

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042717\
 Data File : BF094668.D
 Acq On : 27 Apr 2017 17:25
 Operator : SJ/MA
 Sample : PB98520BS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB98520BS

Manual Integrations
 APPROVED

mohammad
 4/28/2017 3:00:37 PM

Quant Time: Apr 28 04:27:28 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	113606	20.00	ng	0.00
21) Naphthalene-d8	7.27	136	468162	20.00	ng	0.00
38) Acenaphthene-d10	9.40	164	221190	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	397266	20.00	ng	0.00
75) Chrysene-d12	14.48	240	313337	20.00	ng	0.00
86) Perylene-d12	16.10	264	223577	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	4.34	112	855362	124.91	ng	0.03
7) Phenol-d6	5.41	99	1032842	127.94	ng	0.01
23) Nitrobenzene-d5	6.42	82	648157	85.49	ng	0.00
41) 2,4,6-Tribromophenol	10.38	330	233084	134.72	ng	0.00
44) 2-Fluorobiphenyl	8.59	172	1235957	82.21	ng	0.00
78) Terphenyl-d14	13.20	244	1109065	94.61	ng	0.00

Target Compounds						Qvalue
2) 1,4-Dioxane	2.18	88	103435	25.97	ng	99
3) Pyridine	2.70	79	294635	33.85	ng	97
4) n-Nitrosodimethylamine	2.64	42	136397	37.87	ng	88
6) Aniline	5.41	93	325927	30.38	ng	# 45
8) 2-Chlorophenol	5.55	128	327782	42.07	ng	97
9) Benzaldehyde	5.28	77	82149	13.38	ng	96
10) Phenol	5.42	94	396625	39.99	ng	100
11) bis(2-Chloroethyl)ether	5.49	93	293165	40.47	ng	96
12) 1,3-Dichlorobenzene	5.71	146	347133	40.21	ng	98
13) 1,4-Dichlorobenzene	5.80	146	351665	40.49	ng	96
14) 1,2-Dichlorobenzene	5.97	146	328033	41.00	ng	95
15) Benzyl Alcohol	5.95	79	251016	41.92	ng	98
16) 2,2'-oxybis(1-Chloropropan	6.11	45	393198	41.40	ng	86
17) 2-Methylphenol	6.10	107	259355	42.26	ng	95
18) Hexachloroethane	6.35	117	120273	40.39	ng	# 87
19) n-Nitroso-di-n-propylamine	6.27	70	223010	41.69	ng	95
20) 3+4-Methylphenols	6.28	107	366931	44.00	ng	# 63
22) Acetophenone	6.25	105	454939	39.97	ng	# 85
24) Nitrobenzene	6.45	77	322706	40.42	ng	95
25) Isophorone	6.74	82	589733	41.96	ng	# 94
26) 2-Nitrophenol	6.82	139	184221	42.95	ng	96
27) 2,4-Dimethylphenol	6.90	122	292947	42.04	ng	98
28) bis(2-Chloroethoxy)methane	7.00	93	382888	42.12	ng	99
29) 2,4-Dichlorophenol	7.12	162	281234	43.39	ng	98
30) 1,2,4-Trichlorobenzene	7.20	180	273280	40.78	ng	98
31) Naphthalene	7.30	128	920657	40.91	ng	99
32) Benzoic acid	7.08	122	144848	39.31	ng	95
33) 4-Chloroaniline	7.37	127	104361	11.15	ng	# 93
34) Hexachlorobutadiene	7.45	225	137704	41.22	ng	98
35) Caprolactam	7.84	113	88949m	43.68	ng	
36) 4-Chloro-3-methylphenol	8.00	107	301290	44.36	ng	89
37) 2-Methylnaphthalene	8.13	142	649596	42.19	ng	99
39) 1,2,4,5-Tetrachlorobenzene	8.34	216	253122	40.19	ng	99
40) Hexachlorocyclopentadiene	8.32	237	216416	84.94	ng	98

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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.50	196	187897	42.48	nq	96
43) 2,4,5-Trichlorophenol	8.55	196	200094	44.05	nq	# 91
45) 1,1'-Biphenyl	8.71	154	747573	41.37	nq	98
46) 2-Chloronaphthalene	8.72	162	592354	41.22	nq	95
47) 2-Nitroaniline	8.87	65	168149	40.68	nq	# 84
48) Acenaphthylene	9.23	152	937181	41.84	nq	99
49) Dimethylphthalate	9.11	163	734351	44.55	nq	99
50) 2,6-Dinitrotoluene	9.17	165	162289	43.86	nq	92
51) Acenaphthene	9.44	154	564264	42.06	nq	99
52) 3-Nitroaniline	9.38	138	76987	17.98	nq	85
53) 2,4-Dinitrophenol	9.52	184	128211	65.02	nq	# 65
54) Dibenzofuran	9.66	168	835441	42.84	nq	99
55) 4-Nitrophenol	9.64	139	185821m	61.44	nq	
56) 2,4-Dinitrotoluene	9.67	165	215160	47.39	nq	# 88
57) Fluorene	10.08	166	639216	42.09	nq	99
58) 2,3,4,6-Tetrachlorophenol	9.82	232	145059	44.55	nq	# 95
59) Diethylphthalate	9.97	149	684946	44.04	nq	99
60) 4-Chlorophenyl-phenylether	10.08	204	278199	44.02	nq	94
61) 4-Nitroaniline	10.14	138	149136	34.27	nq	95
62) Azobenzene	10.28	77	662809	43.89	nq	92
64) 4,6-Dinitro-2-methylphenol	10.18	198	95583	36.72	nq	# 69
65) n-Nitrosodiphenylamine	10.24	169	595432	43.10	nq	99
66) 4-Bromophenyl-phenylether	10.68	248	174423	44.22	nq	97
67) Hexachlorobenzene	10.76	284	174409	43.87	nq	95
68) Atrazine	10.91	200	183592	44.42	nq	96
69) Pentachlorophenol	11.01	266	147381	93.37	nq	99
70) Phenanthrene	11.25	178	939292	41.99	nq	99
71) Anthracene	11.32	178	987438	42.67	nq	99
72) Carbazole	11.53	167	906785	41.75	nq	98
73) Di-n-butylphthalate	11.97	149	1110097	46.42	nq	99
74) Fluoranthene	12.72	202	969989	41.84	nq	98
76) Benzidine	12.89	184	405943	32.00	nq	# 93
77) Pyrene	12.99	202	976601	44.61	nq	99
79) Butylbenzylphthalate	13.81	149	471127	49.11	nq	91
80) Benzo(a)anthracene	14.47	228	774935	42.55	nq	98
81) 3,3'-Dichlorobenzidine	14.44	252	166452	25.82	nq	# 97
82) Chrysene	14.51	228	698989	42.00	nq	98
83) Bis(2-ethylhexyl)phthalate	14.52	149	649238	50.40	nq	# 99
84) Di-n-octyl phthalate	15.28	149	1057010	48.92	nq	96
85) Indeno(1,2,3-cd)pyrene	17.39	276	576777	36.42	nq	99
87) Benzo(b)fluoranthene	15.70	252	596287	43.60	nq	99
88) Benzo(k)fluoranthene	15.73	252	594720	45.95	nq	# 96
89) Benzo(a)pyrene	16.05	252	547838	43.06	nq	99
90) Dibenzo(a,h)anthracene	17.40	278	479953	45.43	nq	98
91) Benzo(g,h,i)perylene	17.77	276	486489	45.23	nq	99

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

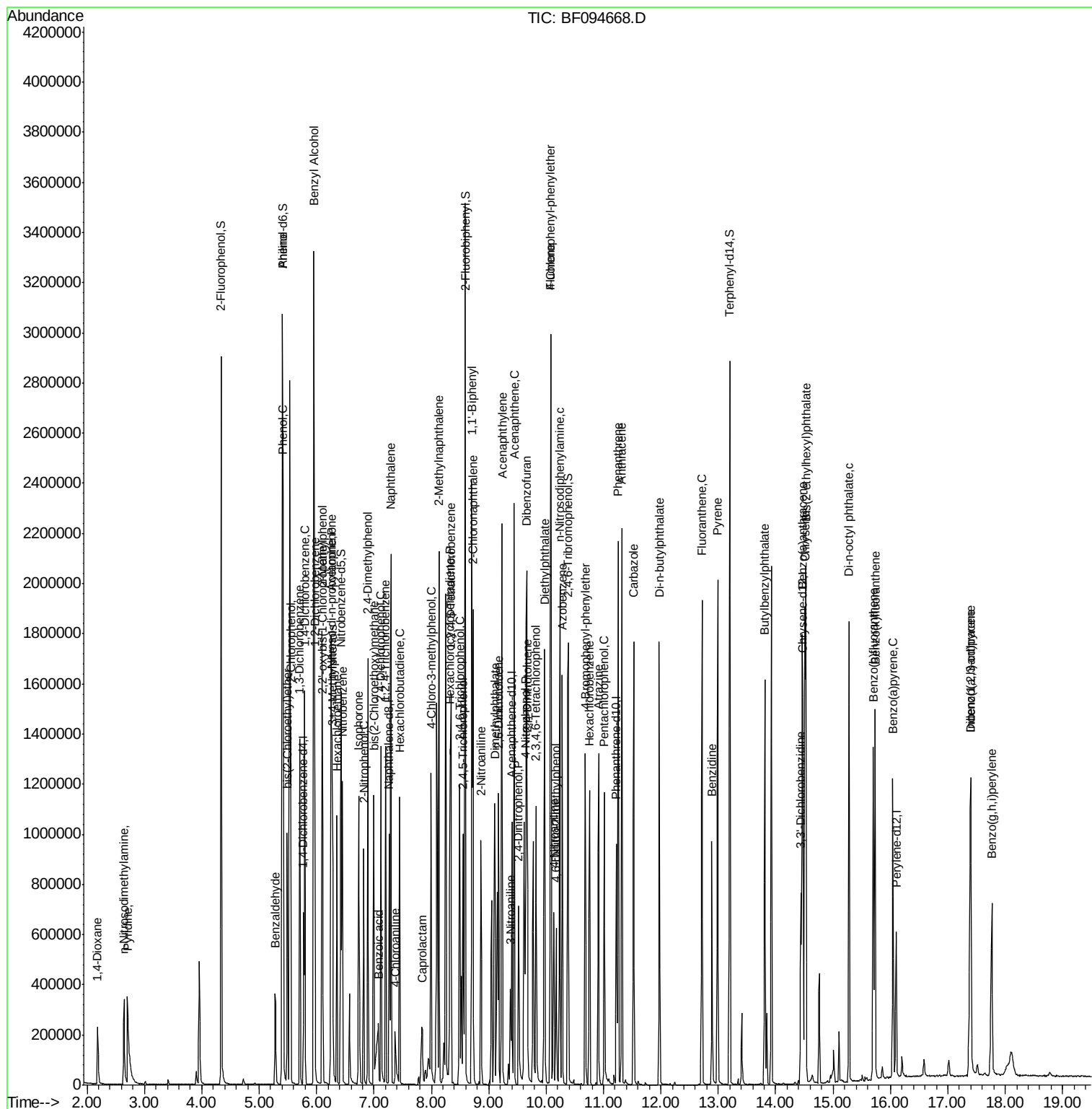
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042717\
Data File : BF094668.D
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Operator : SJ/MA
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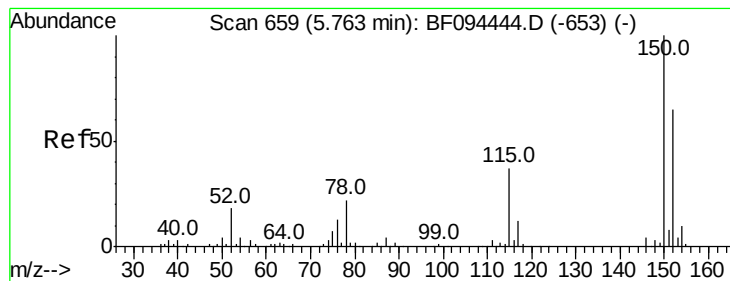
Instrument :
BNA_F
ClientSampleId :
PB98520BS

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#1

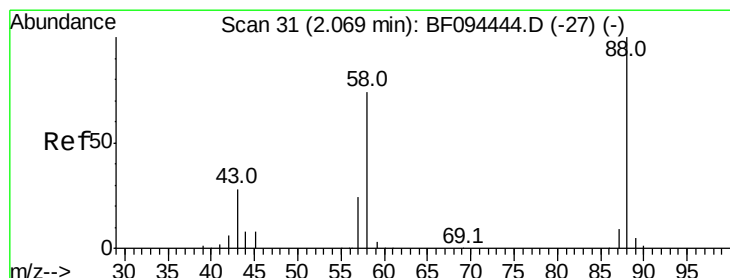
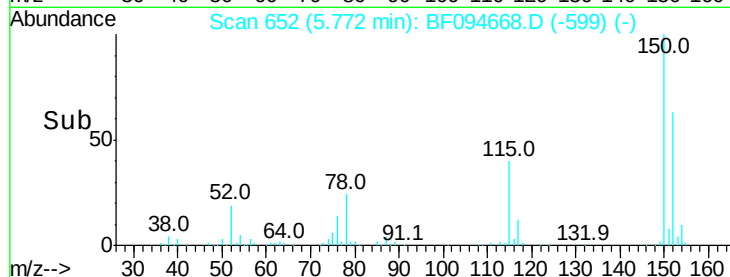
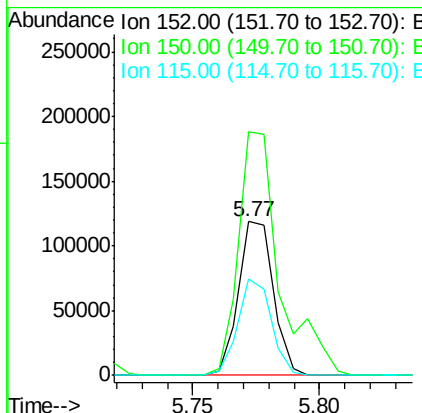
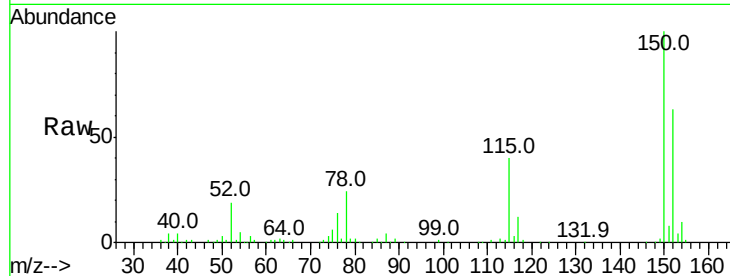
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.77 min Scan# 652
Delta R.T. 0.01 min
Lab File: BF094668.D
Acq: 27 Apr 2017 17:25

Instrument :
BNA_F
ClientSampled :
PB98520BS

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.4	126.2	189.2
115	62.9	52.2	78.2

Manual Integrations
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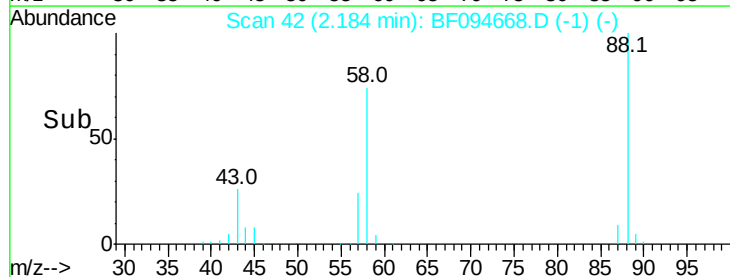
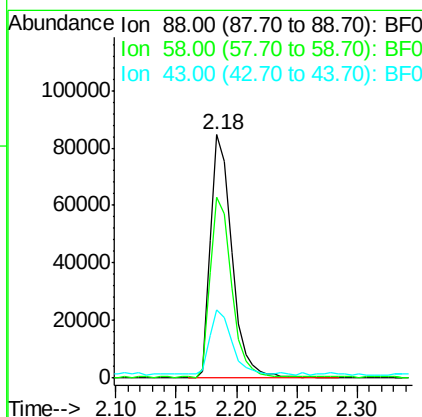
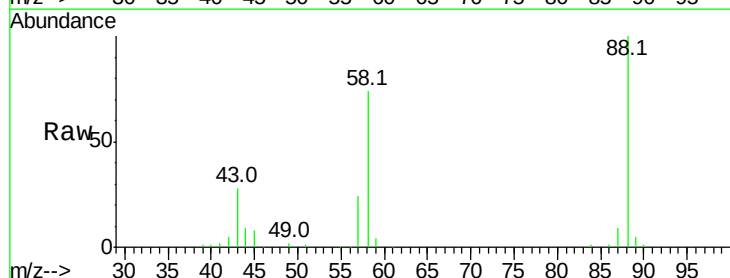
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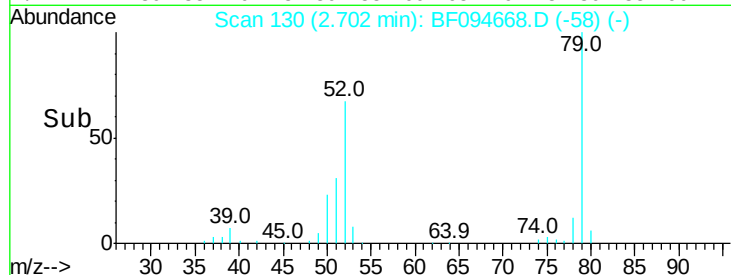
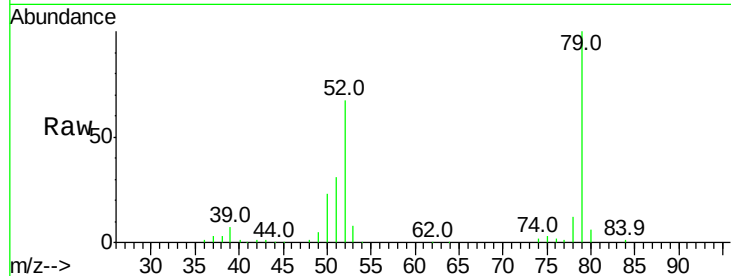
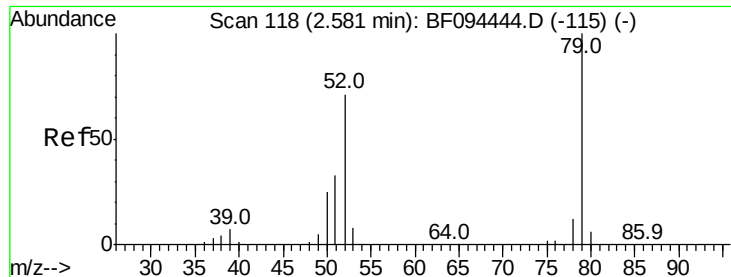


#2

1,4-Dioxane
Concen: 25.97 ng
RT: 2.18 min Scan# 42
Delta R.T. 0.11 min
Lab File: BF094668.D
Acq: 27 Apr 2017 17:25

Tgt Ion	Ratio	Lower	Upper
88	100		
58	75.8	61.4	92.0
43	27.9	23.4	35.0





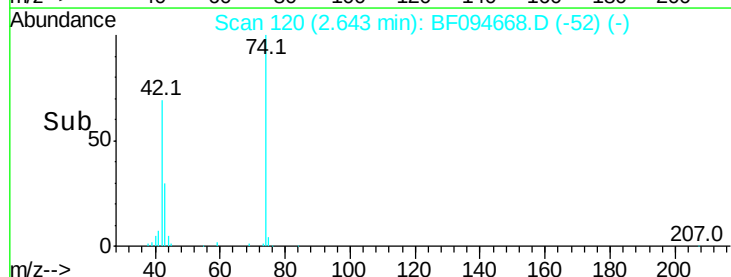
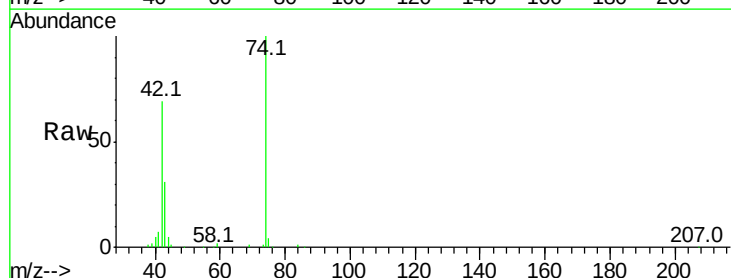
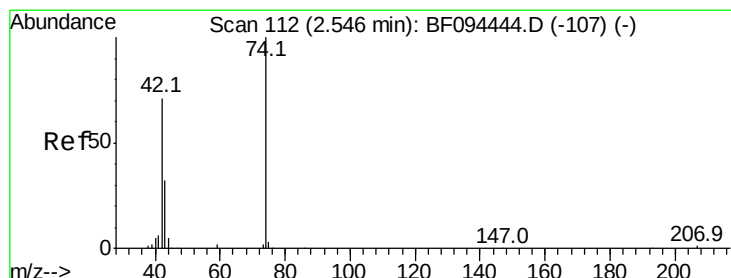
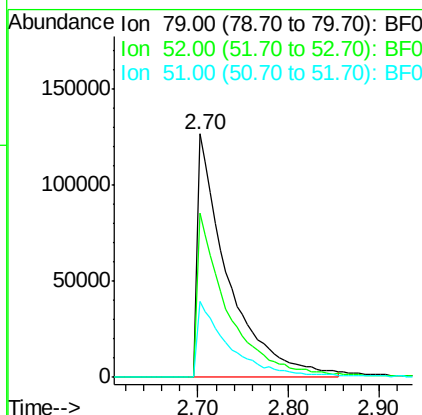
#3
 Pvridine
 Concen: 33.85 ng
 RT: 2.70 min Scan# 130
 Delta R.T. 0.12 min
 Lab File: BF094668.D
 Acq: 27 Apr 2017 17:25

Tot Ion	Ion	Ratio	Resp	Lower	Upper
79	100		294635		
52	67.2	54.8		82.2	
51	31.0	27.0		40.4	

Instrument :
 BNA_F
 ClientSampleId :
 PB98520BS

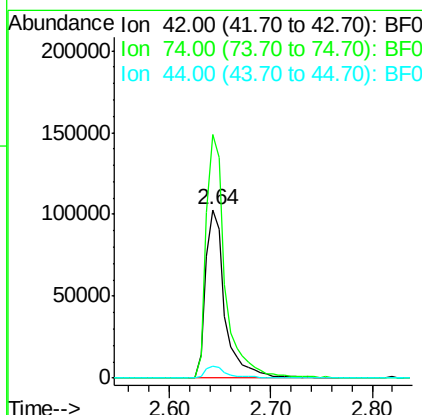
Manual Integrations
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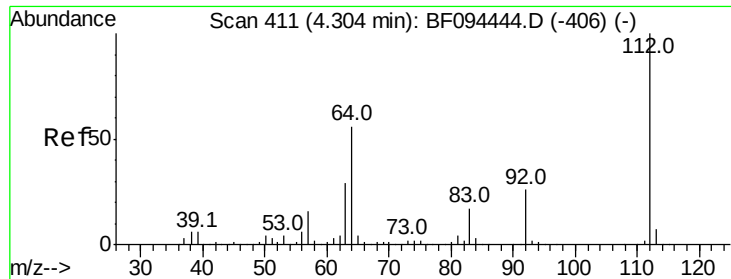
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#4
 n-Nitrosodimethylamine
 Concen: 37.87 ng
 RT: 2.64 min Scan# 120
 Delta R.T. 0.10 min
 Lab File: BF094668.D
 Acq: 27 Apr 2017 17:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
42	100		136397		
74	144.8	103.9		155.9	
44	7.0	5.7		8.5	





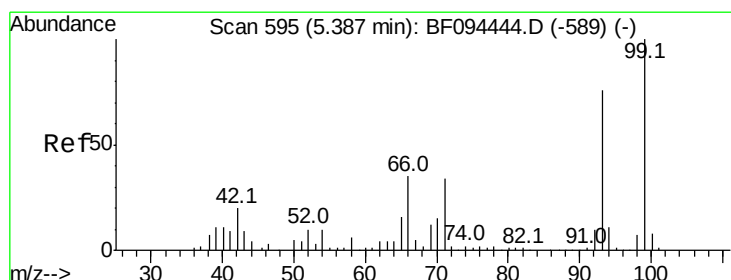
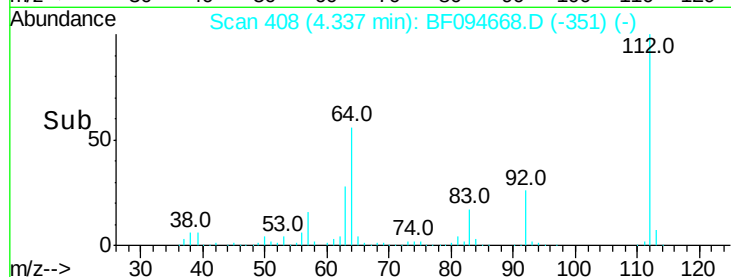
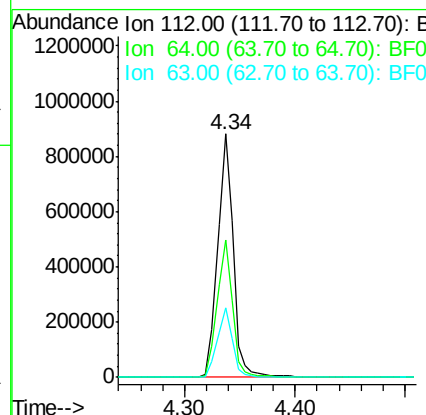
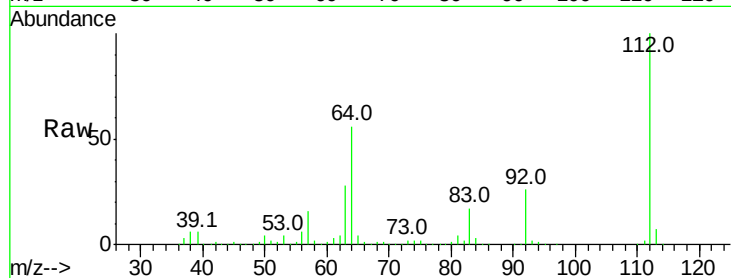
#5
 2-Fluorophenol
 Concen: 124.91 ng
 RT: 4.34 min Scan# 408
 Delta R.T. 0.03 min
 Lab File: BF094668.D
 Acq: 27 Apr 2017 17:25

Instrument :
 BNA_F
 ClientSampleID :
 PB98520BS

Tot Ion	Ratio	Resp	Lower	Upper
112	100	855362		
64	56.2		46.0	69.0
63	28.4		23.4	35.0

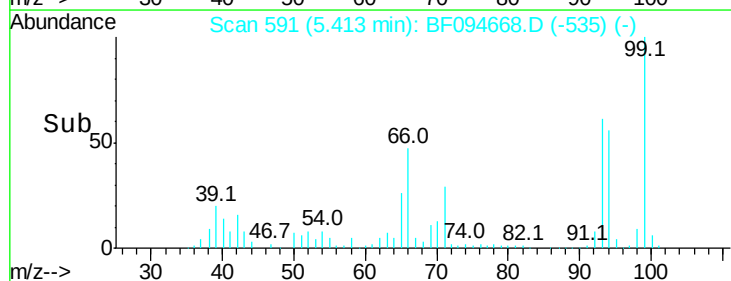
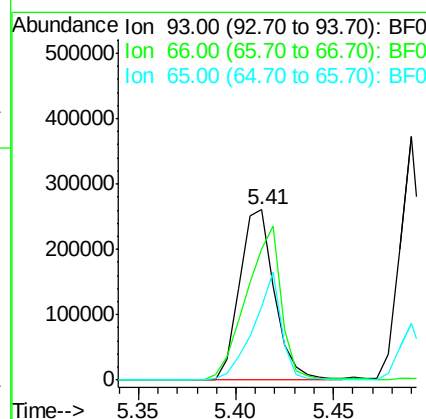
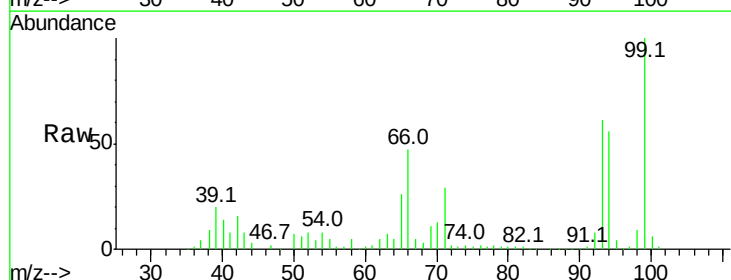
Manual Integrations
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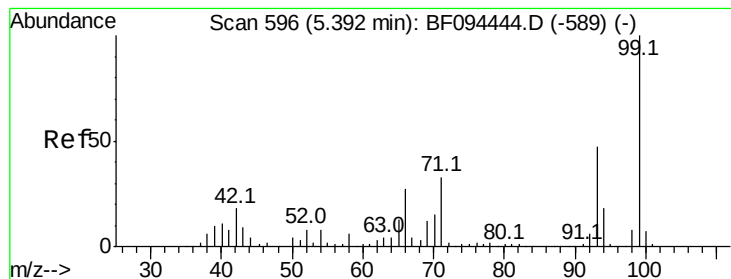
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#6
 Aniline
 Concen: 30.38 ng
 RT: 5.41 min Scan# 591
 Delta R.T. 0.03 min
 Lab File: BF094668.D
 Acq: 27 Apr 2017 17:25

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	325927		
66	76.7		32.9	49.3#
65	43.3		16.0	24.0#





#7

Phenol-d6

Concen: 127.94 ng

RT: 5.41 min Scan# 590

Delta R.T. 0.01 min

Lab File: BF094668.D

Acq: 27 Apr 2017 17:25

Instrument :

BNA_F

ClientSampled :

PB98520BS

Tot Ion: 99 Resp: 1032842

Ion Ratio Lower Upper

99 100

42 17.2 13.5 20.3

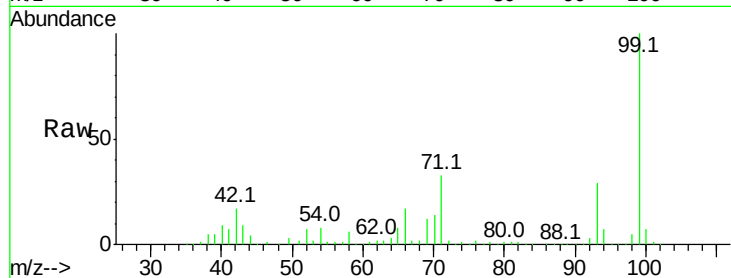
71 32.8 24.5 36.7

Manual Integrations

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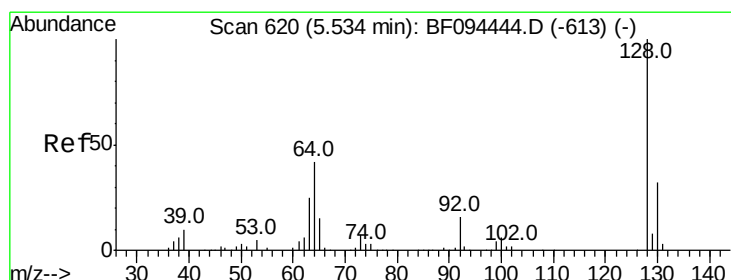
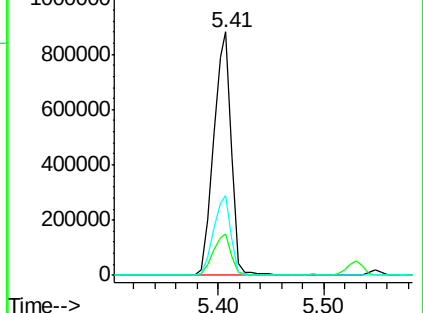
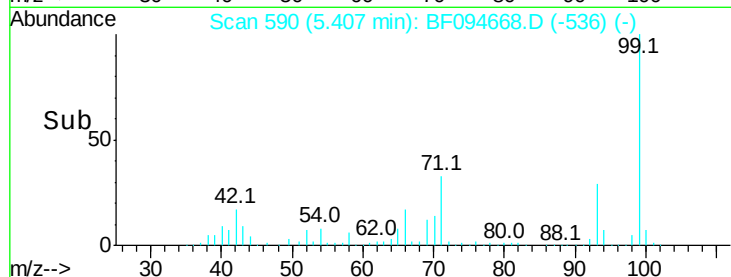
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 42.07 ng

RT: 5.55 min Scan# 614

Delta R.T. 0.01 min

Lab File: BF094668.D

Acq: 27 Apr 2017 17:25

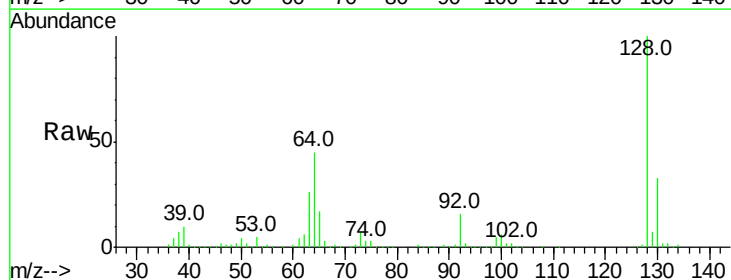
Tgt Ion:128 Resp: 327782

Ion Ratio Lower Upper

128 100

130 32.9 12.9 52.9

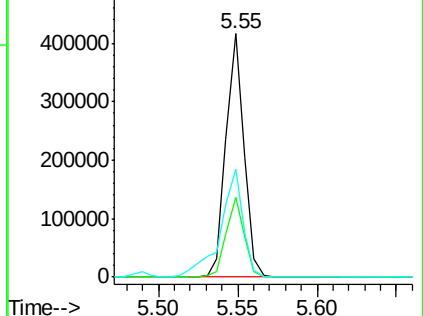
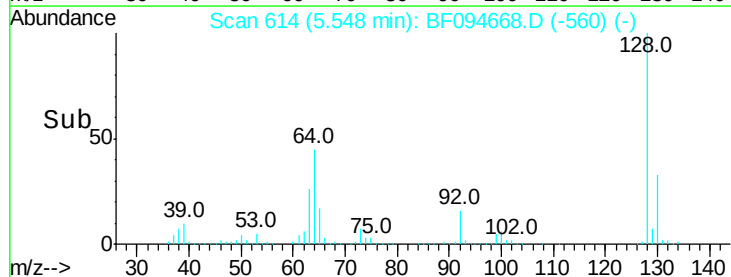
64 44.5 28.4 68.4

