

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031017\
 Data File : BF093528.D
 Acq On : 10 Mar 2017 18:05
 Operator : SJ/MA
 Sample : I2172-21MS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 D-38MS

Manual Integrations
 APPROVED

mohammad
 3/13/2017 5:28:48 PM

Quant Time: Mar 11 03:46:46 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 07 15:55:22 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	185502	20.00	ng	-0.02
21) Naphthalene-d8	8.02	136	740048	20.00	ng	-0.03
38) Acenaphthene-d10	9.77	164	358190	20.00	ng	-0.03
63) Phenanthrene-d10	11.26	188	595938	20.00	ng	-0.02
75) Chrysene-d12	13.91	240	471820	20.00	ng	-0.01
86) Perylene-d12	15.31	264	247627	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.37	112	1463307	131.29	ng	0.02
7) Phenol-d6	6.42	99	1823272	129.72	ng	0.01
23) Nitrobenzene-d5	7.32	82	1169667	87.69	ng	-0.02
41) 2,4,6-Tribromophenol	10.57	330	323633	138.68	ng	-0.02
44) 2-Fluorobiphenyl	9.10	172	1811079	94.05	ng	-0.03
78) Terphenyl-d14	12.85	244	1622485	89.41	ng	-0.02

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.42	88	241801	39.39	ng	# 70
3) Pyridine	3.13	79	371058m	23.71	ng	
4) n-Nitrosodimethylamine	3.03	42	343508	45.95	ng	86
6) Aniline	6.49	93	597682m	30.98	ng	
8) 2-Chlorophenol	6.55	128	535330	42.87	ng	96
9) Benzaldehyde	6.31	77	85362	7.13	ng	98
10) Phenol	6.44	94	677266	39.32	ng	# 71
11) bis(2-Chloroethyl)ether	6.49	93	555110	39.88	ng	98
12) 1,3-Dichlorobenzene	6.68	146	576227m	40.31	ng	
13) 1,4-Dichlorobenzene	6.76	146	574468	39.25	ng	99
14) 1,2-Dichlorobenzene	6.92	146	529353	40.85	ng	96
15) Benzyl Alcohol	6.92	79	276093	27.56	ng	96
16) 2,2'-oxybis(1-Chloropropan	7.03	45	1012692	43.79	ng	99
17) 2-Methylphenol	7.04	107	451168	42.71	ng	97
18) Hexachloroethane	7.25	117	204427	41.42	ng	98
19) n-Nitroso-di-n-propylamine	7.17	70	416179	43.07	ng	92
20) 3+4-Methylphenols	7.20	107	613901	44.81	ng	# 72
22) Acetophenone	7.17	105	806269	45.27	ng	# 94
24) Nitrobenzene	7.34	77	672347	44.85	ng	97
25) Isophorone	7.58	82	1204285	44.77	ng	97
26) 2-Nitrophenol	7.66	139	307056	44.90	ng	87
27) 2,4-Dimethylphenol	7.72	122	484158	43.52	ng	93
28) bis(2-Chloroethoxy)methane	7.78	93	690077	40.64	ng	99
29) 2,4-Dichlorophenol	7.92	162	491204	46.93	ng	93
30) 1,2,4-Trichlorobenzene	7.97	180	465260	41.80	ng	94
31) Naphthalene	8.05	128	1530161	41.26	ng	99
32) Benzoic acid	7.88	122	243220	42.07	ng	93
34) Hexachlorobutadiene	8.16	225	254352	44.36	ng	99
35) Caprolactam	8.49	113	144330m	40.38	ng	
36) 4-Chloro-3-methylphenol	8.63	107	491074	43.96	ng	92
37) 2-Methylnaphthalene	8.73	142	1030915	43.69	ng	99
39) 1,2,4,5-Tetrachlorobenzene	8.90	216	452281	46.24	ng	99
40) Hexachlorocyclopentadiene	8.88	237	240031	94.65	ng	95
42) 2,4,6-Trichlorophenol	9.03	196	318146	52.06	ng	92

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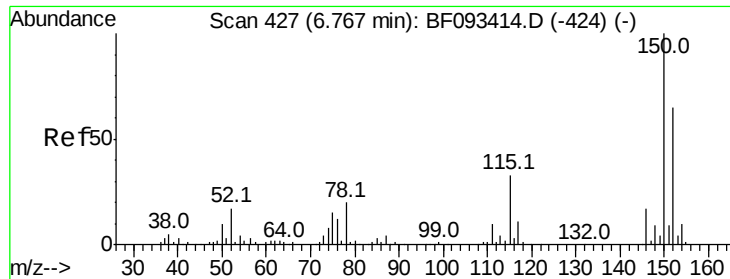
Manual Integrations
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 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030717.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2,4,5-Trichlorophenol	9.10	196	261615	39.90	nq	# 89
45) 1,1'-Biphenyl	9.20	154	1189423	45.58	nq	96
46) 2-Chloronaphthalene	9.22	162	951973	47.66	nq	96
47) 2-Nitroaniline	9.34	65	313545	44.41	nq	89
48) Acenaphthylene	9.64	152	1501739	45.59	nq	99
49) Dimethylphthalate	9.51	163	1189696	50.10	nq	99
50) 2,6-Dinitrotoluene	9.58	165	244182	46.86	nq	# 53
51) Acenaphthene	9.81	154	888438	45.61	nq	96
52) 3-Nitroaniline	9.77	138	25991	4.15	nq	# 84
53) 2,4-Dinitrophenol	9.89	184	179318	75.57	nq	# 80
54) Dibenzofuran	9.98	168	1294842	53.11	nq	91
55) 4-Nitrophenol	9.97	139	162335m	53.39	nq	
56) 2,4-Dinitrotoluene	9.99	165	316114	49.38	nq	# 81
57) Fluorene	10.32	166	1010993	48.94	nq	98
58) 2,3,4,6-Tetrachlorophenol	10.12	232	257600	55.67	nq	95
59) Diethylphthalate	10.21	149	1187786	52.34	nq	98
60) 4-Chlorophenyl-phenylether	10.32	204	473290	51.11	nq	# 74
61) 4-Nitroaniline	10.38	138	116434	18.19	nq	89
62) Azobenzene	10.48	77	1098080	42.58	nq	87
64) 4,6-Dinitro-2-methylphenol	10.40	198	142466	36.90	nq	# 42
65) n-Nitrosodiphenylamine	10.44	169	366449	18.42	nq	98
66) 4-Bromophenyl-phenylether	10.80	248	261177	41.44	nq	96
67) Hexachlorobenzene	10.87	284	263085	43.72	nq	# 79
68) Atrazine	10.97	200	66625	11.44	nq	95
69) Pentachlorophenol	11.09	266	184550	88.83	nq	98
70) Phenanthrene	11.28	178	1475626	43.38	nq	99
71) Anthracene	11.34	178	1442043	41.91	nq	99
72) Carbazole	11.50	167	586077	18.13	nq	99
73) Di-n-butylphthalate	11.82	149	1622728	43.39	nq	98
74) Fluoranthene	12.47	202	1484112	45.17	nq	97
77) Pyrene	12.70	202	1478681	43.09	nq	99
79) Butylbenzylphthalate	13.32	149	694693	48.09	nq	93
80) Benzo(a)anthracene	13.90	228	1273734	45.71	nq	99
82) Chrysene	13.93	228	1236344	47.96	nq	99
83) Bis(2-ethylhexyl)phthalate	13.88	149	1007504	50.04	nq	# 96
84) Di-n-octyl phthalate	14.48	149	1640483	48.89	nq	98
85) Indeno(1,2,3-cd)pyrene	16.67	276	865866	40.13	nq	# 93
87) Benzo(b)fluoranthene	14.92	252	1151424m	76.35	nq	
88) Benzo(k)fluoranthene	14.94	252	1033606m	71.07	nq	
89) Benzo(a)pyrene	15.26	252	923345	66.99	nq	97
90) Dibenzo(a,h)anthracene	16.67	278	791463	69.41	nq	# 95
91) Benzo(g,h,i)perylene	17.08	276	732976	62.63	nq	# 92

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.74 min Scan# 425

Delta R.T. -0.02 min

Lab File: BF093528.D

Acq: 10 Mar 2017 18:05

Instrument :

BNA_F

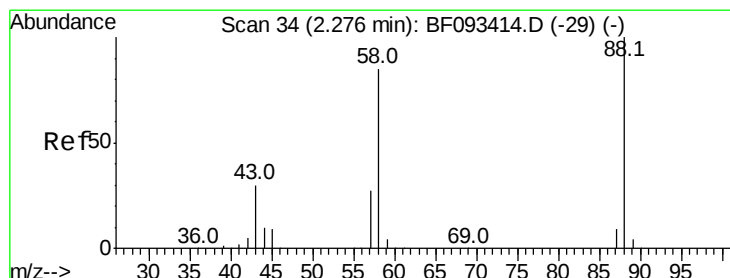
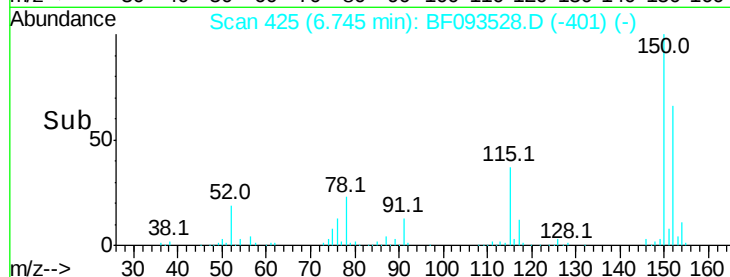
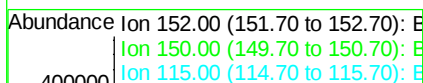
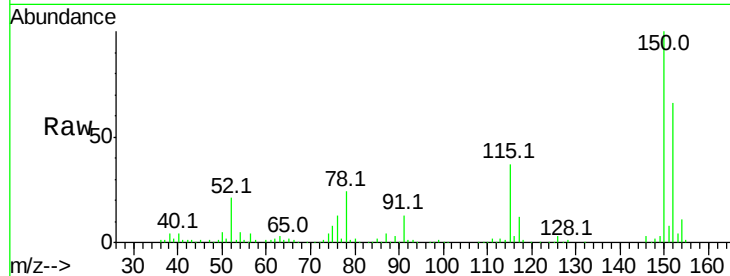
ClientSampled :

D-38MS

Tot Ion:	152	Resp:	185502
Ion Ratio	Lower	Upper	
152	100		
150	152.6	124.9	187.3
115	56.3	46.0	69.0

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#2

1,4-Dioxane

Concen: 39.39 ng

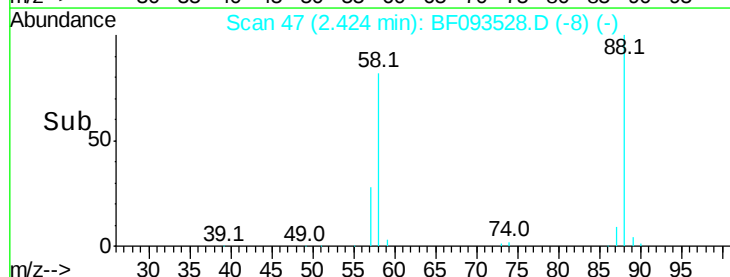
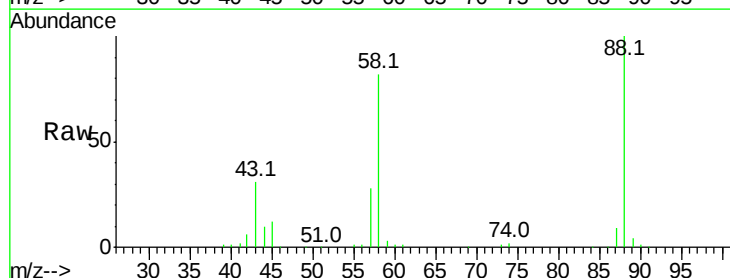
RT: 2.42 min Scan# 47

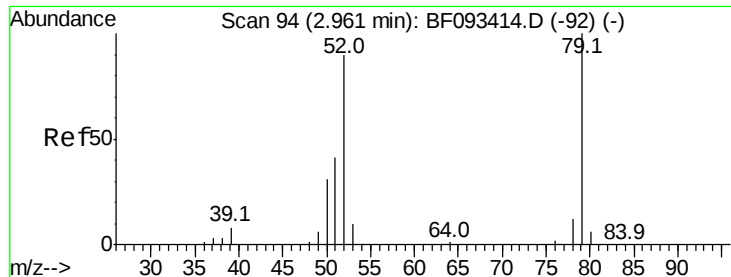
Delta R.T. 0.15 min

Lab File: BF093528.D

Acq: 10 Mar 2017 18:05

Tgt Ion:	88	Resp:	241801
Ion Ratio	Lower	Upper	
88	100		
58	89.8	57.8	86.8#
43	0.0	22.3	33.5#





#3

Pvridine

Concen: 23.71 ng/ml

RT: 3.13 min Scan# 109

Delta R.T. 0.17 min

Lab File: BF093528.D

Acq: 10 Mar 2017 18:05

Instrument :

BNA_F

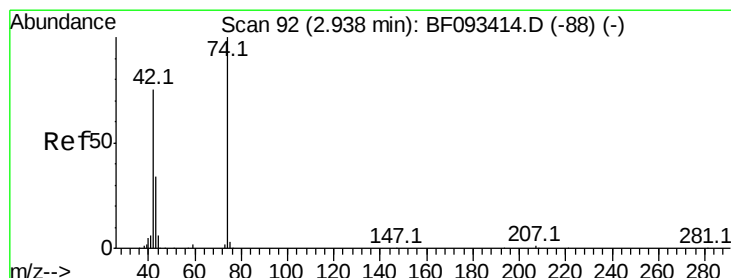
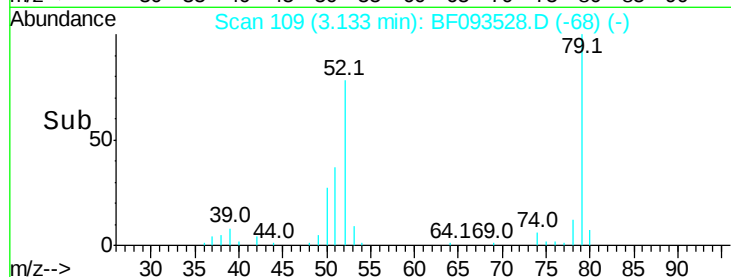
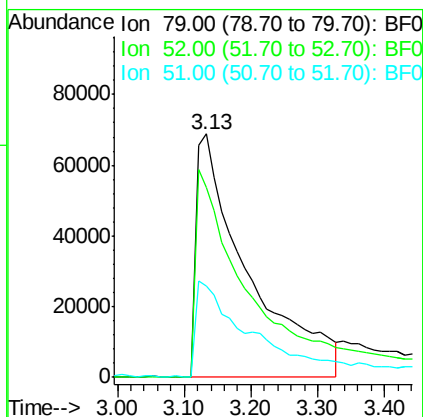
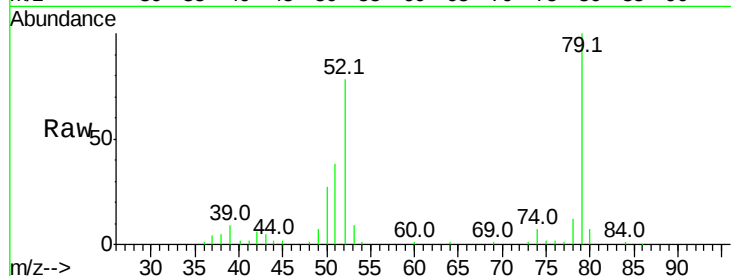
ClientSampleId :

D-38MS

Tot Ion:	79	Resp:	371058
Ion Ratio	Lower	Upper	
79	100		
52	78.0	57.1	85.7
51	37.5	27.3	40.9

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#4

n-Nitrosodimethylamine

Concen: 45.95 ng/ml

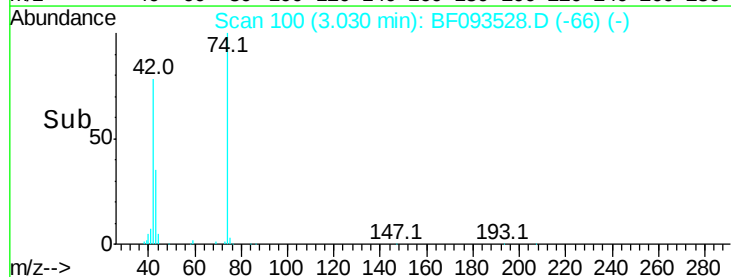
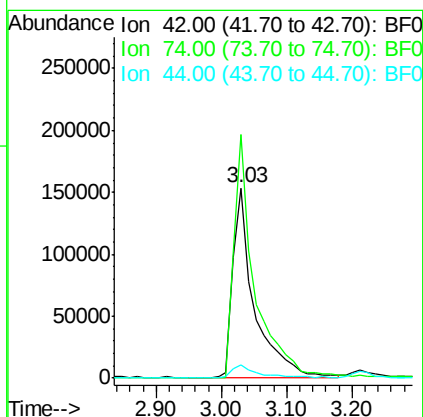
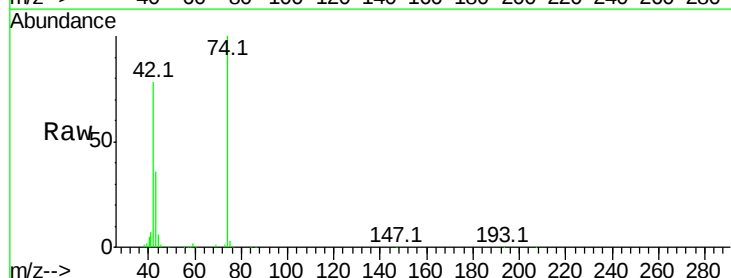
RT: 3.03 min Scan# 100

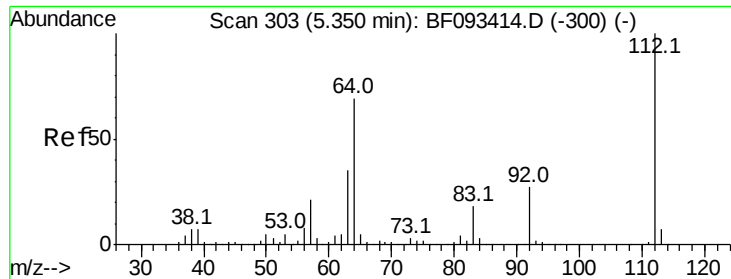
Delta R.T. 0.09 min

Lab File: BF093528.D

Acq: 10 Mar 2017 18:05

Tgt Ion:	42	Resp:	343508
Ion Ratio	Lower	Upper	
42	100		
74	127.8	117.0	175.4
44	7.1	5.5	8.3





#5

2-Fluorophenol

Concen: 131.29 ng

RT: 5.37 min Scan# 305

Delta R.T. 0.02 min

Lab File: BF093528.D

Acq: 10 Mar 2017 18:05

Instrument :

BNA_F

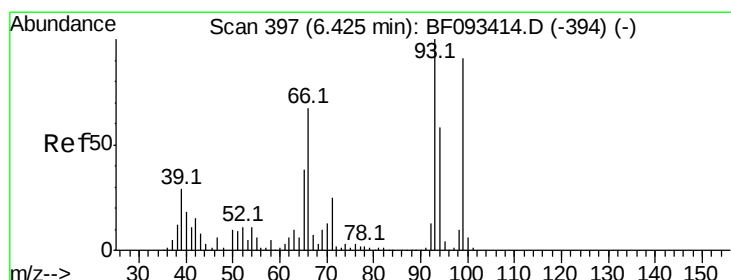
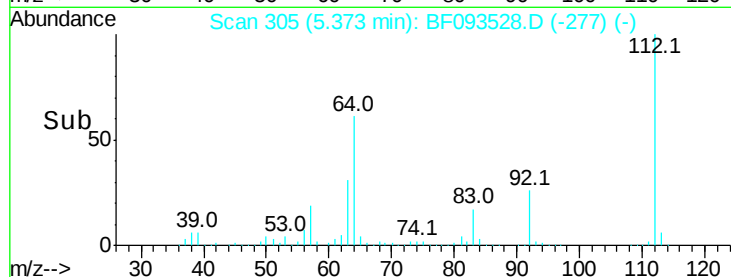
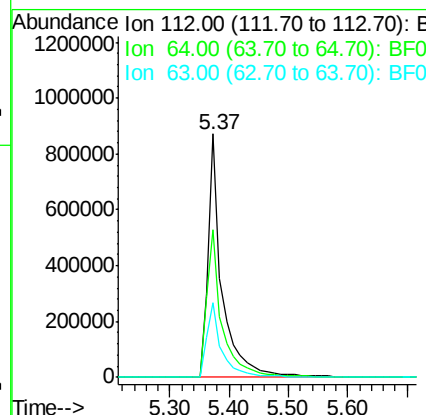
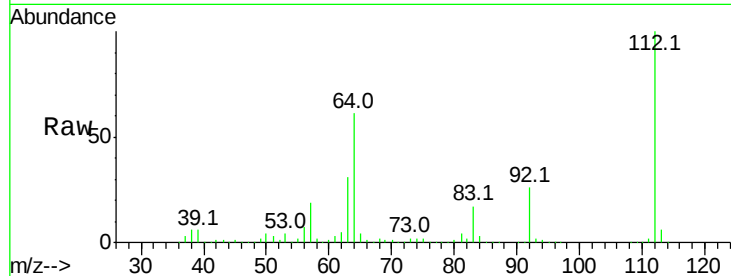
ClientSampled :

D-38MS

Tot Ion:	112	Resp:	1463307
Ion Ratio	Lower	Upper	
112	100		
64	60.8	46.1	69.1
63	30.8	23.8	35.6

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#6

Aniline

Concen: 30.98 ng m

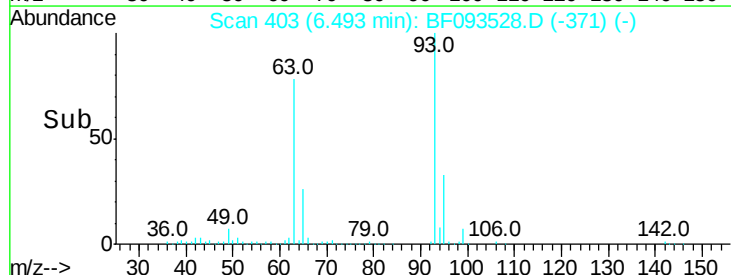
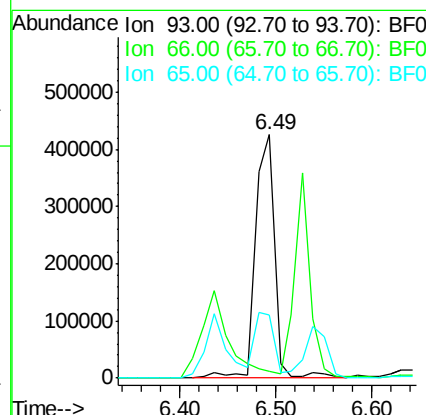
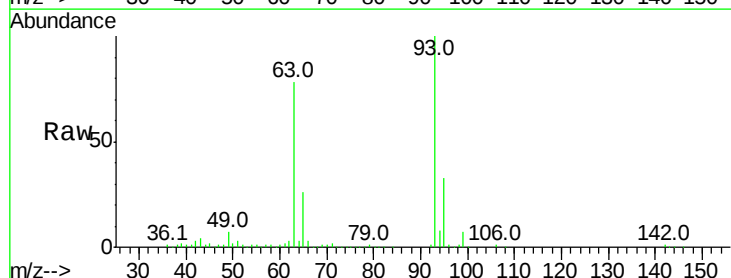
RT: 6.49 min Scan# 403

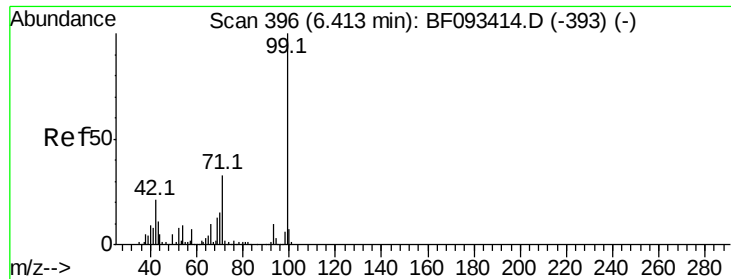
Delta R.T. 0.07 min

Lab File: BF093528.D

Acq: 10 Mar 2017 18:05

Tgt Ion:	93	Resp:	597682
Ion Ratio	Lower	Upper	
93	100		
66	2.6	76.2	114.2#
65	25.7	49.3	73.9#





#7

Phenol-d6

Concen: 129.72 ng

RT: 6.42 min Scan# 397

Delta R.T. 0.01 min

Lab File: BF093528.D

Acq: 10 Mar 2017 18:05

Instrument :

BNA_F

ClientSampleId :

D-38MS

Tot Ion: 99 Resp: 1823272

Ion Ratio Lower Upper

99 100

42 17.5 15.6 23.4

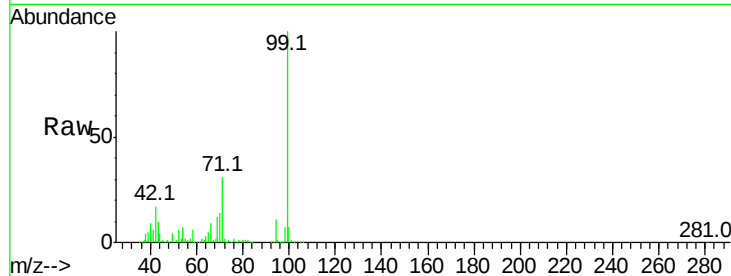
71 31.2 27.5 41.3

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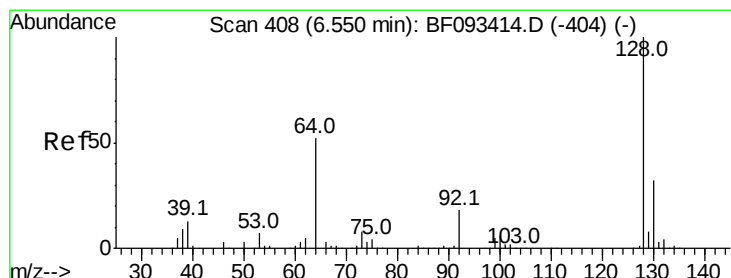
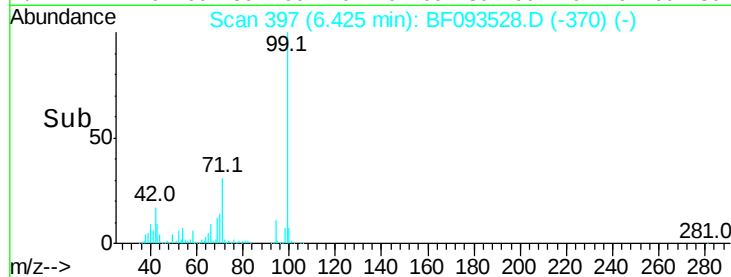
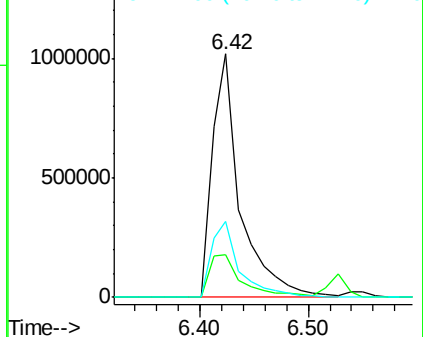
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 42.87 ng

RT: 6.55 min Scan# 408

Delta R.T. 0.00 min

Lab File: BF093528.D

Acq: 10 Mar 2017 18:05

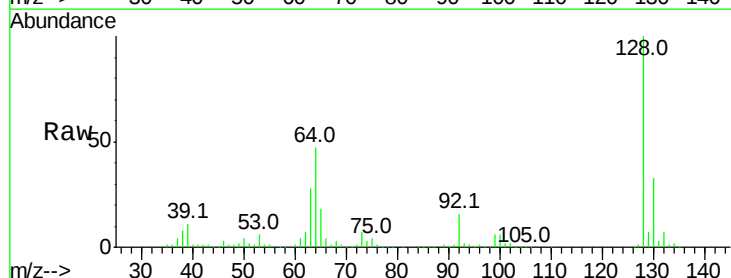
Tgt Ion:128 Resp: 535330

Ion Ratio Lower Upper

128 100

130 32.7 12.3 52.3

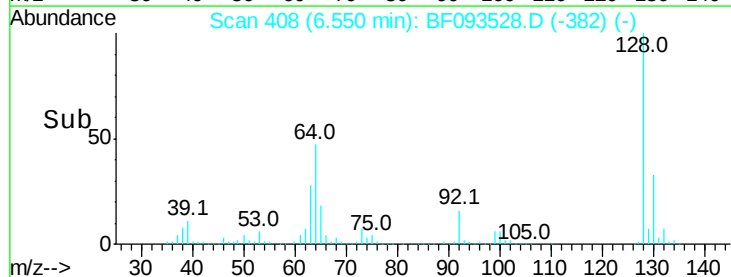
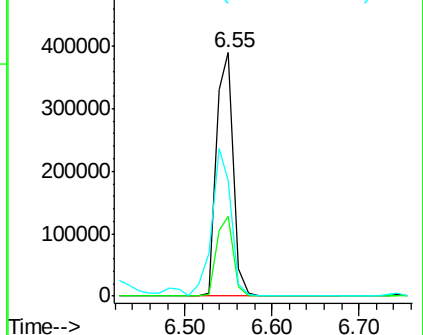
64 47.5 32.2 72.2

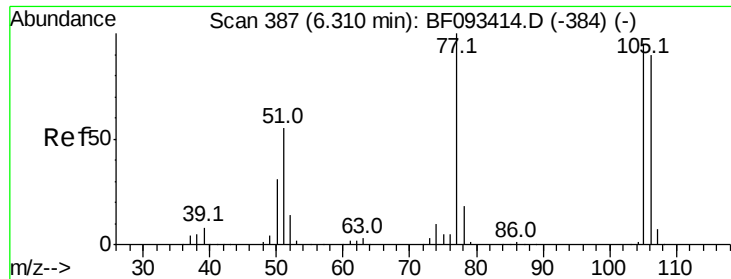


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 7.13 ng

RT: 6.31 min Scan# 387

Delta R.T. 0.00 min

Lab File: BF093528.D

Acq: 10 Mar 2017 18:05

Instrument :

BNA_F

ClientSampleId :

D-38MS

Tot Ion: 77 Resp: 85362

Ion Ratio Lower Upper

77 100

105 100.7 83.9 123.9

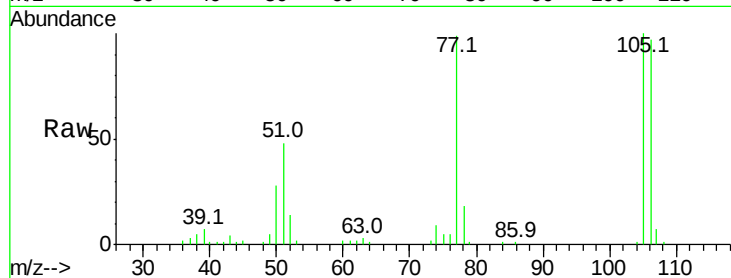
106 97.5 77.6 117.6

Manual Integrations

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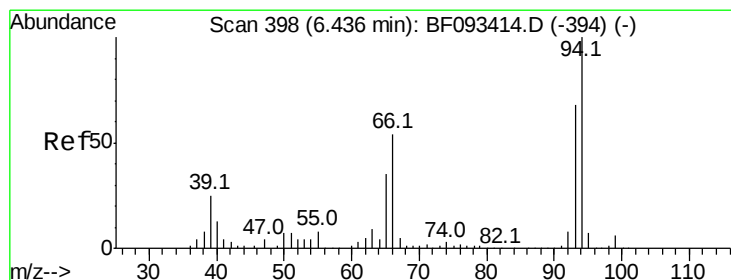
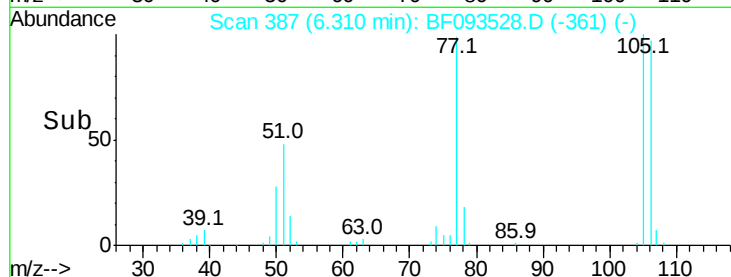
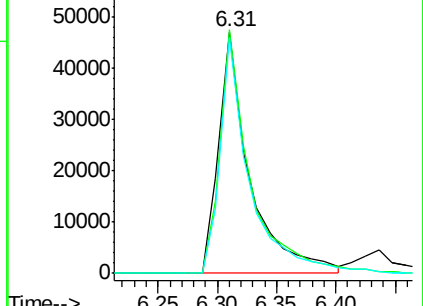
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Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 39.32 ng

