

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031517\
 Data File : BF093693.D
 Acq On : 16 Mar 2017 5:35
 Operator : SJ/MA
 Sample : PB97590BS
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB97590BS

Quant Time: Mar 16 06:38:37 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 13 15:05:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	159436	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	571671	20.00	ng	-0.01
38) Acenaphthene-d10	9.76	164	227361	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	328525	20.00	ng	0.00
75) Chrysene-d12	13.89	240	314719	20.00	ng	0.00
86) Perylene-d12	15.29	264	257367	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	966207	100.86	ng	0.00
7) Phenol-d6	6.38	99	1162570	96.24	ng	0.00
23) Nitrobenzene-d5	7.29	82	896079	86.97	ng	-0.01
41) 2,4,6-Tribromophenol	10.56	330	141953	95.83	ng	0.01
44) 2-Fluorobiphenyl	9.09	172	1427927	116.82	ng	0.00
78) Terphenyl-d14	12.83	244	923043	76.25	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.25	88	224256	42.50	ng	# 83
3) Pyridine	2.93	79	492217	36.59	ng	# 85
4) n-Nitrosodimethylamine	2.90	42	304042	47.32	ng	86
6) Aniline	6.38	93	330294	19.92	ng	# 91
8) 2-Chlorophenol	6.50	128	485444	45.23	ng	99
9) Benzaldehyde	6.25	77	280315	36.68	ng	# 80
10) Phenol	6.39	94	714644	48.28	ng	81
11) bis(2-Chloroethyl)ether	6.45	93	537898	44.96	ng	91
12) 1,3-Dichlorobenzene	6.88	146	471464	38.38	ng	96
13) 1,4-Dichlorobenzene	6.72	146	555465	44.16	ng	98
14) 1,2-Dichlorobenzene	6.88	146	485362	43.57	ng	95
15) Benzyl Alcohol	6.88	79	356700	41.42	ng	94
16) 2,2'-oxybis(1-Chloropropan	7.00	45	866581	43.60	ng	81
17) 2-Methylphenol	7.01	107	387727	42.71	ng	98
18) Hexachloroethane	7.21	117	150669	35.52	ng	100
19) n-Nitroso-di-n-propylamine	7.14	70	331801	39.95	ng	# 93
20) 3+4-Methylphenols	7.17	107	475503	40.39	ng	# 69
22) Acetophenone	7.13	105	605933	44.05	ng	95
24) Nitrobenzene	7.30	77	449648	38.83	ng	100
25) Isophorone	7.54	82	774611	37.28	ng	# 93
26) 2-Nitrophenol	7.62	139	217910	41.25	ng	97
27) 2,4-Dimethylphenol	7.68	122	379207	44.12	ng	95
28) bis(2-Chloroethoxy)methane	7.76	93	575836	43.90	ng	99
29) 2,4-Dichlorophenol	7.90	162	361634	44.73	ng	93
30) 1,2,4-Trichlorobenzene	7.94	180	369622	42.99	ng	96
31) Naphthalene	8.02	128	1185315	41.37	ng	99
32) Benzoic acid	7.84	122	123551	27.66	ng	97
33) 4-Chloroaniline	8.13	127	108529	9.34	ng	96
34) Hexachlorobutadiene	8.14	225	198695	44.86	ng	99
35) Caprolactam	8.47	113	102814	37.23	ng	# 40
36) 4-Chloro-3-methylphenol	8.61	107	328337	38.05	ng	95
37) 2-Methylnaphthalene	8.81	142	665328	36.50	ng	96
39) 1,2,4,5-Tetrachlorobenzene	8.88	216	318817	51.35	ng	99
40) Hexachlorocyclopentadiene	8.86	237	20605	23.25	ng	92