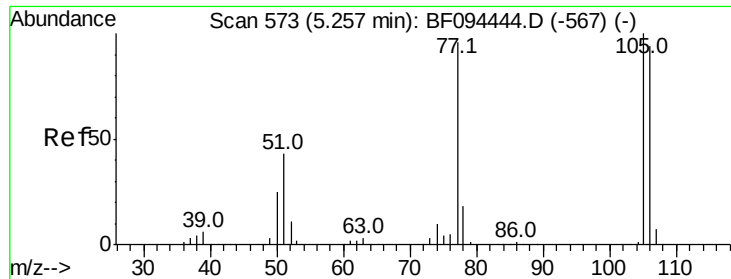


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 13.38 ng

RT: 5.28 min Scan# 568

Delta R.T. 0.02 min

Lab File: BF094668.D

Acq: 27 Apr 2017 17:25

Instrument :

BNA_F

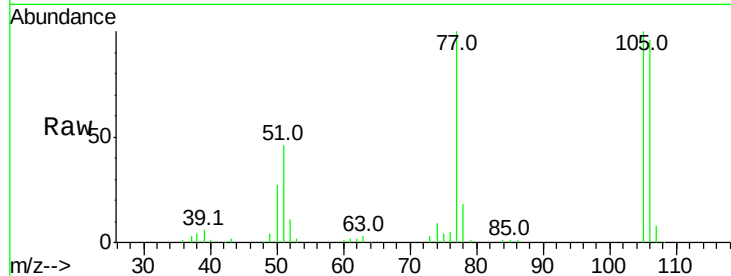
ClientSampled :

PB98520BS

Tot Ion:	77	Resp:	82149
Ion	Ratio	Lower	Upper
77	100		
105	99.8	83.8	123.8
106	95.9	79.1	119.1

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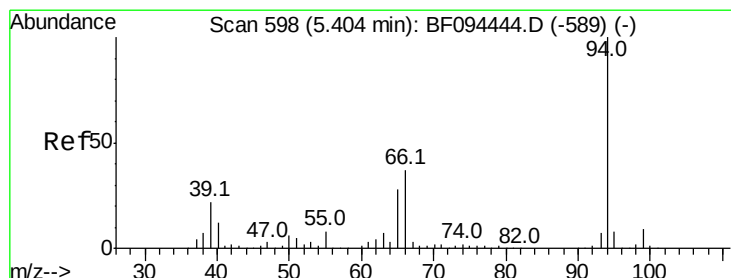
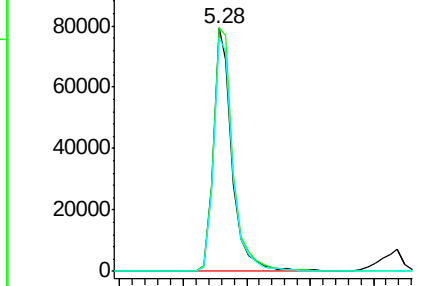
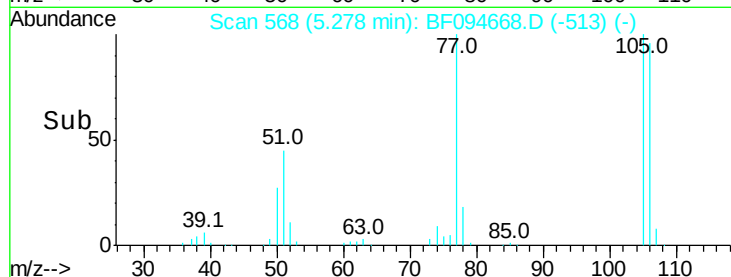
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Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 39.99 ng

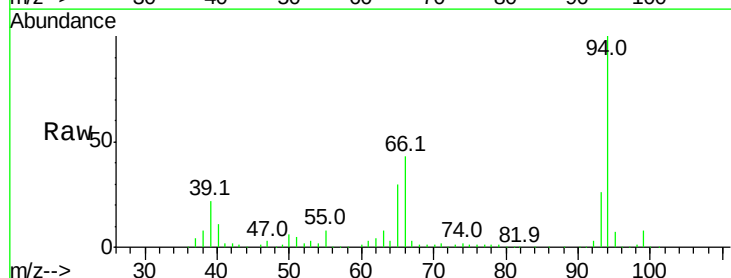
RT: 5.42 min Scan# 592

Delta R.T. 0.01 min

Lab File: BF094668.D

Acq: 27 Apr 2017 17:25

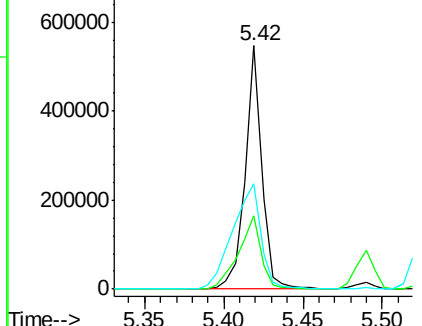
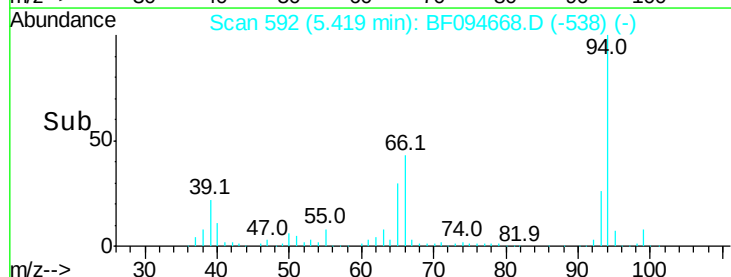
Tgt Ion:	94	Resp:	396625
Ion	Ratio	Lower	Upper
94	100		
65	30.1	9.9	49.9
66	43.3	23.1	63.1

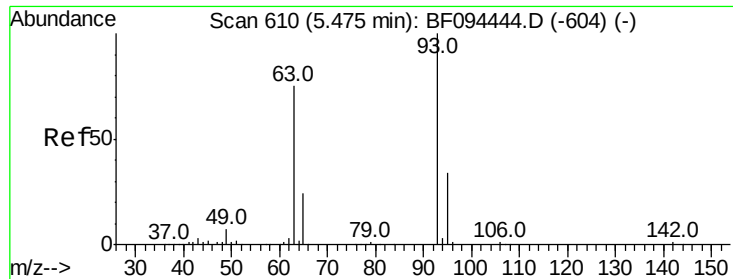


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#11

bis(2-Chloroethyl)ether

Concen: 40.47 ng

RT: 5.49 min Scan# 604

Delta R.T. 0.01 min

Lab File: BF094668.D

Acq: 27 Apr 2017 17:25

Instrument :

BNA_F

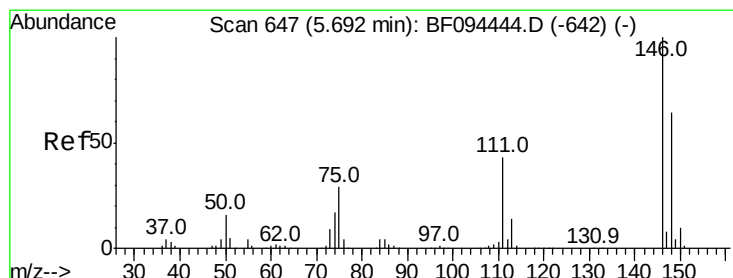
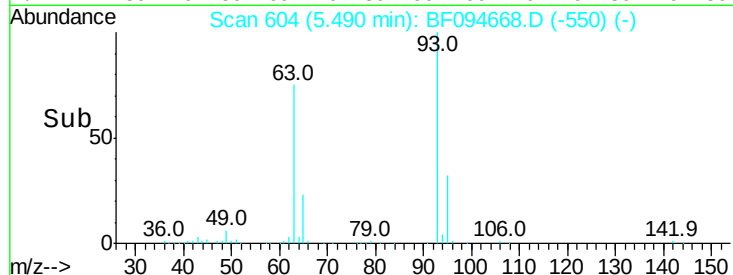
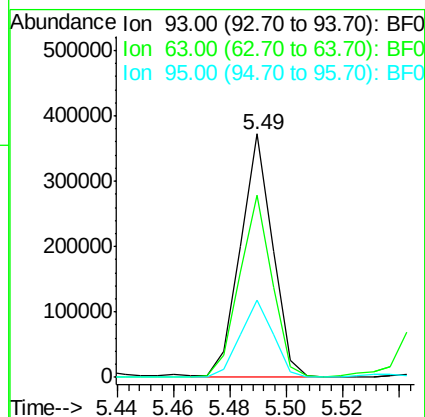
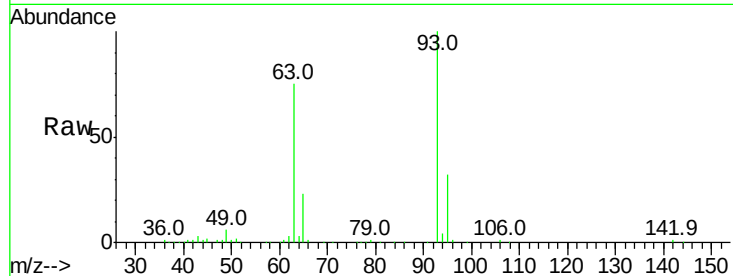
ClientSampleId :

PB98520BS

Tot Ion	93	Resp	293165
Ion Ratio	100	Lower	Upper
93	100		
63	74.8	59.2	99.2
95	31.7	12.8	52.8

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#12

1,3-Dichlorobenzene

Concen: 40.21 ng

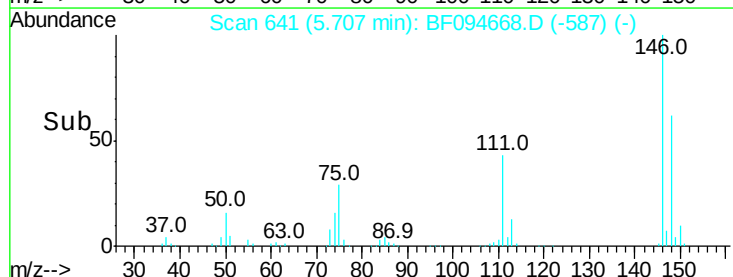
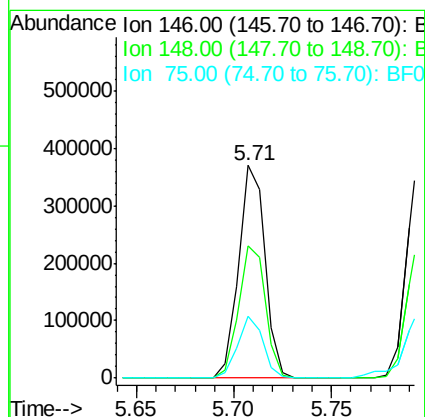
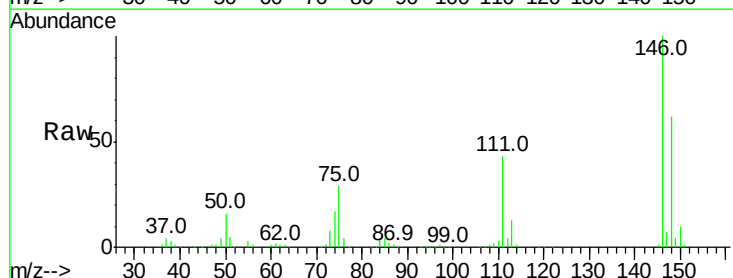
RT: 5.71 min Scan# 641

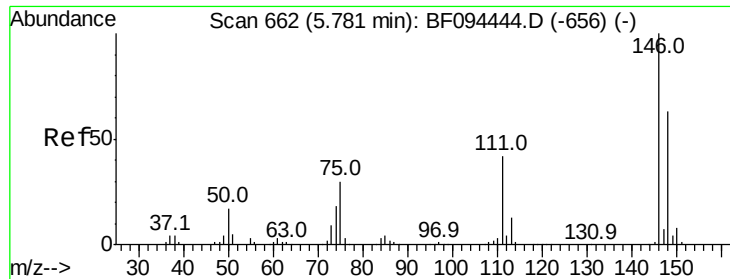
Delta R.T. 0.01 min

Lab File: BF094668.D

Acq: 27 Apr 2017 17:25

Tgt Ion	146	Resp	347133
Ion Ratio	100	Lower	Upper
146	100		
148	62.4	51.8	77.6
75	28.9	23.1	34.7





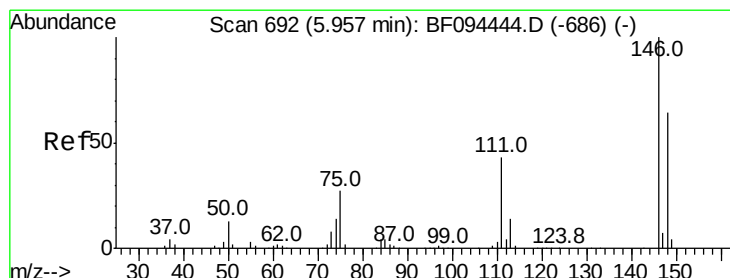
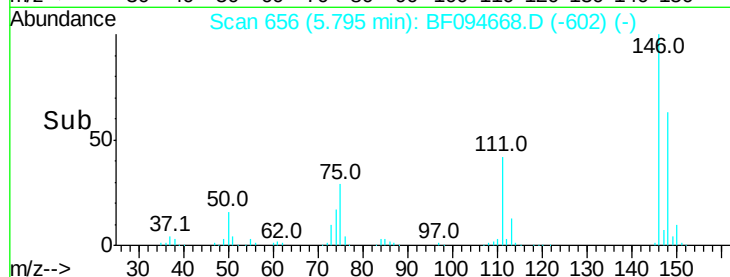
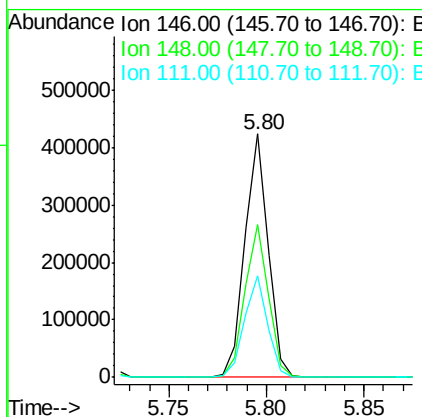
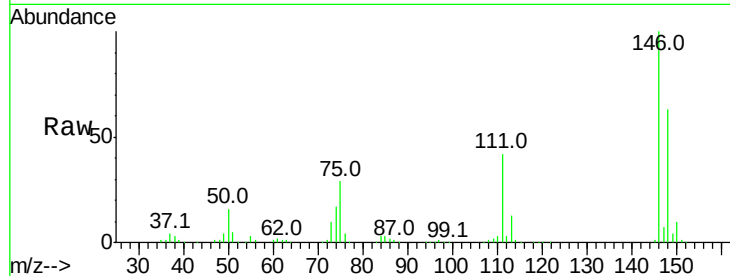
#13
 1,4-Dichlorobenzene
 Concen: 40.49 ng
 RT: 5.80 min Scan# 656
 Delta R.T. 0.01 min
 Lab File: BF094668.D
 Acq: 27 Apr 2017 17:25

Instrument :
 BNA_F
 ClientSampleID :
 PB98520BS

Tot Ion	Ratio	Lower	Upper
146	100		
148	62.5	52.2	78.2
111	41.7	30.3	45.5

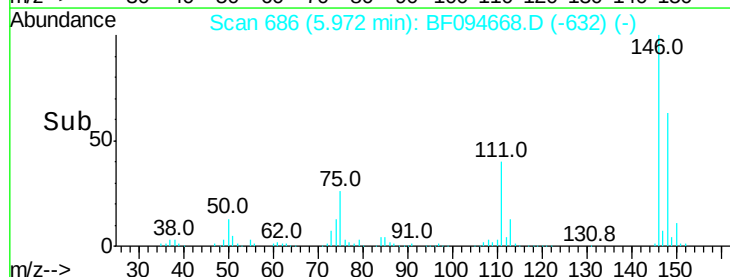
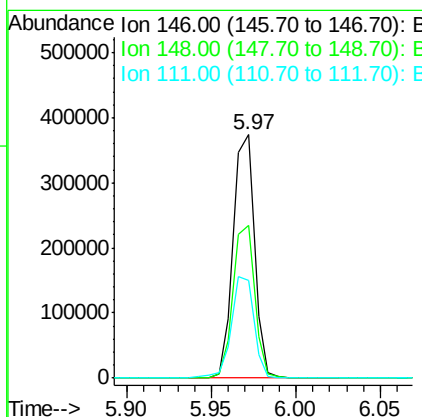
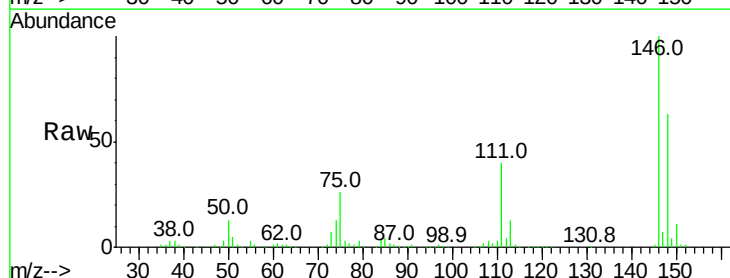
Manual Integrations
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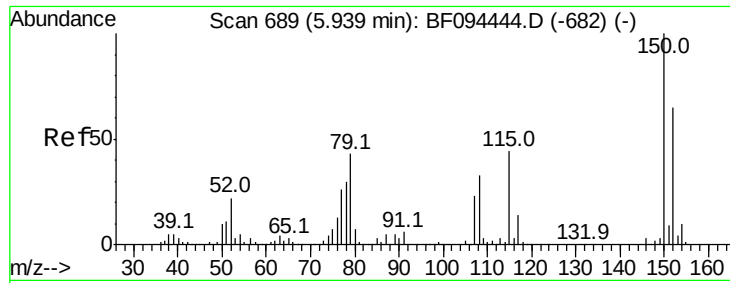
mohammad
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#14
 1,2-Dichlorobenzene
 Concen: 41.00 ng
 RT: 5.97 min Scan# 686
 Delta R.T. 0.01 min
 Lab File: BF094668.D
 Acq: 27 Apr 2017 17:25

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.9	50.4	75.6
111	40.1	38.2	57.4





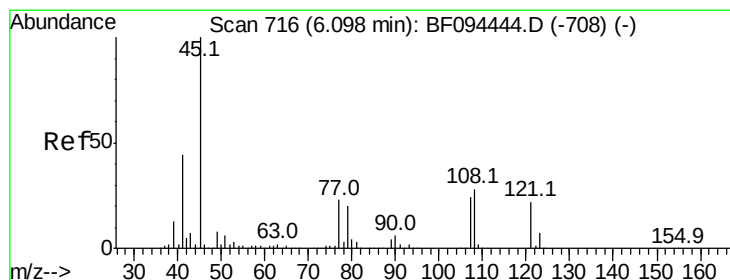
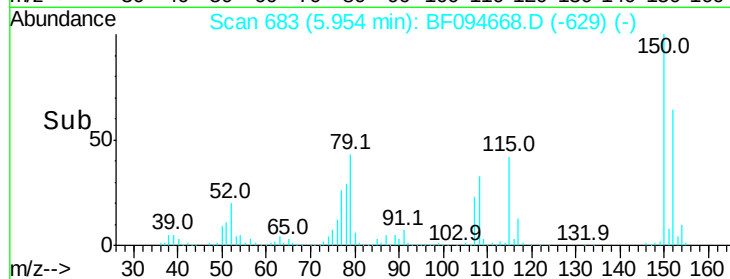
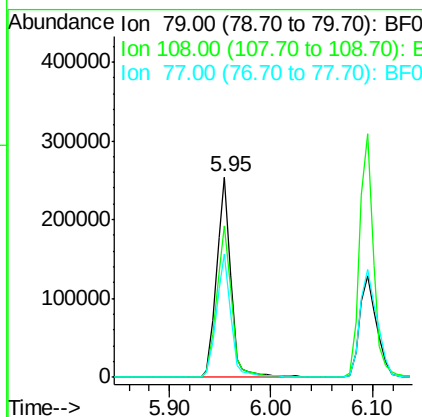
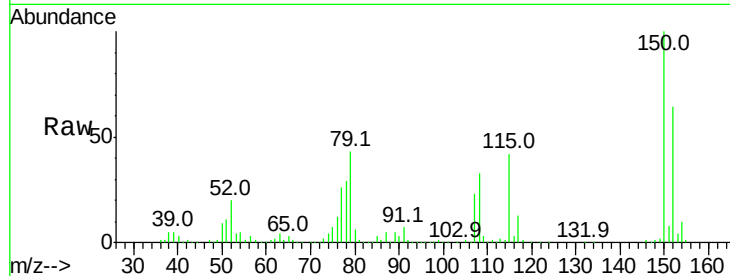
#15
Benzyl Alcohol
Concen: 41.92 ng
RT: 5.95 min Scan# 683
Delta R.T. 0.01 min
Lab File: BF094668.D
Acq: 27 Apr 2017 17:25

Instrument :
BNA_F
ClientSampleId :
PB98520BS

Tot Ion	Ratio	Lower	Upper
79	100		
108	76.0	63.4	95.0
77	61.4	49.2	73.8

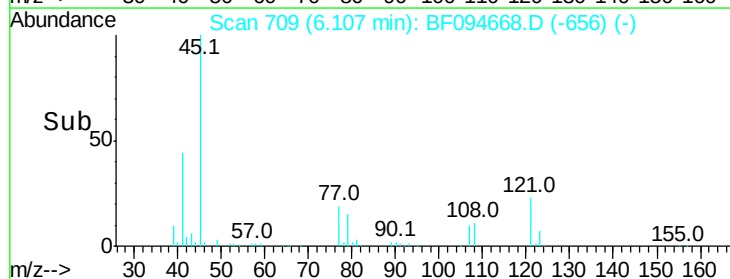
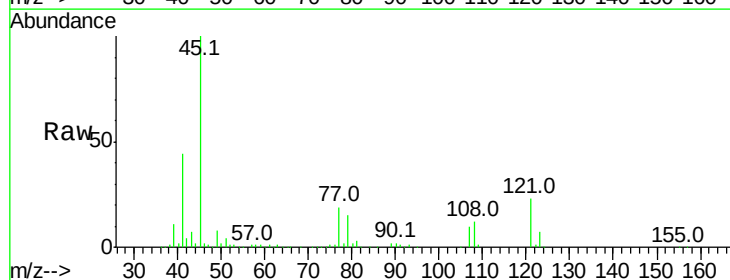
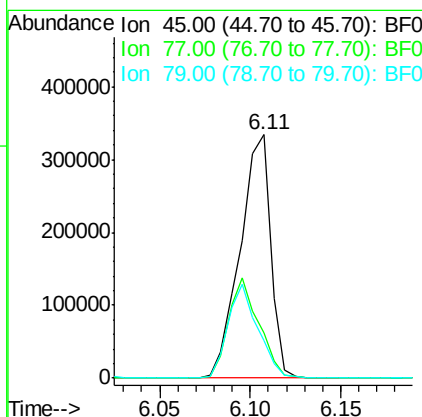
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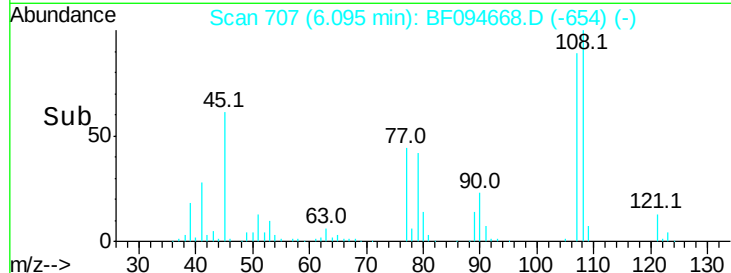
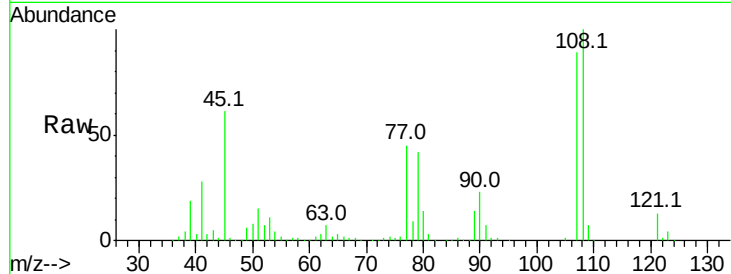
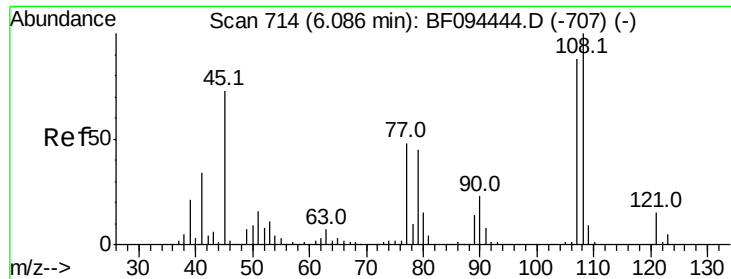
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#16
2,2'-oxybis(1-chloropropane)
Concen: 41.40 ng
RT: 6.11 min Scan# 709
Delta R.T. 0.01 min
Lab File: BF094668.D
Acq: 27 Apr 2017 17:25

Tgt Ion	Ratio	Lower	Upper
45	100		
77	18.8	0.0	33.2
79	15.3	0.0	30.0





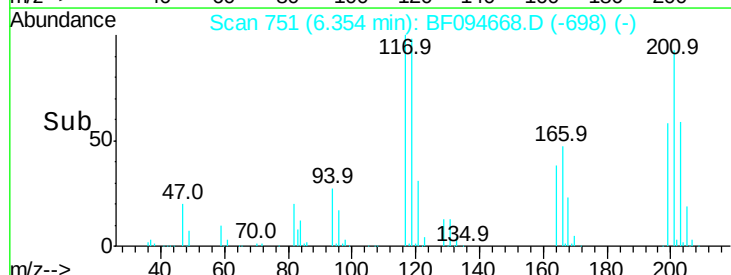
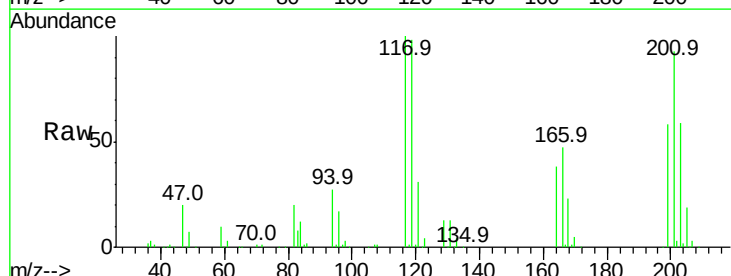
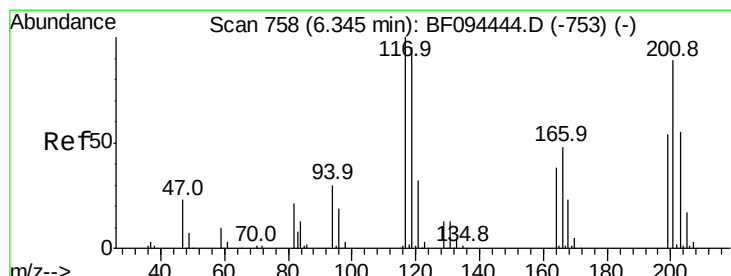
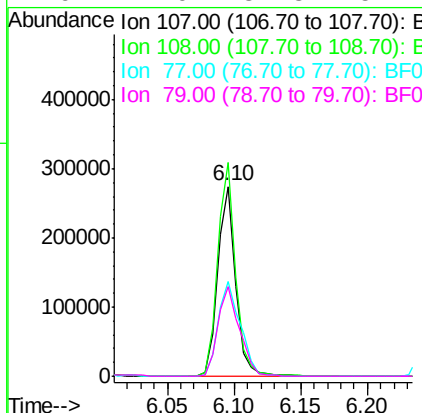
#17
2-Methylphenol
Concen: 42.26 ng
RT: 6.10 min Scan# 707
Delta R.T. 0.01 min
Lab File: BF094668.D
Acq: 27 Apr 2017 17:25

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	112.4	93.4	140.0	
77	50.1	35.8	53.6	
79	47.0	34.8	52.2	

Instrument :
BNA_F
ClientSampleId :
PB98520BS

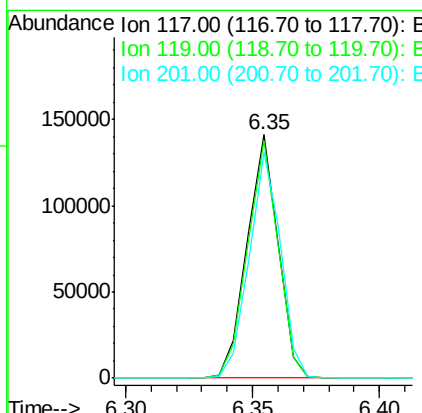
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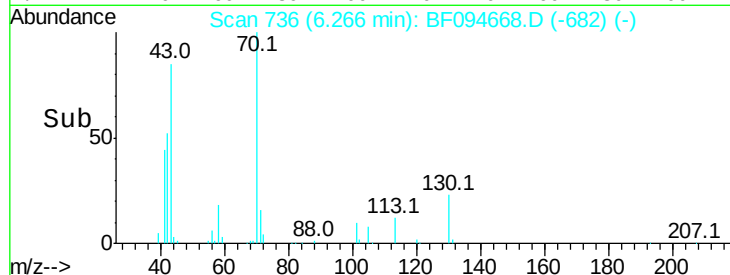
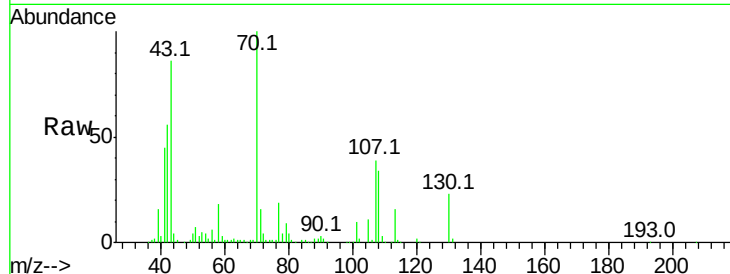
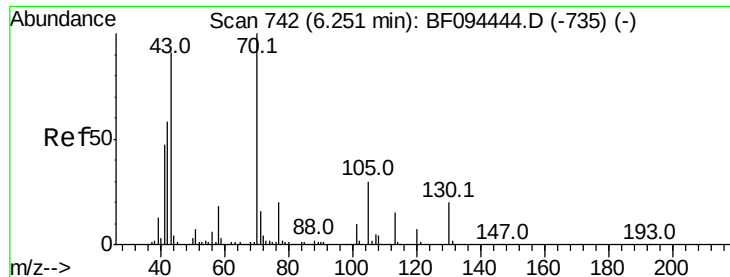
mohammad
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#18
Hexachloroethane
Concen: 40.39 ng
RT: 6.35 min Scan# 751
Delta R.T. 0.01 min
Lab File: BF094668.D
Acq: 27 Apr 2017 17:25

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	97.6	77.4	116.0	
201	92.5	94.6	141.8#	





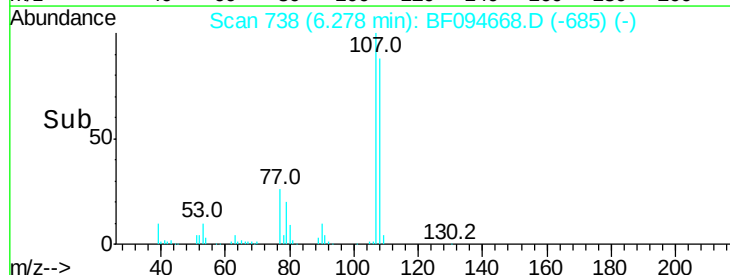
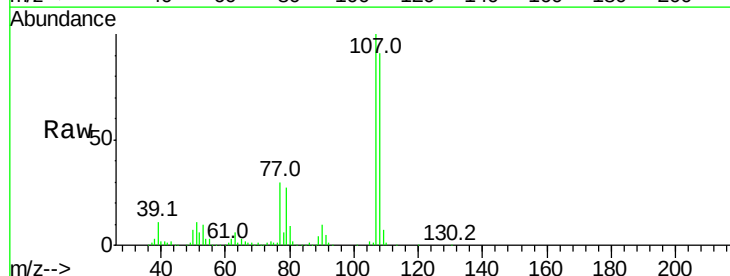
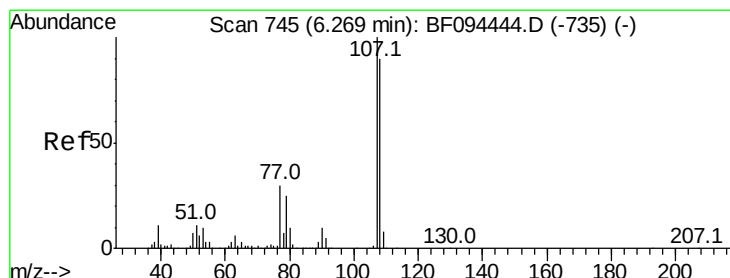
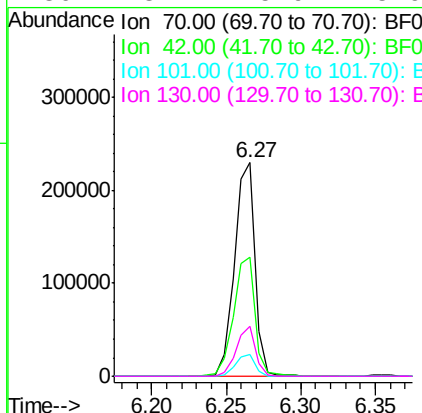
#19
n-Nitroso-di-n-propylamine
Concen: 41.69 ng
RT: 6.27 min Scan# 736
Delta R.T. 0.01 min
Lab File: BF094668.D
Acq: 27 Apr 2017 17:25

Instrument :
BNA_F
ClientSampleId :
PB98520BS

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	55.5	47.2	70.8	
101	10.2	7.2	10.8	
130	23.4	15.9	23.9	

