

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041817\
 Data File : BF094494.D
 Acq On : 18 Apr 2017 18:53
 Operator : SJ/MA
 Sample : I2741-01MS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WDS-02MS

Manual Integrations
 APPROVED

mohammad
 4/19/2017 1:33:13 PM

Quant Time: Apr 19 02:16:13 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 17 14:59:23 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.77	152	127898	20.00	ng	0.00
21) Naphthalene-d8	7.27	136	494938	20.00	ng	0.00
38) Acenaphthene-d10	9.40	164	226508	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	414381	20.00	ng	0.00
75) Chrysene-d12	14.47	240	285694	20.00	ng	0.00
86) Perylene-d12	16.09	264	259213	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	4.33	112	872360	113.16	ng	0.03
7) Phenol-d6	5.41	99	1110963	122.24	ng	0.01
23) Nitrobenzene-d5	6.42	82	723390	90.25	ng	0.00
41) 2,4,6-Tribromophenol	10.38	330	235065	132.68	ng	0.00
44) 2-Fluorobiphenyl	8.59	172	1266199	82.25	ng	0.00
78) Terphenyl-d14	13.19	244	1056623	98.86	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.14	88	127014	28.33	ng	96
3) Pyridine	2.65	79	333781	34.06	ng	99
4) n-Nitrosodimethylamine	2.60	42	156221	38.53	ng	91
6) Aniline	5.41	93	356440	29.51	ng	# 80
8) 2-Chlorophenol	5.55	128	365012	41.61	ng	95
9) Benzaldehyde	5.27	77	63823	9.23	ng	99
10) Phenol	5.42	94	510711	45.74	ng	98
11) bis(2-Chloroethyl)ether	5.49	93	334940	41.07	ng	98
12) 1,3-Dichlorobenzene	5.71	146	387402	39.86	ng	100
13) 1,4-Dichlorobenzene	5.80	146	392092	40.10	ng	97
14) 1,2-Dichlorobenzene	5.97	146	362526	40.25	ng	96
15) Benzyl Alcohol	5.95	79	273031	40.50	ng	99
16) 2,2'-oxybis(1-Chloropropan	6.11	45	449059	41.99	ng	84
17) 2-Methylphenol	6.10	107	291099	42.13	ng	93
18) Hexachloroethane	6.35	117	131831	39.33	ng	# 84
19) n-Nitroso-di-n-propylamine	6.26	70	254587	42.28	ng	96
20) 3+4-Methylphenols	6.28	107	402138	42.83	ng	# 63
22) Acetophenone	6.25	105	510749	42.44	ng	# 86
24) Nitrobenzene	6.45	77	363270	43.04	ng	92
25) Isophorone	6.74	82	642958	43.27	ng	# 93
26) 2-Nitrophenol	6.82	139	201411	44.42	ng	96
27) 2,4-Dimethylphenol	6.90	122	315048	42.77	ng	98
28) bis(2-Chloroethoxy)methane	7.00	93	419301	43.63	ng	99
29) 2,4-Dichlorophenol	7.12	162	301049	43.93	ng	97
30) 1,2,4-Trichlorobenzene	7.21	180	288969	40.79	ng	99
31) Naphthalene	7.30	128	972034	40.85	ng	100
32) Benzoic acid	7.03	122	53043	13.62	ng	95
33) 4-Chloroaniline	7.37	127	96490	9.75	ng	94
34) Hexachlorobutadiene	7.45	225	151174	42.80	ng	96
35) Caprolactam	7.82	113	99572m	46.25	ng	
36) 4-Chloro-3-methylphenol	8.00	107	303076	42.20	ng	88
37) 2-Methylnaphthalene	8.14	142	704380	43.27	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.34	216	263189	40.80	ng	99
40) Hexachlorocyclopentadiene	8.33	237	214873	82.35	ng	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.50	196	183237	40.45	nq	98
43) 2,4,5-Trichlorophenol	8.55	196	194547	41.82	nq	96
45) 1,1'-Biphenyl	8.71	154	733378	39.63	nq	98
46) 2-Chloronaphthalene	8.72	162	611727	41.57	nq	94
47) 2-Nitroaniline	8.86	65	183157	43.27	nq	87
48) Acenaphthylene	9.23	152	955488	41.65	nq	99
49) Dimethylphthalate	9.11	163	967551	57.32	nq	99
50) 2,6-Dinitrotoluene	9.17	165	166652	43.98	nq	# 88
51) Acenaphthene	9.44	154	574343	41.80	nq	100
52) 3-Nitroaniline	9.37	138	114916	26.21	nq	93
53) 2,4-Dinitrophenol	9.51	184	121259	60.49	nq	# 70
54) Dibenzofuran	9.65	168	851735	42.65	nq	100
55) 4-Nitrophenol	9.63	139	256416	82.80	nq	# 74
56) 2,4-Dinitrotoluene	9.67	165	209794	45.13	nq	# 91
57) Fluorene	10.08	166	656359	42.21	nq	99
58) 2,3,4,6-Tetrachlorophenol	9.82	232	146825	44.04	nq	97
59) Diethylphthalate	9.97	149	699378	43.91	nq	99
60) 4-Chlorophenyl-phenylether	10.08	204	290167	44.84	nq	92
61) 4-Nitroaniline	10.12	138	173456	38.92	nq	96
62) Azobenzene	10.28	77	673569	43.56	nq	97
64) 4,6-Dinitro-2-methylphenol	10.17	198	103014	37.94	nq	# 74
65) n-Nitrosodiphenylamine	10.24	169	603717	41.89	nq	97
66) 4-Bromophenyl-phenylether	10.68	248	169359	41.16	nq	97
67) Hexachlorobenzene	10.75	284	173174	41.76	nq	# 90
68) Atrazine	10.91	200	179908	41.73	nq	98
69) Pentachlorophenol	11.01	266	154195	93.65	nq	98
70) Phenanthrene	11.25	178	970404	41.59	nq	98
71) Anthracene	11.32	178	995882	41.26	nq	98
72) Carbazole	11.52	167	924812	40.82	nq	98
73) Di-n-butylphthalate	11.97	149	1125750	45.13	nq	99
74) Fluoranthene	12.71	202	975513	40.34	nq	99
76) Benzidine	12.88	184	345151	29.84	nq	# 94
77) Pyrene	12.98	202	956847	47.94	nq	99
79) Butylbenzylphthalate	13.81	149	442044	50.53	nq	# 86
80) Benzo(a)anthracene	14.45	228	708689	42.68	nq	98
81) 3,3'-Dichlorobenzidine	14.43	252	147083	25.02	nq	# 97
82) Chrysene	14.50	228	649812	42.82	nq	99
83) Bis(2-ethylhexyl)phthalate	14.52	149	591293	50.34	nq	# 98
84) Di-n-octyl phthalate	15.28	149	935890	47.50	nq	97
85) Indeno(1,2,3-cd)pyrene	17.37	276	736448	51.00	nq	100
87) Benzo(b)fluoranthene	15.69	252	689988	43.51	nq	98
88) Benzo(k)fluoranthene	15.72	252	580851	38.71	nq	95
89) Benzo(a)pyrene	16.04	252	620275	42.05	nq	100
90) Dibenzo(a,h)anthracene	17.39	278	601590	49.11	nq	99
91) Benzo(g,h,i)perylene	17.75	276	621038	49.80	nq	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

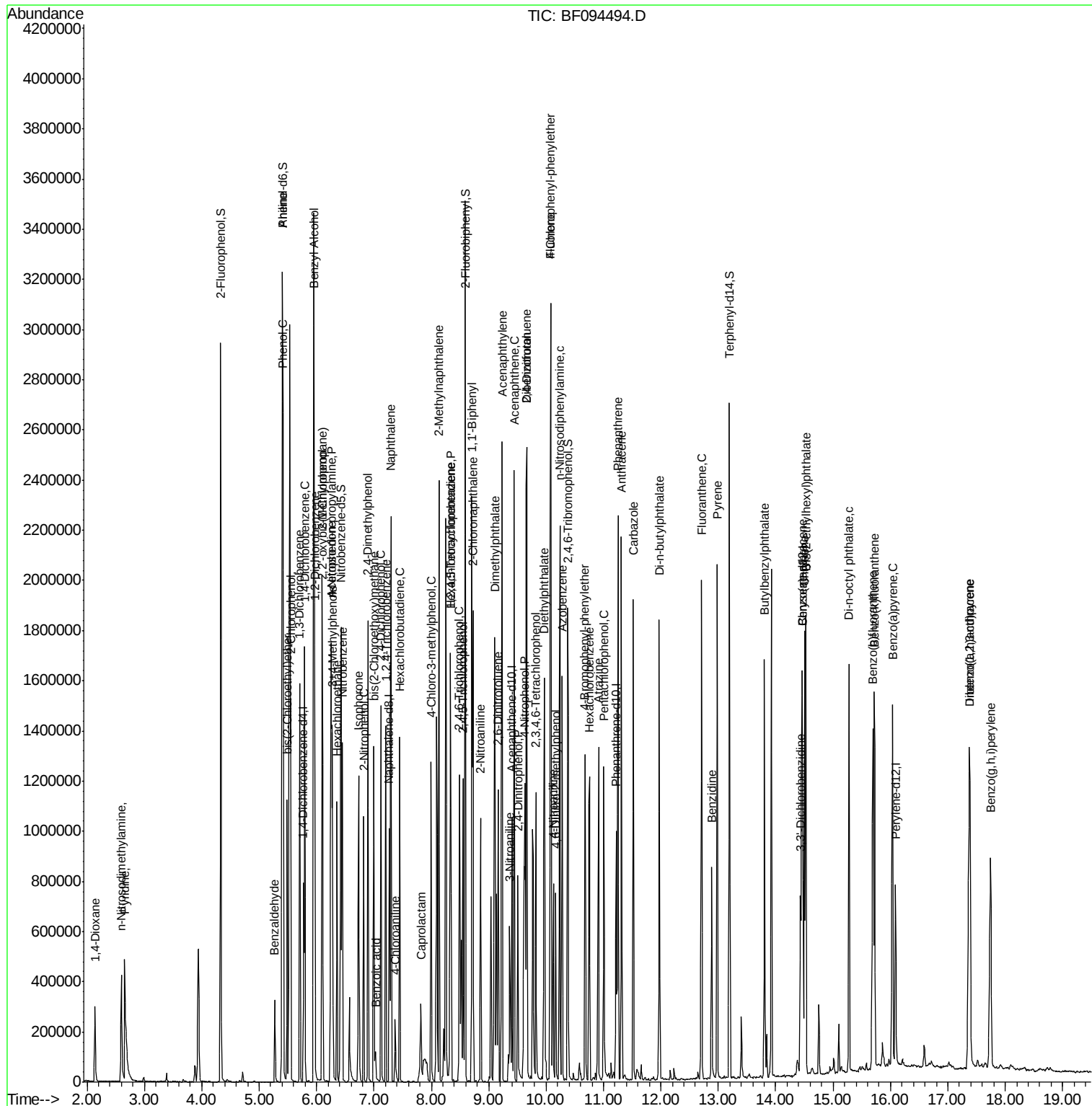
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Data Path : Z:\HPCHEM1\BNA F\DATA\BF041817\  
Data File : BF094494.D  
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Operator  : SJ/MA  
Sample    : I2741-01MS  
Misc      :  
ALS Vial  : 6      Sample Multiplier: 1
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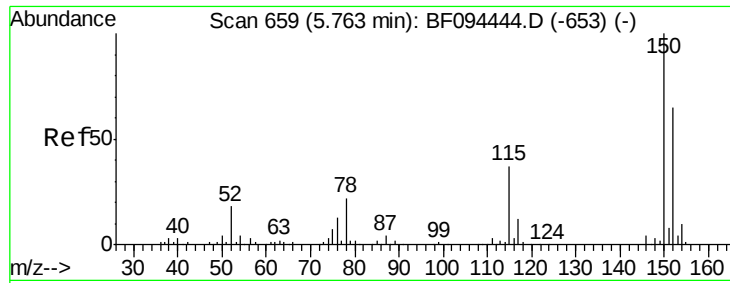
Instrument :
BNA_F
ClientSampleId :
WDS-02MS

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#1

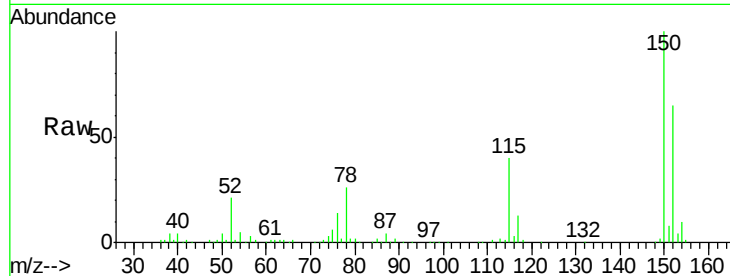
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.77 min Scan# 652
Delta R.T. 0.01 min
Lab File: BF094494.D
Acq: 18 Apr 2017 18:53

Instrument :
BNA_F
ClientSampleId :
WDS-02MS

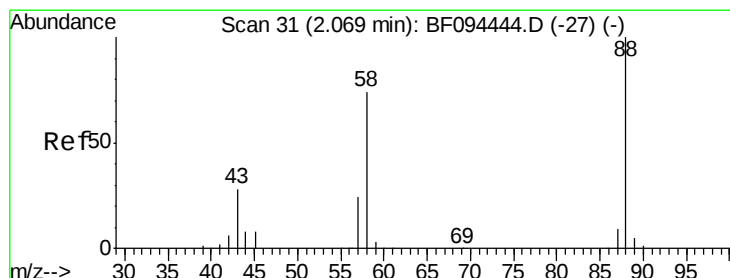
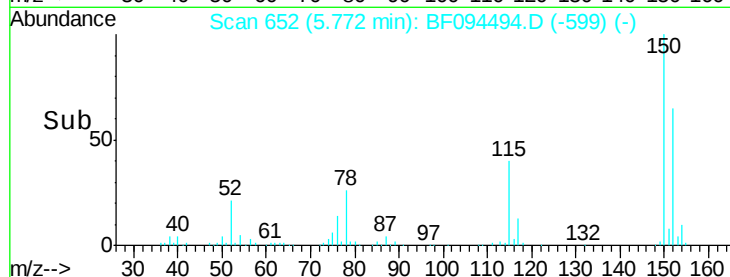
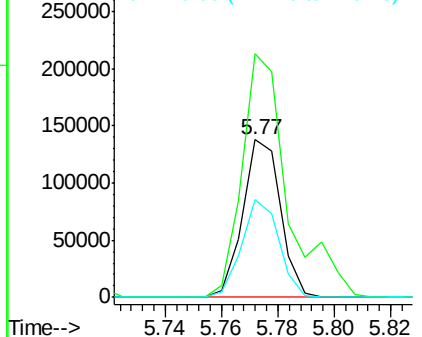
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.4	126.2	189.2
115	62.3	52.2	78.2

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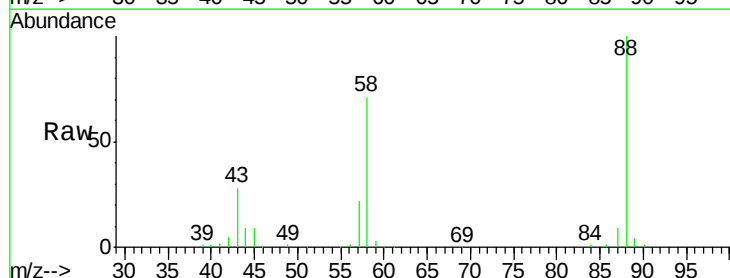
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



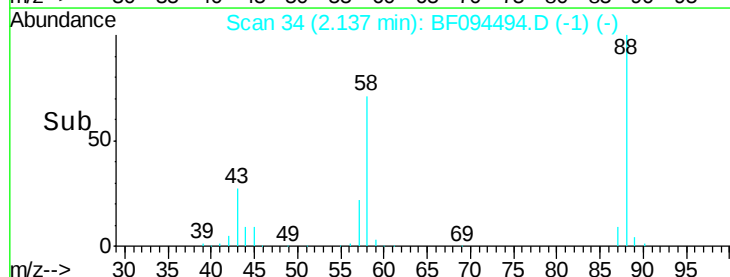
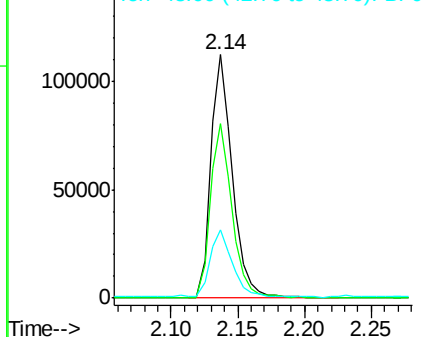
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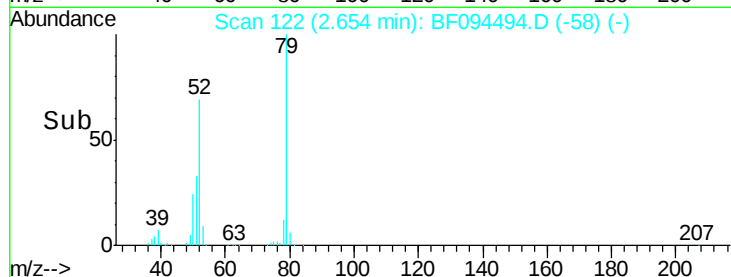
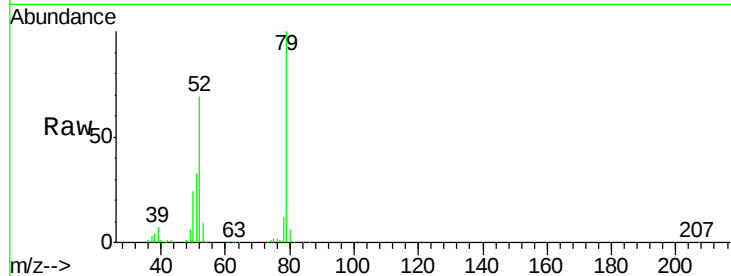
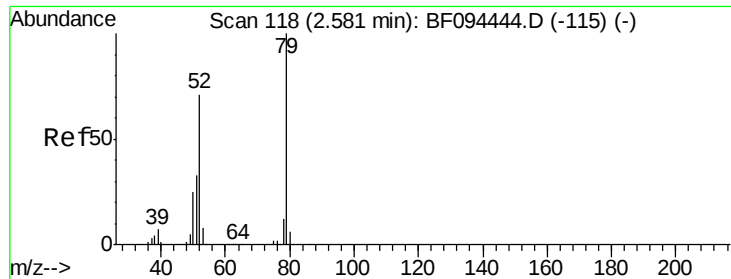
1,4-Dioxane
Concen: 28.33 ng
RT: 2.14 min Scan# 34
Delta R.T. 0.07 min
Lab File: BF094494.D
Acq: 18 Apr 2017 18:53

Tgt Ion	Ratio	Lower	Upper
88	100		
58	72.2	61.4	92.0
43	29.5	23.4	35.0



Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0





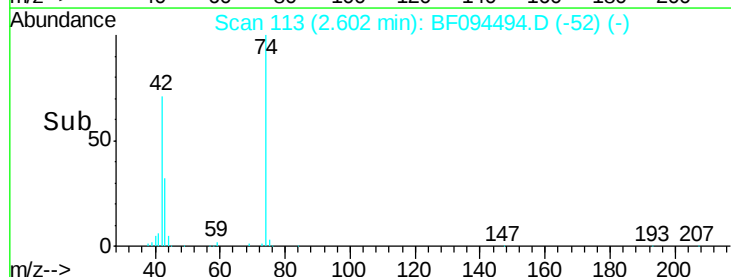
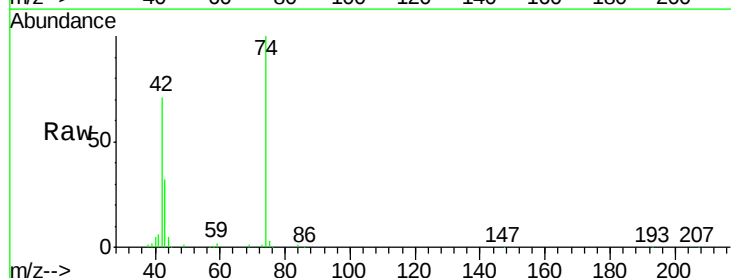
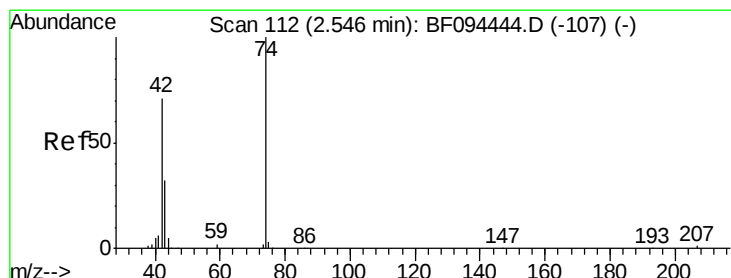
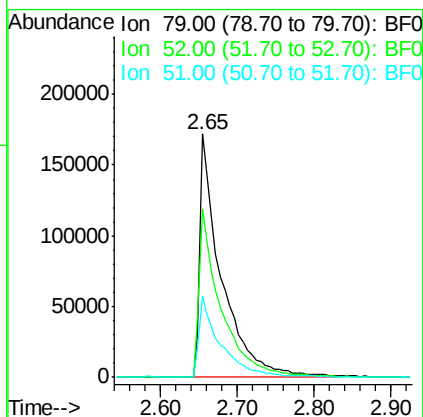
#3
 Pvridine
 Concen: 34.06 ng
 RT: 2.65 min Scan# 122
 Delta R.T. 0.07 min
 Lab File: BF094494.D
 Acq: 18 Apr 2017 18:53

Tot Ion:	79	Resp:	333781
Ion Ratio	Lower	Upper	
79	100		
52	69.3	54.8	82.2
51	33.1	27.0	40.4

Instrument :
 BNA_F
 ClientSampleId :
 WDS-02MS

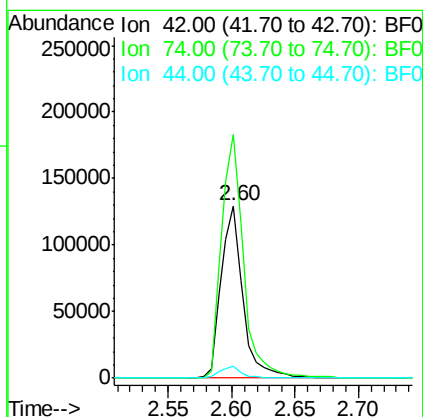
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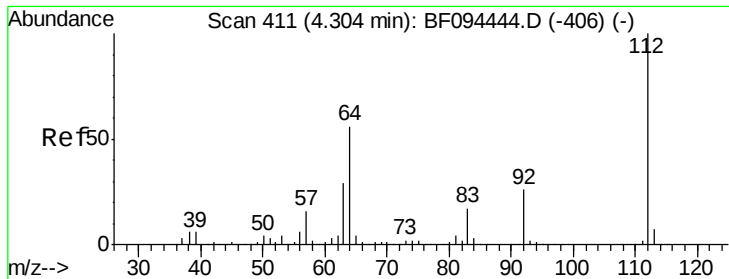
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#4
 n-Nitrosodimethylamine
 Concen: 38.53 ng
 RT: 2.60 min Scan# 113
 Delta R.T. 0.06 min
 Lab File: BF094494.D
 Acq: 18 Apr 2017 18:53

Tgt Ion:	42	Resp:	156221
Ion Ratio	Lower	Upper	
42	100		
74	141.4	103.9	155.9
44	7.3	5.7	8.5





#5

2-Fluorophenol

Concen: 113.16 ng

RT: 4.33 min Scan# 407

Delta R.T. 0.03 min

Lab File: BF094494.D

Acq: 18 Apr 2017 18:53

Instrument :

BNA_F

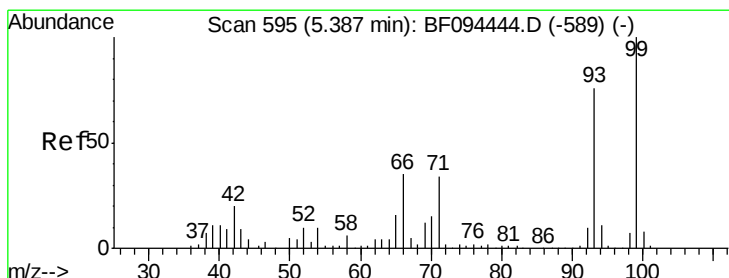
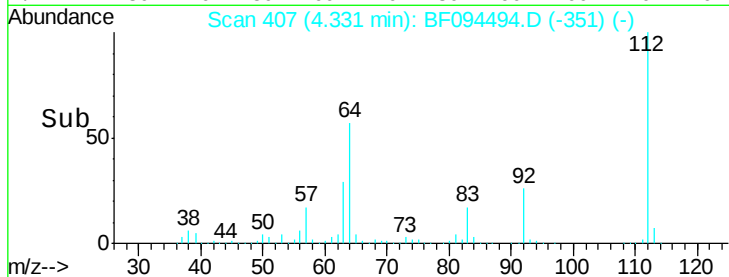
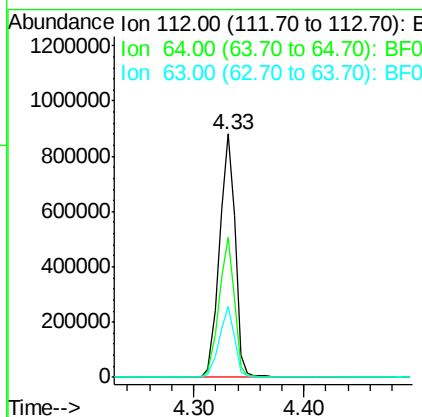
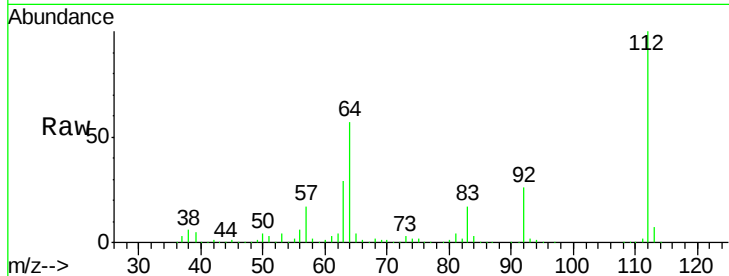
ClientSampleId :

WDS-02MS

Tot Ion:	112	Resp:	872360
Ion Ratio	Lower	Upper	
112	100		
64	57.3	46.0	69.0
63	29.2	23.4	35.0

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#6

Aniline

Concen: 29.51 ng

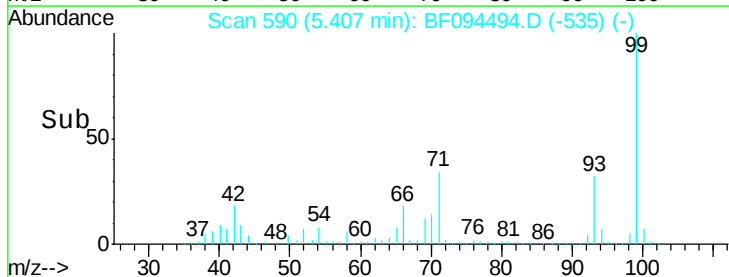
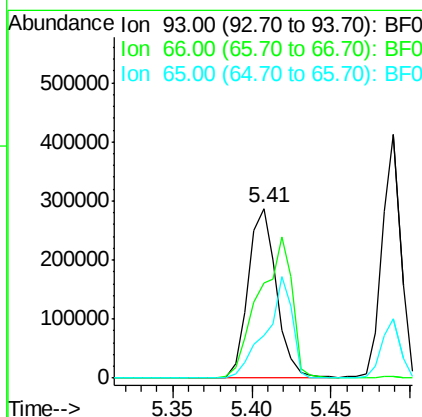
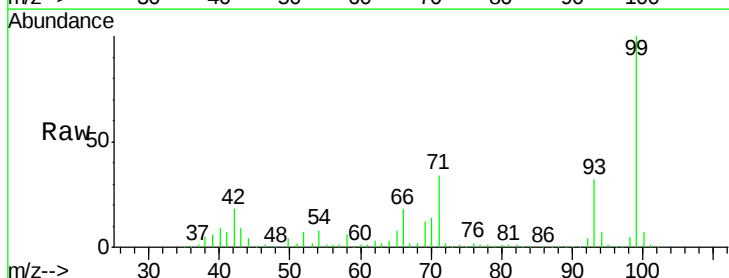
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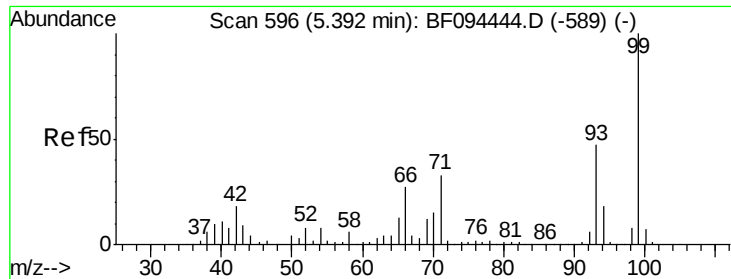
Delta R.T. 0.02 min

Lab File: BF094494.D

Acq: 18 Apr 2017 18:53

Tgt Ion:	93	Resp:	356440
Ion Ratio	Lower	Upper	
93	100		
66	56.2	32.9	49.3#
65	25.0	16.0	24.0#





#7

Phenol-d6

Concen: 122.24 ng

RT: 5.41 min Scan# 590

Delta R.T. 0.01 min

Lab File: BF094494.D

Acq: 18 Apr 2017 18:53

Instrument :

BNA_F

ClientSampleId :

WDS-02MS

Tot Ion: 99 Resp: 1110963

Ion Ratio Lower Upper

99 100

42 18.1 13.5 20.3

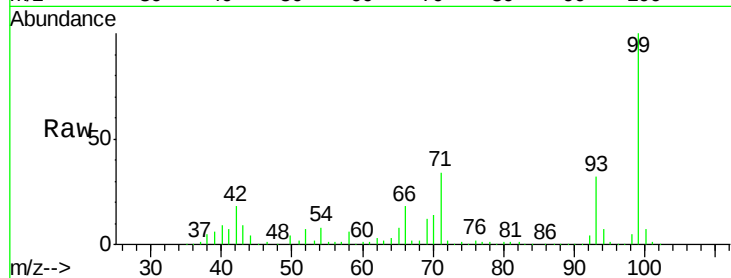
71 33.6 24.5 36.7

Manual Integrations

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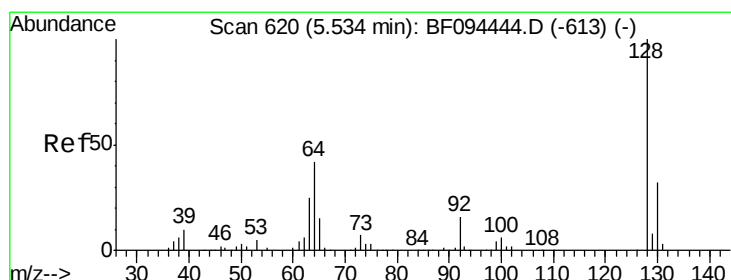
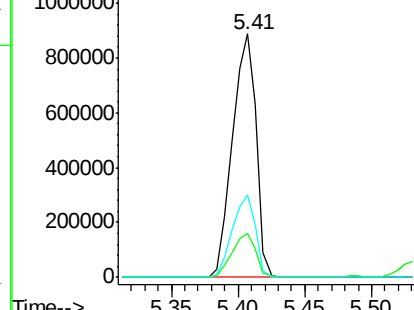
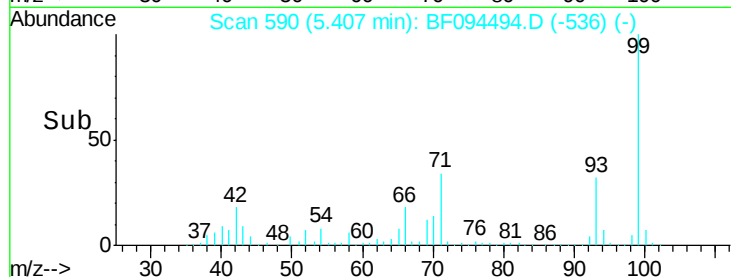
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 41.61 ng

RT: 5.55 min Scan# 614

Delta R.T. 0.01 min

Lab File: BF094494.D

Acq: 18 Apr 2017 18:53

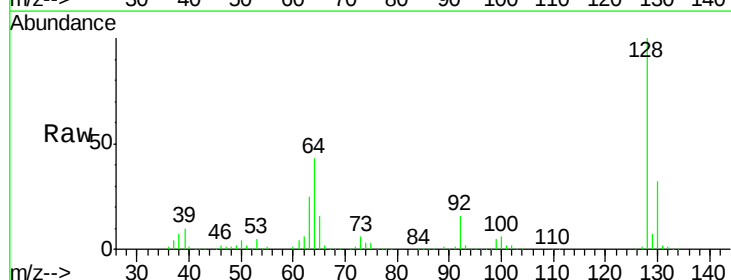
Tgt Ion:128 Resp: 365012

Ion Ratio Lower Upper

128 100

130 32.2 12.9 52.9

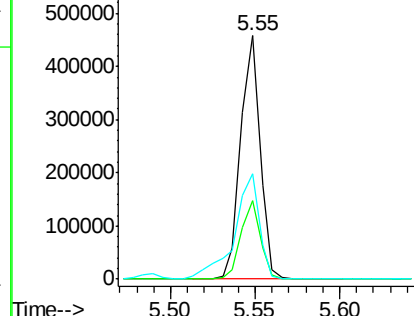
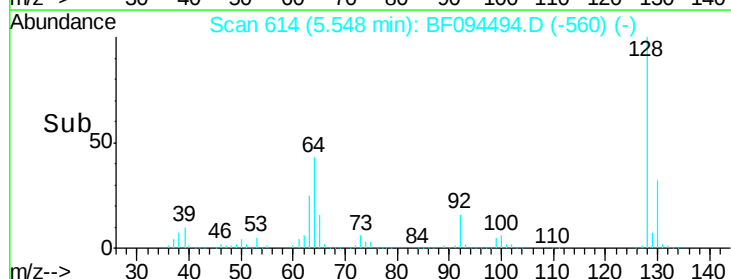
64 43.4 28.4 68.4