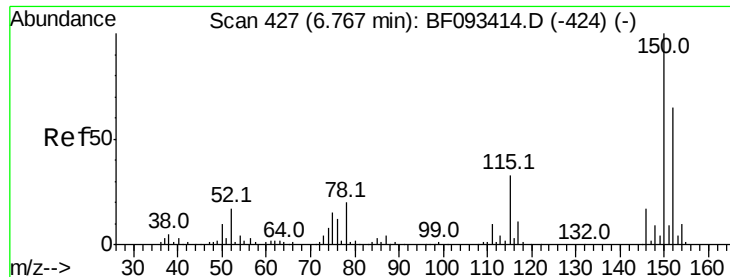
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.02	196	206426	53.22	nq	93
43) 2,4,5-Trichlorophenol	9.08	196	177009	42.53	nq	94
45) 1,1'-Biphenyl	9.18	154	845697	51.06	nq	96
46) 2-Chloronaphthalene	9.21	162	677962	53.48	nq	97
47) 2-Nitroaniline	9.33	65	214611	47.89	nq	90
48) Acenaphthylene	9.62	152	1013428	48.47	nq	98
49) Dimethylphthalate	9.49	163	744594	49.40	nq	98
50) 2,6-Dinitrotoluene	9.57	165	172507	52.16	nq	92
51) Acenaphthene	9.80	154	586259	47.42	nq	97
52) 3-Nitroaniline	9.74	138	111165	27.98	nq	87
53) 2,4-Dinitrophenol	9.90	184	7174	4.76	nq	# 47
54) Dibenzofuran	9.97	168	865496	55.93	nq	99
55) 4-Nitrophenol	9.97	139	484433	251.00	nq	# 14
56) 2,4-Dinitrotoluene	9.98	165	194395	47.84	nq	95
57) Fluorene	10.31	166	647204	49.35	nq	98
58) 2,3,4,6-Tetrachlorophenol	10.10	232	143460	48.84	nq	90
59) Diethylphthalate	10.18	149	703315	48.82	nq	99
60) 4-Chlorophenyl-phenylether	10.30	204	289056	49.18	nq	92
61) 4-Nitroaniline	10.36	138	143271	35.26	nq	92
62) Azobenzene	10.46	77	756969	46.24	nq	97
64) 4,6-Dinitro-2-methylphenol	10.40	198	21980	10.33	nq	75
65) n-Nitrosodiphenylamine	10.42	169	547246	49.89	nq	99
66) 4-Bromophenyl-phenylether	10.79	248	170505	49.08	nq	92
67) Hexachlorobenzene	10.86	284	157675	47.53	nq	# 86
68) Atrazine	10.96	200	158614	49.40	nq	96
69) Pentachlorophenol	11.08	266	76835	67.09	nq	99
70) Phenanthrene	11.27	178	814140	43.42	nq	98
71) Anthracene	11.33	178	882846	46.54	nq	98
72) Carbazole	11.50	167	756084	42.43	nq	# 96
73) Di-n-butylphthalate	11.81	149	970517	47.07	nq	# 98
74) Fluoranthene	12.46	202	813296	44.90	nq	98
76) Benzidine	12.60	184	390009	37.68	nq	97
77) Pyrene	12.69	202	844442	36.89	nq	99
79) Butylbenzylphthalate	13.31	149	408861	42.43	nq	# 82
80) Benzo(a)anthracene	13.88	228	758662	40.82	nq	100
81) 3,3'-Dichlorobenzidine	13.84	252	274816	42.22	nq	# 96
82) Chrysene	13.91	228	697299	40.55	nq	99
83) Bis(2-ethylhexyl)phthalate	13.85	149	569059	42.37	nq	100
84) Di-n-octyl phthalate	14.47	149	1034429	46.21	nq	100
85) Indeno(1,2,3-cd)pyrene	16.64	276	597556	41.51	nq	# 94
87) Benzo(b)fluoranthene	14.93	252	1451071	92.58	nq	# 97
88) Benzo(k)fluoranthene	14.93	252	1451071	96.00	nq	97
89) Benzo(a)pyrene	15.24	252	652983	45.58	nq	98
90) Dibenzo(a,h)anthracene	16.64	278	510700	43.09	nq	97
91) Benzo(g,h,i)perylene	17.05	276	486572	40.00	nq	# 93

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.71 min Scan# 422

Delta R.T. -0.01 min

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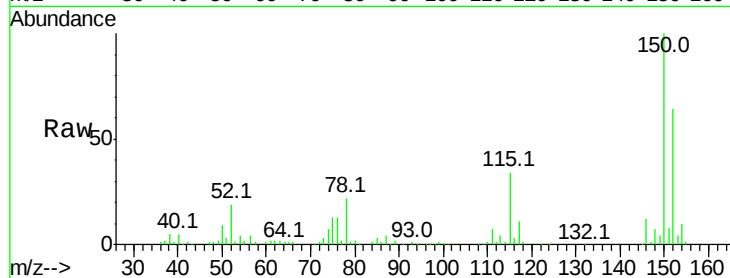
Tot Ion:152 Resp: 159436