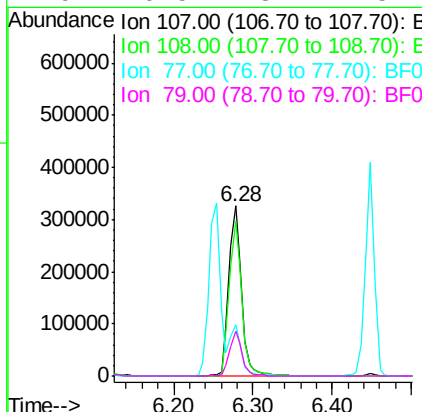
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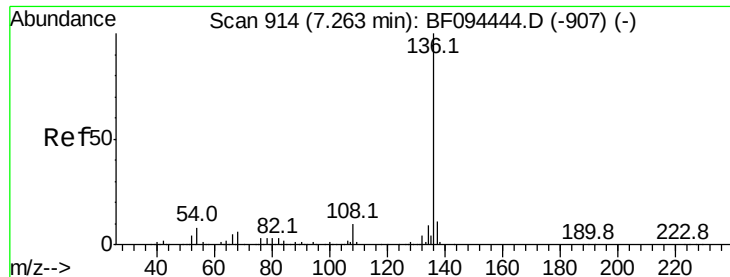
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#20
3+4-Methylphenols
Concen: 44.00 ng
RT: 6.28 min Scan# 738
Delta R.T. 0.01 min
Lab File: BF094668.D
Acq: 27 Apr 2017 17:25

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	91.1	71.0	111.0	
77	29.9	90.5	130.5#	
79	26.5	8.4	48.4	





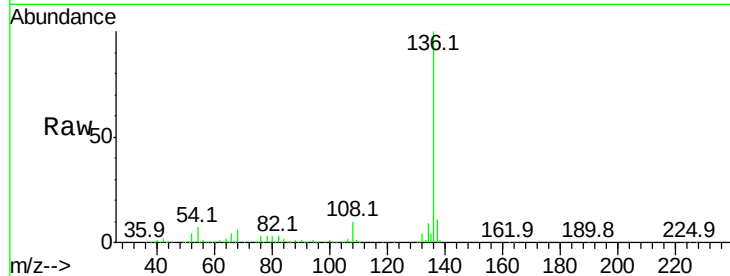
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.27 min Scan# 906
Delta R.T. 0.00 min
Lab File: BF094668.D
Acq: 27 Apr 2017 17:25

Instrument :
BNA_F
ClientSampleId :
PB98520BS

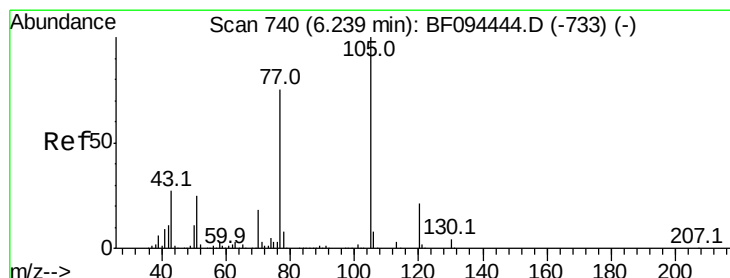
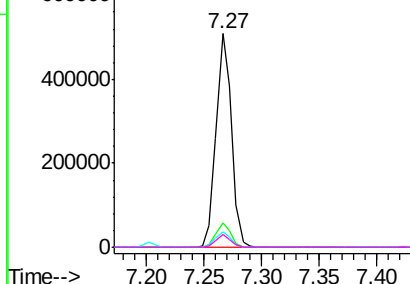
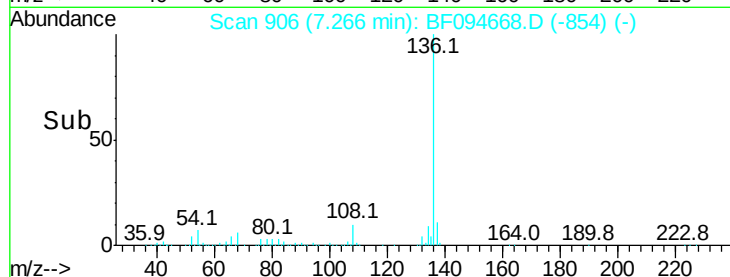
Tot Ion	Ratio	Resp	Lower	Upper
136	100	468162		
137	11.3	8.5	12.7	
54	7.5	4.9	7.3#	
68	5.8	4.1	6.1	

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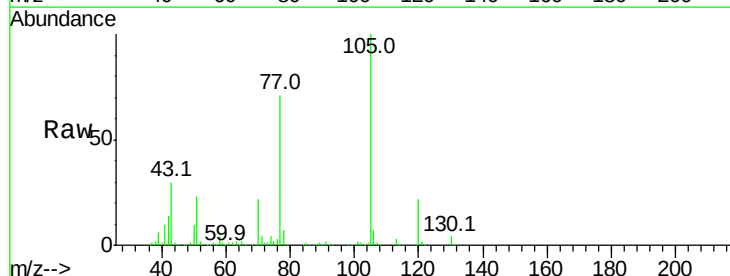


Abundance Ion 136.00 (135.70 to 136.70): E
800000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

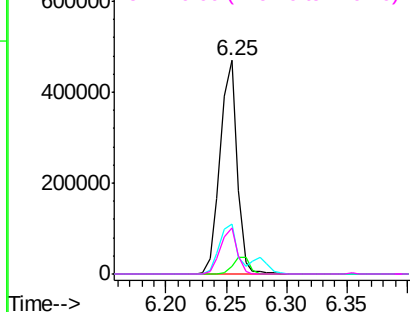
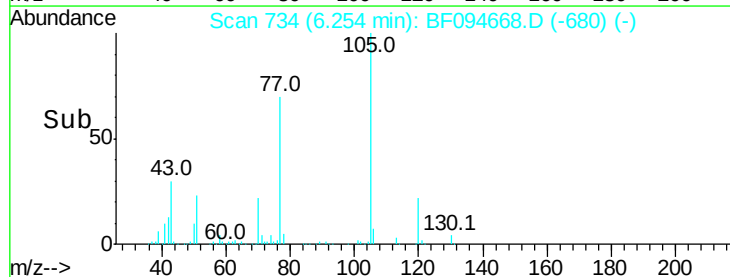


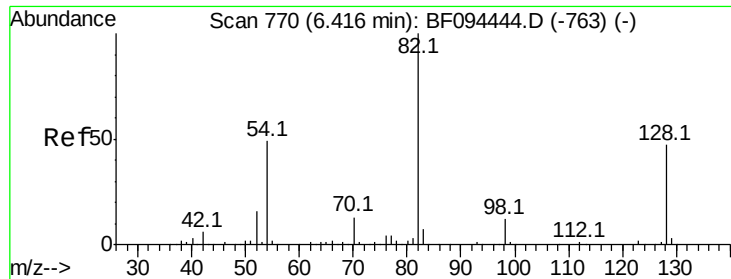
#22
Acetophenone
Concen: 39.97 ng
RT: 6.25 min Scan# 734
Delta R.T. 0.01 min
Lab File: BF094668.D
Acq: 27 Apr 2017 17:25

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	454939		
71	3.5	2.8	4.2	
51	23.4	30.7	46.1#	
120	21.7	17.4	26.0	



Abundance Ion 105.00 (104.70 to 105.70): E
600000
Ion 71.00 (70.70 to 71.70): BF0
Ion 51.00 (50.70 to 51.70): BF0
Ion 120.00 (119.70 to 120.70): E





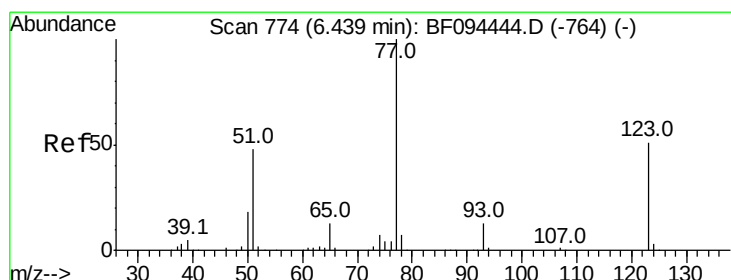
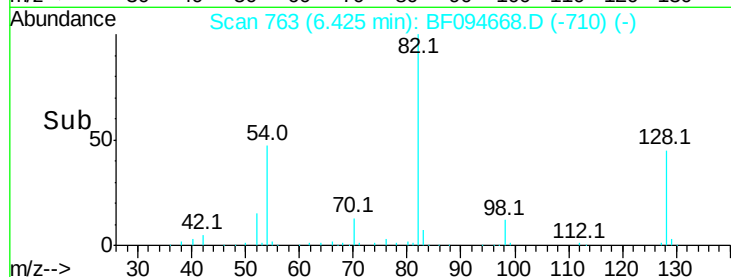
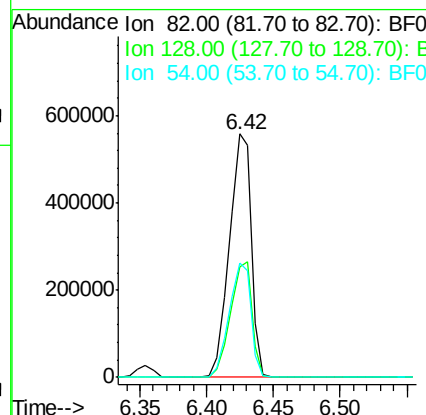
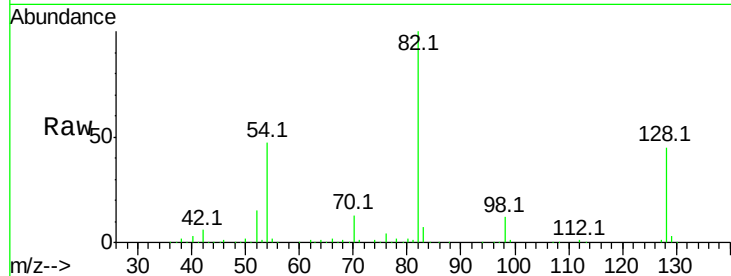
#23
 Nitrobenzene-d5
 Concen: 85.49 ng
 RT: 6.42 min Scan# 763
 Delta R.T. 0.01 min
 Lab File: BF094668.D
 Acq: 27 Apr 2017 17:25

Instrument :
 BNA_F
 ClientSampleId :
 PB98520BS

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.3	34.0	51.0
54	47.0	42.2	63.2

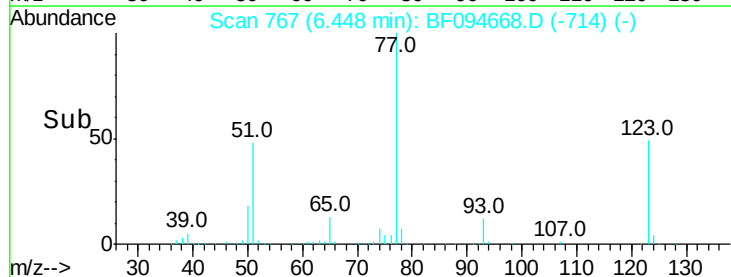
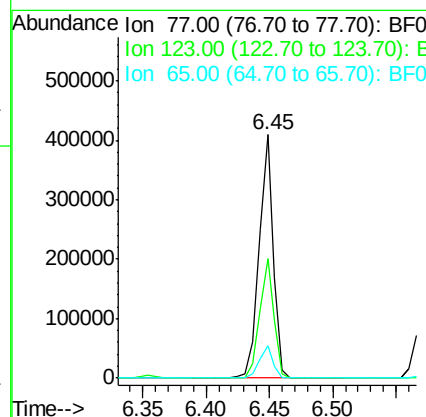
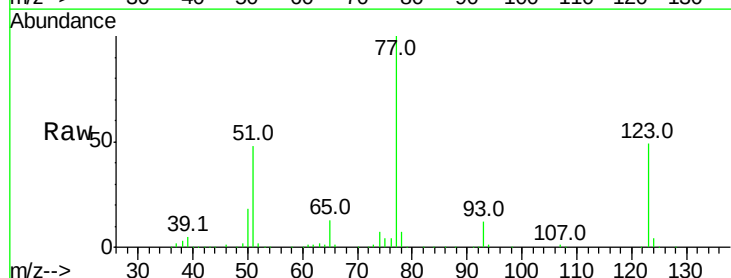
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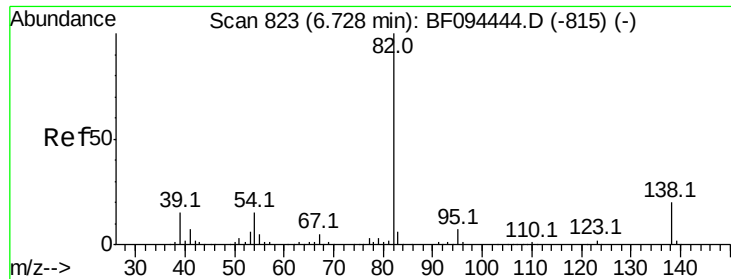
mohammad
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#24
 Nitrobenzene
 Concen: 40.42 ng
 RT: 6.45 min Scan# 767
 Delta R.T. 0.01 min
 Lab File: BF094668.D
 Acq: 27 Apr 2017 17:25

Tgt Ion	Ratio	Lower	Upper
77	100		
123	48.9	35.8	53.8
65	13.1	10.6	15.8





#25

Isophorone

Concen: 41.96 ng

RT: 6.74 min Scan# 816

Delta R.T. 0.01 min

Lab File: BF094668.D

Acq: 27 Apr 2017 17:25

Instrument :

BNA_F

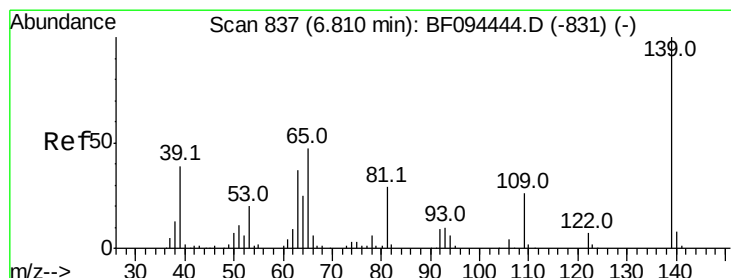
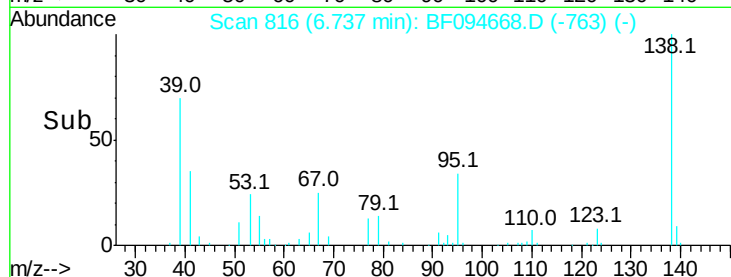
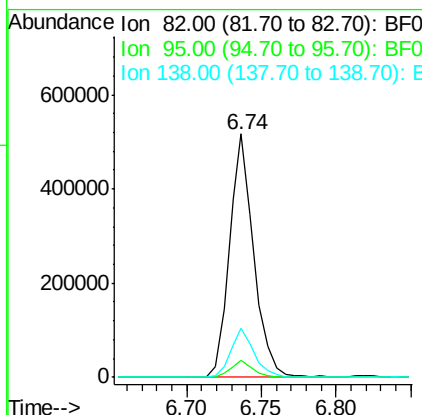
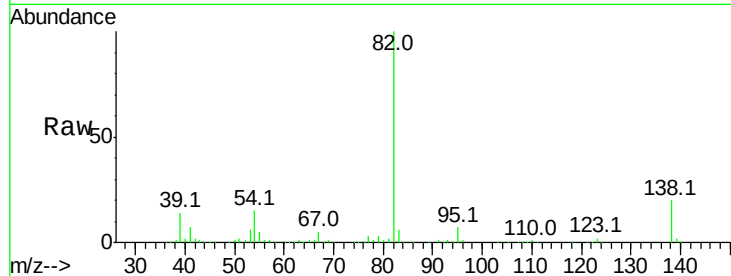
ClientSampleId :

PB98520BS

Tot Ion:	82	Resp:	589733
Ion Ratio	Lower	Upper	
82	100		
95	6.8	5.3	7.9
138	20.1	13.1	19.7#

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#26

2-Nitrophenol

Concen: 42.95 ng

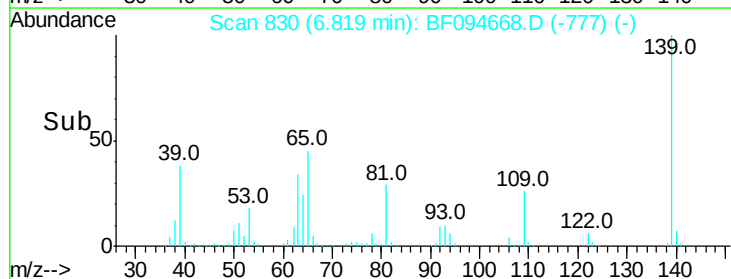
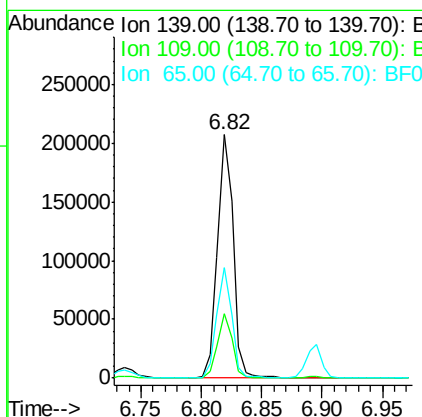
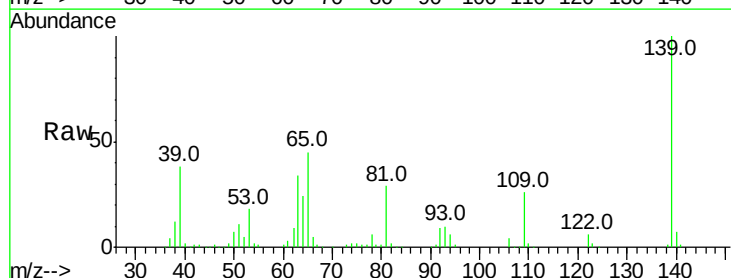
RT: 6.82 min Scan# 830

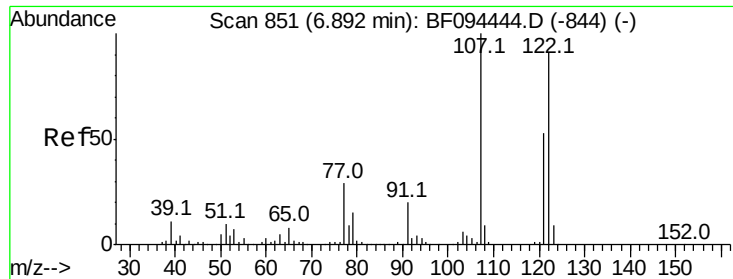
Delta R.T. 0.01 min

Lab File: BF094668.D

Acq: 27 Apr 2017 17:25

Tgt Ion:	139	Resp:	184221
Ion Ratio	Lower	Upper	
139	100		
109	26.2	21.0	31.6
65	45.1	33.0	49.6





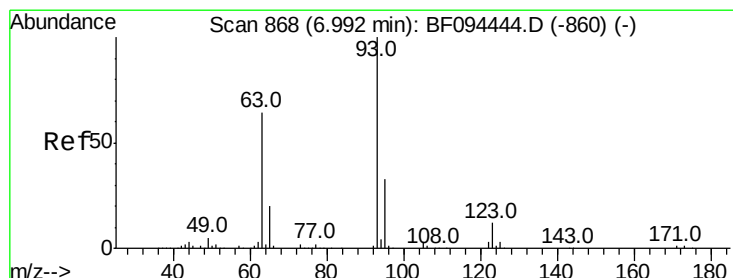
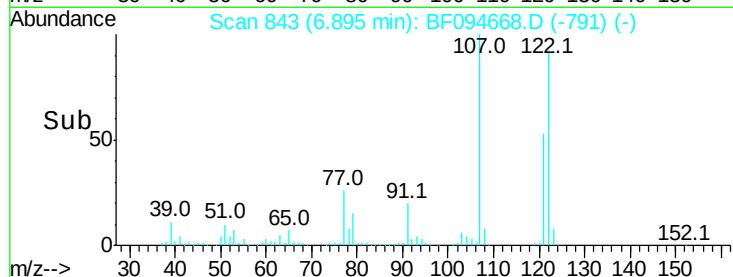
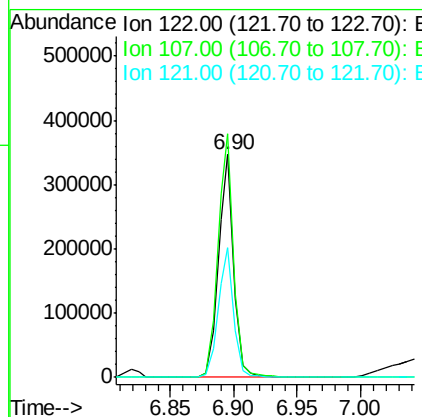
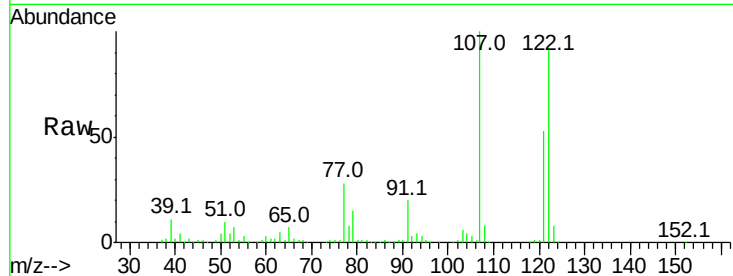
#27
 2,4-Dimethylphenol
 Concen: 42.04 ng
 RT: 6.90 min Scan# 843
 Delta R.T. 0.00 min
 Lab File: BF094668.D
 Acq: 27 Apr 2017 17:25

Instrument :
 BNA_F
 ClientSampleId :
 PB98520BS

Tot Ion	Ratio	Resp	Lower	Upper
122	100	292947		
107	109.2	89.2	133.8	
121	58.1	45.2	67.8	

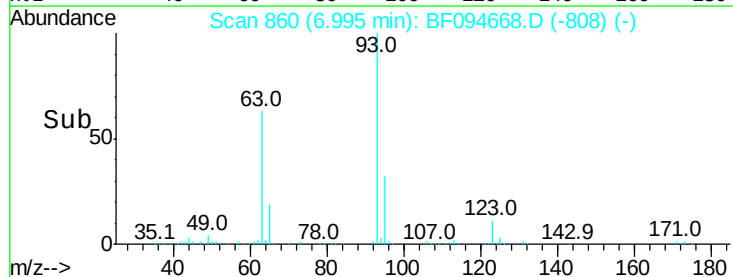
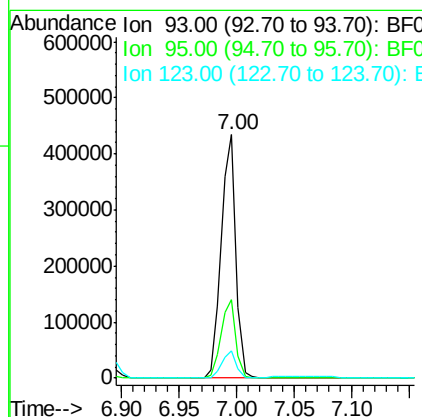
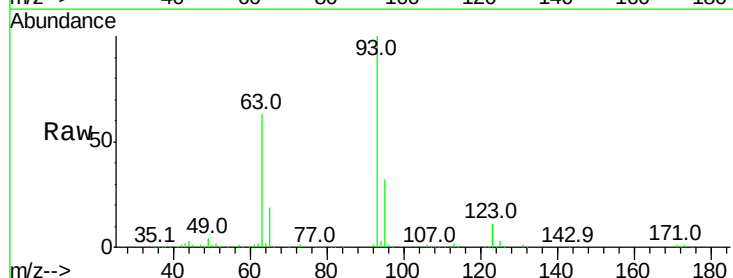
Manual Integrations
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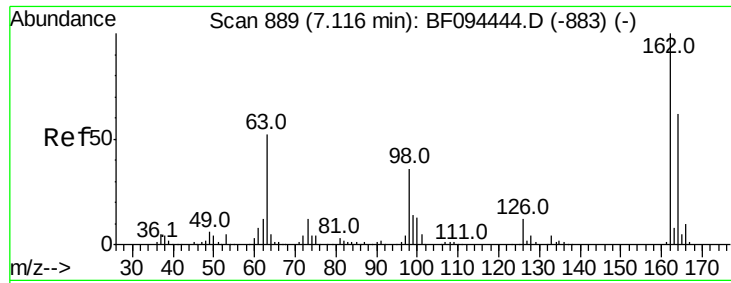
mohammad
 4/28/2017 3:00:37 PM



#28
 bis(2-Chloroethoxy)methane
 Concen: 42.12 ng
 RT: 7.00 min Scan# 860
 Delta R.T. 0.00 min
 Lab File: BF094668.D
 Acq: 27 Apr 2017 17:25

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	382888		
95	32.4	26.5	39.7	
123	11.1	9.0	13.4	





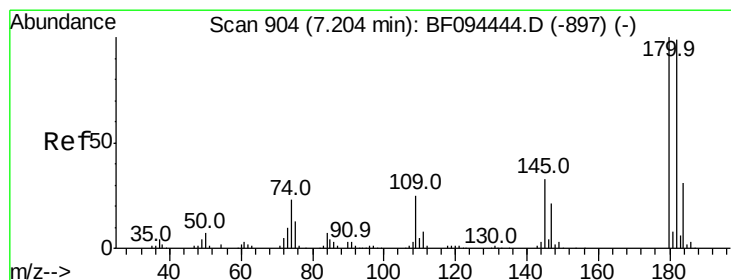
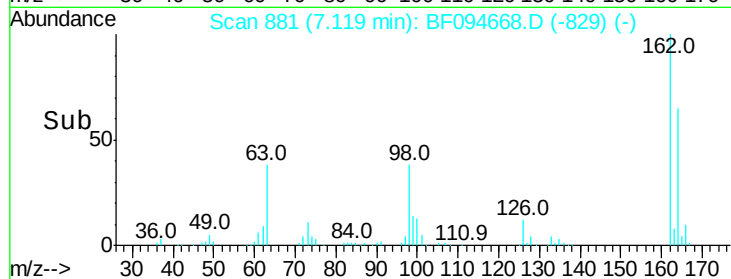
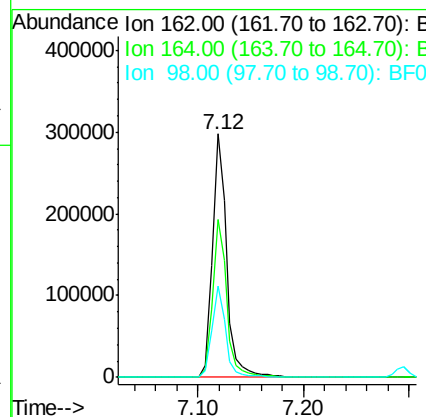
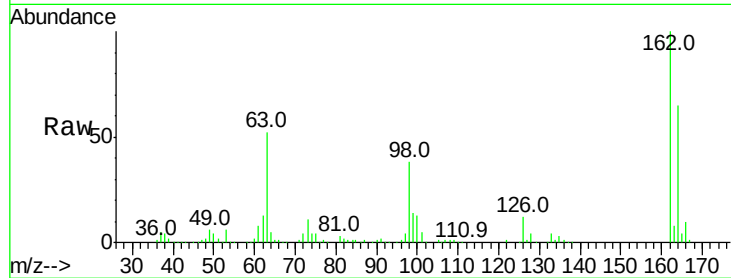
#29
 2,4-Dichlorophenol
 Concen: 43.39 ng
 RT: 7.12 min Scan# 881
 Delta R.T. 0.00 min
 Lab File: BF094668.D
 Acq: 27 Apr 2017 17:25

Instrument :
 BNA_F
 ClientSampleId :
 PB98520BS

Tot Ion	Ratio	Resp	Lower	Upper
162	100	281234		
164	64.7	44.6	84.6	
98	37.7	14.8	54.8	

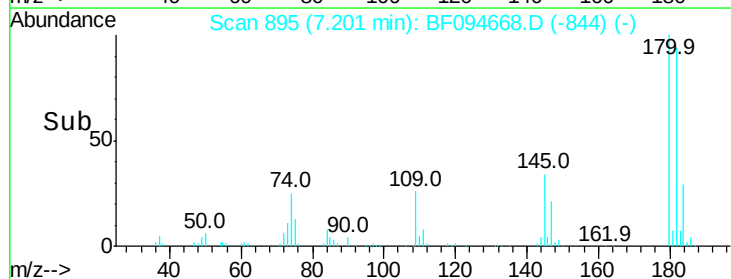
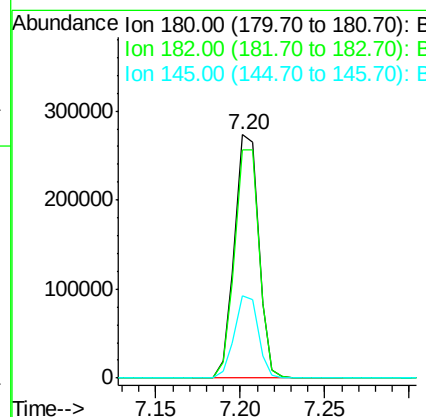
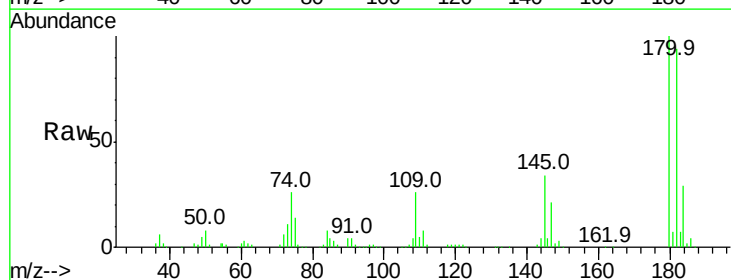
Manual Integrations
 APPROVED

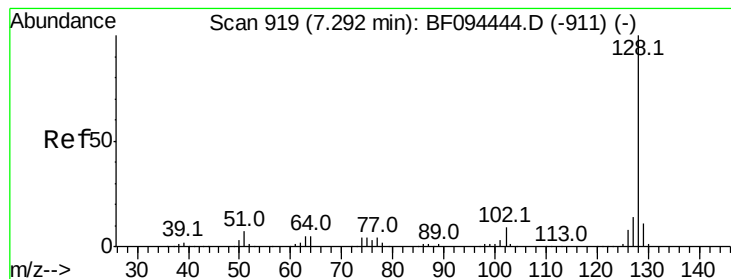
mohammad
 4/28/2017 3:00:37 PM



#30
 1,2,4-Trichlorobenzene
 Concen: 40.78 ng
 RT: 7.20 min Scan# 895
 Delta R.T. -0.00 min
 Lab File: BF094668.D
 Acq: 27 Apr 2017 17:25

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	273280		
182	93.5	75.8	113.6	
145	33.6	25.3	37.9	





#31

Naphthalene

Concen: 40.91 ng

RT: 7.30 min Scan# 911

Delta R.T. 0.00 min

Lab File: BF094668.D

Acq: 27 Apr 2017 17:25

Instrument :

BNA_F

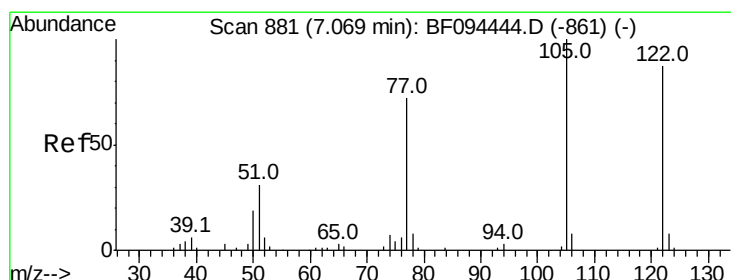
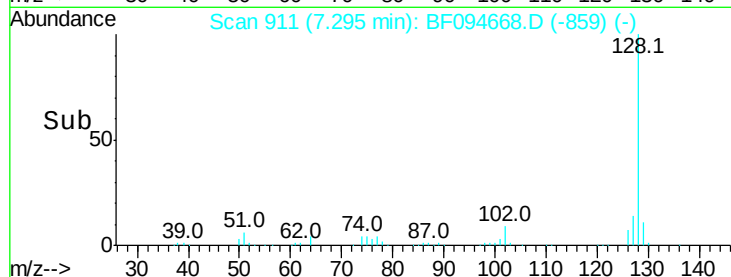
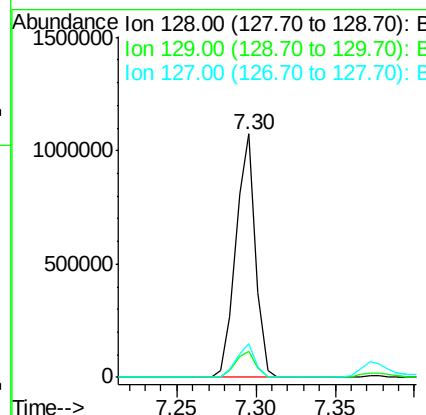
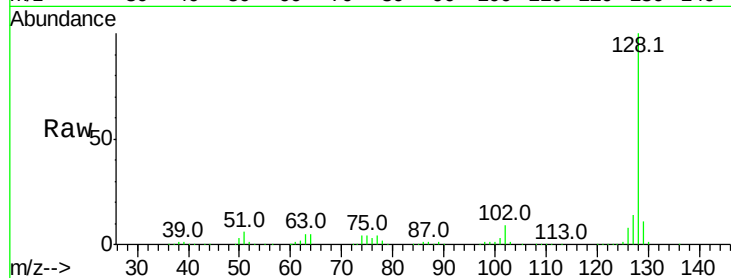
ClientSampleId :

PB98520BS

Tot Ion	Ratio	Resp	Lower	Upper
128	100	920657		
129	10.9		9.0	13.6
127	13.7		10.8	16.2