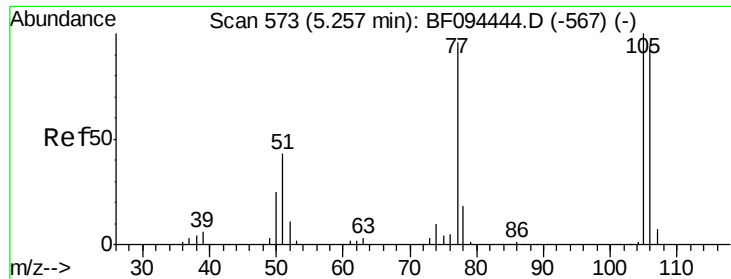


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





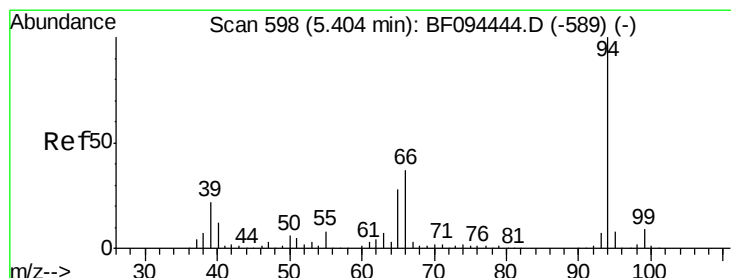
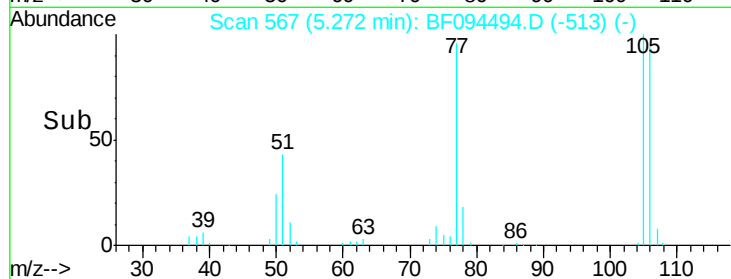
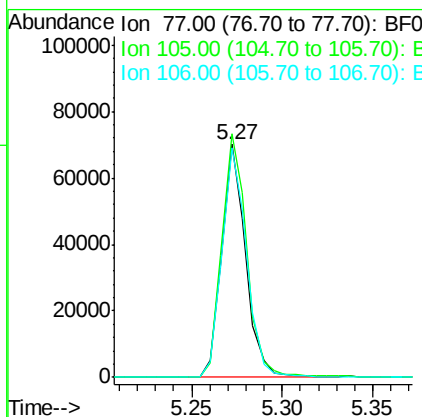
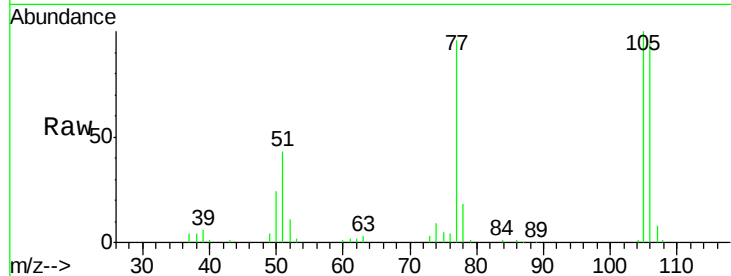
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Benzaldehyde
Concen: 9.23 ng
RT: 5.27 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF094494.D
Acq: 18 Apr 2017 18:53

Instrument :
BNA_F
ClientSampleId :
WDS-02MS

Tot Ion	Ratio	Lower	Upper
77	100		
105	104.4	83.8	123.8
106	98.3	79.1	119.1

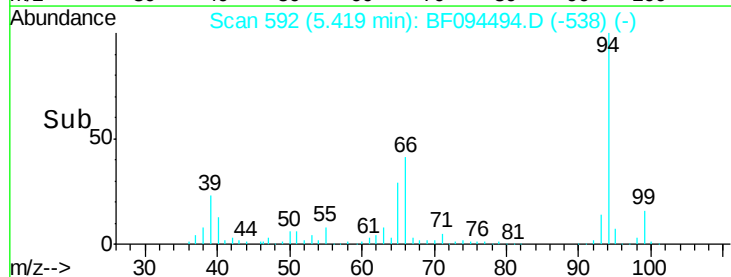
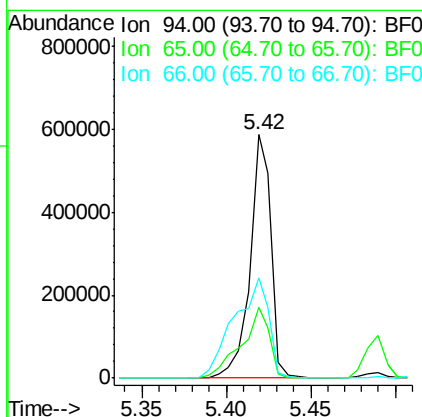
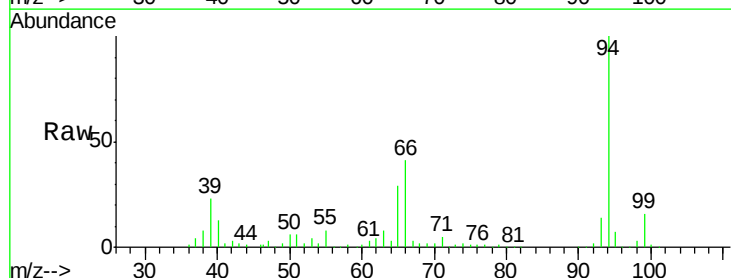
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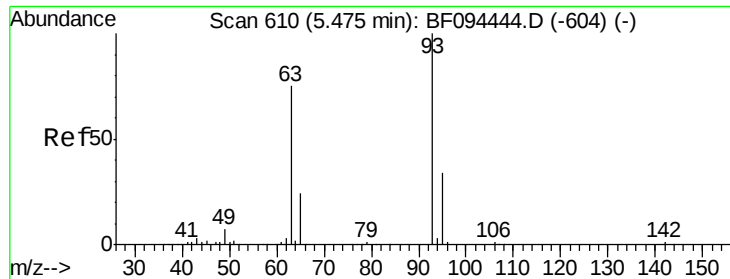
mohammad
4/19/2017 1:33:13 PM



#10
Phenol
Concen: 45.74 ng
RT: 5.42 min Scan# 592
Delta R.T. 0.01 min
Lab File: BF094494.D
Acq: 18 Apr 2017 18:53

Tgt Ion	Ratio	Lower	Upper
94	100		
65	29.3	9.9	49.9
66	40.9	23.1	63.1





#11

bis(2-Chloroethyl)ether

Concen: 41.07 ng

RT: 5.49 min Scan# 604

Delta R.T. 0.01 min

Lab File: BF094494.D

Acq: 18 Apr 2017 18:53

Instrument :

BNA_F

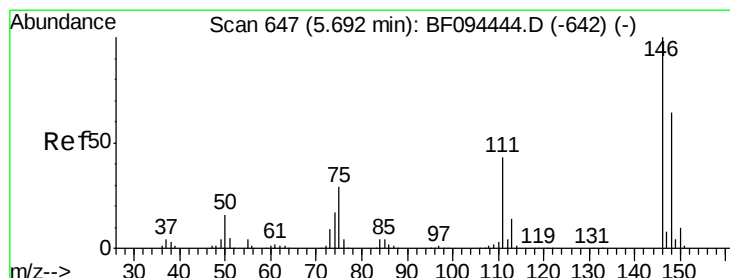
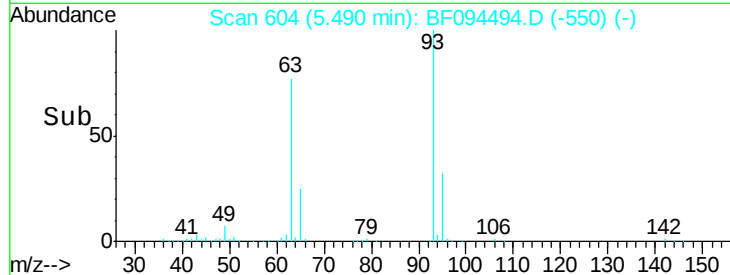
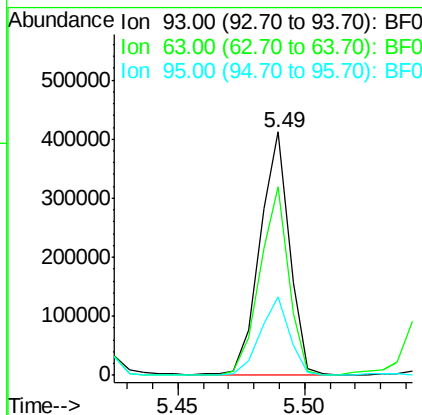
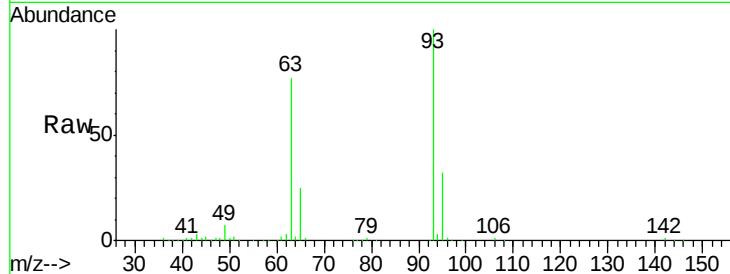
ClientSampleId :

WDS-02MS

Tot Ion:	93	Resp:	334940
Ion	Ratio	Lower	Upper
93	100		
63	77.4	59.2	99.2
95	32.3	12.8	52.8

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#12

1,3-Dichlorobenzene

Concen: 39.86 ng

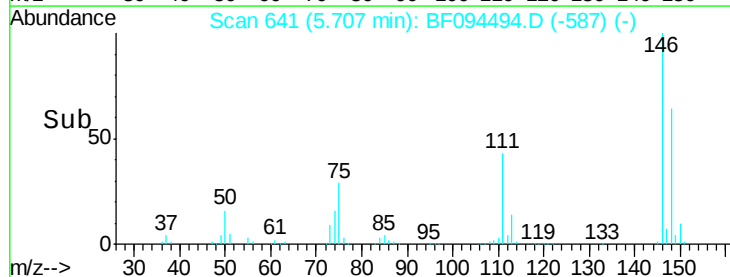
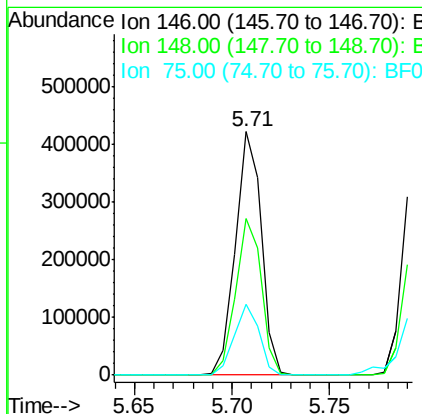
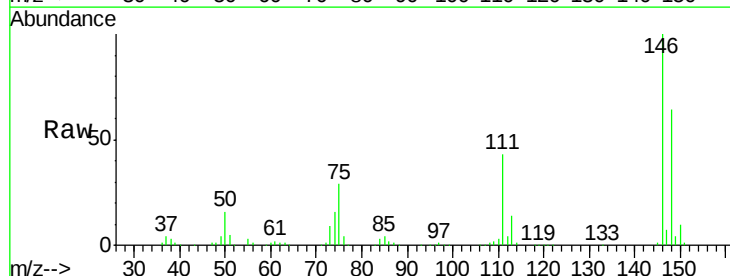
RT: 5.71 min Scan# 641

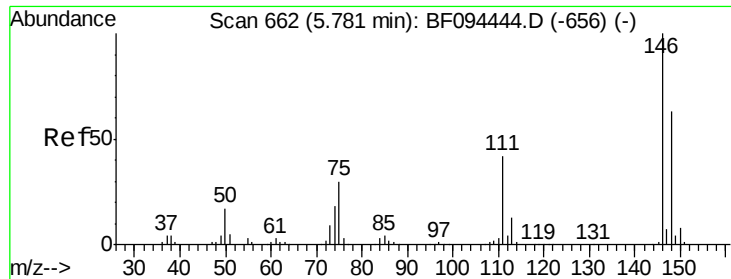
Delta R.T. 0.01 min

Lab File: BF094494.D

Acq: 18 Apr 2017 18:53

Tgt Ion:	146	Resp:	387402
Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.8	77.6
75	29.0	23.1	34.7





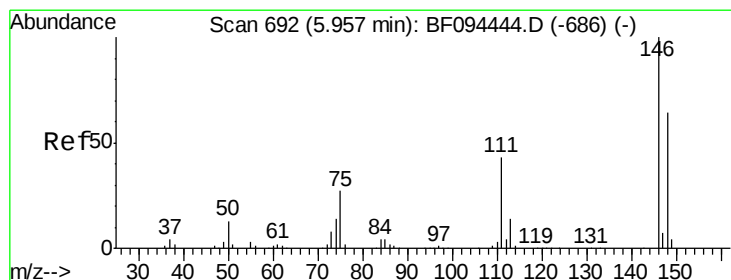
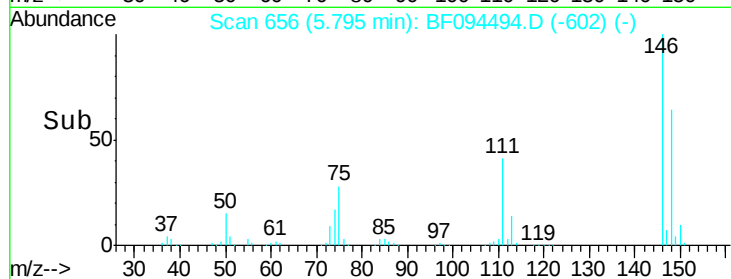
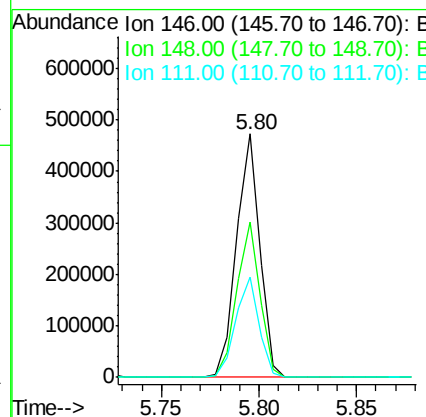
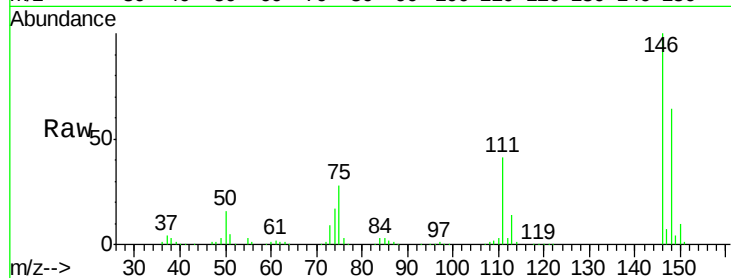
#13
 1,4-Dichlorobenzene
 Concen: 40.10 ng
 RT: 5.80 min Scan# 656
 Delta R.T. 0.01 min
 Lab File: BF094494.D
 Acq: 18 Apr 2017 18:53

Instrument :
 BNA_F
 ClientSampleId :
 WDS-02MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
146	100		392092		
148	63.6	52.2	78.2		
111	41.3	30.3	45.5		

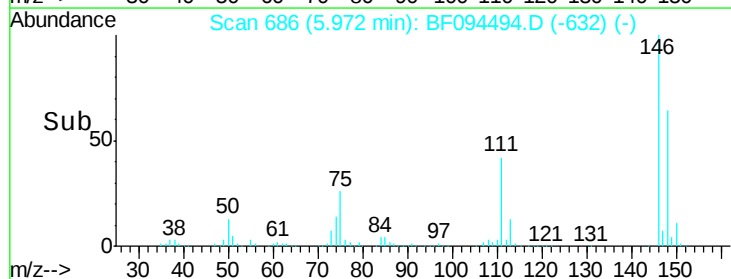
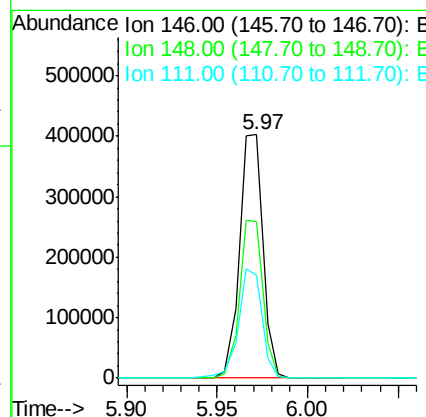
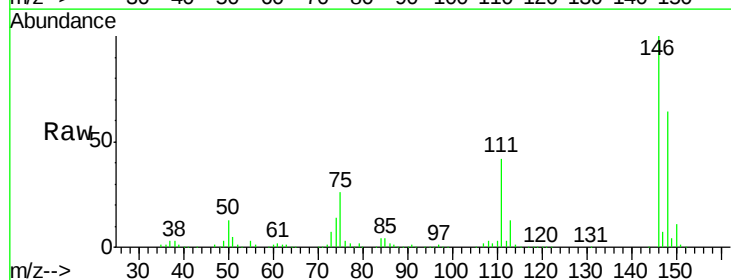
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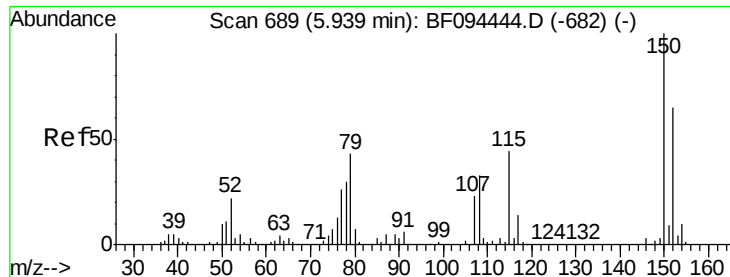
mohammad
 4/19/2017 1:33:13 PM



#14
 1,2-Dichlorobenzene
 Concen: 40.25 ng
 RT: 5.97 min Scan# 686
 Delta R.T. 0.01 min
 Lab File: BF094494.D
 Acq: 18 Apr 2017 18:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
146	100		362526		
148	64.1	50.4	75.6		
111	42.3	38.2	57.4		





#15

Benzyl Alcohol

Concen: 40.50 ng

RT: 5.95 min Scan# 683

Delta R.T. 0.01 min

Lab File: BF094494.D

Acq: 18 Apr 2017 18:53

Instrument :

BNA_F

ClientSampleId :

WDS-02MS

Tot Ion: 79 Resp: 273031

Ion Ratio Lower Upper

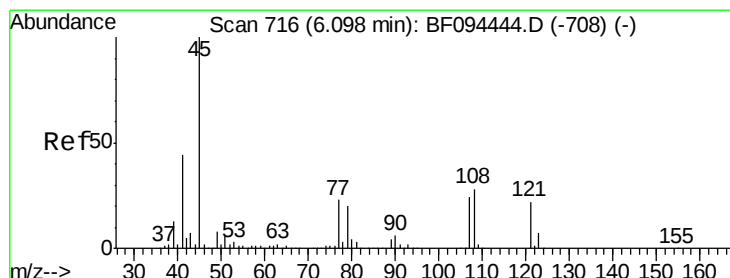
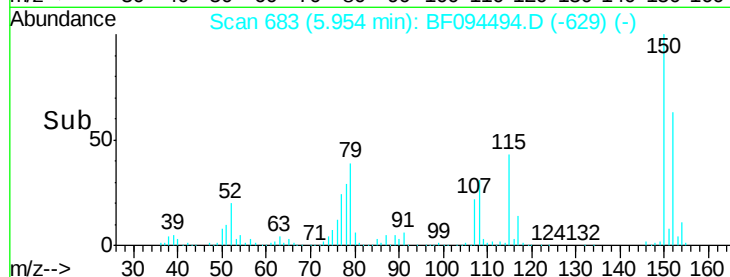
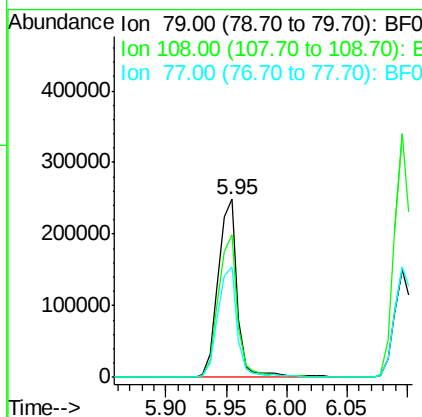
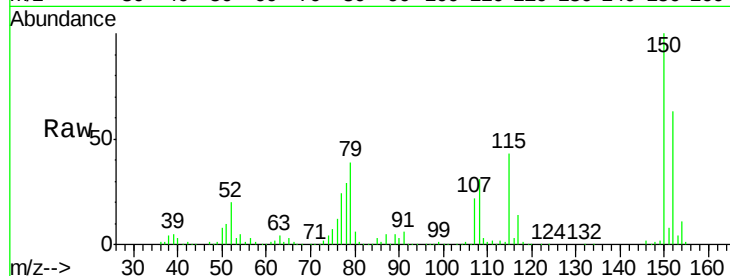
79 100

108 79.9 63.4 95.0

77 62.0 49.2 73.8

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 41.99 ng

RT: 6.11 min Scan# 709

Delta R.T. 0.01 min

Lab File: BF094494.D

Acq: 18 Apr 2017 18:53

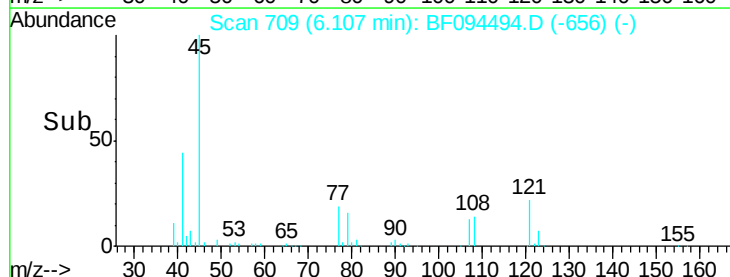
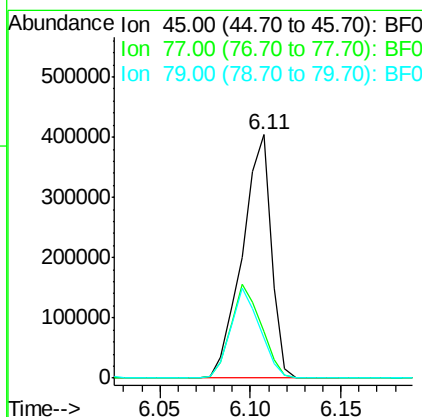
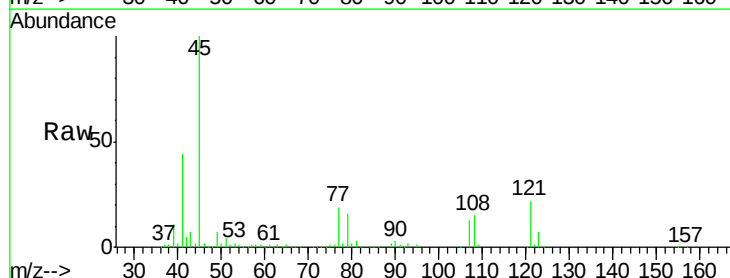
Tgt Ion: 45 Resp: 449059

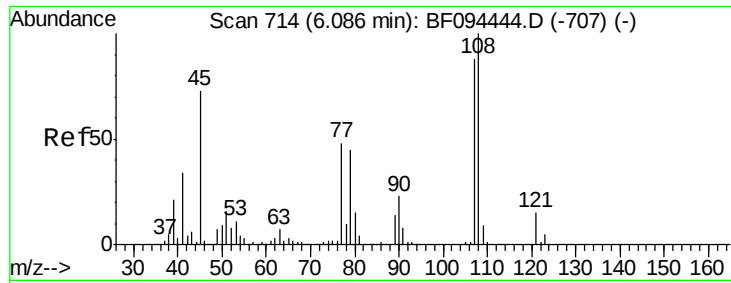
Ion Ratio Lower Upper

45 100

77 19.3 0.0 33.2

79 16.2 0.0 30.0





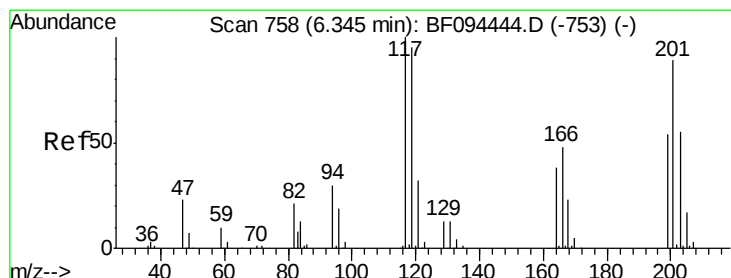
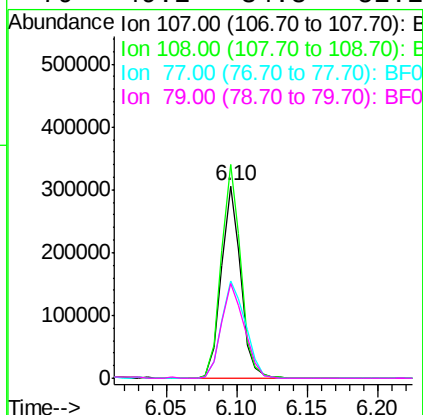
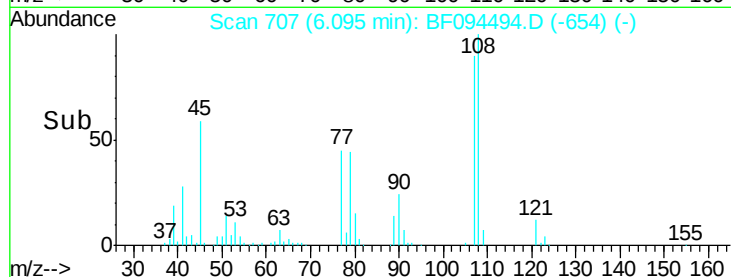
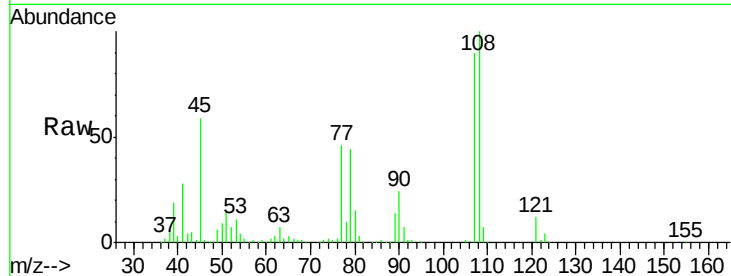
#17
2-Methylphenol
Concen: 42.13 ng
RT: 6.10 min Scan# 707
Delta R.T. 0.01 min
Lab File: BF094494.D
Acq: 18 Apr 2017 18:53

Instrument :
BNA_F
ClientSampleId :
WDS-02MS

Tot Ion	Ratio	Resp	Lower	Upper
107	100	291099		
108	111.2	93.4	140.0	
77	50.7	35.8	53.6	
79	49.2	34.8	52.2	

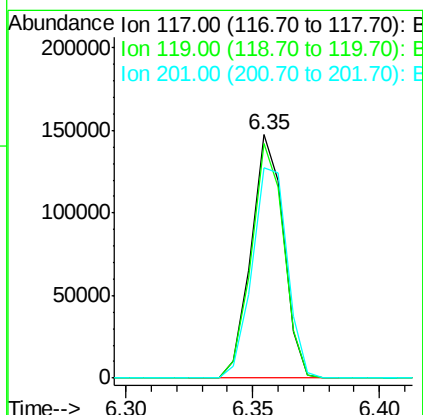
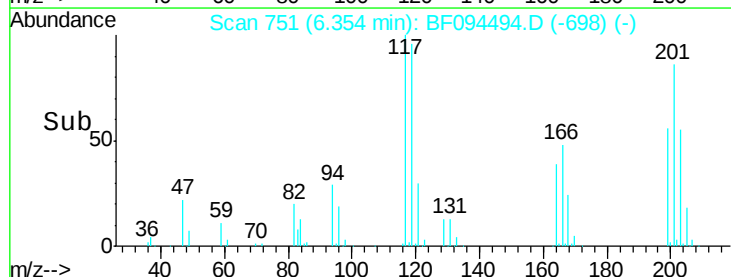
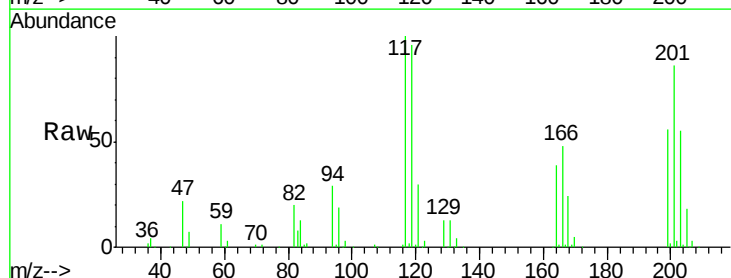
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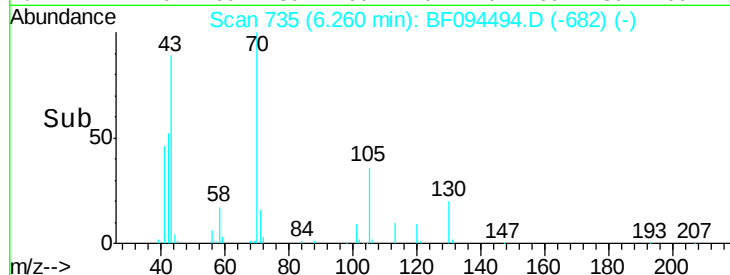
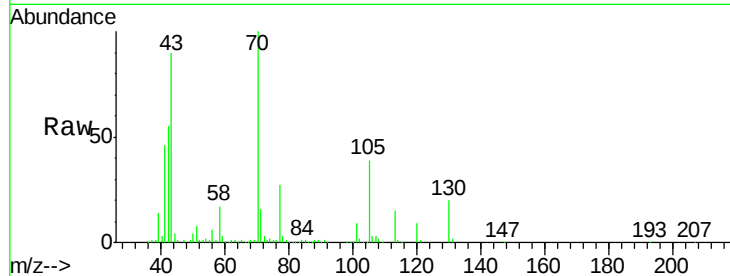
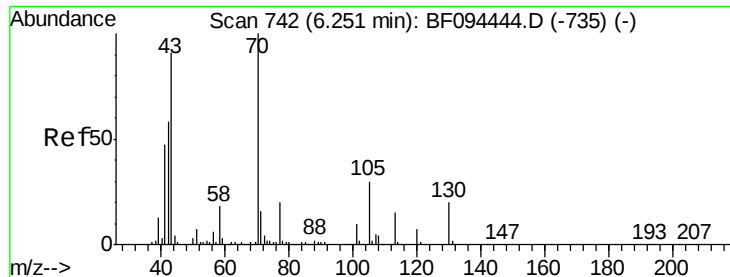
mohammad
4/19/2017 1:33:13 PM



#18
Hexachloroethane
Concen: 39.33 ng
RT: 6.35 min Scan# 751
Delta R.T. 0.01 min
Lab File: BF094494.D
Acq: 18 Apr 2017 18:53

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	131831		
119	96.4	77.4	116.0	
201	86.4	94.6	141.8#	





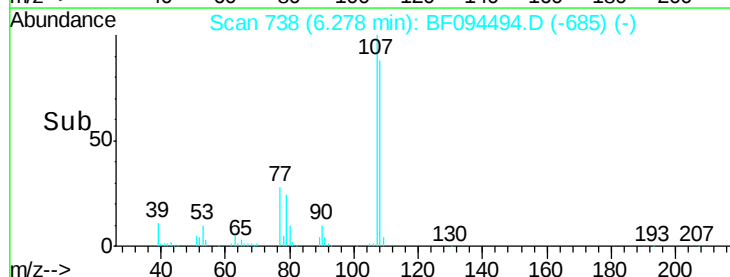
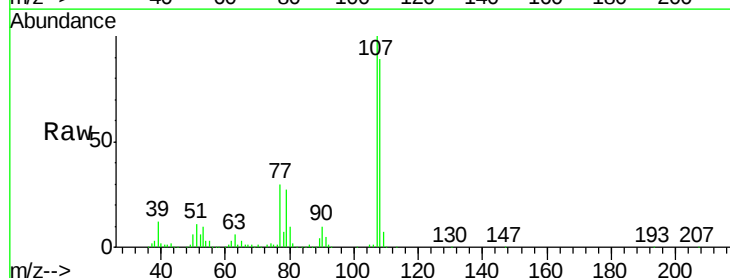
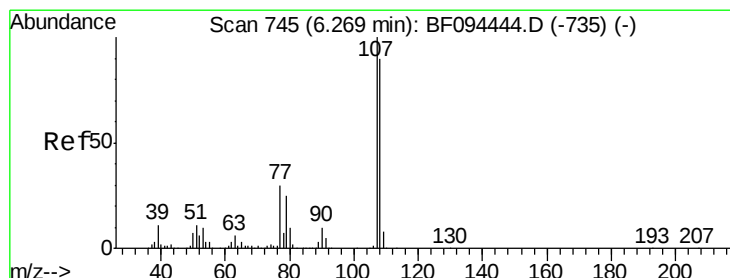
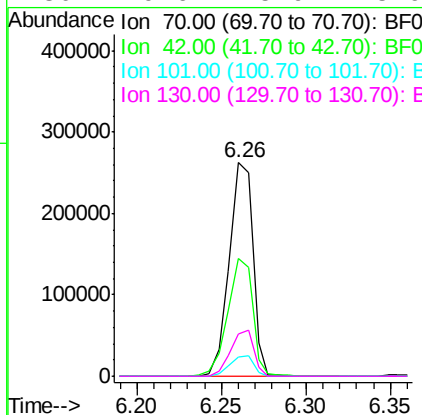
#19
n-Nitroso-di-n-propylamine
Concen: 42.28 ng
RT: 6.26 min Scan# 735
Delta R.T. 0.01 min
Lab File: BF094494.D
Acq: 18 Apr 2017 18:53

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100		254587		
42	55.1	47.2	70.8		
101	9.1	7.2	10.8		
130	19.6	15.9	23.9		