Ion Ratio Lower Upper

152 100

150 156.3 124.9 187.3

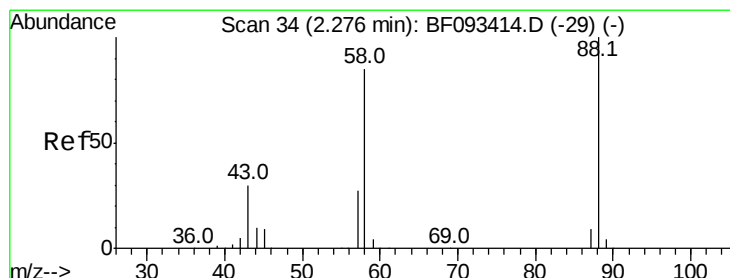
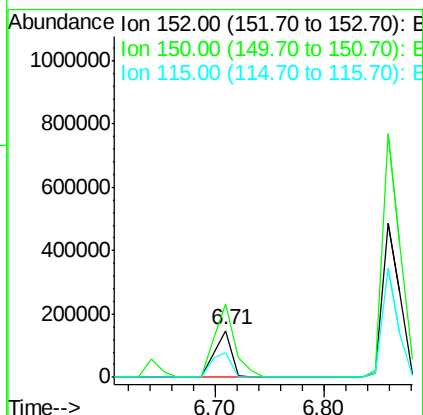
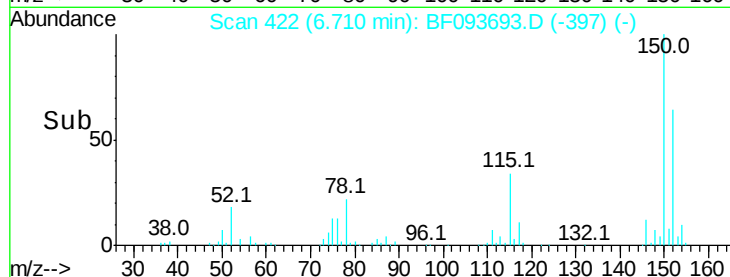
115 53.6 46.0 69.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 42.50 ng

RT: 2.25 min Scan# 32

Delta R.T. 0.07 min

Lab File: BF093693.D

Acq: 16 Mar 2017 5:35

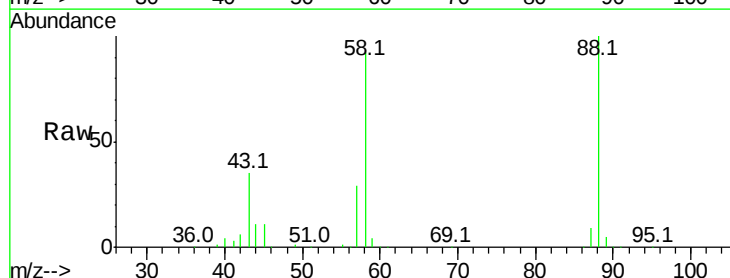
Tgt Ion: 88 Resp: 224256

Ion Ratio Lower Upper

88 100

58 89.8 57.8 86.8#

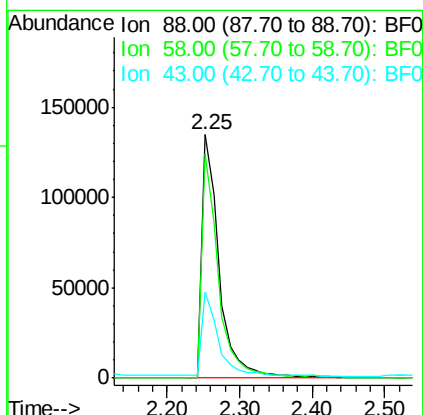
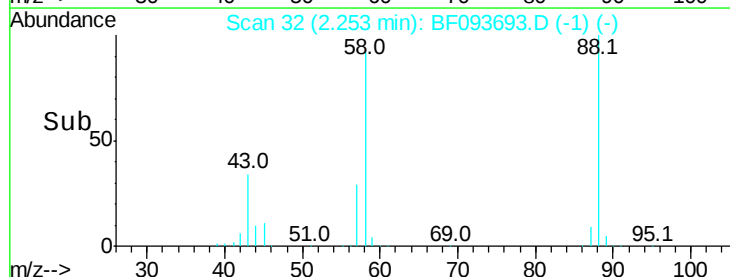
43 32.0 22.3 33.5

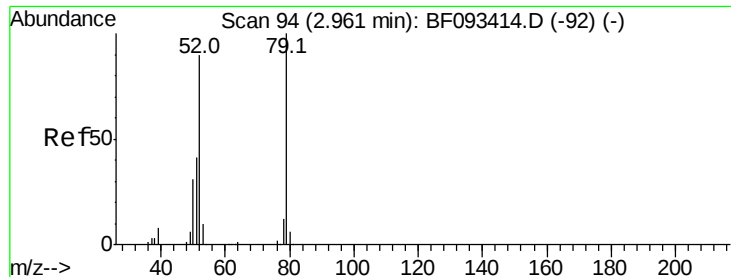


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pvridine

Concen: 36.59 ng

RT: 2.93 min Scan# 91

Delta R.T. 0.07 min

Lab File: BF093693.D

Acq: 16 Mar 2017 5:35

Instrument :