Manual Integrations
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#32

Benzoic acid

Concen: 39.31 ng

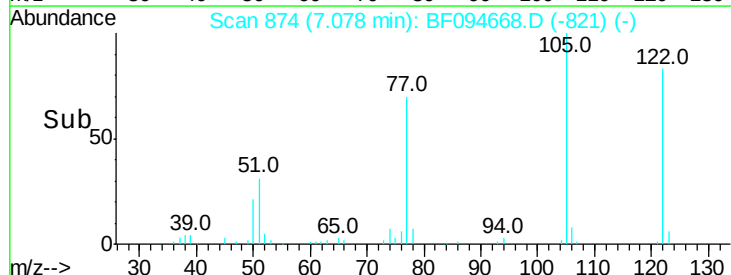
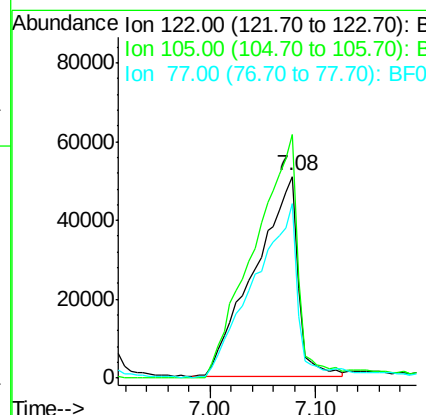
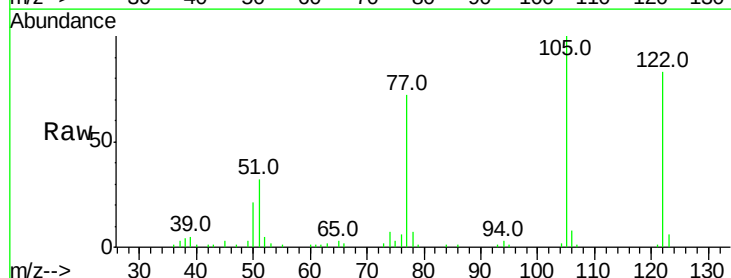
RT: 7.08 min Scan# 874

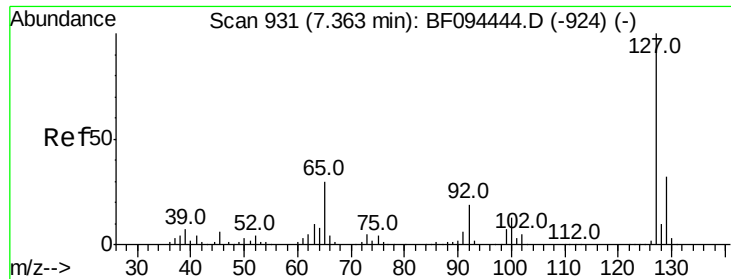
Delta R.T. 0.01 min

Lab File: BF094668.D

Acq: 27 Apr 2017 17:25

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	144848		
105	120.7		103.3	143.3
77	86.5		73.7	113.7





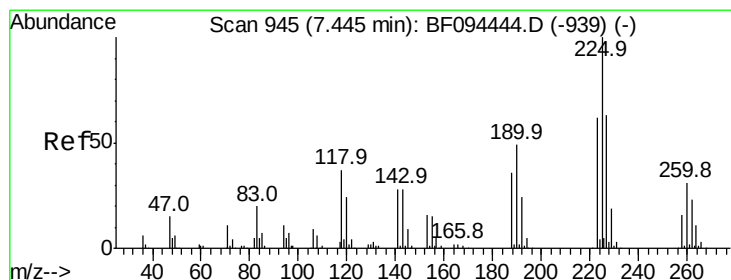
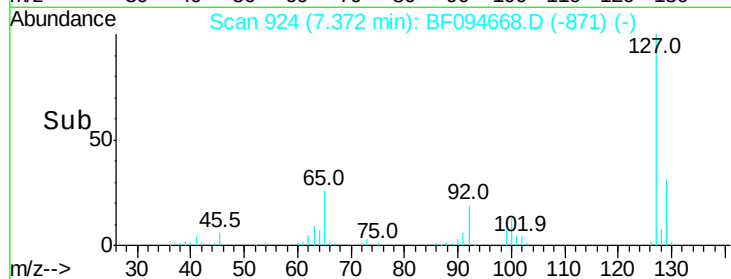
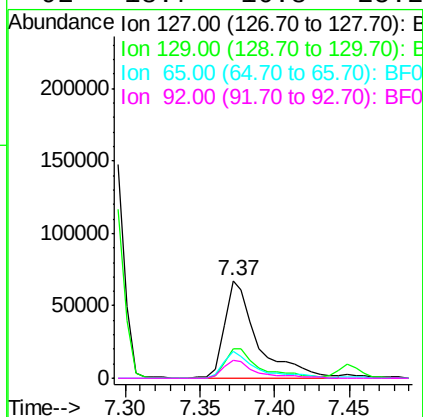
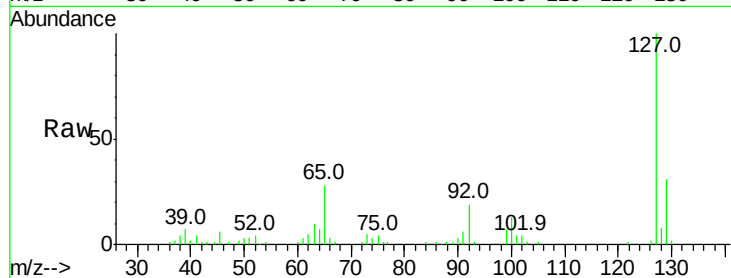
#33
4-Chloroaniline
Concen: 11.15 ng
RT: 7.37 min Scan# 924
Delta R.T. 0.01 min
Lab File: BF094668.D
Acq: 27 Apr 2017 17:25

Instrument :
BNA_F
ClientSampleId :
PB98520BS

Tot Ion	Ratio	Lower	Upper
127	100		
129	30.9	26.2	39.2
65	27.7	27.8	41.8#
92	18.7	16.8	25.2

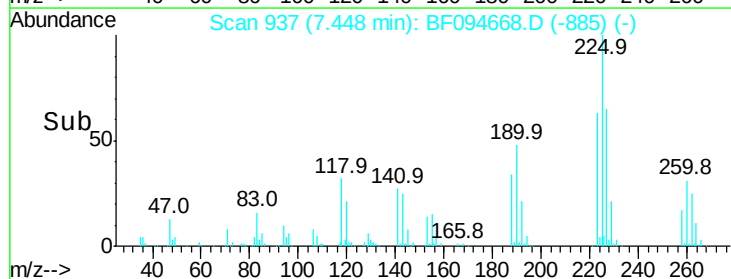
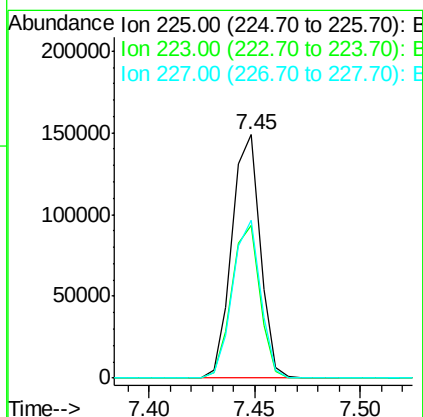
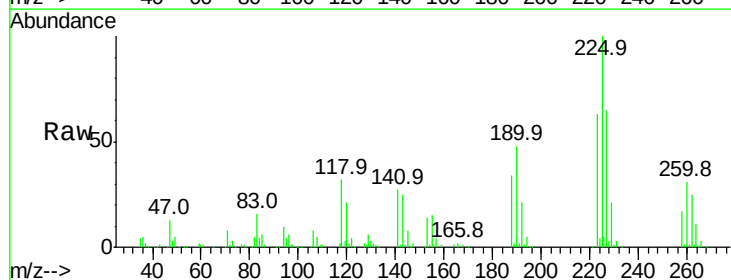
Manual Integrations
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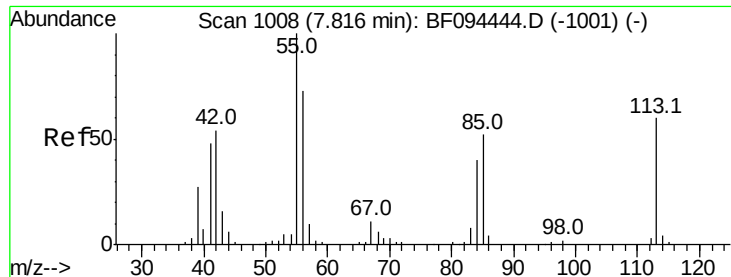
mohammad
4/28/2017 3:00:37 PM



#34
Hexachlorobutadiene
Concen: 41.22 ng
RT: 7.45 min Scan# 937
Delta R.T. 0.00 min
Lab File: BF094668.D
Acq: 27 Apr 2017 17:25

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	48.8	73.2
227	65.0	51.1	76.7





#35

Caprolactam

Concen: 43.68 ng/mL

RT: 7.84 min Scan# 1003

Delta R.T. 0.02 min

Lab File: BF094668.D

Acq: 27 Apr 2017 17:25

Instrument :

BNA_F

ClientSampleID :

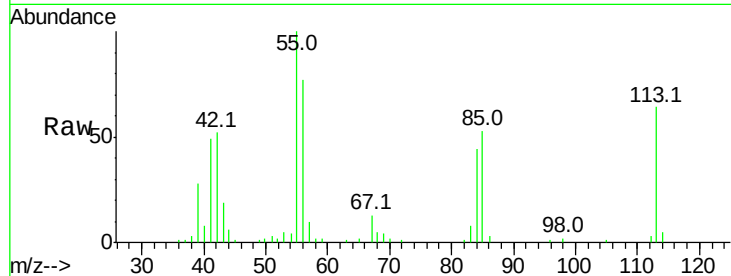
PB98520BS

Tot Ion:113 Resp: 88949

Ion	Ratio	Lower	Upper
113	100		
55	155.4	150.2	190.2
56	119.5	107.8	147.8

Manual Integrations
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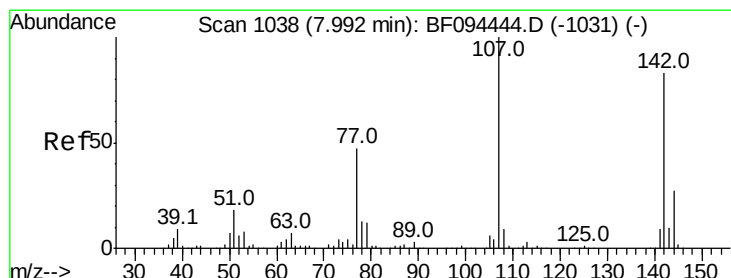
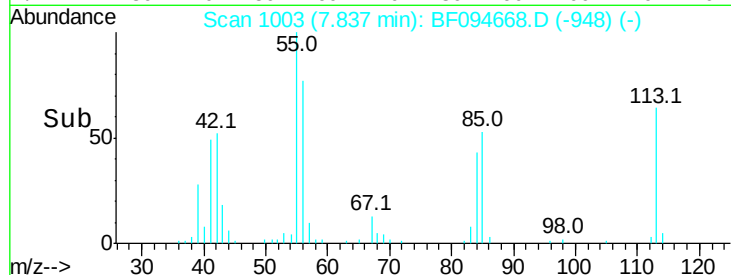
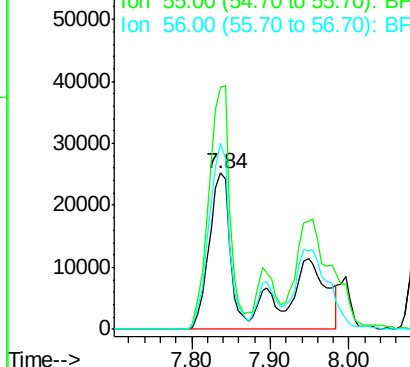
mohammad
4/28/2017 3:00:37 PM



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: 44.36 ng/mL

RT: 8.00 min Scan# 1030

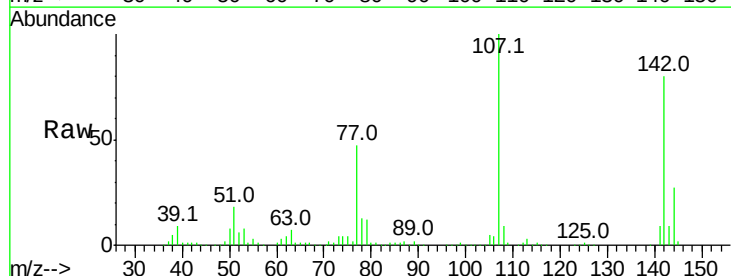
Delta R.T. 0.00 min

Lab File: BF094668.D

Acq: 27 Apr 2017 17:25

Tgt Ion:107 Resp: 301290

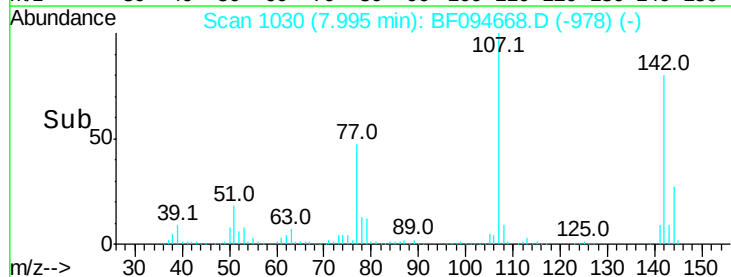
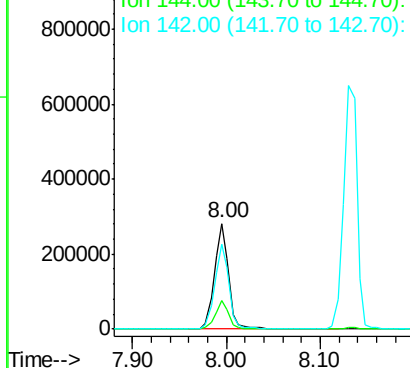
Ion	Ratio	Lower	Upper
107	100		
144	27.1	24.2	36.4
142	80.1	73.4	110.0

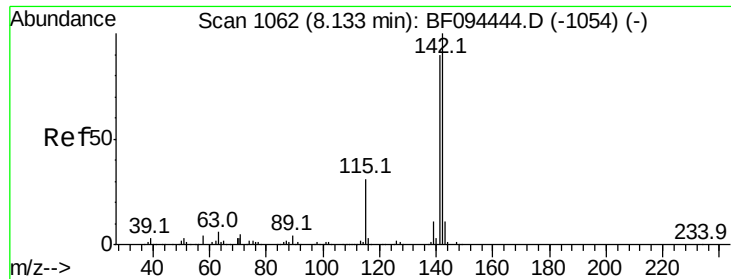


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





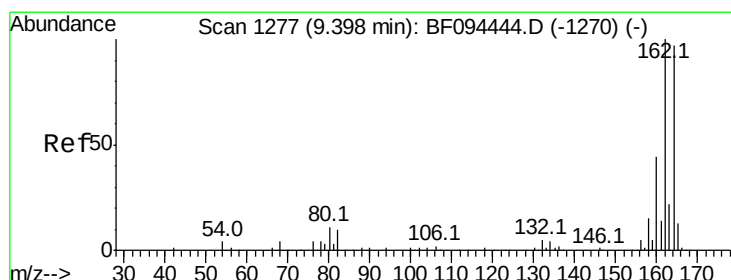
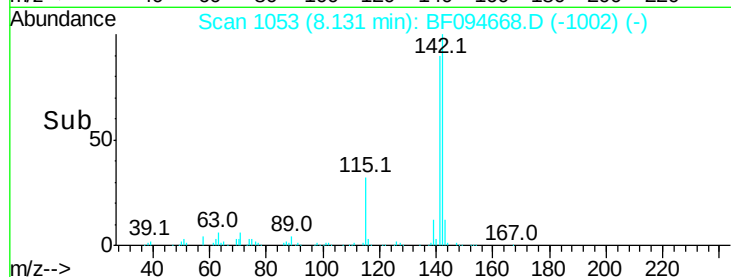
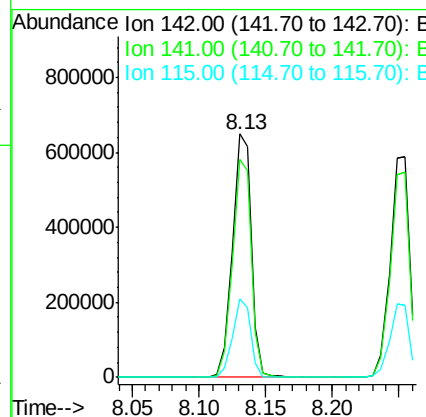
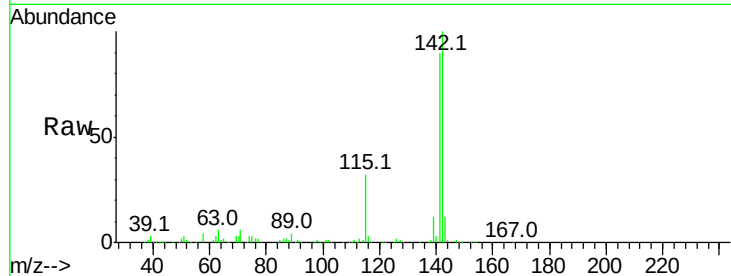
#37
 2-Methylnaphthalene
 Concen: 42.19 ng
 RT: 8.13 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: BF094668.D
 Acq: 27 Apr 2017 17:25

Instrument :
 BNA_F
 ClientSampleId :
 PB98520BS

Tot Ion	Ratio	Resp	Lower	Upper
142	100	649596		
141	89.7	71.3	106.9	
115	32.0	27.1	40.7	

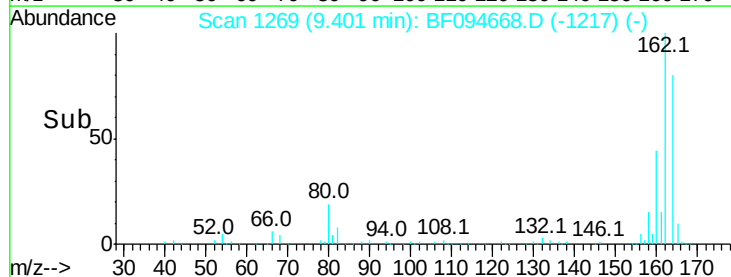
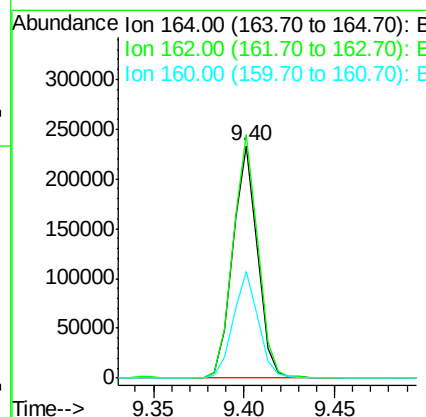
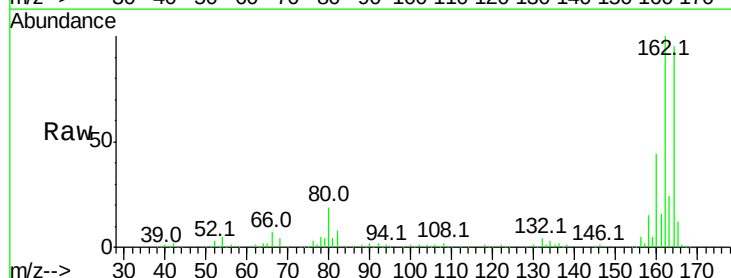
Manual Integrations
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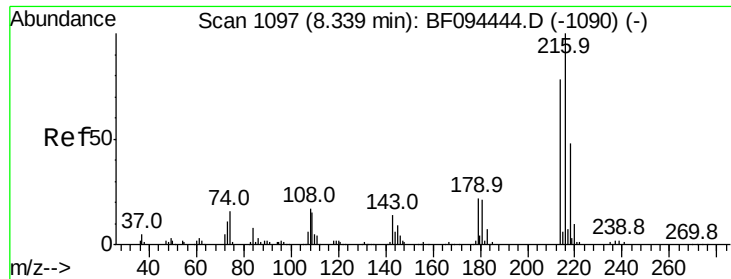
mohammad
 4/28/2017 3:00:37 PM



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.40 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: BF094668.D
 Acq: 27 Apr 2017 17:25

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	221190		
162	104.9	82.6	123.8	
160	46.2	36.2	54.2	





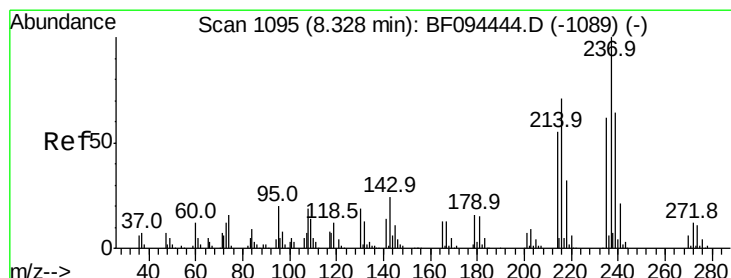
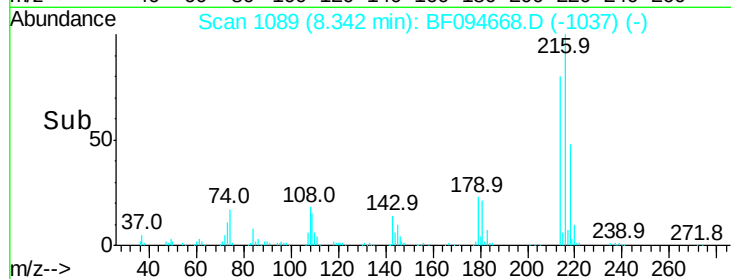
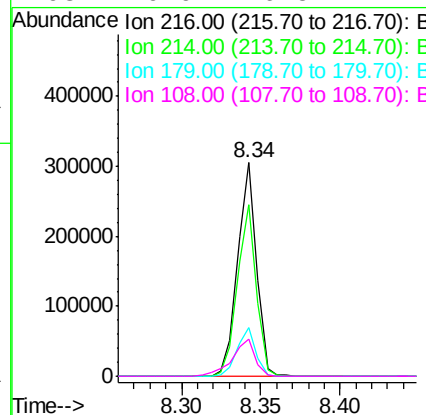
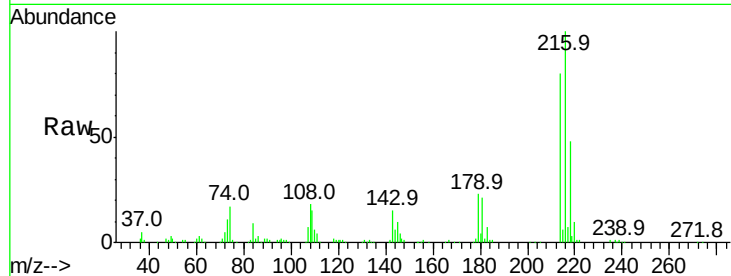
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 40.19 ng
 RT: 8.34 min Scan# 1089
 Delta R.T. 0.00 min
 Lab File: BF094668.D
 Acq: 27 Apr 2017 17:25

Instrument :
 BNA_F
 ClientSampleId :
 PB98520BS

Tot Ion	Ratio	Resp Lower	Resp Upper
216	100		
214	80.1	63.4	95.2
179	22.3	17.9	26.9
108	20.9	16.5	24.7

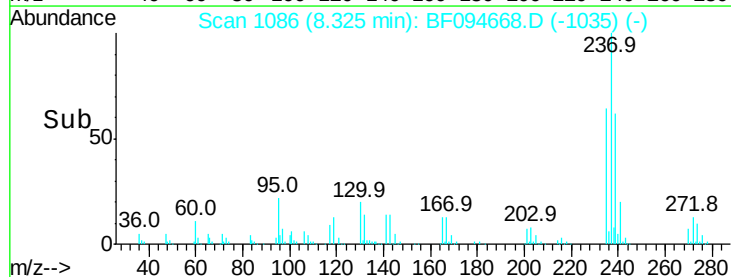
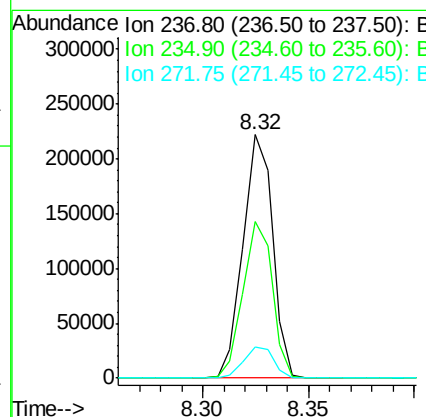
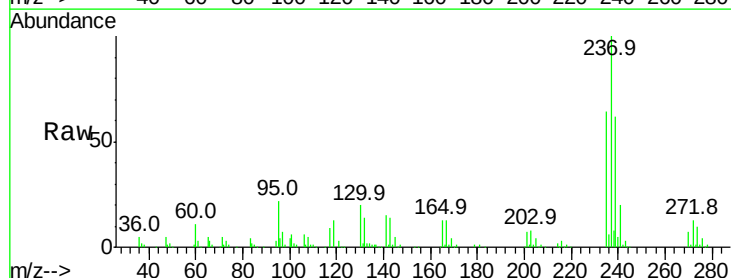
Manual Integrations
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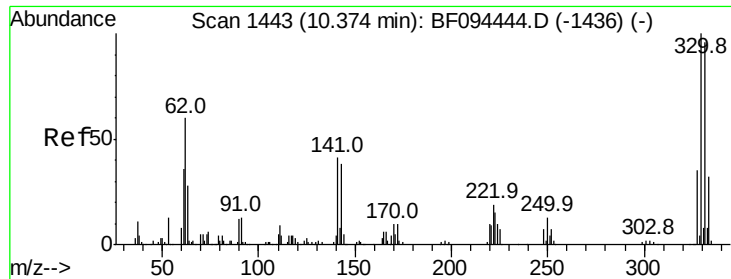
mohammad
 4/28/2017 3:00:37 PM



#40
 Hexachlorocyclopentadiene
 Concen: 84.94 ng
 RT: 8.32 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: BF094668.D
 Acq: 27 Apr 2017 17:25

Tgt Ion	Ratio	Resp Lower	Resp Upper
237	100		
235	64.3	42.6	82.6
272	13.0	0.0	31.9





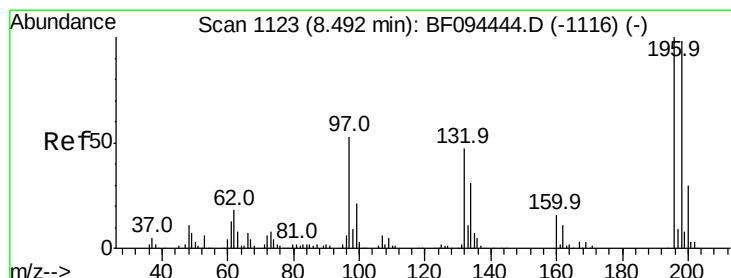
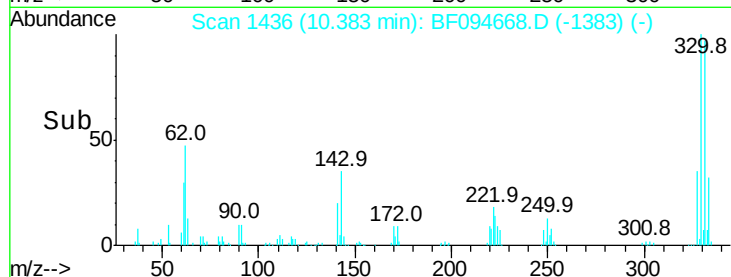
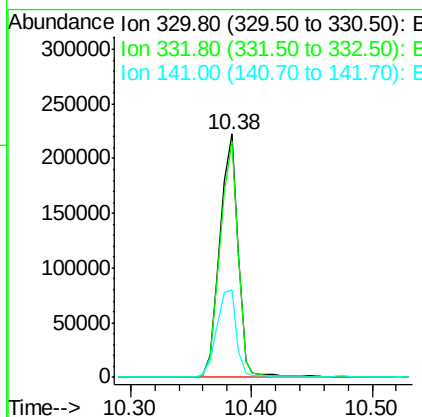
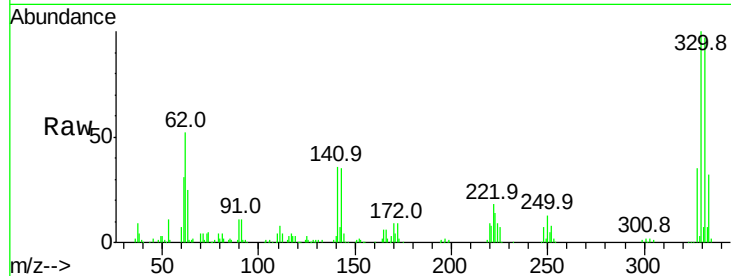
#41
 2,4,6-Tribromophenol
 Concen: 134.72 ng
 RT: 10.38 min Scan# 1436
 Delta R.T. 0.01 min
 Lab File: BF094668.D
 Acq: 27 Apr 2017 17:25

Instrument :
 BNA_F
 ClientSampleId :
 PB98520BS

Tot Ion	Ratio	Resp	Lower	Upper
330	100	233084		
332	96.6	76.6	115.0	
141	38.6	31.4	47.2	

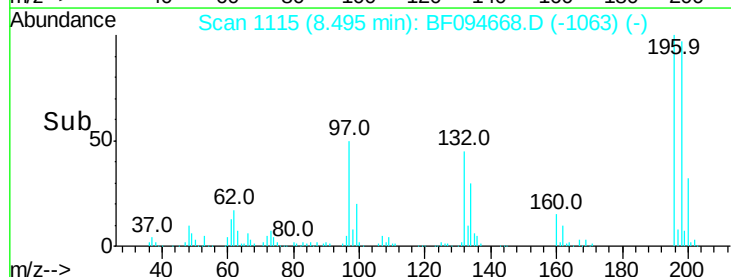
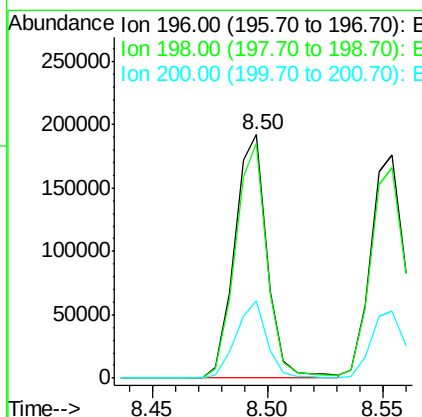
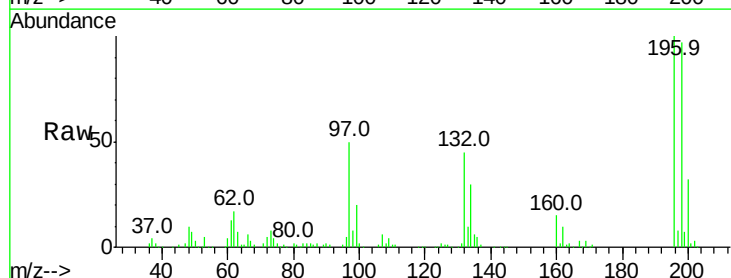
Manual Integrations
 APPROVED

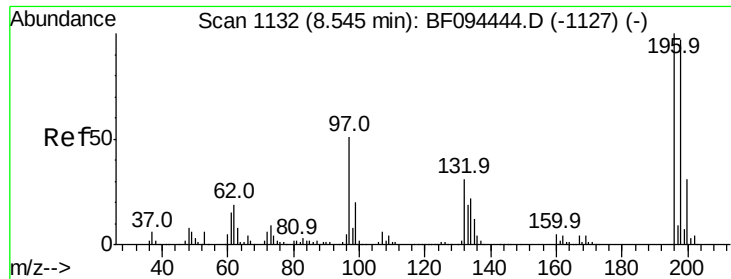
mohammad
 4/28/2017 3:00:37 PM



#42
 2,4,6-Trichlorophenol
 Concen: 42.48 ng
 RT: 8.50 min Scan# 1115
 Delta R.T. 0.00 min
 Lab File: BF094668.D
 Acq: 27 Apr 2017 17:25

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	187897		
198	96.5	74.2	111.4	
200	31.5	24.0	36.0	





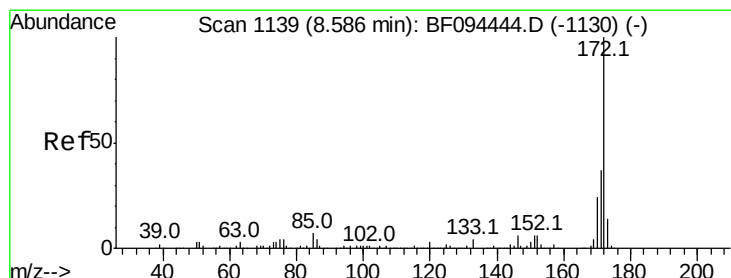
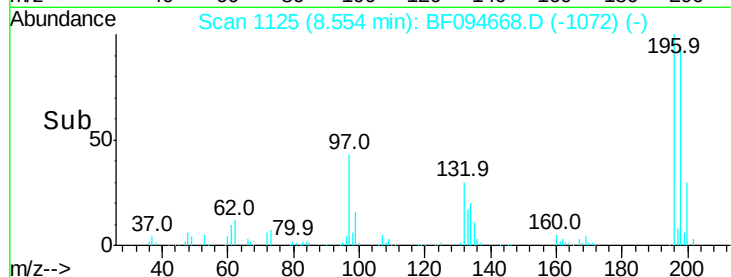
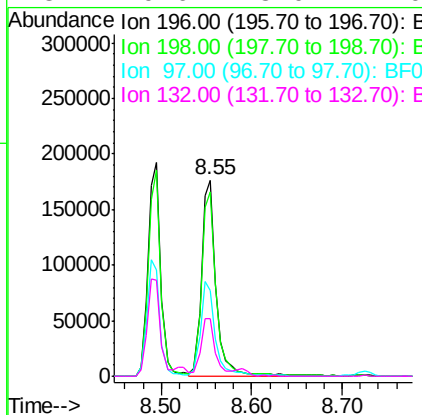
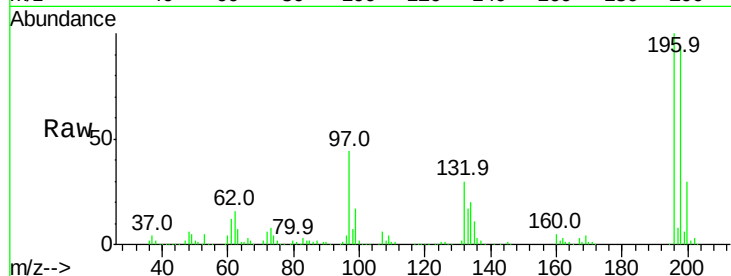
#43
 2,4,5-Trichlorophenol
 Concen: 44.05 ng
 RT: 8.55 min Scan# 1125
 Delta R.T. 0.01 min
 Lab File: BF094668.D
 Acq: 27 Apr 2017 17:25