Instrument :
BNA_F
ClientSampleId :
WDS-02MS

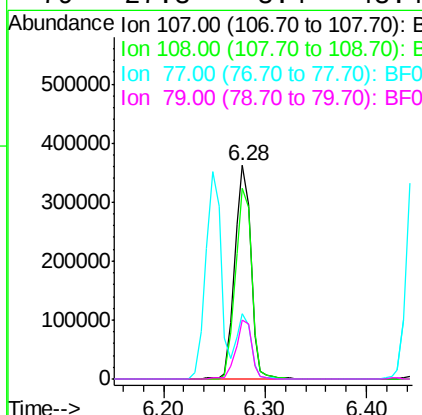
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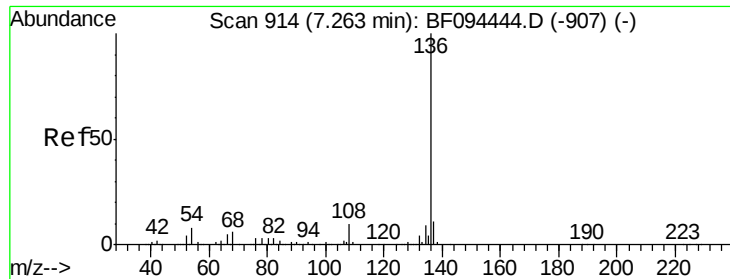
mohammad
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#20
3+4-Methylphenols
Concen: 42.83 ng
RT: 6.28 min Scan# 738
Delta R.T. 0.01 min
Lab File: BF094494.D
Acq: 18 Apr 2017 18:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		402138		
108	89.2	71.0	111.0		
77	30.4	90.5	130.5#		
79	27.3	8.4	48.4		





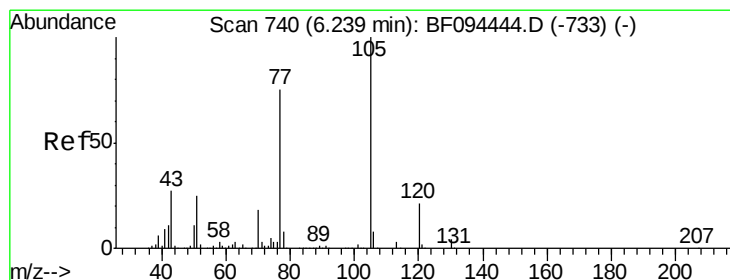
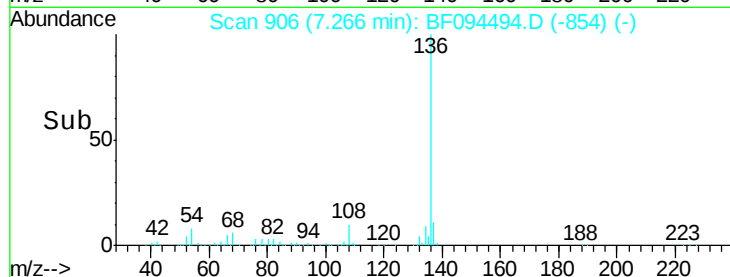
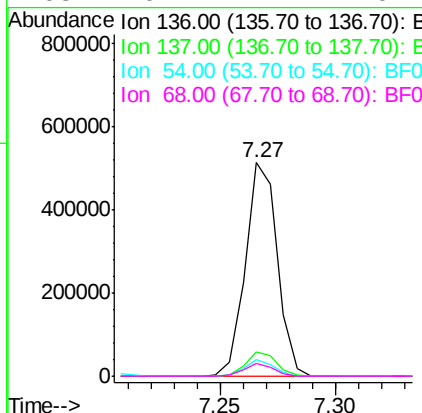
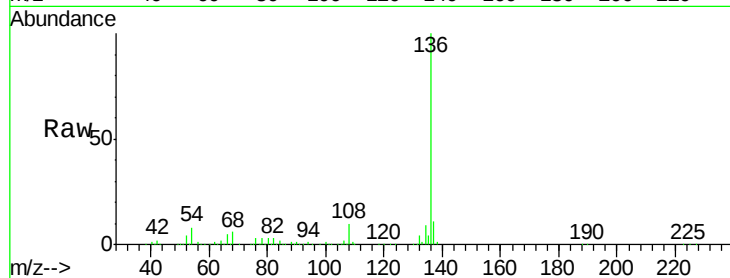
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.27 min Scan# 906
Delta R.T. 0.00 min
Lab File: BF094494.D
Acq: 18 Apr 2017 18:53

Instrument :
BNA_F
ClientSampleId :
WDS-02MS

Tot Ion	Ratio	Resp	Lower	Upper
136	100	494938		
137	11.4	8.5	12.7	
54	7.6	4.9	7.3#	
68	6.1	4.1	6.1	

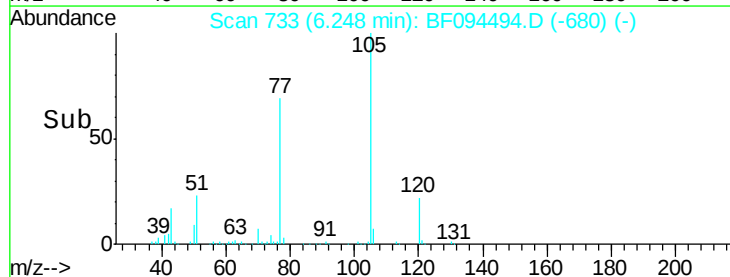
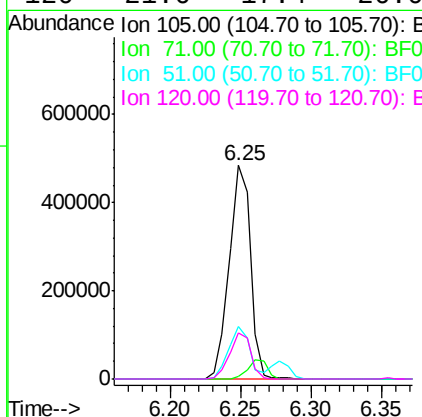
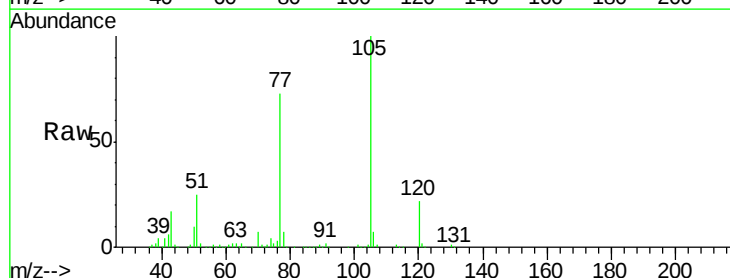
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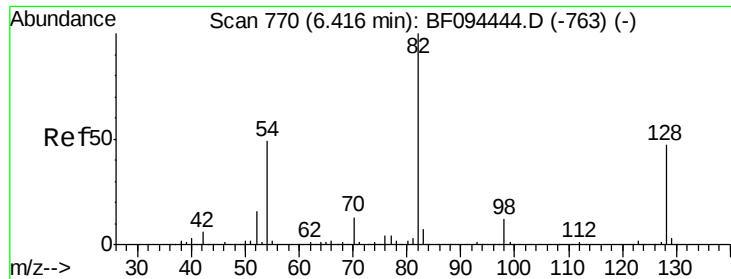
mohammad
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#22
Acetophenone
Concen: 42.44 ng
RT: 6.25 min Scan# 733
Delta R.T. 0.01 min
Lab File: BF094494.D
Acq: 18 Apr 2017 18:53

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	510749		
71	1.4	2.8	4.2#	
51	24.7	30.7	46.1#	
120	21.6	17.4	26.0	





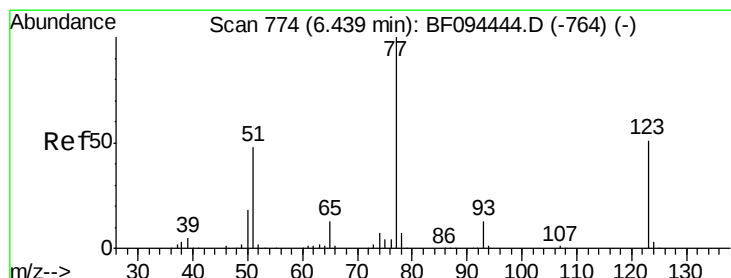
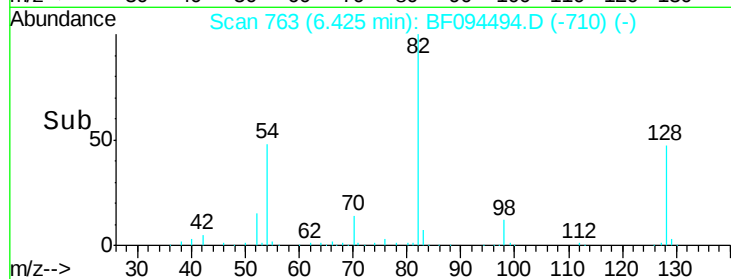
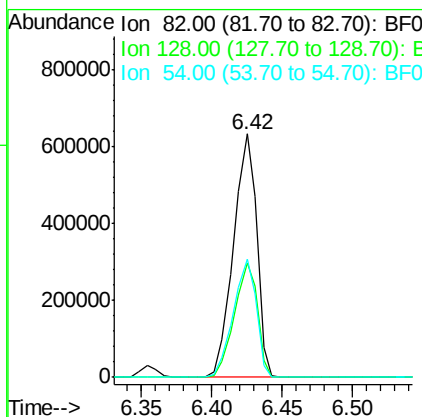
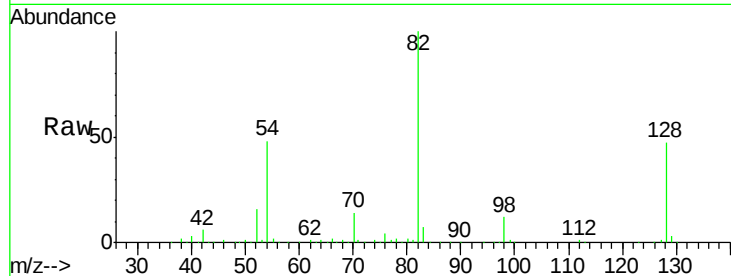
#23
Nitrobenzene-d5
Concen: 90.25 ng
RT: 6.42 min Scan# 763
Delta R.T. 0.01 min
Lab File: BF094494.D
Acq: 18 Apr 2017 18:53

Instrument :
BNA_F
ClientSampleId :
WDS-02MS

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.8	34.0	51.0
54	48.5	42.2	63.2

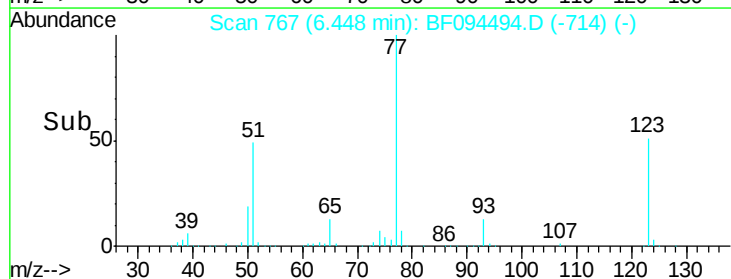
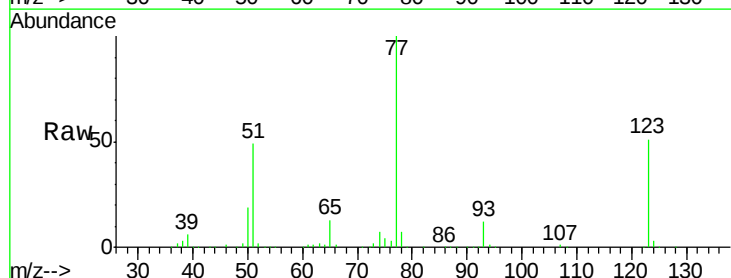
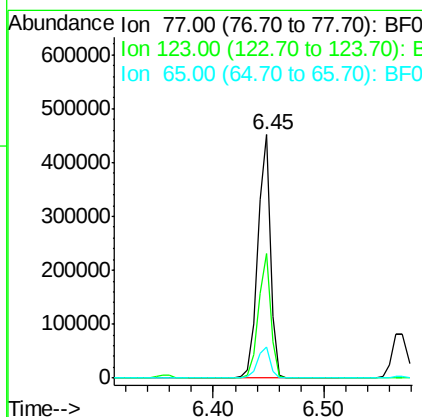
Manual Integrations
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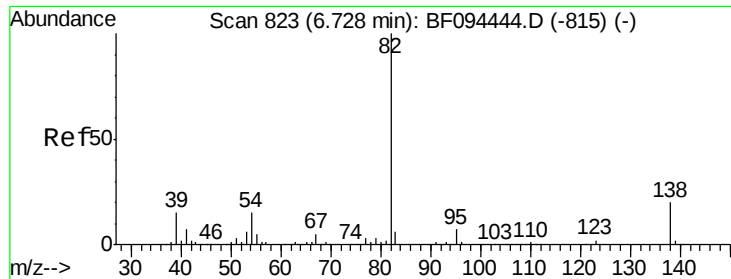
mohammad
4/19/2017 1:33:13 PM



#24
Nitrobenzene
Concen: 43.04 ng
RT: 6.45 min Scan# 767
Delta R.T. 0.01 min
Lab File: BF094494.D
Acq: 18 Apr 2017 18:53

Tgt Ion	Ratio	Lower	Upper
77	100		
123	51.3	35.8	53.8
65	12.9	10.6	15.8





#25

Isophorone

Concen: 43.27 ng

RT: 6.74 min Scan# 816

Delta R.T. 0.01 min

Lab File: BF094494.D

Acq: 18 Apr 2017 18:53

Instrument :

BNA_F

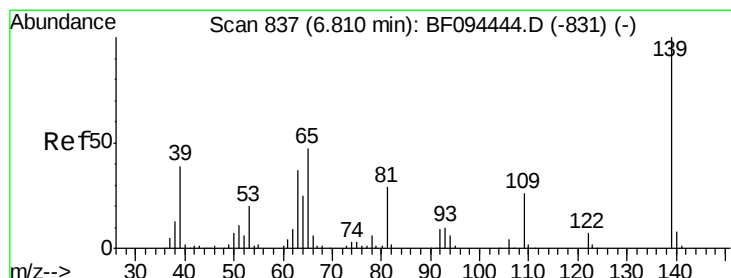
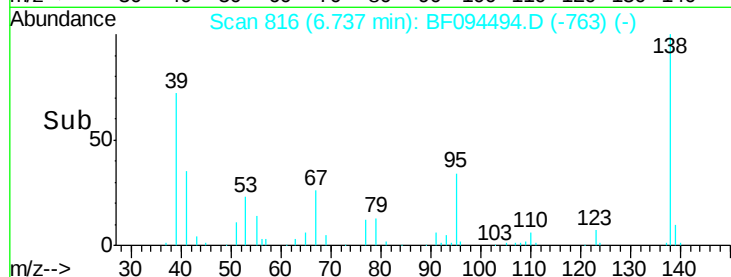
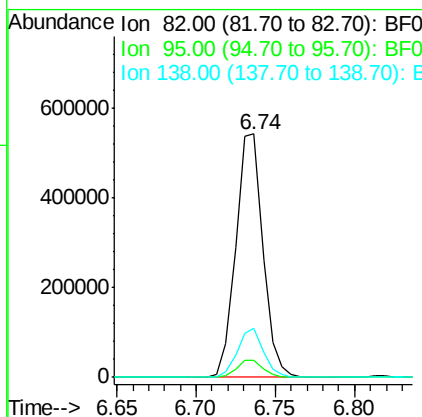
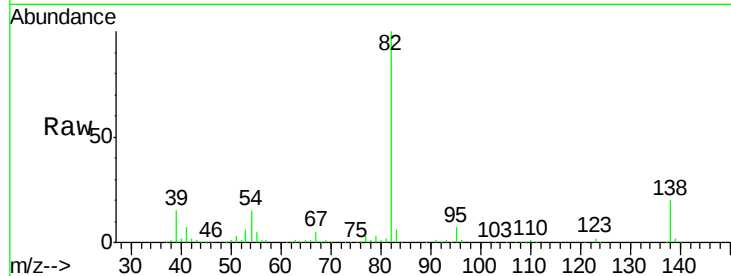
ClientSampleId :

WDS-02MS

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
95	6.8	5.3	7.9	
138	20.3	13.1	19.7	

Manual Integrations
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#26

2-Nitrophenol

Concen: 44.42 ng

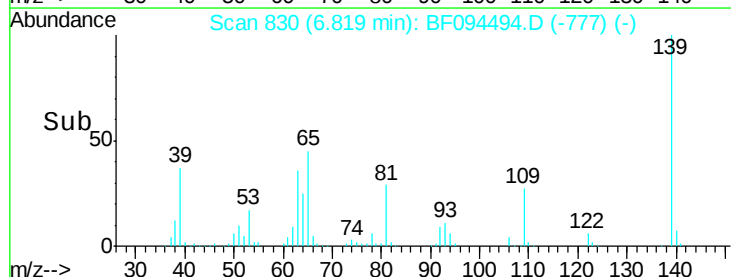
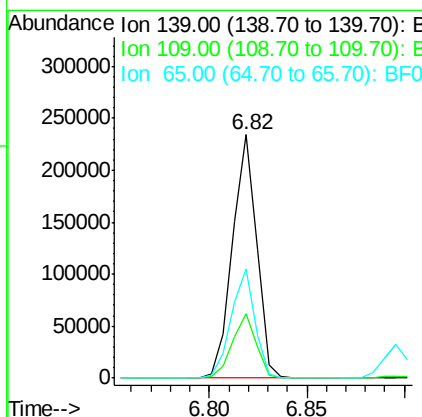
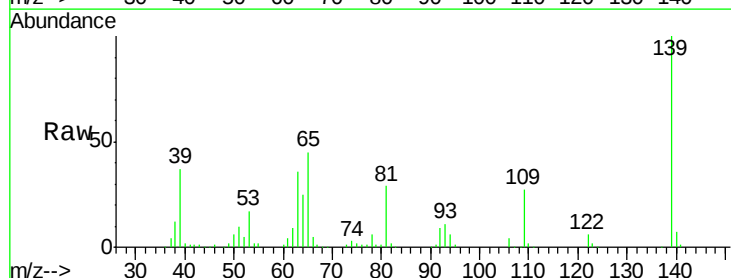
RT: 6.82 min Scan# 830

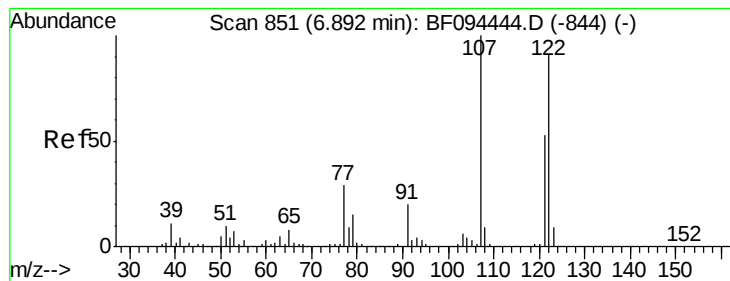
Delta R.T. 0.01 min

Lab File: BF094494.D

Acq: 18 Apr 2017 18:53

Tgt Ion	Ratio	Resp	Lower	Upper
139	100			
109	26.6	21.0	31.6	
65	44.8	33.0	49.6	





#27

2,4-Dimethylphenol

Concen: 42.77 ng

RT: 6.90 min Scan# 843

Delta R.T. 0.00 min

Lab File: BF094494.D

Acq: 18 Apr 2017 18:53

Instrument :

BNA_F

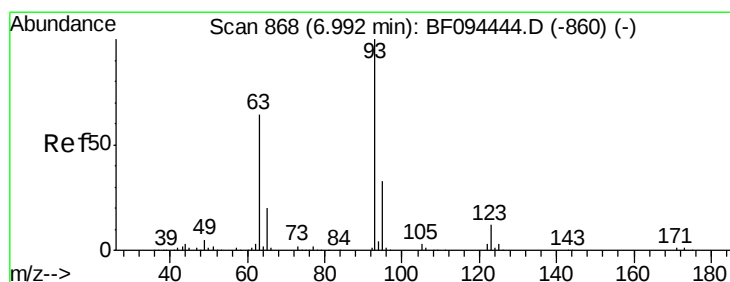
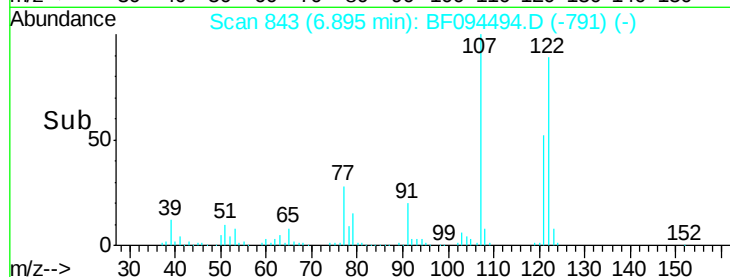
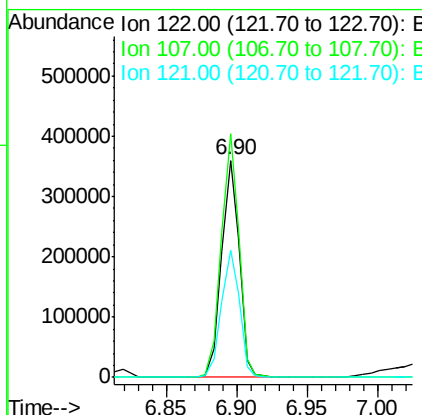
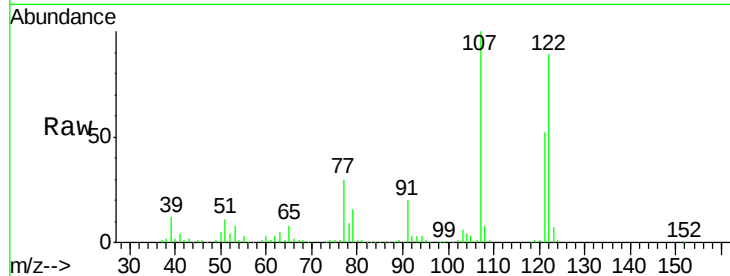
ClientSampleId :

WDS-02MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
122	100		315048		
107	112.3	89.2	133.8		
121	58.8	45.2	67.8		

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#28

bis(2-Chloroethoxy)methane

Concen: 43.63 ng

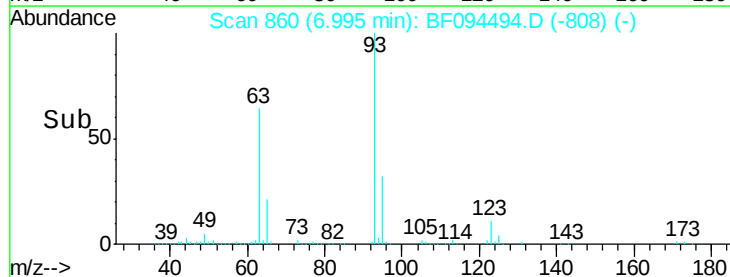
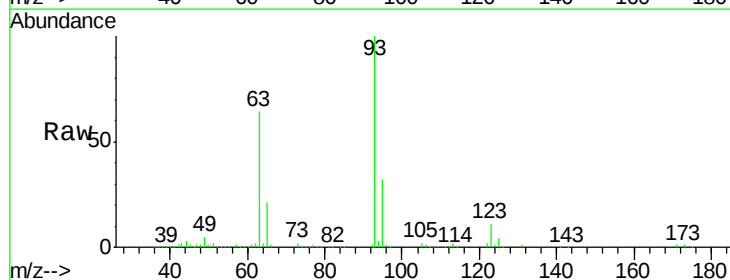
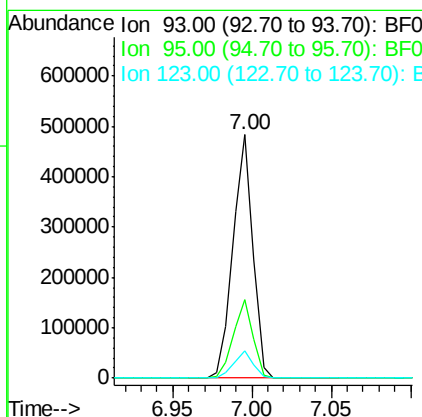
RT: 7.00 min Scan# 860

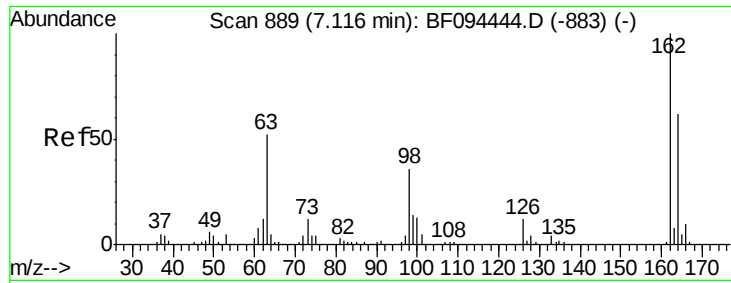
Delta R.T. 0.00 min

Lab File: BF094494.D

Acq: 18 Apr 2017 18:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
93	100		419301		
95	32.1	26.5	39.7		
123	11.1	9.0	13.4		





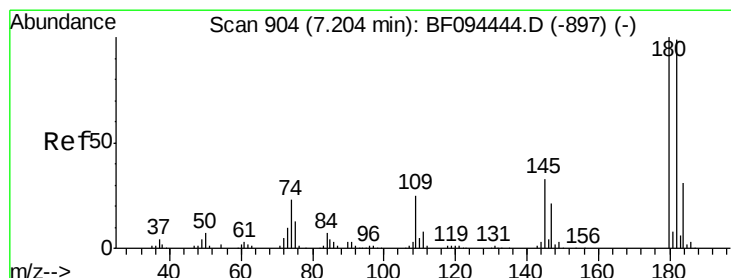
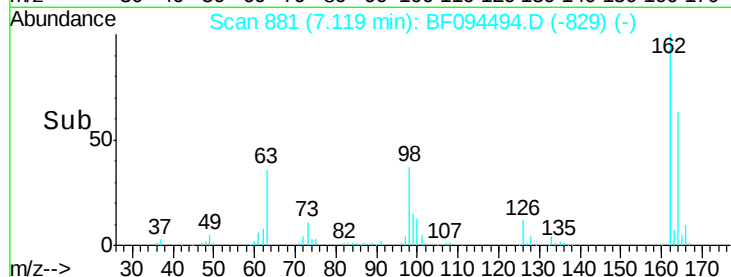
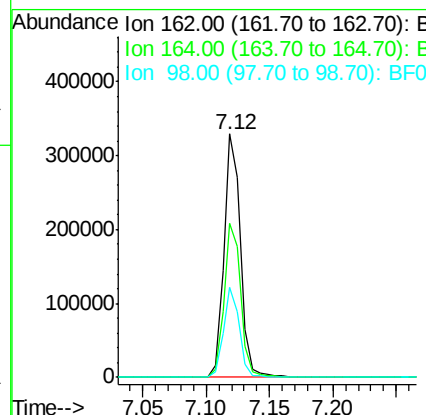
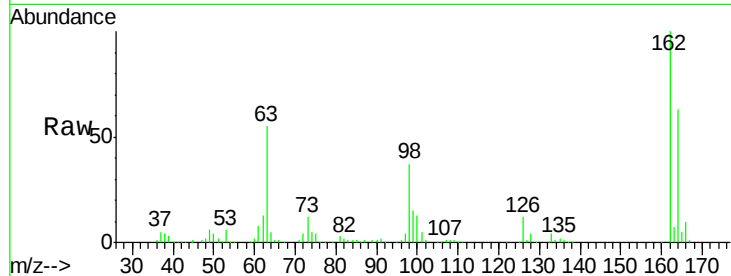
#29
2,4-Dichlorophenol
Concen: 43.93 ng
RT: 7.12 min Scan# 881
Delta R.T. 0.00 min
Lab File: BF094494.D
Acq: 18 Apr 2017 18:53

Instrument :
BNA_F
ClientSampleId :
WDS-02MS

Tot Ion	Ratio	Resp	Lower	Upper
162	100	301049		
164	63.0		44.6	84.6
98	37.0		14.8	54.8

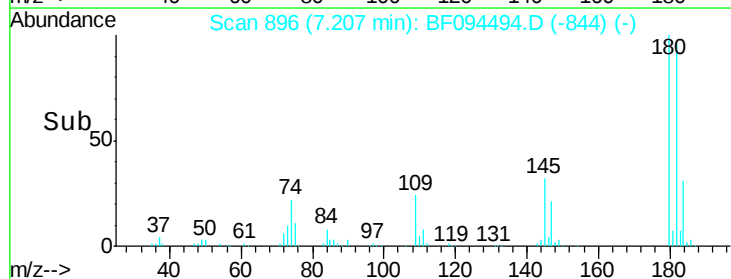
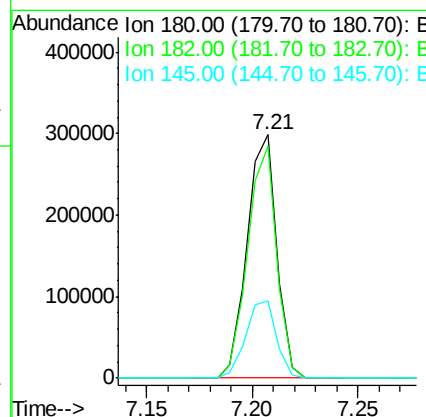
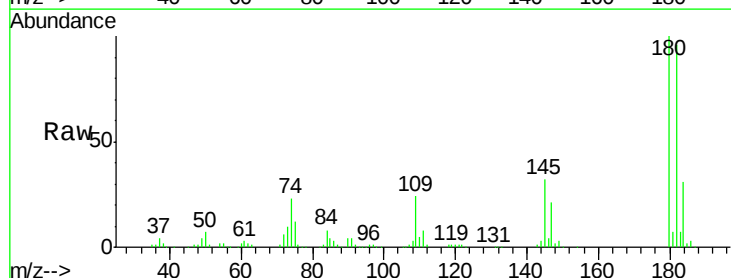
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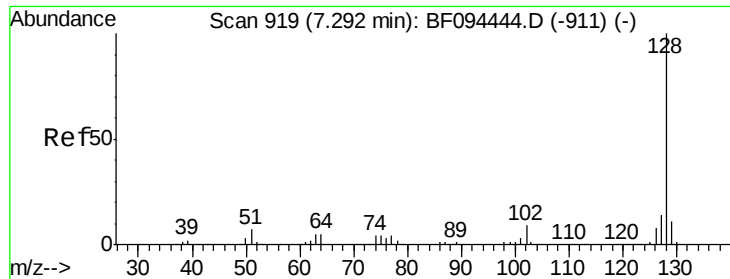
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#30
1,2,4-Trichlorobenzene
Concen: 40.79 ng
RT: 7.21 min Scan# 896
Delta R.T. 0.00 min
Lab File: BF094494.D
Acq: 18 Apr 2017 18:53

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	288969		
182	95.6		75.8	113.6
145	31.9		25.3	37.9





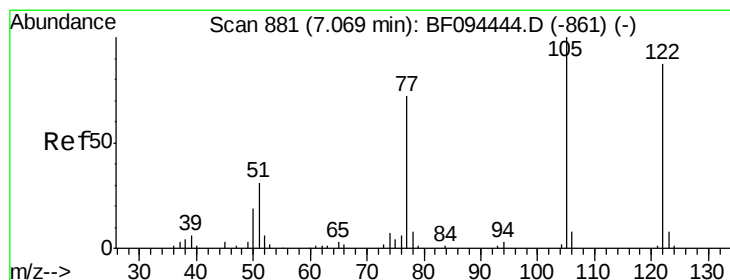
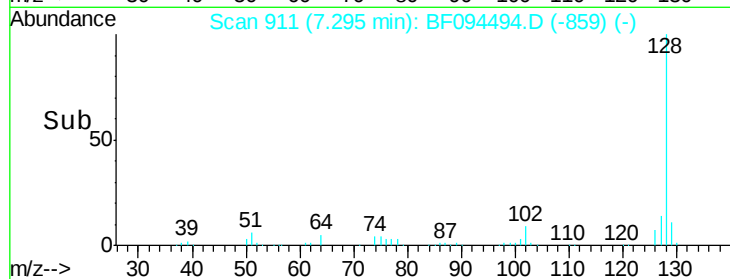
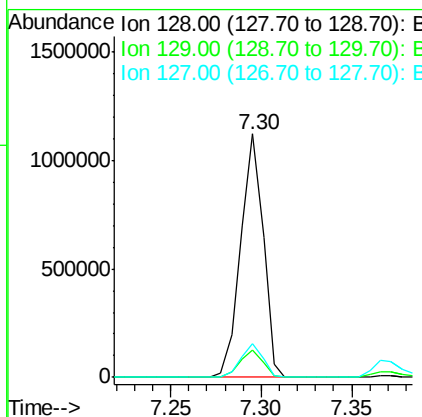
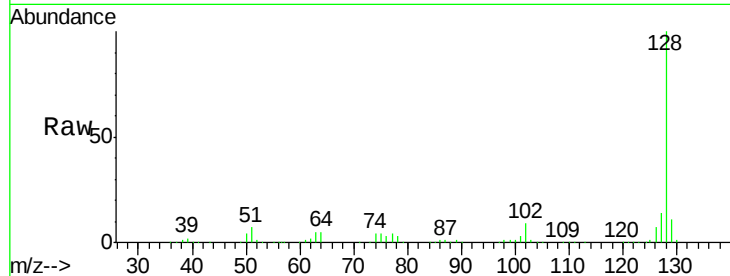
#31
Naphthalene
Concen: 40.85 ng
RT: 7.30 min Scan# 911
Delta R.T. 0.00 min
Lab File: BF094494.D
Acq: 18 Apr 2017 18:53