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ClientSampleId :

PB97590BS

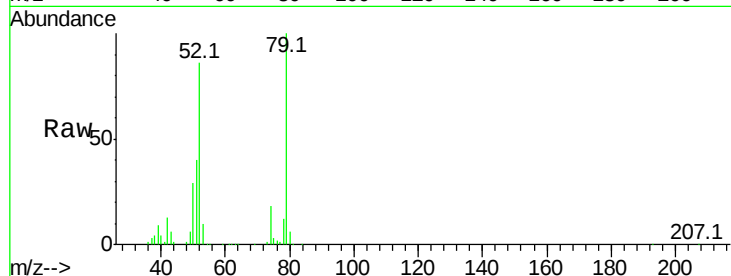
Tot Ion: 79 Resp: 492217

Ion Ratio Lower Upper

79 100

52 85.8 57.1 85.7#

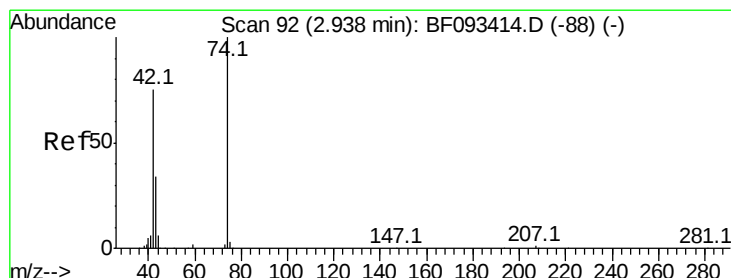
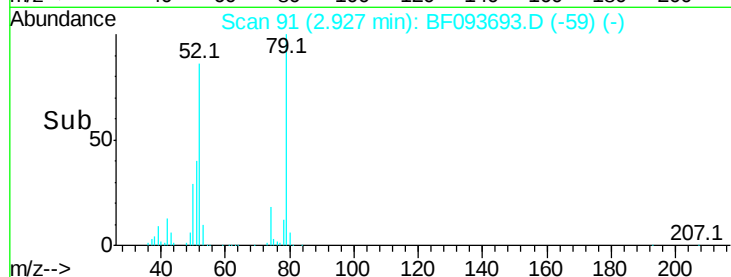
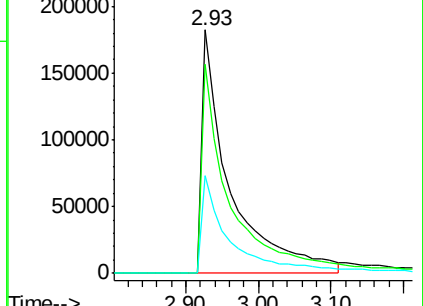
51 40.4 27.3 40.9



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 52.00 (51.70 to 52.70): BF0