Instrument :
 BNA_F
 ClientSampleId :
 PB98520BS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	200094		
198	94.0		75.7	113.5
97	43.7		47.7	71.5#
132	29.6		28.0	42.0

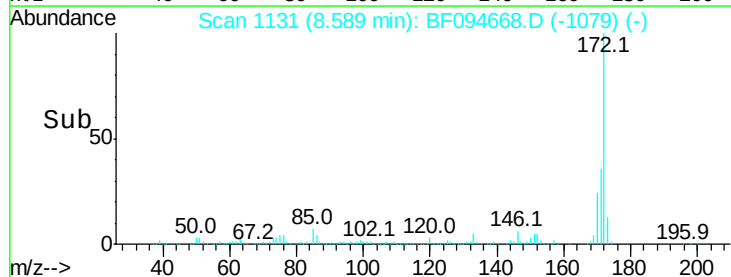
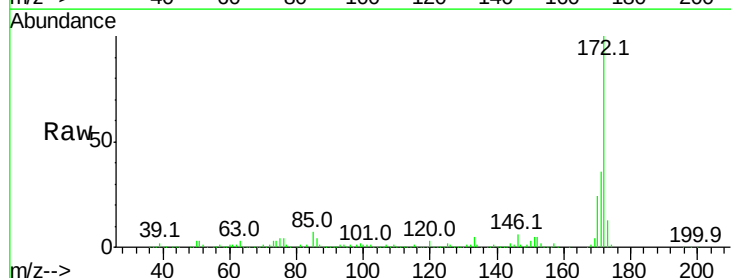
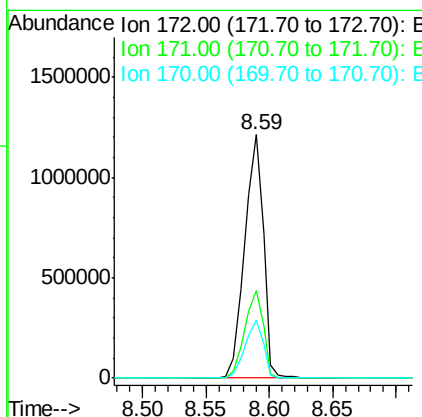
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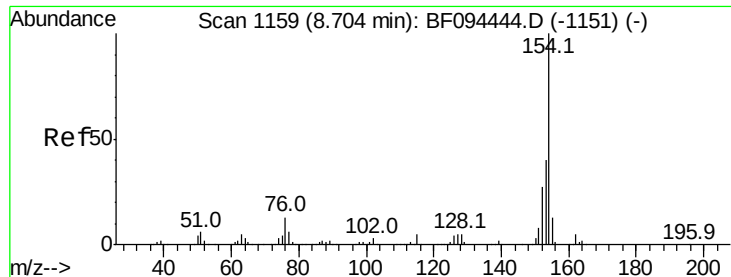
mohammad
 4/28/2017 3:00:37 PM



#44
 2-Fluorobiphenyl
 Concen: 82.21 ng
 RT: 8.59 min Scan# 1131
 Delta R.T. 0.00 min
 Lab File: BF094668.D
 Acq: 27 Apr 2017 17:25

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1235957		
171	36.2		29.6	44.4
170	24.0		19.8	29.8





#45

1,1'-Biphenyl

Concen: 41.37 ng

RT: 8.71 min Scan# 1151

Delta R.T. 0.00 min

Lab File: BF094668.D

Acq: 27 Apr 2017 17:25

Instrument :

BNA_F

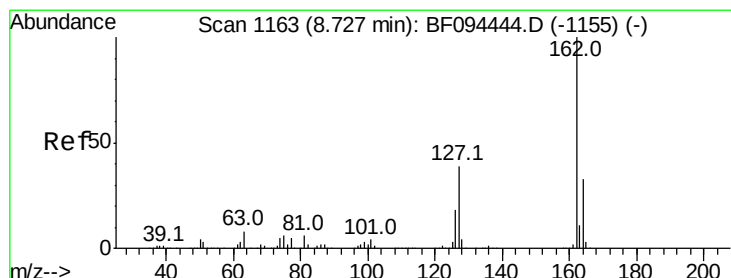
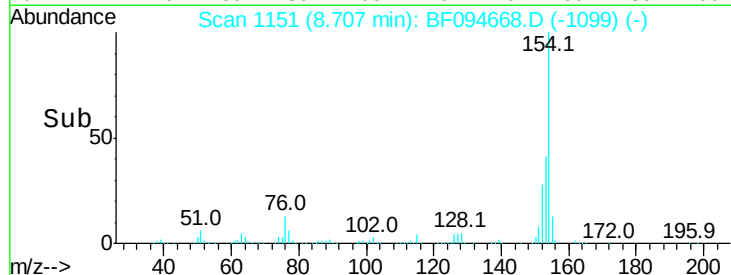
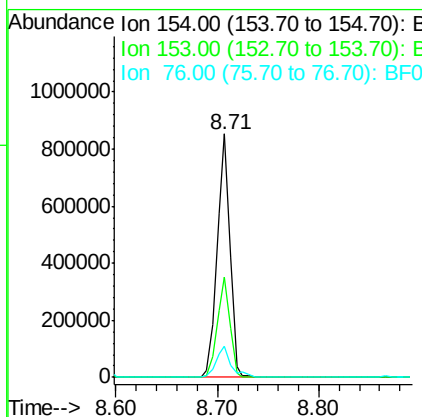
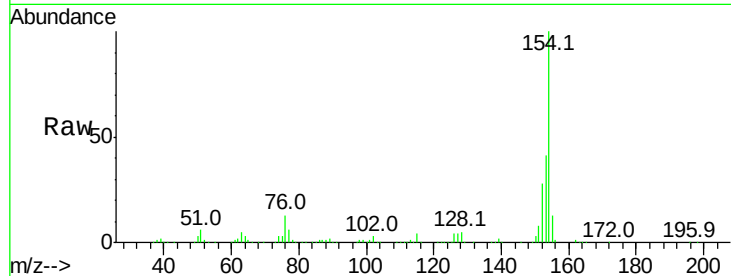
ClientSampleId :

PB98520BS

Tot Ion:	154	Resp:	747573
Ion Ratio	Lower	Upper	
154	100		
153	41.0	21.2	61.2
76	13.0	0.0	29.9

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#46

2-Chloronaphthalene

Concen: 41.22 ng

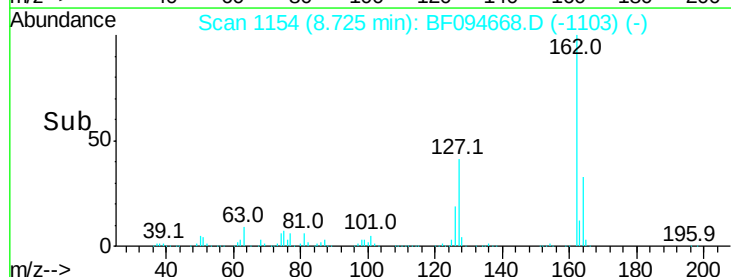
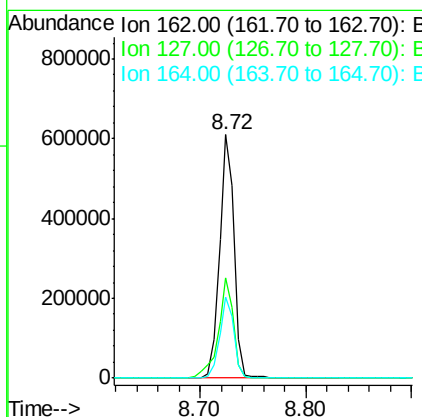
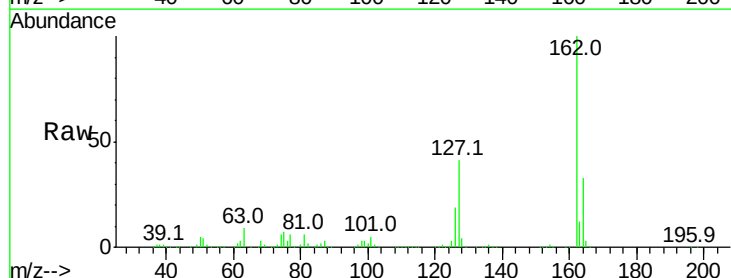
RT: 8.72 min Scan# 1154

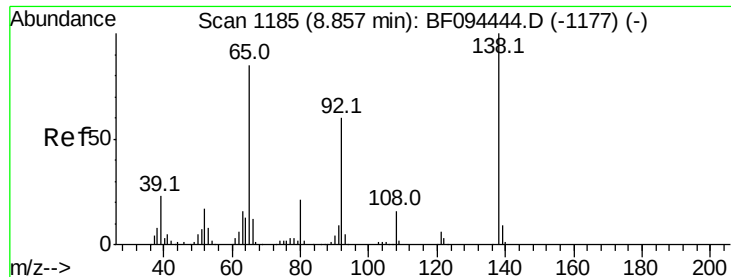
Delta R.T. -0.00 min

Lab File: BF094668.D

Acq: 27 Apr 2017 17:25

Tgt Ion:	162	Resp:	592354
Ion Ratio	Lower	Upper	
162	100		
127	41.1	28.3	42.5
164	33.3	27.0	40.4





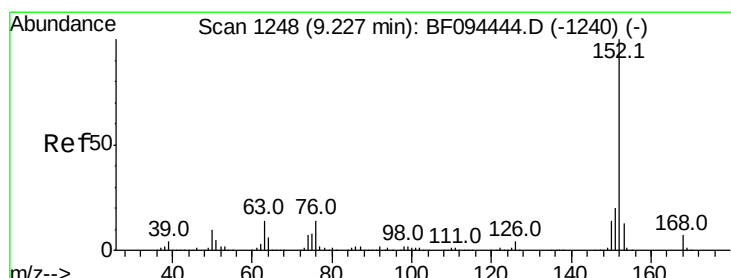
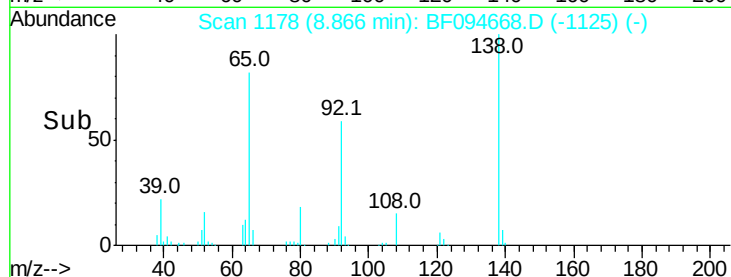
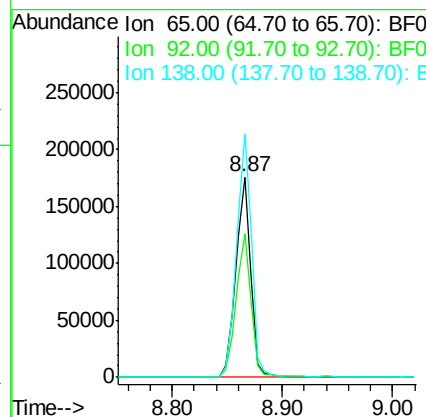
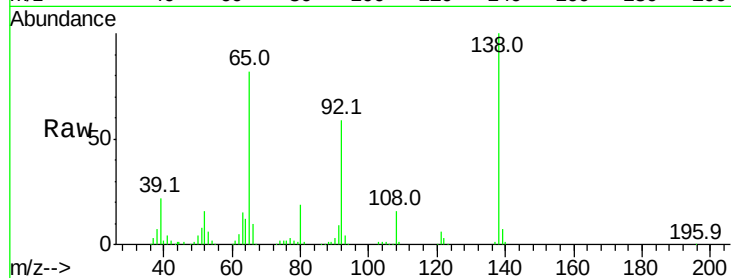
#47
2-Nitroaniline
Concen: 40.68 ng
RT: 8.87 min Scan# 1178
Delta R.T. 0.01 min
Lab File: BF094668.D
Acq: 27 Apr 2017 17:25

Instrument :
BNA_F
ClientSampled :
PB98520BS

Tot Ion	Ratio	Lower	Upper
65	100		
92	71.6	53.9	80.9
138	121.7	78.8	118.2

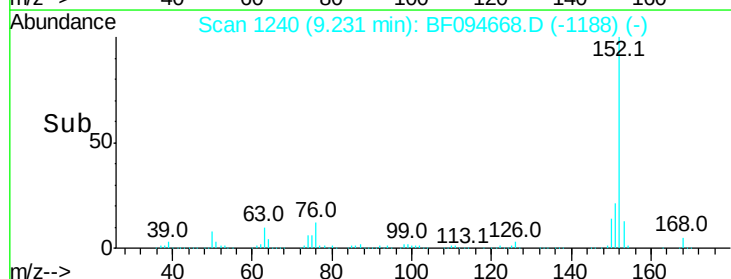
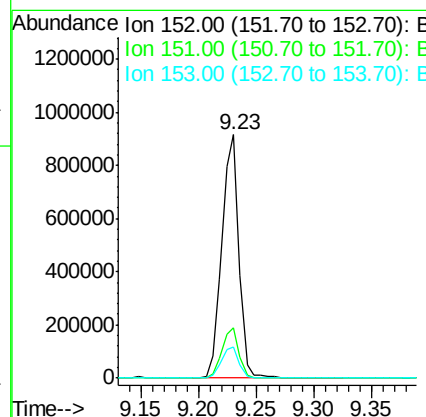
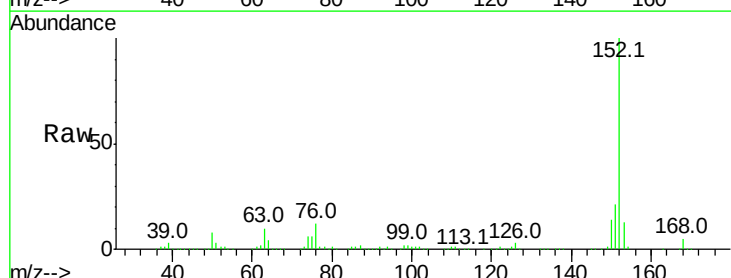
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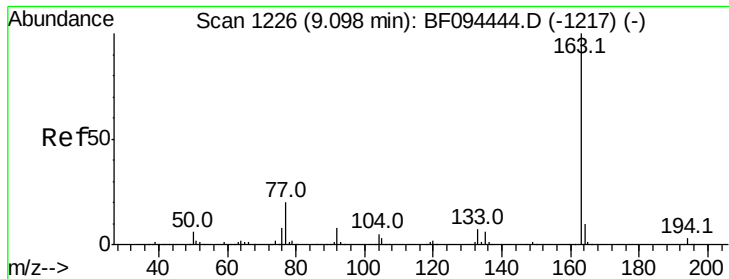
mohammad
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#48
Acenaphthylene
Concen: 41.84 ng
RT: 9.23 min Scan# 1240
Delta R.T. 0.00 min
Lab File: BF094668.D
Acq: 27 Apr 2017 17:25

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.8	25.2
153	13.0	10.8	16.2





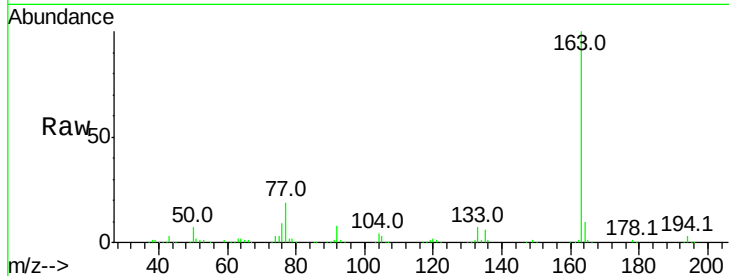
#49
Dimethylphthalate
Concen: 44.55 ng
RT: 9.11 min Scan# 1219
Delta R.T. 0.01 min
Lab File: BF094668.D
Acq: 27 Apr 2017 17:25

Instrument :
BNA_F
ClientSampleId :
PB98520BS

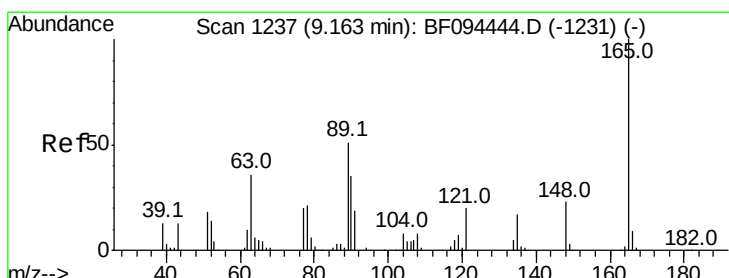
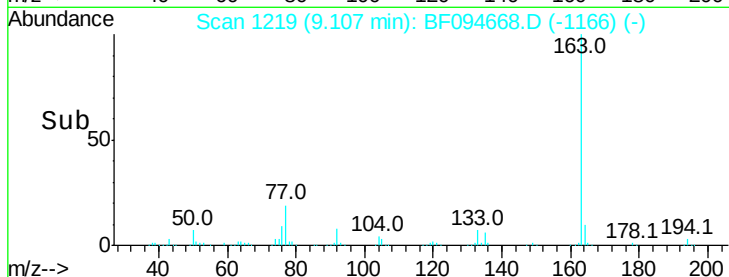
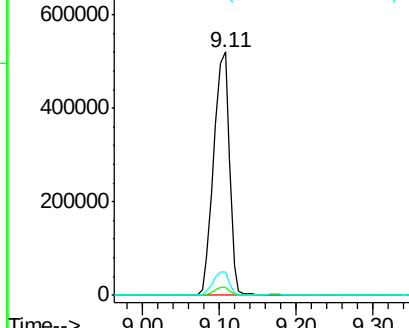
Tot Ion	Ratio	Resp	Lower	Upper
163	100	734351		
194	3.5	2.6	4.0	
164	9.9	8.4	12.6	

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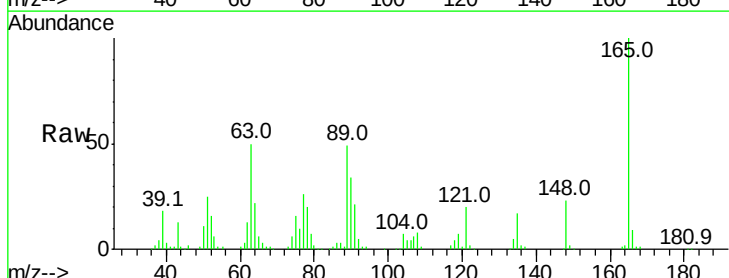


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

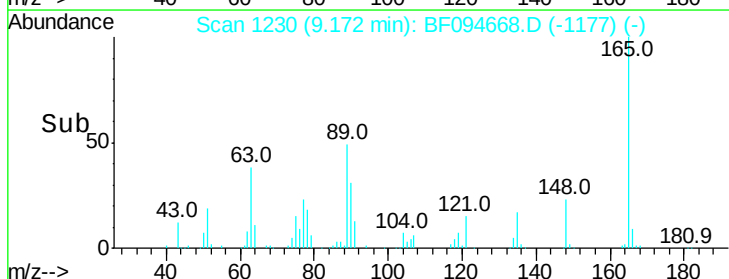
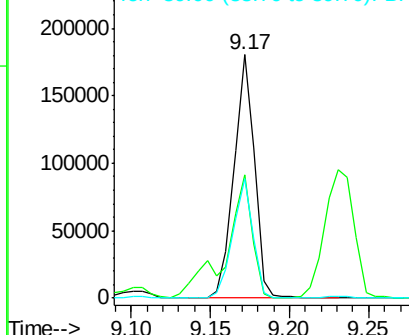


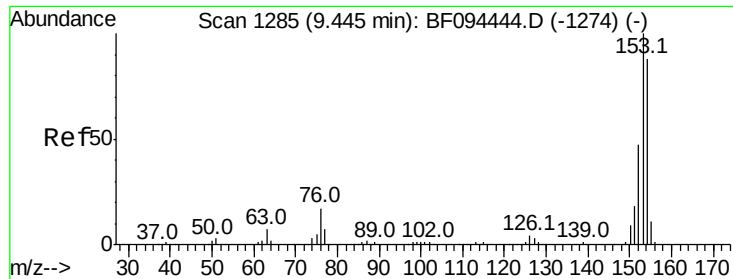
#50
2,6-Dinitrotoluene
Concen: 43.86 ng
RT: 9.17 min Scan# 1230
Delta R.T. 0.01 min
Lab File: BF094668.D
Acq: 27 Apr 2017 17:25

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	162289		
63	50.5	34.3	51.5	
89	49.2	37.1	55.7	



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 42.06 ng

RT: 9.44 min Scan# 1276

Delta R.T. -0.00 min

Lab File: BF094668.D

Acq: 27 Apr 2017 17:25

Instrument :

BNA_F

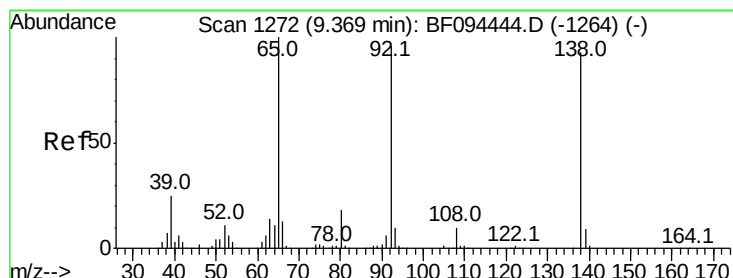
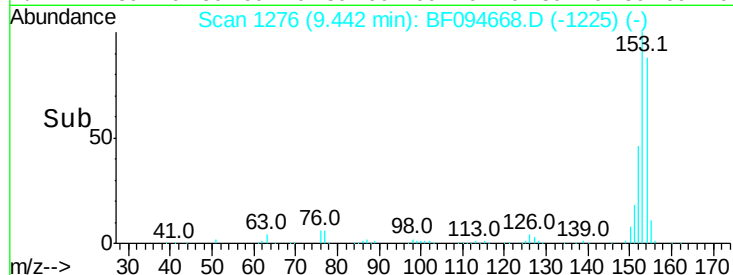
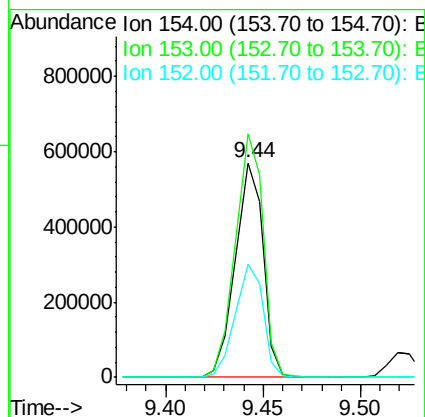
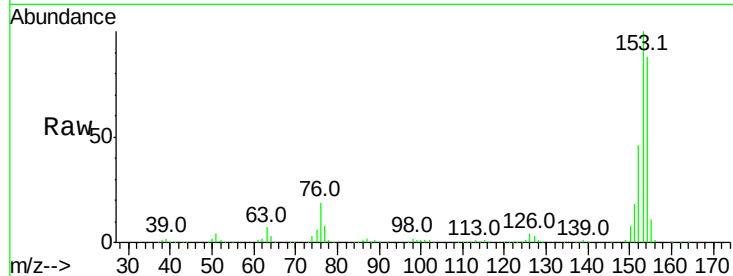
ClientSampleId :

PB98520BS

Tot Ion:	154	Resp:	564264
Ion Ratio	Lower	Upper	
154	100		
153	113.4	90.5	135.7
152	52.7	43.6	65.4

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#52

3-Nitroaniline

Concen: 17.98 ng

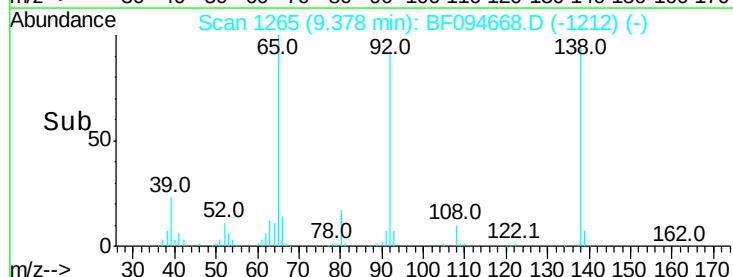
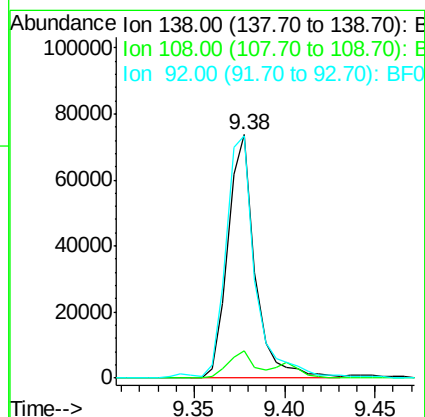
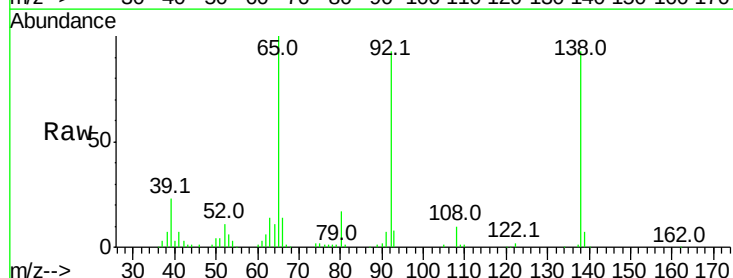
RT: 9.38 min Scan# 1265

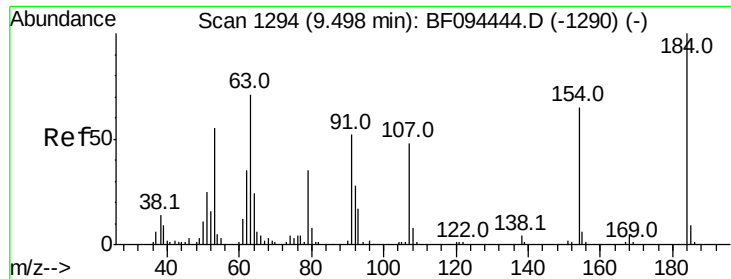
Delta R.T. 0.01 min

Lab File: BF094668.D

Acq: 27 Apr 2017 17:25

Tgt Ion:	138	Resp:	76987
Ion Ratio	Lower	Upper	
138	100		
108	11.0	9.1	13.7
92	99.5	93.8	140.6





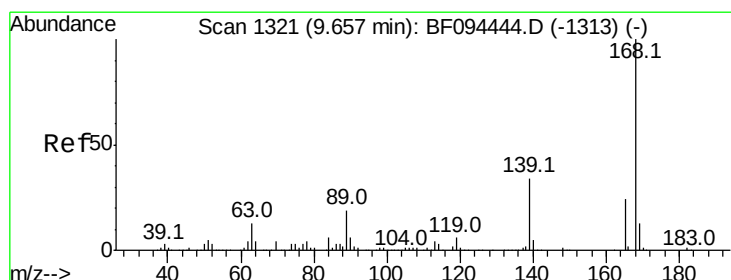
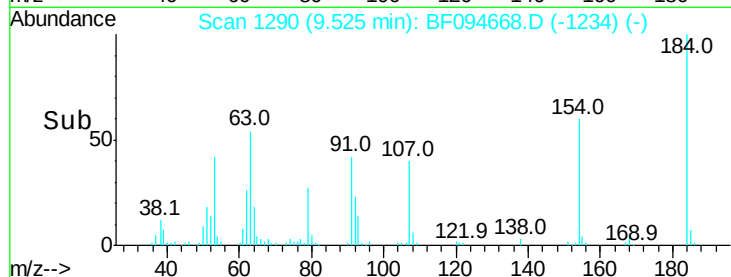
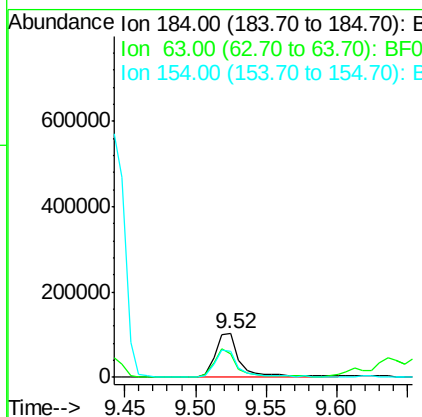
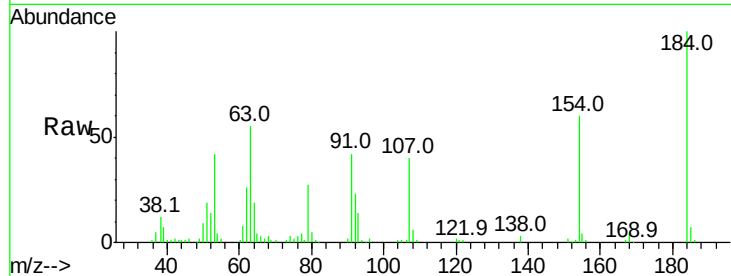
#53
 2,4-Dinitrophenol
 Concen: 65.02 ng
 RT: 9.52 min Scan# 1290
 Delta R.T. 0.03 min
 Lab File: BF094668.D
 Acq: 27 Apr 2017 17:25

Instrument :
 BNA_F
 ClientSampleId :
 PB98520BS

Tot Ion	Ratio	Resp	Lower	Upper
184	100	128211		
63	54.7	62.7	94.1#	
154	60.4	81.1	121.7#	

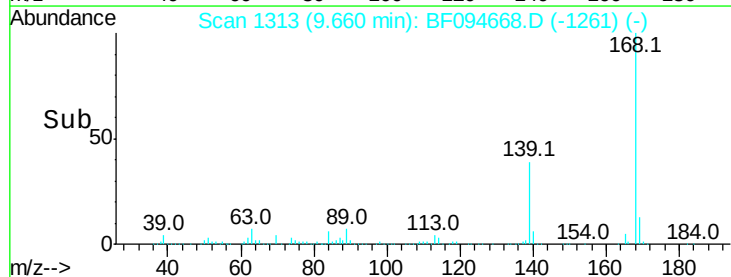
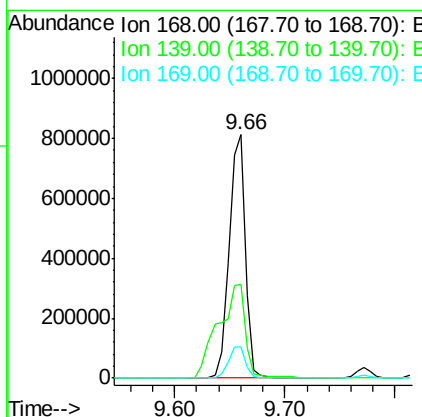
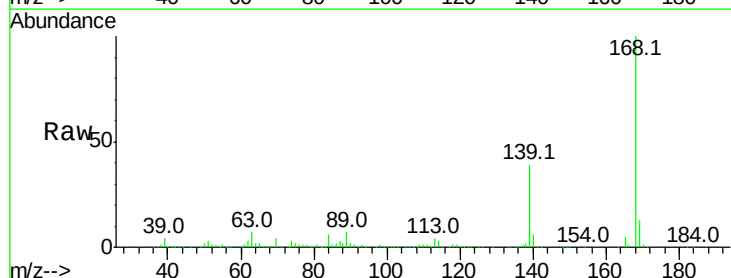
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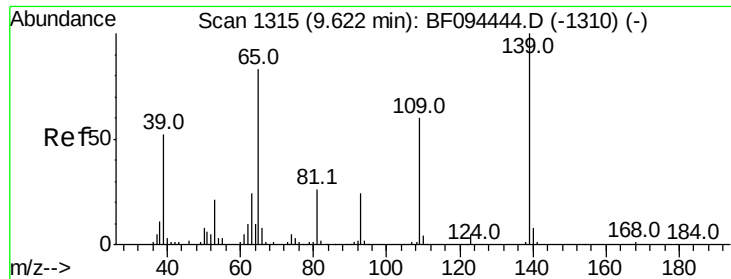
mohammad
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#54
 Dibenzofuran
 Concen: 42.84 ng
 RT: 9.66 min Scan# 1313
 Delta R.T. 0.00 min
 Lab File: BF094668.D
 Acq: 27 Apr 2017 17:25

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	835441		
139	38.5	30.6	45.8	
169	13.0	10.8	16.2	





#55

4-Nitrophenol

Concen: 61.44 ng/mL

RT: 9.64 min Scan# 1310

Delta R.T. 0.02 min

Lab File: BF094668.D

Acq: 27 Apr 2017 17:25

Instrument :

BNA_F

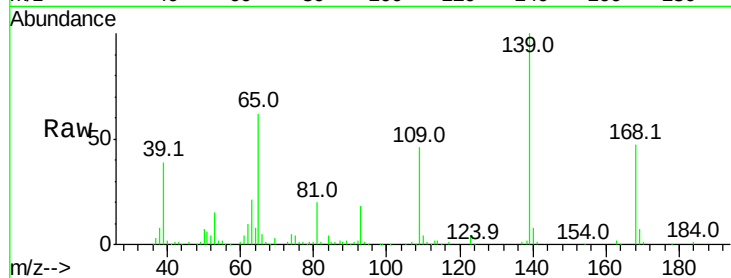
ClientSampleId :

PB98520BS

Tot Ion:139	Resp:	185821
Ion Ratio	Lower	Upper
139	100	
109	46.2	34.1 74.1
65	62.3	31.4 71.4

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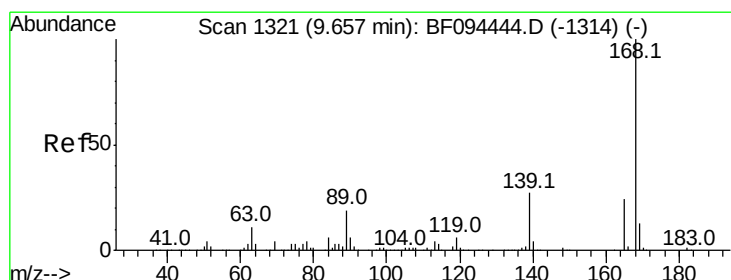
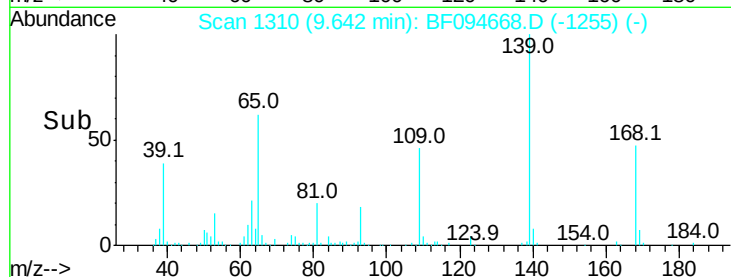
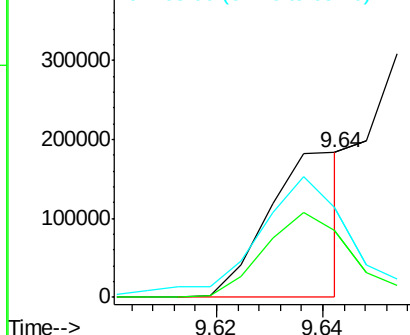