Instrument :
BNA_F
ClientSampleId :
WDS-02MS

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.0	13.6
127	13.8	10.8	16.2

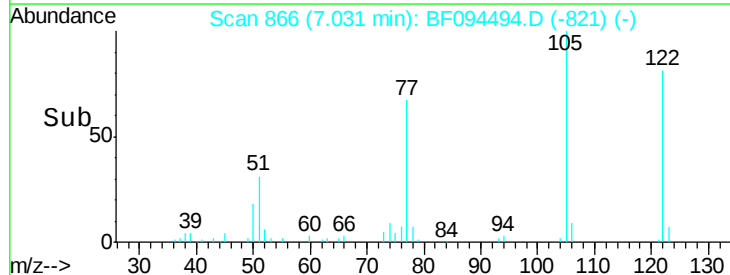
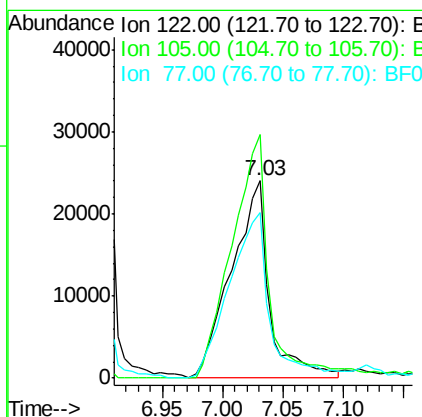
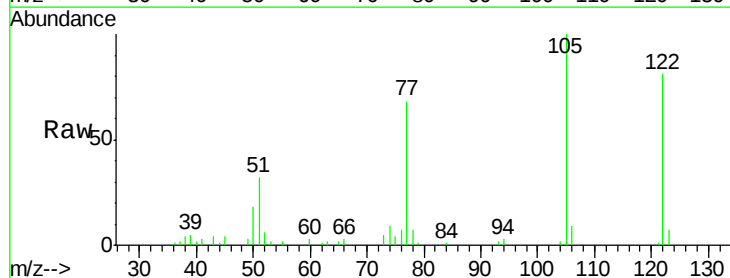
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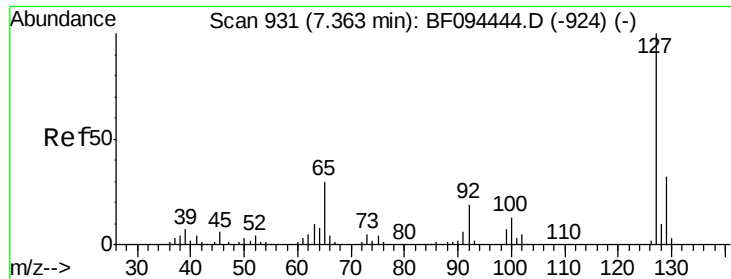
mohammad
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#32
Benzoic acid
Concen: 13.62 ng
RT: 7.03 min Scan# 866
Delta R.T. -0.04 min
Lab File: BF094494.D
Acq: 18 Apr 2017 18:53

Tgt Ion	Ratio	Lower	Upper
122	100		
105	123.3	103.3	143.3
77	83.6	73.7	113.7





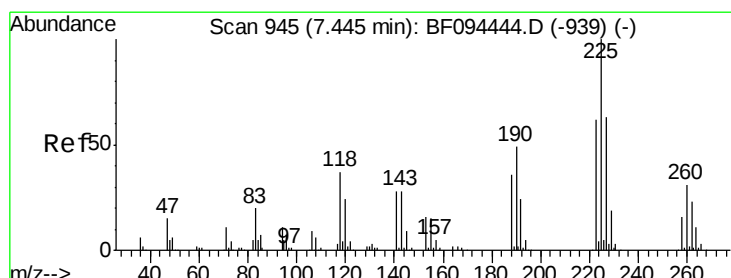
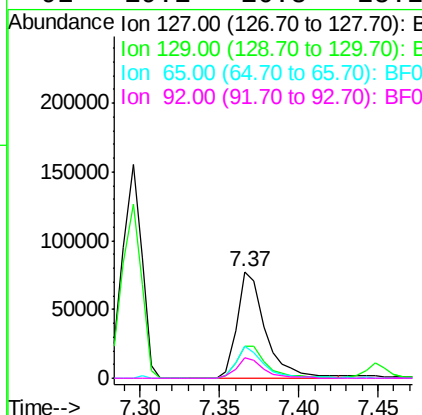
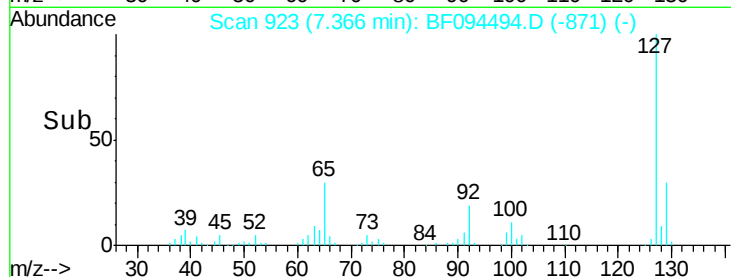
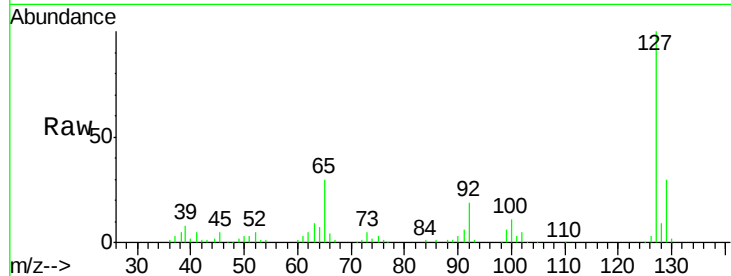
#33
4-Chloroaniline
Concen: 9.75 ng
RT: 7.37 min Scan# 923
Delta R.T. 0.00 min
Lab File: BF094494.D
Acq: 18 Apr 2017 18:53

Instrument :
BNA_F
ClientSampleId :
WDS-02MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	30.2		26.2	39.2	
65	30.2		27.8	41.8	
92	19.1		16.8	25.2	

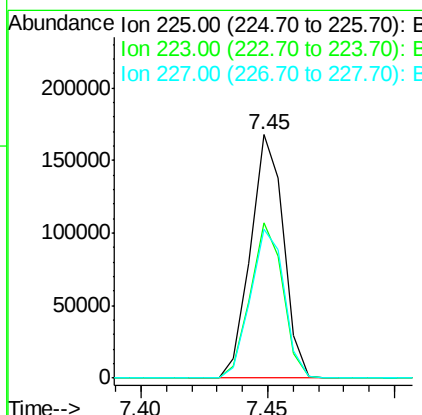
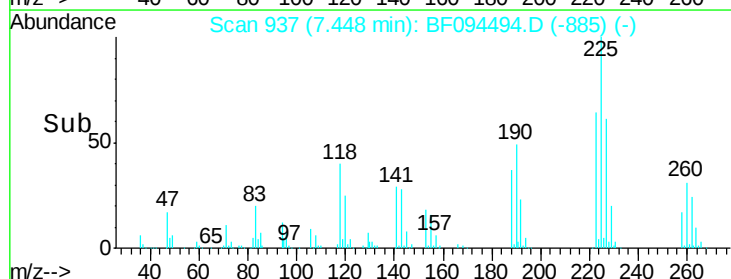
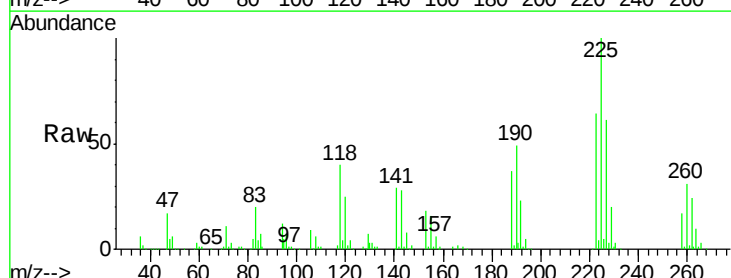
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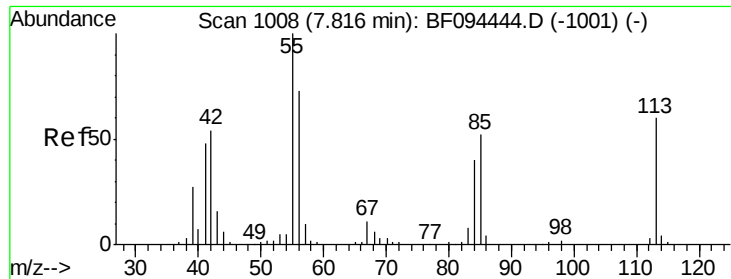
mohammad
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#34
Hexachlorobutadiene
Concen: 42.80 ng
RT: 7.45 min Scan# 937
Delta R.T. 0.00 min
Lab File: BF094494.D
Acq: 18 Apr 2017 18:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	63.7		48.8	73.2	
227	61.0		51.1	76.7	





#35

Caprolactam

Concen: 46.25 ng/ml

RT: 7.82 min Scan# 1000

Delta R.T. 0.00 min

Lab File: BF094494.D

Acq: 18 Apr 2017 18:53

Instrument :

BNA_F

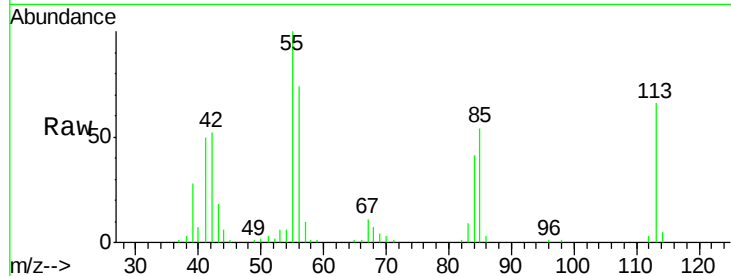
ClientSampleId :

WDS-02MS

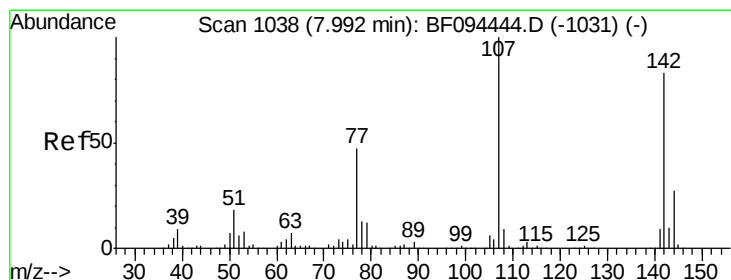
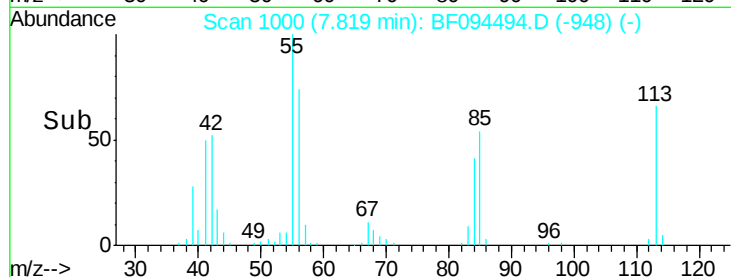
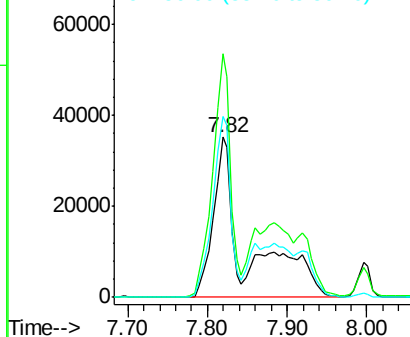
Tot Ion:113 Resp: 99572
 Ion Ratio Lower Upper
 113 100
 55 152.1 150.2 190.2
 56 113.2 107.8 147.8

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Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF0
 Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 42.20 ng/ml

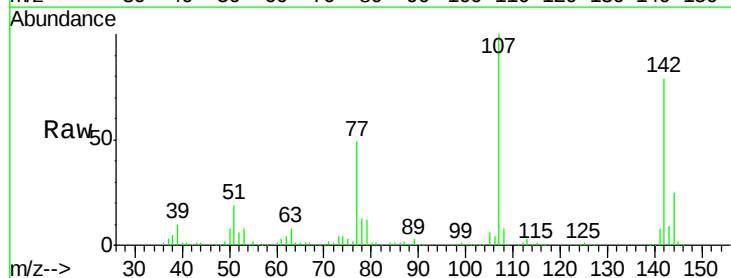
RT: 8.00 min Scan# 1030

Delta R.T. 0.00 min

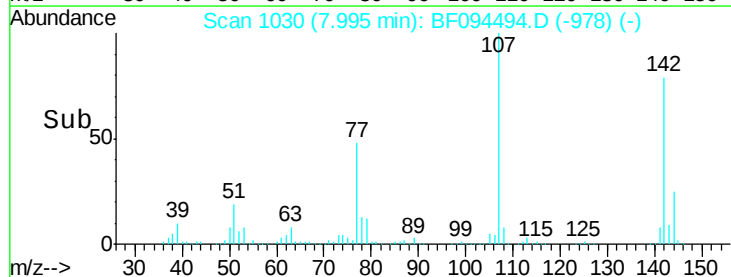
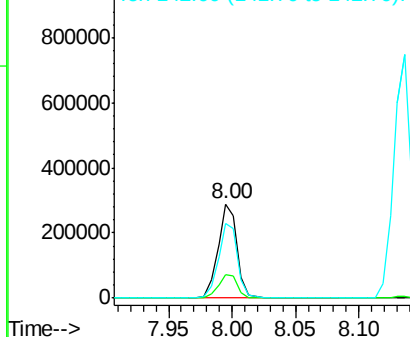
Lab File: BF094494.D

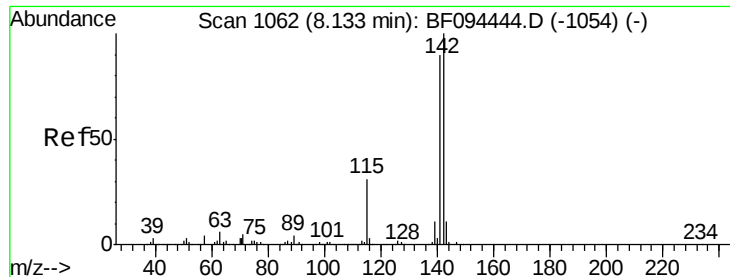
Acq: 18 Apr 2017 18:53

Tgt Ion:107 Resp: 303076
 Ion Ratio Lower Upper
 107 100
 144 25.4 24.2 36.4
 142 79.0 73.4 110.0



Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E





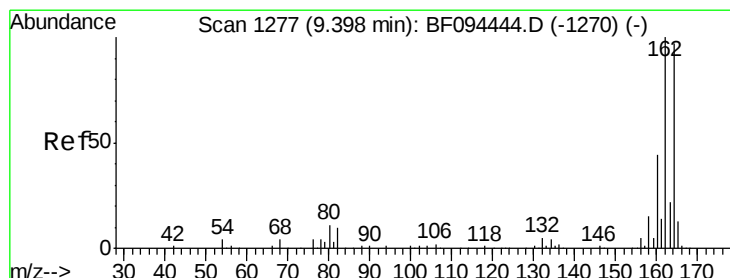
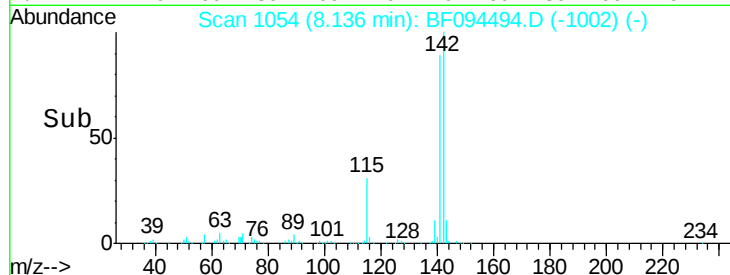
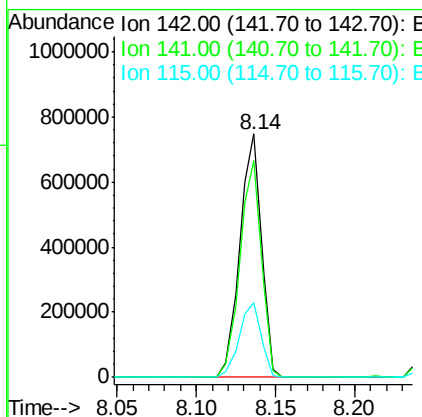
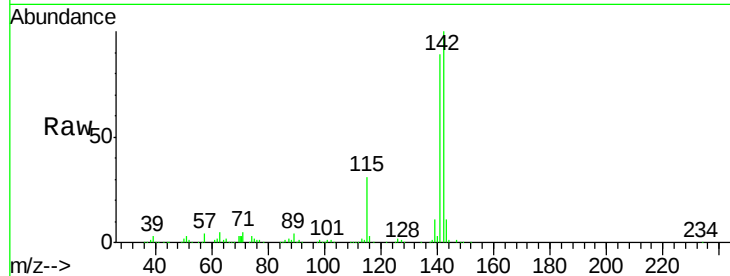
#37
 2-Methylnaphthalene
 Concen: 43.27 ng
 RT: 8.14 min Scan# 1054
 Delta R.T. 0.00 min
 Lab File: BF094494.D
 Acq: 18 Apr 2017 18:53

Instrument :
 BNA_F
 ClientSampleId :
 WDS-02MS

Tot Ion:	142	Resp:	704380
Ion Ratio	Lower	Upper	
142	100		
141	89.1	71.3	106.9
115	30.7	27.1	40.7

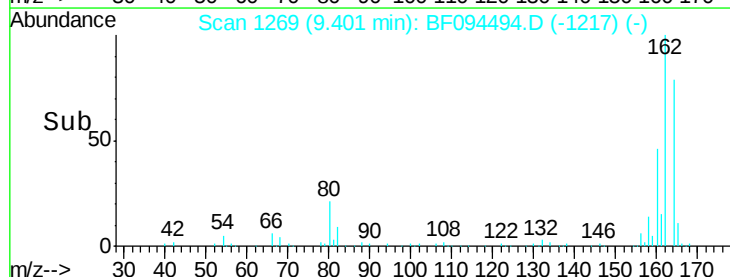
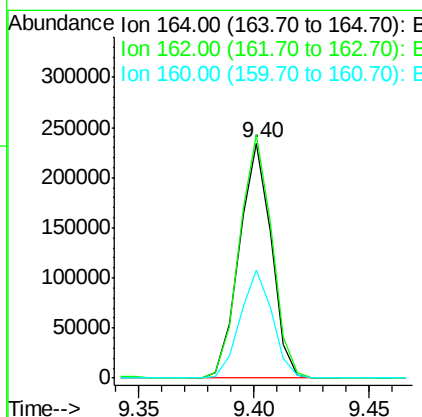
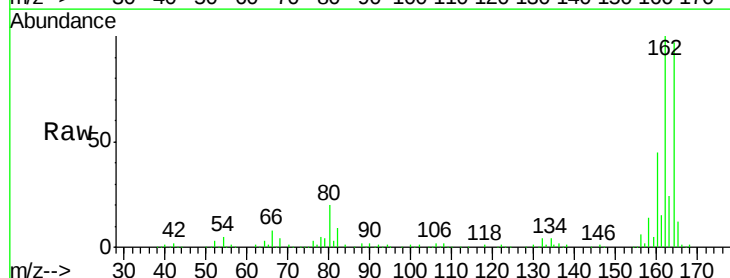
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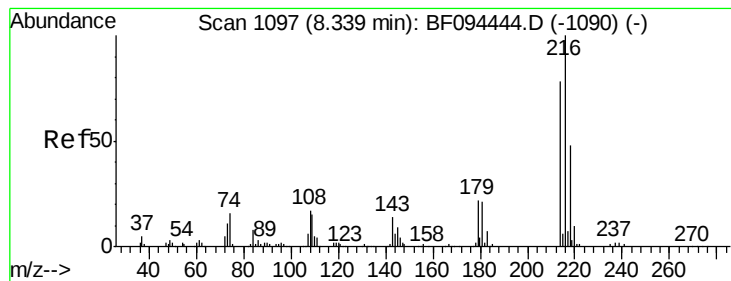
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.40 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: BF094494.D
 Acq: 18 Apr 2017 18:53

Tgt Ion:	164	Resp:	226508
Ion Ratio	Lower	Upper	
164	100		
162	103.6	82.6	123.8
160	46.2	36.2	54.2





#39

1,2,4,5-Tetrachlorobenzene

Concen: 40.80 ng

RT: 8.34 min Scan# 1089

Delta R.T. 0.00 min

Lab File: BF094494.D

Acq: 18 Apr 2017 18:53

Instrument :

BNA_F

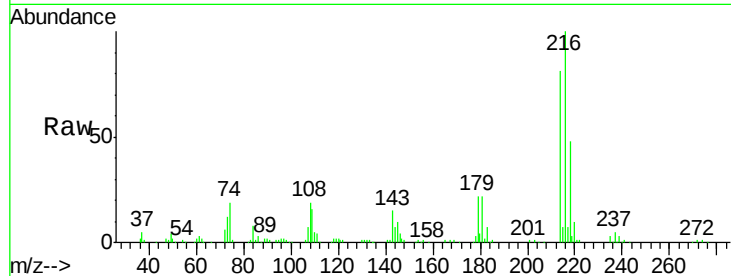
ClientSampleId :

WDS-02MS

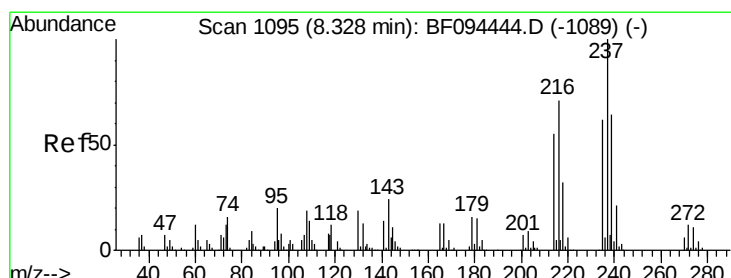
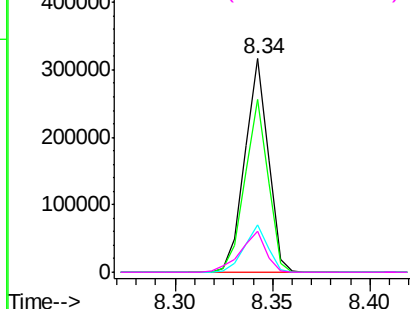
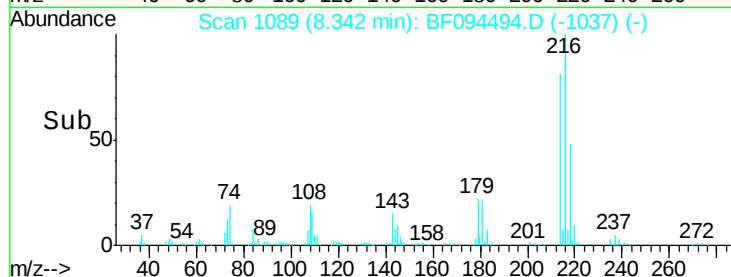
Tot Ion	Ion	Ratio	Resp	Lower	Upper
216	100		263189		
214	80.0		63.4	95.2	
179	21.9		17.9	26.9	
108	21.5		16.5	24.7	

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Abundance Ion 216.00 (215.70 to 216.70): E
Ion 214.00 (213.70 to 214.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 82.35 ng

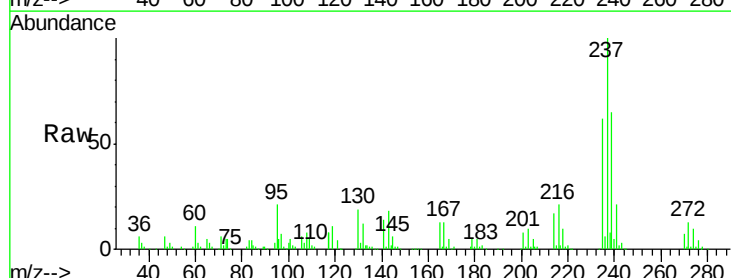
RT: 8.33 min Scan# 1087

Delta R.T. 0.00 min

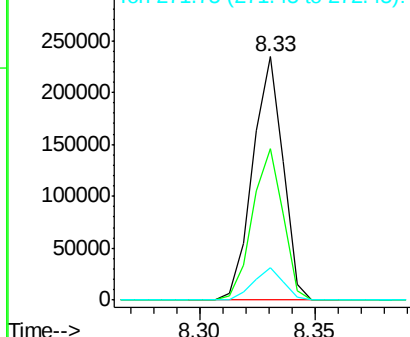
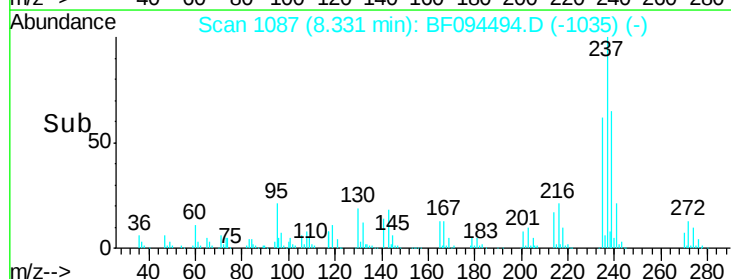
Lab File: BF094494.D

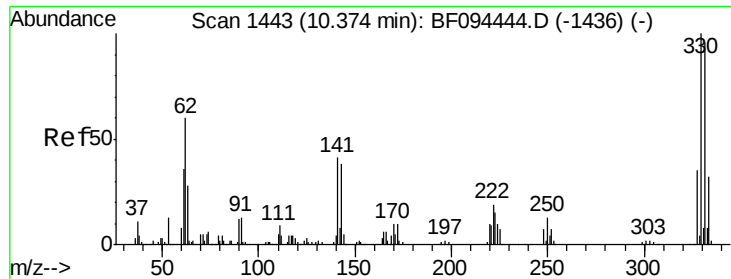
Acq: 18 Apr 2017 18:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
237	100		214873		
235	62.5		42.6	82.6	
272	13.4		0.0	31.9	



Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E





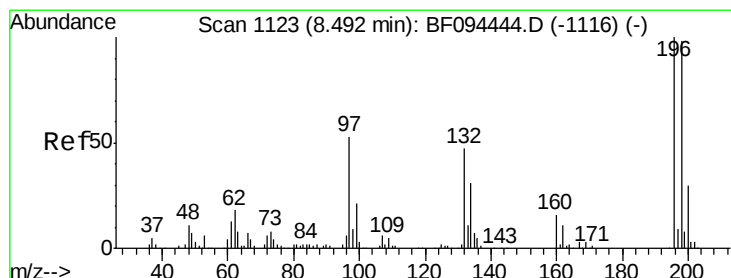
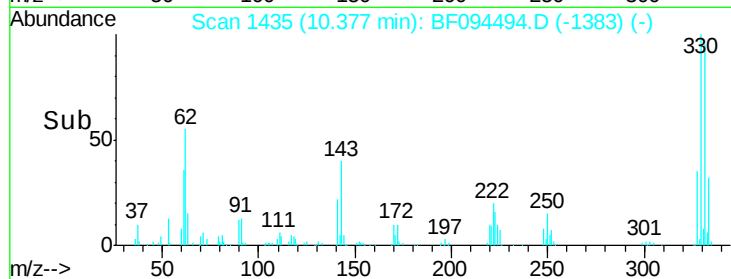
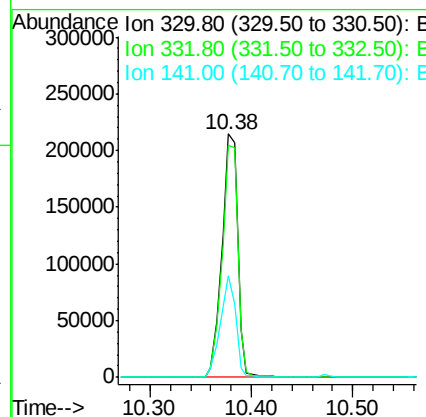
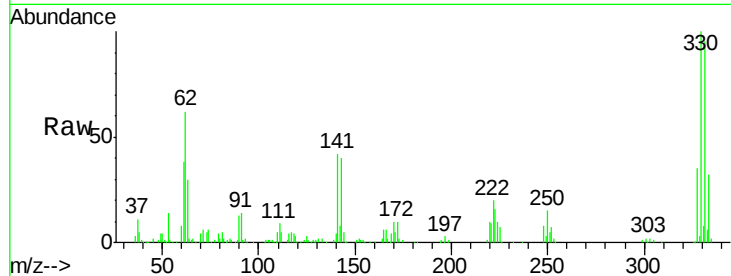
#41
 2,4,6-Tribromophenol
 Concen: 132.68 ng
 RT: 10.38 min Scan# 1435
 Delta R.T. 0.00 min
 Lab File: BF094494.D
 Acq: 18 Apr 2017 18:53

Instrument :
 BNA_F
 ClientSampleId :
 WDS-02MS

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.4	76.6	115.0
141	40.4	31.4	47.2

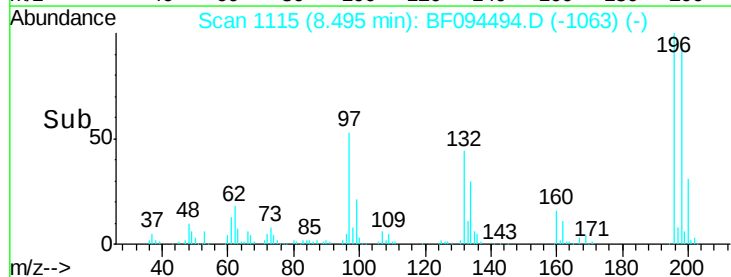
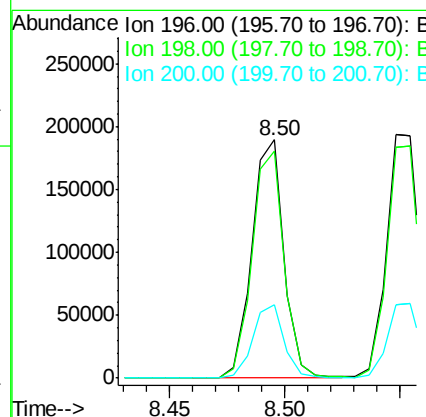
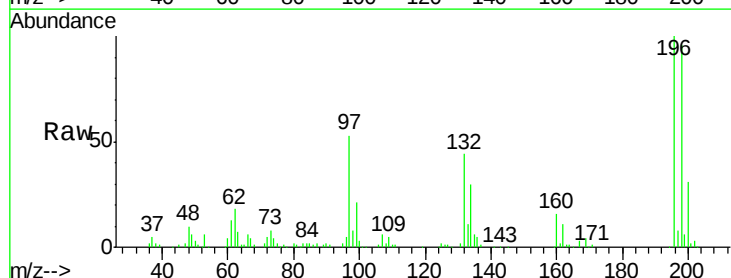
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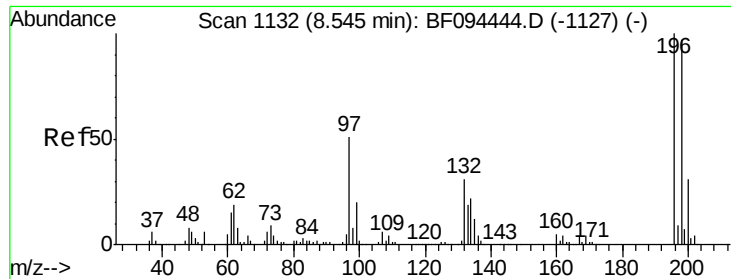
mohammad
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#42
 2,4,6-Trichlorophenol
 Concen: 40.45 ng
 RT: 8.50 min Scan# 1115
 Delta R.T. 0.00 min
 Lab File: BF094494.D
 Acq: 18 Apr 2017 18:53

Tgt Ion	Ratio	Lower	Upper
196	100		
198	95.5	74.2	111.4
200	30.6	24.0	36.0





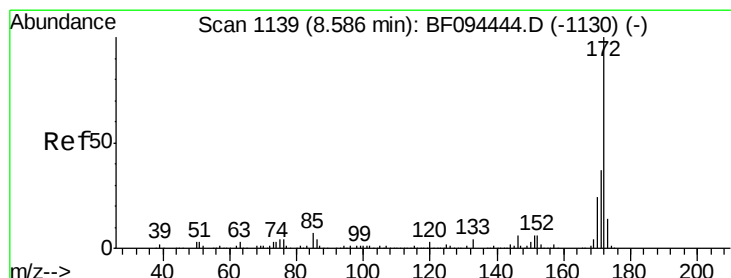
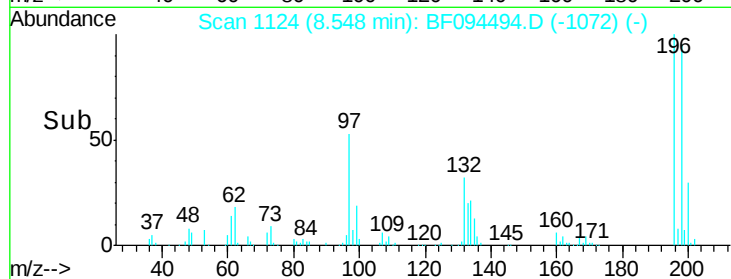
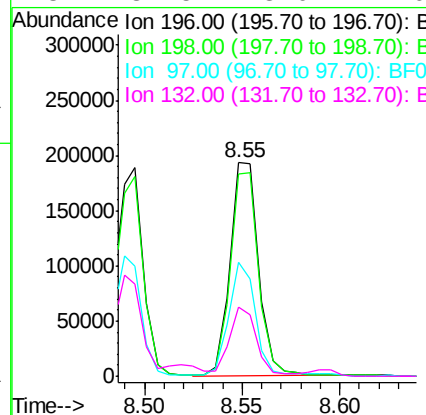
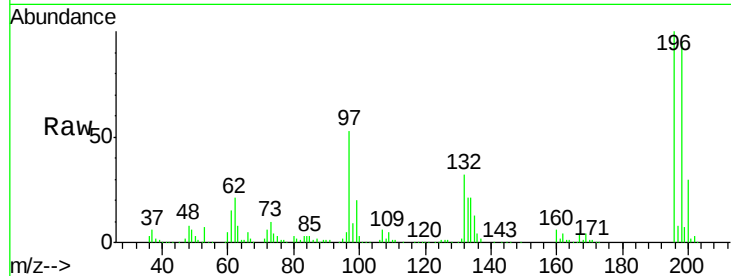
#43
 2,4,5-Trichlorophenol
 Concen: 41.82 ng
 RT: 8.55 min Scan# 1124
 Delta R.T. 0.00 min
 Lab File: BF094494.D
 Acq: 18 Apr 2017 18:53