Ion 51.00 (50.70 to 51.70): BF0



#4

n-Nitrosodimethylamine

Concen: 47.32 ng

RT: 2.90 min Scan# 89

Delta R.T. 0.07 min

Lab File: BF093693.D

Acq: 16 Mar 2017 5:35

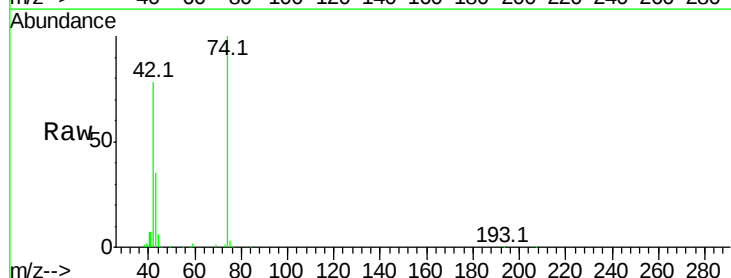
Tgt Ion: 42 Resp: 304042

Ion Ratio Lower Upper

42 100

74 128.1 117.0 175.4

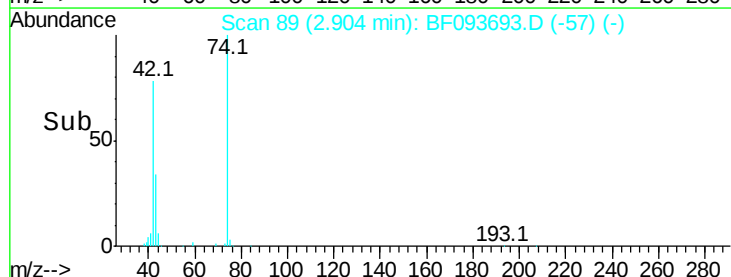
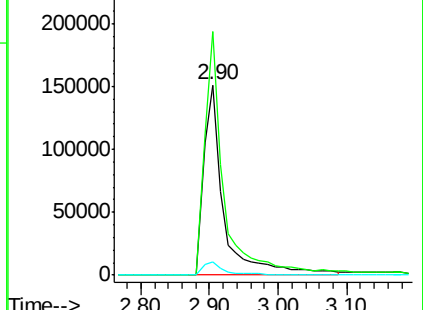
44 7.2 5.5 8.3

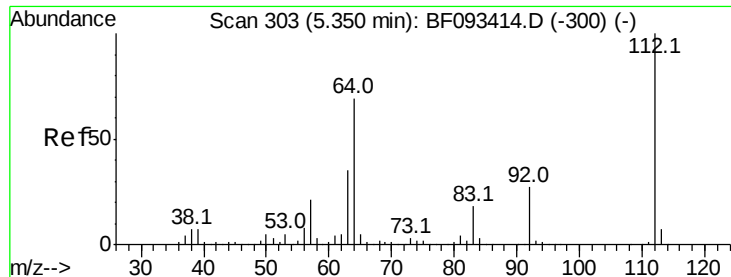


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 100.86 ng

RT: 5.32 min Scan# 300

Delta R.T. 0.00 min

Lab File: BF093693.D

Acq: 16 Mar 2017 5:35

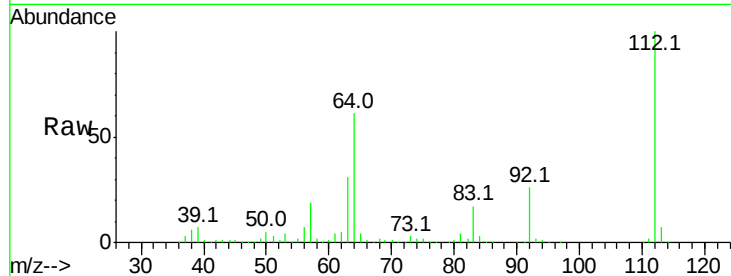
Instrument :

BNA_F

ClientSampleId :

PB97590BS

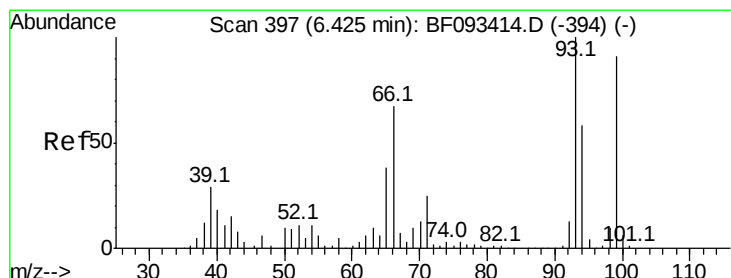
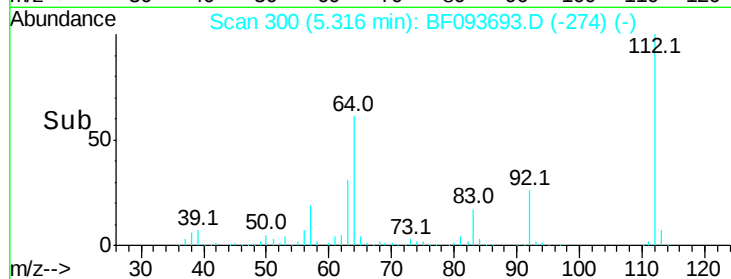
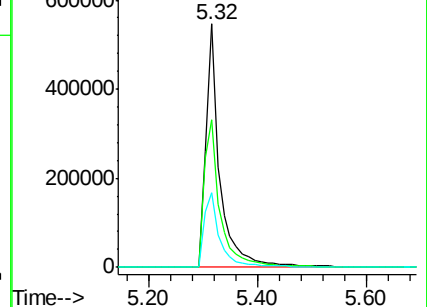
Tot Ion:	112	Resp:	966207
Ion Ratio	Lower	Upper	
112	100		
64	60.6	46.1	69.1
63	30.9	23.8	35.6