RT: 6.44 min Scan# 398

Delta R.T. 0.00 min

Lab File: BF093528.D

Acq: 10 Mar 2017 18:05

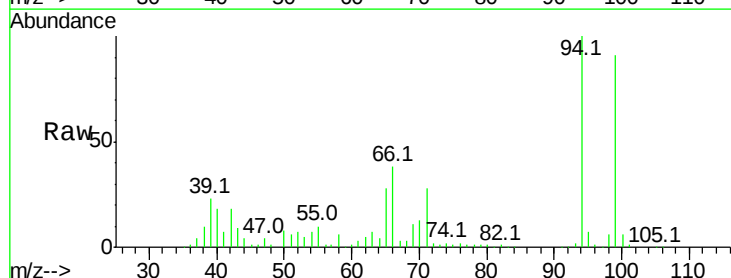
Tgt Ion: 94 Resp: 677266

Ion Ratio Lower Upper

94 100

65 28.0 21.4 61.4

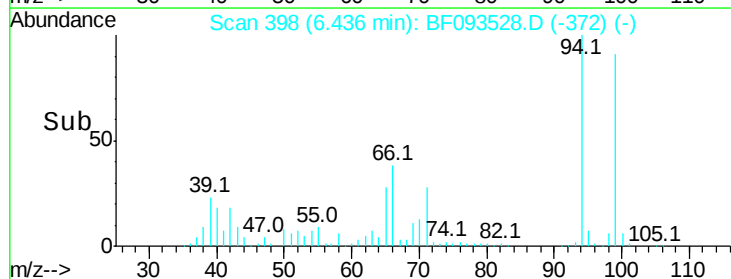
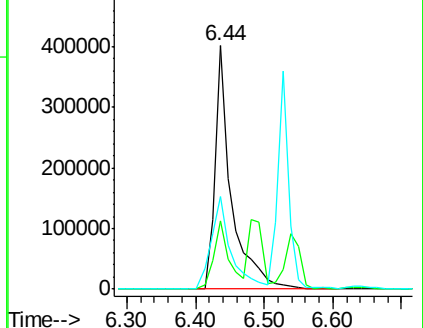
66 37.9 44.0 84.0#

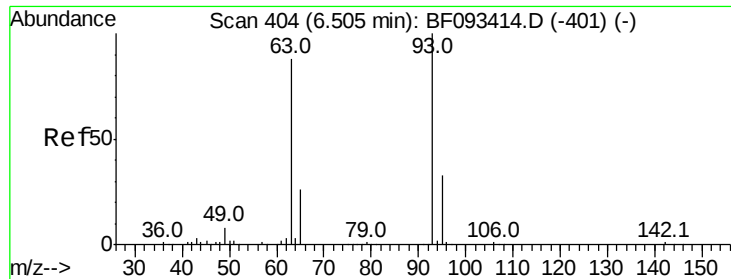


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#11

bis(2-Chloroethyl)ether

Concen: 39.88 ng

RT: 6.49 min Scan# 403

Delta R.T. -0.01 min

Lab File: BF093528.D

Acq: 10 Mar 2017 18:05

Instrument :

BNA_F

ClientSampleId :

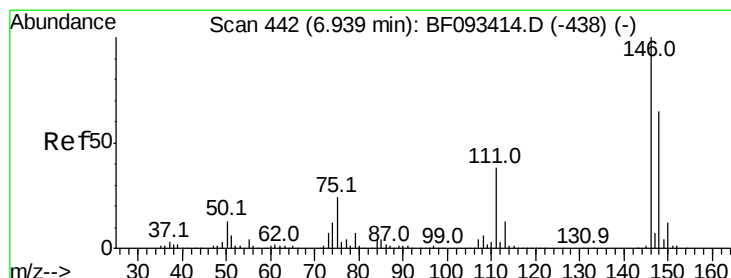
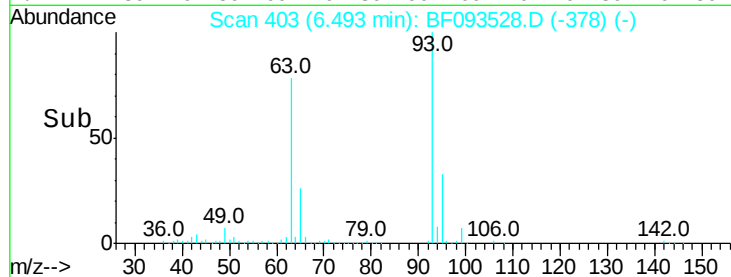
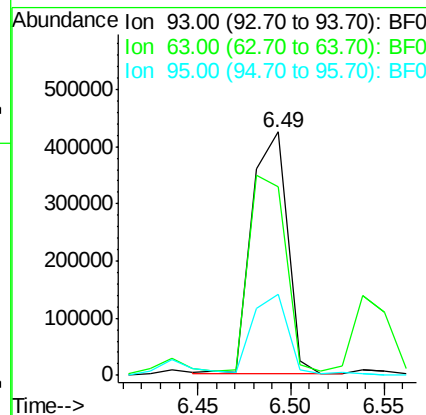
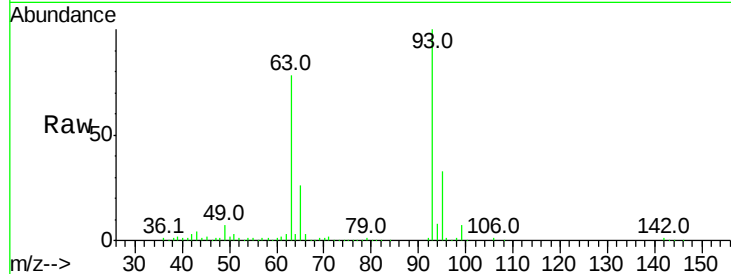
D-38MS

Tot Ion: 93 Resp: 555110

Ion	Ratio	Lower	Upper
93	100		
63	77.6	60.4	100.4
95	33.2	12.8	52.8

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#12

1,3-Dichlorobenzene

Concen: 40.31 ng m

RT: 6.68 min Scan# 419

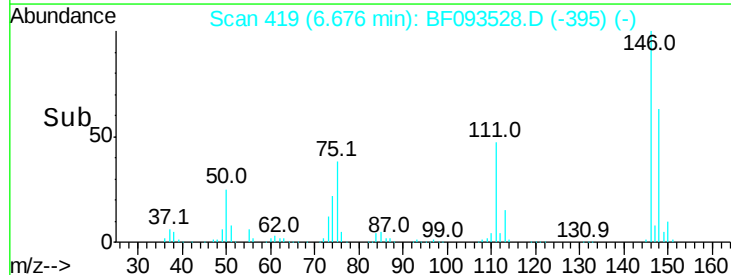
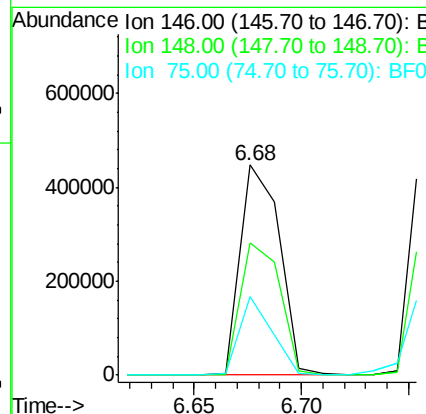
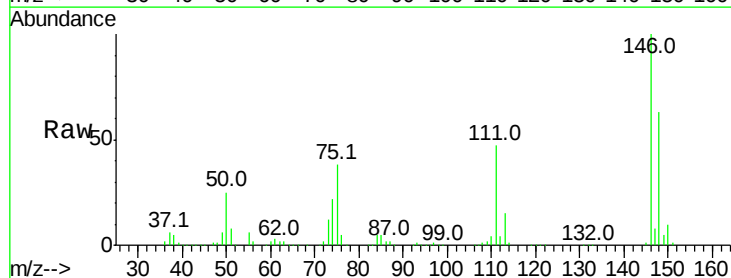
Delta R.T. -0.02 min

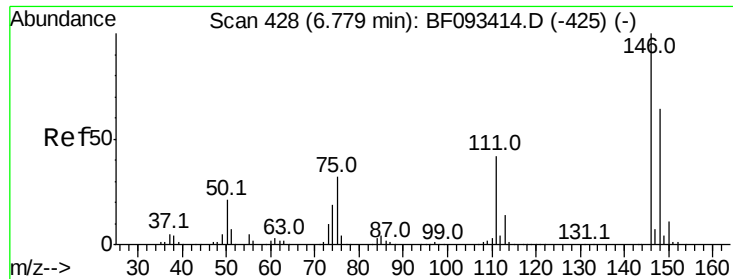
Lab File: BF093528.D

Acq: 10 Mar 2017 18:05

Tgt Ion: 146 Resp: 576227

Ion	Ratio	Lower	Upper
146	100		
148	62.9	53.4	80.0
75	37.5	18.5	27.7#





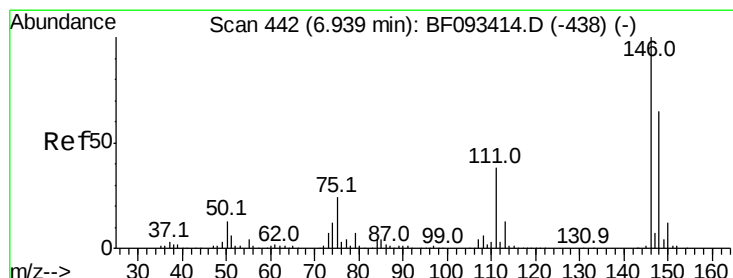
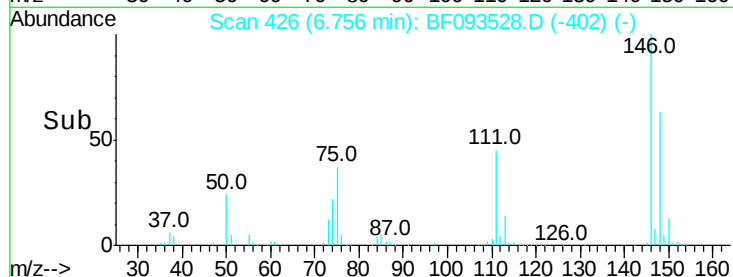
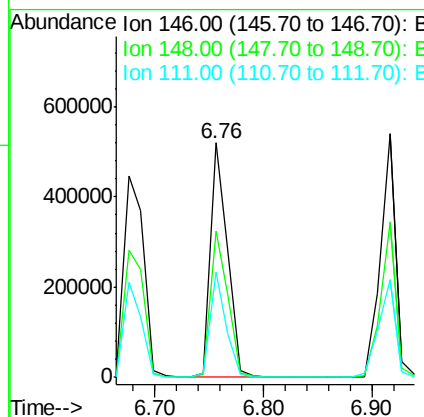
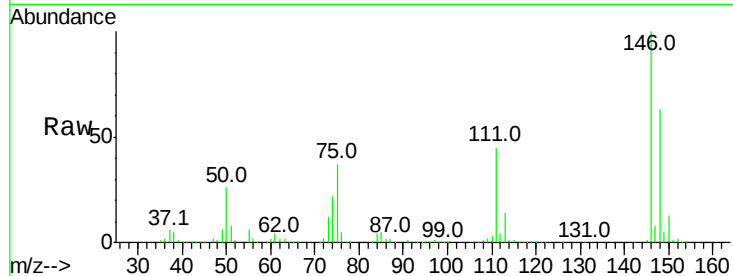
#13
 1,4-Dichlorobenzene
 Concen: 39.25 ng
 RT: 6.76 min Scan# 426
 Delta R.T. -0.02 min
 Lab File: BF093528.D
 Acq: 10 Mar 2017 18:05

Instrument :
 BNA_F
 ClientSampleId :
 D-38MS

Tot Ion	Ratio	Lower	Upper
146	100		
148	62.6	50.6	76.0
111	45.2	36.2	54.4

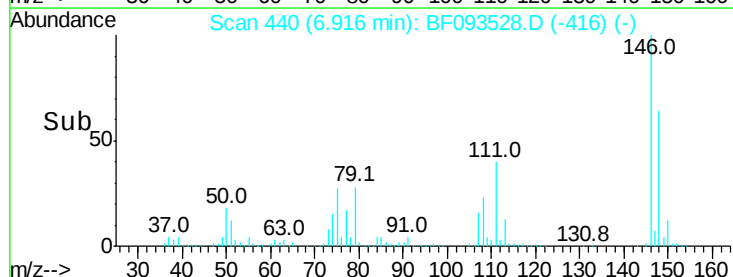
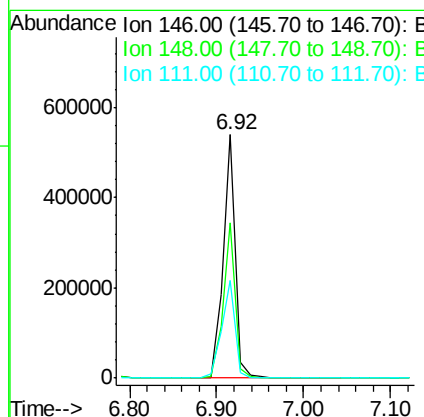
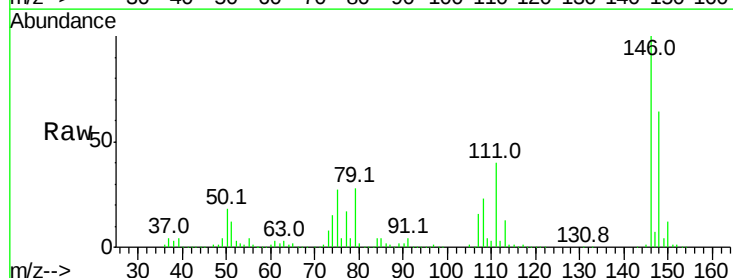
Manual Integrations
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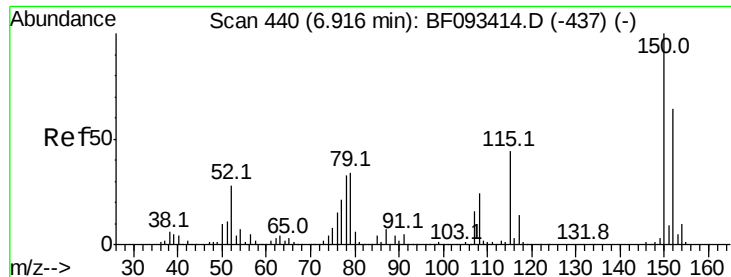
mohammad
 3/13/2017 5:28:48 PM



#14
 1,2-Dichlorobenzene
 Concen: 40.85 ng
 RT: 6.92 min Scan# 440
 Delta R.T. -0.02 min
 Lab File: BF093528.D
 Acq: 10 Mar 2017 18:05

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.8	52.2	78.2
111	40.1	36.2	54.2





#15

Benzyl Alcohol

Concen: 27.56 ng

RT: 6.92 min Scan# 440

Delta R.T. 0.00 min

Lab File: BF093528.D

Acq: 10 Mar 2017 18:05

Instrument :

BNA_F

ClientSampled :

D-38MS

Tot Ion: 79 Resp: 276093

Ion Ratio Lower Upper

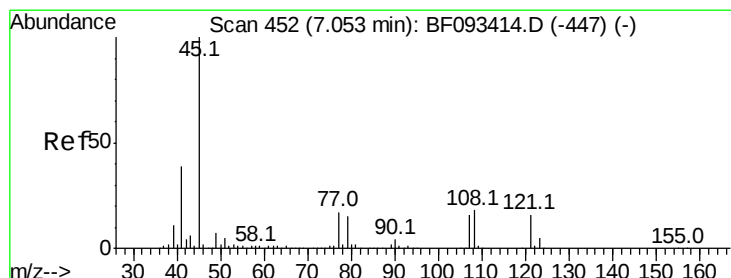
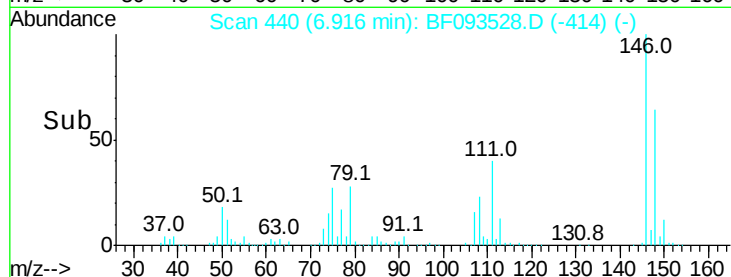
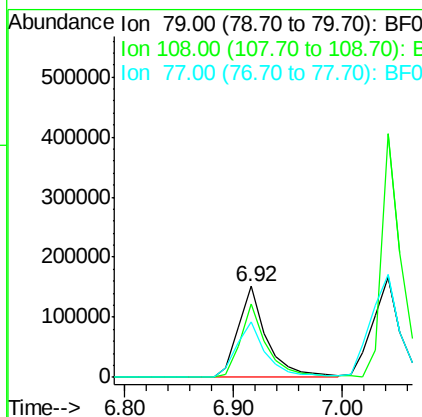
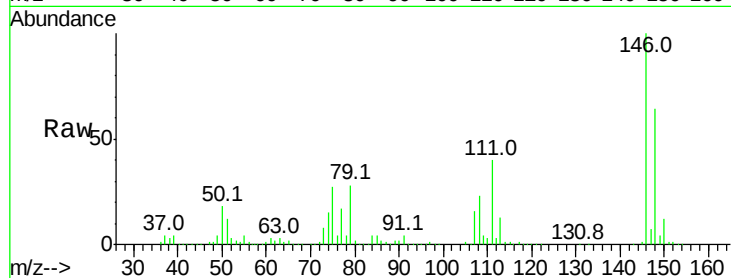
79 100

108 80.2 61.4 92.0

77 61.0 50.9 76.3

Manual Integrations
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#16

2,2'-oxybis(1-Chloropropane)

Concen: 43.79 ng

RT: 7.03 min Scan# 450

Delta R.T. -0.02 min

Lab File: BF093528.D

Acq: 10 Mar 2017 18:05

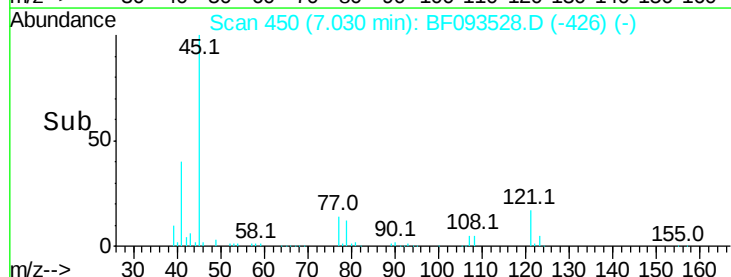
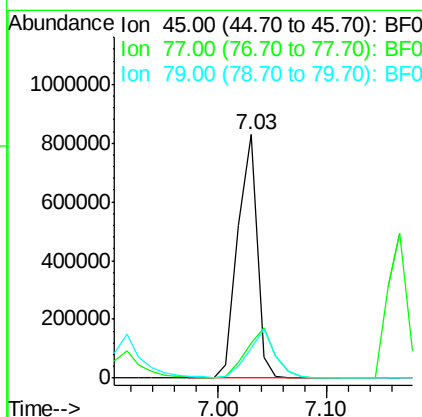
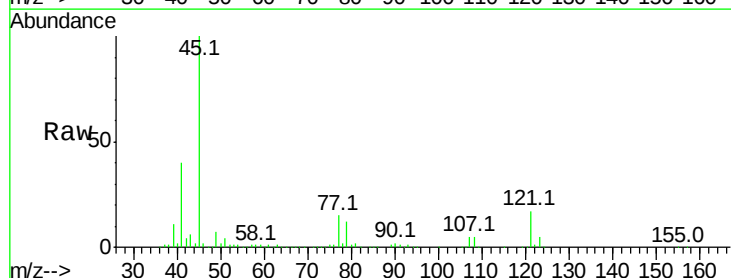
Tgt Ion: 45 Resp: 1012692

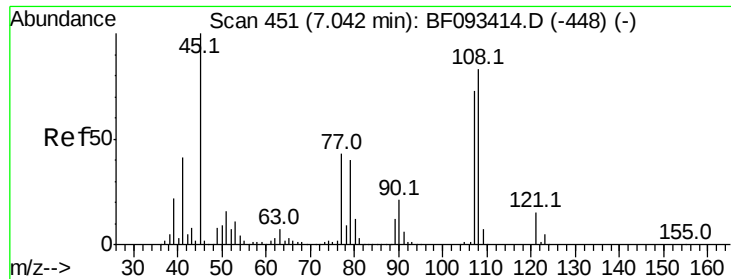
Ion Ratio Lower Upper

45 100

77 14.6 0.0 34.6

79 12.3 0.0 31.2





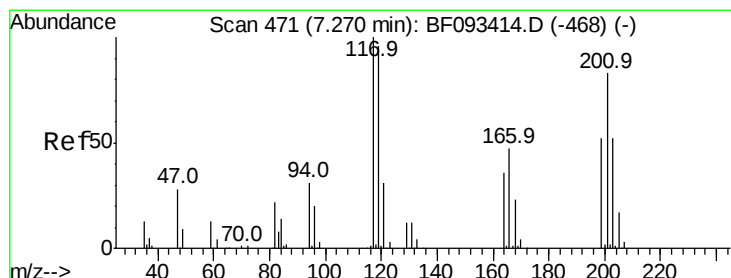
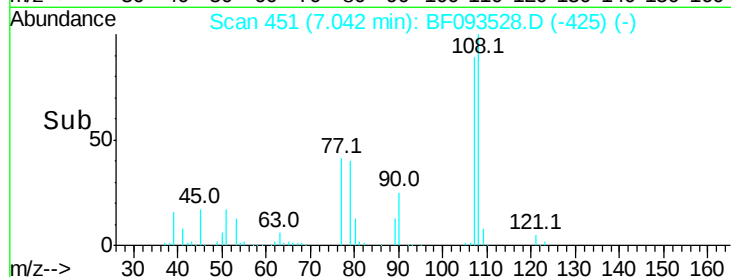
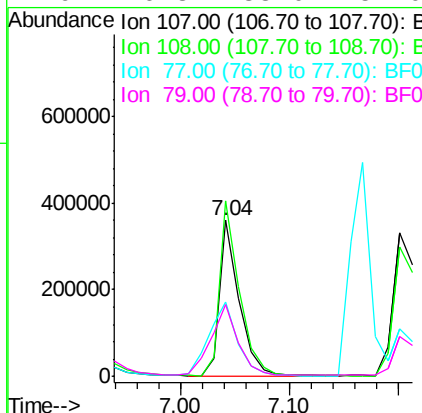
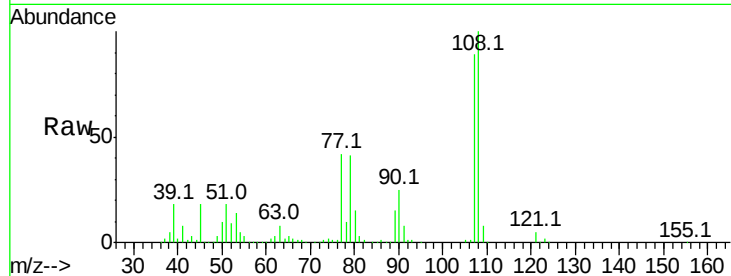
#17
2-Methylphenol
Concen: 42.71 ng
RT: 7.04 min Scan# 451
Delta R.T. 0.00 min
Lab File: BF093528.D
Acq: 10 Mar 2017 18:05

Instrument :
BNA_F
ClientSampled :
D-38MS

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	112.4	93.0	139.6	
77	47.6	39.8	59.8	
79	46.3	38.0	57.0	

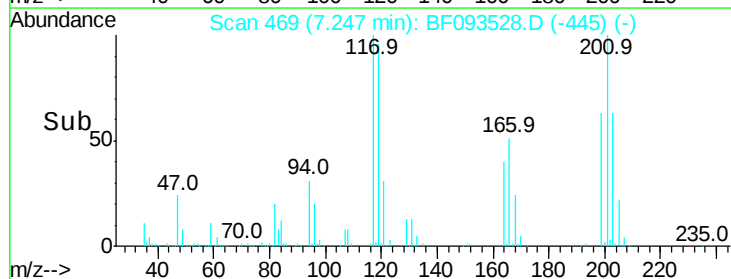
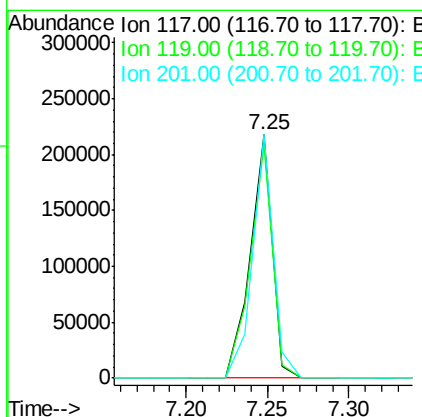
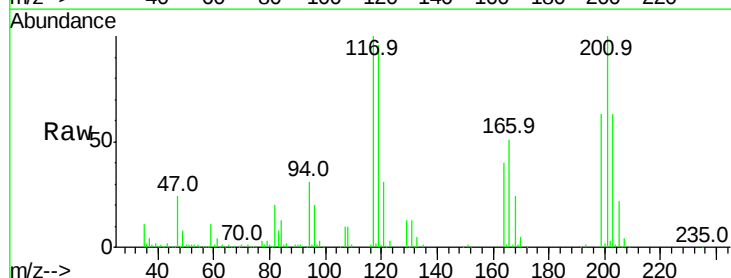
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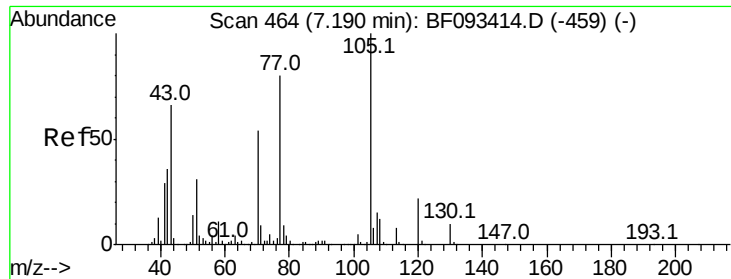
mohammad
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#18
Hexachloroethane
Concen: 41.42 ng
RT: 7.25 min Scan# 469
Delta R.T. -0.02 min
Lab File: BF093528.D
Acq: 10 Mar 2017 18:05

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	95.7	78.1	117.1	
201	99.9	78.6	117.8	





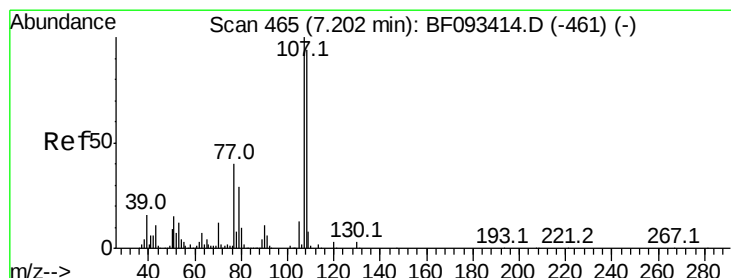
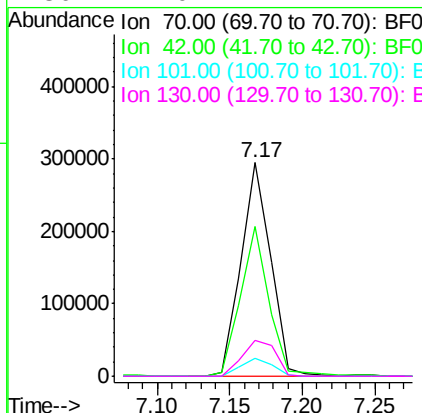
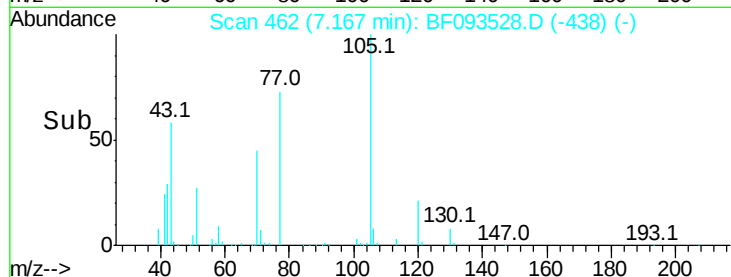
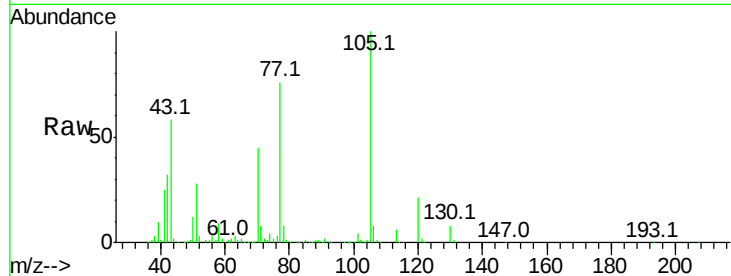
#19
n-Nitroso-di-n-propylamine
Concen: 43.07 ng
RT: 7.17 min Scan# 462
Delta R.T. -0.02 min
Lab File: BF093528.D
Acq: 10 Mar 2017 18:05

Instrument :
BNA_F
ClientSampleId :
D-38MS

Tot Ion	Ratio	Lower	Upper
70	100		
42	69.9	49.4	74.0
101	8.3	7.4	11.2
130	17.0	14.2	21.4

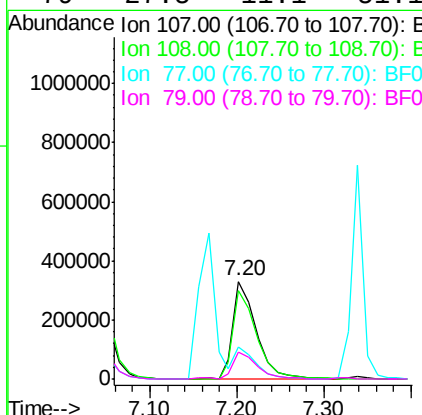
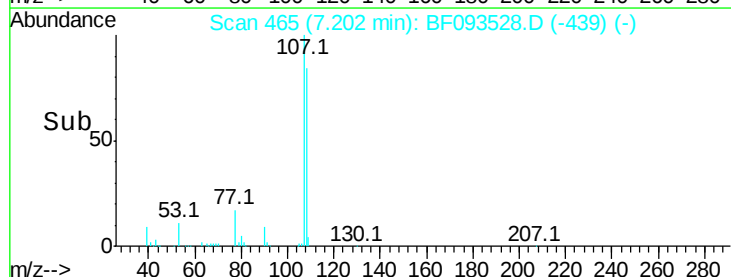
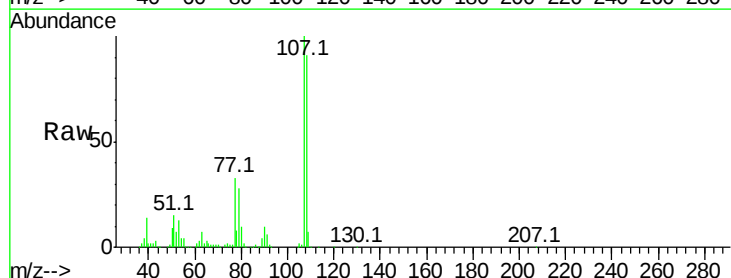
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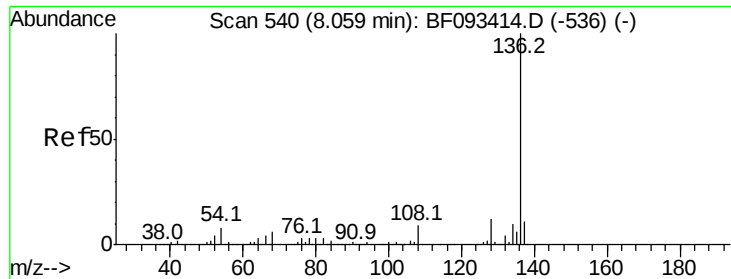
mohammad
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#20
3+4-Methylphenols
Concen: 44.81 ng
RT: 7.20 min Scan# 465
Delta R.T. 0.00 min
Lab File: BF093528.D
Acq: 10 Mar 2017 18:05