Instrument :
 BNA_F
 ClientSampleId :
 WDS-02MS

Tot Ion:	196	Resp:	194547
Ion Ratio	Lower	Upper	
196	100		
198	94.6	75.7	113.5
97	53.1	47.7	71.5
132	32.5	28.0	42.0

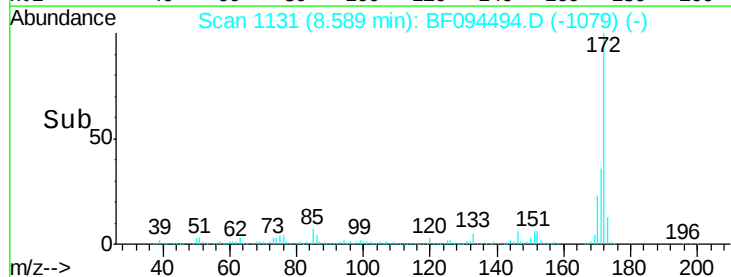
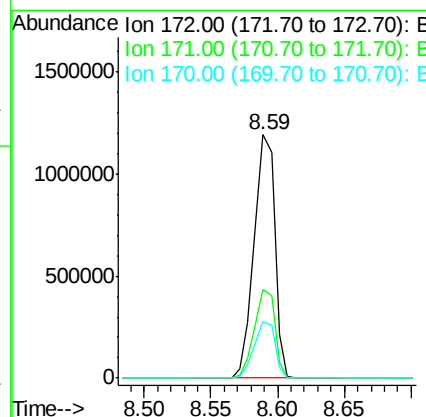
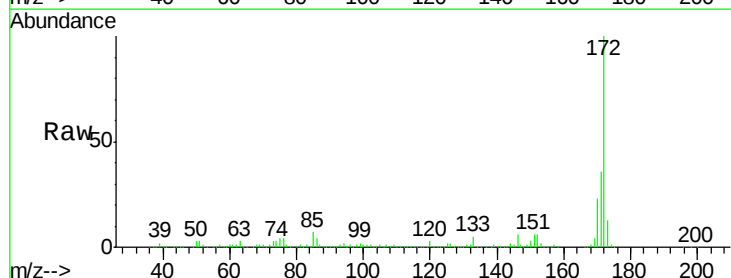
Manual Integrations
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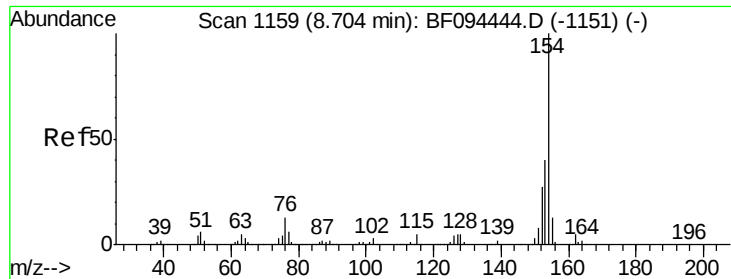
mohammad
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#44
 2-Fluorobiphenyl
 Concen: 82.25 ng
 RT: 8.59 min Scan# 1131
 Delta R.T. 0.00 min
 Lab File: BF094494.D
 Acq: 18 Apr 2017 18:53

Tgt Ion:	172	Resp:	1266199
Ion Ratio	Lower	Upper	
172	100		
171	36.4	29.6	44.4
170	23.5	19.8	29.8





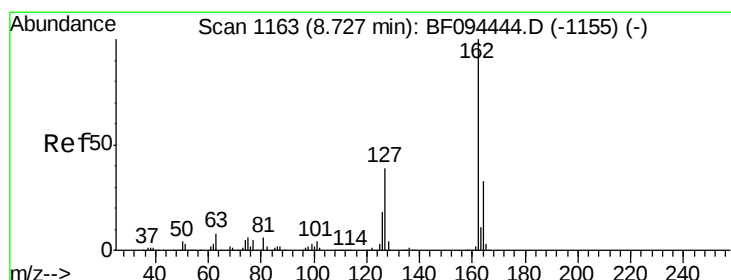
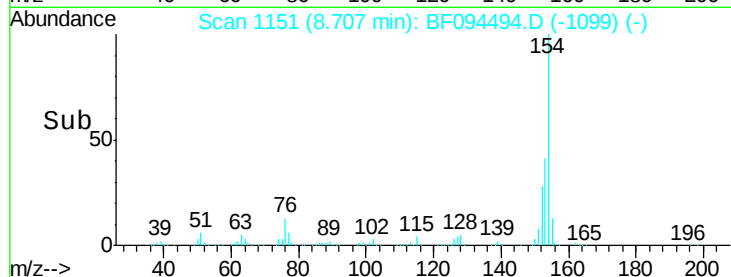
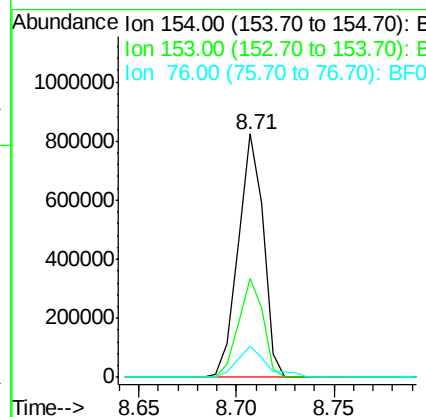
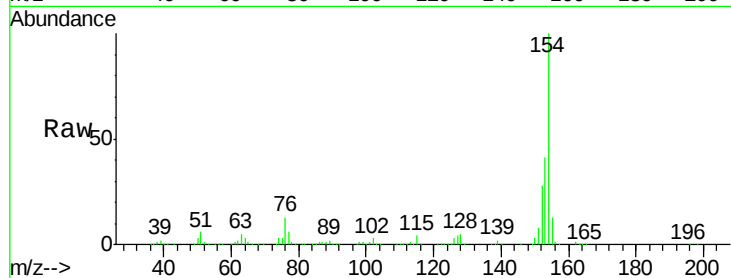
#45
1,1'-Biphenyl
Concen: 39.63 ng
RT: 8.71 min Scan# 1151
Delta R.T. 0.00 min
Lab File: BF094494.D
Acq: 18 Apr 2017 18:53

Instrument :
BNA_F
ClientSampleId :
WDS-02MS

Tot Ion	Ratio	Resp	Lower	Upper
154	100			
153	40.8	21.2	61.2	
76	12.7	0.0	29.9	

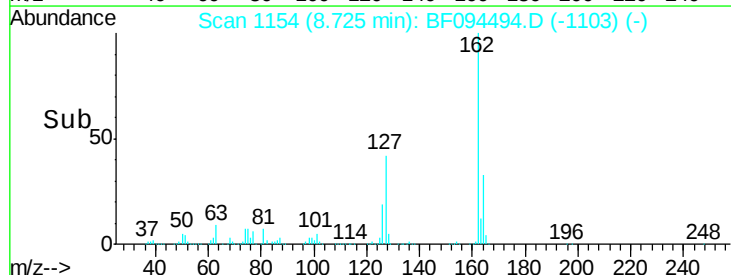
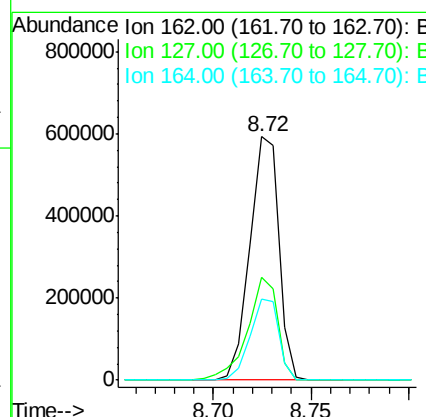
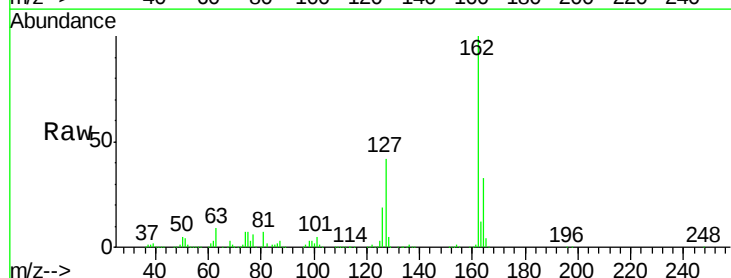
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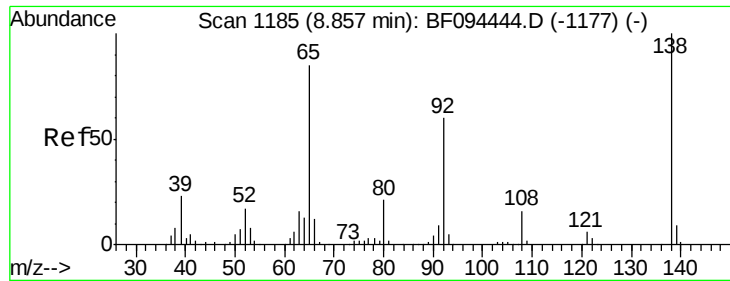
mohammad
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#46
2-Chloronaphthalene
Concen: 41.57 ng
RT: 8.72 min Scan# 1154
Delta R.T. -0.00 min
Lab File: BF094494.D
Acq: 18 Apr 2017 18:53

Tgt Ion	Ratio	Resp	Lower	Upper
162	100			
127	42.3	28.3	42.5	
164	33.3	27.0	40.4	





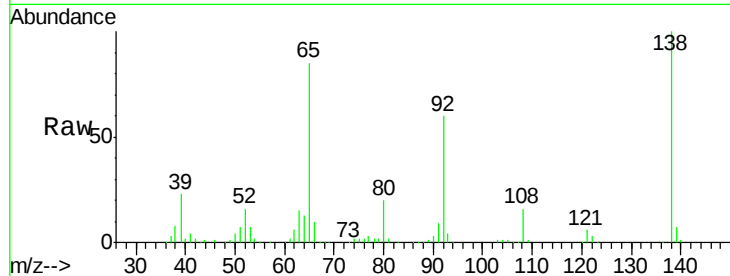
#47
2-Nitroaniline
Concen: 43.27 ng
RT: 8.86 min Scan# 1177
Delta R.T. 0.00 min
Lab File: BF094494.D
Acq: 18 Apr 2017 18:53

Instrument :
BNA_F
ClientSampleId :
WDS-02MS

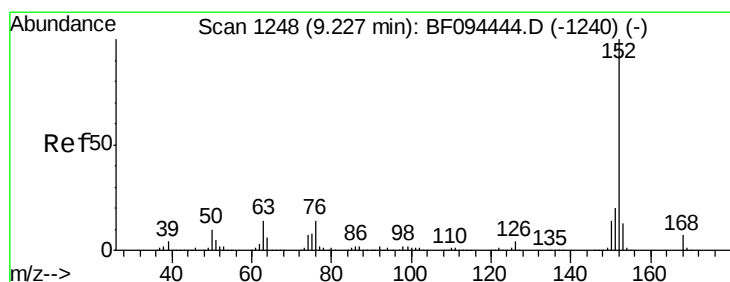
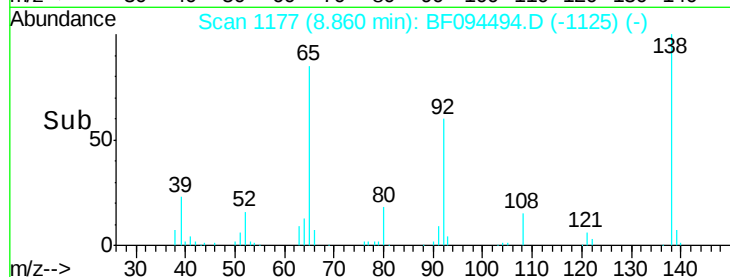
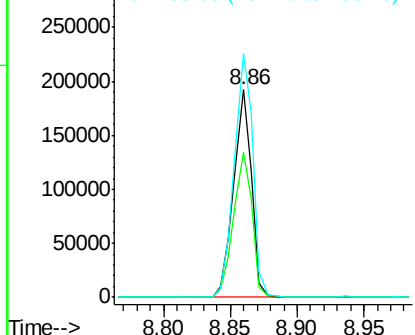
Tot Ion	Ratio	Lower	Upper
65	100		
92	70.0	53.9	80.9
138	117.2	78.8	118.2

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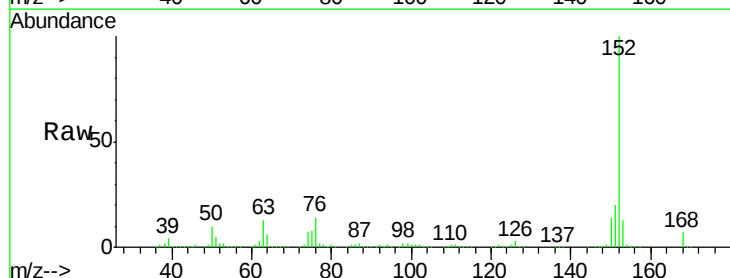


Abundance Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0
Ion 138.00 (137.70 to 138.70): BF0

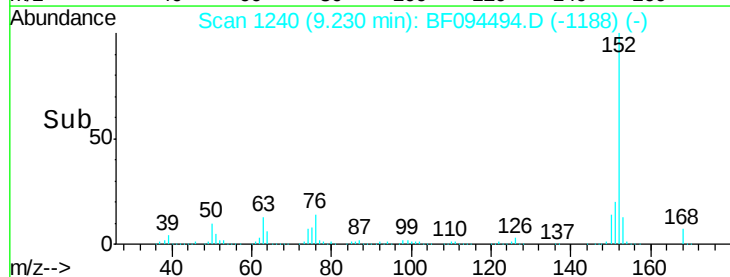
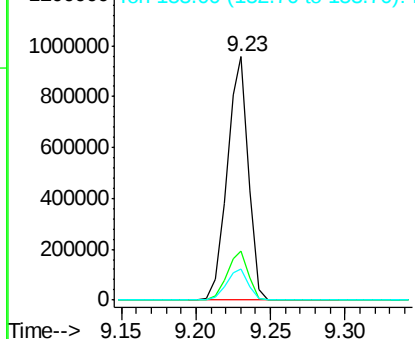


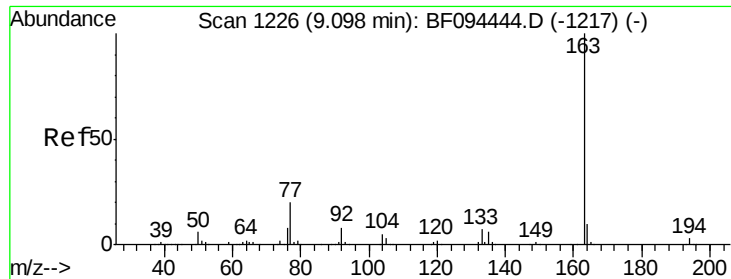
#48
Acenaphthylene
Concen: 41.65 ng
RT: 9.23 min Scan# 1240
Delta R.T. 0.00 min
Lab File: BF094494.D
Acq: 18 Apr 2017 18:53

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.8	25.2
153	13.0	10.8	16.2



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





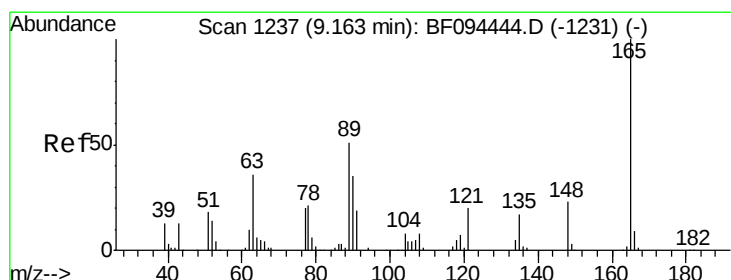
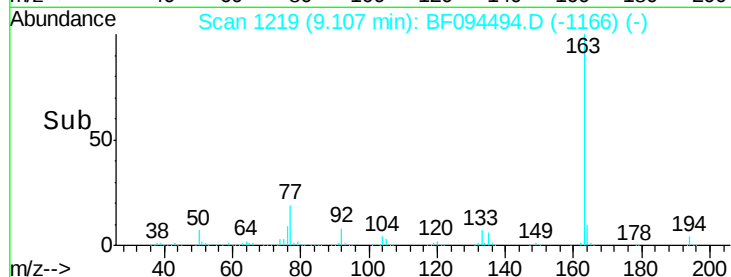
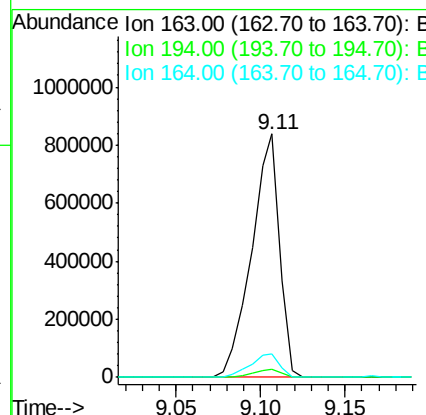
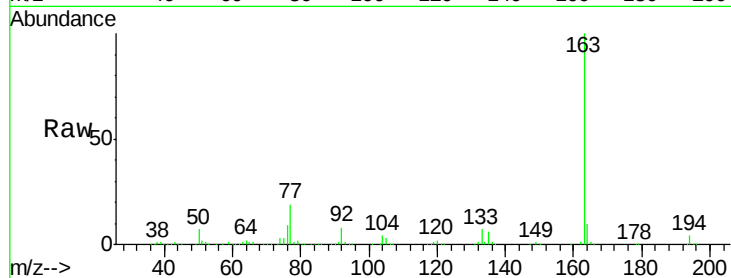
#49
Dimethylphthalate
Concen: 57.32 ng
RT: 9.11 min Scan# 1219
Delta R.T. 0.01 min
Lab File: BF094494.D
Acq: 18 Apr 2017 18:53

Instrument :
BNA_F
ClientSampleId :
WDS-02MS

Tot Ion	Ratio	Resp	Lower	Upper
163	100	967551		
194	3.6		2.6	4.0
164	9.9		8.4	12.6

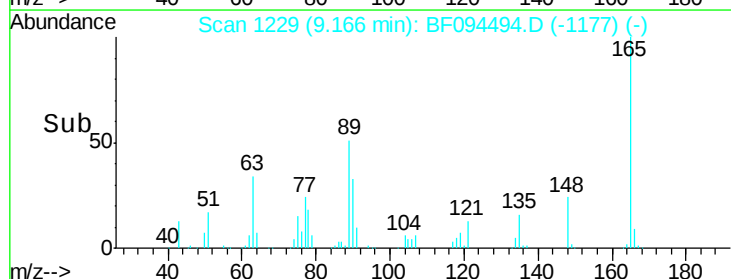
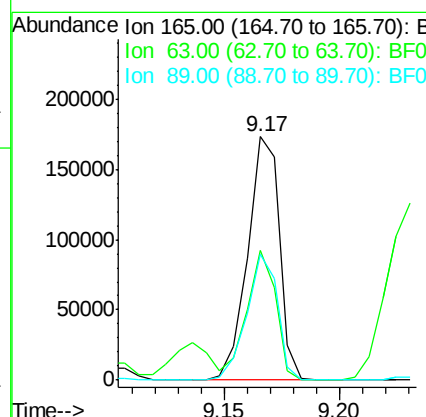
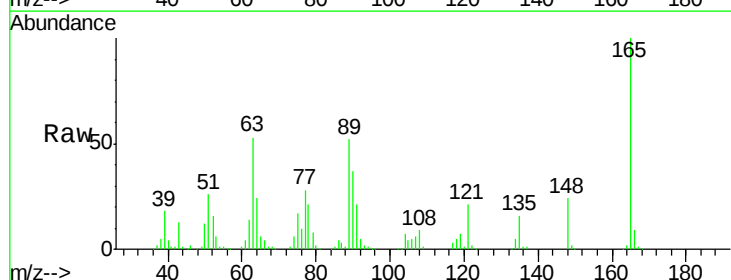
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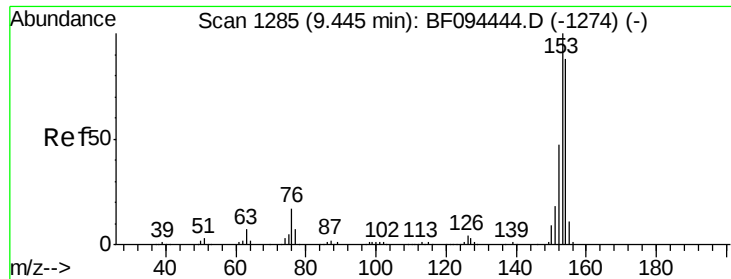
mohammad
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#50
2,6-Dinitrotoluene
Concen: 43.98 ng
RT: 9.17 min Scan# 1229
Delta R.T. 0.00 min
Lab File: BF094494.D
Acq: 18 Apr 2017 18:53

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	166652		
63	53.1		34.3	51.5#
89	51.8		37.1	55.7





#51

Acenaphthene

Concen: 41.80 ng

RT: 9.44 min Scan# 1276

Delta R.T. -0.00 min

Lab File: BF094494.D

Acq: 18 Apr 2017 18:53

Instrument :

BNA_F

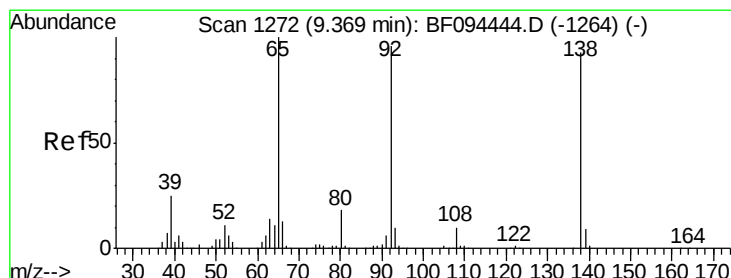
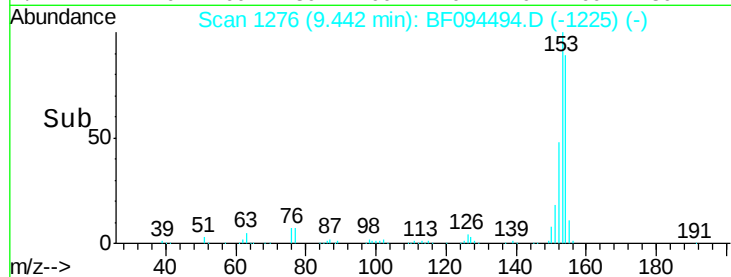
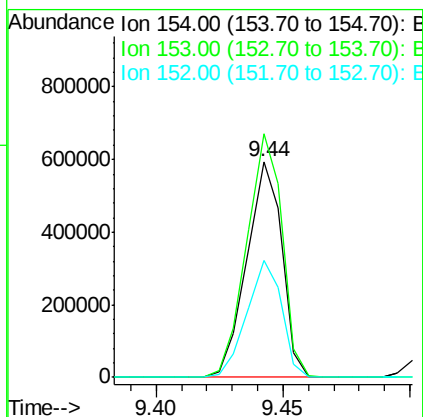
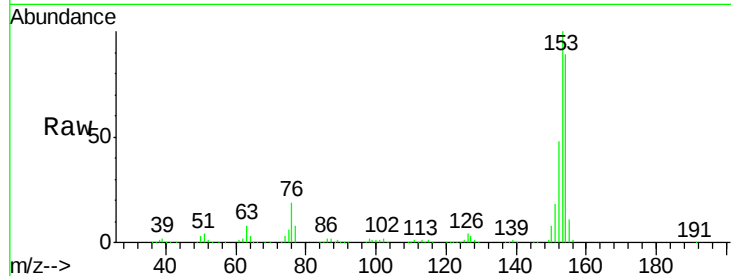
ClientSampleId :

WDS-02MS

Tot Ion:	154	Resp:	574343
Ion Ratio	Lower	Upper	
154	100		
153	112.8	90.5	135.7
152	54.3	43.6	65.4

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#52

3-Nitroaniline

Concen: 26.21 ng

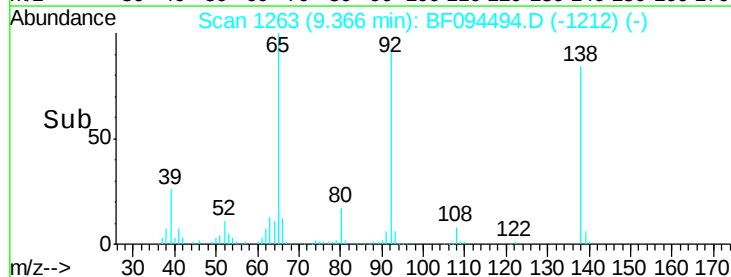
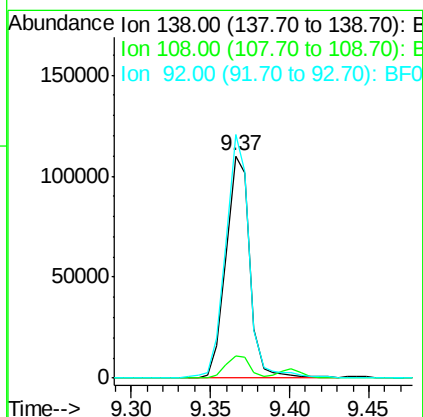
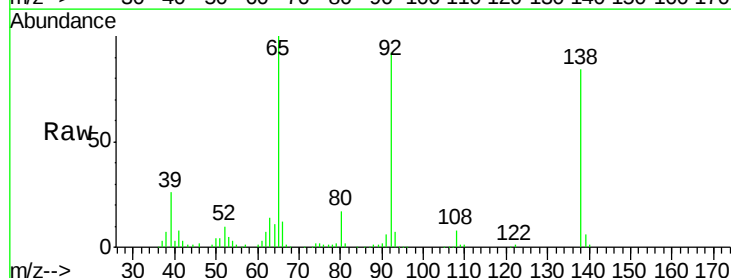
RT: 9.37 min Scan# 1263

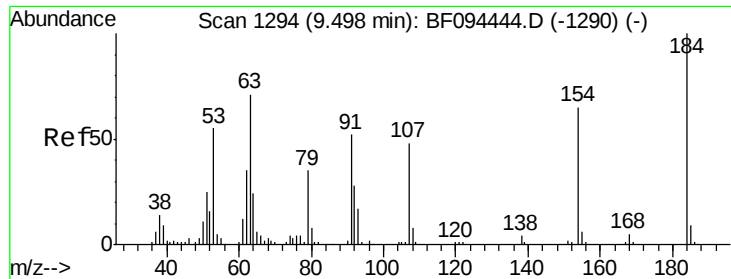
Delta R.T. -0.00 min

Lab File: BF094494.D

Acq: 18 Apr 2017 18:53

Tgt Ion:	138	Resp:	114916
Ion Ratio	Lower	Upper	
138	100		
108	9.9	9.1	13.7
92	109.7	93.8	140.6





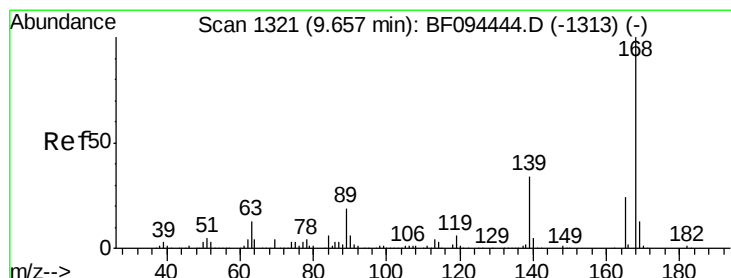
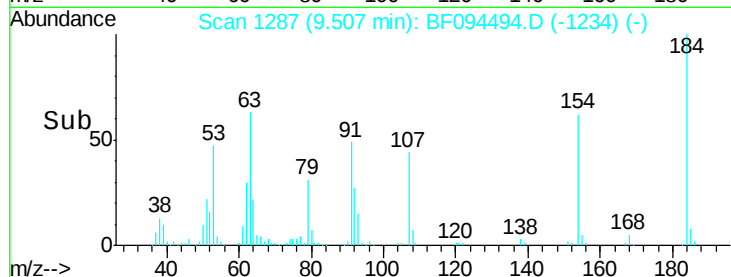
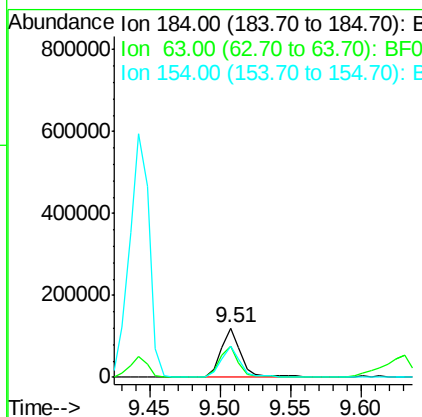
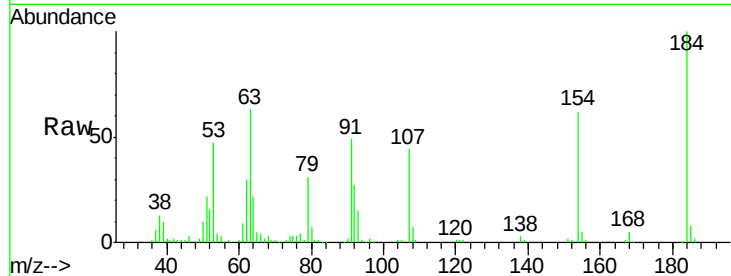
#53
 2,4-Dinitrophenol
 Concen: 60.49 ng
 RT: 9.51 min Scan# 1287
 Delta R.T. 0.01 min
 Lab File: BF094494.D
 Acq: 18 Apr 2017 18:53

Instrument :
 BNA_F
 ClientSampleId :
 WDS-02MS

Tot Ion	Ratio	Resp	Lower	Upper
184	100	121259		
63	63.1	62.7	94.1	
154	62.3	81.1	121.7	

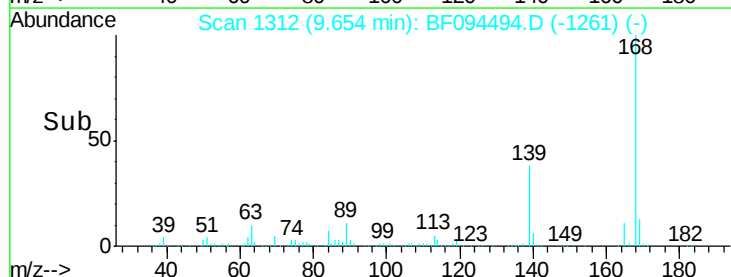
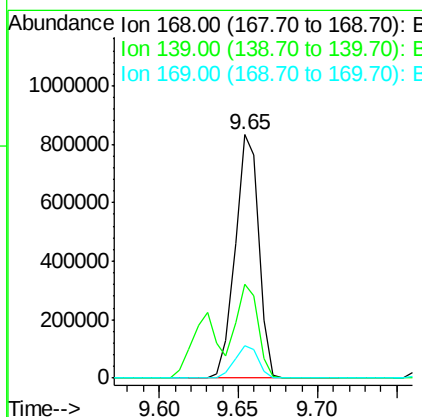
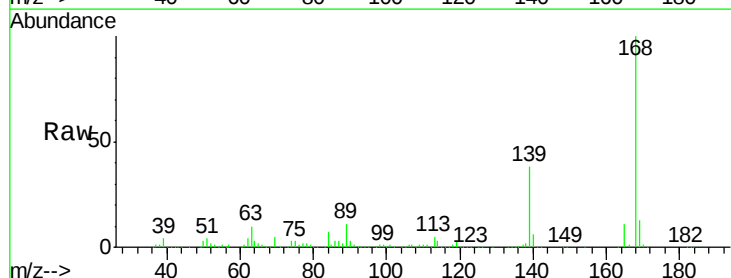
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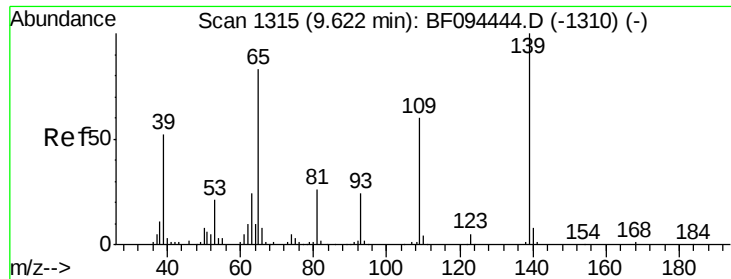
mohammad
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#54
 Dibenzofuran
 Concen: 42.65 ng
 RT: 9.65 min Scan# 1312
 Delta R.T. -0.00 min
 Lab File: BF094494.D
 Acq: 18 Apr 2017 18:53

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	851735		
139	38.4	30.6	45.8	
169	13.4	10.8	16.2	





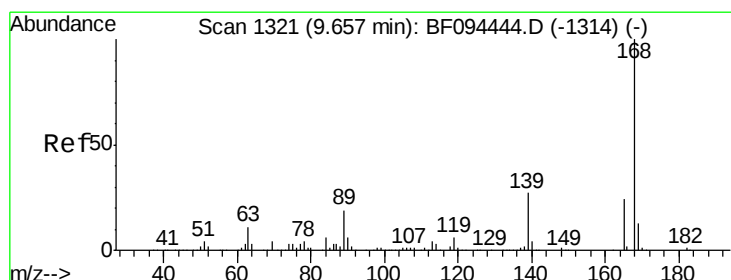
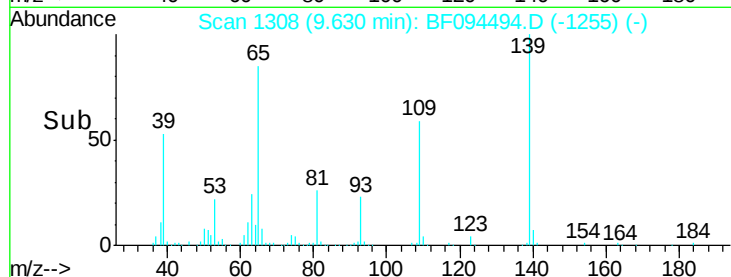
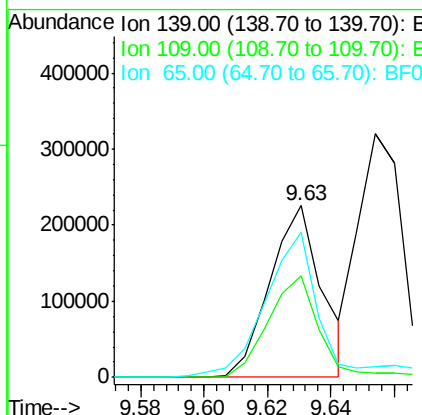
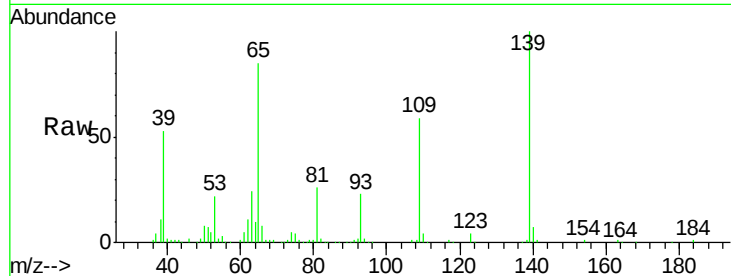
#55
4-Nitrophenol
Concen: 82.80 ng
RT: 9.63 min Scan# 1308
Delta R.T. 0.01 min
Lab File: BF094494.D
Acq: 18 Apr 2017 18:53