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 19.92 ng

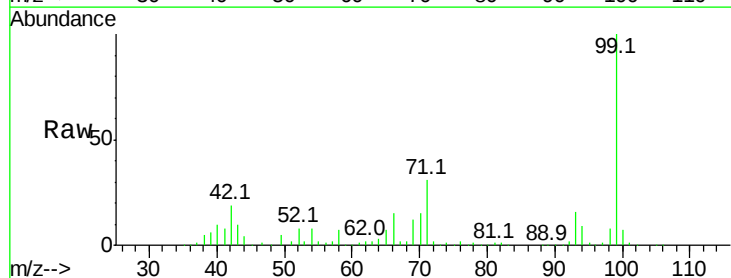
RT: 6.38 min Scan# 393

Delta R.T. -0.01 min

Lab File: BF093693.D

Acq: 16 Mar 2017 5:35

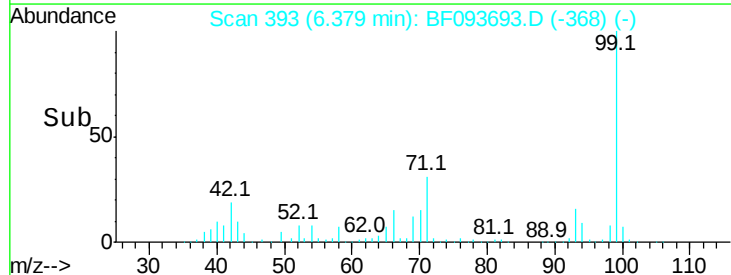
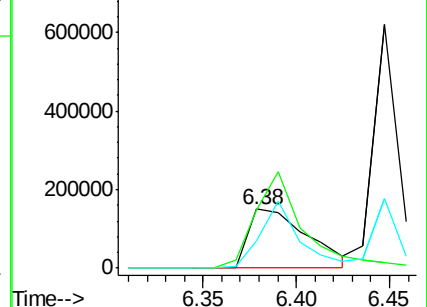
Tgt Ion:	93	Resp:	330294
Ion Ratio	Lower	Upper	
93	100		
66	97.1	76.2	114.2
65	46.0	49.3	73.9#

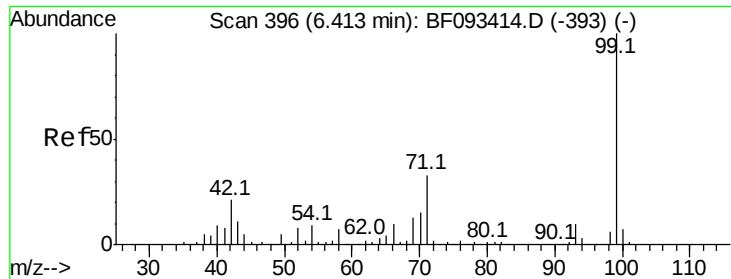


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 96.24 ng

RT: 6.38 min Scan# 393

Delta R.T. 0.00 min

Lab File: BF093693.D

Acq: 16 Mar 2017 5:35

Instrument :

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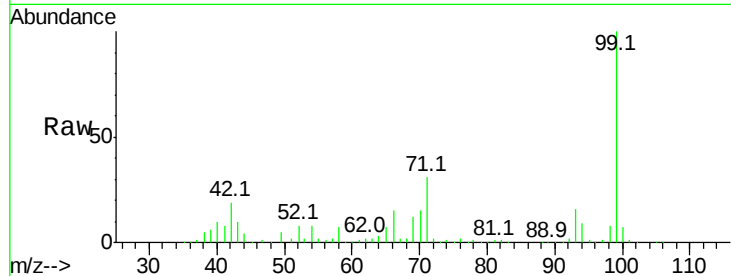
Tot Ion: 99 Resp: 1162570