Tgt Ion	Ratio	Lower	Upper
107	100		
108	90.7	73.0	113.0
77	33.2	71.3	111.3#
79	27.5	11.1	51.1





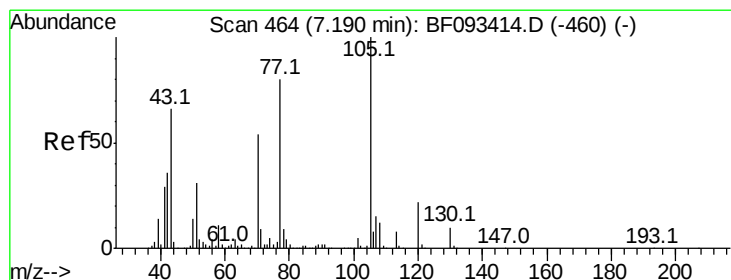
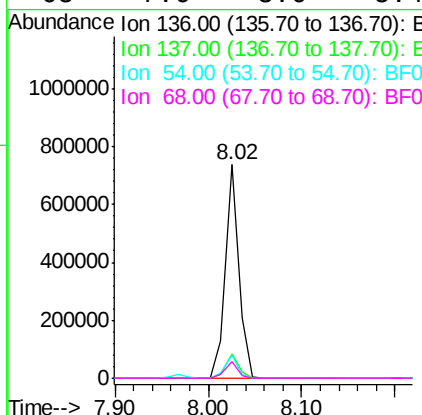
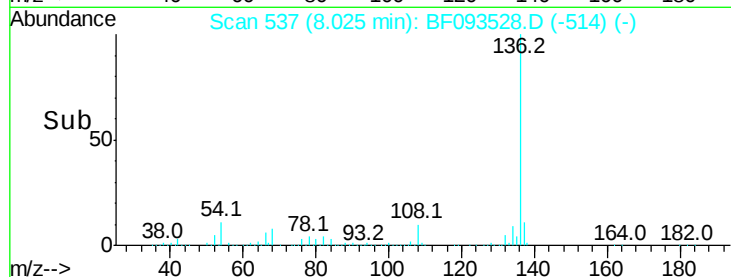
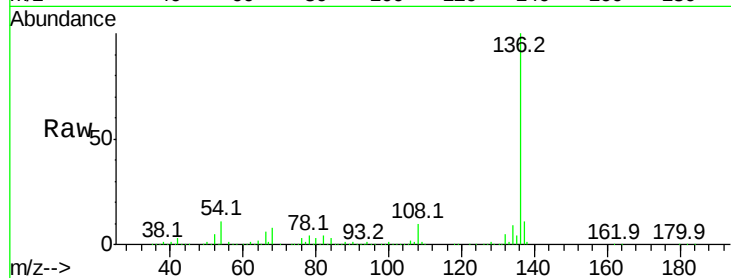
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.02 min Scan# 537
Delta R.T. -0.03 min
Lab File: BF093528.D
Acq: 10 Mar 2017 18:05

Instrument :
BNA_F
ClientSampled :
D-38MS

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.1	8.4	12.6	
54	11.0	4.5	6.7#	
68	7.6	3.6	5.4#	

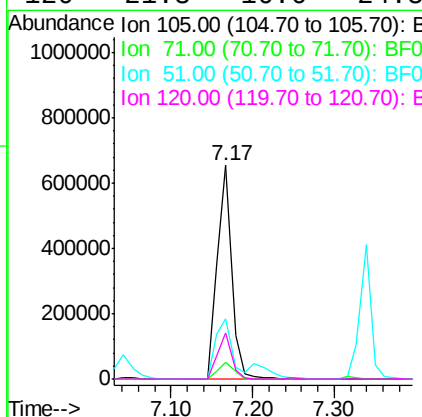
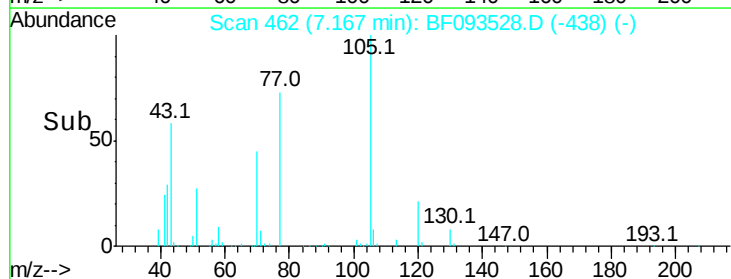
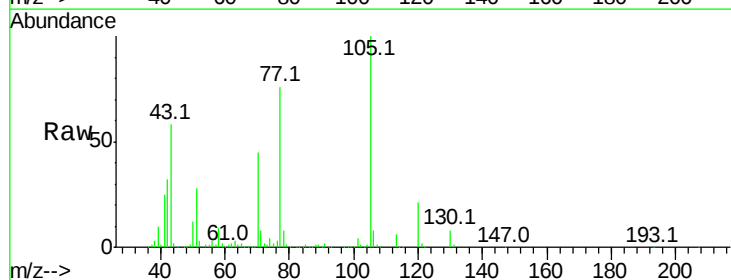
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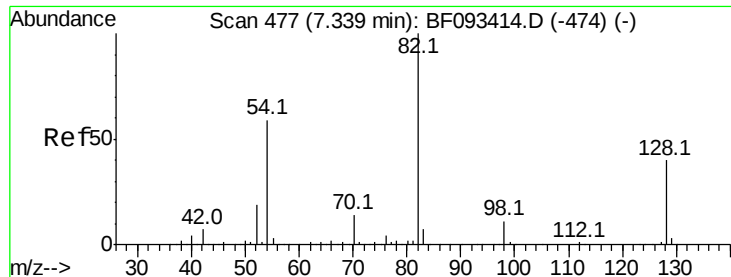
mohammad
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#22
Acetophenone
Concen: 45.27 ng
RT: 7.17 min Scan# 462
Delta R.T. -0.02 min
Lab File: BF093528.D
Acq: 10 Mar 2017 18:05

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	7.7	3.2	4.8#	
51	28.4	26.2	39.4	
120	21.3	16.6	24.8	





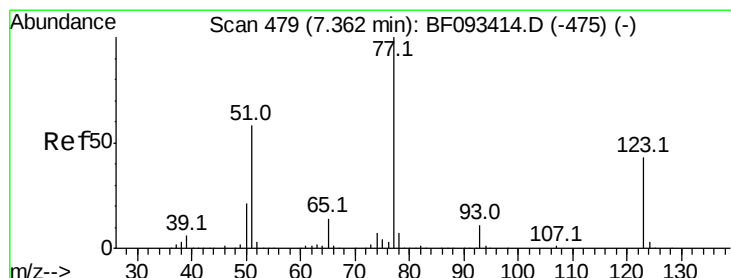
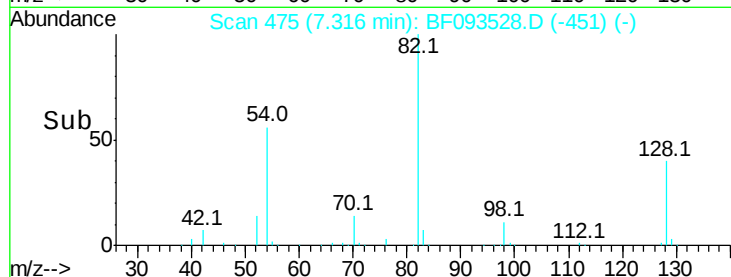
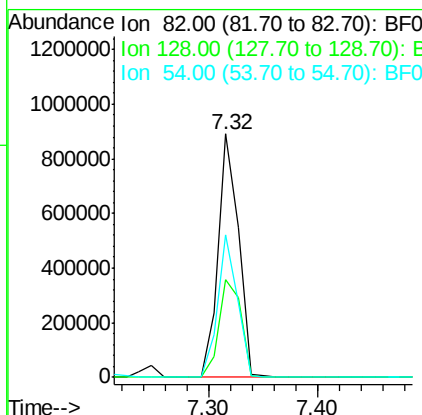
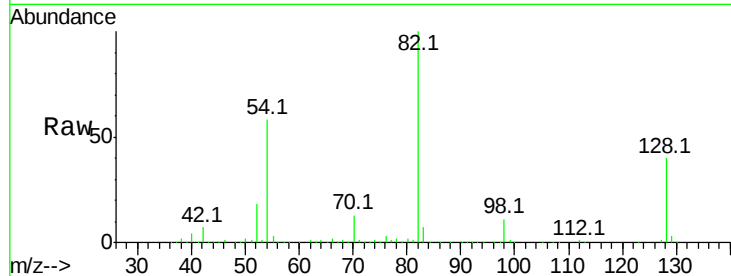
#23
 Nitrobenzene-d5
 Concen: 87.69 ng
 RT: 7.32 min Scan# 475
 Delta R.T. -0.02 min
 Lab File: BF093528.D
 Acq: 10 Mar 2017 18:05

Instrument :
 BNA_F
 ClientSampled :
 D-38MS

Tot Ion	Ratio	Lower	Upper
82	100		
128	39.9	34.6	52.0
54	58.5	39.5	59.3

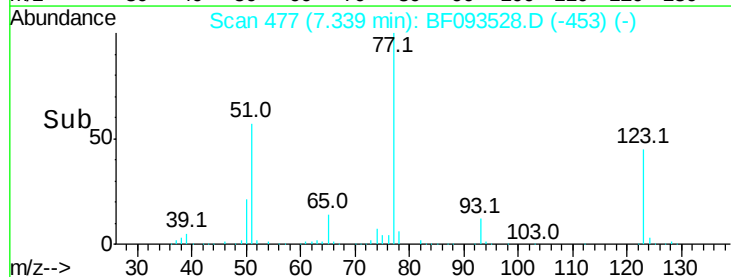
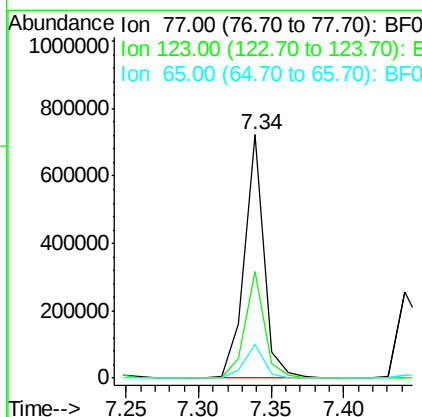
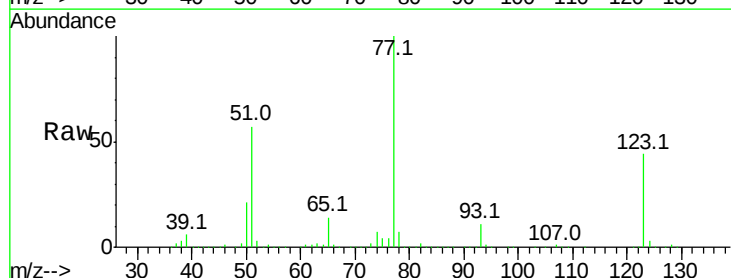
Manual Integrations
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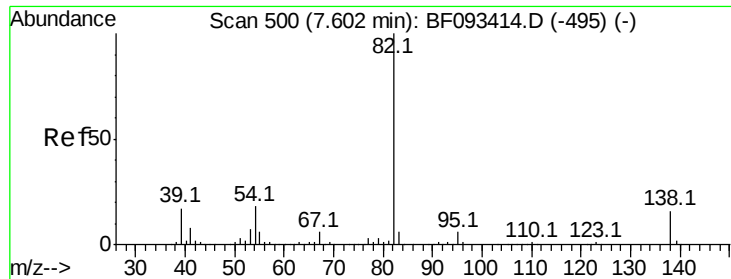
mohammad
 3/13/2017 5:28:48 PM



#24
 Nitrobenzene
 Concen: 44.85 ng
 RT: 7.34 min Scan# 477
 Delta R.T. -0.02 min
 Lab File: BF093528.D
 Acq: 10 Mar 2017 18:05

Tgt Ion	Ratio	Lower	Upper
77	100		
123	43.8	33.0	49.4
65	14.0	11.2	16.8





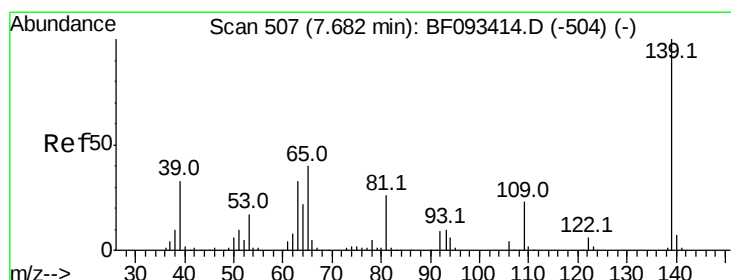
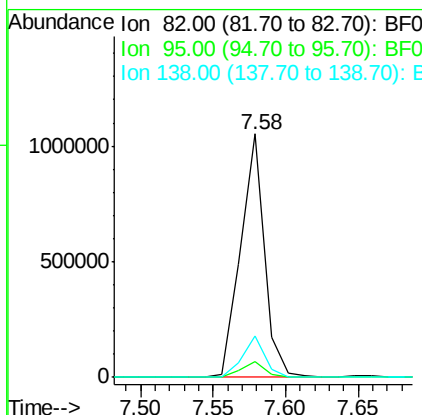
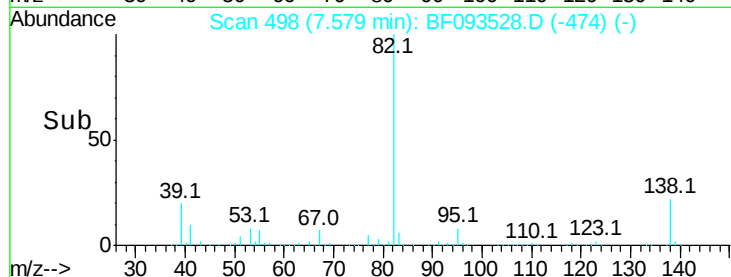
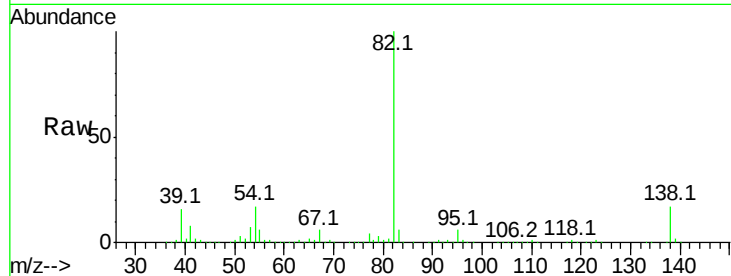
#25
Isophorone
Concen: 44.77 ng
RT: 7.58 min Scan# 498
Delta R.T. -0.02 min
Lab File: BF093528.D
Acq: 10 Mar 2017 18:05

Instrument :
BNA_F
ClientSampleId :
D-38MS

Tot Ion: 82 Resp: 1204285
Ion Ratio Lower Upper
82 100
95 6.4 5.6 8.4
138 16.8 14.6 22.0

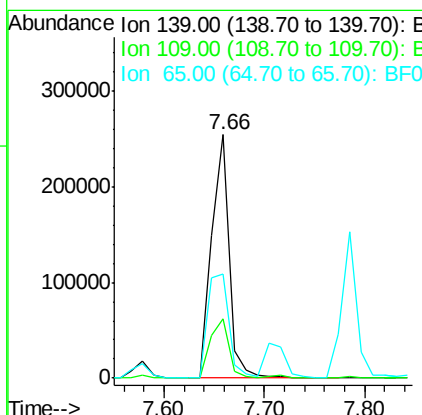
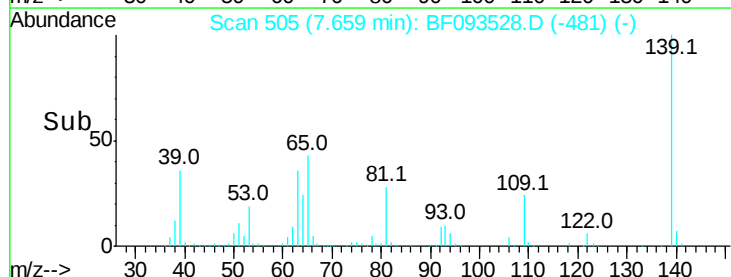
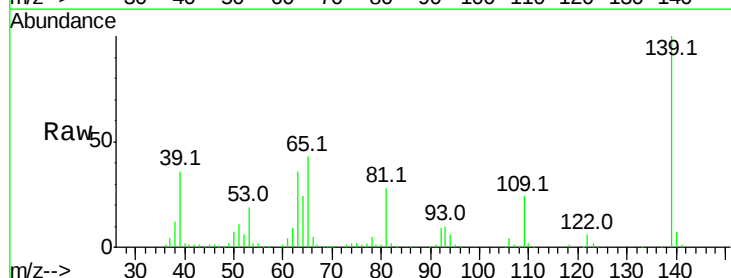
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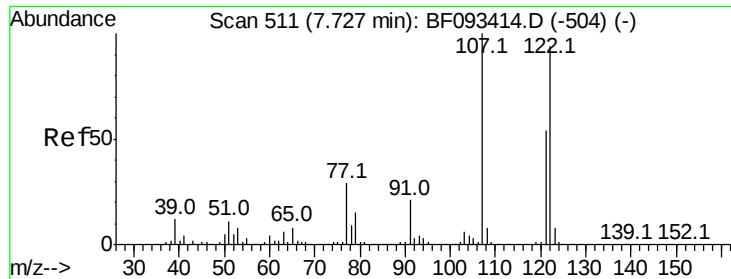
mohammad
3/13/2017 5:28:48 PM



#26
2-Nitrophenol
Concen: 44.90 ng
RT: 7.66 min Scan# 505
Delta R.T. -0.02 min
Lab File: BF093528.D
Acq: 10 Mar 2017 18:05

Tgt Ion:139 Resp: 307056
Ion Ratio Lower Upper
139 100
109 24.5 23.3 34.9
65 42.9 42.7 64.1





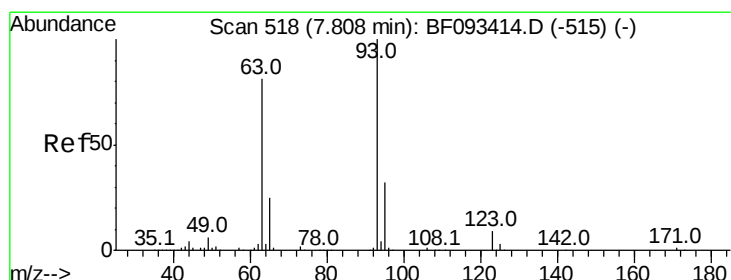
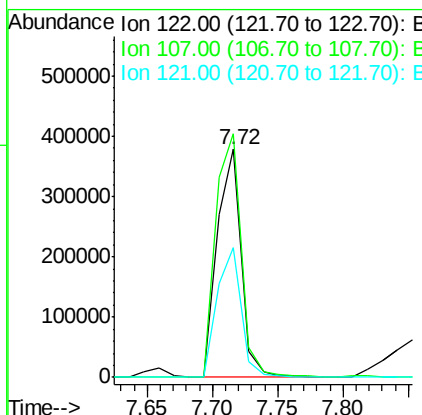
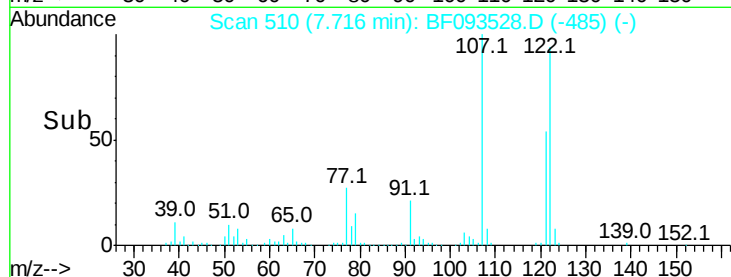
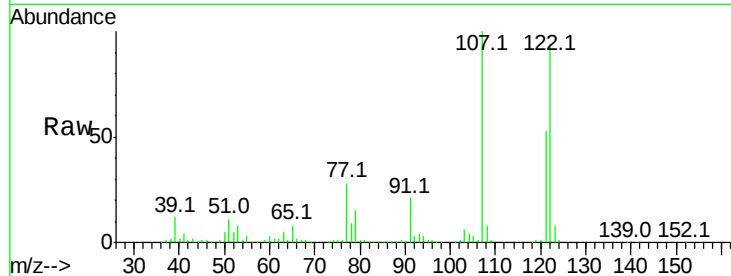
#27
2,4-Dimethylphenol
Concen: 43.52 ng
RT: 7.72 min Scan# 510
Delta R.T. -0.01 min
Lab File: BF093528.D
Acq: 10 Mar 2017 18:05

Instrument :
BNA_F
ClientSampled :
D-38MS

Tot Ion	Ratio	Lower	Upper
122	100		
107	106.7	94.1	141.1
121	57.1	46.0	69.0

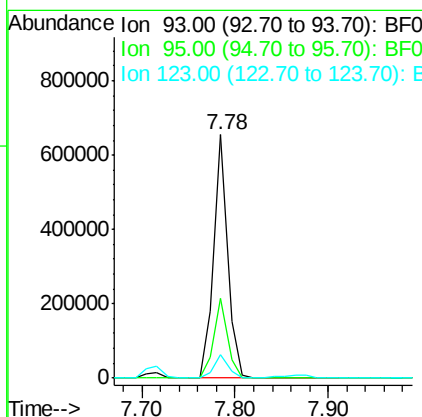
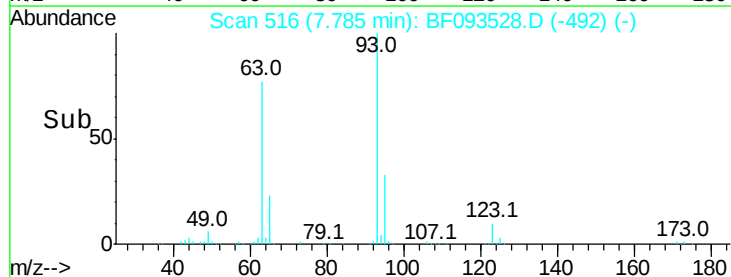
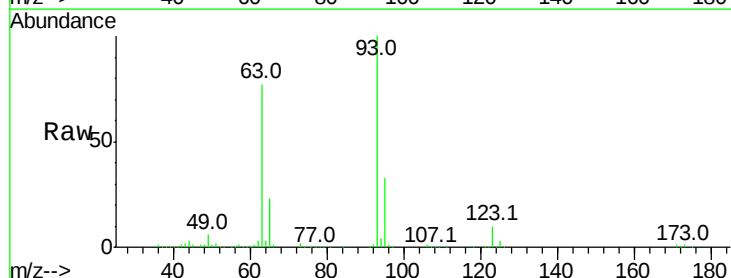
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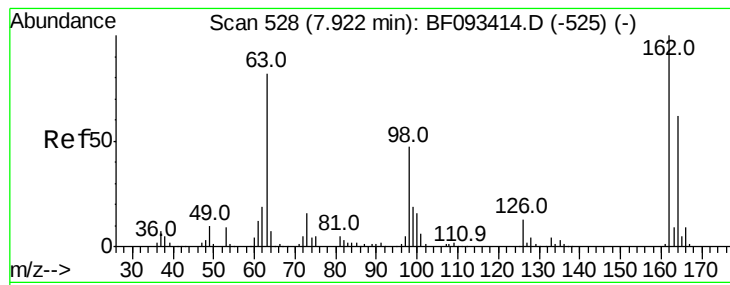
mohammad
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#28
bis(2-Chloroethoxy)methane
Concen: 40.64 ng
RT: 7.78 min Scan# 516
Delta R.T. -0.02 min
Lab File: BF093528.D
Acq: 10 Mar 2017 18:05

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.5	39.7
123	9.7	8.6	13.0





#29

2,4-Dichlorophenol

Concen: 46.93 ng

RT: 7.92 min Scan# 528

Delta R.T. 0.00 min

Lab File: BF093528.D

Acq: 10 Mar 2017 18:05

Instrument :

BNA_F

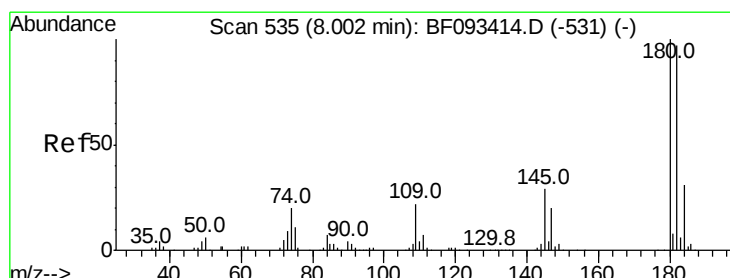
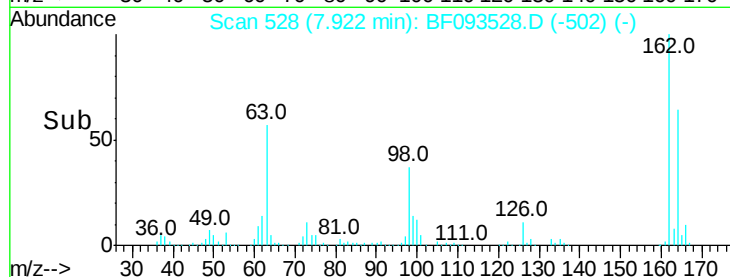
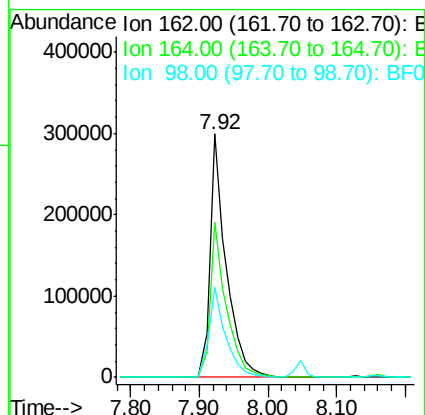
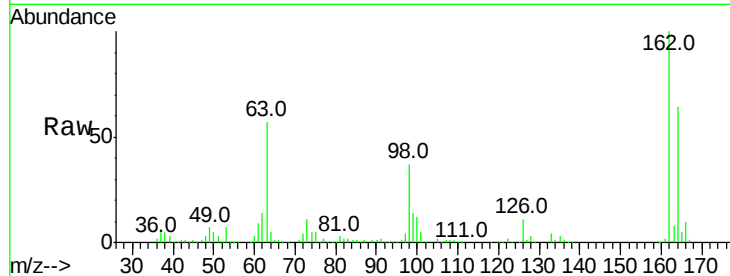
ClientSampleId :

D-38MS

Tot Ion:	162	Resp:	491204
Ion Ratio	Lower	Upper	
162	100		
164	63.5	46.8	86.8
98	37.0	9.1	49.1

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#30

1,2,4-Trichlorobenzene

Concen: 41.80 ng

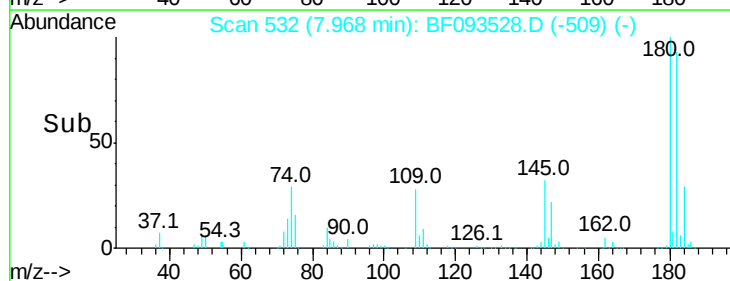
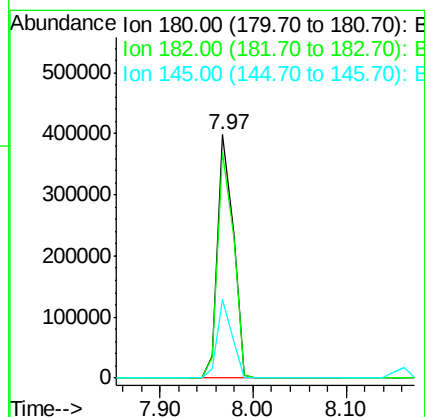
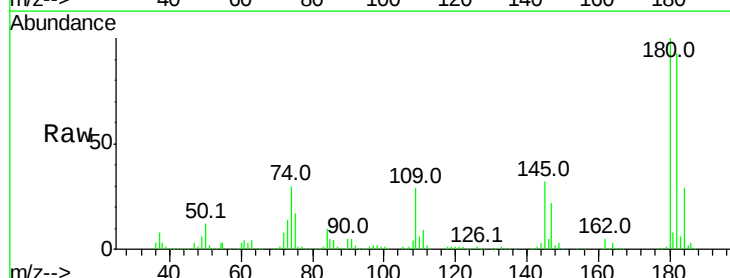
RT: 7.97 min Scan# 532

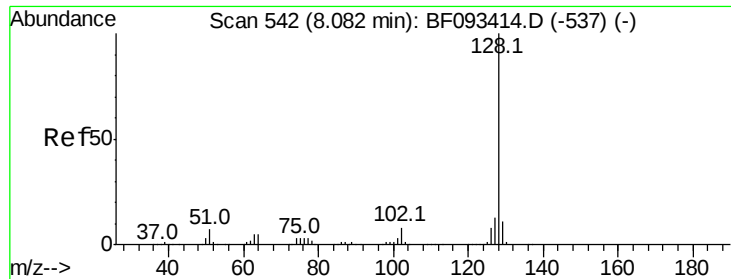
Delta R.T. -0.03 min

Lab File: BF093528.D

Acq: 10 Mar 2017 18:05

Tgt Ion:	180	Resp:	465260
Ion Ratio	Lower	Upper	
180	100		
182	92.9	78.2	117.4
145	32.4	21.6	32.4





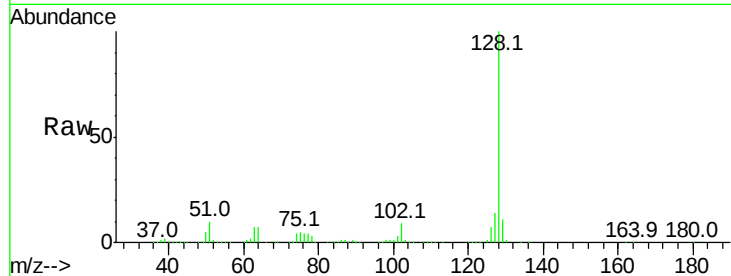
#31
Naphthalene
Concen: 41.26 ng
RT: 8.05 min Scan# 539
Delta R.T. -0.03 min
Lab File: BF093528.D
Acq: 10 Mar 2017 18:05

Instrument :
BNA_F
ClientSampleId :
D-38MS

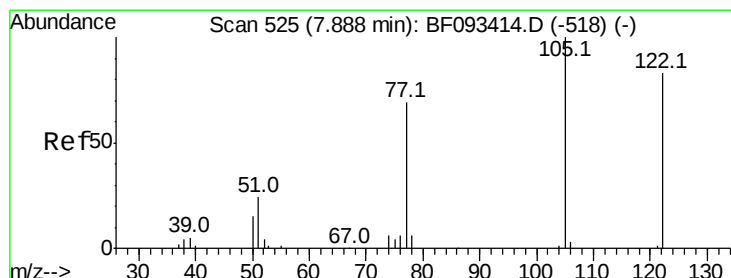
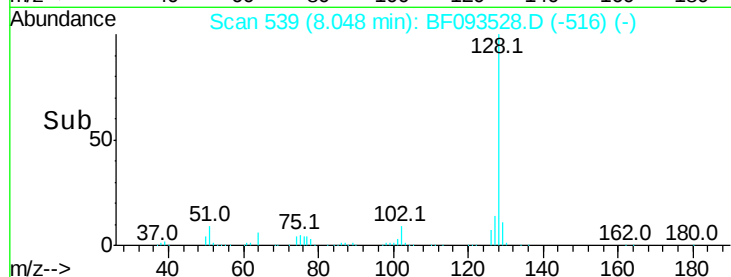
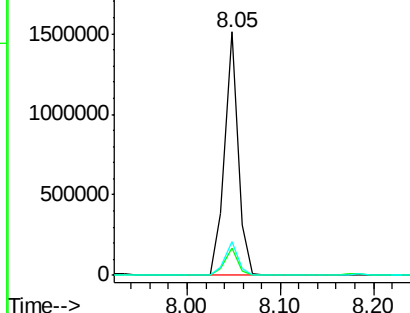
Tot Ion:128 Resp: 1530161
Ion Ratio Lower Upper
128 100
129 11.1 9.5 14.3
127 13.7 10.8 16.2