Abundance

Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 47.39 ng/mL

RT: 9.67 min Scan# 1315

Delta R.T. 0.01 min

Lab File: BF094668.D

Acq: 27 Apr 2017 17:25

Tgt Ion:165	Resp:	215160
Ion Ratio	Lower	Upper
165	100	
63	40.7	25.4 38.0#
89	65.1	46.4 69.6
182	2.3	1.8 2.6

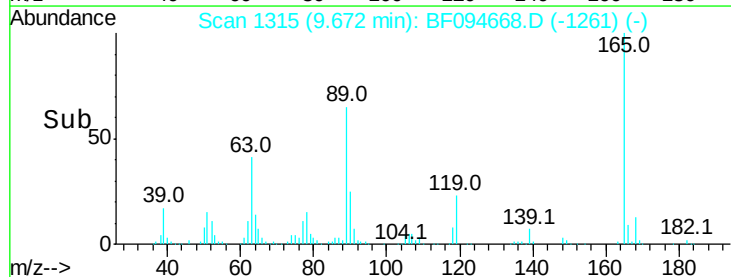
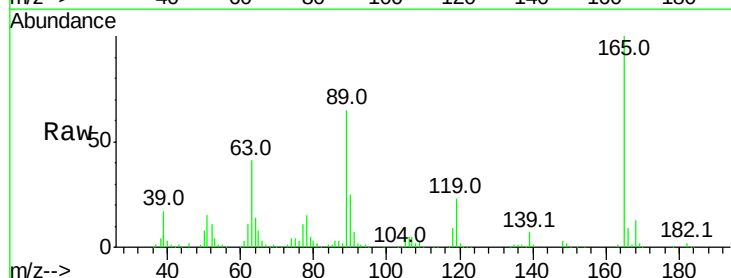
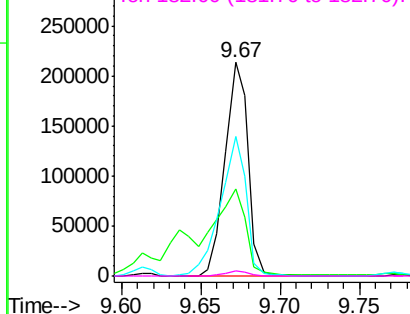
Abundance

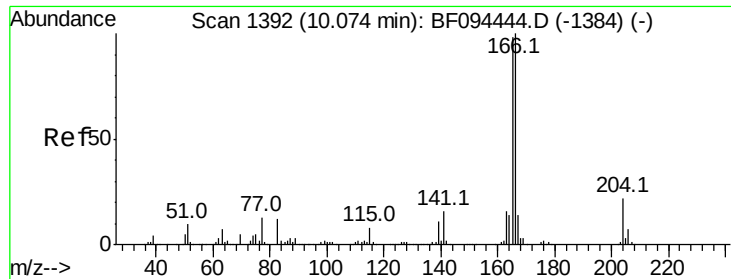
Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





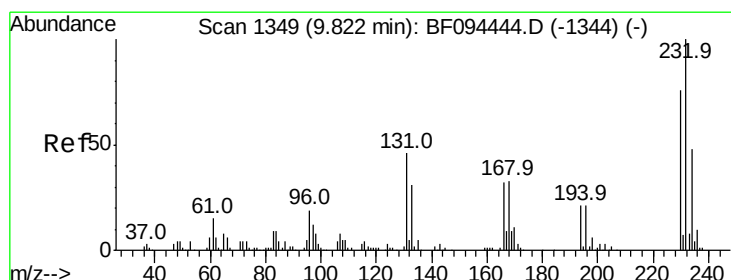
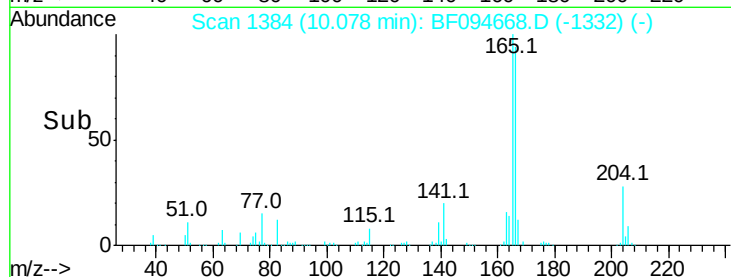
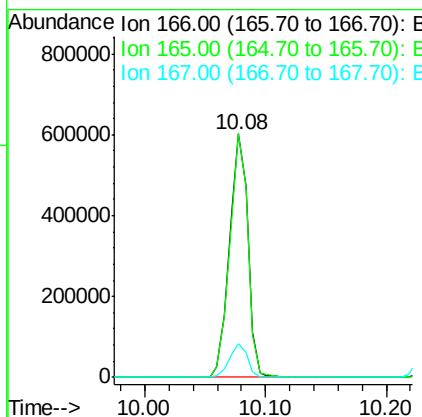
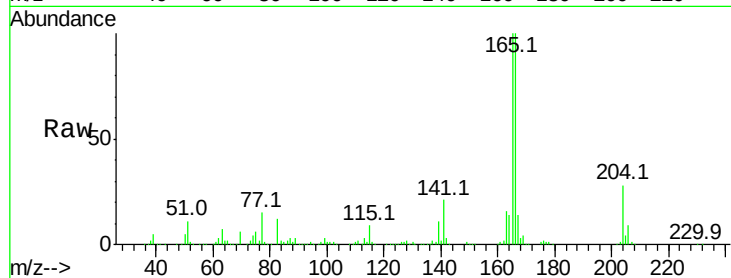
#57
Fluorene
Concen: 42.09 ng
RT: 10.08 min Scan# 1384
Delta R.T. 0.00 min
Lab File: BF094668.D
Acq: 27 Apr 2017 17:25

Instrument :
BNA_F
ClientSampleId :
PB98520BS

Tot Ion	Ratio	Resp	Lower	Upper
166	100	639216		
165	99.8		78.8	118.2
167	14.1		10.6	16.0

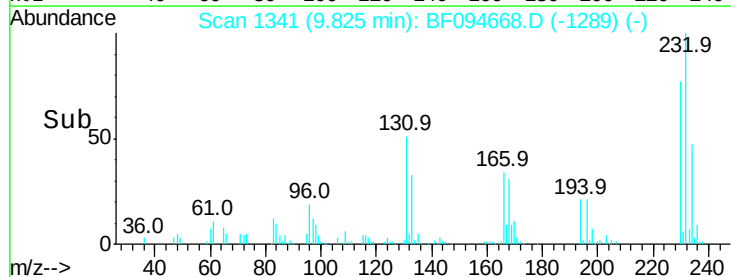
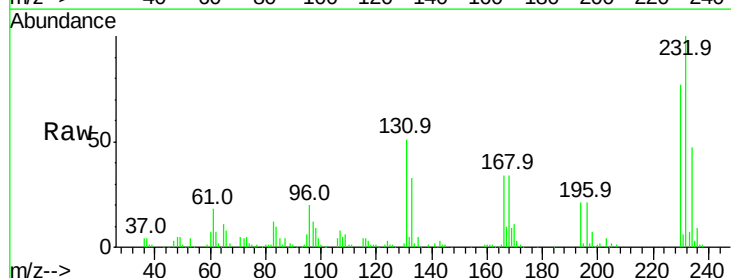
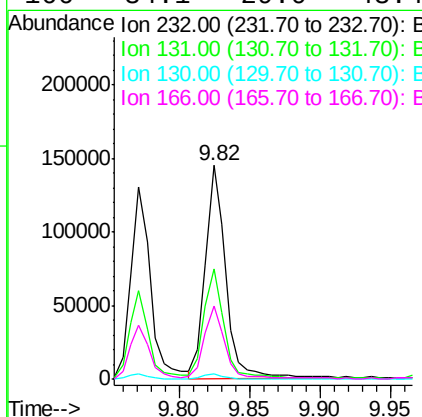
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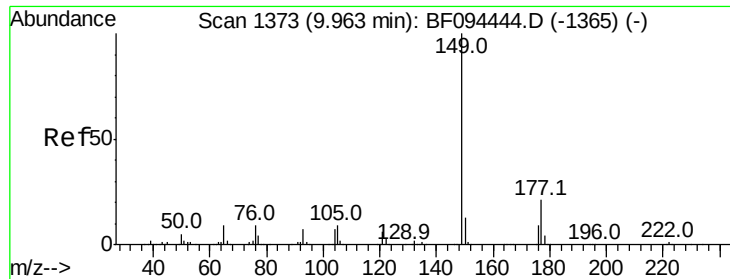
mohammad
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#58
2,3,4,6-Tetrachlorophenol
Concen: 44.55 ng
RT: 9.82 min Scan# 1341
Delta R.T. 0.00 min
Lab File: BF094668.D
Acq: 27 Apr 2017 17:25

Tgt Ion	Ratio	Resp	Lower	Upper
232	100	145059		
231	51.8		44.8	67.2
130	2.3		2.3	3.5#
166	34.1		29.0	43.4





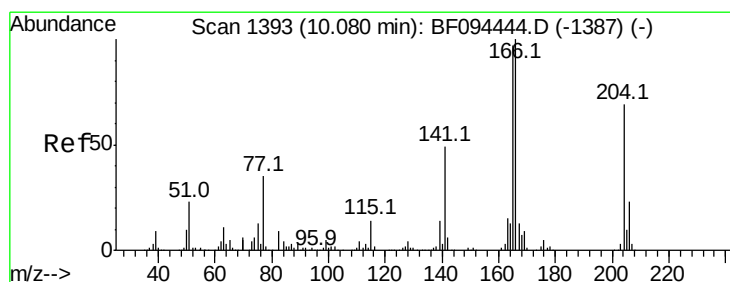
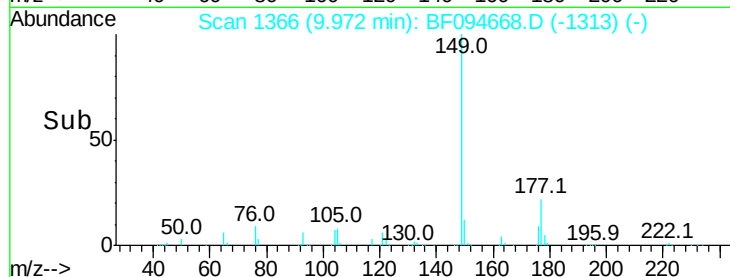
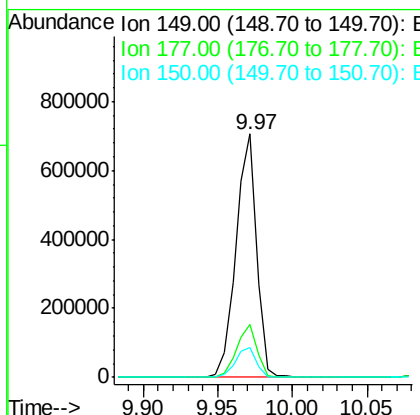
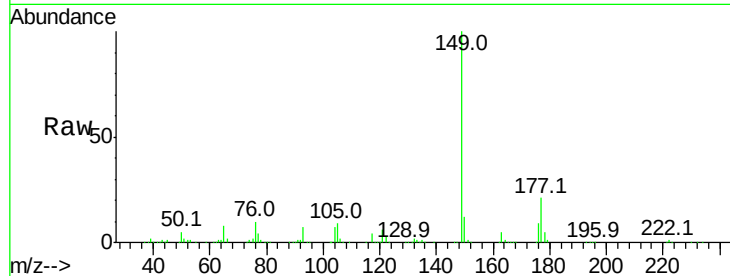
#59
Diethylphthalate
Concen: 44.04 ng
RT: 9.97 min Scan# 1366
Delta R.T. 0.01 min
Lab File: BF094668.D
Acq: 27 Apr 2017 17:25

Instrument :
BNA_F
ClientSampleId :
PB98520BS

Tot Ion	Ratio	Resp	Lower	Upper
149	100	684946		
177	21.5		16.7	25.1
150	12.1		10.2	15.2

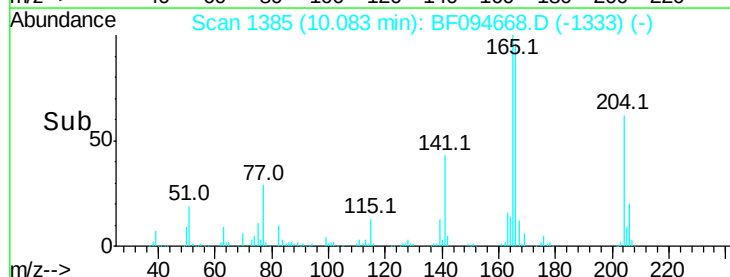
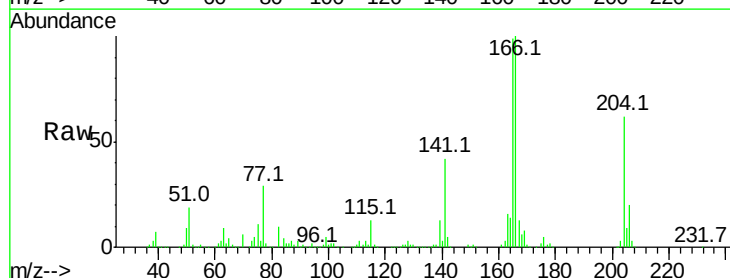
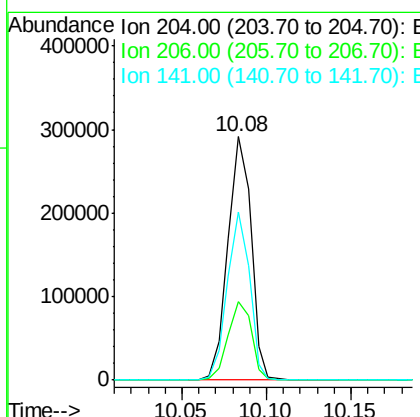
Manual Integrations
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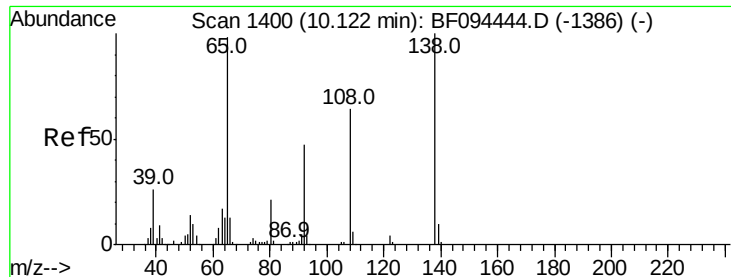
mohammad
4/28/2017 3:00:37 PM



#60
4-Chlorophenyl-phenylether
Concen: 44.02 ng
RT: 10.08 min Scan# 1385
Delta R.T. 0.00 min
Lab File: BF094668.D
Acq: 27 Apr 2017 17:25

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	278199		
206	32.2		26.2	39.2
141	68.9		60.8	91.2





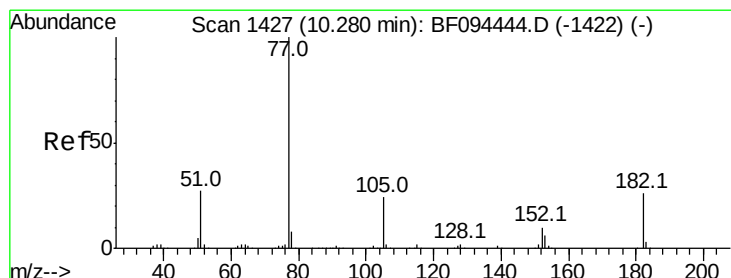
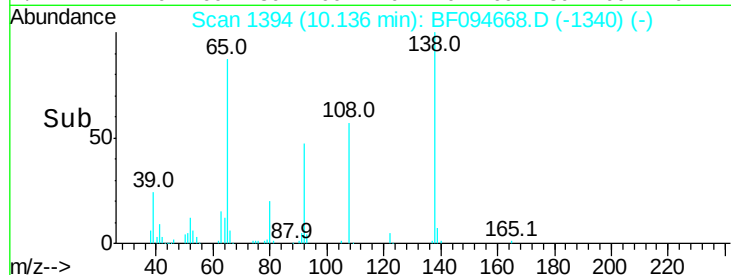
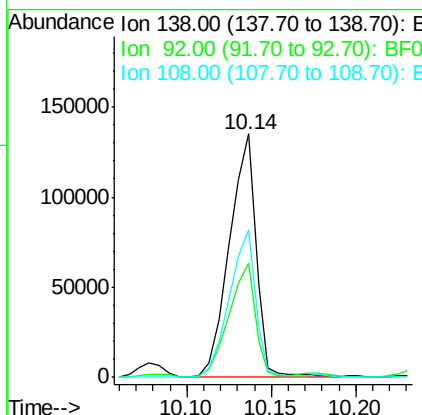
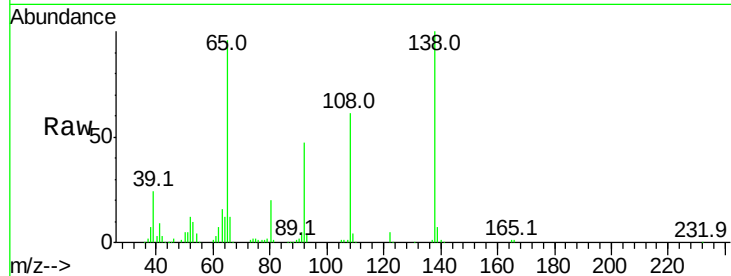
#61
4-Nitroaniline
Concen: 34.27 ng
RT: 10.14 min Scan# 1394
Delta R.T. 0.01 min
Lab File: BF094668.D
Acq: 27 Apr 2017 17:25

Instrument :
BNA_F
ClientSampleId :
PB98520BS

Tot Ion	Ratio	Lower	Upper
138	100		
92	47.2	21.8	61.8
108	60.8	42.3	82.3

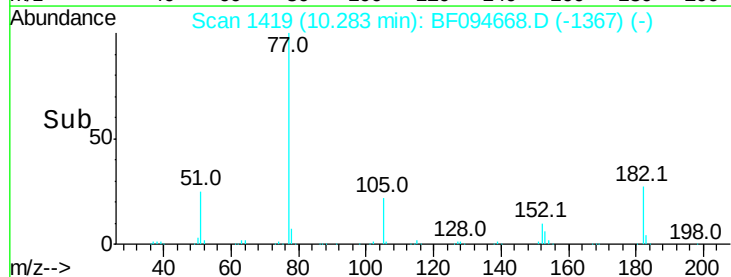
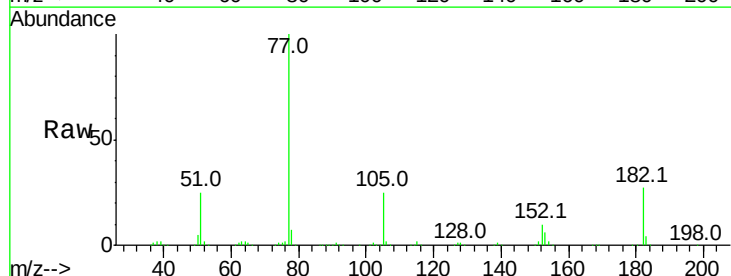
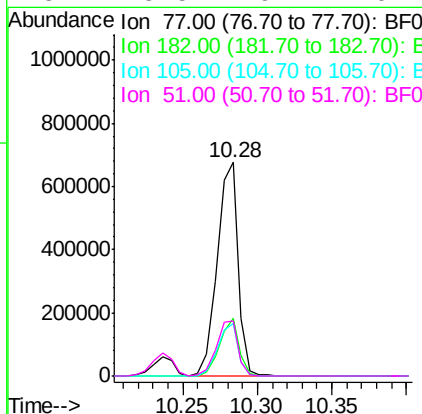
Manual Integrations
APPROVED

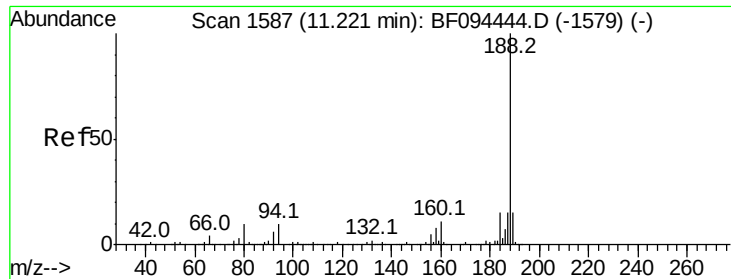
mohammad
4/28/2017 3:00:37 PM



#62
Azobenzene
Concen: 43.89 ng
RT: 10.28 min Scan# 1419
Delta R.T. 0.00 min
Lab File: BF094668.D
Acq: 27 Apr 2017 17:25

Tgt Ion	Ratio	Lower	Upper
77	100		
182	26.9	0.1	40.1
105	24.5	3.6	43.6
51	25.5	9.4	49.4





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.22 min Scan# 1579

Delta R.T. 0.00 min

Lab File: BF094668.D

Acq: 27 Apr 2017 17:25

Instrument :

BNA_F

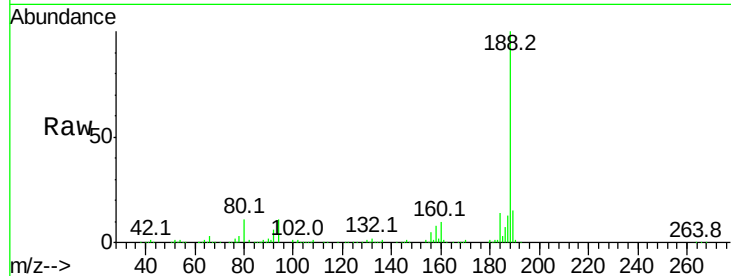
ClientSampled :

PB98520BS

Tot Ion:188	Resp:	397266
Ion Ratio	Lower	Upper
188 100		
94 10.8	9.4	14.2
80 10.7	10.2	15.2

Manual Integrations
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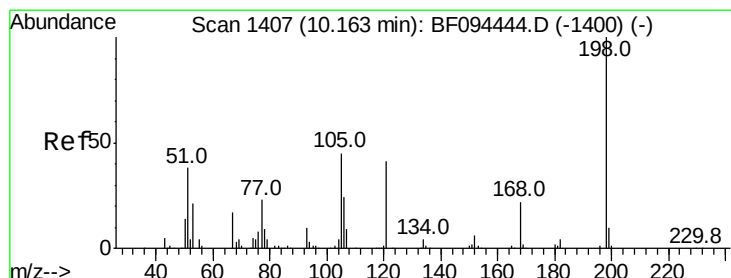
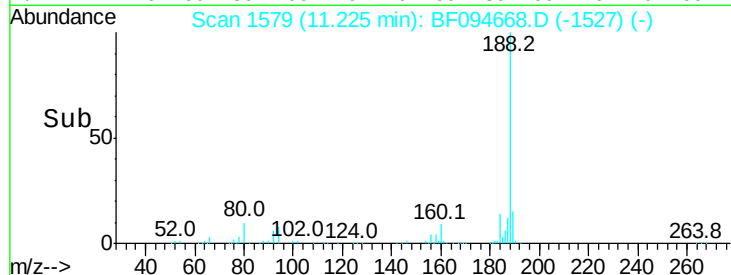
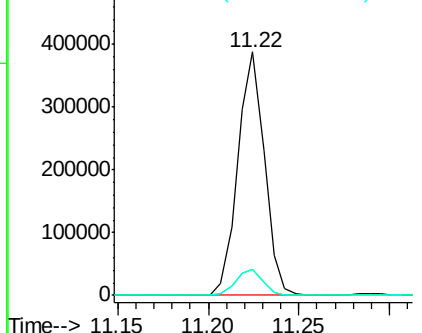
mohammad
4/28/2017 3:00:37 PM



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64

4,6-Dinitro-2-methylphenol

Concen: 36.72 ng

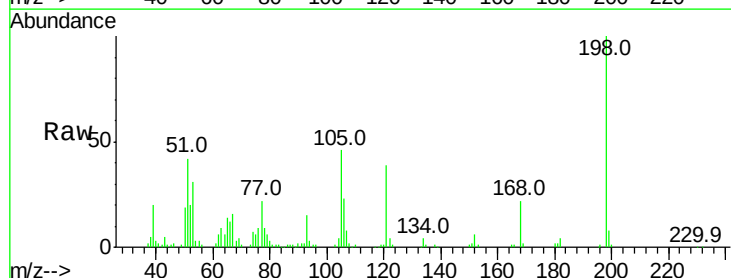
RT: 10.18 min Scan# 1401

Delta R.T. 0.01 min

Lab File: BF094668.D

Acq: 27 Apr 2017 17:25

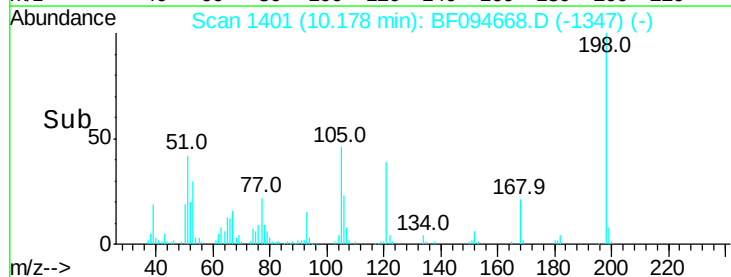
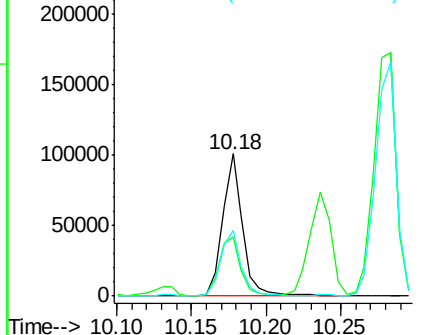
Tgt Ion:198	Resp:	95583
Ion Ratio	Lower	Upper
198 100		
51 42.0	53.2	93.2#
105 46.1	45.8	85.8

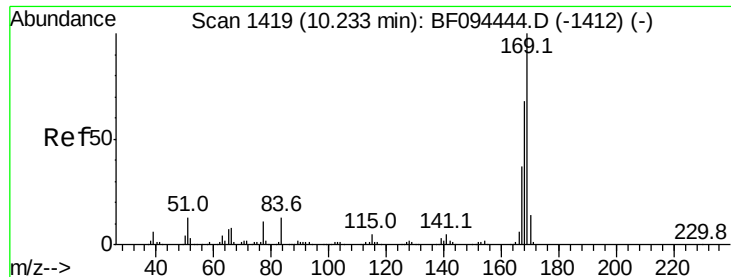


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 43.10 ng

RT: 10.24 min Scan# 1411

Delta R.T. 0.00 min

Lab File: BF094668.D

Acq: 27 Apr 2017 17:25

Instrument :

BNA_F

ClientSampleId :

PB98520BS

Tot Ion:169 Resp: 595432

Ion Ratio Lower Upper

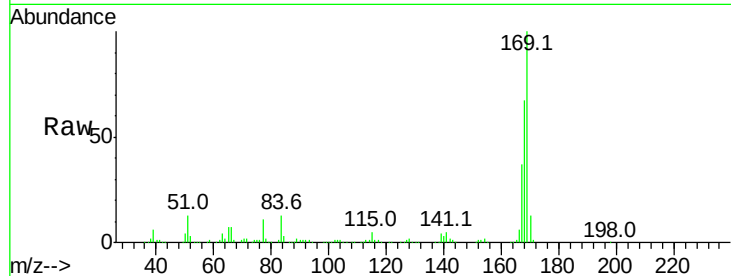
169 100

168 67.2 53.2 79.8

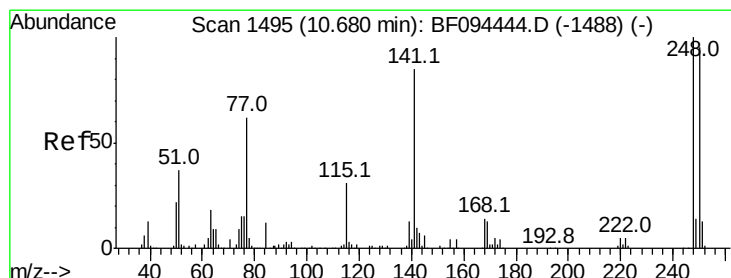
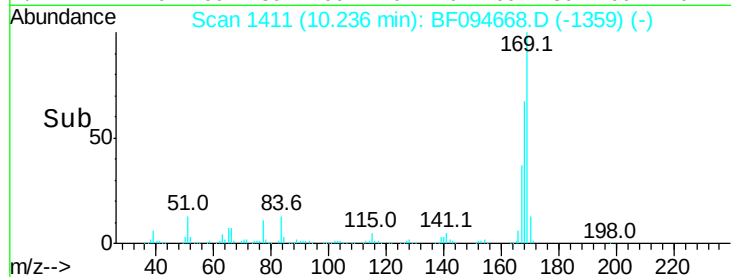
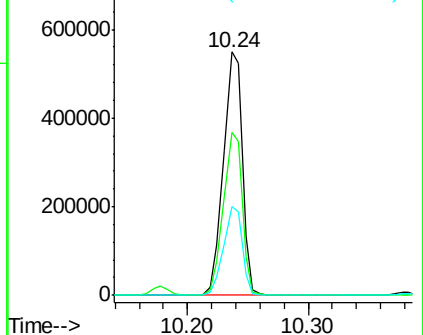
167 36.7 29.5 44.3

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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: 44.22 ng

RT: 10.68 min Scan# 1487

Delta R.T. 0.00 min

Lab File: BF094668.D

Acq: 27 Apr 2017 17:25

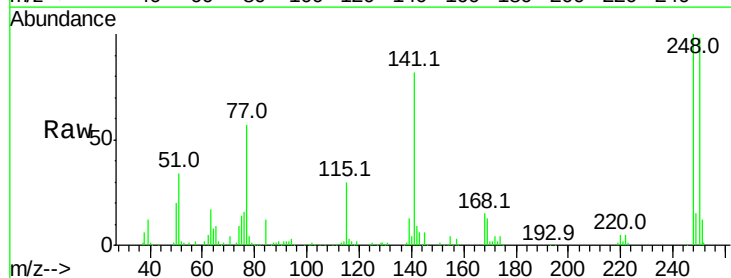
Tgt Ion:248 Resp: 174423

Ion Ratio Lower Upper

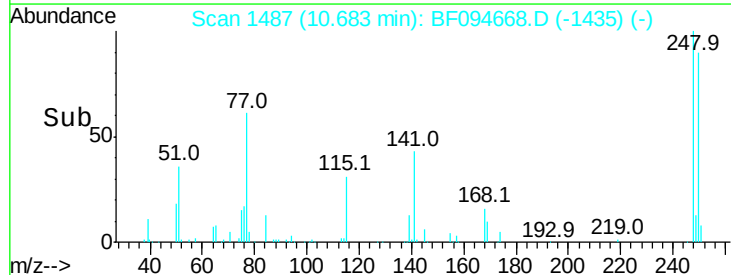
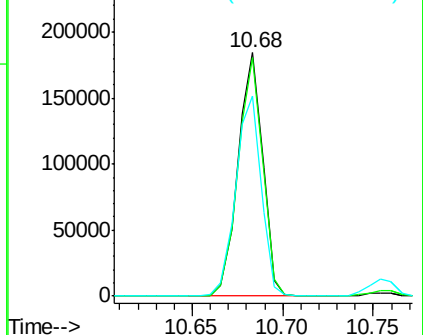
248 100

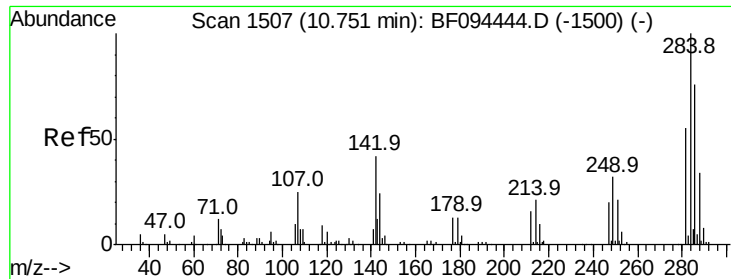
250 98.2 76.8 115.2

141 82.0 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: 43.87 ng

RT: 10.76 min Scan# 1500

Delta R.T. 0.01 min

Lab File: BF094668.D

Acq: 27 Apr 2017 17:25

Instrument :

BNA_F

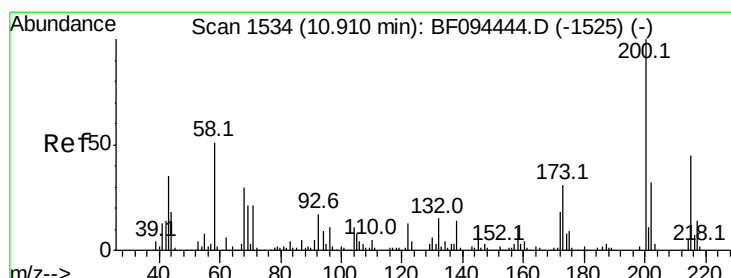
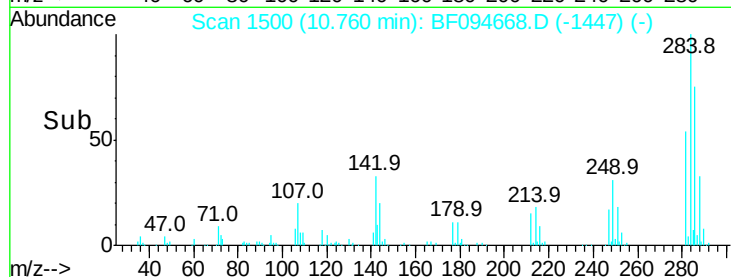
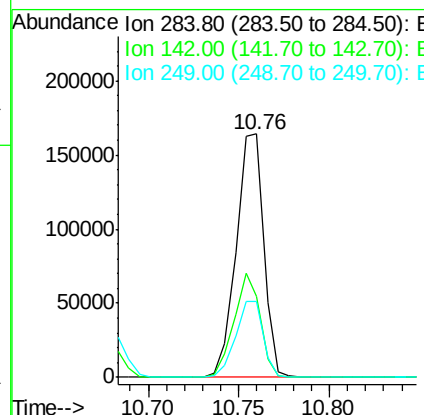
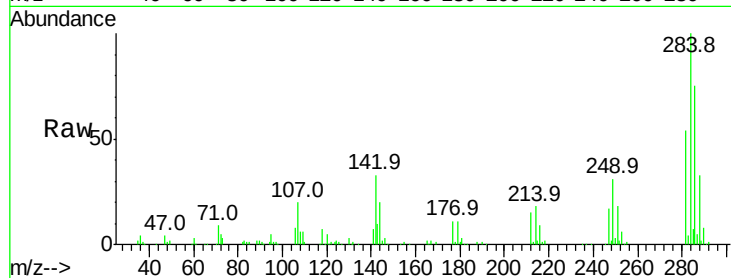
ClientSampleId :