Instrument :
BNA_F
ClientSampleId :
WDS-02MS

Tot Ion	Ratio	Resp	Lower	Upper
139	100	256416		
109	58.8	34.1	74.1	
65	84.6	31.4	71.4	

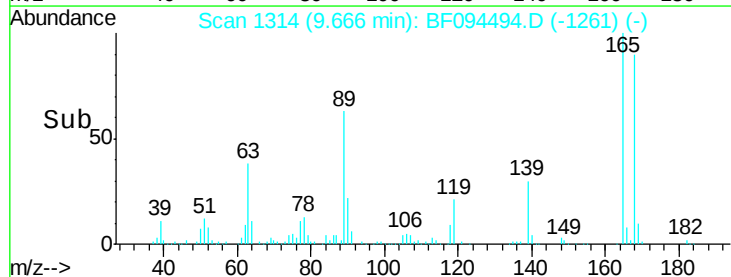
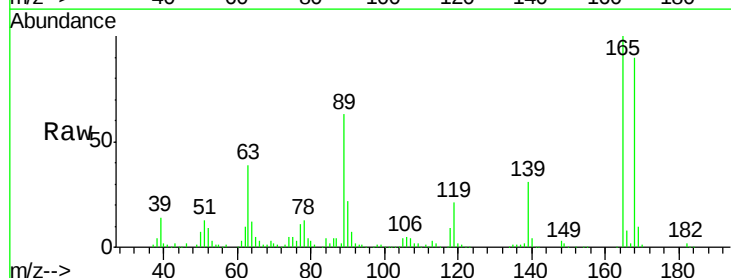
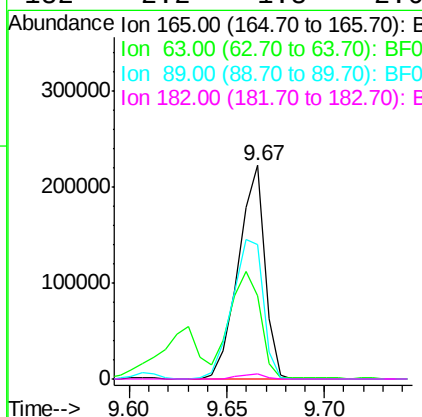
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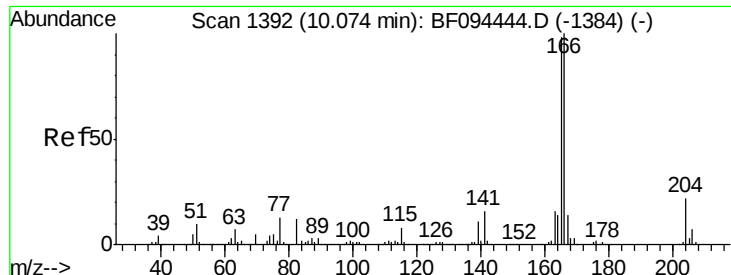
mohammad
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#56
2,4-Dinitrotoluene
Concen: 45.13 ng
RT: 9.67 min Scan# 1314
Delta R.T. 0.01 min
Lab File: BF094494.D
Acq: 18 Apr 2017 18:53

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	209794		
63	39.3	25.4	38.0	
89	62.7	46.4	69.6	
182	2.2	1.8	2.6	





#57

Fluorene

Concen: 42.21 ng

RT: 10.08 min Scan# 1384

Delta R.T. 0.00 min

Lab File: BF094494.D

Acq: 18 Apr 2017 18:53

Instrument :

BNA_F

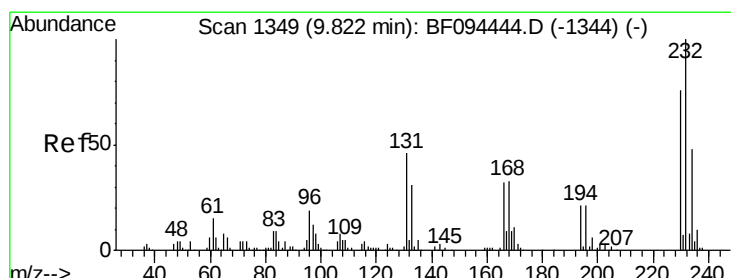
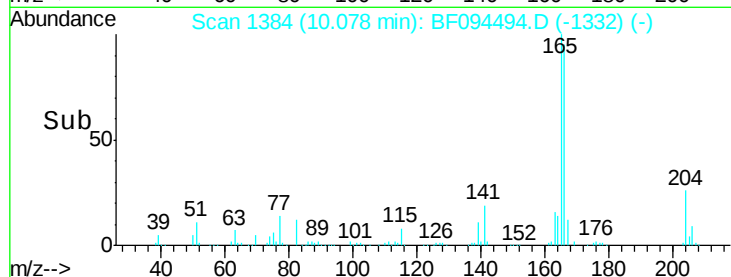
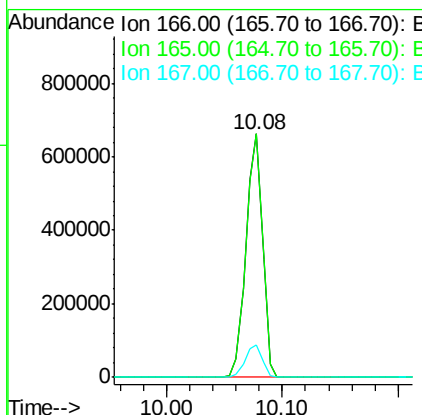
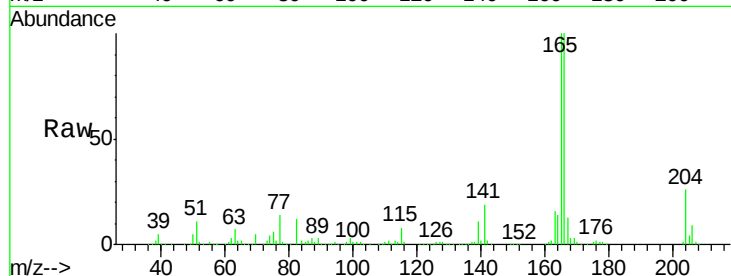
ClientSampleId :

WDS-02MS

Tot Ion:	166	Resp:	656359
Ion Ratio		Lower	Upper
166	100		
165	99.8	78.8	118.2
167	13.4	10.6	16.0

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#58

2,3,4,6-Tetrachlorophenol

Concen: 44.04 ng

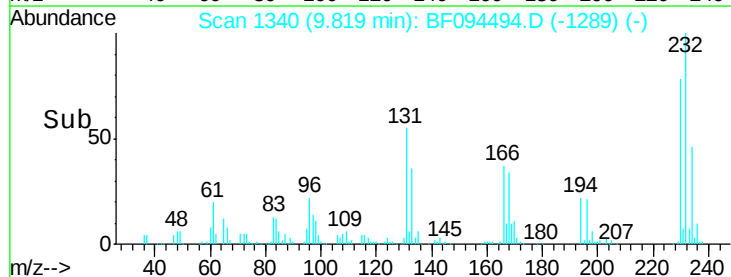
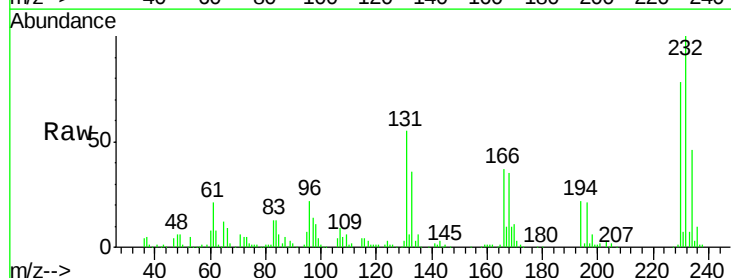
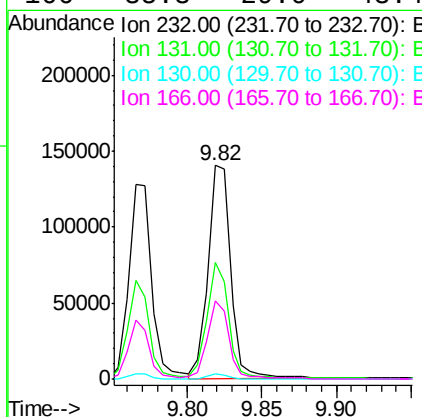
RT: 9.82 min Scan# 1340

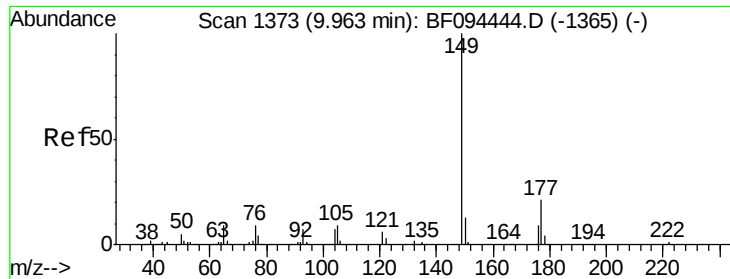
Delta R.T. -0.00 min

Lab File: BF094494.D

Acq: 18 Apr 2017 18:53

Tgt Ion:	232	Resp:	146825
Ion Ratio		Lower	Upper
232	100		
131	52.6	44.8	67.2
130	2.3	2.3	3.5
166	35.3	29.0	43.4





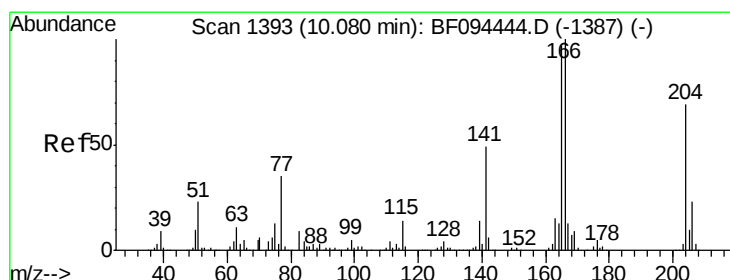
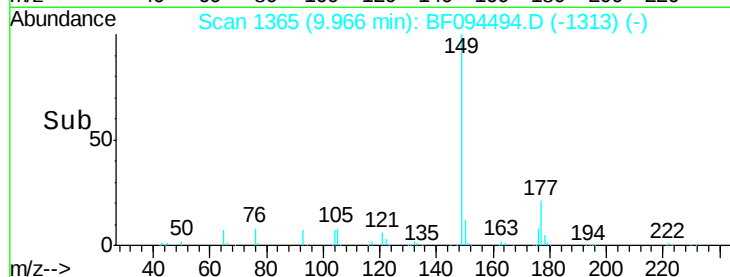
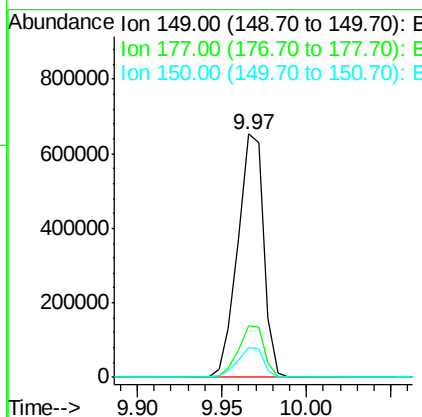
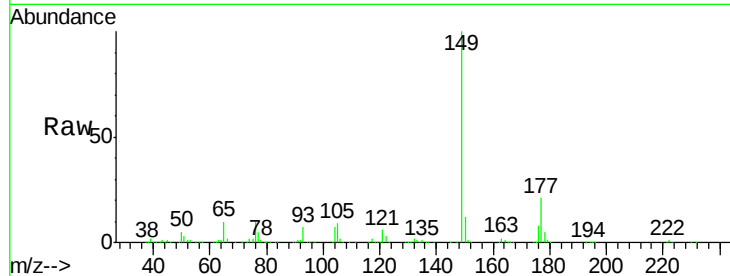
#59
Diethylphthalate
Concen: 43.91 ng
RT: 9.97 min Scan# 1365
Delta R.T. 0.00 min
Lab File: BF094494.D
Acq: 18 Apr 2017 18:53

Instrument :
BNA_F
ClientSampleId :
WDS-02MS

Tot Ion	Ratio	Lower	Upper
149	100		
177	21.2	16.7	25.1
150	12.3	10.2	15.2

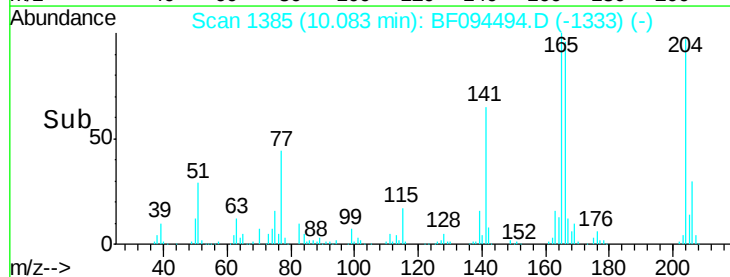
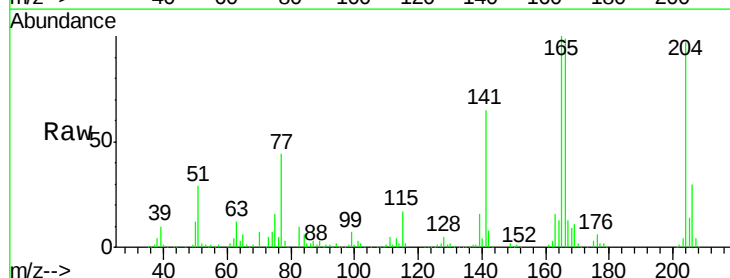
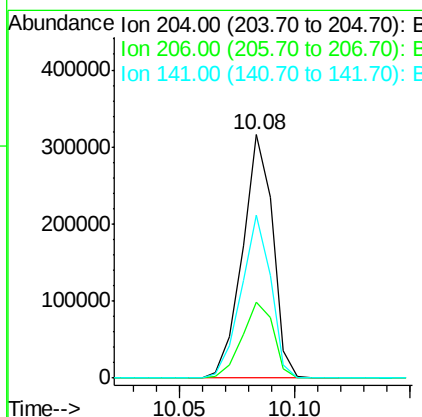
Manual Integrations
APPROVED

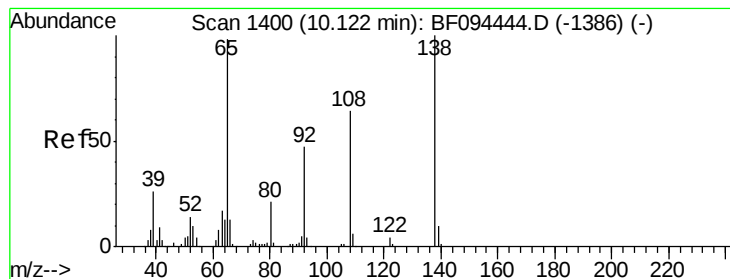
mohammad
4/19/2017 1:33:13 PM



#60
4-Chlorophenyl-phenylether
Concen: 44.84 ng
RT: 10.08 min Scan# 1385
Delta R.T. 0.00 min
Lab File: BF094494.D
Acq: 18 Apr 2017 18:53

Tgt Ion	Ratio	Lower	Upper
204	100		
206	31.2	26.2	39.2
141	67.0	60.8	91.2





#61

4-Nitroaniline

Concen: 38.92 ng

RT: 10.12 min Scan# 1392

Delta R.T. 0.00 min

Lab File: BF094494.D

Acq: 18 Apr 2017 18:53

Instrument :

BNA_F

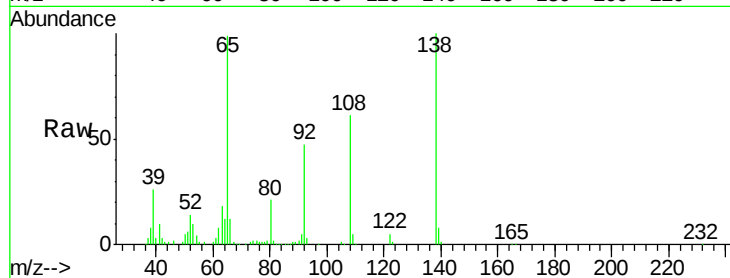
ClientSampleId :

WDS-02MS

Tot Ion:	138	Resp:	173456
Ion Ratio	Lower	Upper	
138	100		
92	46.9	21.8	61.8
108	61.3	42.3	82.3

Manual Integrations
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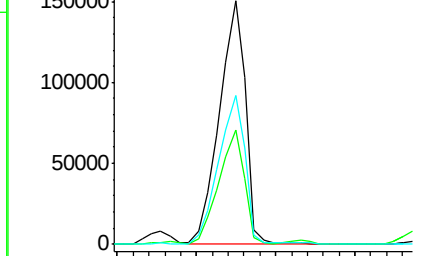
mohammad
4/19/2017 1:33:13 PM



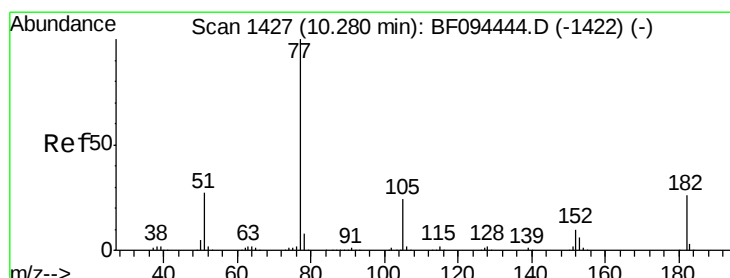
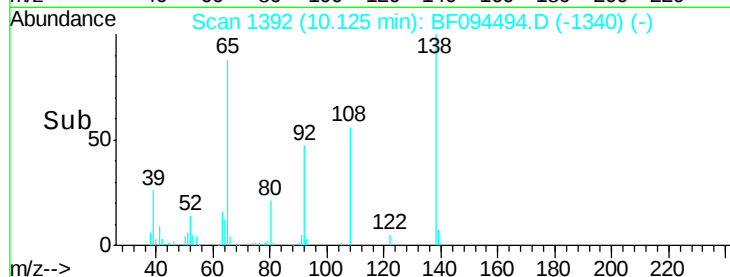
Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E



Time--> 10.05 10.10 10.15 10.20



#62

Azobenzene

Concen: 43.56 ng

RT: 10.28 min Scan# 1418

Delta R.T. -0.00 min

Lab File: BF094494.D

Acq: 18 Apr 2017 18:53

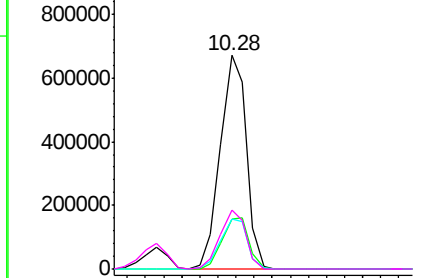
Tgt Ion:	77	Resp:	673569
Ion Ratio	Lower	Upper	
77	100		
182	23.6	0.1	40.1
105	23.5	3.6	43.6
51	27.6	9.4	49.4

Abundance Ion 77.00 (76.70 to 77.70): BF0

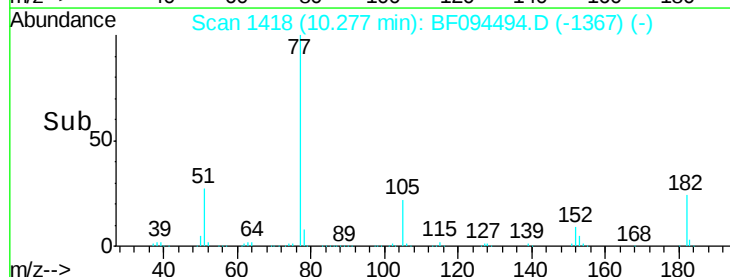
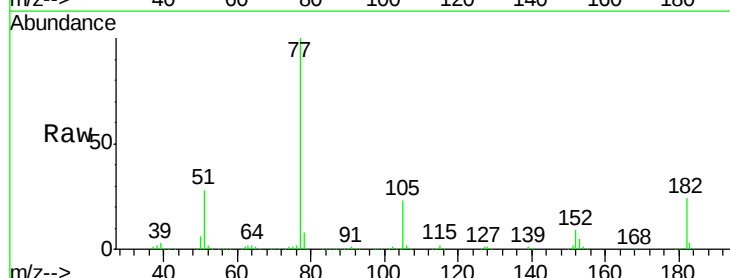
Ion 182.00 (181.70 to 182.70): E

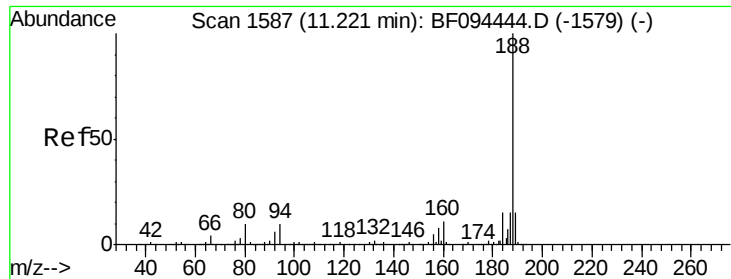
Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



Time--> 10.25 10.30 10.35





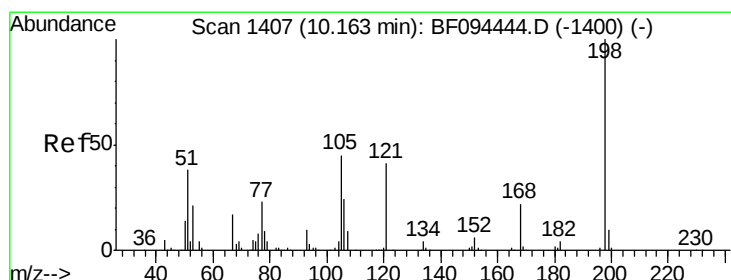
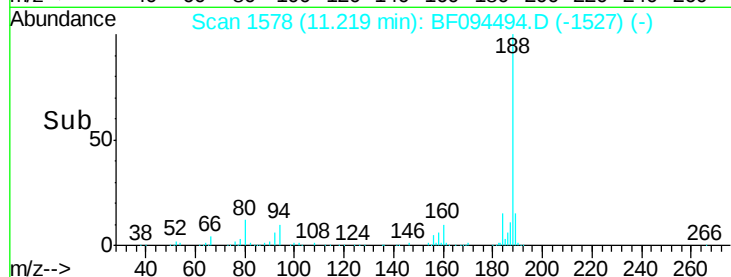
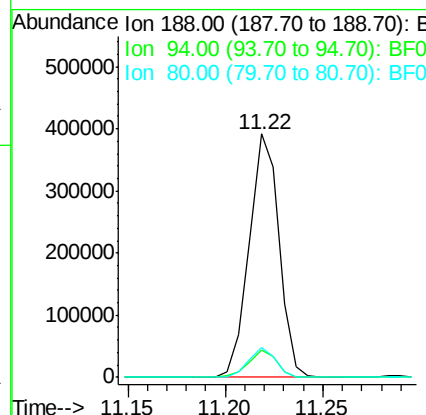
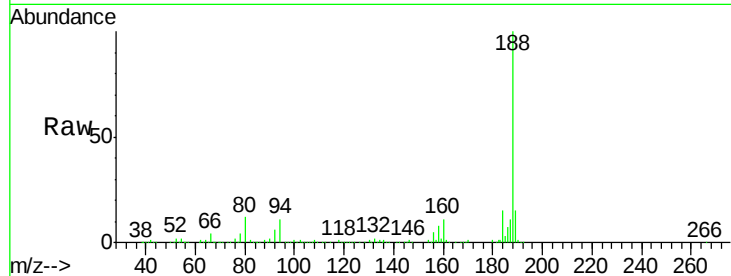
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.22 min Scan# 1578
Delta R.T. -0.00 min
Lab File: BF094494.D
Acq: 18 Apr 2017 18:53

Instrument :
BNA_F
ClientSampleId :
WDS-02MS

Tot Ion	Ratio	Resp	Lower	Upper
188	100	414381		
94	11.0		9.4	14.2
80	12.3		10.2	15.2

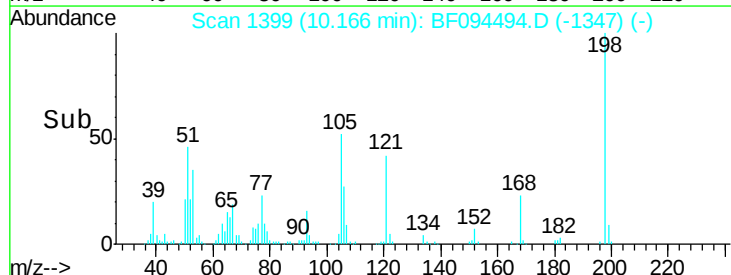
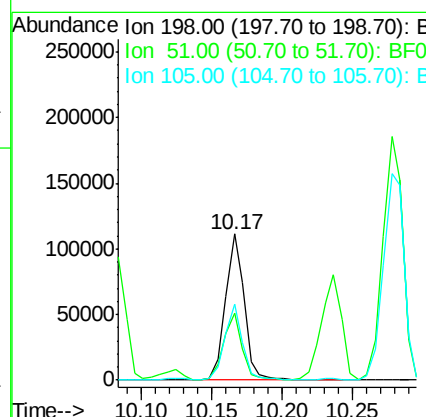
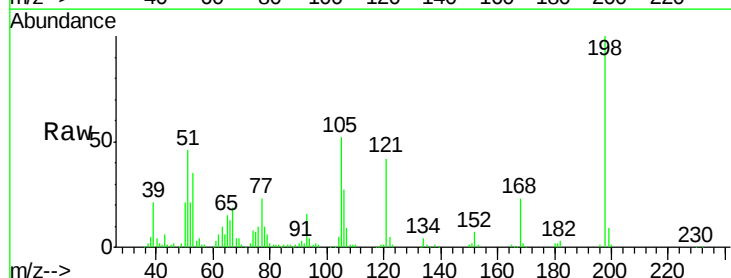
Manual Integrations
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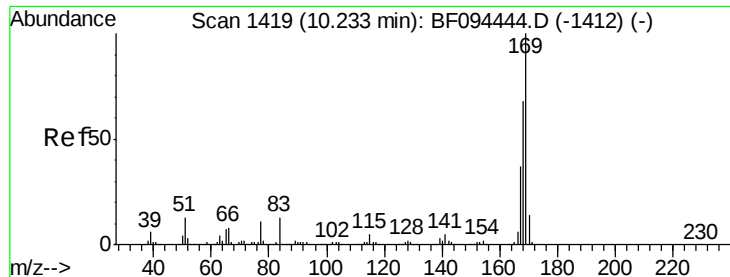
mohammad
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#64
4,6-Dinitro-2-methylphenol
Concen: 37.94 ng
RT: 10.17 min Scan# 1399
Delta R.T. 0.00 min
Lab File: BF094494.D
Acq: 18 Apr 2017 18:53

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	103014		
51	45.9		53.2	93.2#
105	51.7		45.8	85.8





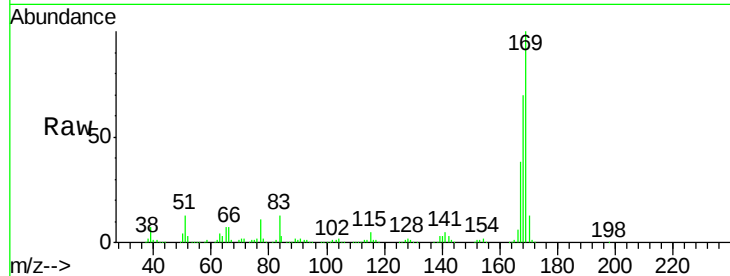
#65
n-Nitrosodiphenylamine
Concen: 41.89 ng
RT: 10.24 min Scan# 1411
Delta R.T. 0.00 min
Lab File: BF094494.D
Acq: 18 Apr 2017 18:53

Instrument :
BNA_F
ClientSampleId :
WDS-02MS

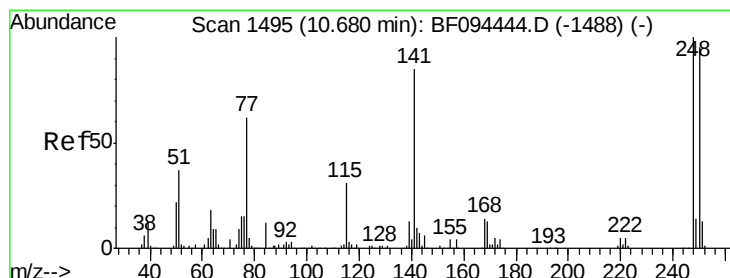
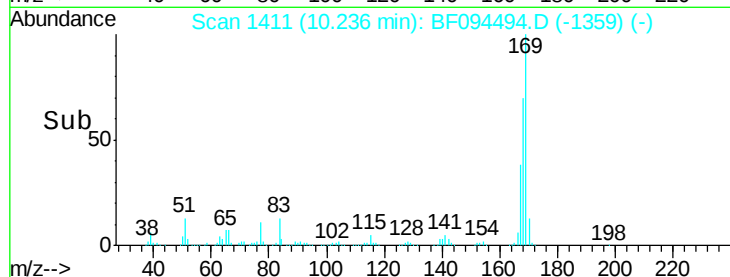
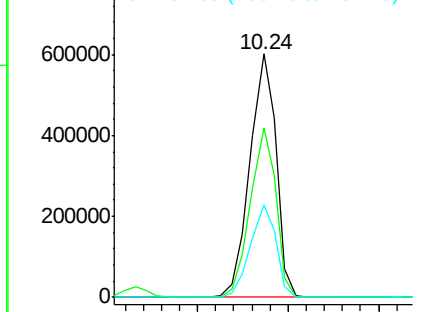
Tot Ion	Ion	Ratio	Resp	Lower	Upper
169	100		603717		
168	69.7	53.2		79.8	
167	38.2	29.5		44.3	

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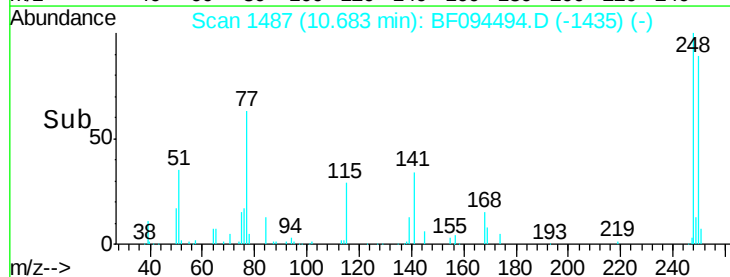
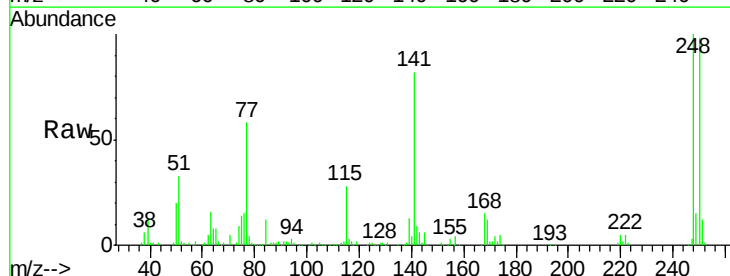
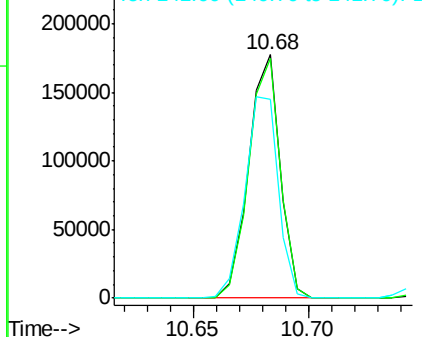
Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

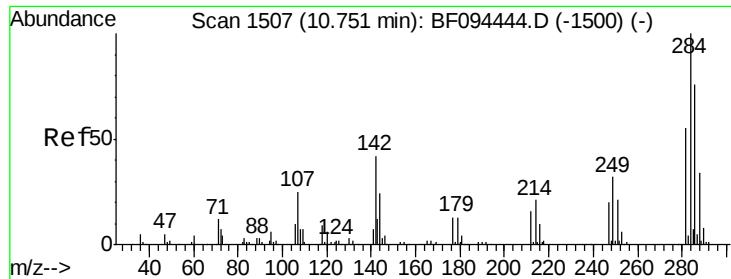


#66
4-Bromophenyl-phenylether
Concen: 41.16 ng
RT: 10.68 min Scan# 1487
Delta R.T. 0.00 min
Lab File: BF094494.D
Acq: 18 Apr 2017 18:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
248	100		169359		
250	98.4	76.8		115.2	
141	81.8	68.6		103.0	

Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E





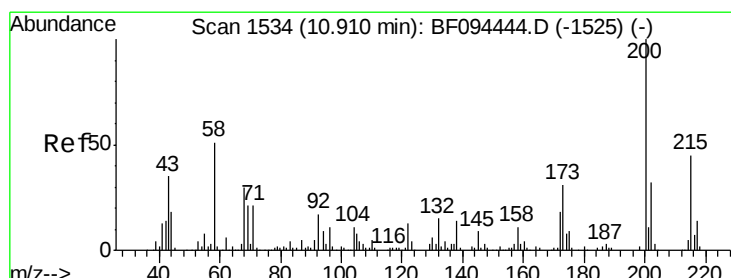
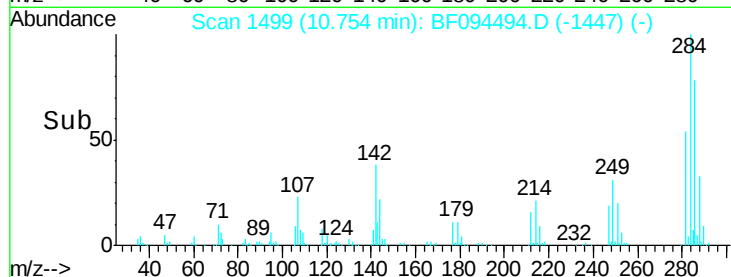
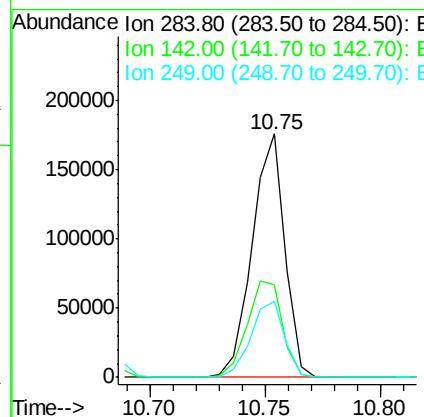
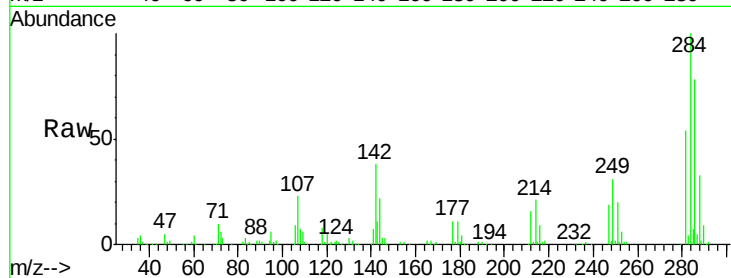
#67
Hexachlorobenzene
Concen: 41.76 ng
RT: 10.75 min Scan# 1499
Delta R.T. 0.00 min
Lab File: BF094494.D
Acq: 18 Apr 2017 18:53

Instrument :
BNA_F
ClientSampleId :
WDS-02MS

Tot Ion	Ratio	Resp	Lower	Upper
284	100	173174		
142	37.9	22.8	34.2	
249	31.4	24.0	36.0	

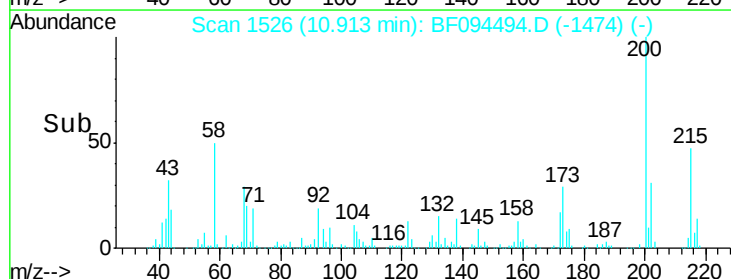
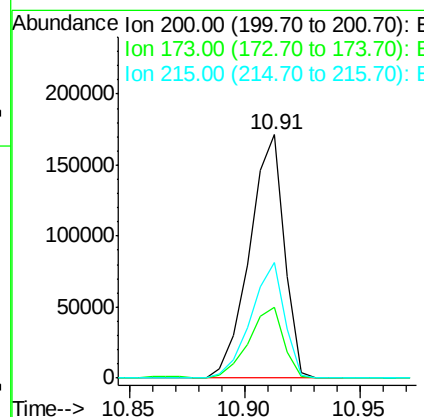
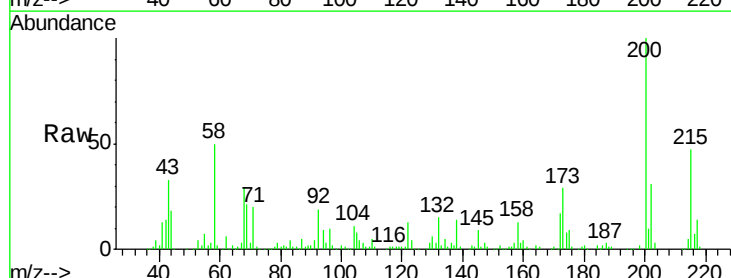
Manual Integrations
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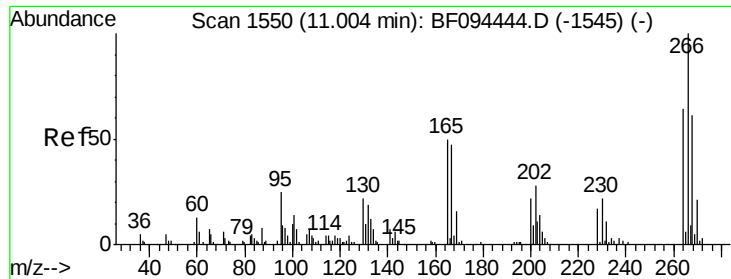
mohammad
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#68
Atrazine
Concen: 41.73 ng
RT: 10.91 min Scan# 1526
Delta R.T. 0.00 min
Lab File: BF094494.D
Acq: 18 Apr 2017 18:53

Tgt Ion	Ratio	Resp	Lower	Upper
200	100	179908		
173	29.1	6.3	46.3	
215	47.3	27.2	67.2	





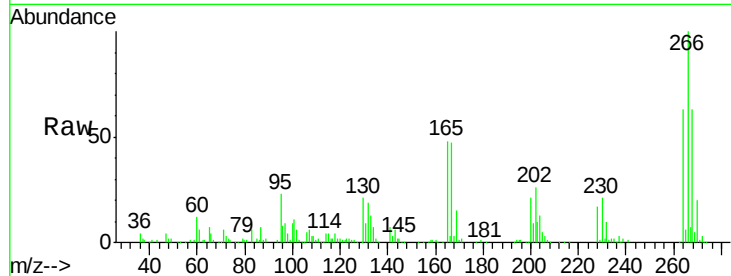
#69
 Pentachlorophenol
 Concen: 93.65 ng
 RT: 11.01 min Scan# 1542
 Delta R.T. 0.00 min
 Lab File: BF094494.D
 Acq: 18 Apr 2017 18:53

Instrument :
 BNA_F
 ClientSampleId :
 WDS-02MS

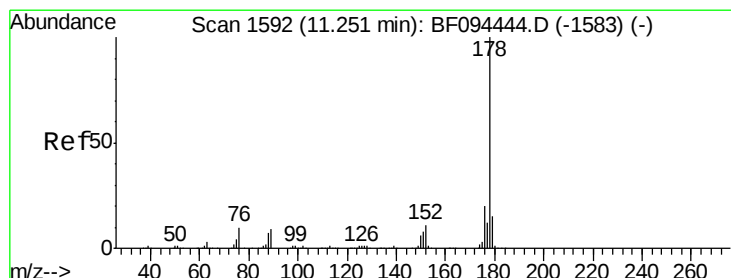
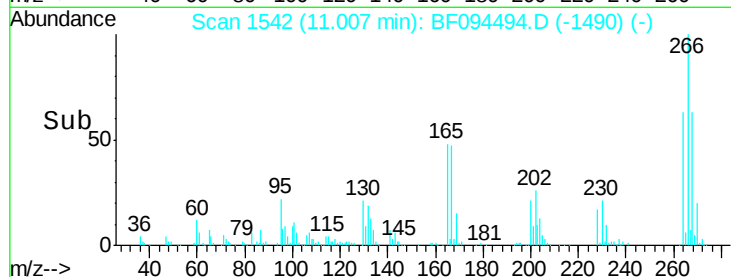
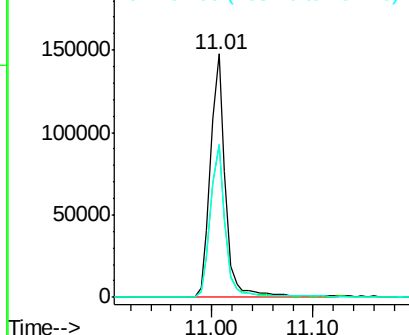
Tot Ion	Ratio	Resp	Lower	Upper
266	100	154195		
268	62.8	51.1	76.7	
264	62.7	51.7	77.5	

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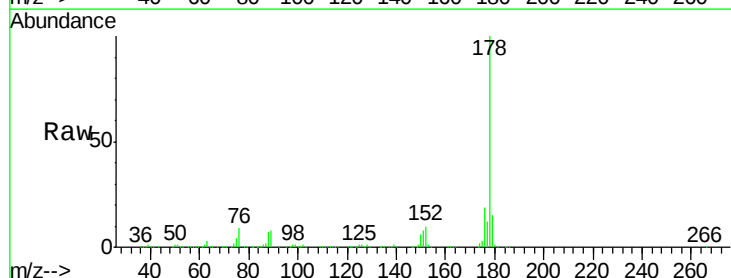


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

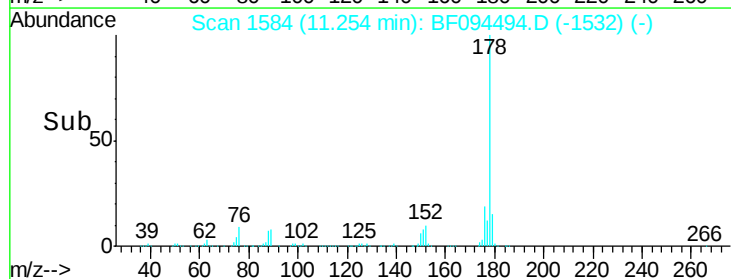
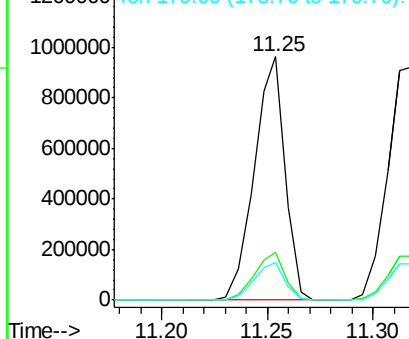


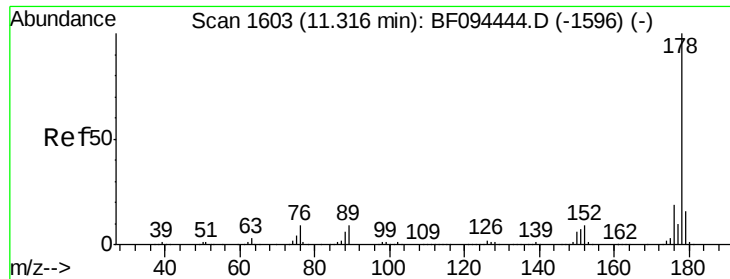
#70
 Phenanthrene
 Concen: 41.59 ng
 RT: 11.25 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: BF094494.D
 Acq: 18 Apr 2017 18:53

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	970404		
176	19.5	16.2	24.4	
179	15.2	12.6	19.0	



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





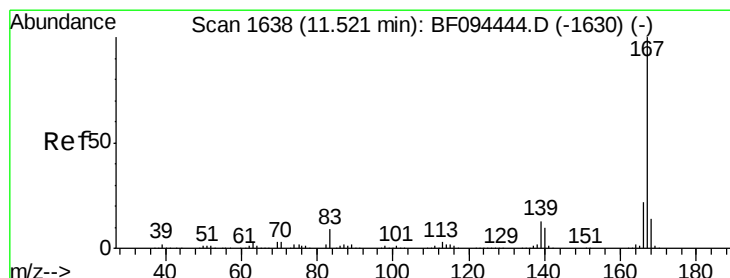
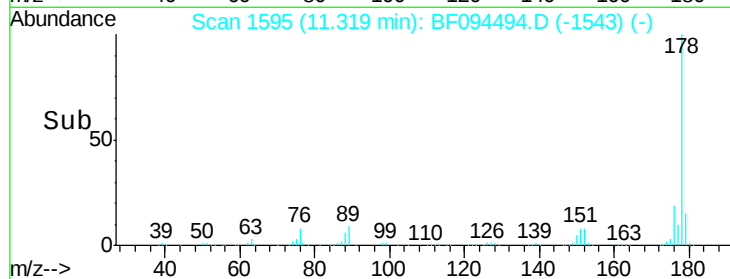
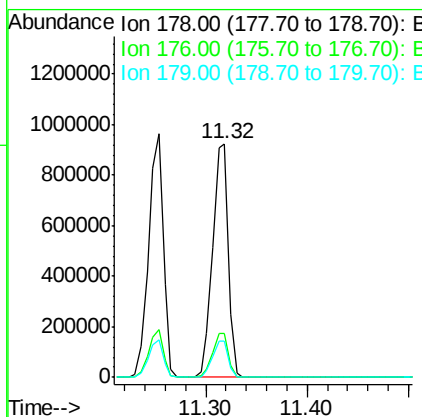
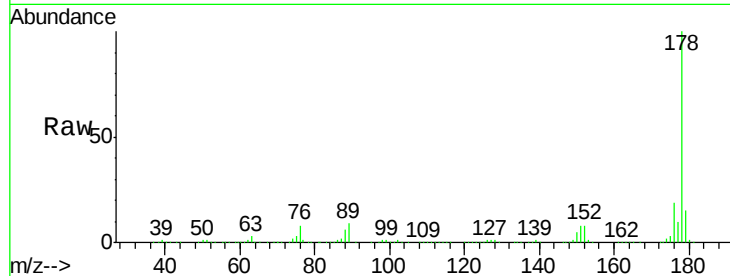
#71
 Anthracene
 Concen: 41.26 ng
 RT: 11.32 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: BF094494.D
 Acq: 18 Apr 2017 18:53

Instrument :
 BNA_F
 ClientSampleId :
 WDS-02MS

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.8	23.8
179	15.4	12.7	19.1

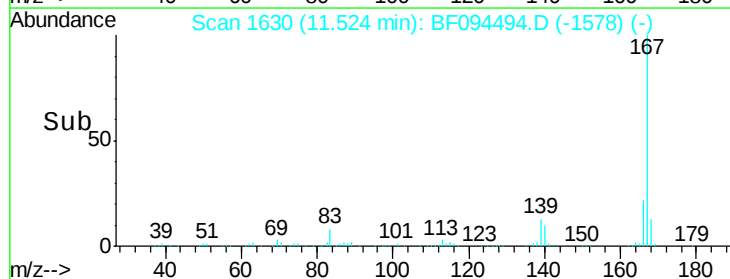
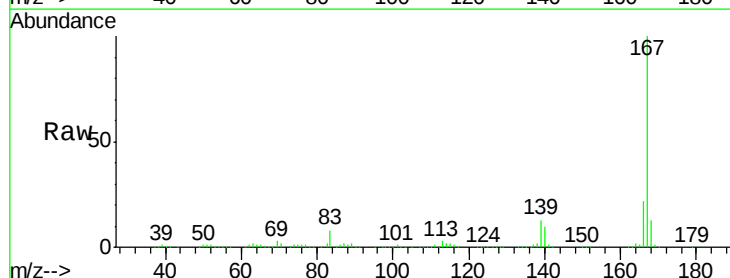
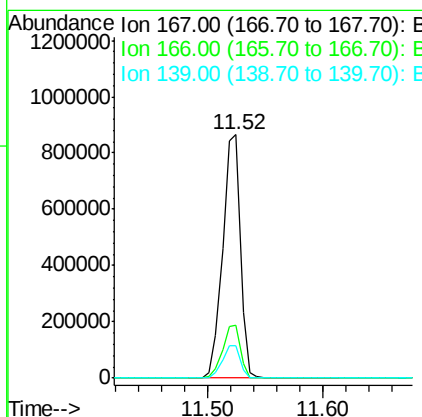
Manual Integrations
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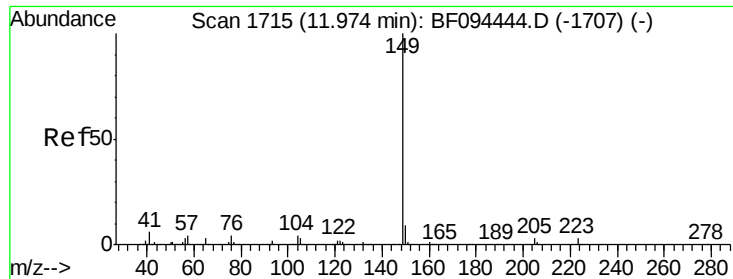
mohammad
 4/19/2017 1:33:13 PM



#72
 Carbazole
 Concen: 40.82 ng
 RT: 11.52 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: BF094494.D
 Acq: 18 Apr 2017 18:53

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.8	18.1	27.1
139	13.1	11.7	17.5





#73

Di-n-butylphthalate

Concen: 45.13 ng

RT: 11.97 min Scan# 1706

Delta R.T. -0.00 min

Lab File: BF094494.D

Acq: 18 Apr 2017 18:53

Instrument :

BNA_F

ClientSampleId :

WDS-02MS

Tot Ion:149 Resp: 1125750

Ion Ratio Lower Upper

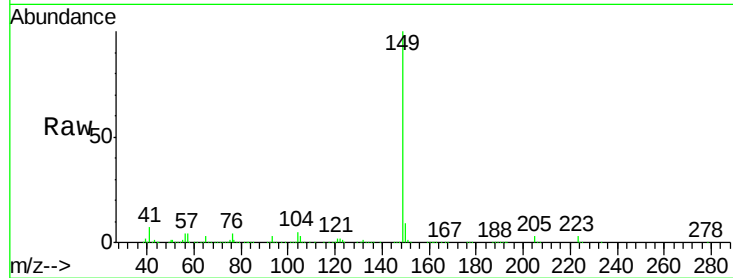
149 100

150 9.0 7.7 11.5

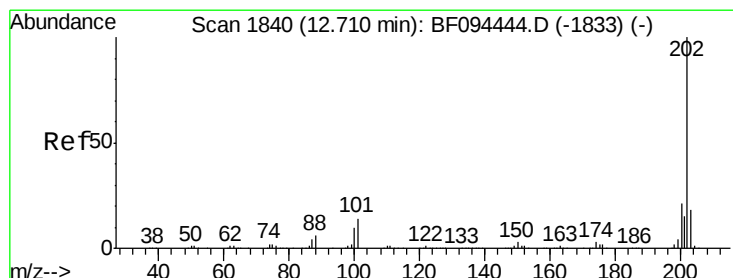
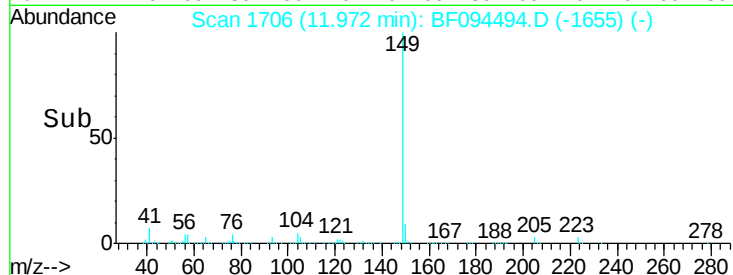
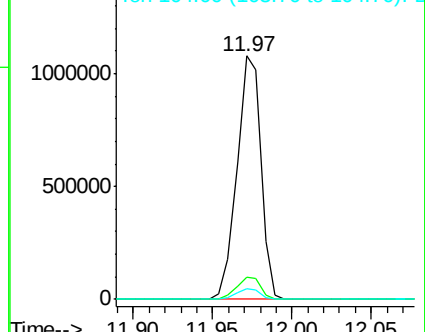
104 4.6 4.0 6.0

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 40.34 ng

RT: 12.71 min Scan# 1832

Delta R.T. 0.00 min

Lab File: BF094494.D

Acq: 18 Apr 2017 18:53

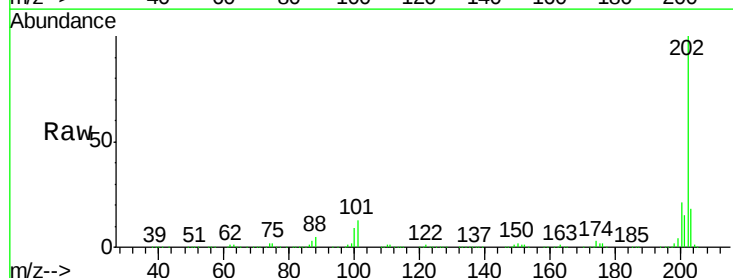
Tgt Ion:202 Resp: 975513

Ion Ratio Lower Upper

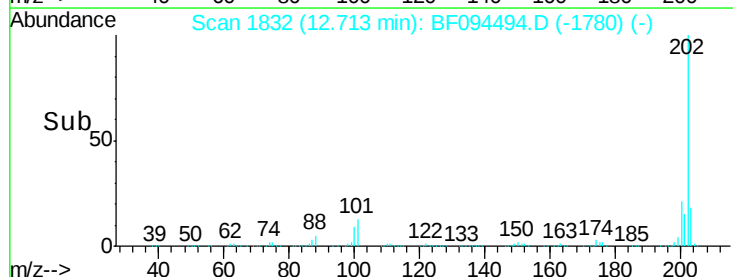
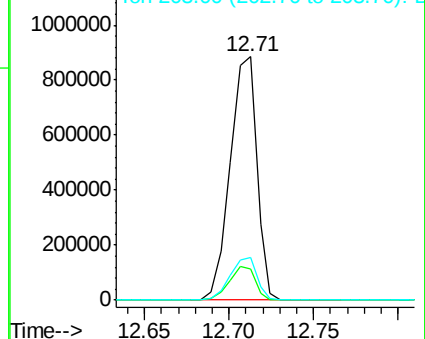
202 100

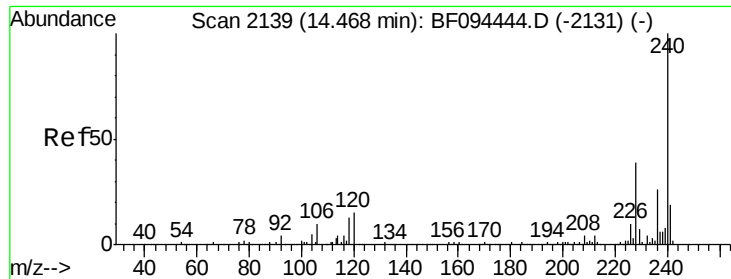
101 12.6 0.0 33.2

203 17.5 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.47 min Scan# 2130

Delta R.T. -0.00 min

Lab File: BF094494.D

Acq: 18 Apr 2017 18:53

Instrument :

BNA_F

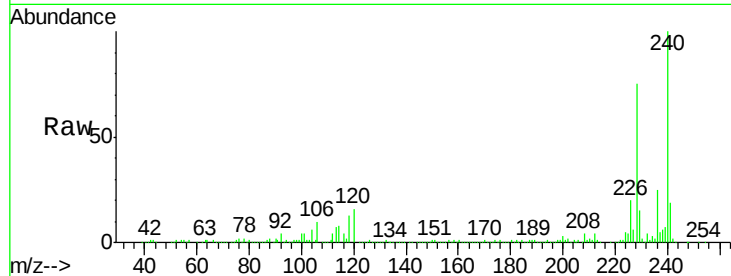
ClientSampleId :

WDS-02MS

Tot Ion	Ratio	Lower	Upper
240	100		
120	16.2	5.8	8.8#
236	24.9	20.5	30.7

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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

14.47

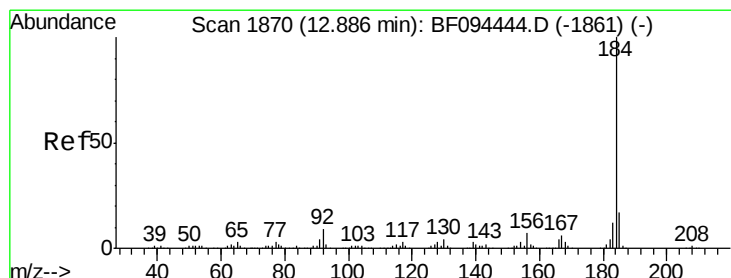
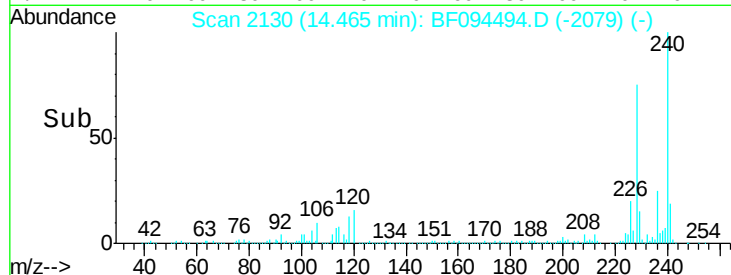
300000

200000

100000

0

Time-->



#76

Benzidine

Concen: 29.84 ng

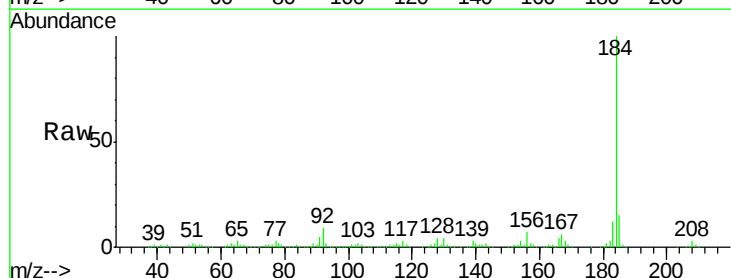
RT: 12.88 min Scan# 1861

Delta R.T. -0.00 min

Lab File: BF094494.D

Acq: 18 Apr 2017 18:53

Tgt Ion	Ratio	Lower	Upper
184	100		
185	15.0	15.5	23.3#
183	12.4	9.8	14.6



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

12.88

400000

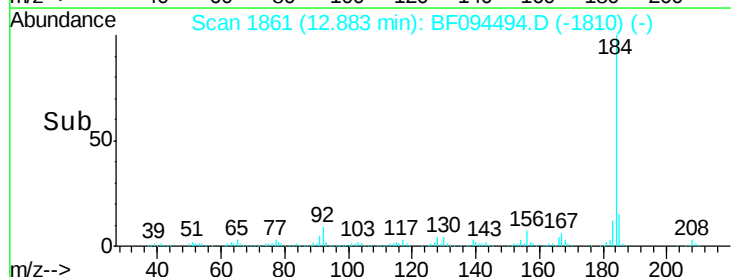
300000

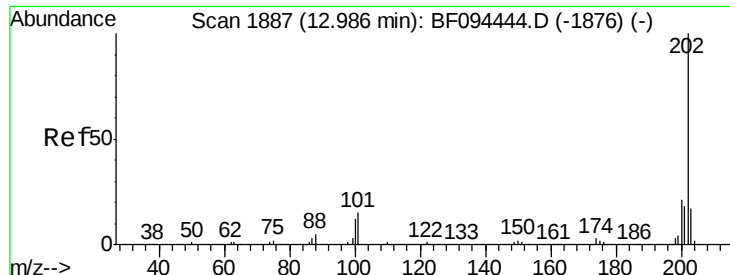
200000

100000

0

Time-->





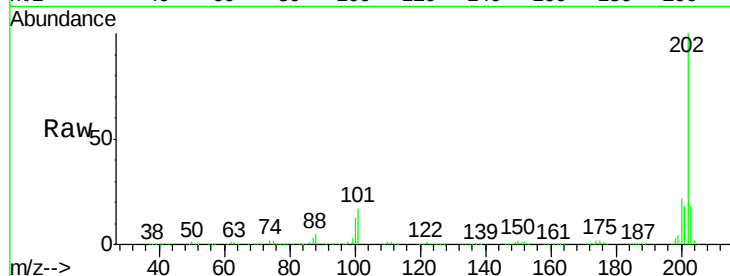
#77
Pvrene
Concen: 47.94 ng
RT: 12.98 min Scan# 1878
Delta R.T. -0.00 min
Lab File: BF094494.D
Acq: 18 Apr 2017 18:53

Instrument :
BNA_F
ClientSampleID :
WDS-02MS

Tot Ion	Ratio	Resp	Lower	Upper
202	100	956847		
200	21.6		17.6	26.4
203	18.1		14.4	21.6

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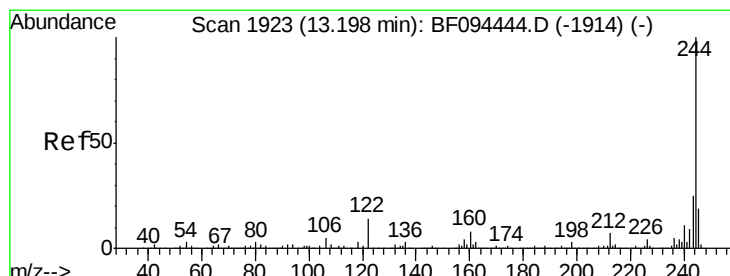
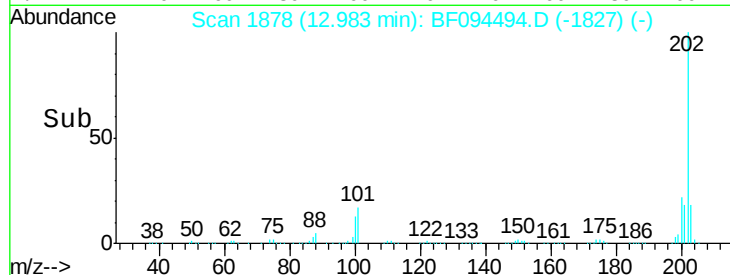
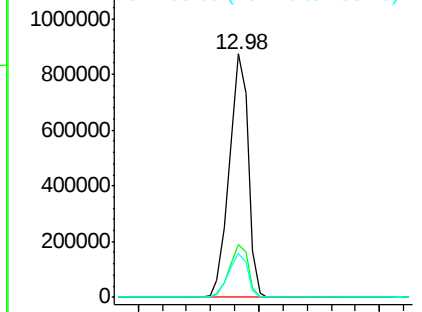


Abundance

Ion 202.00 (201.70 to 202.70): E

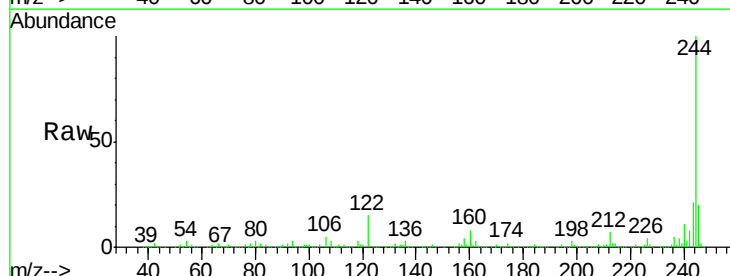
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78
Terphenyl-d14
Concen: 98.86 ng
RT: 13.19 min Scan# 1914
Delta R.T. -0.00 min
Lab File: BF094494.D
Acq: 18 Apr 2017 18:53

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	1056623		
212	7.3		6.0	9.0
122	14.7		10.3	15.5

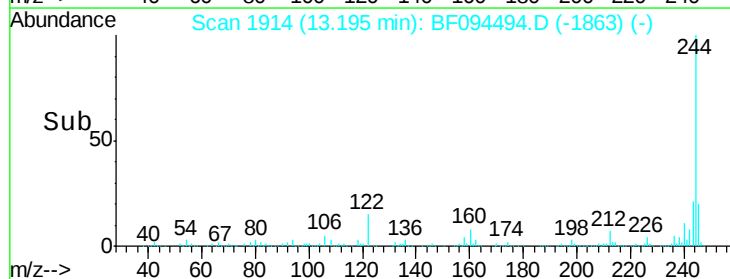
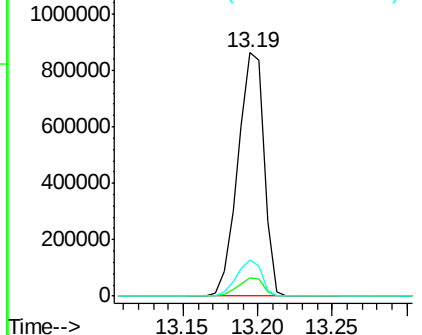


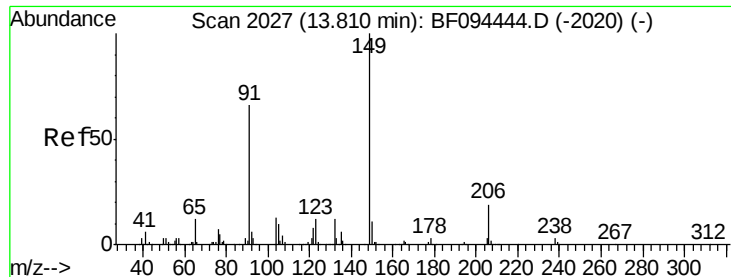
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





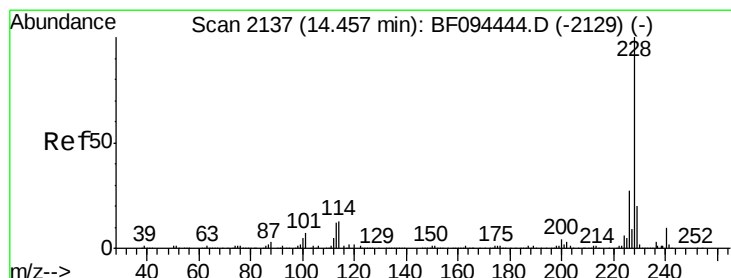
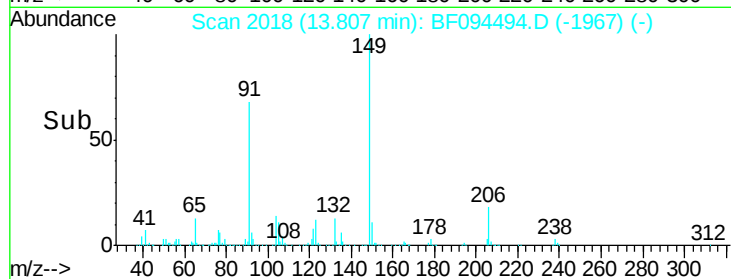
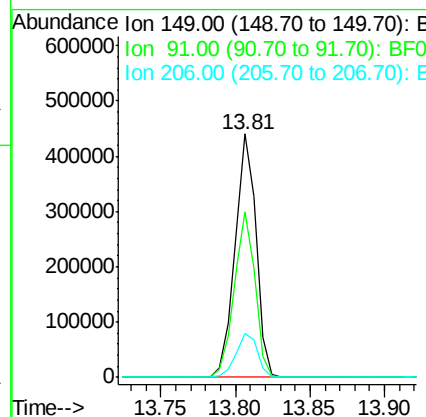
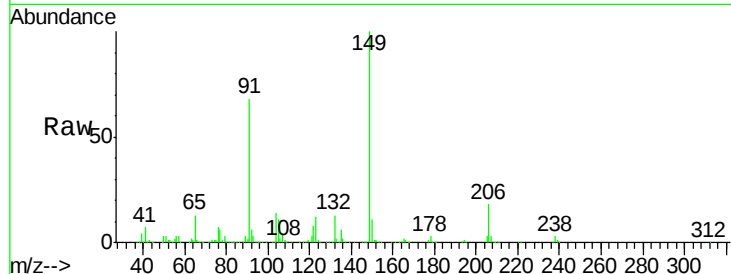
#79
Butylbenzylphthalate
Concen: 50.53 ng
RT: 13.81 min Scan# 2018
Delta R.T. -0.00 min
Lab File: BF094494.D
Acq: 18 Apr 2017 18:53