Ion Ratio Lower Upper

99 100

42 19.1 15.6 23.4

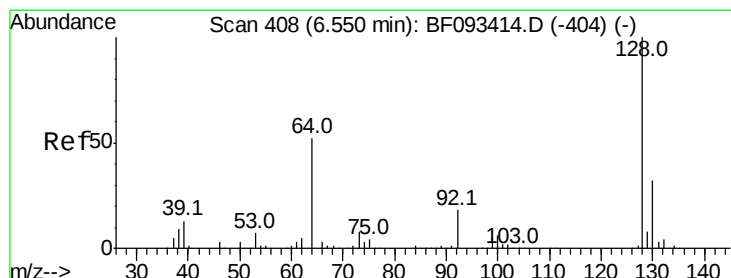
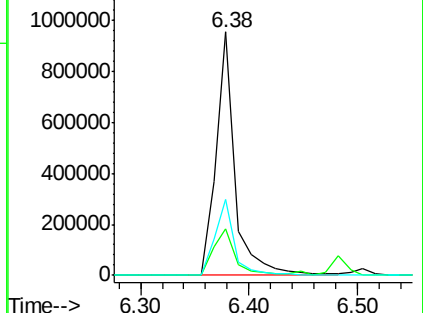
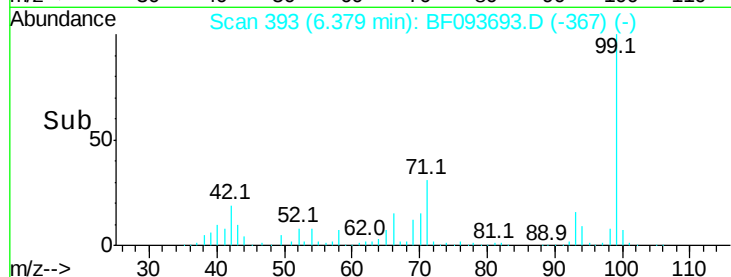
71 31.0 27.5 41.3



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: 45.23 ng

RT: 6.50 min Scan# 404

Delta R.T. 0.00 min

Lab File: BF093693.D

Acq: 16 Mar 2017 5:35

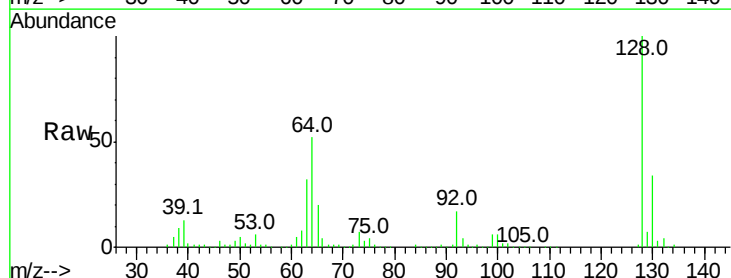
Tgt Ion:128 Resp: 485444

Ion Ratio Lower Upper

128 100

130 33.5 12.3 52.3

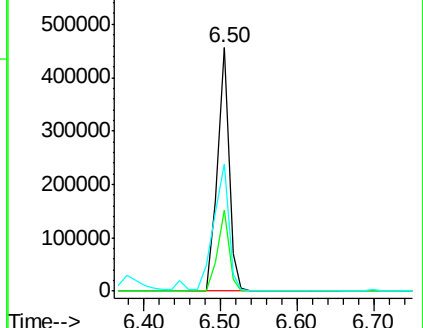
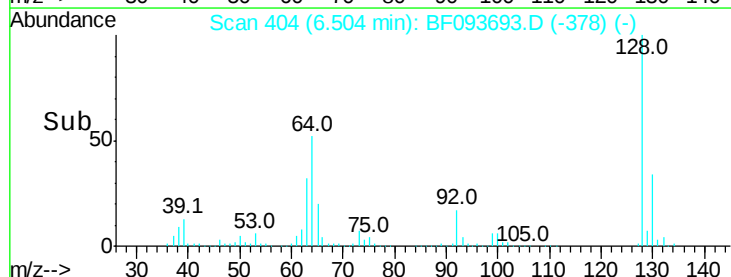
64 52.0 32.2 72.2

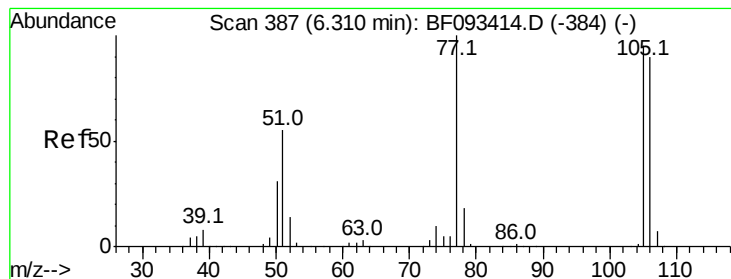


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 36.68 ng

RT: 6.25 min Scan# 382

Delta R.T. -0.02 min

Lab File: BF093693.D

Acq: 16 Mar 2017 5:35

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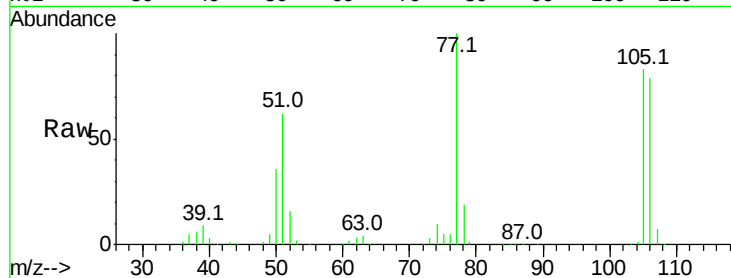
Tot Ion: 77 Resp: 280315