PB98520BS

Tot Ion:	284	Resp:	174409
Ion Ratio	Lower	Upper	
284	100		
142	33.4	22.8	34.2
249	31.0	24.0	36.0

Manual Integrations
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4/28/2017 3:00:37 PM



#68

Atrazine

Concen: 44.42 ng

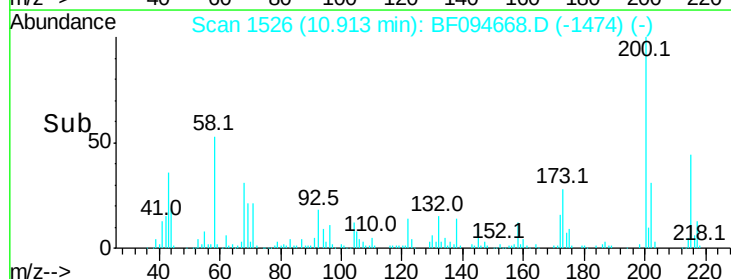
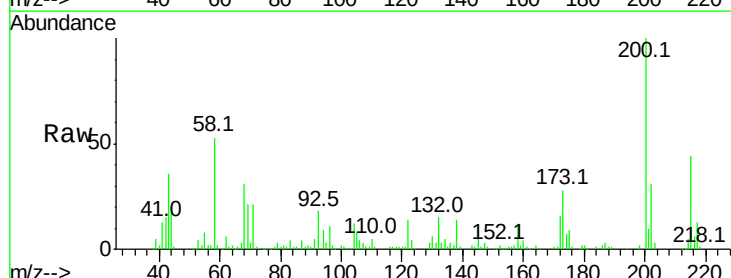
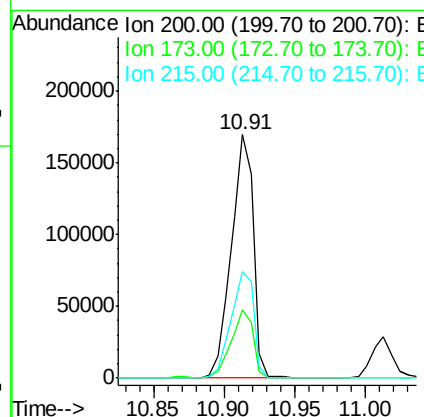
RT: 10.91 min Scan# 1526

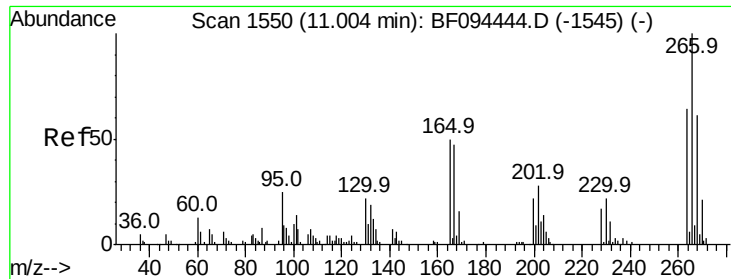
Delta R.T. 0.00 min

Lab File: BF094668.D

Acq: 27 Apr 2017 17:25

Tgt Ion:	200	Resp:	183592
Ion Ratio	Lower	Upper	
200	100		
173	28.0	6.3	46.3
215	43.8	27.2	67.2





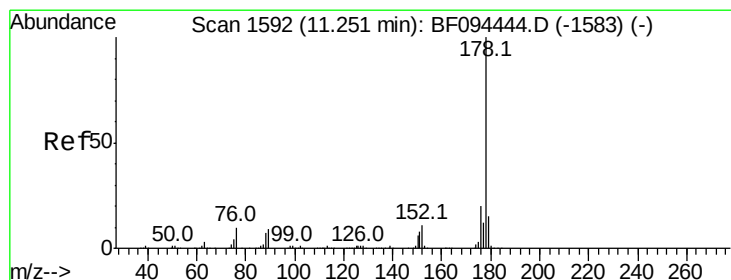
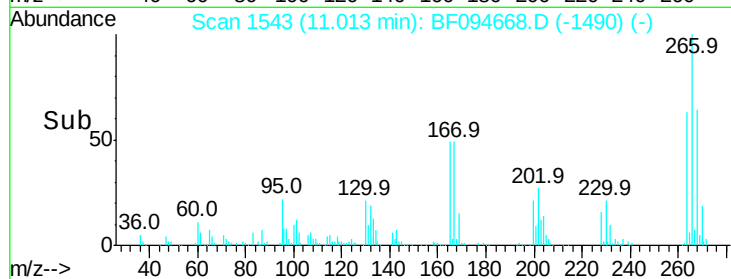
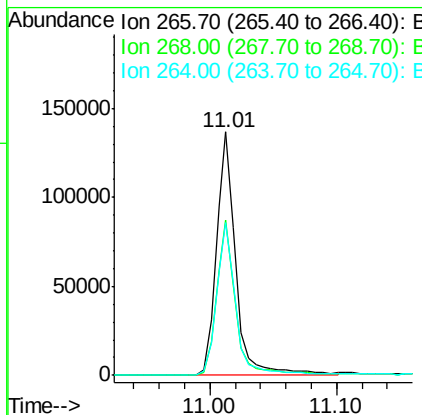
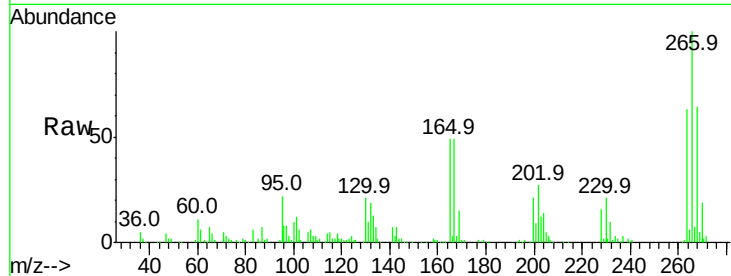
#69
 Pentachlorophenol
 Concen: 93.37 ng
 RT: 11.01 min Scan# 1543
 Delta R.T. 0.01 min
 Lab File: BF094668.D
 Acq: 27 Apr 2017 17:25

Instrument :
 BNA_F
 ClientSampleId :
 PB98520BS

Tot Ion	Ratio	Resp	Lower	Upper
266	100	147381		
268	63.9		51.1	76.7
264	62.8		51.7	77.5

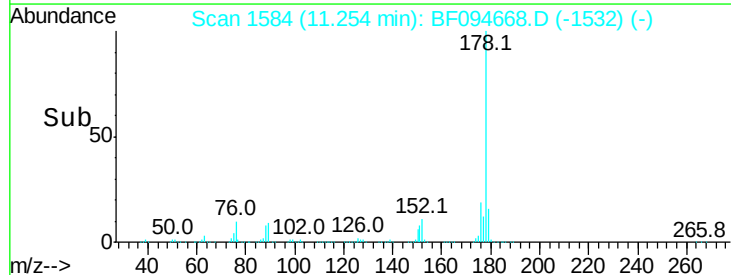
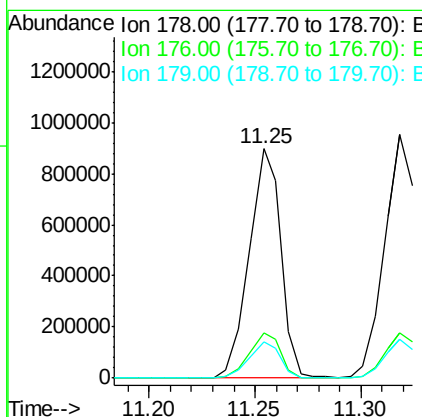
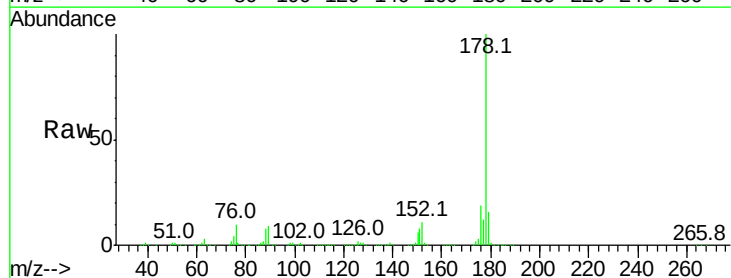
Manual Integrations
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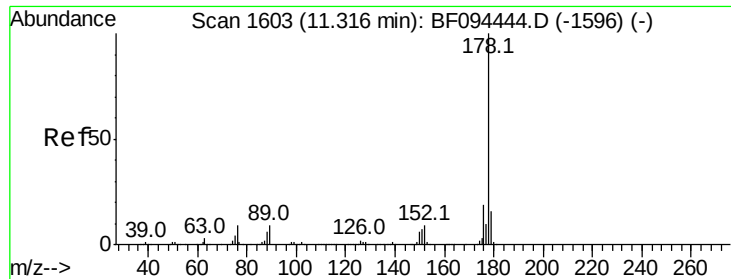
mohammad
 4/28/2017 3:00:37 PM



#70
 Phenanthrene
 Concen: 41.99 ng
 RT: 11.25 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: BF094668.D
 Acq: 27 Apr 2017 17:25

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	939292		
176	19.5		16.2	24.4
179	15.8		12.6	19.0





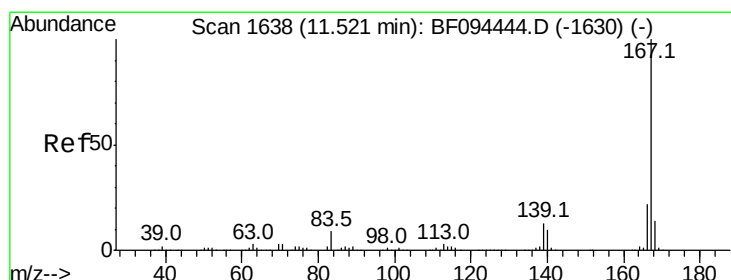
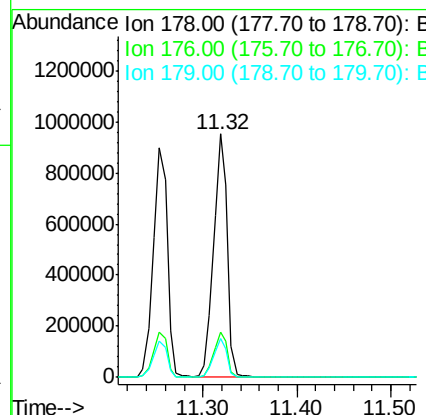
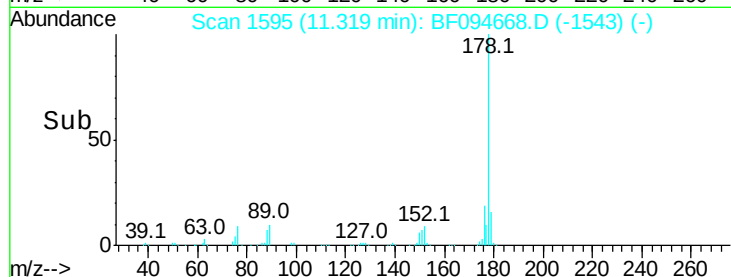
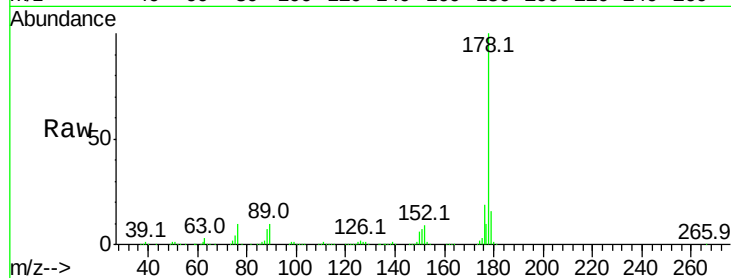
#71
 Anthracene
 Concen: 42.67 ng
 RT: 11.32 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: BF094668.D
 Acq: 27 Apr 2017 17:25

Instrument :
 BNA_F
 ClientSampleId :
 PB98520BS

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.8	23.8
179	15.8	12.7	19.1

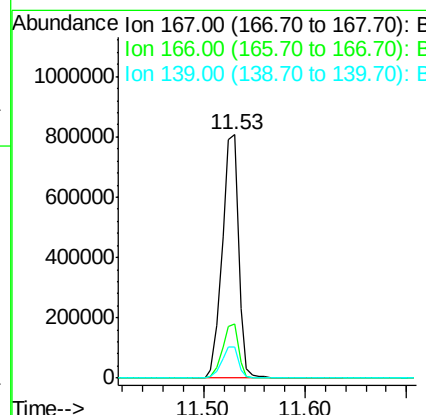
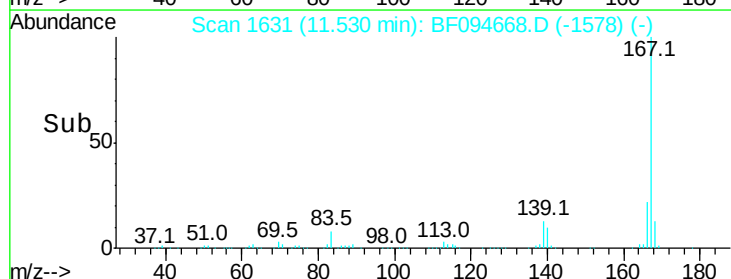
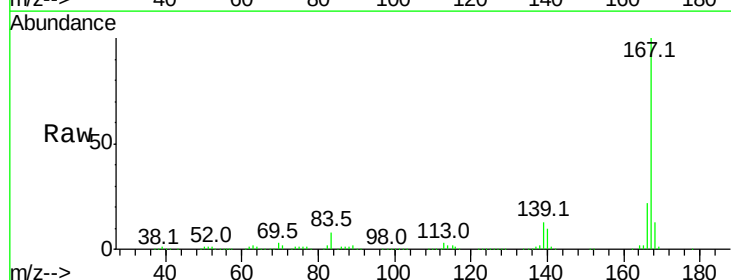
Manual Integrations
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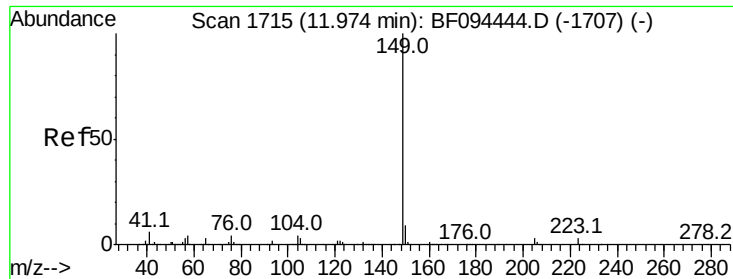
mohammad
 4/28/2017 3:00:37 PM



#72
 Carbazole
 Concen: 41.75 ng
 RT: 11.53 min Scan# 1631
 Delta R.T. 0.01 min
 Lab File: BF094668.D
 Acq: 27 Apr 2017 17:25

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.1	18.1	27.1
139	12.9	11.7	17.5





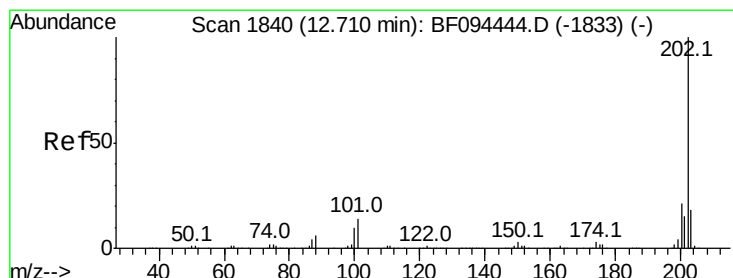
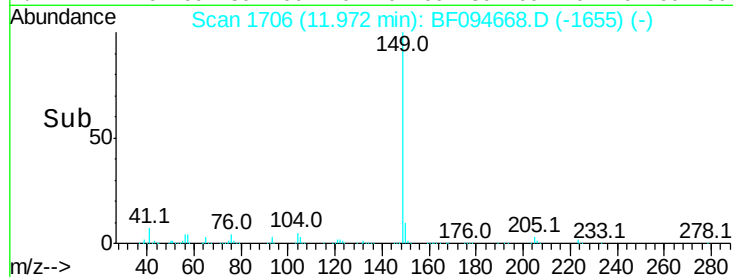
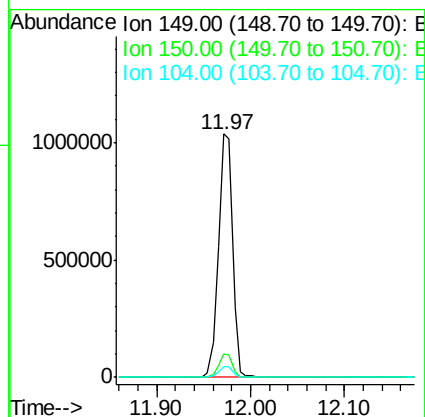
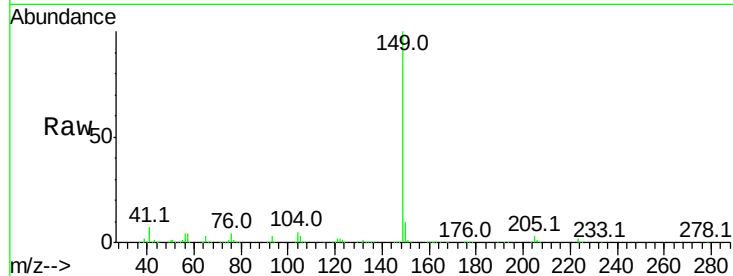
#73
Di-n-butylphthalate
Concen: 46.42 ng
RT: 11.97 min Scan# 1706
Delta R.T. -0.00 min
Lab File: BF094668.D
Acq: 27 Apr 2017 17:25

Instrument :
BNA_F
ClientSampled :
PB98520BS

Tot Ion	Ratio	Lower	Upper
149	100		
150	9.7	7.7	11.5
104	4.5	4.0	6.0

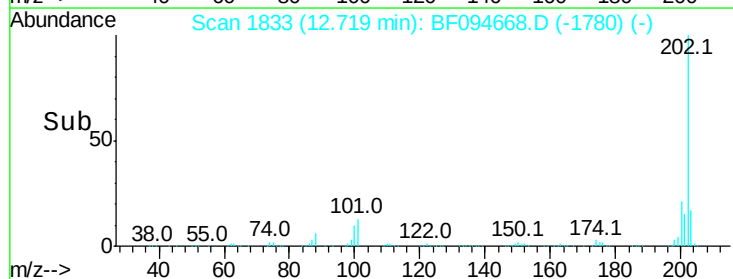
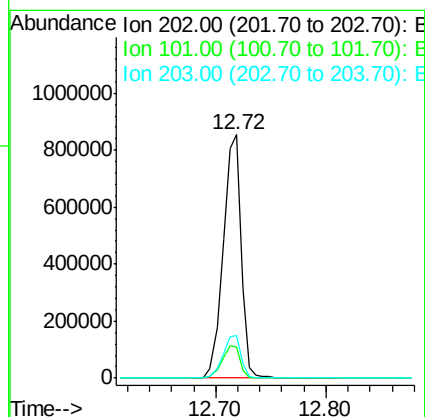
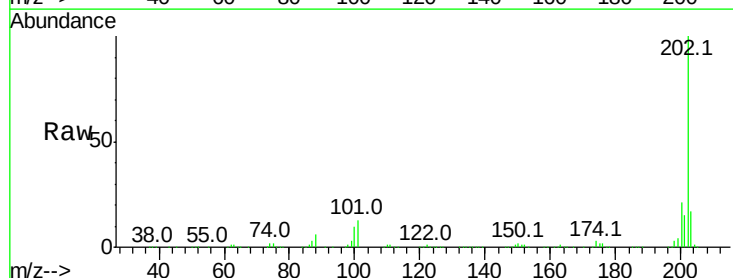
Manual Integrations
APPROVED

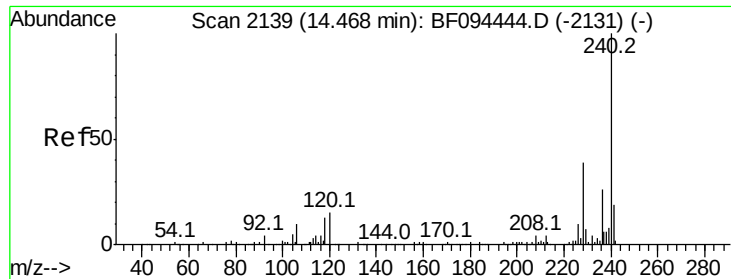
mohammad
4/28/2017 3:00:37 PM



#74
Fluoranthene
Concen: 41.84 ng
RT: 12.72 min Scan# 1833
Delta R.T. 0.01 min
Lab File: BF094668.D
Acq: 27 Apr 2017 17:25

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	33.2
203	17.3	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.48 min Scan# 2132

Delta R.T. 0.01 min

Lab File: BF094668.D

Acq: 27 Apr 2017 17:25

Instrument :

BNA_F

ClientSampleId :

PB98520BS

Tot Ion:240 Resp: 313337
Ion Ratio Lower Upper

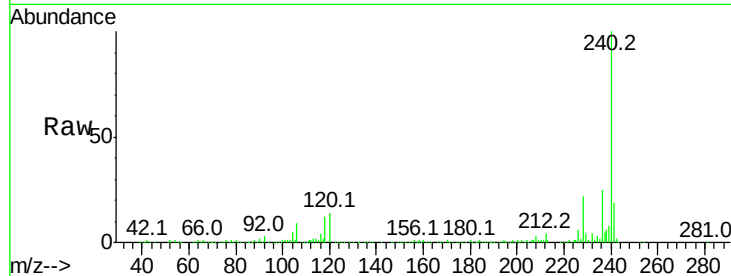
240 100

120 14.1 5.8 8.8#

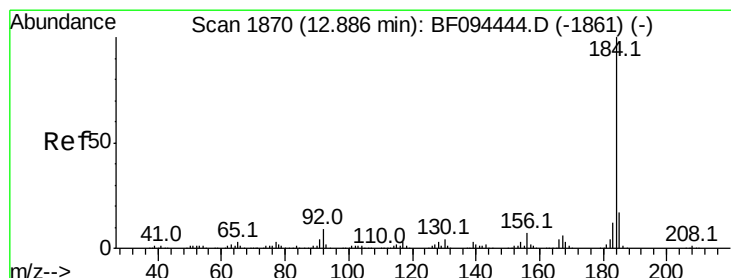
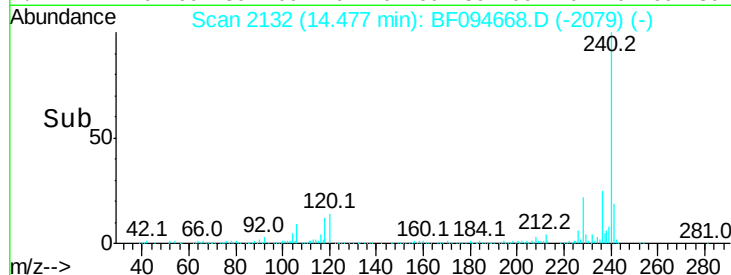
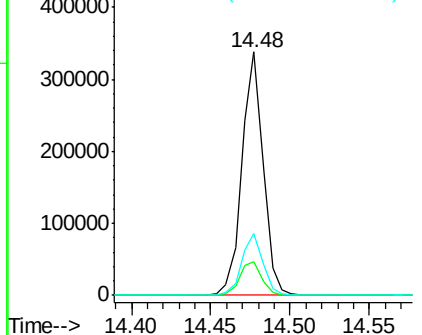
236 25.2 20.5 30.7

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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



#76

Benzidine

Concen: 32.00 ng

RT: 12.89 min Scan# 1862

Delta R.T. 0.00 min

Lab File: BF094668.D

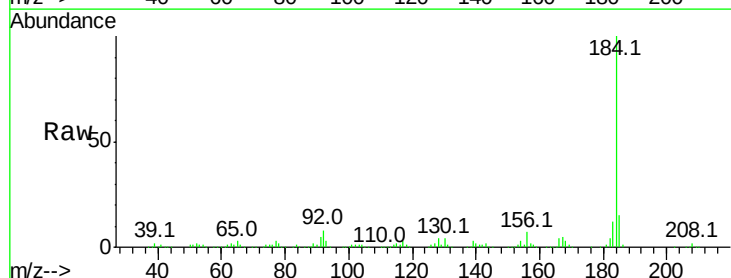
Acq: 27 Apr 2017 17:25

Tgt Ion:184 Resp: 405943
Ion Ratio Lower Upper

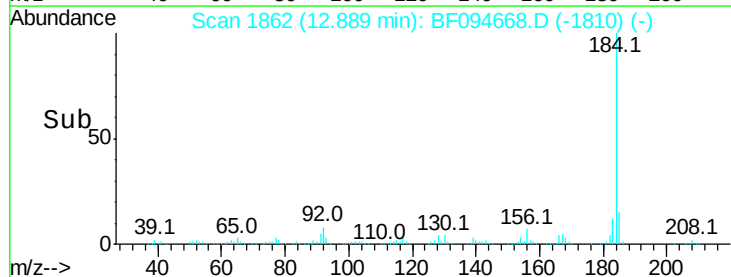
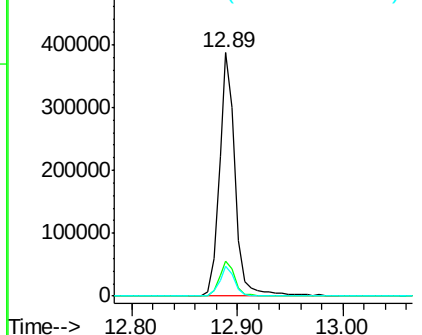
184 100

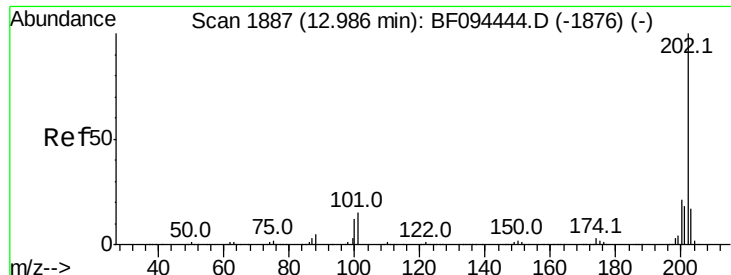
185 14.6 15.5 23.3#

183 12.3 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





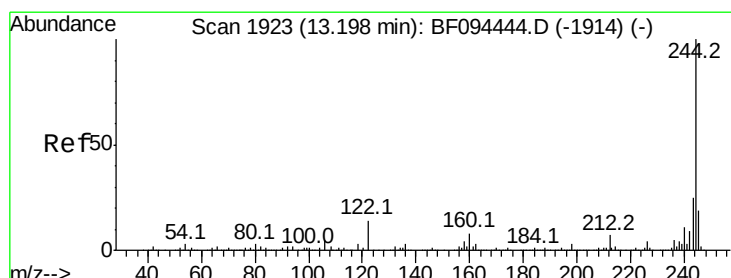
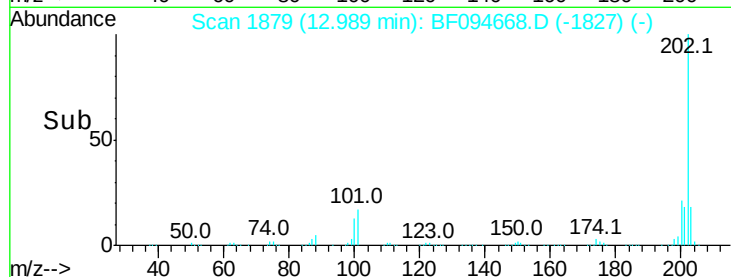
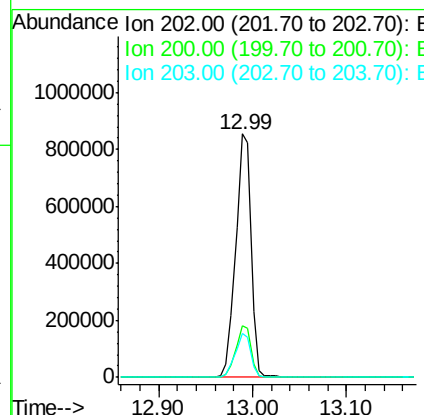
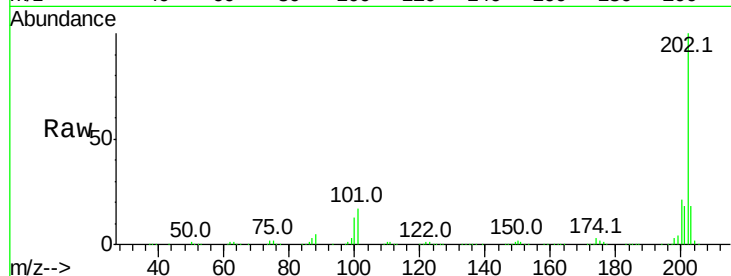
#77
Pvrene
Concen: 44.61 ng
RT: 12.99 min Scan# 1879
Delta R.T. 0.00 min
Lab File: BF094668.D
Acq: 27 Apr 2017 17:25

Instrument :
BNA_F
ClientSampled :
PB98520BS

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.6	26.4
203	18.2	14.4	21.6

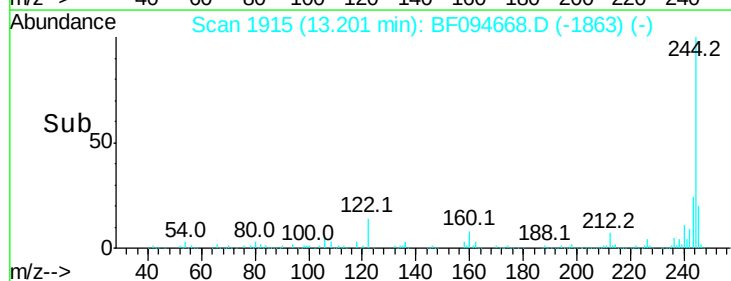
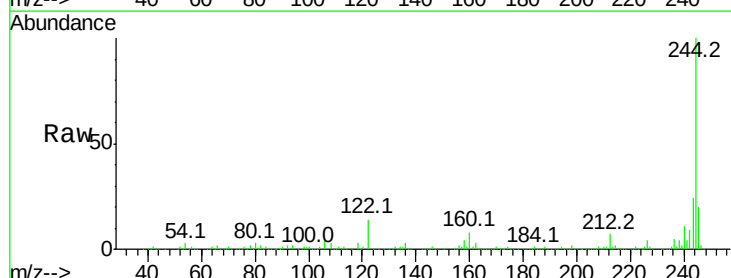
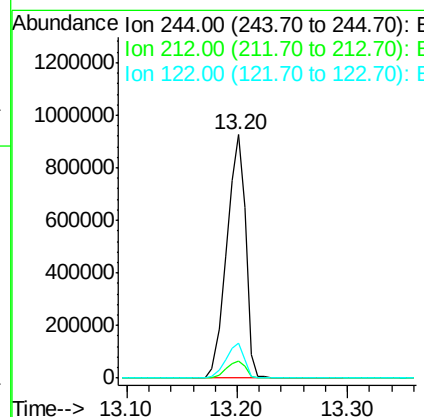
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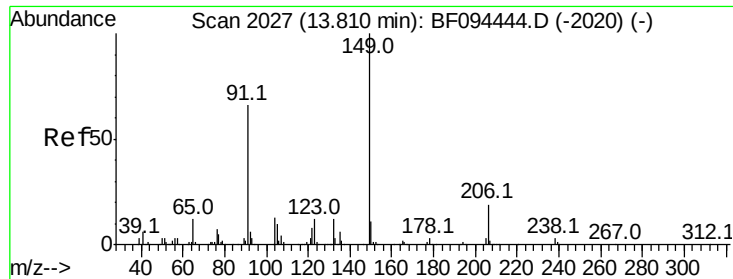
mohammad
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#78
Terphenyl-d14
Concen: 94.61 ng
RT: 13.20 min Scan# 1915
Delta R.T. 0.00 min
Lab File: BF094668.D
Acq: 27 Apr 2017 17:25