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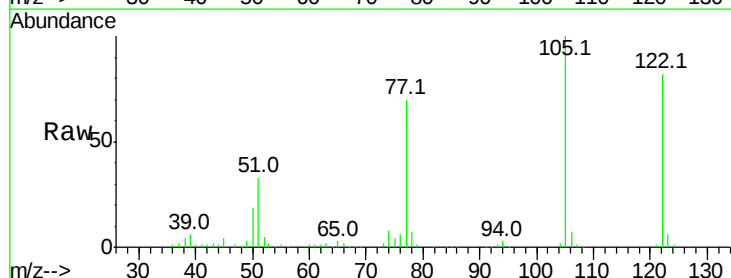


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

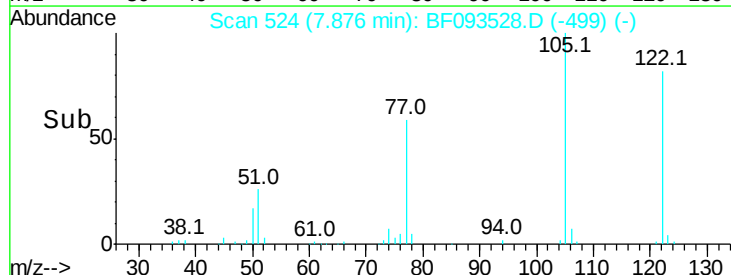
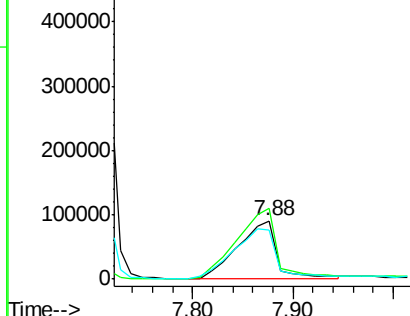


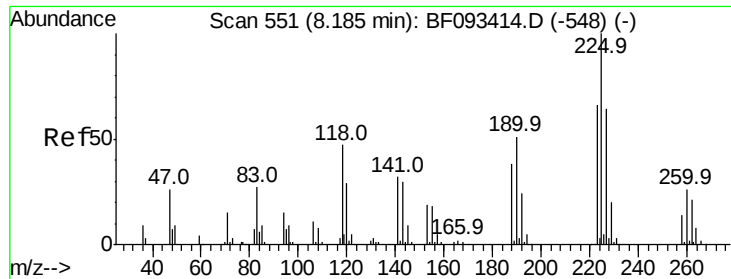
#32
Benzoic acid
Concen: 42.07 ng
RT: 7.88 min Scan# 524
Delta R.T. -0.01 min
Lab File: BF093528.D
Acq: 10 Mar 2017 18:05

Tgt Ion:122 Resp: 243220
Ion Ratio Lower Upper
122 100
105 121.8 107.2 147.2
77 85.0 74.5 114.5



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0





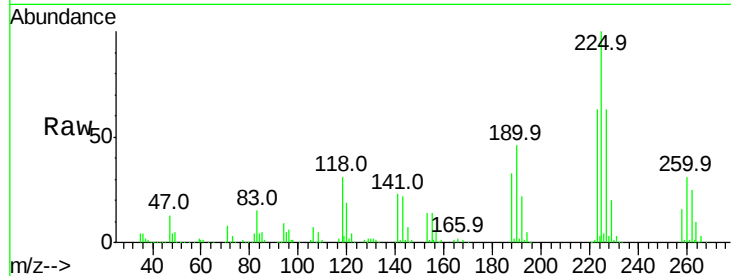
#34
Hexachlorobutadiene
Concen: 44.36 ng
RT: 8.16 min Scan# 549
Delta R.T. -0.02 min
Lab File: BF093528.D
Acq: 10 Mar 2017 18:05

Instrument :
BNA_F
ClientSampleId :
D-38MS

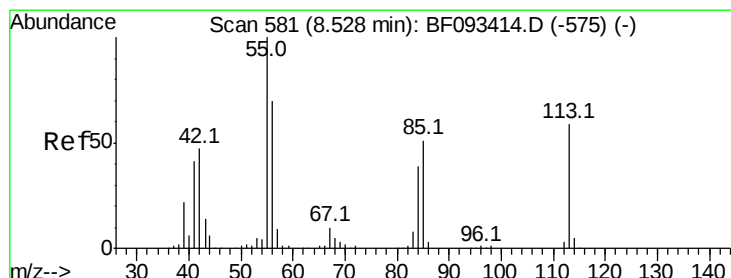
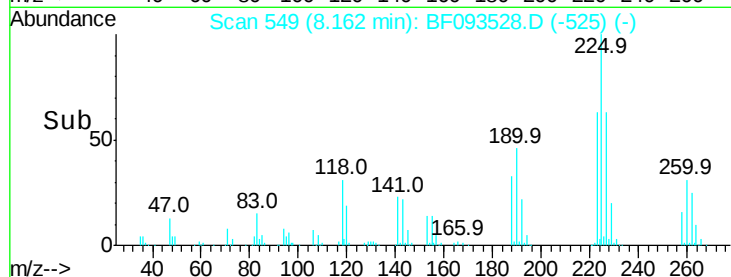
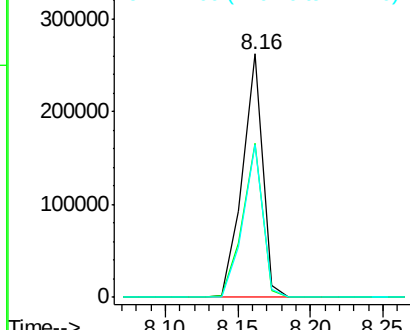
Tot Ion	Ratio	Resp	Lower	Upper
225	100	254352		
223	63.0		51.0	76.6
227	62.6		50.6	76.0

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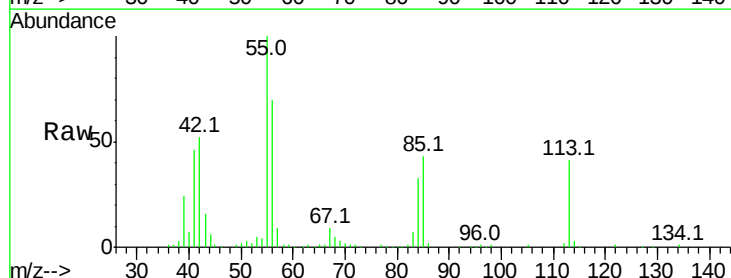


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

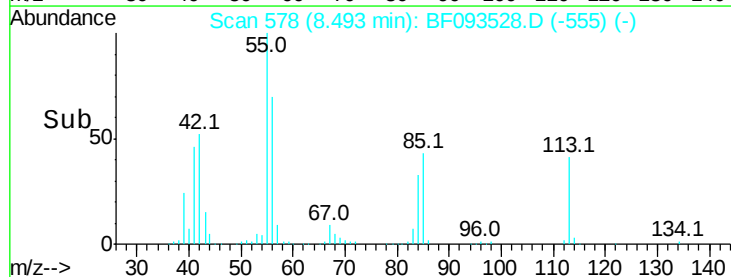
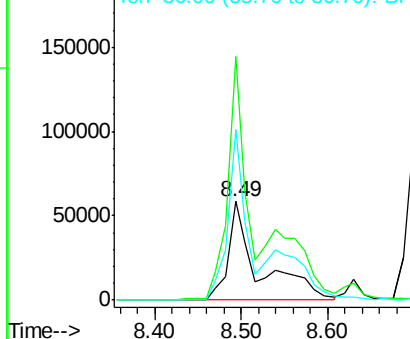


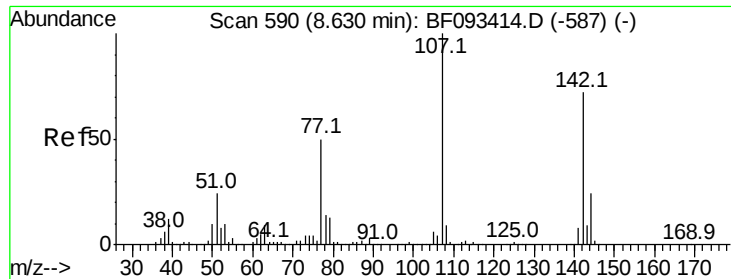
#35
Caprolactam
Concen: 40.38 ng m
RT: 8.49 min Scan# 578
Delta R.T. -0.03 min
Lab File: BF093528.D
Acq: 10 Mar 2017 18:05

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	144330		
55	246.7		119.2	159.2#
56	172.4		83.8	123.8#



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





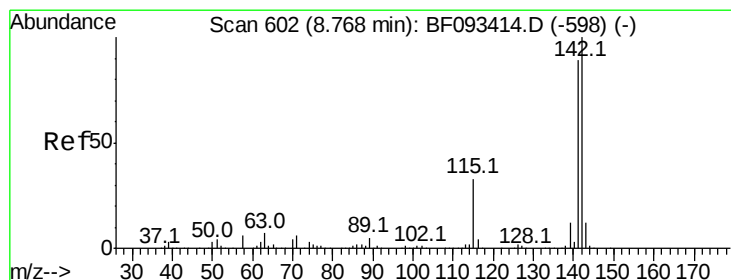
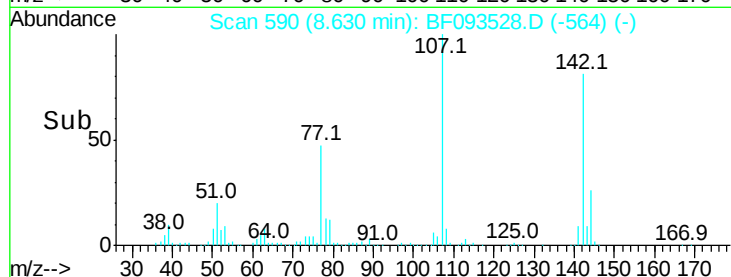
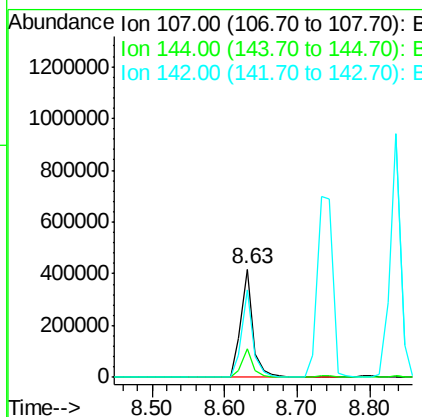
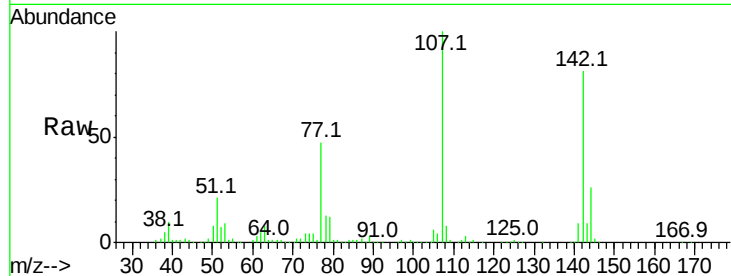
#36
4-Chloro-3-methylphenol
Concen: 43.96 ng
RT: 8.63 min Scan# 590
Delta R.T. 0.00 min
Lab File: BF093528.D
Acq: 10 Mar 2017 18:05

Instrument :
BNA_F
ClientSampled :
D-38MS

Tot Ion	Ratio	Lower	Upper
107	100		
144	26.2	19.3	28.9
142	81.3	59.0	88.6

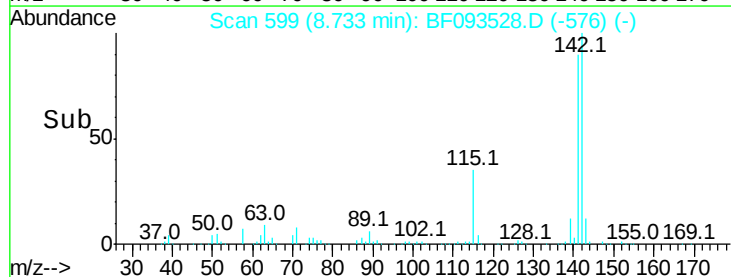
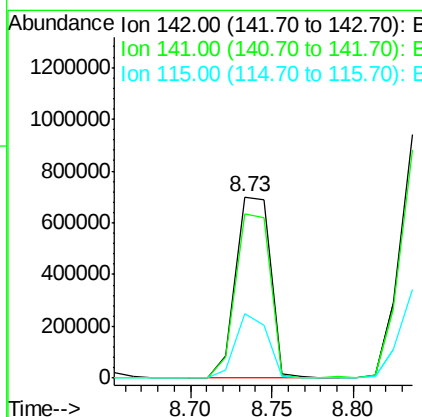
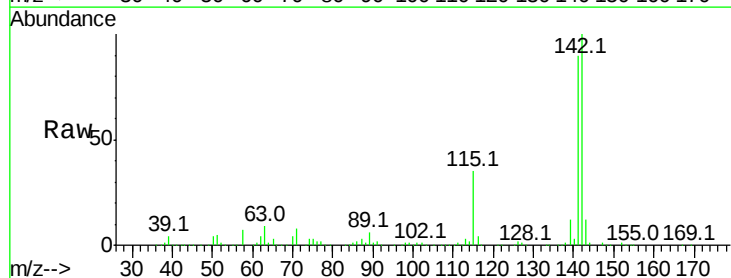
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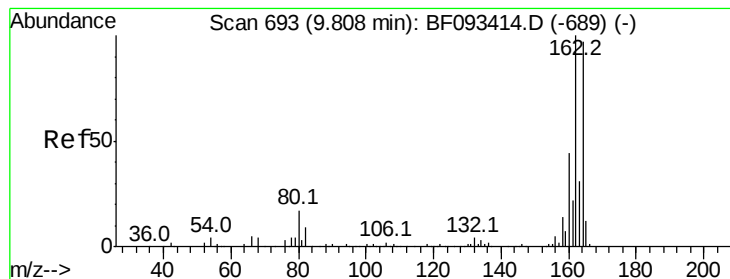
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3/13/2017 5:28:48 PM



#37
2-Methylnaphthalene
Concen: 43.69 ng
RT: 8.73 min Scan# 599
Delta R.T. -0.03 min
Lab File: BF093528.D
Acq: 10 Mar 2017 18:05

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.4	71.0	106.6
115	35.3	28.3	42.5





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.77 min Scan# 690

Delta R.T. -0.03 min

Lab File: BF093528.D

Acq: 10 Mar 2017 18:05

Instrument :

BNA_F

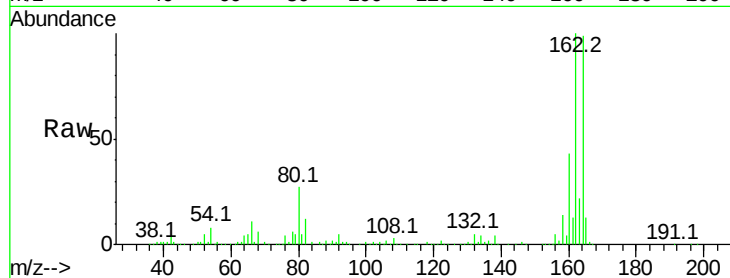
ClientSampleId :

D-38MS

Tot Ion:	164	Resp:	358190
Ion Ratio	Lower	Upper	
164	100		
162	101.2	80.2	120.2
160	43.3	36.9	55.3

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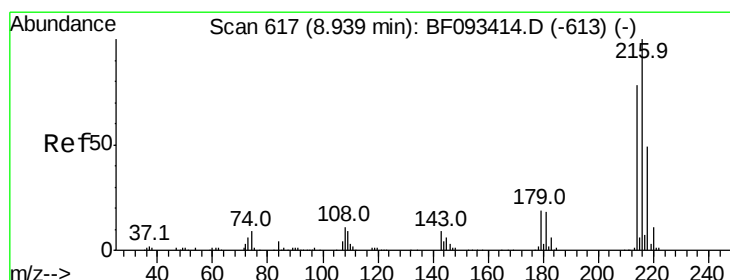
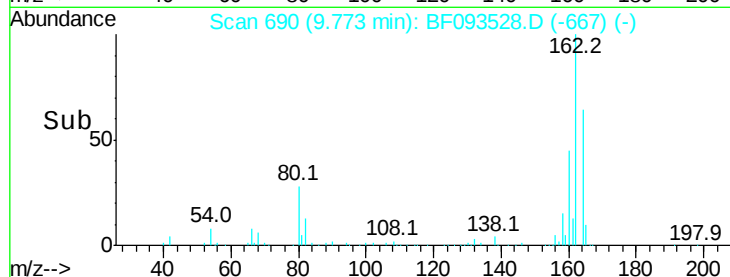
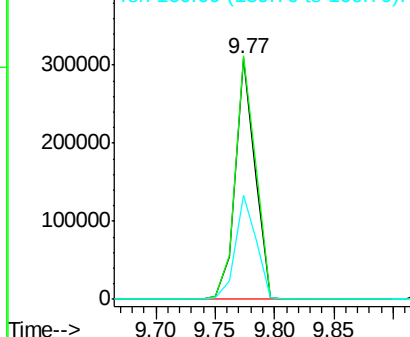


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#39

1,2,4,5-Tetrachlorobenzene

Concen: 46.24 ng

RT: 8.90 min Scan# 614

Delta R.T. -0.03 min

Lab File: BF093528.D

Acq: 10 Mar 2017 18:05

Tgt Ion:	216	Resp:	452281
Ion Ratio	Lower	Upper	
216	100		
214	78.7	63.4	95.0
179	22.0	17.4	26.2
108	21.6	15.6	23.4

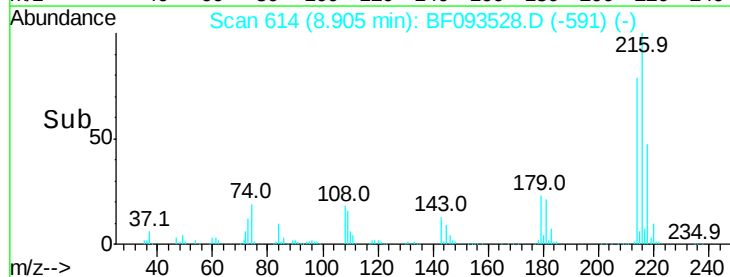
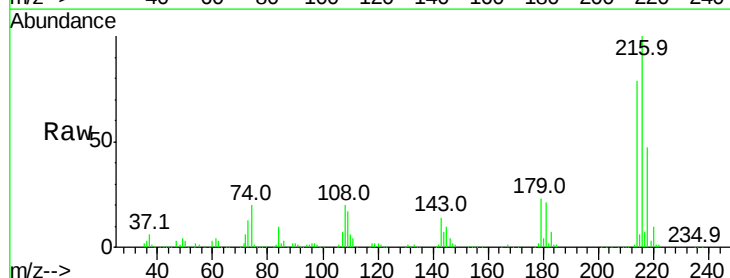
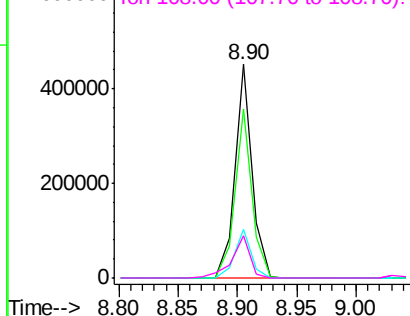
Abundance

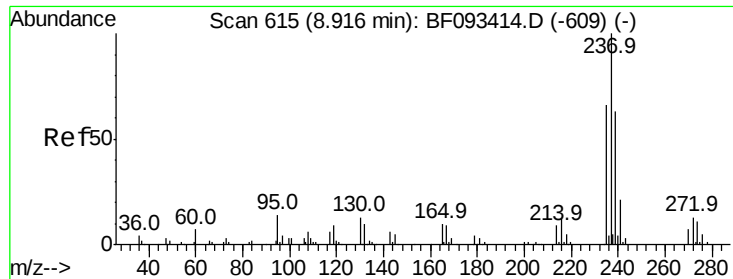
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





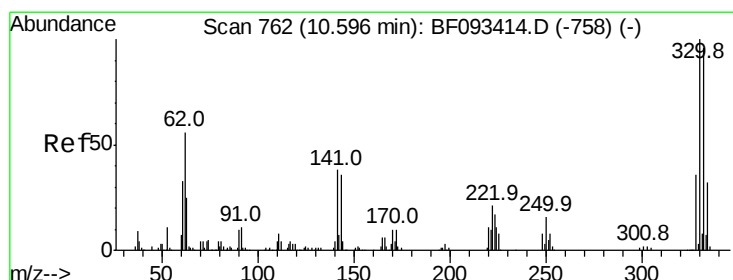
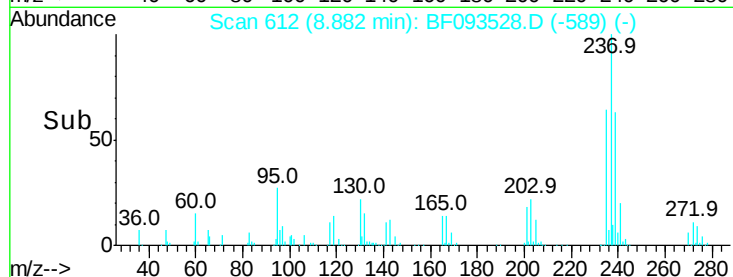
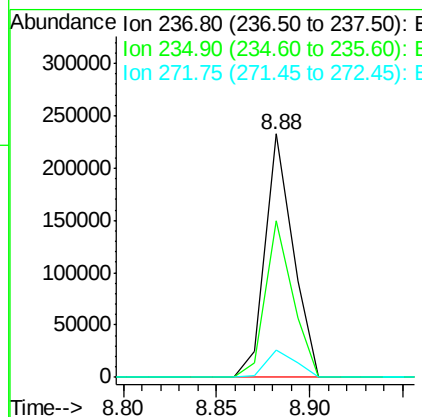
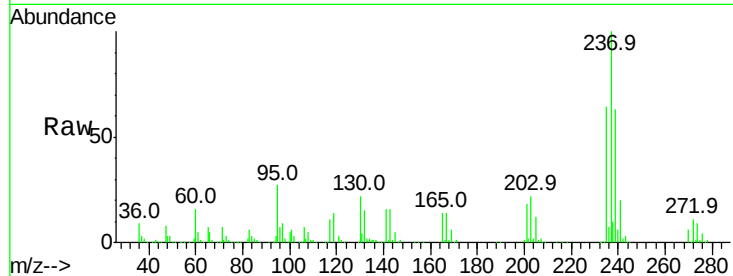
#40
Hexachlorocyclopentadiene
Concen: 94.65 ng
RT: 8.88 min Scan# 612
Delta R.T. -0.03 min
Lab File: BF093528.D
Acq: 10 Mar 2017 18:05

Instrument :
BNA_F
ClientSampleId :
D-38MS

Tot Ion	Ratio	Resp Lower	Resp Upper
237	100		
235	64.4	41.2	81.2
272	11.2	0.0	35.4

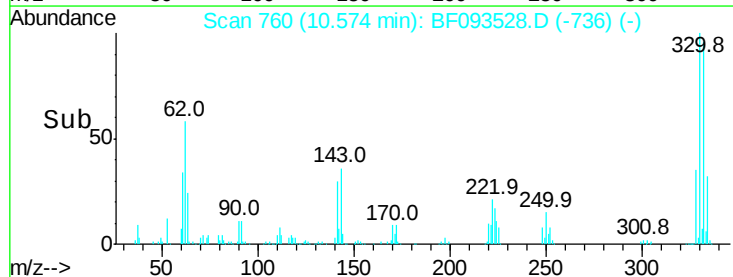
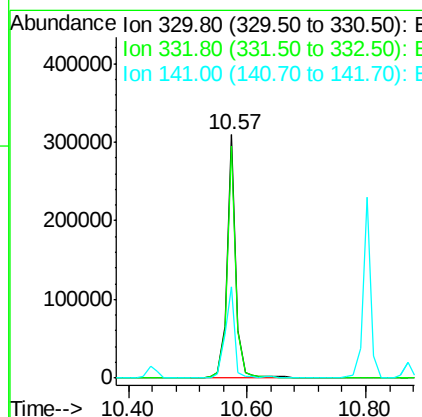
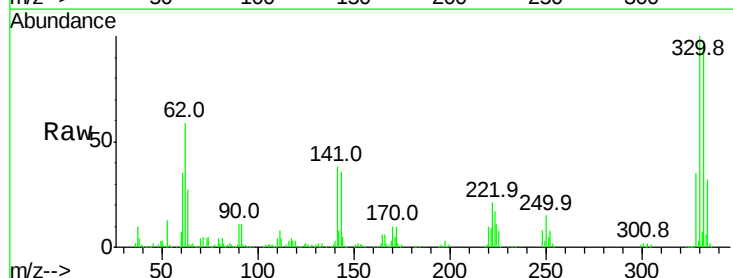
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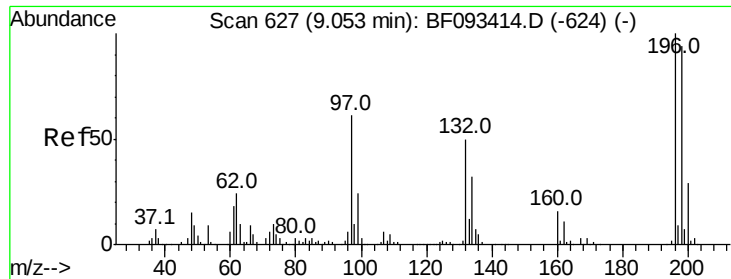
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#41
2,4,6-Tribromophenol
Concen: 138.68 ng
RT: 10.57 min Scan# 760
Delta R.T. -0.02 min
Lab File: BF093528.D
Acq: 10 Mar 2017 18:05

Tgt Ion	Ratio	Resp Lower	Resp Upper
330	100		
332	95.0	77.4	116.2
141	40.5	34.1	51.1





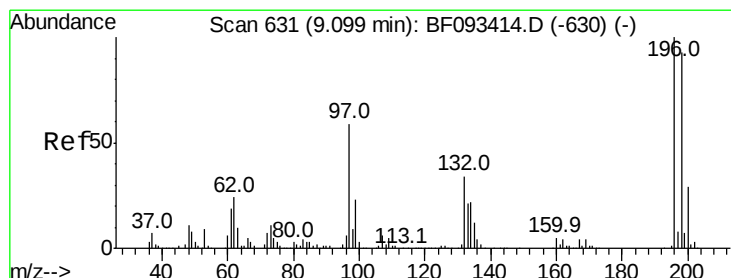
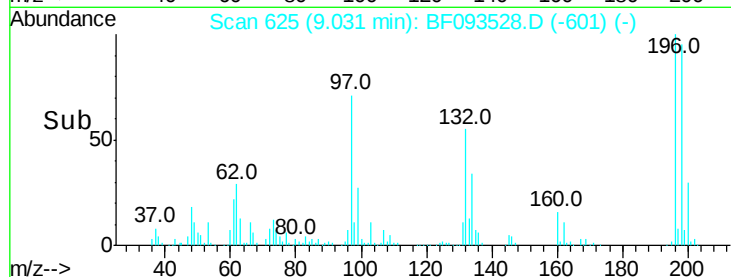
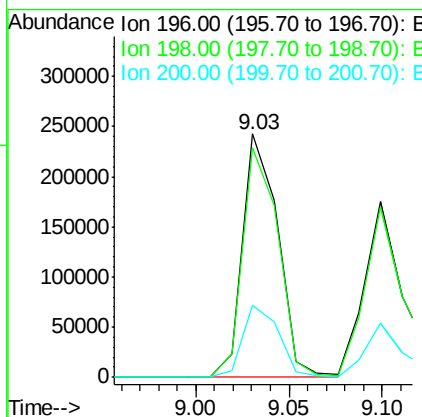
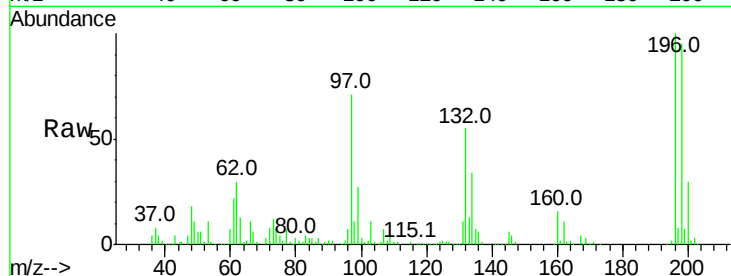
#42
 2,4,6-Trichlorophenol
 Concen: 52.06 ng
 RT: 9.03 min Scan# 625
 Delta R.T. -0.02 min
 Lab File: BF093528.D
 Acq: 10 Mar 2017 18:05

Instrument :
 BNA_F
 ClientSampleId :
 D-38MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
196	100		318146		
198	94.5	82.1	123.1		
200	29.6	27.0	40.4		

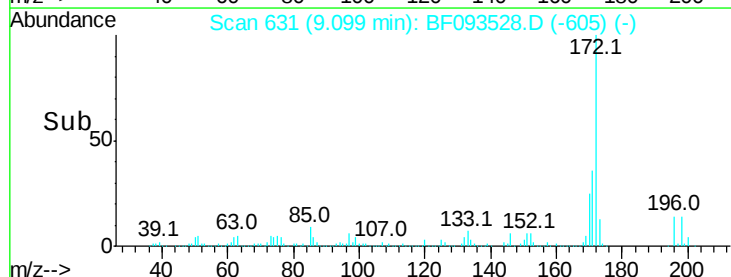
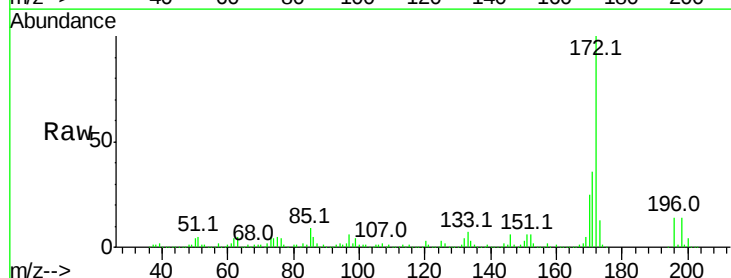
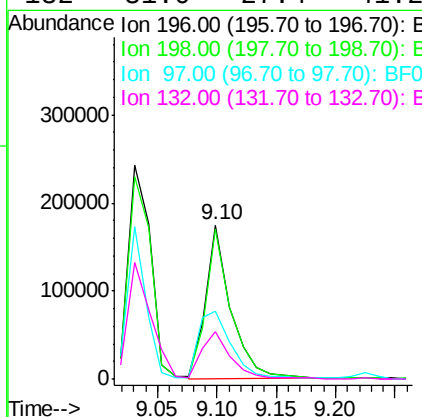
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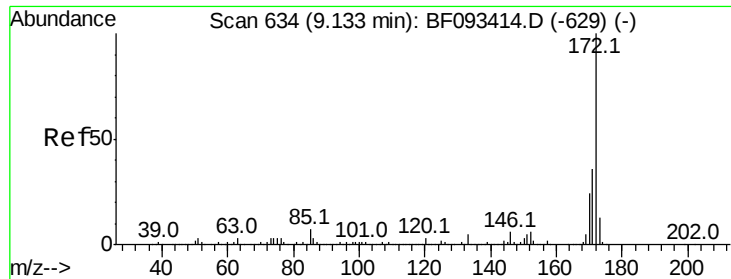
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#43
 2,4,5-Trichlorophenol
 Concen: 39.90 ng
 RT: 9.10 min Scan# 631
 Delta R.T. 0.00 min
 Lab File: BF093528.D
 Acq: 10 Mar 2017 18:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
196	100		261615		
198	96.9	79.4	119.2		
97	44.3	51.5	77.3#		
132	31.0	27.4	41.2		