Instrument :
BNA_F
ClientSampleID :
WDS-02MS

Tot Ion	Ratio	Lower	Upper
149	100		
91	68.0	45.0	67.4#
206	18.1	17.0	25.6

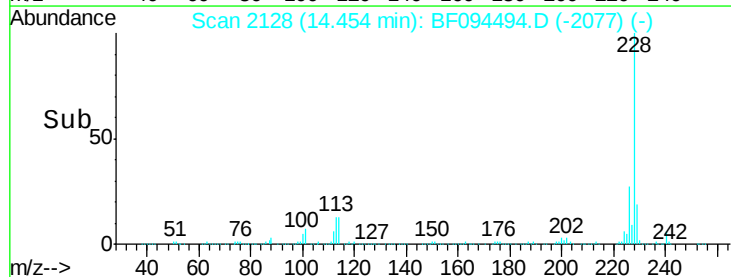
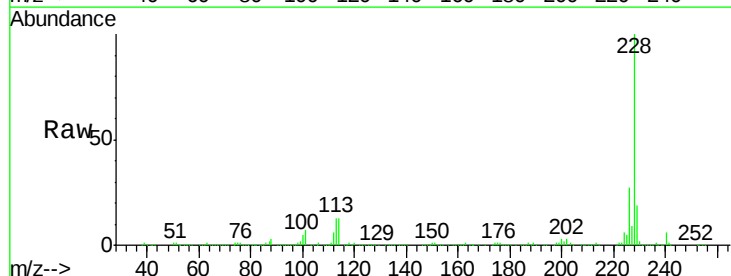
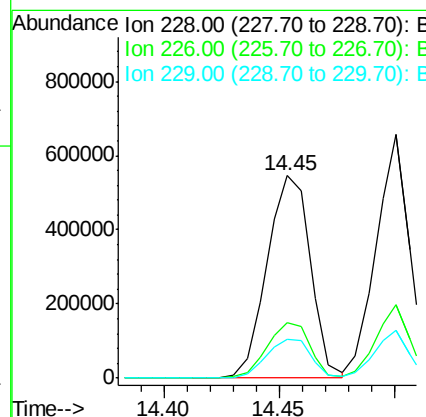
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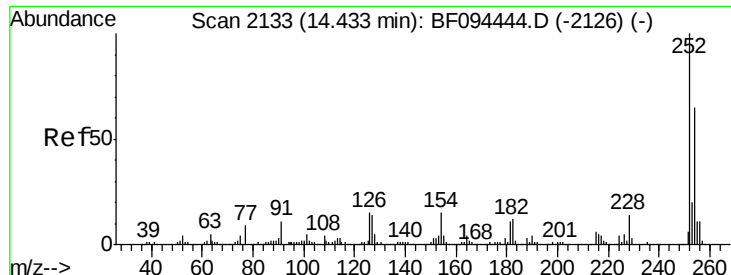
mohammad
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#80
Benzo(a)anthracene
Concen: 42.68 ng
RT: 14.45 min Scan# 2128
Delta R.T. -0.00 min
Lab File: BF094494.D
Acq: 18 Apr 2017 18:53

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.3	22.6	33.8
229	19.4	16.3	24.5





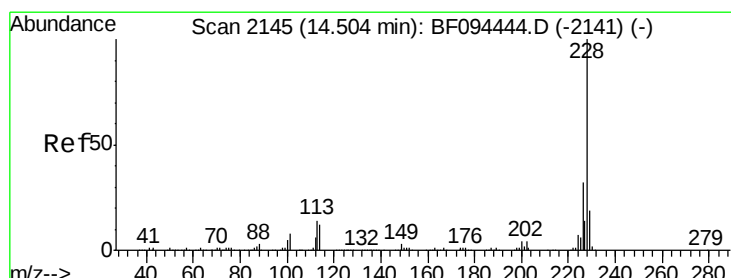
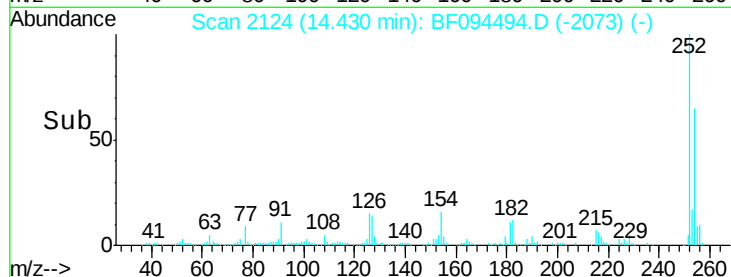
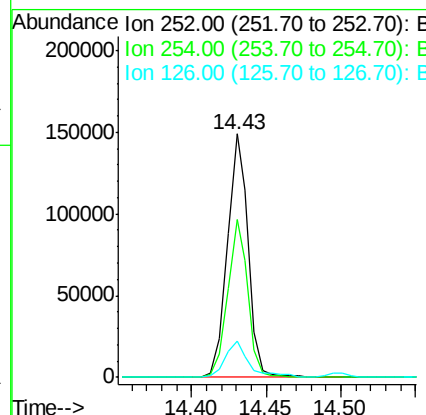
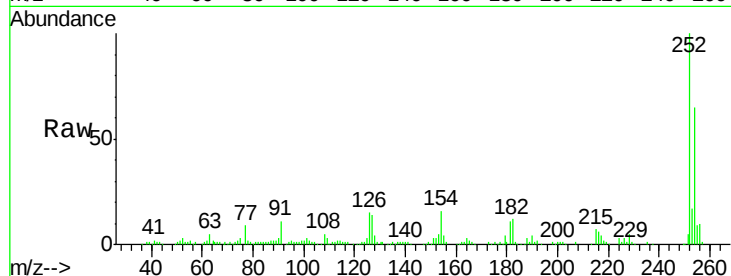
#81
 3,3'-Dichlorobenzidine
 Concen: 25.02 ng
 RT: 14.43 min Scan# 2124
 Delta R.T. -0.00 min
 Lab File: BF094494.D
 Acq: 18 Apr 2017 18:53

Instrument :
 BNA_F
 ClientSampleId :
 WDS-02MS

Tot Ion	Ratio	Resp	Lower	Upper
252	100	147083		
254	64.9	51.5	77.3	
126	15.0	15.8	23.8	

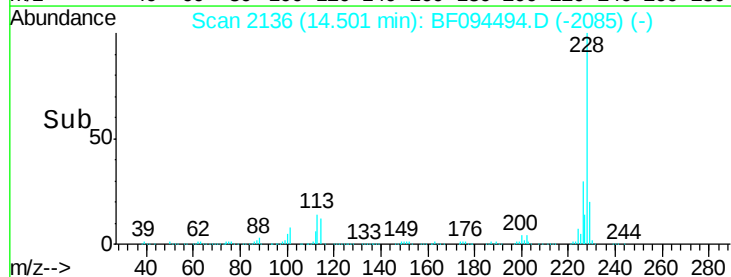
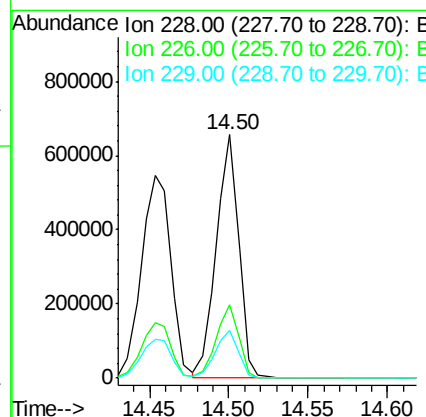
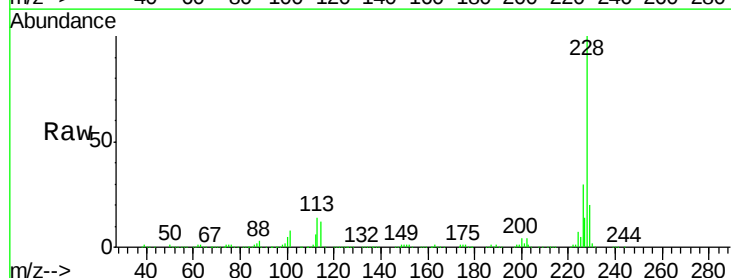
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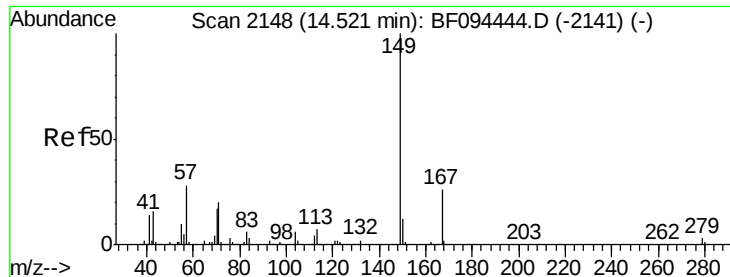
mohammad
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#82
 Chrysene
 Concen: 42.82 ng
 RT: 14.50 min Scan# 2136
 Delta R.T. -0.00 min
 Lab File: BF094494.D
 Acq: 18 Apr 2017 18:53

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	649812		
226	30.4	24.9	37.3	
229	19.8	15.8	23.6	





#83

Bis(2-ethylhexyl)phthalate

Concen: 50.34 ng

RT: 14.52 min Scan# 2140

Delta R.T. 0.00 min

Lab File: BF094494.D

Acq: 18 Apr 2017 18:53

Instrument :

BNA_F

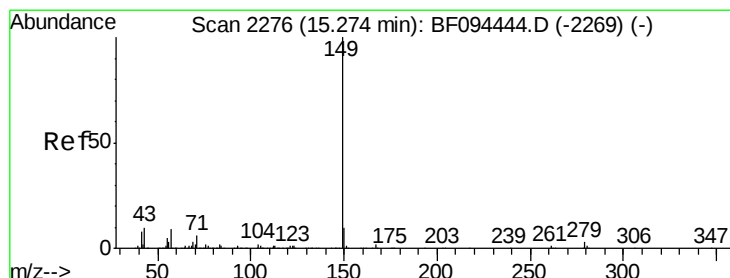
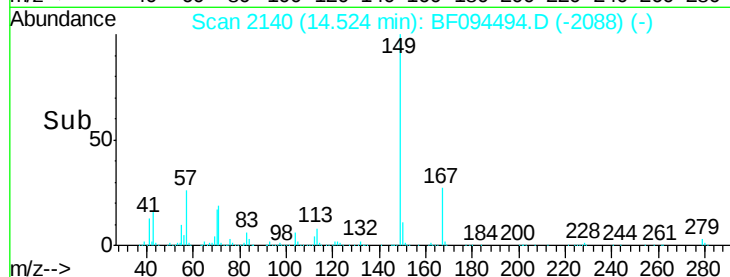
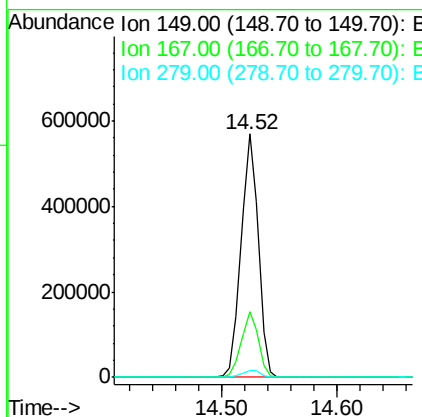
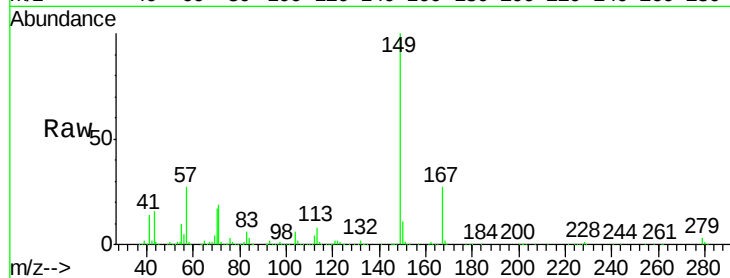
ClientSampleId :

WDS-02MS

Tot Ion	Ratio	Resp	Lower	Upper
149	100	591293		
167	27.1	21.0	31.4	
279	3.0	1.9	2.9#	

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#84

Di-n-octyl phthalate

Concen: 47.50 ng

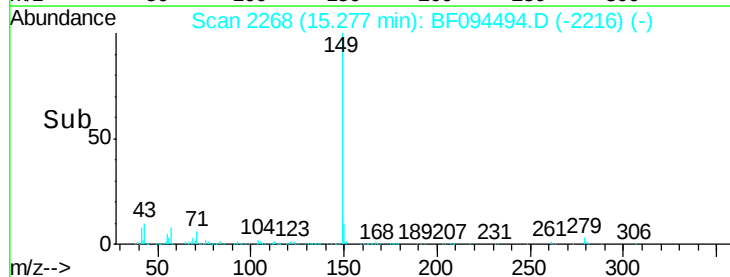
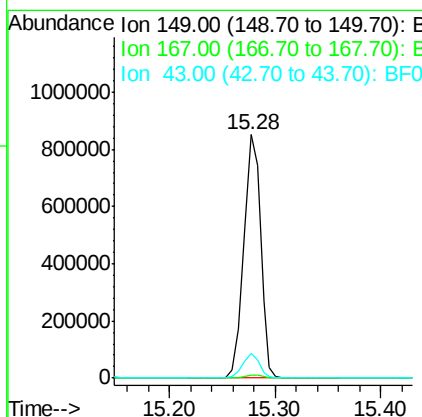
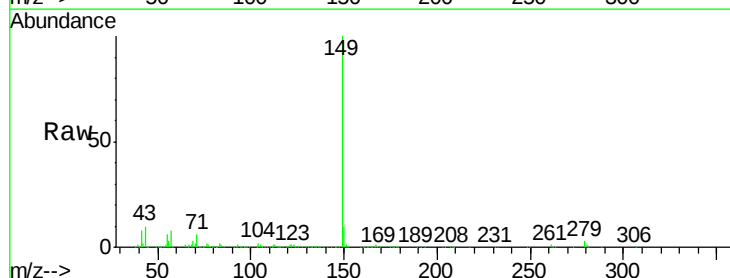
RT: 15.28 min Scan# 2268

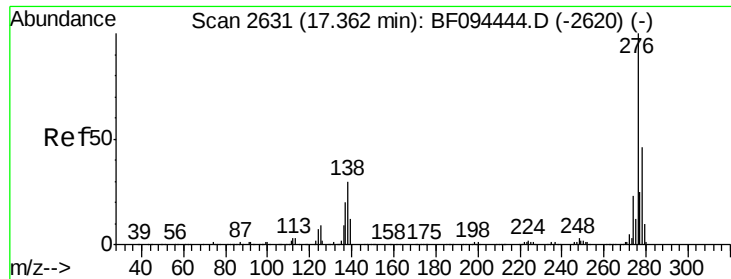
Delta R.T. 0.00 min

Lab File: BF094494.D

Acq: 18 Apr 2017 18:53

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	935890		
167	1.6	1.2	1.8	
43	9.4	8.5	12.7	





#85

Indeno(1,2,3-cd)pyrene

Concen: 51.00 ng

RT: 17.37 min Scan# 2624

Delta R.T. 0.01 min

Lab File: BF094494.D

Acq: 18 Apr 2017 18:53

Instrument :

BNA_F

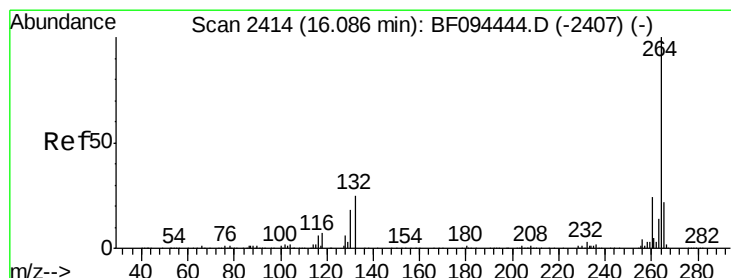
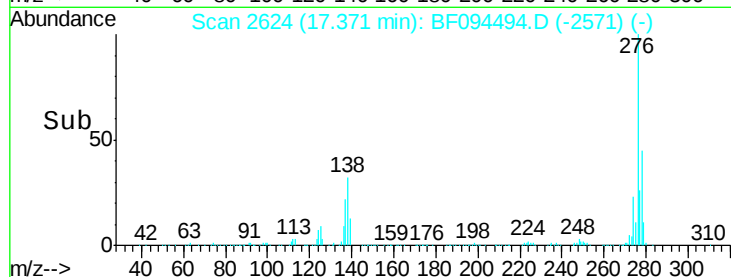
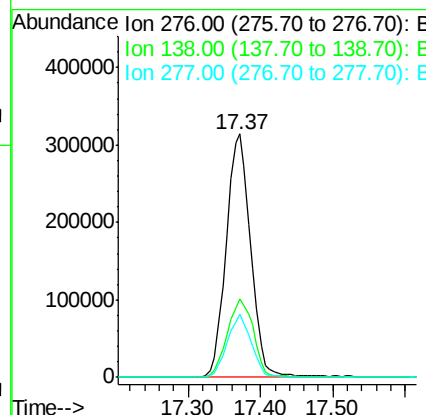
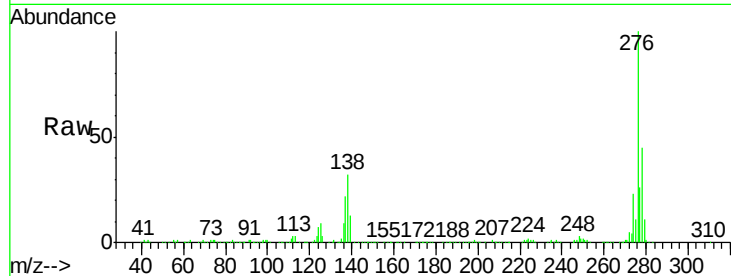
ClientSampleId :

WDS-02MS

Tot Ion:	276	Resp:	736448
Ion Ratio	Lower	Upper	
276	100		
138	34.6	27.8	41.6
277	25.6	20.2	30.4

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#86

Perylene-d12

Concen: 20.00 ng

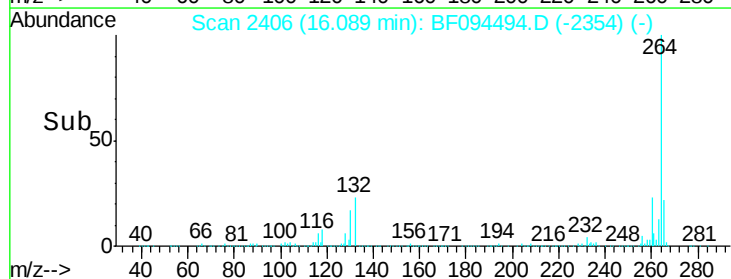
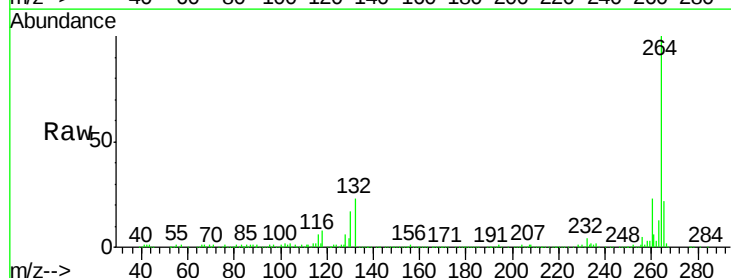
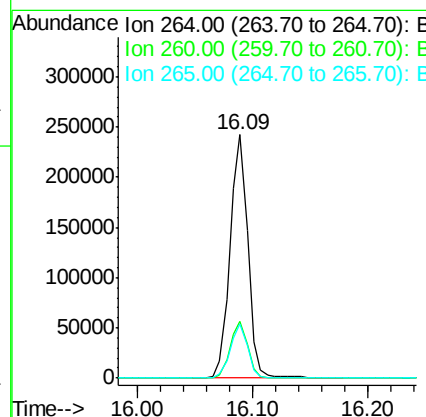
RT: 16.09 min Scan# 2406

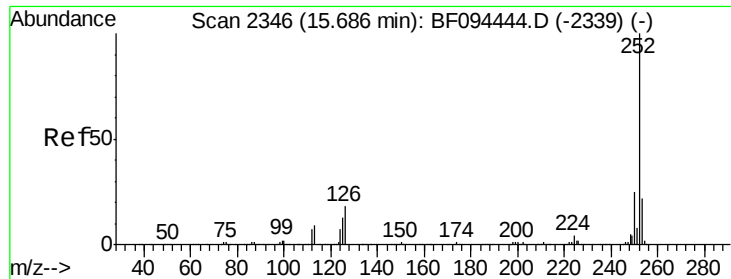
Delta R.T. 0.00 min

Lab File: BF094494.D

Acq: 18 Apr 2017 18:53

Tgt Ion:	264	Resp:	259213
Ion Ratio	Lower	Upper	
264	100		
260	23.3	19.5	29.3
265	22.4	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 43.51 ng

RT: 15.69 min Scan# 2338

Delta R.T. 0.00 min

Lab File: BF094494.D

Acq: 18 Apr 2017 18:53

Instrument :

BNA_F

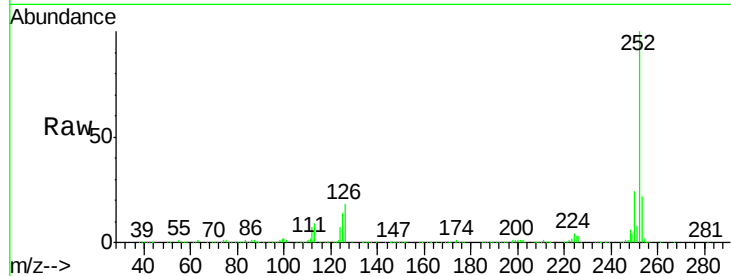
ClientSampleId :

WDS-02MS

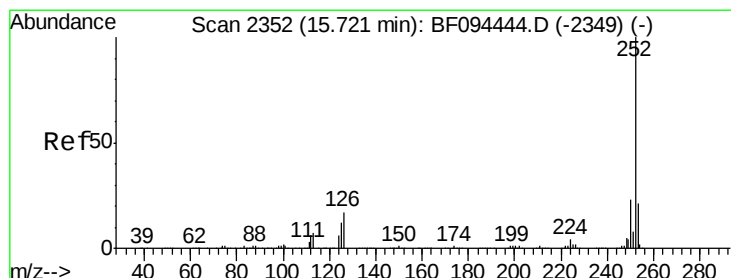
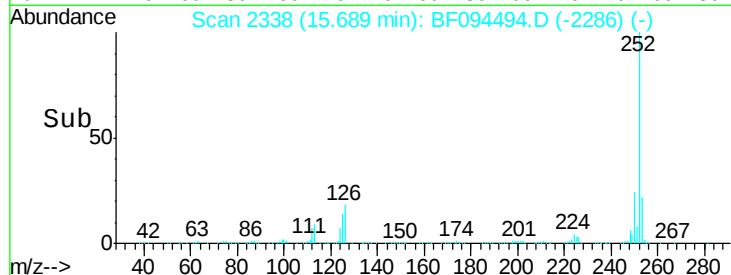
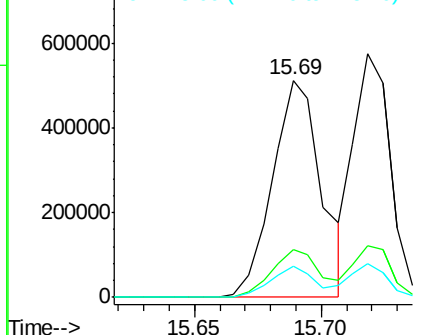
Tot Ion:	252	Resp:	689988
Ion Ratio	Lower	Upper	
252	100		
253	21.9	18.1	27.1
125	14.1	9.8	14.8

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 38.71 ng

RT: 15.72 min Scan# 2343

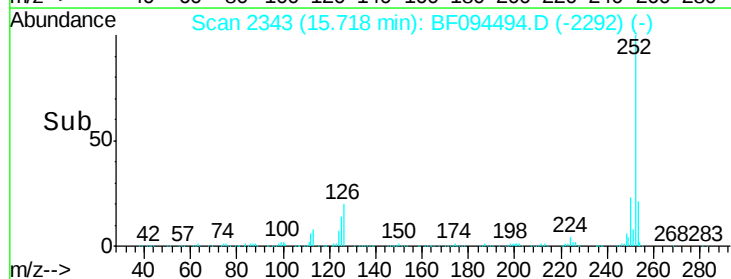
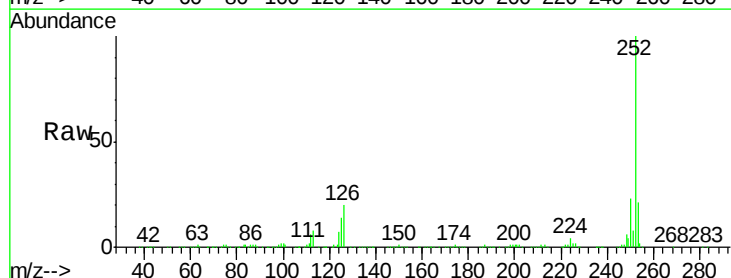
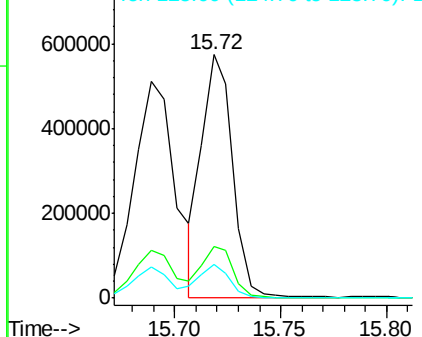
Delta R.T. -0.00 min

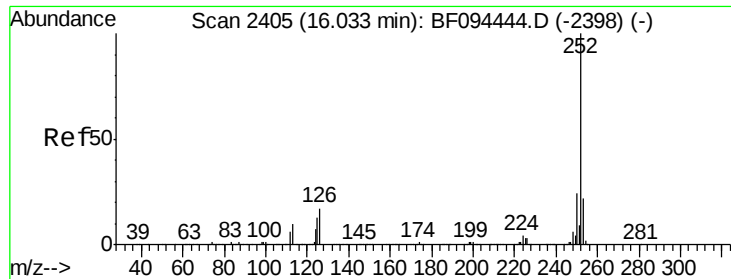
Lab File: BF094494.D

Acq: 18 Apr 2017 18:53

Tgt Ion:	252	Resp:	580851
Ion Ratio	Lower	Upper	
252	100		
253	21.2	18.4	27.6
125	13.7	13.1	19.7

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





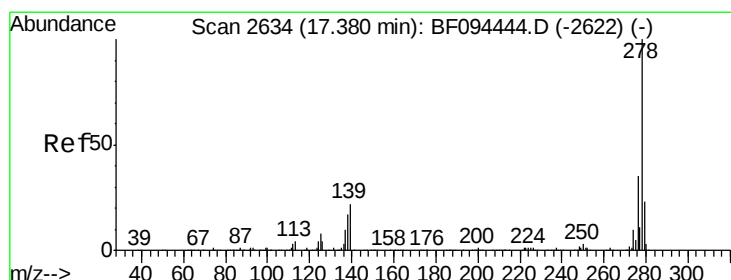
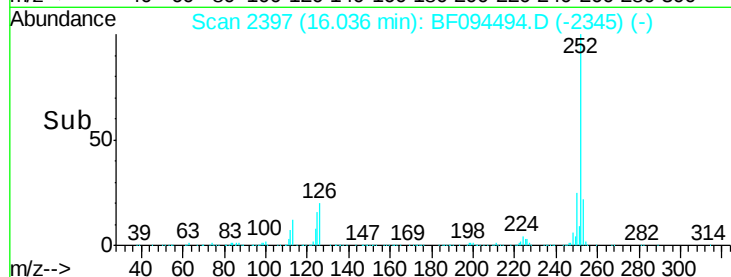
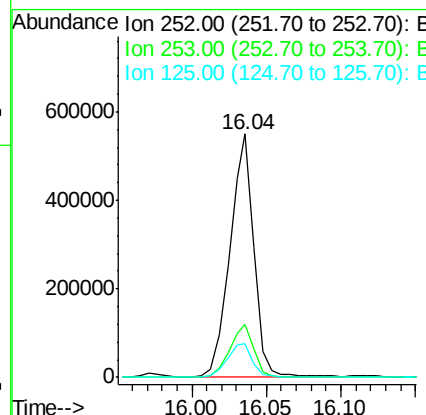
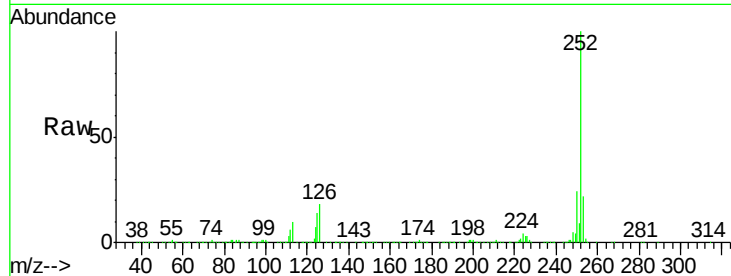
#89
Benzo(a)pyrene
Concen: 42.05 ng
RT: 16.04 min Scan# 2397
Delta R.T. 0.00 min
Lab File: BF094494.D
Acq: 18 Apr 2017 18:53

Instrument :
BNA_F
ClientSampleId :
WDS-02MS

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.5	26.3
125	13.9	11.0	16.4

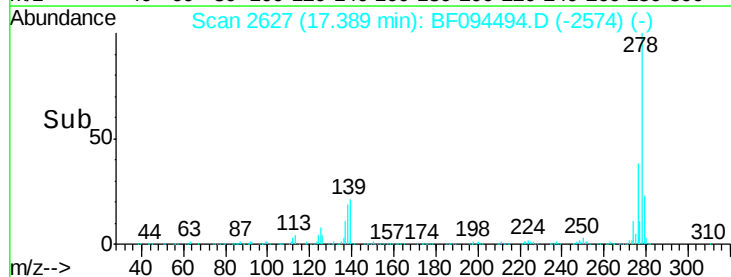
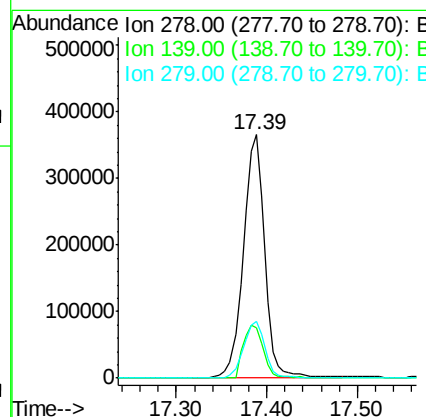
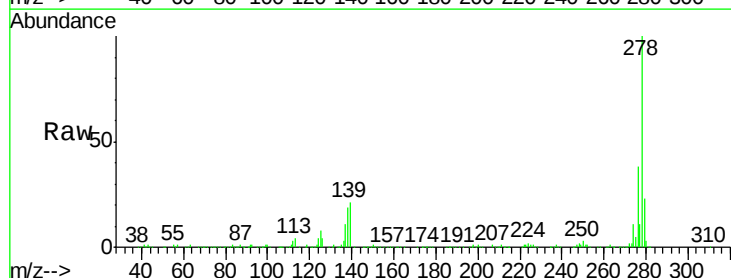
Manual Integrations
APPROVED

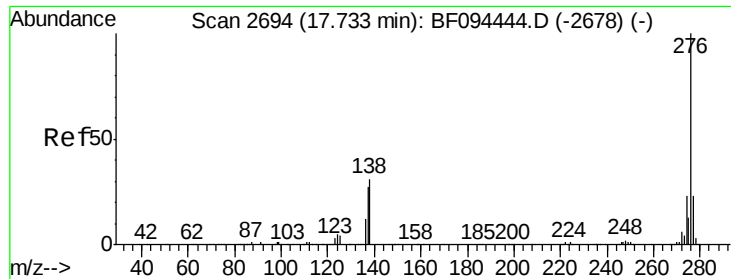
mohammad
4/19/2017 1:33:13 PM



#90
Dibenzo(a,h)anthracene
Concen: 49.11 ng
RT: 17.39 min Scan# 2627
Delta R.T. 0.01 min
Lab File: BF094494.D
Acq: 18 Apr 2017 18:53

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.9	16.6	24.8
279	23.2	19.3	28.9





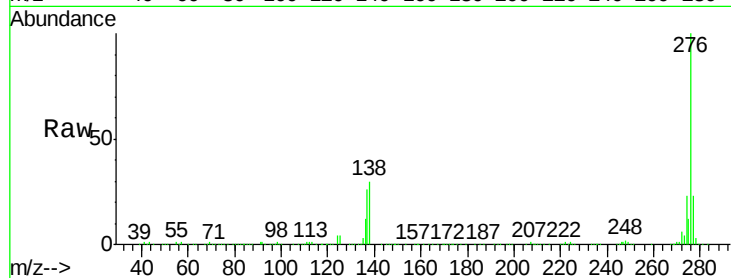
#91
 Benzo(a,h,i)perylene
 Concen: 49.80 ng
 RT: 17.75 min Scan# 2688
 Delta R.T. 0.01 min
 Lab File: BF094494.D
 Acq: 18 Apr 2017 18:53

Instrument :
 BNA_F
 ClientSampleId :
 WDS-02MS

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.0	18.6	28.0
138	29.8	25.4	38.0

Manual Integrations
 APPROVED

mohammad
 4/19/2017 1:33:13 PM



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