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.0	9.0
122	14.1	10.3	15.5





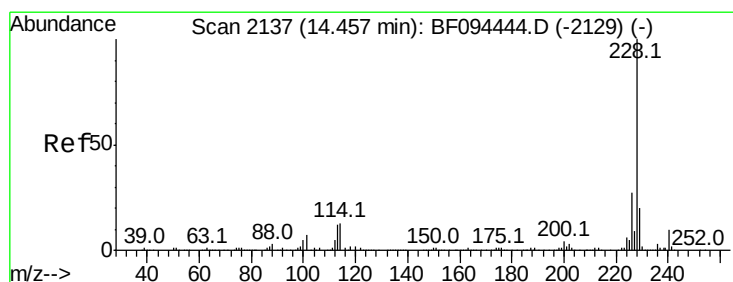
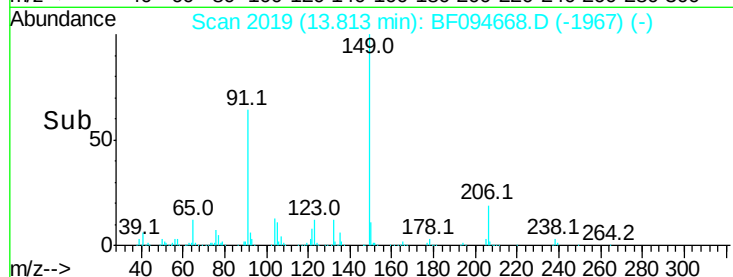
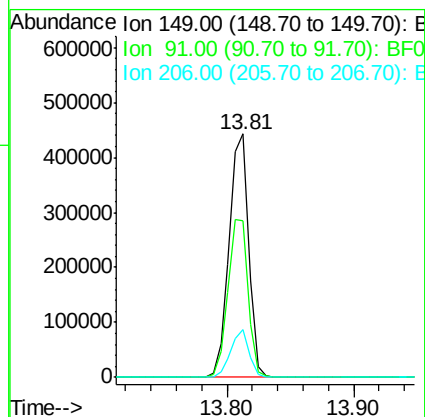
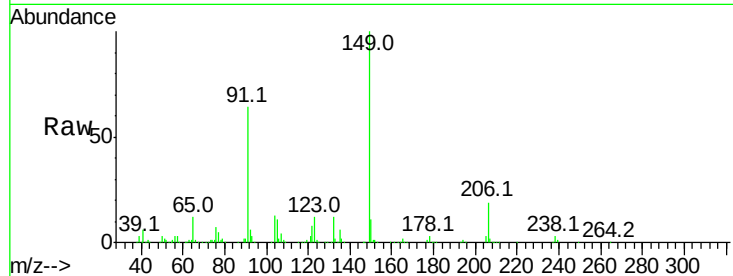
#79
Butylbenzylphthalate
Concen: 49.11 ng
RT: 13.81 min Scan# 2019
Delta R.T. 0.00 min
Lab File: BF094668.D
Acq: 27 Apr 2017 17:25

Instrument :
BNA_F
ClientSampleId :
PB98520BS

Tot Ion	Ratio	Resp	Lower	Upper
149	100	471127		
91	64.5	45.0	67.4	
206	19.5	17.0	25.6	

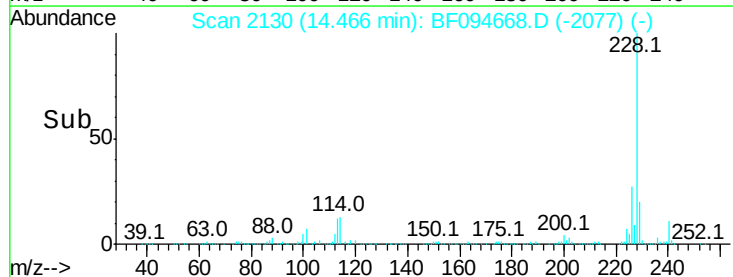
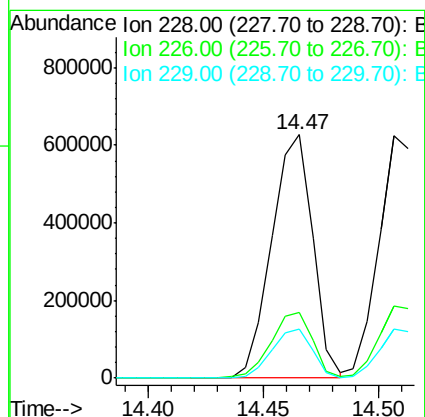
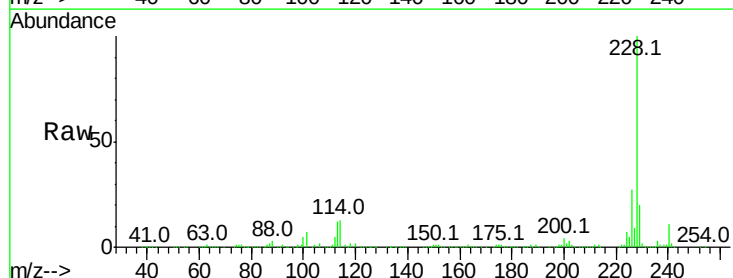
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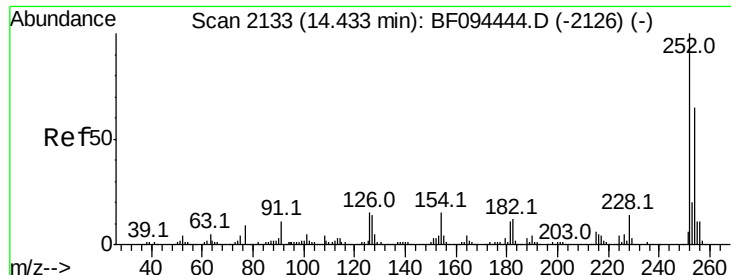
mohammad
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#80
Benzo(a)anthracene
Concen: 42.55 ng
RT: 14.47 min Scan# 2130
Delta R.T. 0.01 min
Lab File: BF094668.D
Acq: 27 Apr 2017 17:25

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	774935		
226	26.8	22.6	33.8	
229	19.9	16.3	24.5	





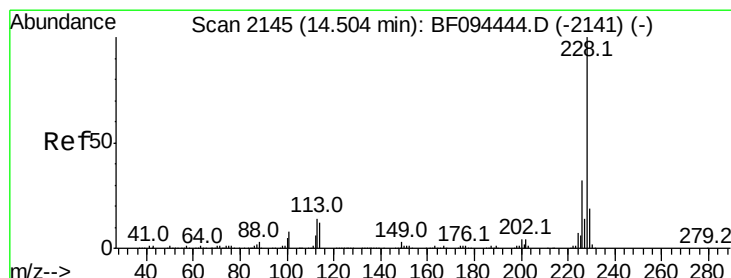
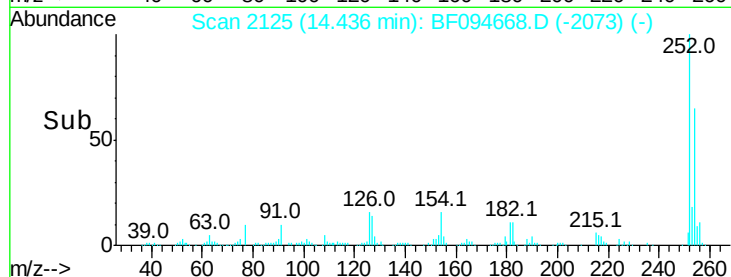
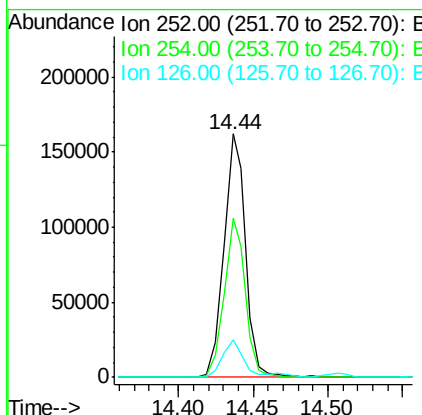
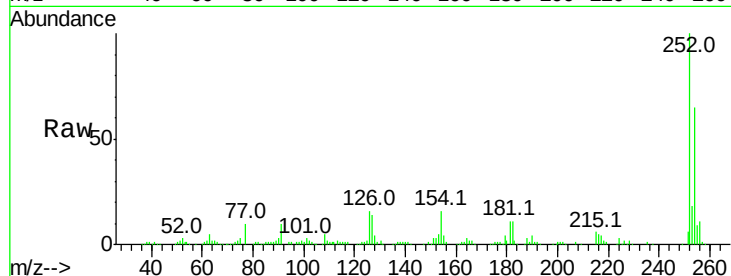
#81
 3,3'-Dichlorobenzidine
 Concen: 25.82 ng
 RT: 14.44 min Scan# 2125
 Delta R.T. 0.00 min
 Lab File: BF094668.D
 Acq: 27 Apr 2017 17:25

Instrument :
 BNA_F
 ClientSampleId :
 PB98520BS

Tot Ion	Ratio	Resp Lower	Upper
252	100		
254	65.4	51.5	77.3
126	15.5	15.8	23.8

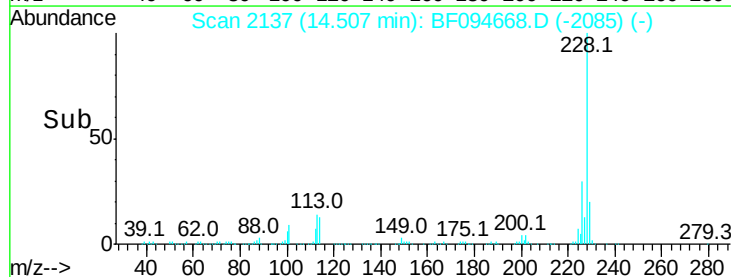
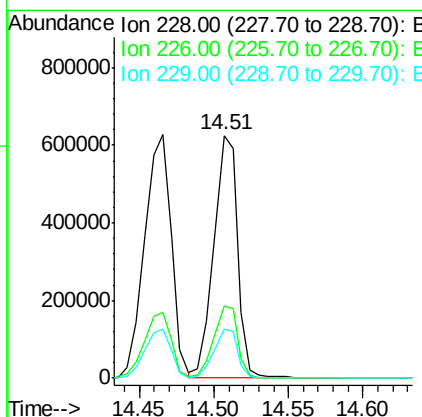
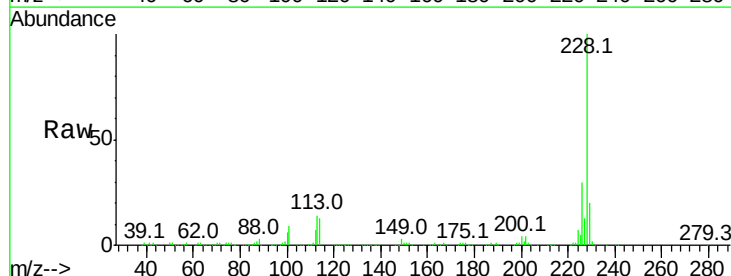
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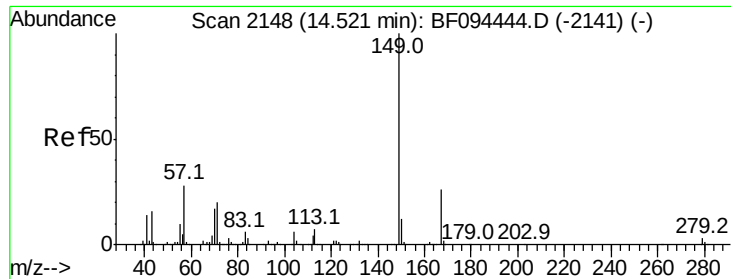
mohammad
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#82
 Chrysene
 Concen: 42.00 ng
 RT: 14.51 min Scan# 2137
 Delta R.T. 0.00 min
 Lab File: BF094668.D
 Acq: 27 Apr 2017 17:25

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	29.6	24.9	37.3
229	20.3	15.8	23.6





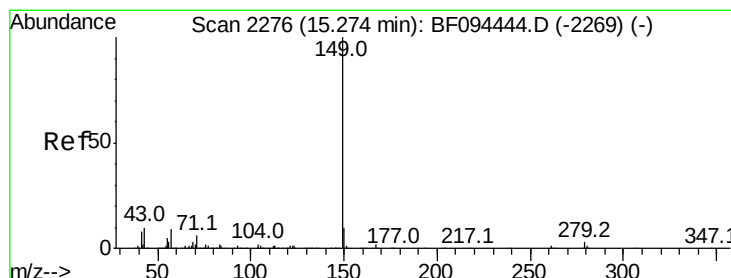
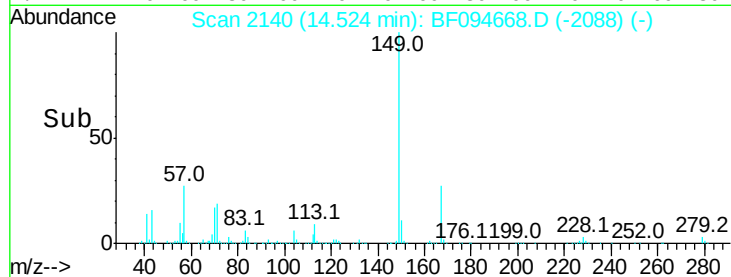
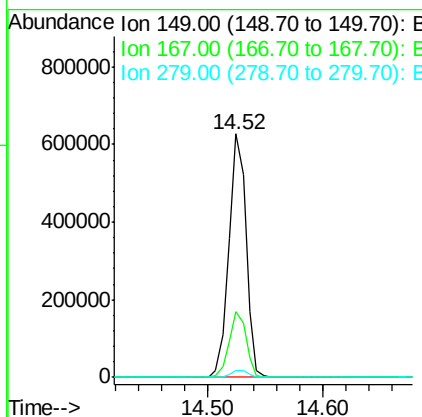
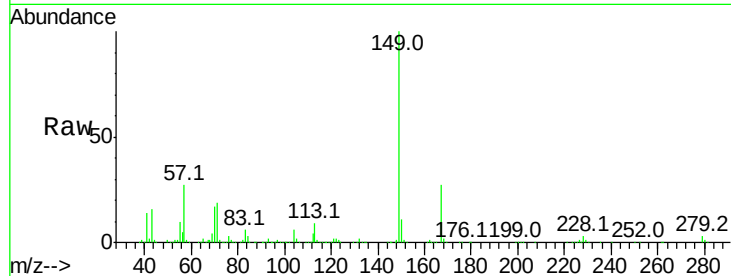
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 50.40 ng
 RT: 14.52 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: BF094668.D
 Acq: 27 Apr 2017 17:25

Instrument :
 BNA_F
 ClientSampleId :
 PB98520BS

Tot Ion	Ratio	Resp	Lower	Upper
149	100	649238		
167	26.9		21.0	31.4
279	2.9		1.9	2.9#

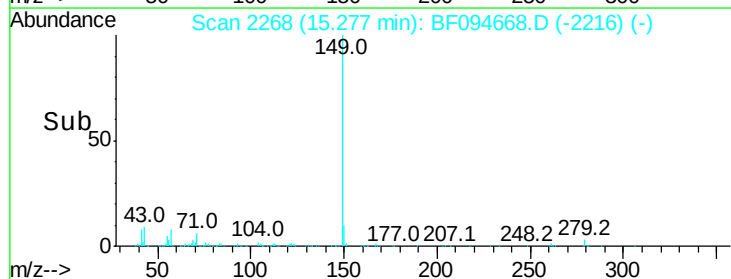
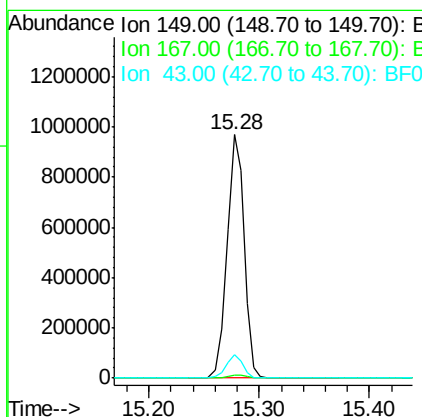
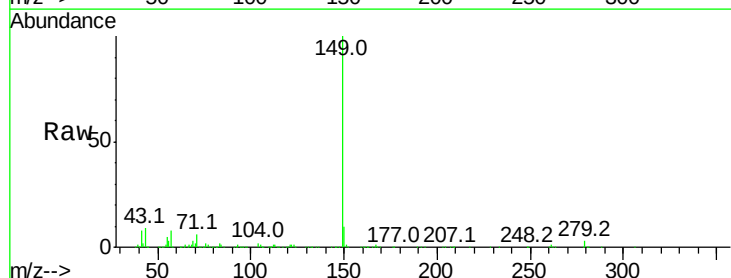
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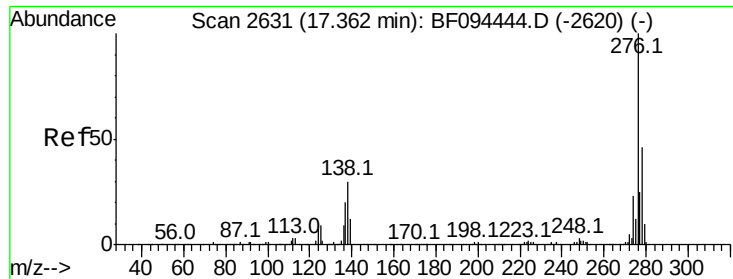
mohammad
 4/28/2017 3:00:37 PM



#84
 Di-n-octyl phthalate
 Concen: 48.92 ng
 RT: 15.28 min Scan# 2268
 Delta R.T. 0.00 min
 Lab File: BF094668.D
 Acq: 27 Apr 2017 17:25

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	1057010		
167	1.5		1.2	1.8
43	9.0		8.5	12.7





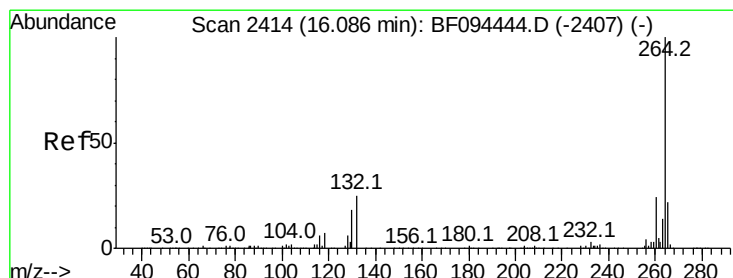
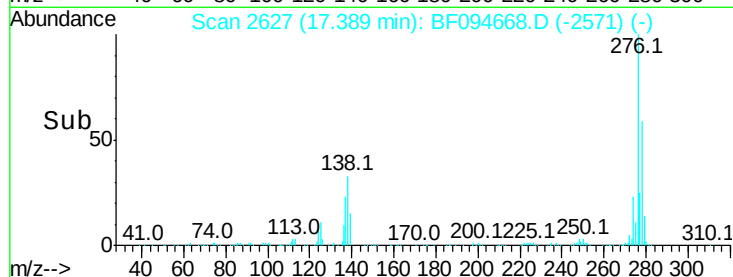
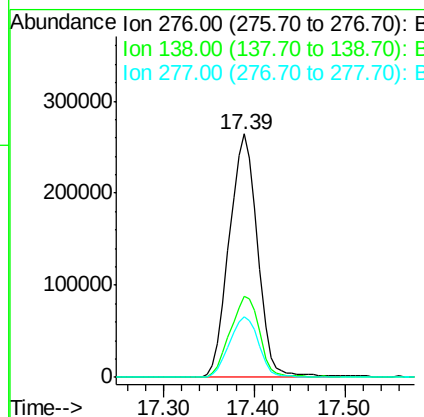
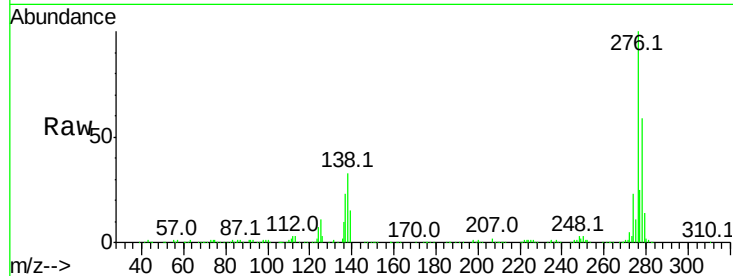
#85
Indeno(1,2,3-cd)pyrene
Concen: 36.42 ng
RT: 17.39 min Scan# 2627
Delta R.T. 0.03 min
Lab File: BF094668.D
Acq: 27 Apr 2017 17:25

Instrument :
BNA_F
ClientSampleId :
PB98520BS

Tot Ion	Ratio	Lower	Upper
276	100		
138	34.5	27.8	41.6
277	26.0	20.2	30.4

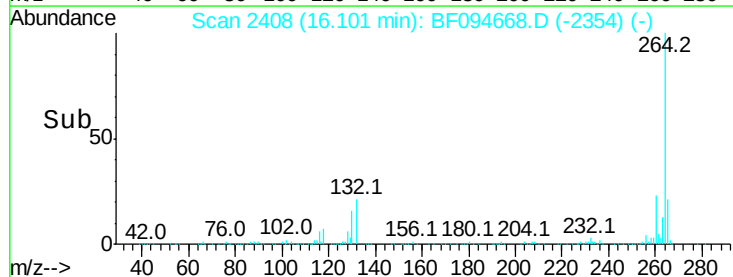
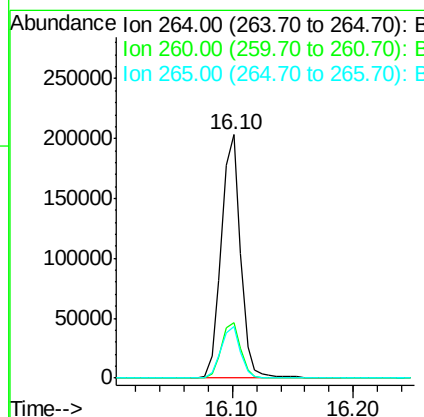
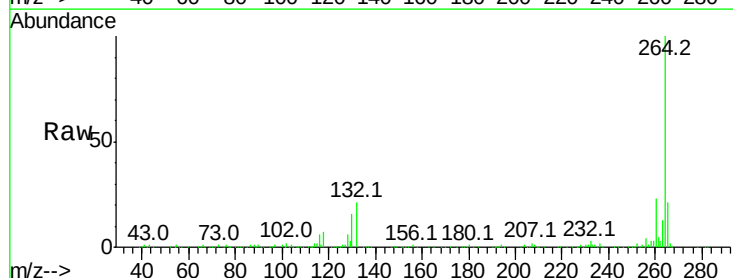
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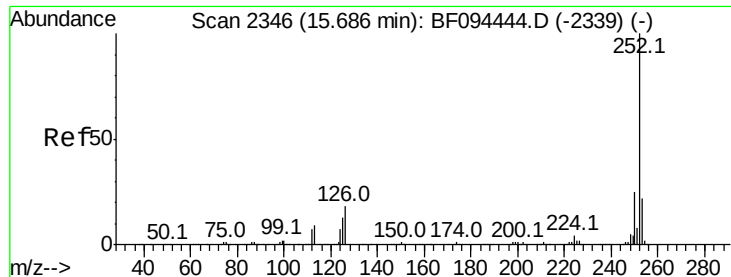
mohammad
4/28/2017 3:00:37 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 16.10 min Scan# 2408
Delta R.T. 0.01 min
Lab File: BF094668.D
Acq: 27 Apr 2017 17:25

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.5	29.3
265	21.1	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 43.60 ng

RT: 15.70 min Scan# 2340

Delta R.T. 0.01 min

Lab File: BF094668.D

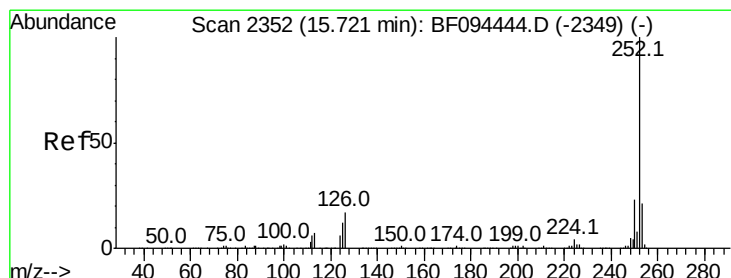
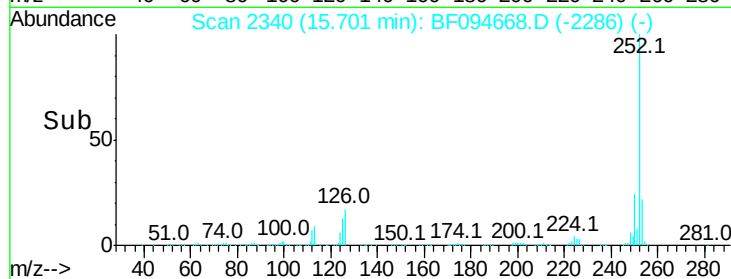
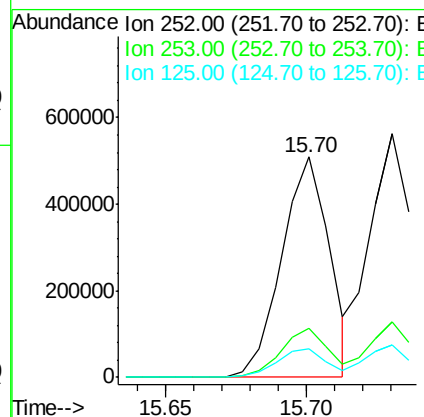
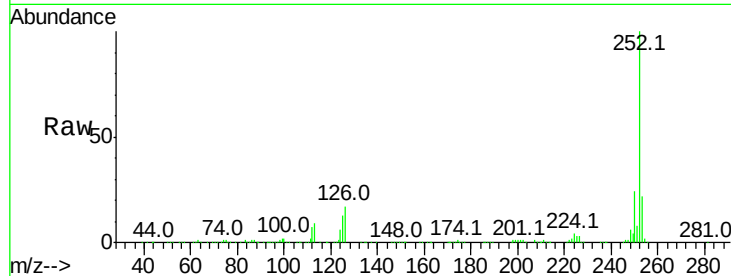
Acq: 27 Apr 2017 17:25

Instrument :
BNA_F
ClientSampleId :
PB98520BS

Tot Ion	Ratio	Resp	Lower	Upper
252	100	596287		
253	22.4	18.1	27.1	
125	12.8	9.8	14.8	

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#88

Benzo(k)fluoranthene

Concen: 45.95 ng

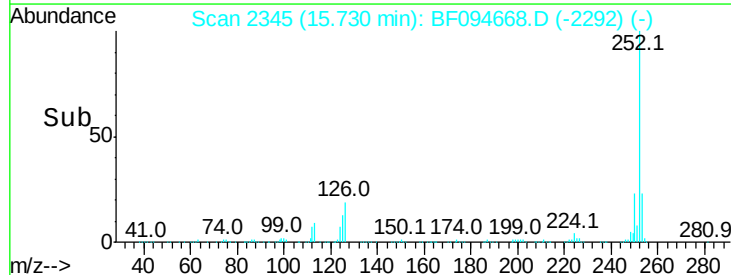
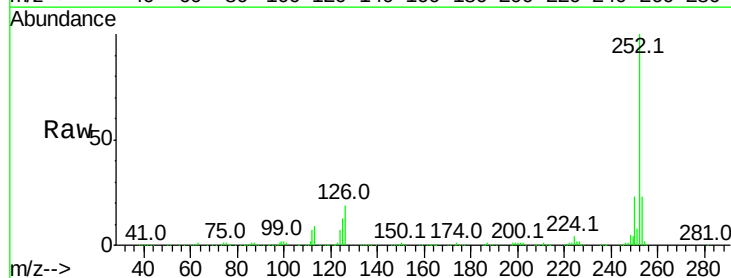
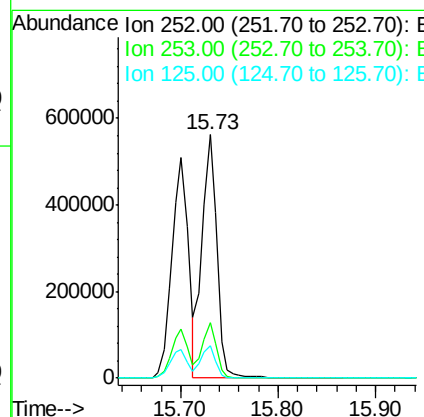
RT: 15.73 min Scan# 2345

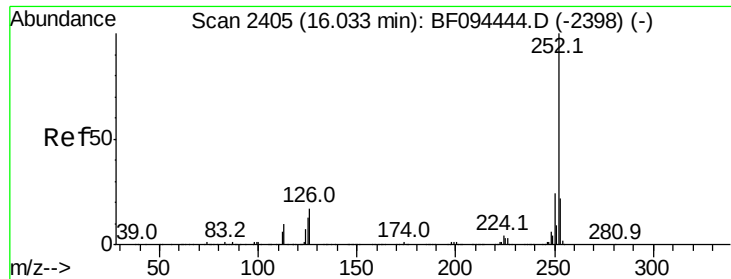
Delta R.T. 0.01 min

Lab File: BF094668.D

Acq: 27 Apr 2017 17:25

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	594720		
253	22.5	18.4	27.6	
125	13.1	13.1	19.7	





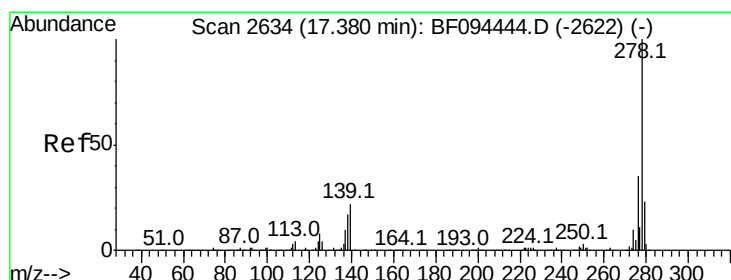
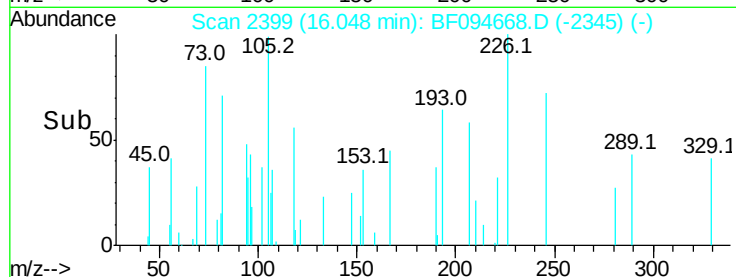
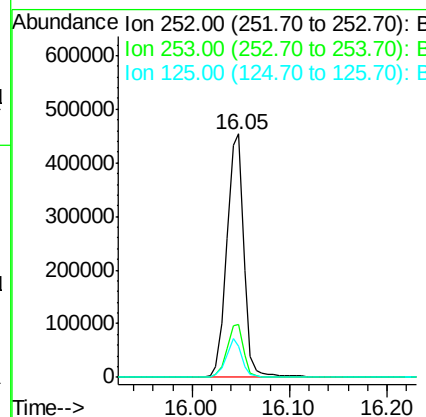
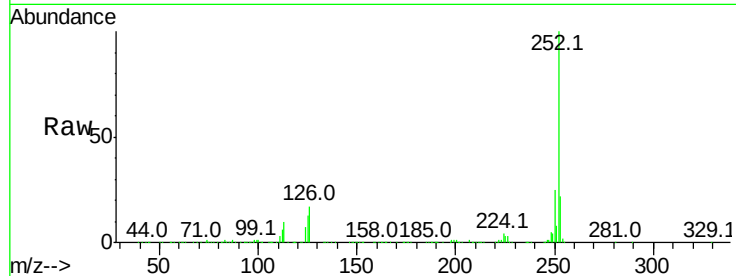
#89
Benzo(a)pyrene
Concen: 43.06 ng
RT: 16.05 min Scan# 2399
Delta R.T. 0.01 min
Lab File: BF094668.D
Acq: 27 Apr 2017 17:25

Instrument :
BNA_F
ClientSampleId :
PB98520BS

Tot Ion	Ratio	Resp	Lower	Upper
252	100			
253	21.7	17.5	26.3	
125	13.0	11.0	16.4	

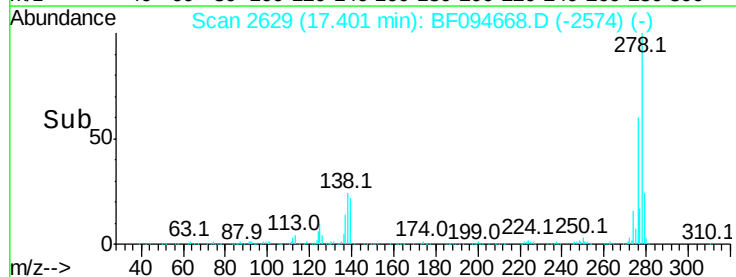
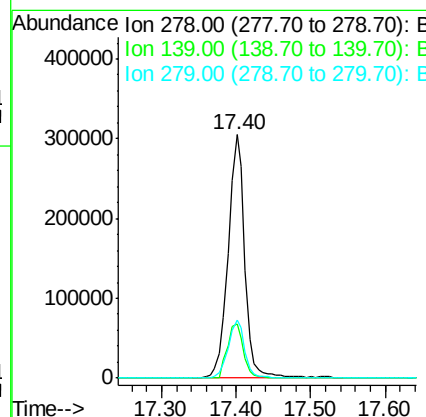
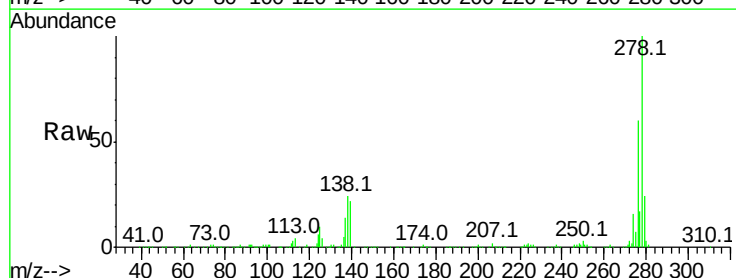
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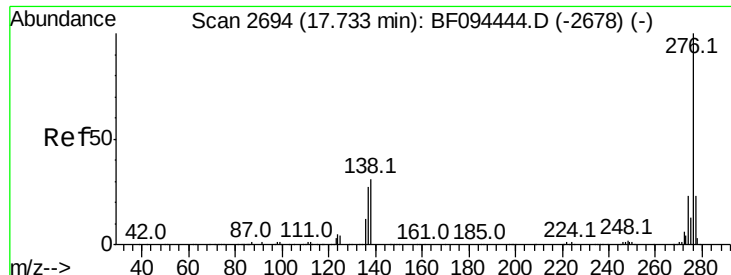
mohammad
4/28/2017 3:00:37 PM



#90
Dibenzo(a,h)anthracene
Concen: 45.43 ng
RT: 17.40 min Scan# 2629
Delta R.T. 0.02 min
Lab File: BF094668.D
Acq: 27 Apr 2017 17:25

Tgt Ion	Ratio	Resp	Lower	Upper
278	100			
139	22.2	16.6	24.8	
279	24.1	19.3	28.9	





#91
 Benzo(a,h,i)perylene
 Concen: 45.23 ng
 RT: 17.77 min Scan# 2691
 Delta R.T. 0.03 min
 Lab File: BF094668.D
 Acq: 27 Apr 2017 17:25

Instrument :
 BNA_F
 ClientSampleId :
 PB98520BS

Tot Ion:	276	Resp:	486489
Ion Ratio		Lower	Upper
276	100		
277	24.2	18.6	28.0
138	31.5	25.4	38.0

Manual Integrations
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mohammad
 4/28/2017 3:00:37 PM