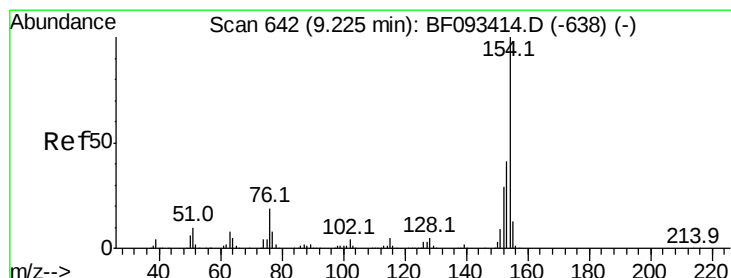
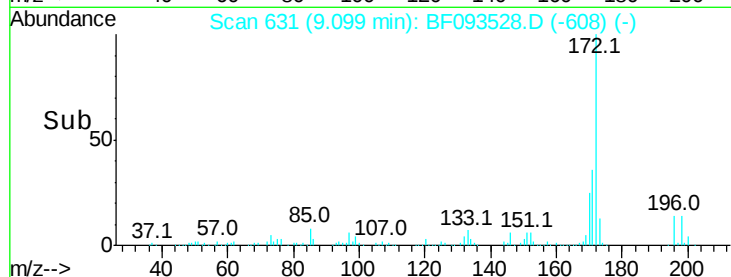
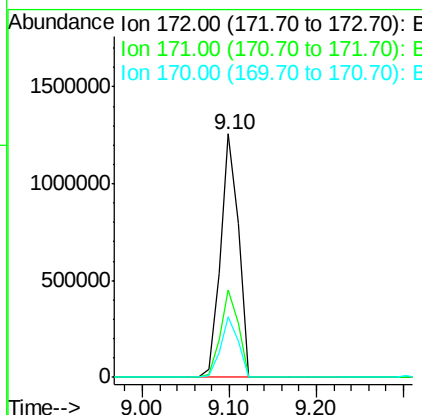
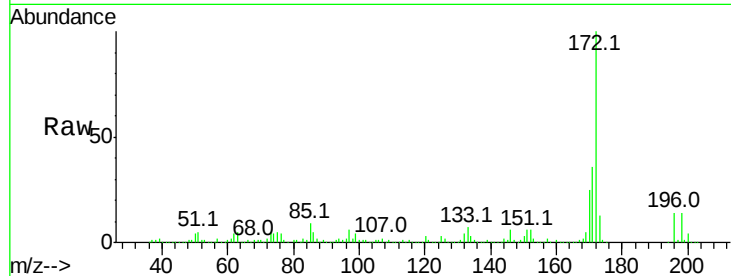
#44
2-Fluorobiphenyl
Concen: 94.05 ng
RT: 9.10 min Scan# 631
Delta R.T. -0.03 min
Lab File: BF093528.D
Acq: 10 Mar 2017 18:05

Instrument :
BNA_F
ClientSampleId :
D-38MS

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.4	44.0
170	24.8	20.2	30.4

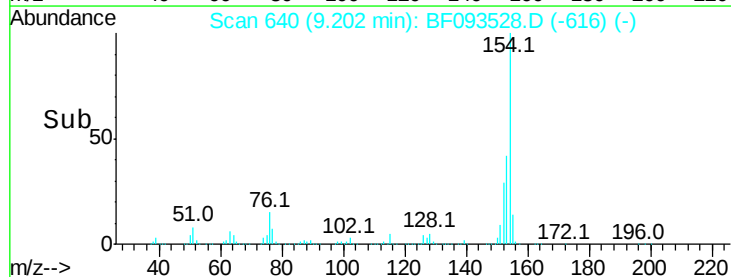
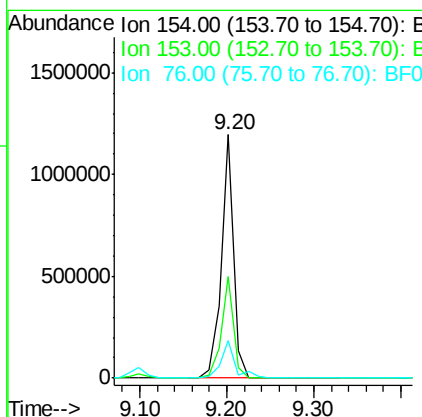
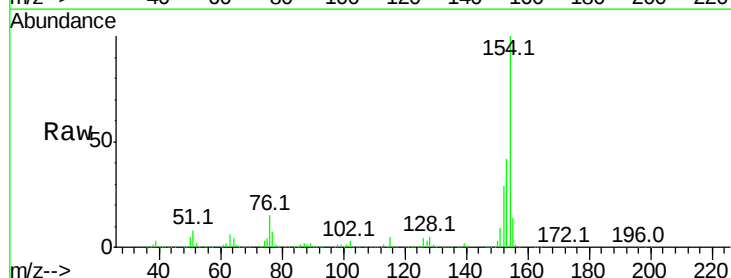
Manual Integrations
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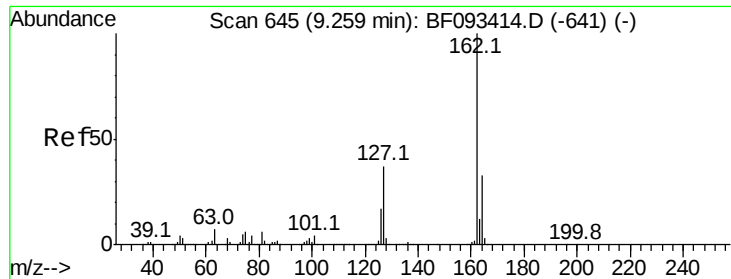
mohammad
3/13/2017 5:28:48 PM



#45
1,1'-Biphenyl
Concen: 45.58 ng
RT: 9.20 min Scan# 640
Delta R.T. -0.02 min
Lab File: BF093528.D
Acq: 10 Mar 2017 18:05

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.6	20.9	60.9
76	15.4	0.0	30.5





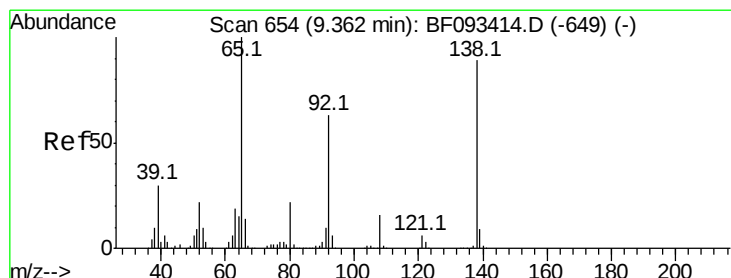
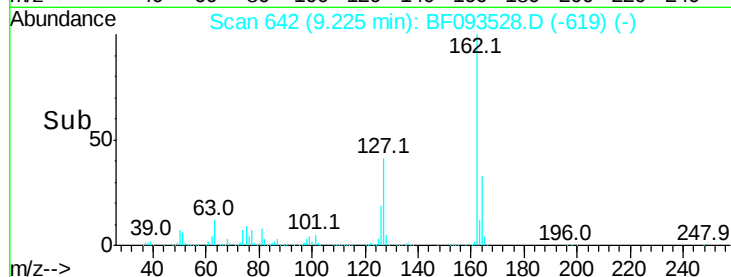
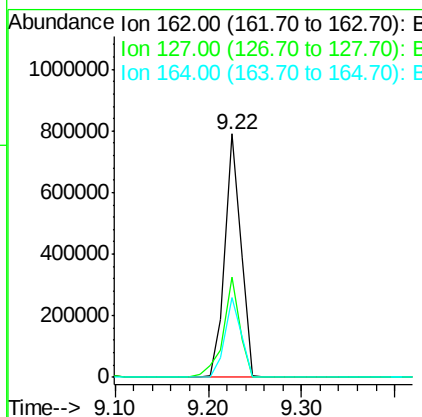
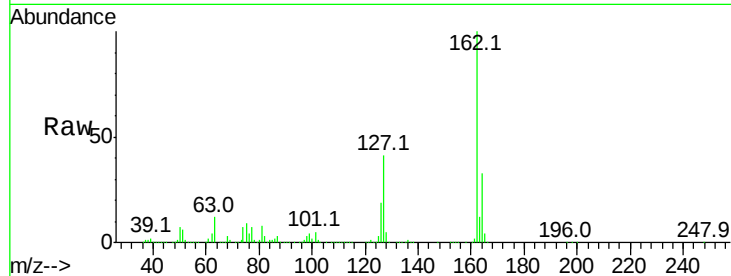
#46
2-Chloronaphthalene
Concen: 47.66 ng
RT: 9.22 min Scan# 642
Delta R.T. -0.03 min
Lab File: BF093528.D
Acq: 10 Mar 2017 18:05

Instrument :
BNA_F
ClientSampleId :
D-38MS

Tot Ion	Ratio	Lower	Upper
162	100		
127	41.4	30.7	46.1
164	33.0	27.6	41.4

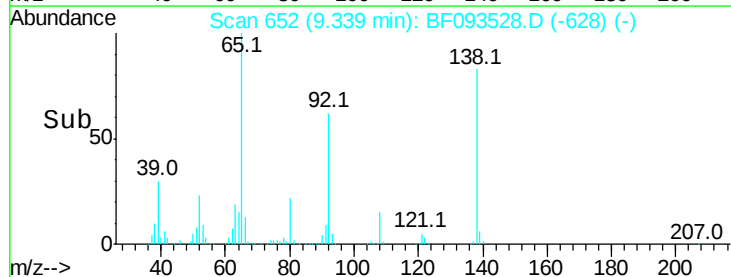
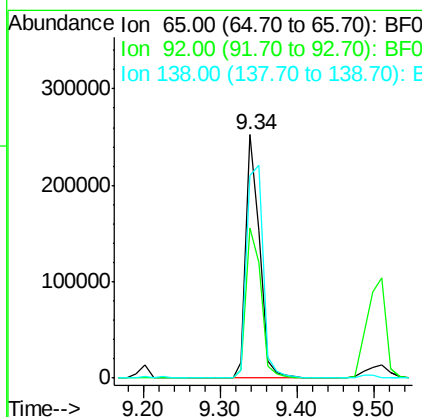
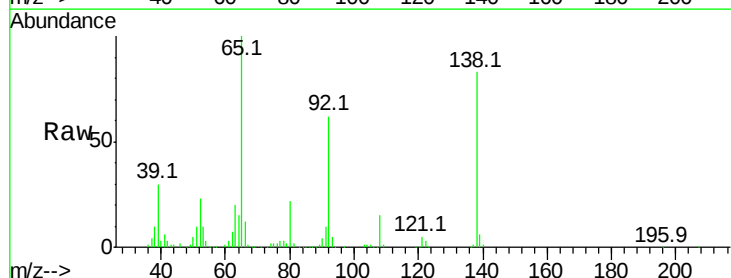
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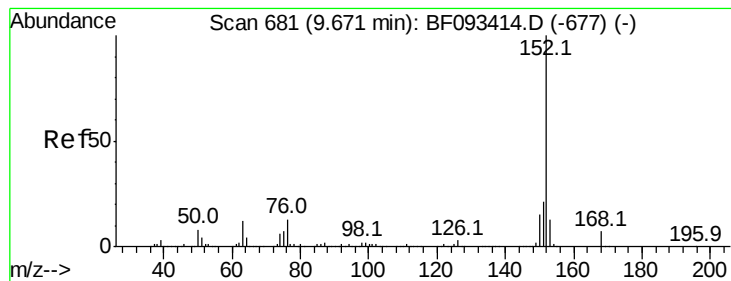
mohammad
3/13/2017 5:28:48 PM



#47
2-Nitroaniline
Concen: 44.41 ng
RT: 9.34 min Scan# 652
Delta R.T. -0.02 min
Lab File: BF093528.D
Acq: 10 Mar 2017 18:05

Tgt Ion	Ratio	Lower	Upper
65	100		
92	61.9	53.9	80.9
138	83.2	76.8	115.2





#48

Acenaphthylene

Concen: 45.59 ng

RT: 9.64 min Scan# 678

Delta R.T. -0.03 min

Lab File: BF093528.D

Acq: 10 Mar 2017 18:05

Instrument :

BNA_F

ClientSampleId :

D-38MS

Tot Ion:152 Resp: 1501739

Ion Ratio Lower Upper

152 100

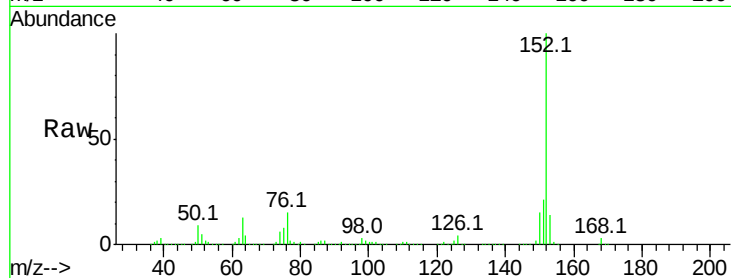
151 20.8 16.9 25.3

153 13.8 11.4 17.2

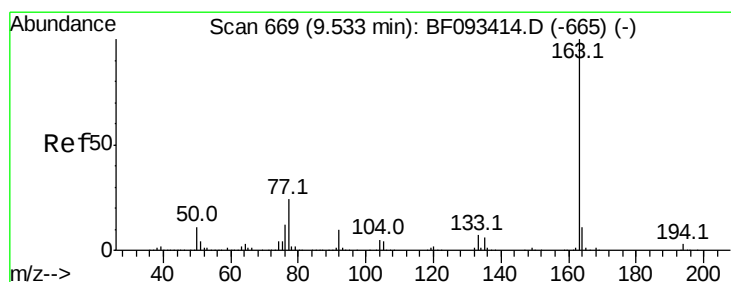
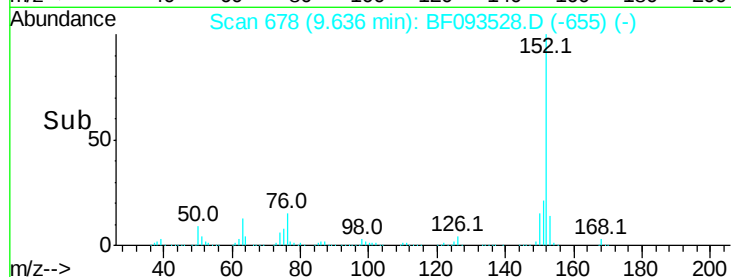
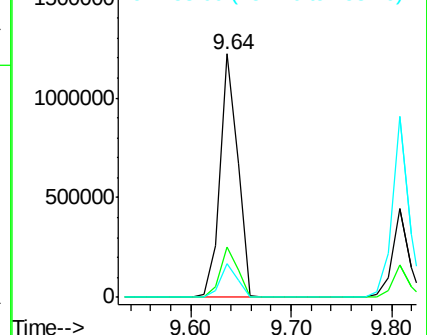
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 50.10 ng

RT: 9.51 min Scan# 667

Delta R.T. -0.02 min

Lab File: BF093528.D

Acq: 10 Mar 2017 18:05

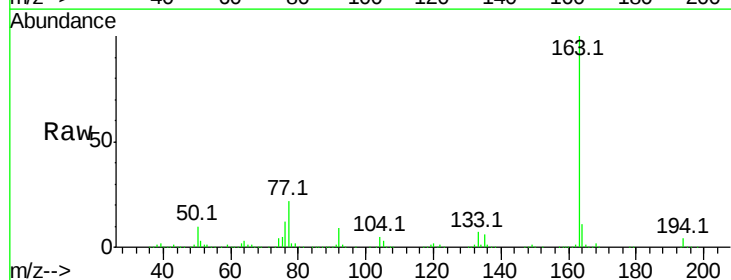
Tgt Ion:163 Resp: 1189696

Ion Ratio Lower Upper

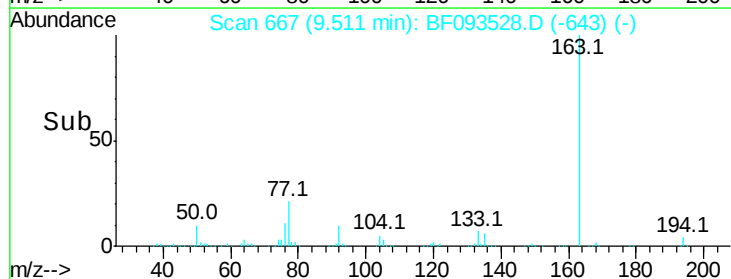
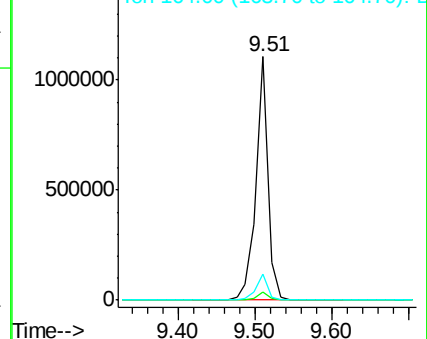
163 100

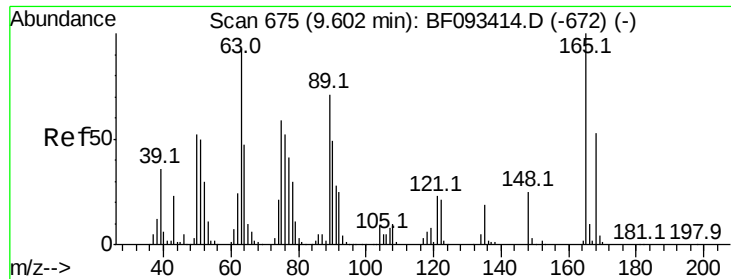
194 3.5 3.0 4.4

164 10.5 8.0 12.0



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





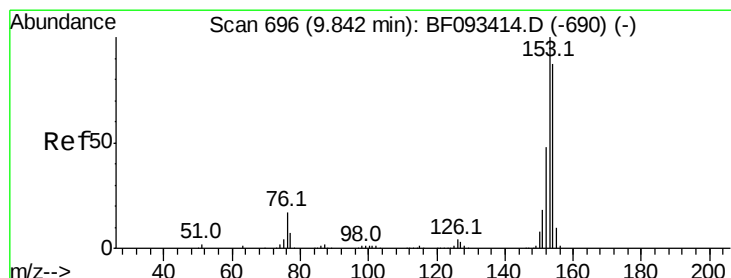
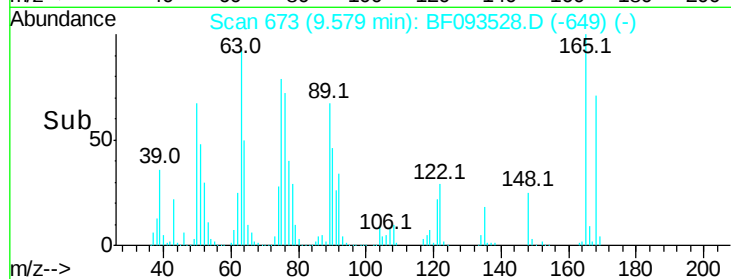
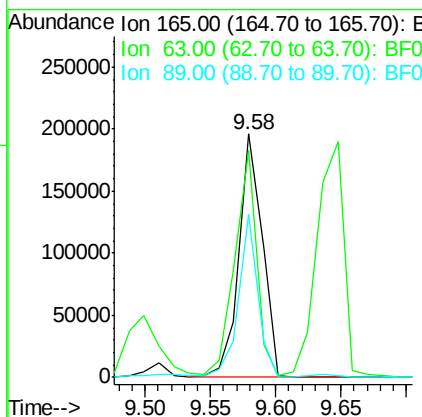
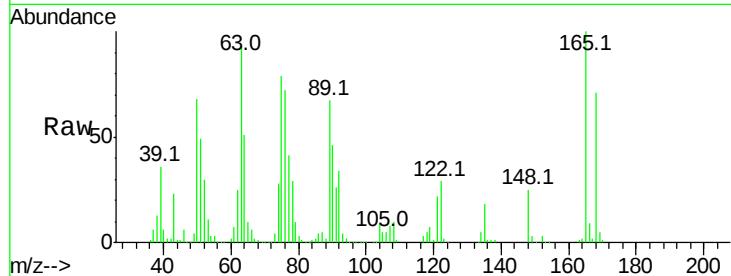
#50
2,6-Dinitrotoluene
Concen: 46.86 ng
RT: 9.58 min Scan# 673
Delta R.T. -0.02 min
Lab File: BF093528.D
Acq: 10 Mar 2017 18:05

Instrument :
BNA_F
ClientSampleId :
D-38MS

Tot Ion	Ratio	Resp	Lower	Upper
165	100	244182		
63	93.2	36.2	54.4#	
89	66.8	40.2	60.4#	

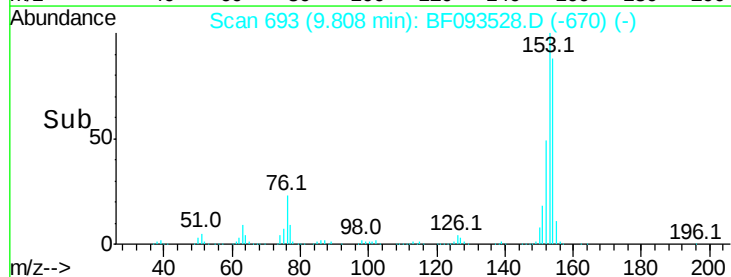
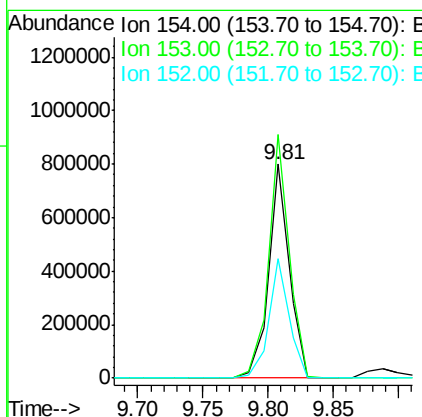
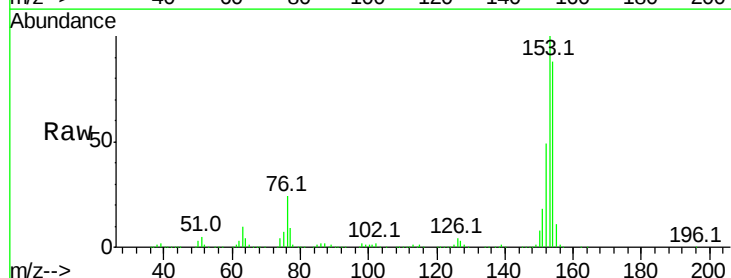
Manual Integrations
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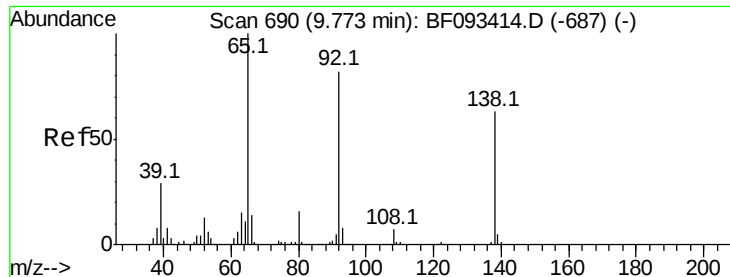
mohammad
3/13/2017 5:28:48 PM



#51
Acenaphthene
Concen: 45.61 ng
RT: 9.81 min Scan# 693
Delta R.T. -0.03 min
Lab File: BF093528.D
Acq: 10 Mar 2017 18:05

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	888438		
153	113.7	88.6	133.0	
152	55.7	41.6	62.4	





#52

3-Nitroaniline

Concen: 4.15 ng

RT: 9.77 min Scan# 690

Delta R.T. 0.00 min

Lab File: BF093528.D

Acq: 10 Mar 2017 18:05

Instrument :

BNA_F

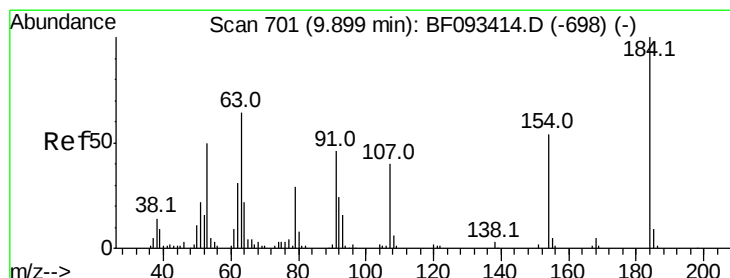
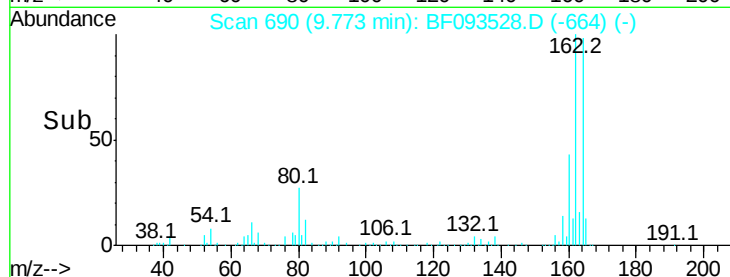
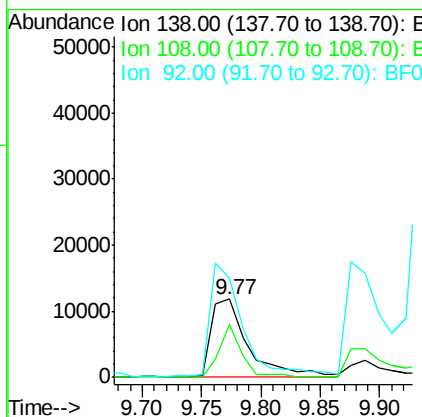
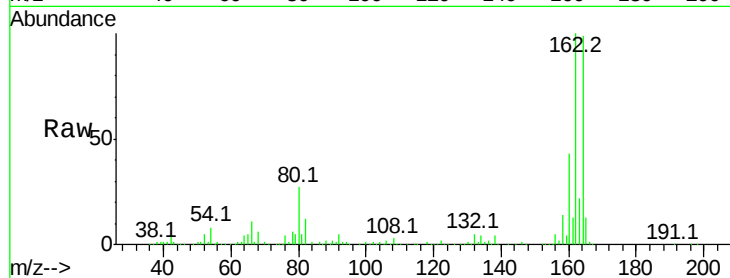
ClientSampled :

D-38MS

Tot Ion	Ratio	Lower	Upper
138	100		
108	67.8	8.5	12.7#
92	126.7	97.8	146.8

Manual Integrations
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#53

2,4-Dinitrophenol

Concen: 75.57 ng

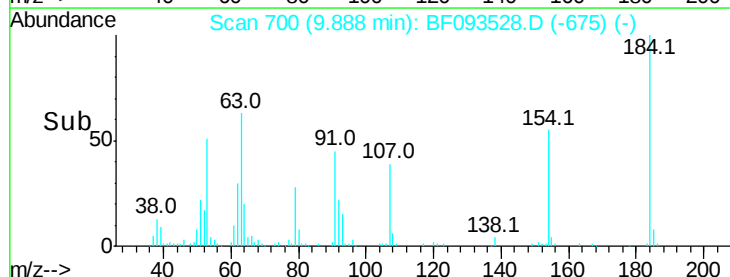
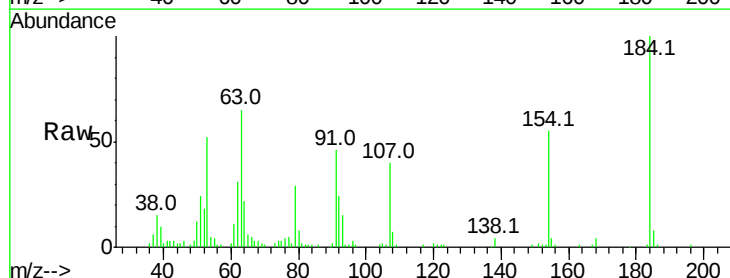
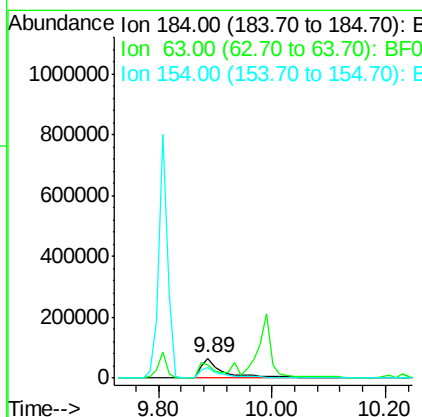
RT: 9.89 min Scan# 700

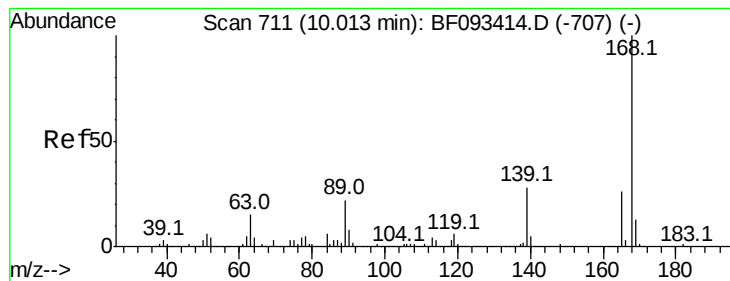
Delta R.T. -0.01 min

Lab File: BF093528.D

Acq: 10 Mar 2017 18:05

Tgt Ion	Ratio	Lower	Upper
184	100		
63	65.4	28.4	42.6#
154	54.9	44.3	66.5





#54

Dibenzofuran

Concen: 53.11 ng

RT: 9.98 min Scan# 708

Delta R.T. -0.03 min

Lab File: BF093528.D

Acq: 10 Mar 2017 18:05

Instrument :

BNA_F

ClientSampleId :

D-38MS

Tot Ion:168 Resp: 1294842

Ion Ratio Lower Upper

168 100

139 48.3 32.6 49.0

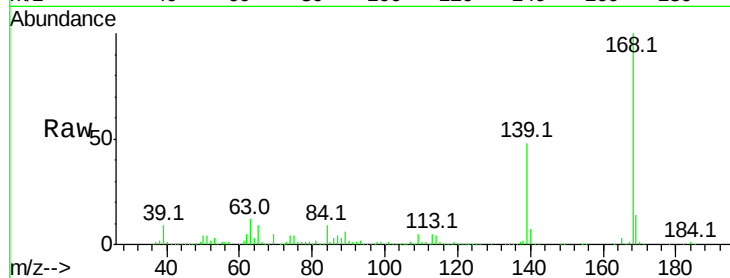
169 14.0 11.3 16.9

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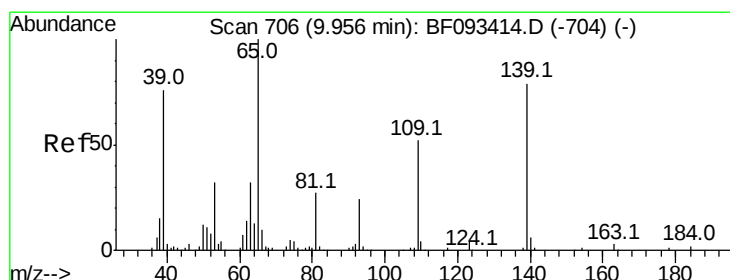
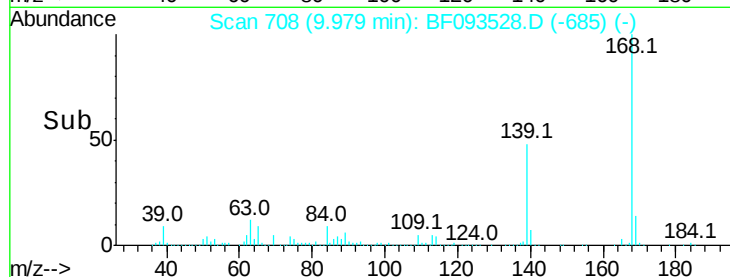
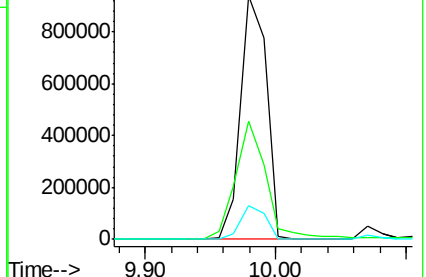
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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#55

4-Nitrophenol

Concen: 53.39 ng m

RT: 9.97 min Scan# 707

Delta R.T. 0.01 min

Lab File: BF093528.D

Acq: 10 Mar 2017 18:05

Tgt Ion:139 Resp: 162335

Ion Ratio Lower Upper

139 100

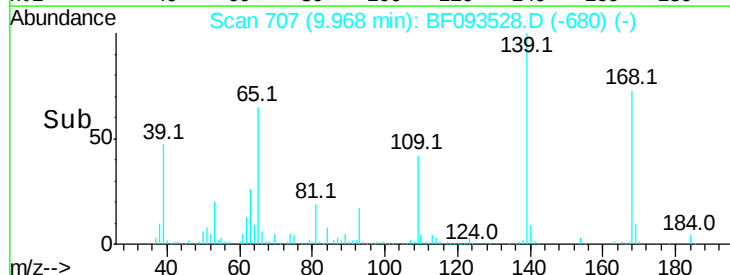
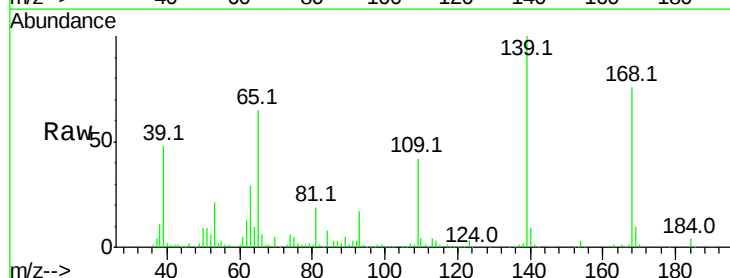
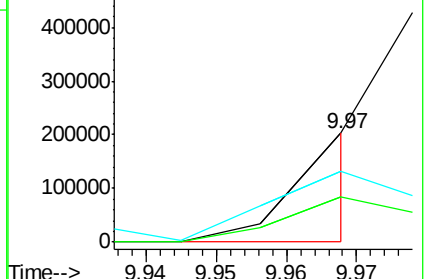
109 42.0 52.2 92.2#

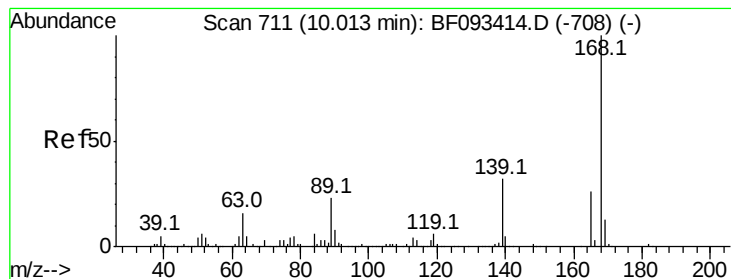
65 65.2 85.8 125.8#

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





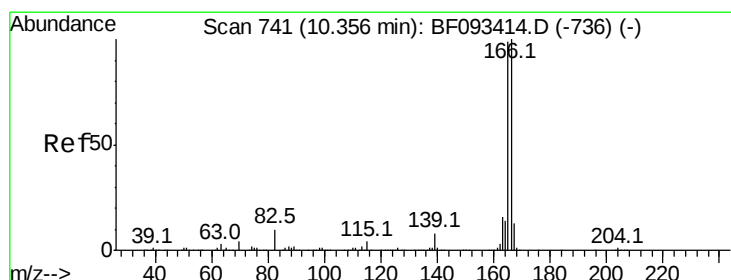
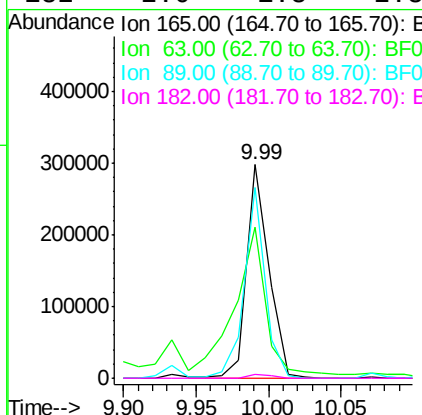
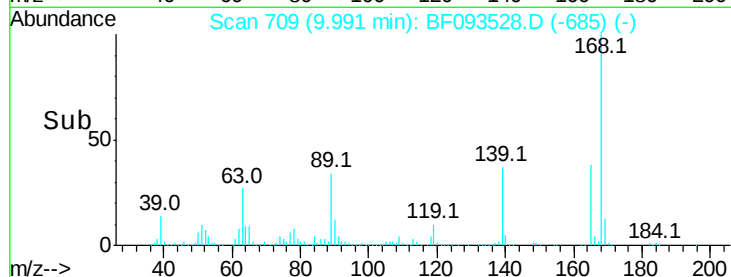
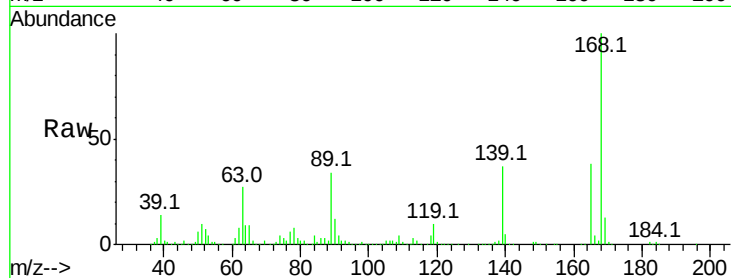
#56
2,4-Dinitrotoluene
Concen: 49.38 ng
RT: 9.99 min Scan# 709
Delta R.T. -0.02 min
Lab File: BF093528.D
Acq: 10 Mar 2017 18:05

Instrument :
BNA_F
ClientSampleId :
D-38MS

Tot Ion	Ratio	Resp	Lower	Upper
165	100	316114		
63	70.6	40.2	60.4#	
89	89.4	62.5	93.7	
182	2.0	1.8	2.8	

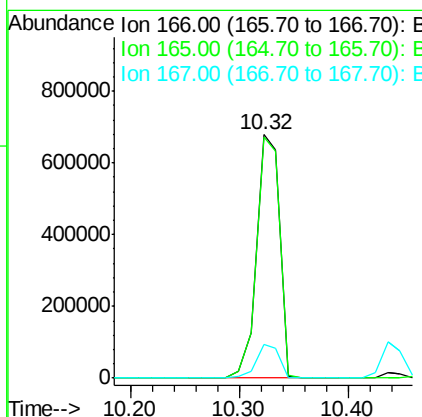
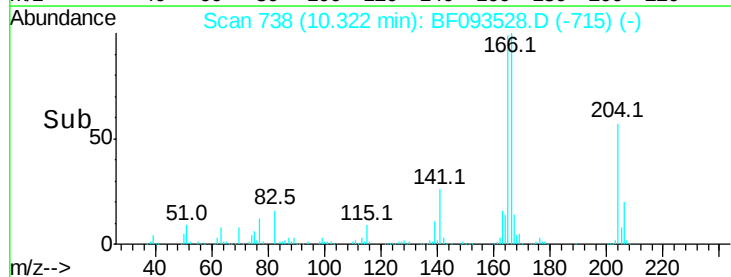
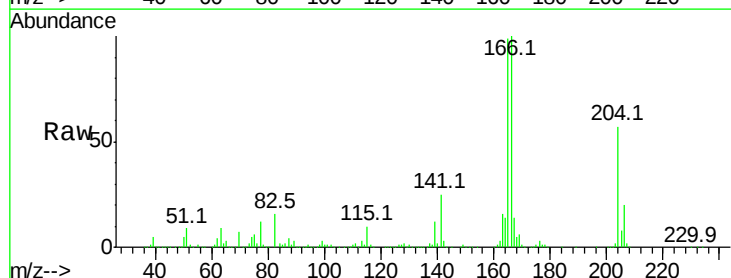
Manual Integrations
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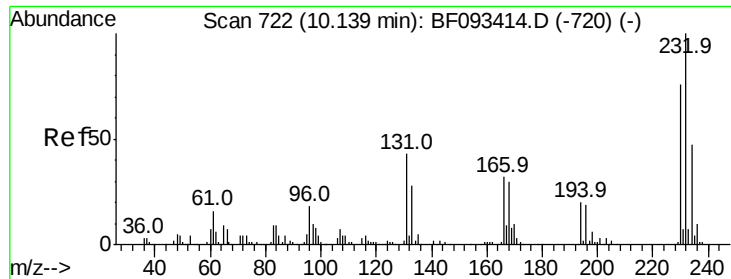
mohammad
3/13/2017 5:28:48 PM



#57
Fluorene
Concen: 48.94 ng
RT: 10.32 min Scan# 738
Delta R.T. -0.03 min
Lab File: BF093528.D
Acq: 10 Mar 2017 18:05

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	1010993		
165	98.9	77.8	116.8	
167	14.0	10.8	16.2	





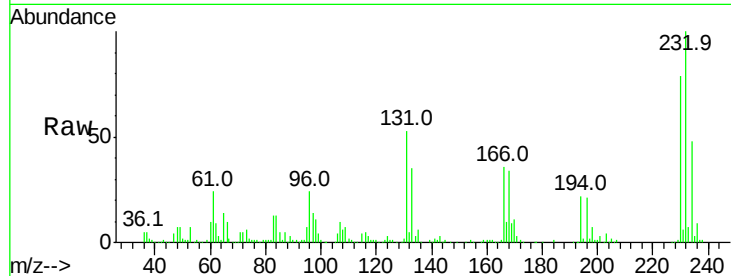
#58
 2,3,4,6-Tetrachlorophenol
 Concen: 55.67 ng
 RT: 10.12 min Scan# 720
 Delta R.T. -0.02 min
 Lab File: BF093528.D
 Acq: 10 Mar 2017 18:05

Instrument :
 BNA_F
 ClientSampleId :
 D-38MS

Tot Ion	Ratio	Lower	Upper
232	100		
131	46.3	40.1	60.1
130	2.4	1.8	2.8
166	31.0	26.6	39.8

Manual Integrations
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 3/13/2017 5:28:48 PM



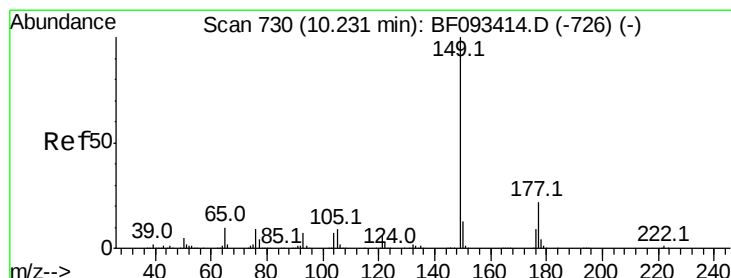
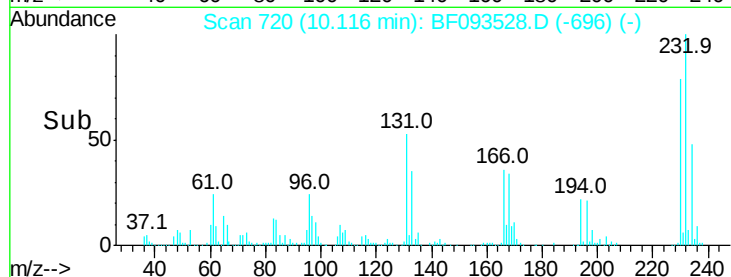
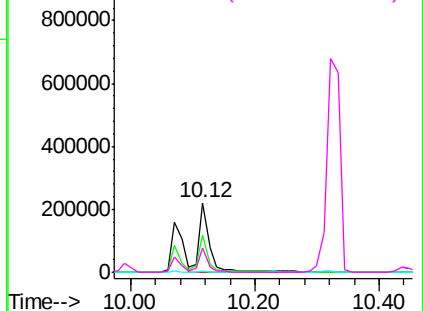
Abundance

Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

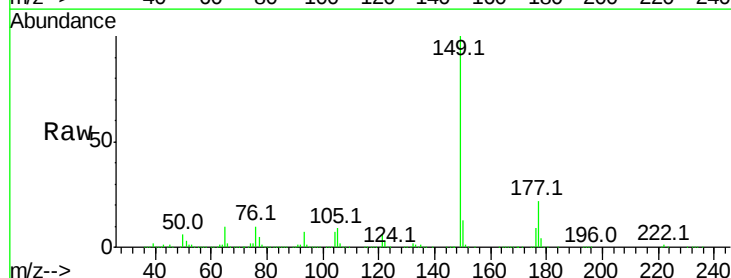
Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#59
 Diethylphthalate
 Concen: 52.34 ng
 RT: 10.21 min Scan# 728
 Delta R.T. -0.02 min
 Lab File: BF093528.D
 Acq: 10 Mar 2017 18:05

Tgt Ion	Ratio	Lower	Upper
149	100		
177	22.1	16.6	25.0
150	12.7	10.4	15.6

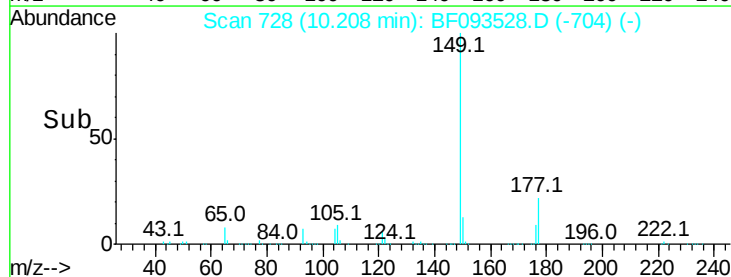
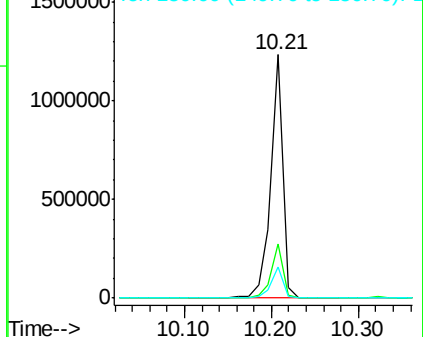


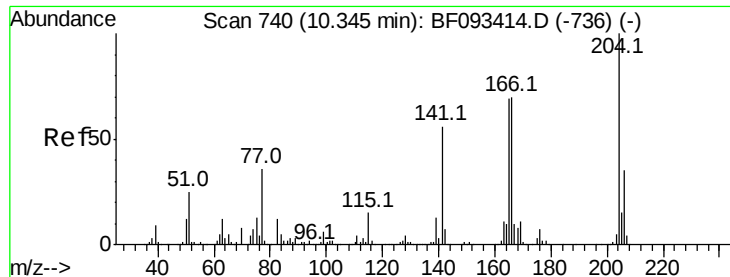
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





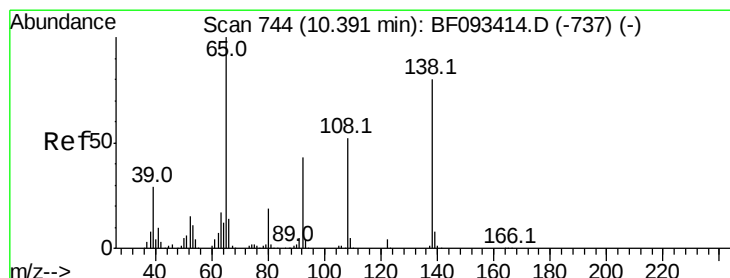
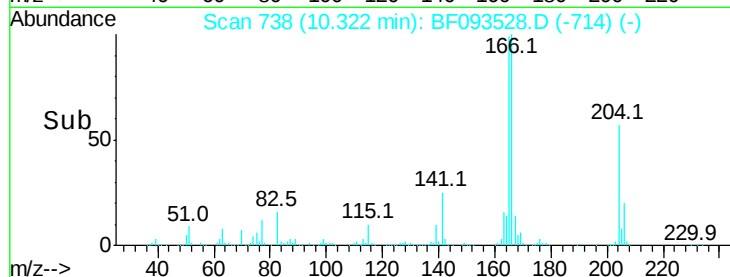
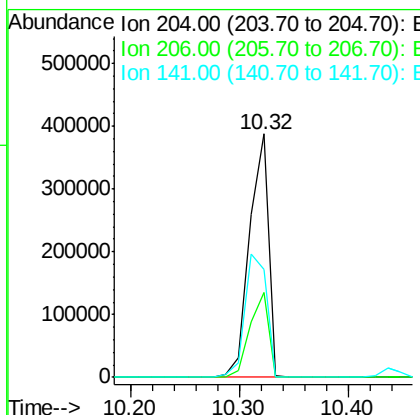
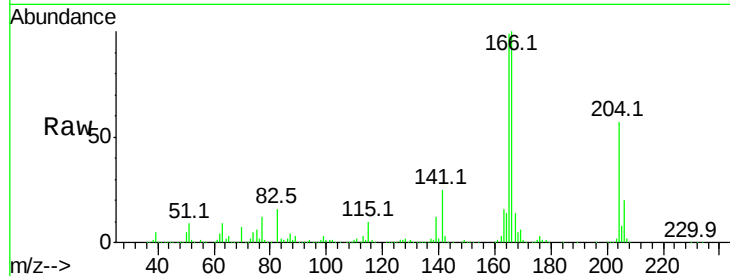
#60
4-Chlorophenyl-phenylether
Concen: 51.11 ng
RT: 10.32 min Scan# 738
Delta R.T. -0.02 min
Lab File: BF093528.D
Acq: 10 Mar 2017 18:05

Instrument :
BNA_F
ClientSampled :
D-38MS

Tot Ion	Ratio	Lower	Upper
204	100		
206	35.1	25.8	38.6
141	44.5	59.4	89.0

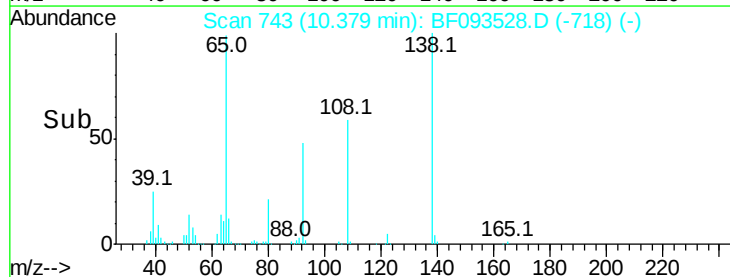
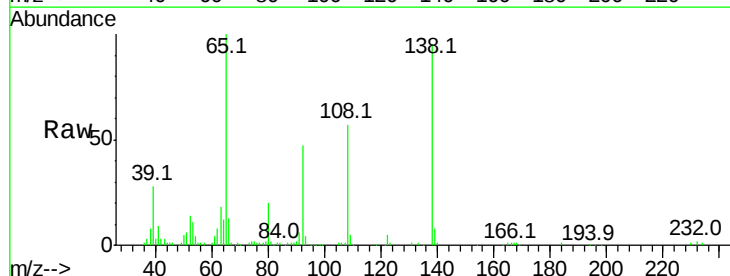
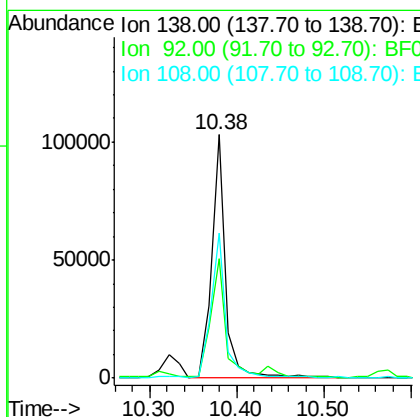
Manual Integrations
APPROVED

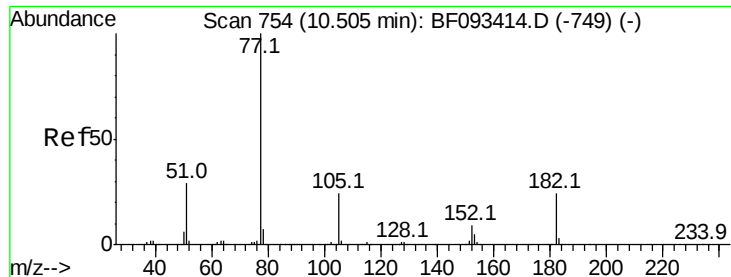
mohammad
3/13/2017 5:28:48 PM



#61
4-Nitroaniline
Concen: 18.19 ng
RT: 10.38 min Scan# 743
Delta R.T. -0.01 min
Lab File: BF093528.D
Acq: 10 Mar 2017 18:05

Tgt Ion	Ratio	Lower	Upper
138	100		
92	48.9	31.7	71.7
108	59.8	52.6	92.6





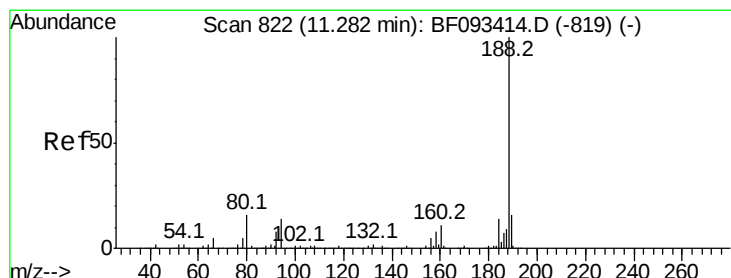
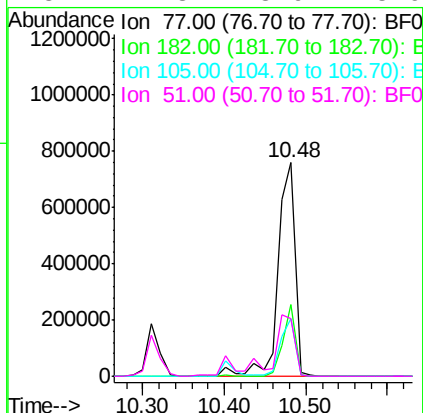
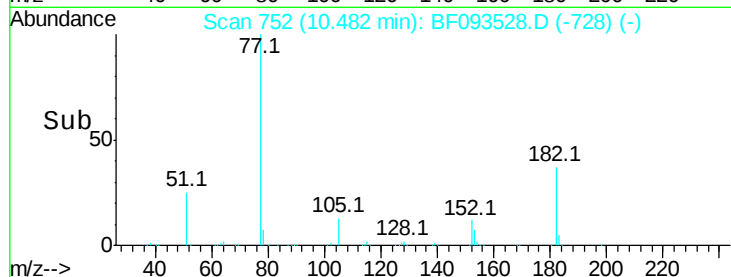
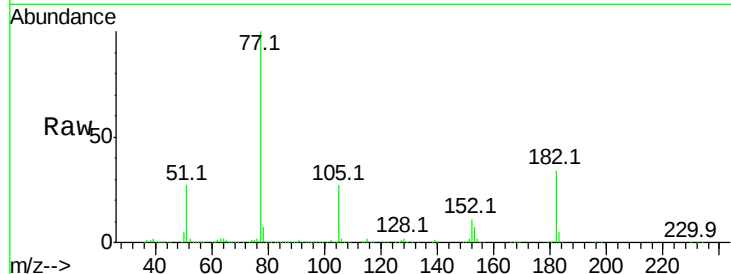
#62
Azobenzene
Concen: 42.58 ng
RT: 10.48 min Scan# 752
Delta R.T. -0.02 min
Lab File: BF093528.D
Acq: 10 Mar 2017 18:05

Instrument :
BNA_F
ClientSampleId :
D-38MS

Tot Ion	Ratio	Lower	Upper
77	100		
182	33.8	0.0	39.3
105	27.2	2.3	42.3
51	27.3	8.9	48.9

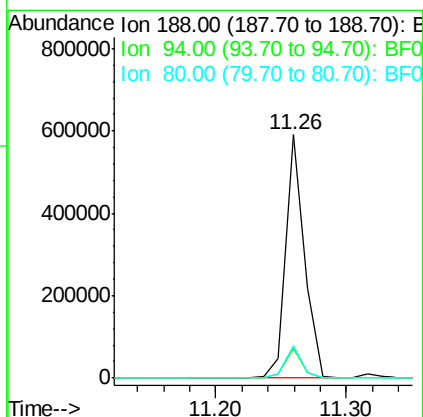
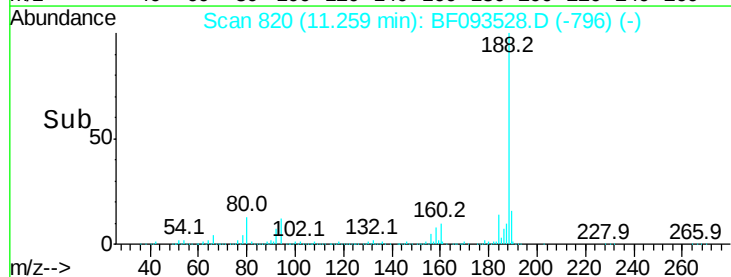
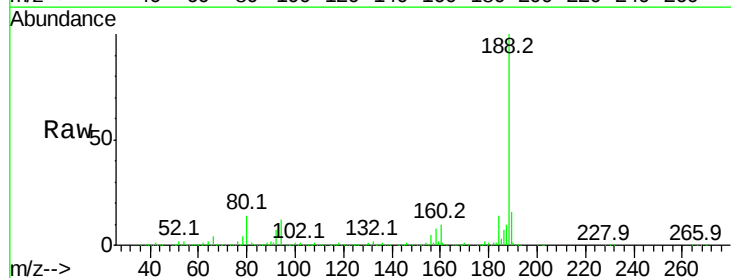
Manual Integrations
APPROVED

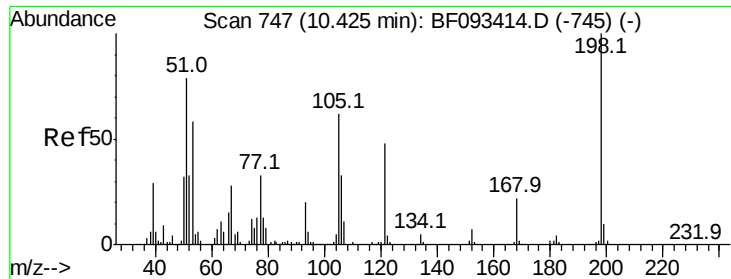
mohammad
3/13/2017 5:28:48 PM



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.26 min Scan# 820
Delta R.T. -0.02 min
Lab File: BF093528.D
Acq: 10 Mar 2017 18:05

Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.3	10.0	15.0
80	13.6	11.2	16.8





#64

4,6-Dinitro-2-methylphenol

Concen: 36.90 ng

RT: 10.40 min Scan# 745

Delta R.T. -0.02 min

Lab File: BF093528.D

Acq: 10 Mar 2017 18:05

Instrument :

BNA_F

ClientSampled :

D-38MS

Tot Ion:198 Resp: 142466

Ion Ratio Lower Upper

198 100

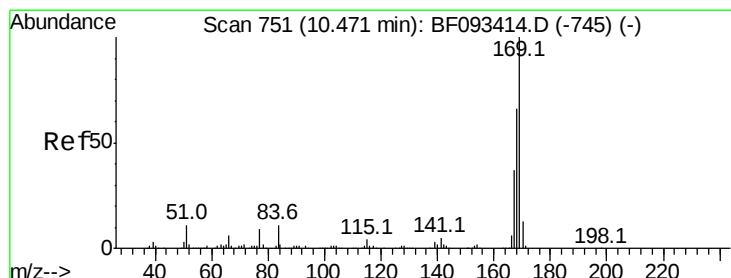
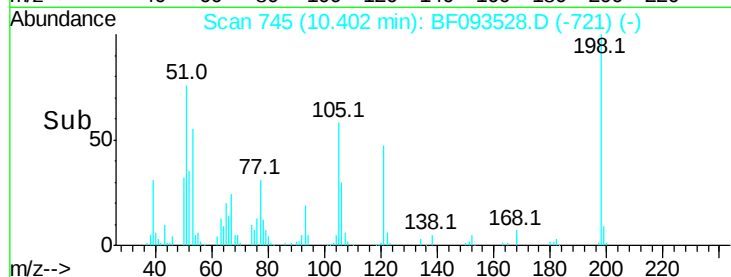
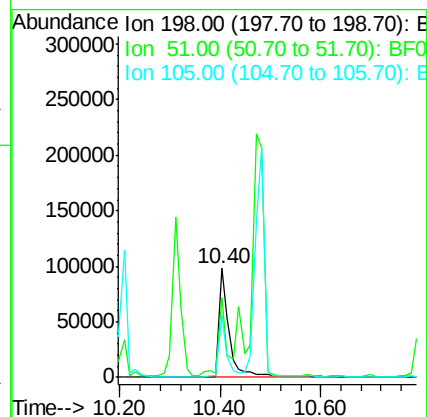
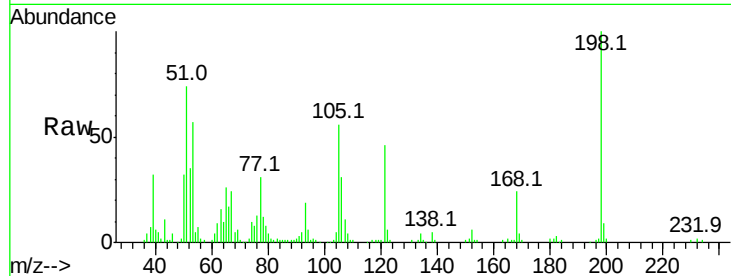
51 73.6 6.7 46.7#

105 56.5 16.6 56.6

Manual Integrations
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3/13/2017 5:28:48 PM



#65

n-Nitrosodiphenylamine

Concen: 18.42 ng

RT: 10.44 min Scan# 748

Delta R.T. -0.03 min

Lab File: BF093528.D

Acq: 10 Mar 2017 18:05

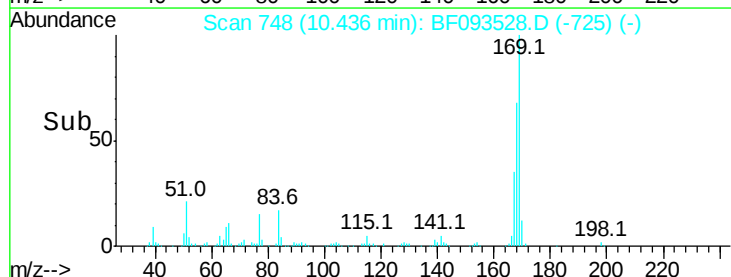
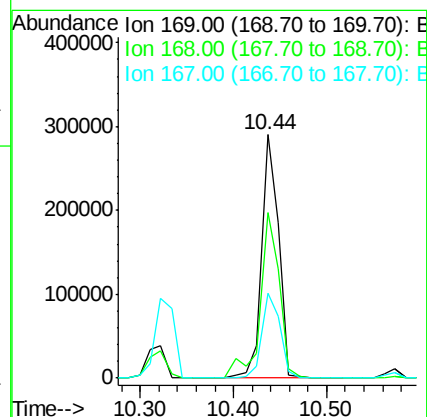
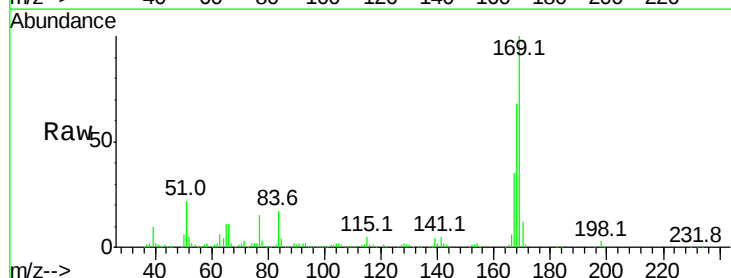
Tgt Ion:169 Resp: 366449

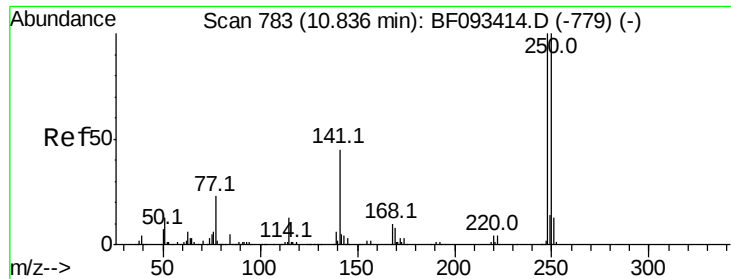
Ion Ratio Lower Upper

169 100

168 68.2 54.2 81.2

167 35.0 30.2 45.4





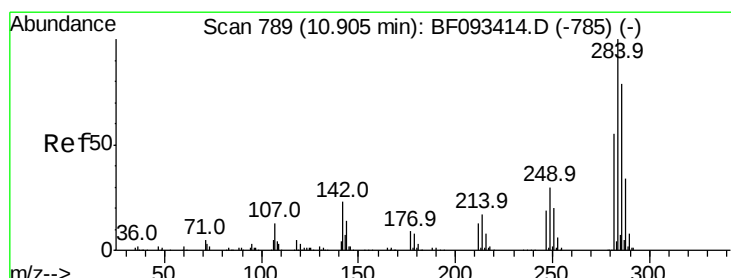
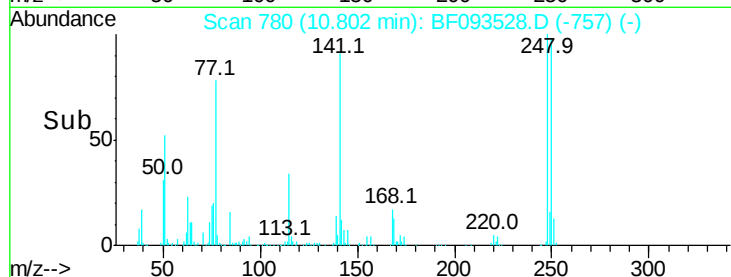
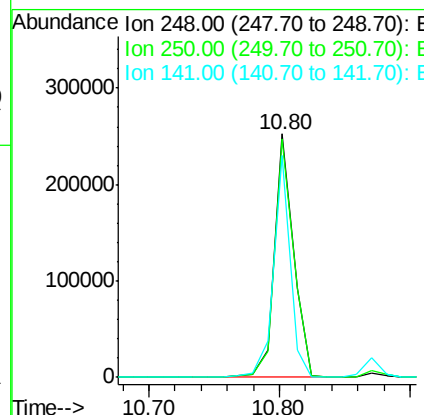
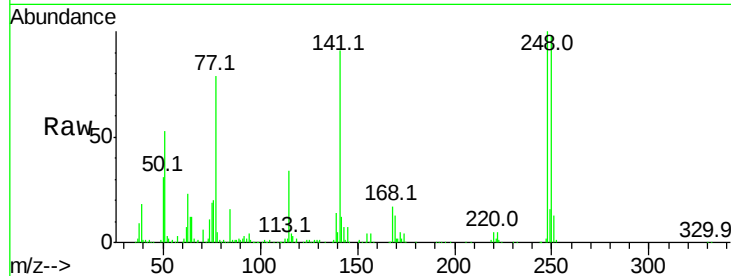
#66
4-Bromophenyl-phenylether
Concen: 41.44 ng
RT: 10.80 min Scan# 780
Delta R.T. -0.03 min
Lab File: BF093528.D
Acq: 10 Mar 2017 18:05

Instrument :
BNA_F
ClientSampleId :
D-38MS

Tot Ion	Ratio	Resp	Lower	Upper
248	100	261177		
250	98.2	76.9	115.3	
141	91.0	68.2	102.4	

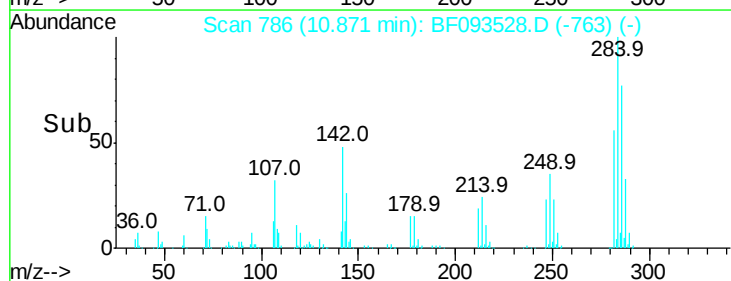
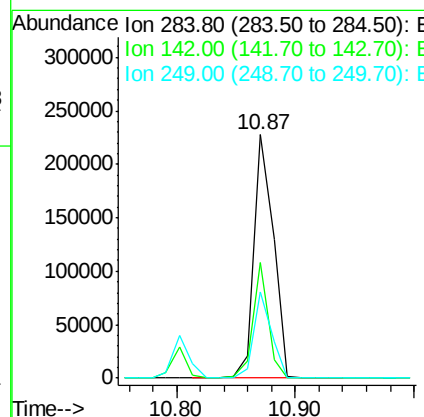
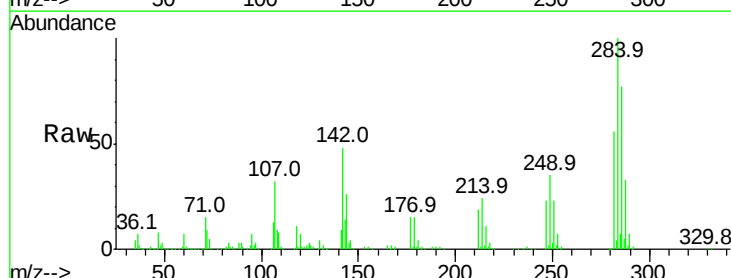
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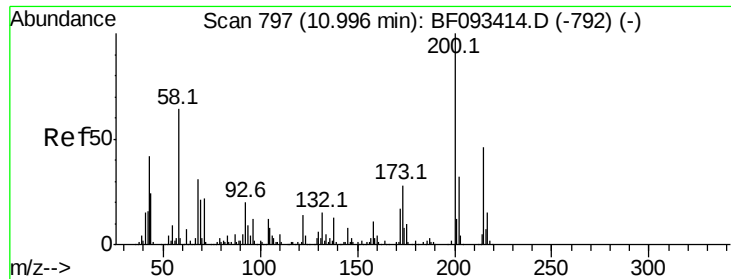
mohammad
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#67
Hexachlorobenzene
Concen: 43.72 ng
RT: 10.87 min Scan# 786
Delta R.T. -0.03 min
Lab File: BF093528.D
Acq: 10 Mar 2017 18:05

Tgt Ion	Ratio	Resp	Lower	Upper
284	100	263085		
142	47.6	22.6	33.8#	
249	35.5	25.4	38.0	





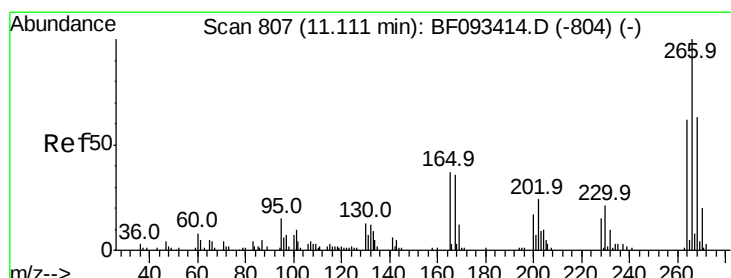
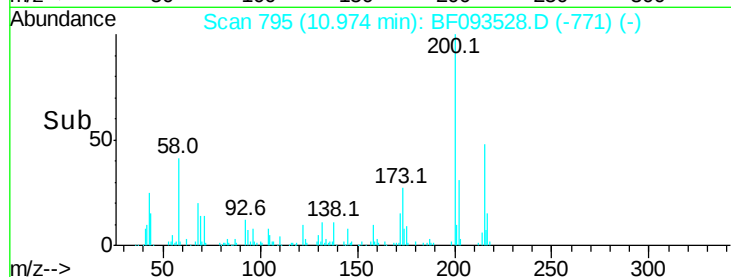
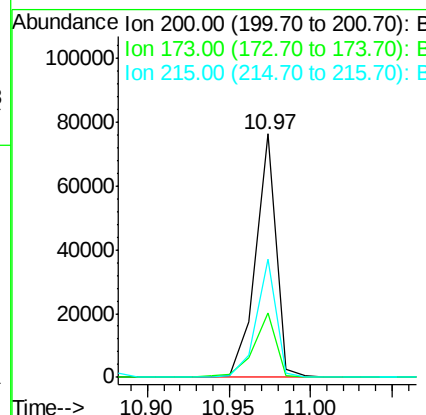
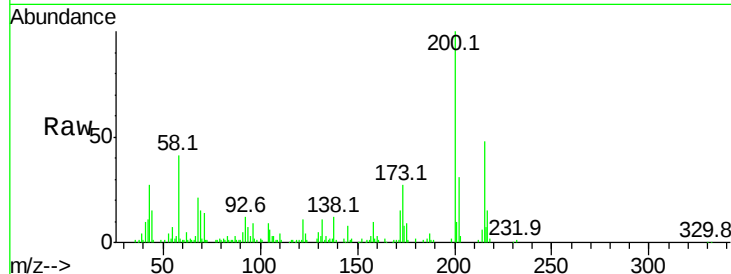
#68
Atrazine
Concen: 11.44 ng
RT: 10.97 min Scan# 795
Delta R.T. -0.02 min
Lab File: BF093528.D
Acq: 10 Mar 2017 18:05

Instrument :
BNA_F
ClientSampleId :
D-38MS

Tot Ion	Ratio	Lower	Upper
200	100		
173	26.7	9.6	49.6
215	48.4	25.7	65.7

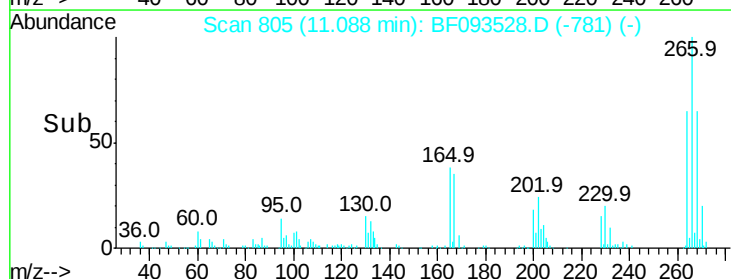
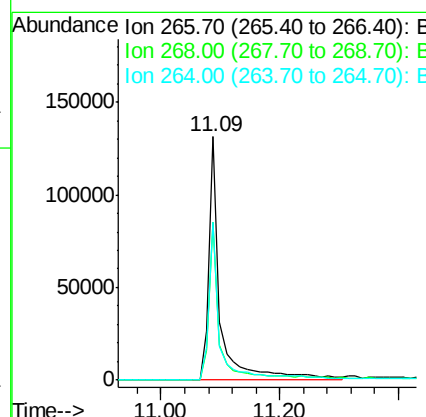
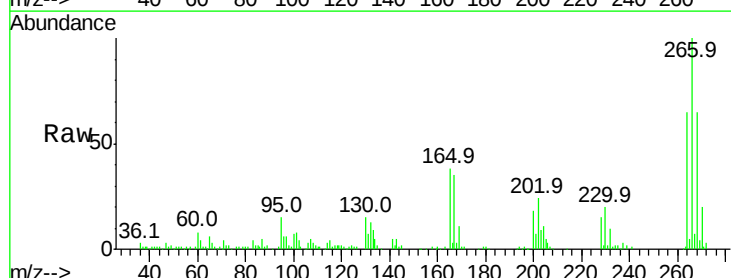
Manual Integrations
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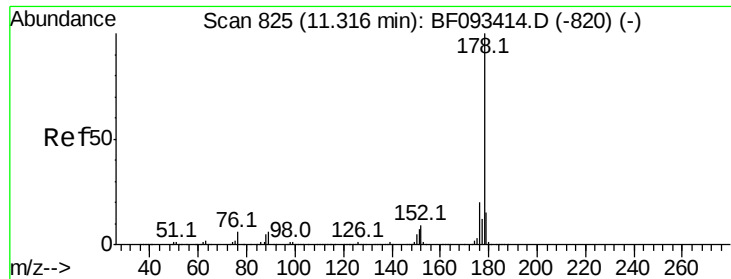
mohammad
3/13/2017 5:28:48 PM



#69
Pentachlorophenol
Concen: 88.83 ng
RT: 11.09 min Scan# 805
Delta R.T. -0.02 min
Lab File: BF093528.D
Acq: 10 Mar 2017 18:05

Tgt Ion	Ratio	Lower	Upper
266	100		
268	65.0	53.3	79.9
264	65.0	50.3	75.5





#70

Phenanthrene

Concen: 43.38 ng

RT: 11.28 min Scan# 822

Delta R.T. -0.03 min

Lab File: BF093528.D

Acq: 10 Mar 2017 18:05

Instrument :

BNA_F

ClientSampleId :

D-38MS

Tot Ion:178 Resp: 1475626

Ion Ratio Lower Upper

178 100

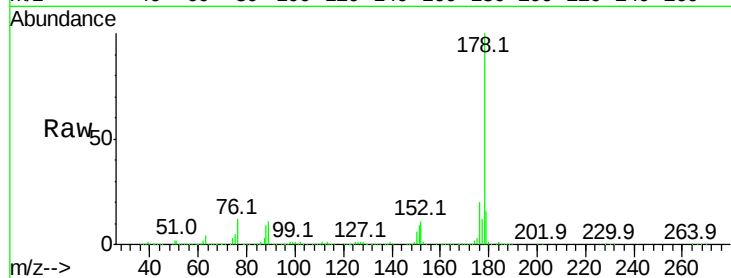
176 20.0 16.6 25.0

179 15.9 12.8 19.2

Manual Integrations
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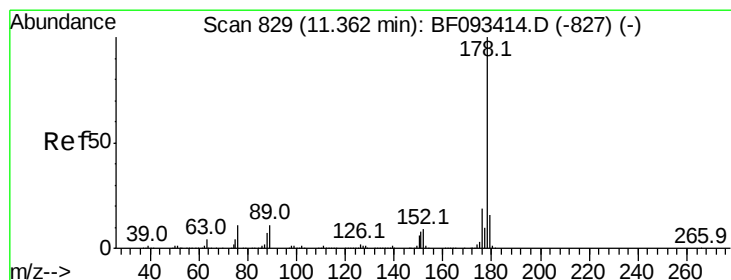
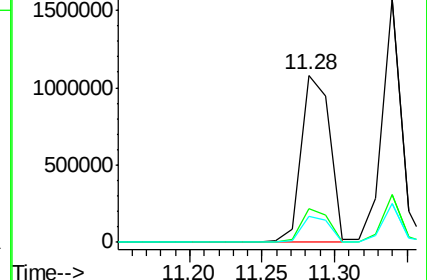
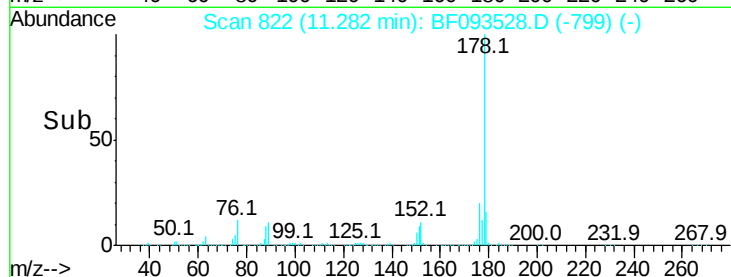
3/13/2017 5:28:48 PM



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 41.91 ng

RT: 11.34 min Scan# 827

Delta R.T. -0.02 min

Lab File: BF093528.D

Acq: 10 Mar 2017 18:05

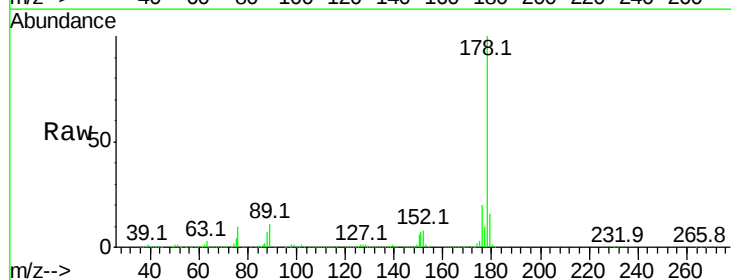
Tgt Ion:178 Resp: 1442043

Ion Ratio Lower Upper

178 100

176 19.6 15.9 23.9

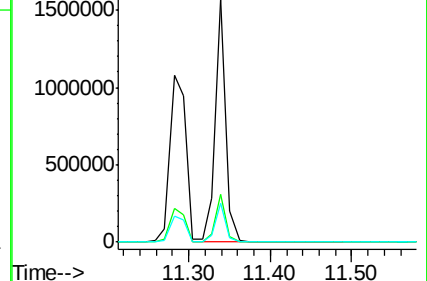
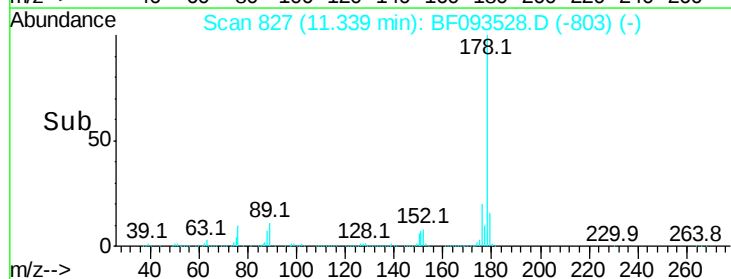
179 15.9 13.2 19.8

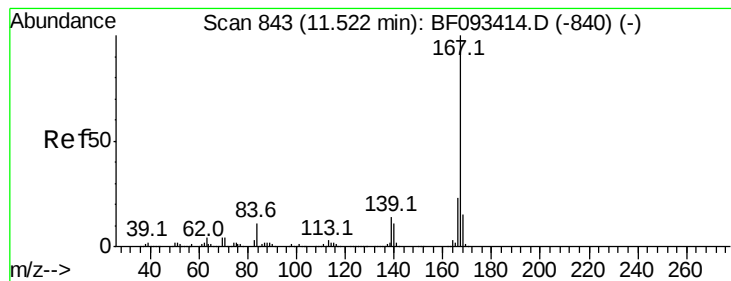


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 18.13 ng

RT: 11.50 min Scan# 841

Delta R.T. -0.02 min

Lab File: BF093528.D

Acq: 10 Mar 2017 18:05

Instrument :

BNA_F

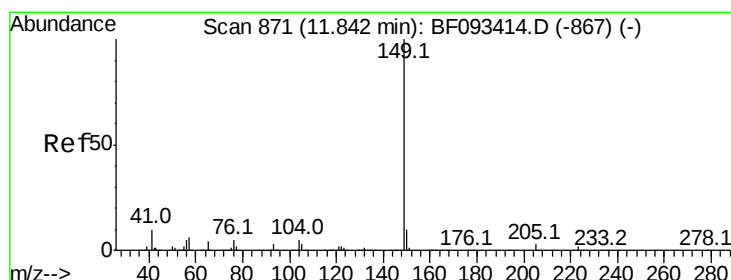
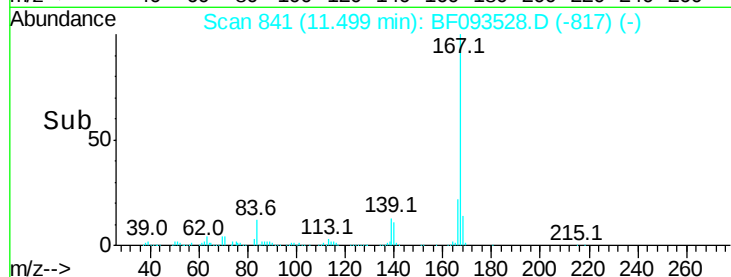
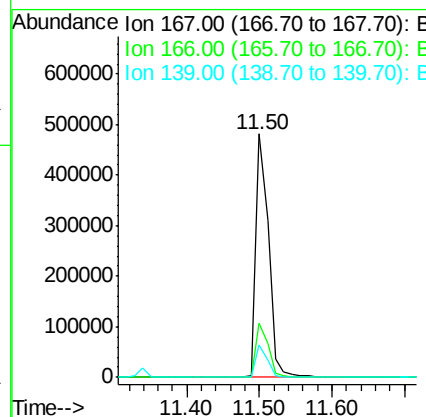
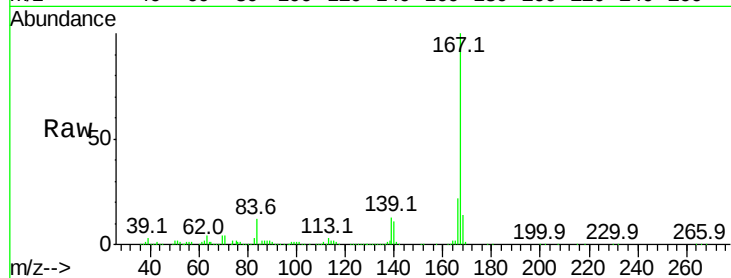
ClientSampleId :

D-38MS

Tot Ion:	167	Resp:	586077
Ion Ratio	Lower	Upper	
167	100		
166	22.4	18.2	27.2
139	13.3	11.4	17.2

Manual Integrations
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#73

Di-n-butylphthalate

Concen: 43.39 ng

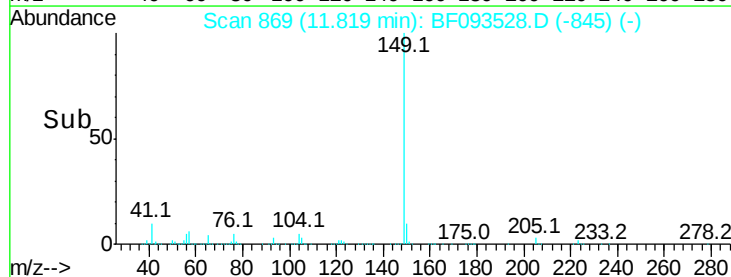
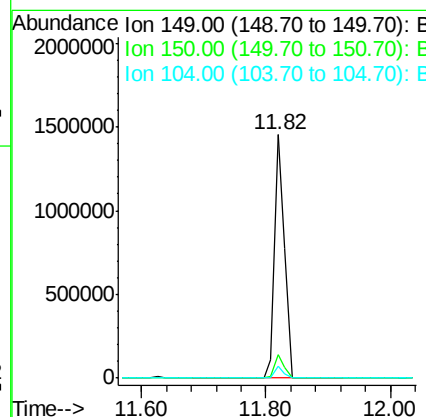
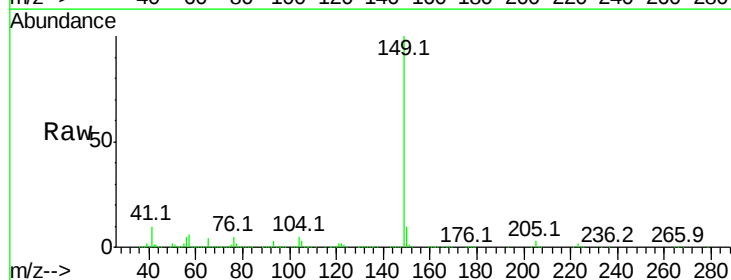
RT: 11.82 min Scan# 869

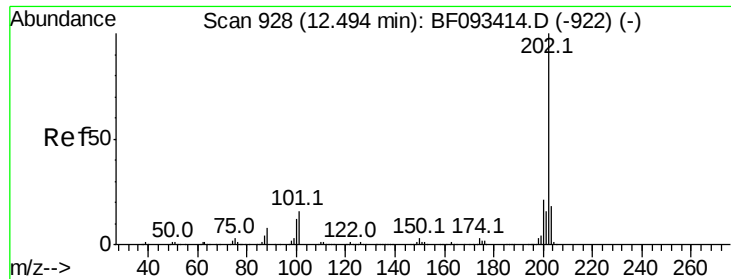
Delta R.T. -0.02 min

Lab File: BF093528.D

Acq: 10 Mar 2017 18:05

Tgt Ion:	149	Resp:	1622728
Ion Ratio	Lower	Upper	
149	100		
150	9.5	8.1	12.1
104	4.9	4.6	7.0





#74

Fluoranthene

Concen: 45.17 ng

RT: 12.47 min Scan# 926

Delta R.T. -0.02 min

Lab File: BF093528.D

Acq: 10 Mar 2017 18:05

Instrument :

BNA_F

ClientSampleId :

D-38MS

Tot Ion:202 Resp: 1484112

Ion Ratio Lower Upper

202 100

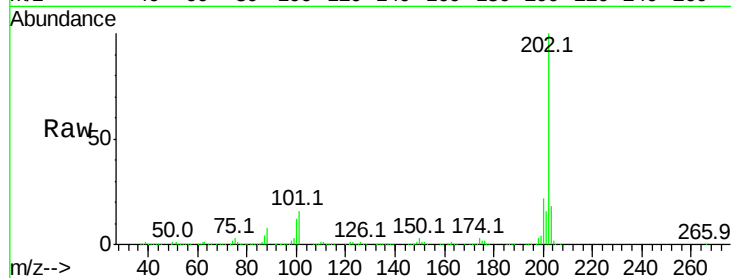
101 15.7 0.0 34.6

203 17.5 0.0 38.7

Manual Integrations
APPROVED

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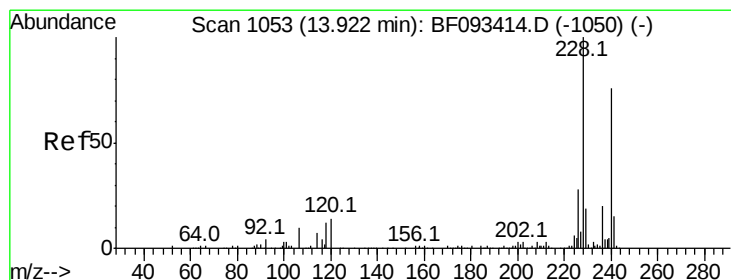
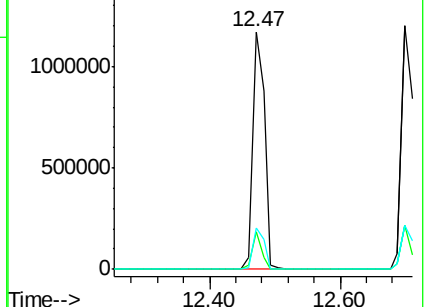
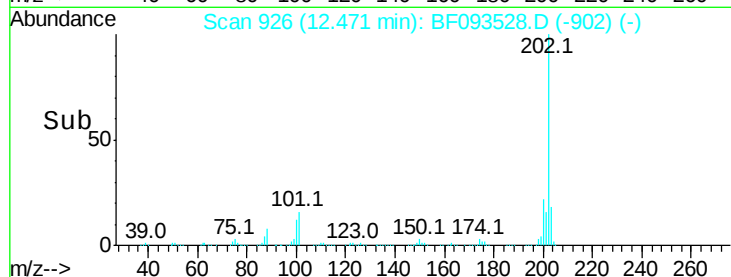
3/13/2017 5:28:48 PM



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.91 min Scan# 1052

Delta R.T. -0.01 min

Lab File: BF093528.D

Acq: 10 Mar 2017 18:05

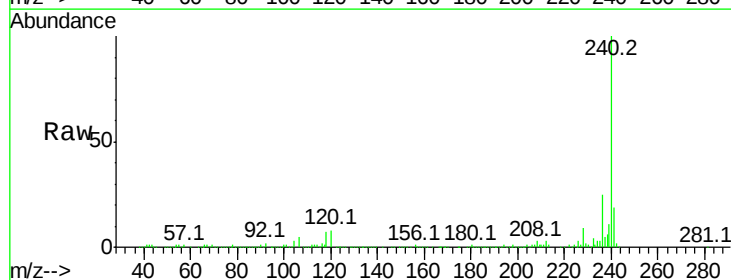
Tgt Ion:240 Resp: 471820

Ion Ratio Lower Upper

240 100

120 7.7 12.9 19.3#

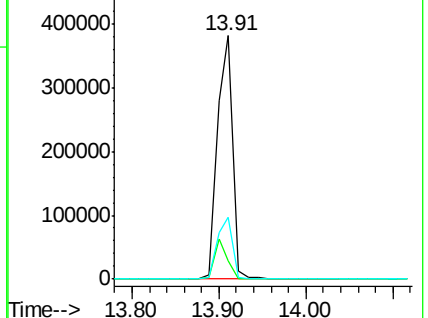
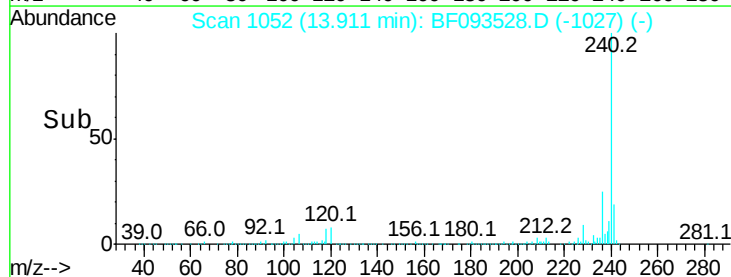
236 25.5 20.9 31.3

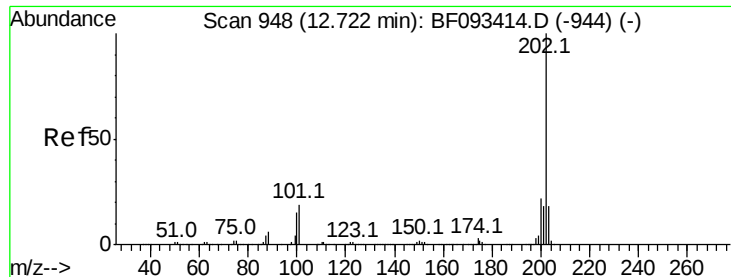


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 43.09 ng

RT: 12.70 min Scan# 946

Delta R.T. -0.02 min

Lab File: BF093528.D

Acq: 10 Mar 2017 18:05

Instrument :

BNA_F

ClientSampleId :

D-38MS

Tot Ion:202 Resp: 1478681

Ion Ratio Lower Upper

202 100

200 22.4 17.7 26.5

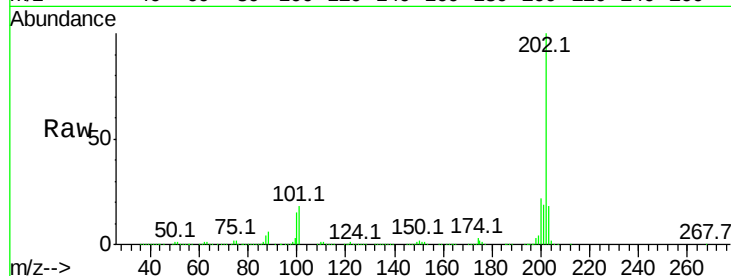
203 18.2 14.7 22.1

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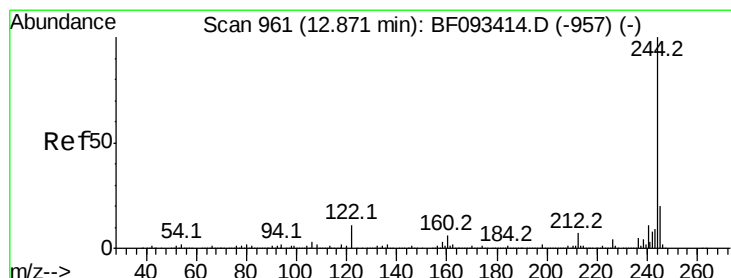
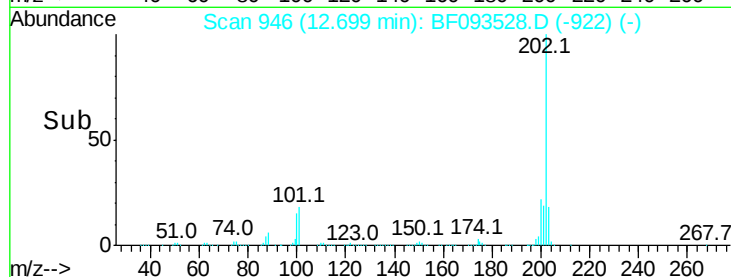
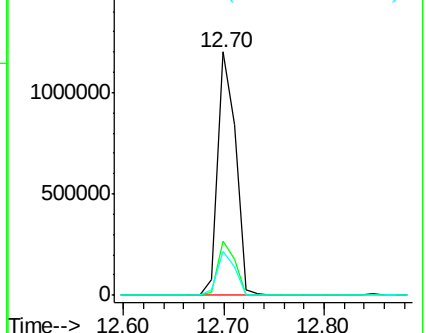
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 89.41 ng

RT: 12.85 min Scan# 959

Delta R.T. -0.02 min

Lab File: BF093528.D

Acq: 10 Mar 2017 18:05

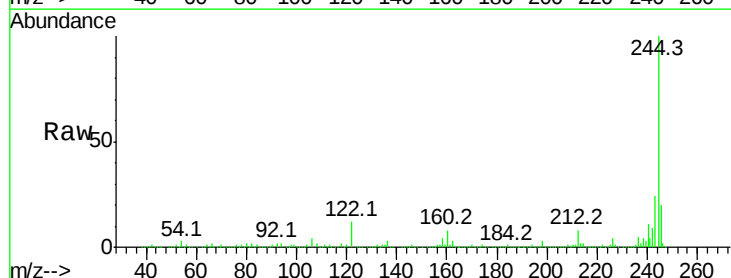
Tgt Ion:244 Resp: 1622485

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

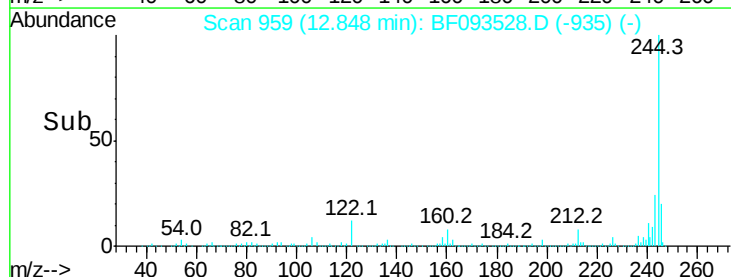
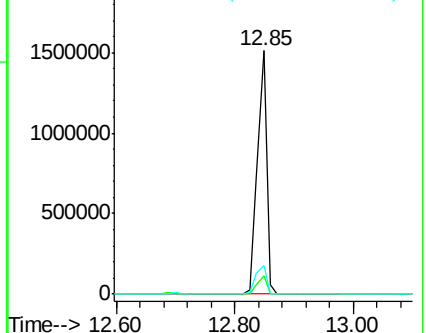
122 11.9 11.4 17.2

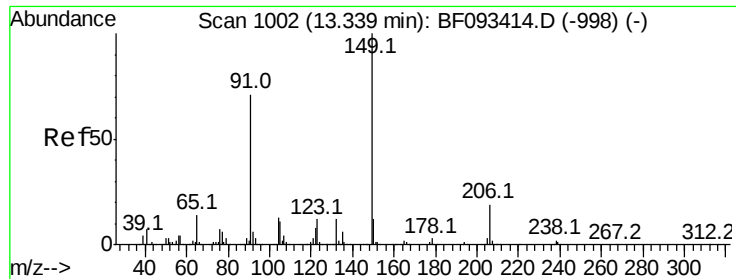


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





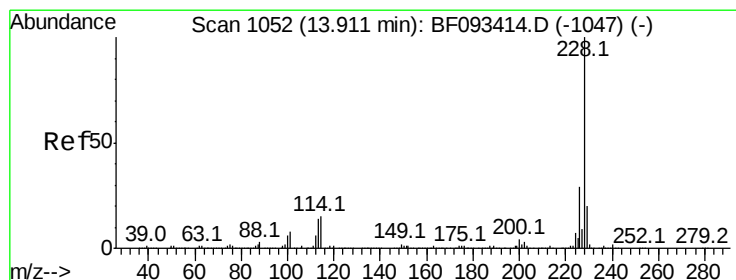
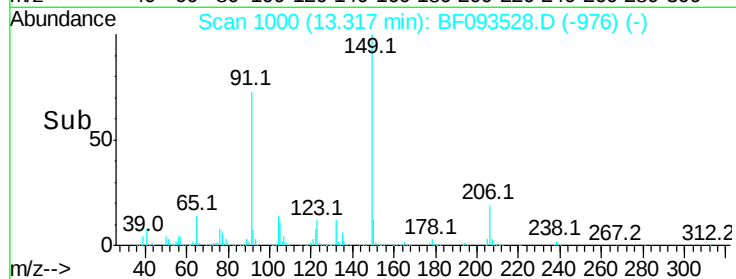
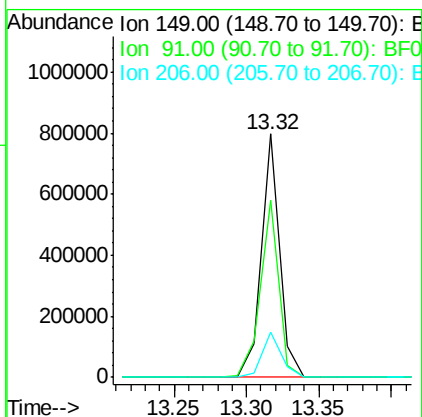
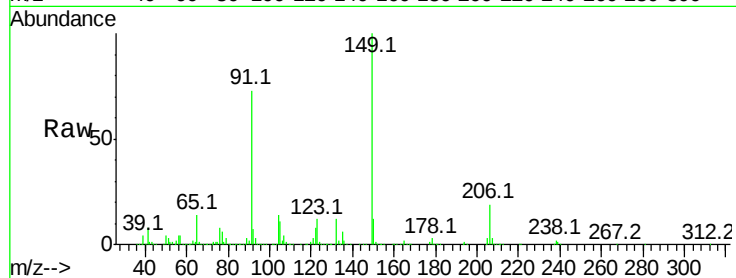
#79
Butylbenzylphthalate
Concen: 48.09 ng
RT: 13.32 min Scan# 1000
Delta R.T. -0.02 min
Lab File: BF093528.D
Acq: 10 Mar 2017 18:05

Instrument :
BNA_F
ClientSampleId :
D-38MS

Tot Ion	Ratio	Lower	Upper
149	100		
91	72.9	63.9	95.9
206	18.8	14.6	21.8

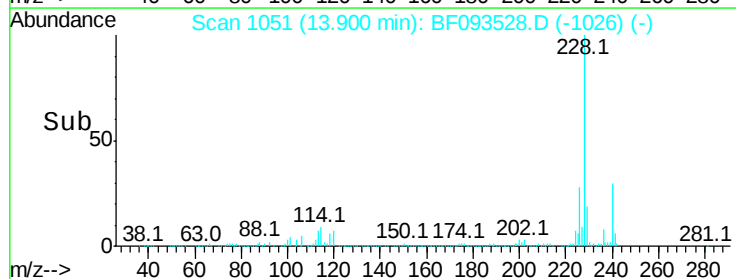
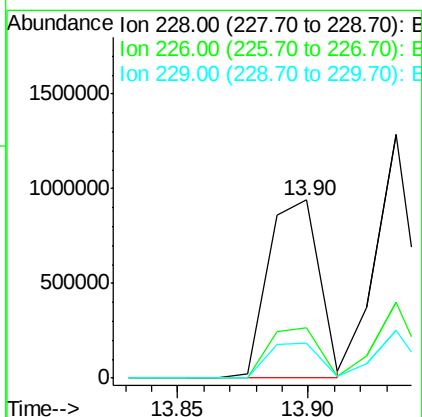
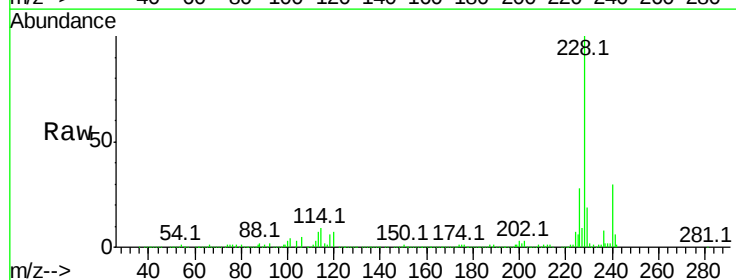
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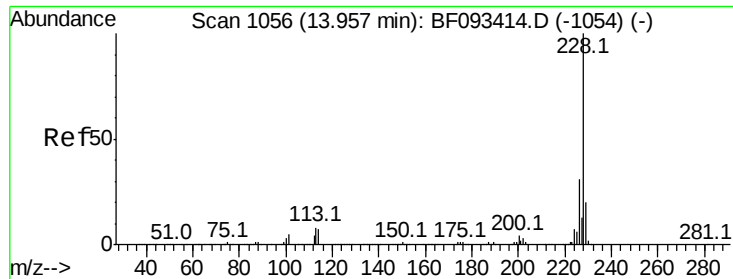
mohammad
3/13/2017 5:28:48 PM



#80
Benzo(a)anthracene
Concen: 45.71 ng
RT: 13.90 min Scan# 1051
Delta R.T. -0.01 min
Lab File: BF093528.D
Acq: 10 Mar 2017 18:05

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.4	33.6
229	19.5	16.2	24.4





#82

Chrvsene

Concen: 47.96 ng

RT: 13.93 min Scan# 1054

Delta R.T. -0.02 min

Lab File: BF093528.D

Acq: 10 Mar 2017 18:05

Instrument :

BNA_F

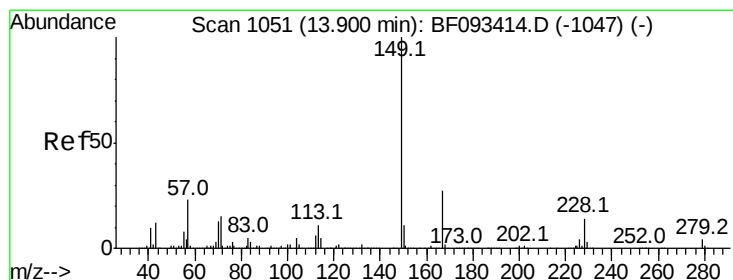
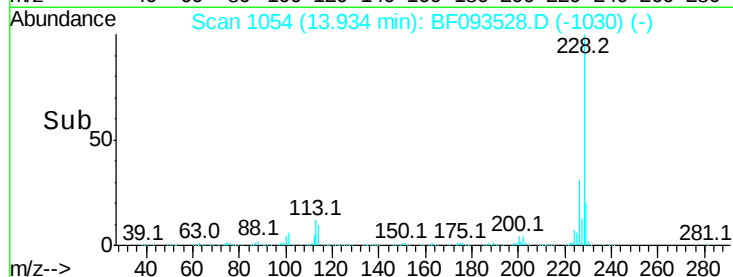
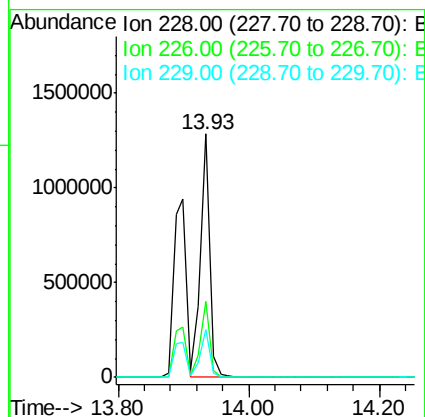
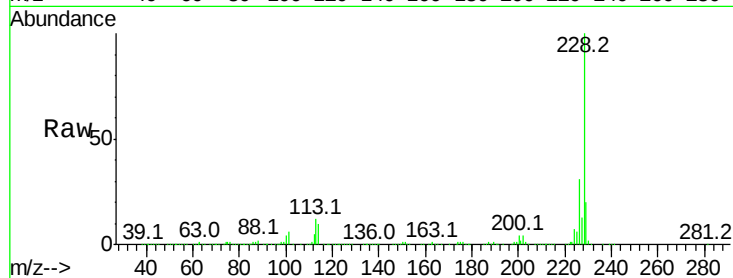
ClientSampleId :

D-38MS

Tot Ion:	228	Resp:	1236344
Ion	Ratio	Lower	Upper
228	100		
226	31.4	25.4	38.0
229	19.8	16.2	24.2

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#83

Bis(2-ethylhexyl)phthalate

Concen: 50.04 ng

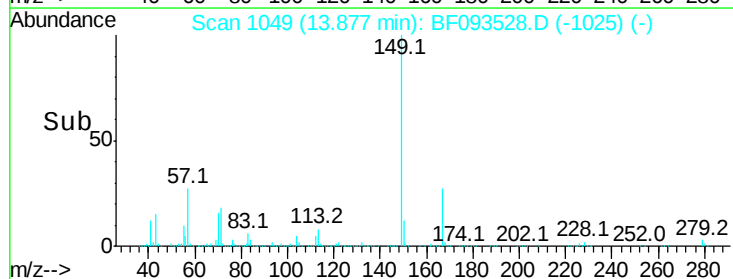
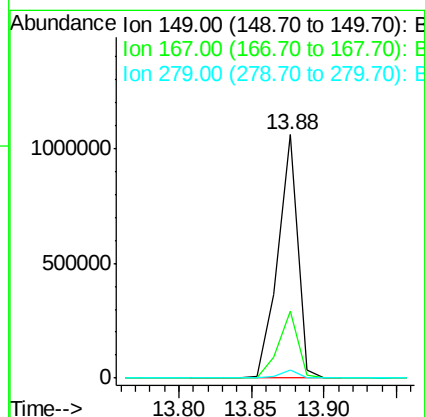
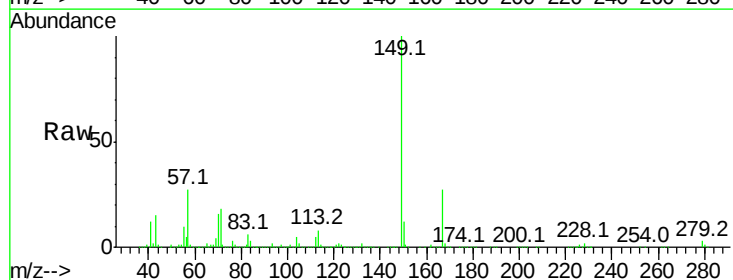
RT: 13.88 min Scan# 1049

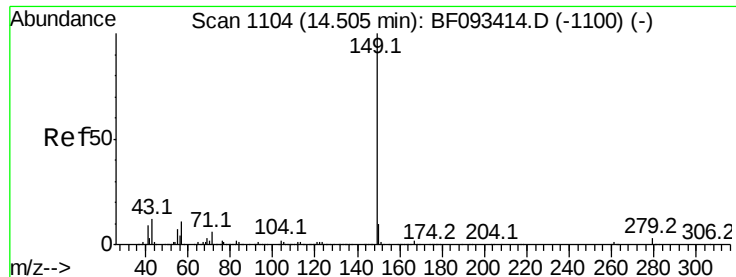
Delta R.T. -0.02 min

Lab File: BF093528.D

Acq: 10 Mar 2017 18:05

Tgt Ion:	149	Resp:	1007504
Ion	Ratio	Lower	Upper
149	100		
167	27.4	20.2	30.4
279	3.4	1.8	2.8#





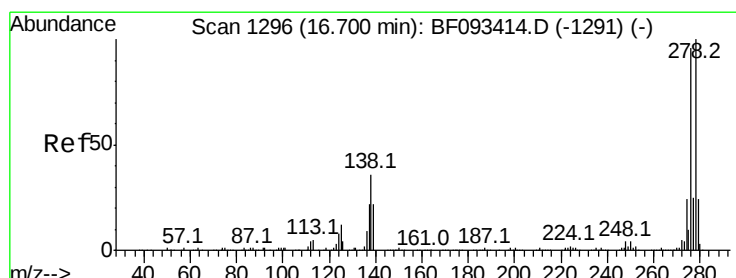
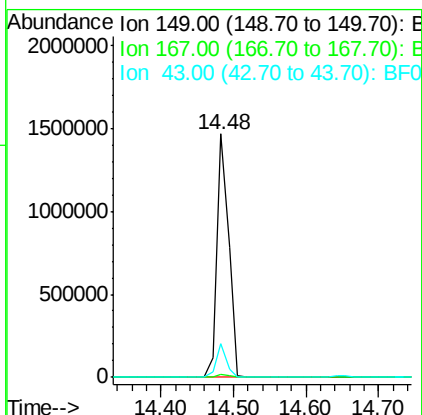
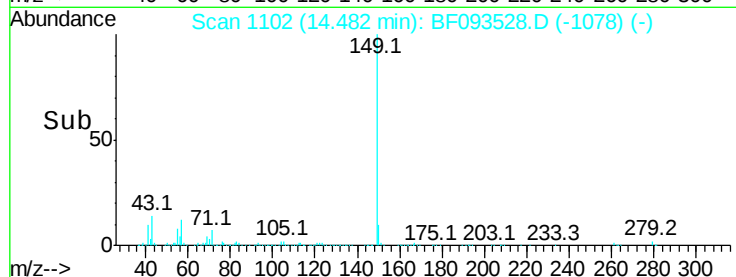
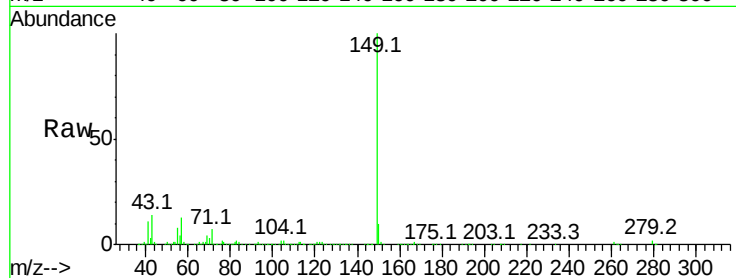
#84
Di-n-octyl phthalate
Concen: 48.89 ng
RT: 14.48 min Scan# 1102
Delta R.T. -0.02 min
Lab File: BF093528.D
Acq: 10 Mar 2017 18:05

Instrument :
BNA_F
ClientSampleId :
D-38MS

Tot Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	12.2	8.9	13.3

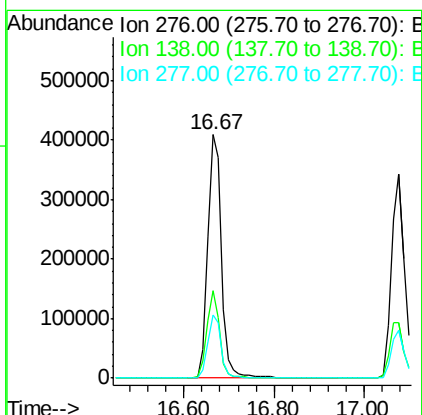
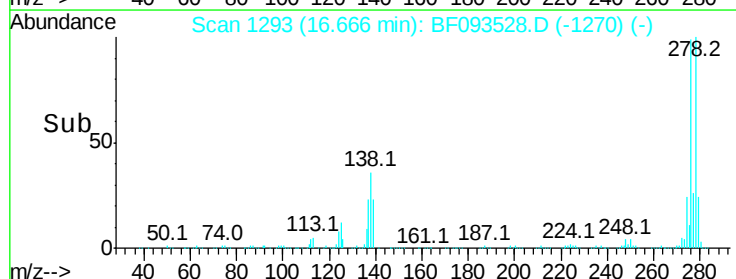
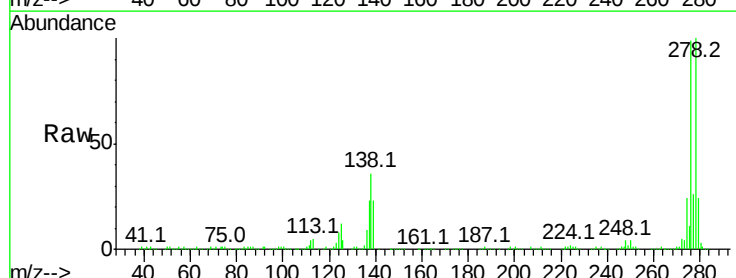
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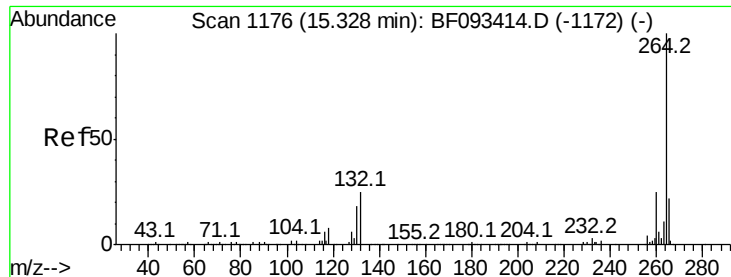
mohammad
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#85
Indeno(1,2,3-cd)pyrene
Concen: 40.13 ng
RT: 16.67 min Scan# 1293
Delta R.T. -0.03 min
Lab File: BF093528.D
Acq: 10 Mar 2017 18:05

Tgt Ion	Ratio	Lower	Upper
276	100		
138	33.9	21.8	32.6#
277	25.1	20.2	30.4





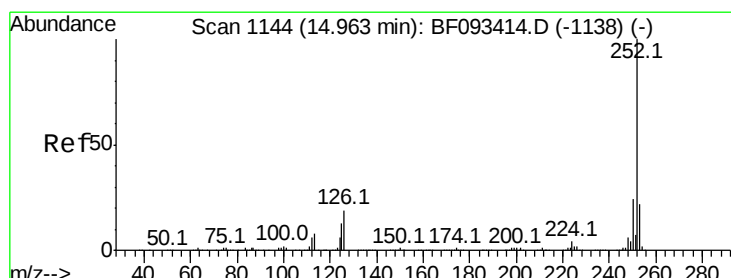
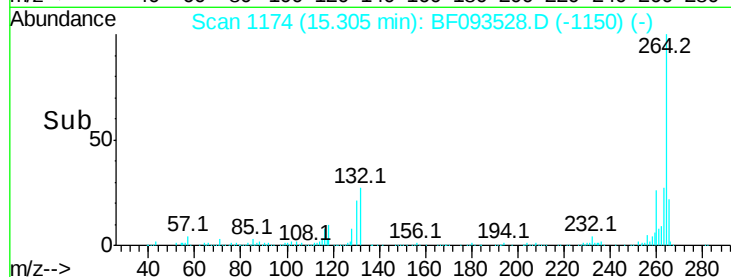
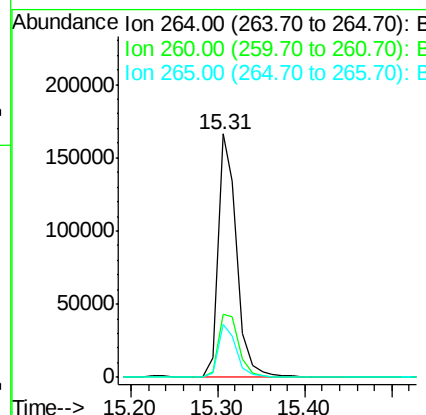
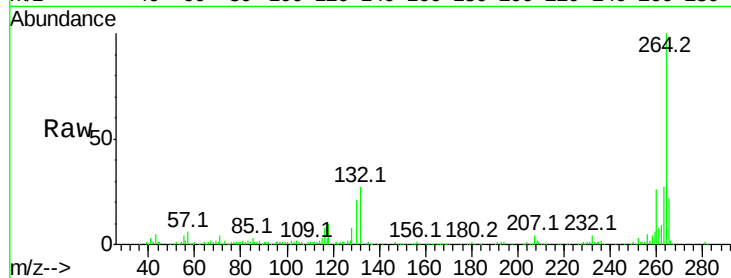
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.31 min Scan# 1174
Delta R.T. -0.02 min
Lab File: BF093528.D
Acq: 10 Mar 2017 18:05

Instrument :
BNA_F
ClientSampleId :
D-38MS

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.7	19.2	28.8
265	21.6	17.4	26.0

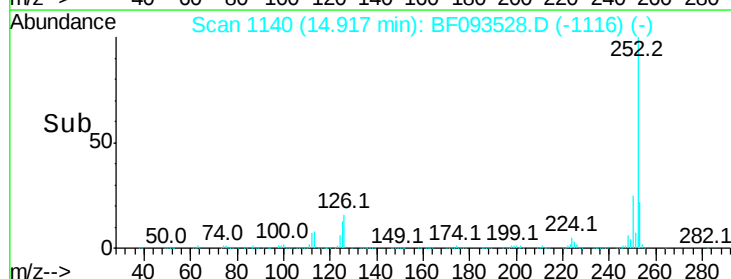
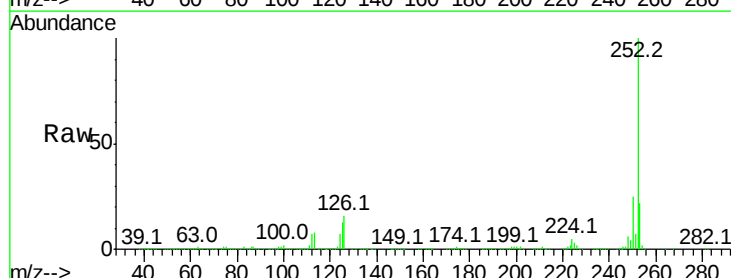
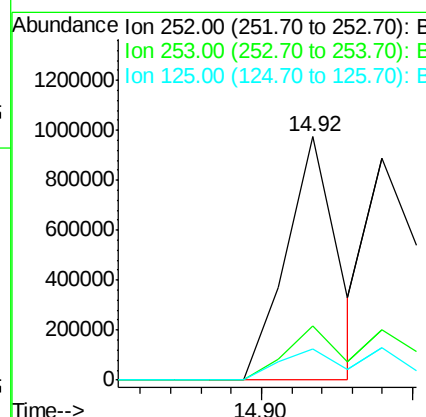
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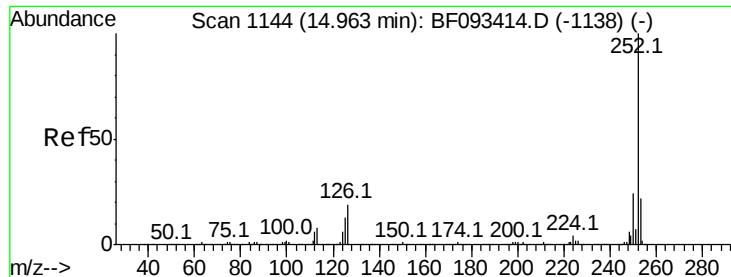
mohammad
3/13/2017 5:28:48 PM



#87
Benzo(b)fluoranthene
Concen: 76.35 ng m
RT: 14.92 min Scan# 1140
Delta R.T. -0.02 min
Lab File: BF093528.D
Acq: 10 Mar 2017 18:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.2	27.4
125	12.8	9.8	14.6





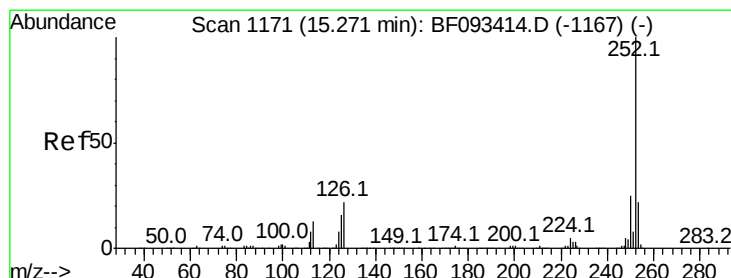
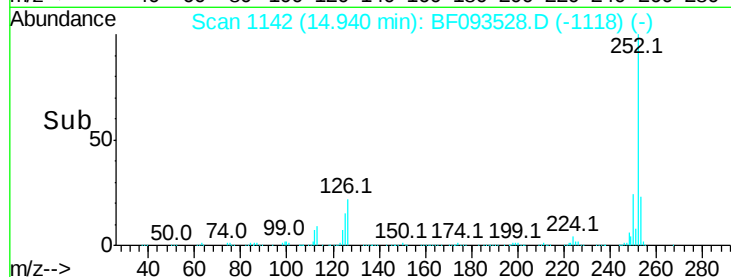
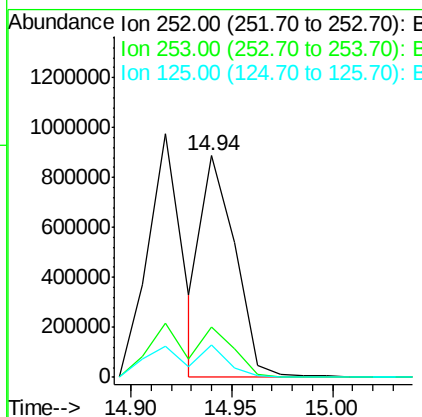
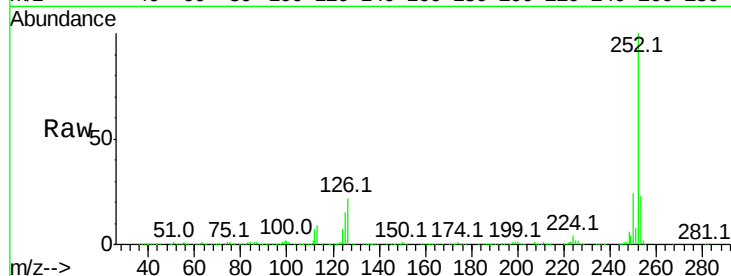
#88
Benzo(k)fluoranthene
Concen: 71.07 ng m
RT: 14.94 min Scan# 1142
Delta R.T. -0.02 min
Lab File: BF093528.D
Acq: 10 Mar 2017 18:05

Instrument :
BNA_F
ClientSampleId :
D-38MS

Tot Ion:252 Resp: 1033606
Ion Ratio Lower Upper
252 100
253 22.5 18.5 27.7
125 14.7 8.9 13.3#

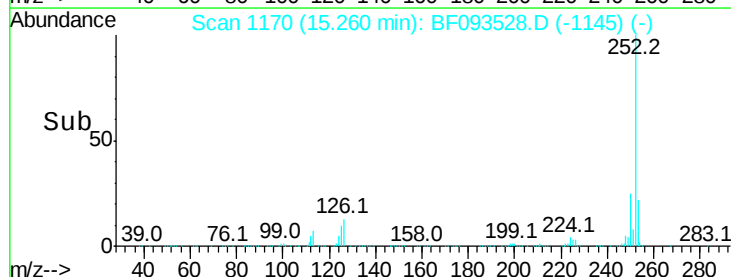
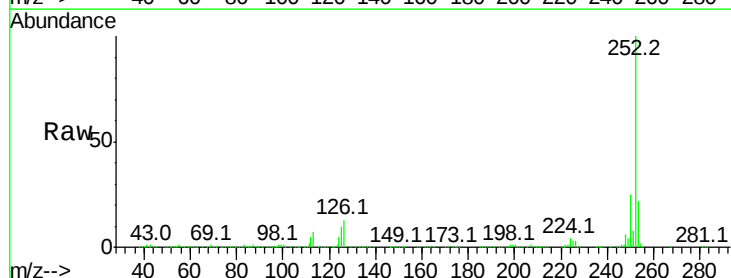
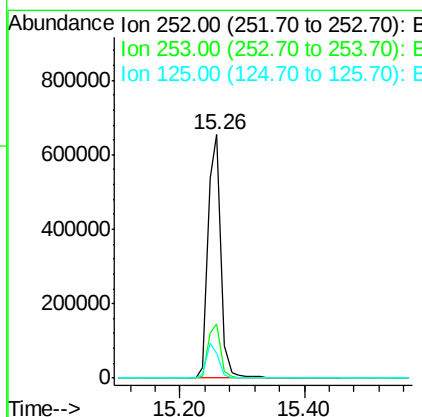
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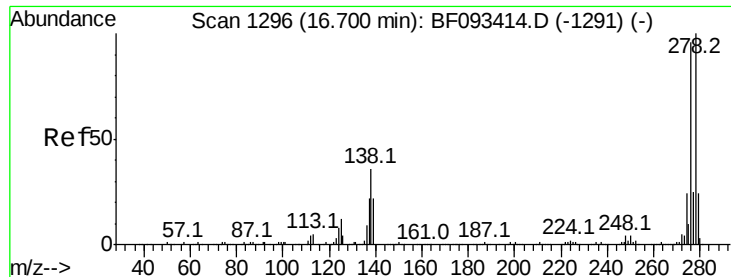
mohammad
3/13/2017 5:28:48 PM



#89
Benzo(a)pyrene
Concen: 66.99 ng
RT: 15.26 min Scan# 1170
Delta R.T. -0.01 min
Lab File: BF093528.D
Acq: 10 Mar 2017 18:05

Tgt Ion:252 Resp: 923345
Ion Ratio Lower Upper
252 100
253 22.0 18.2 27.2
125 10.3 10.0 15.0





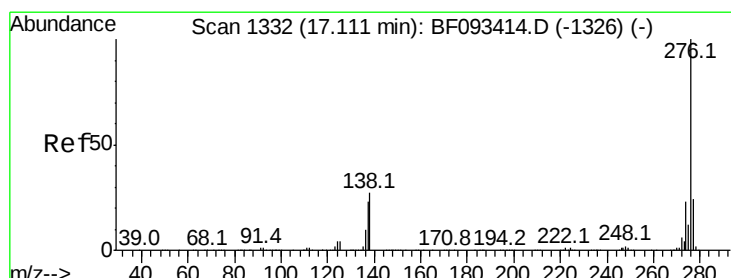
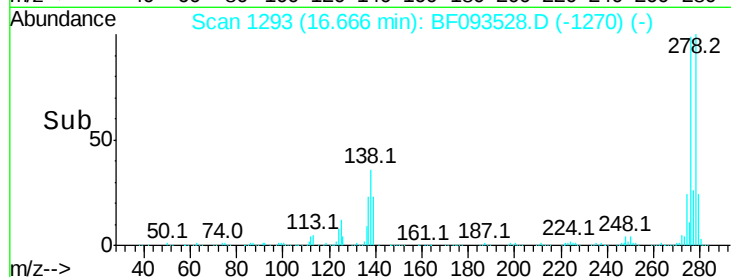
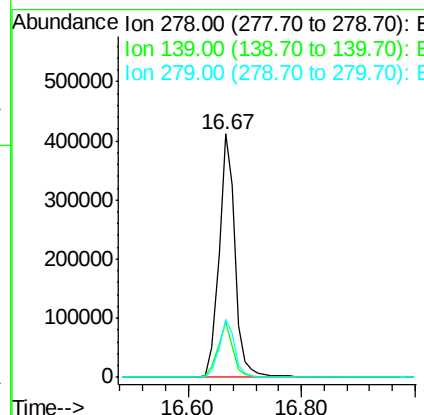
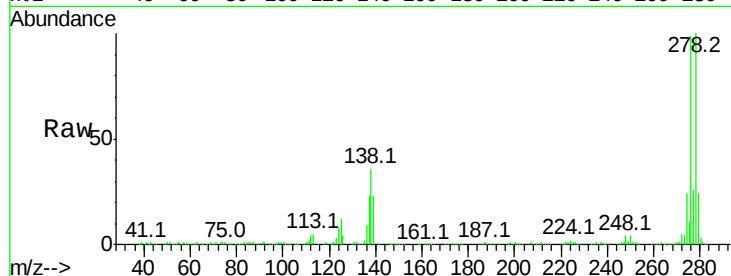
#90
Dibenzo(a,h)anthracene
Concen: 69.41 ng
RT: 16.67 min Scan# 1293
Delta R.T. -0.03 min
Lab File: BF093528.D
Acq: 10 Mar 2017 18:05

Instrument :
BNA_F
ClientSampled :
D-38MS

Tot Ion	Ratio	Lower	Upper
278	100		
139	22.6	14.8	22.2#
279	23.9	19.8	29.6

Manual Integrations
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mohammad
3/13/2017 5:28:48 PM



#91
Benzo(g,h,i)perylene
Concen: 62.63 ng
RT: 17.08 min Scan# 1329
Delta R.T. -0.03 min
Lab File: BF093528.D
Acq: 10 Mar 2017 18:05

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.2	28.8
138	27.4	16.0	24.0#