Ion Ratio Lower Upper

77 100

105 82.7 83.9 123.9#

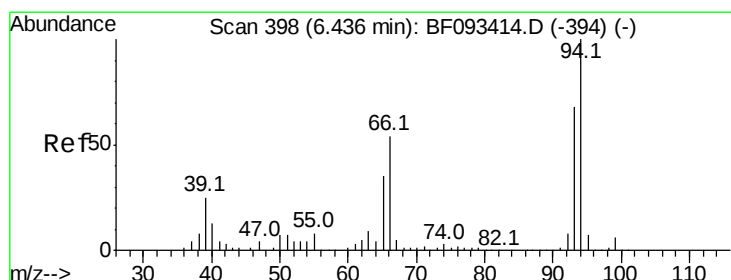
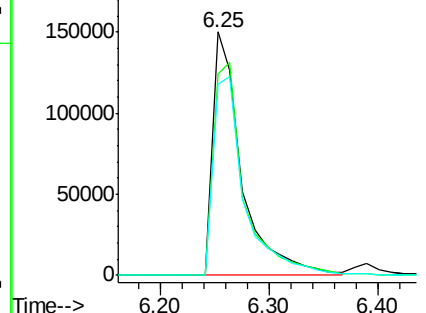
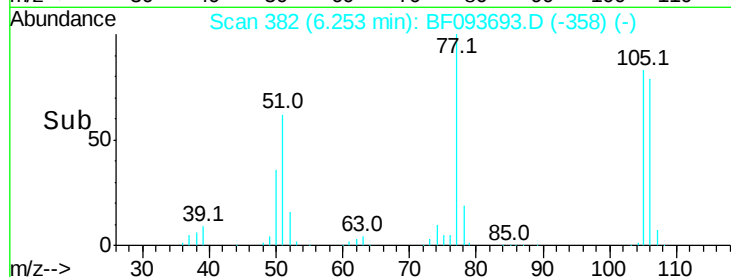
106 78.6 77.6 117.6



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: 48.28 ng

RT: 6.39 min Scan# 394

Delta R.T. -0.01 min

Lab File: BF093693.D

Acq: 16 Mar 2017 5:35

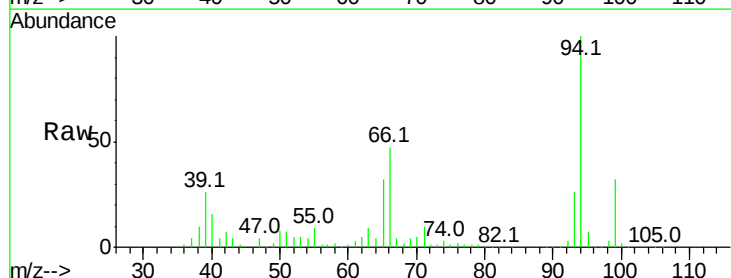
Tgt Ion: 94 Resp: 714644

Ion Ratio Lower Upper

94 100

65 32.2 21.4 61.4

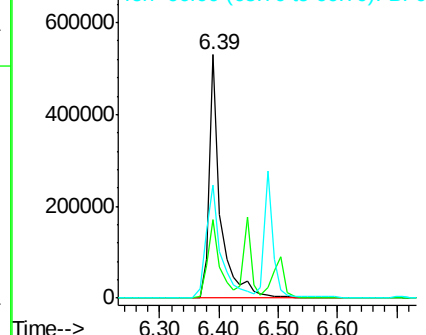
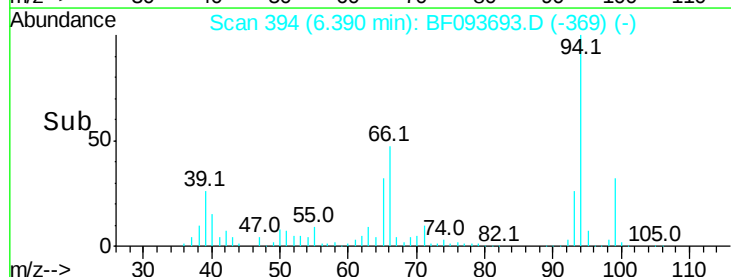
66 46.5 44.0 84.0



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

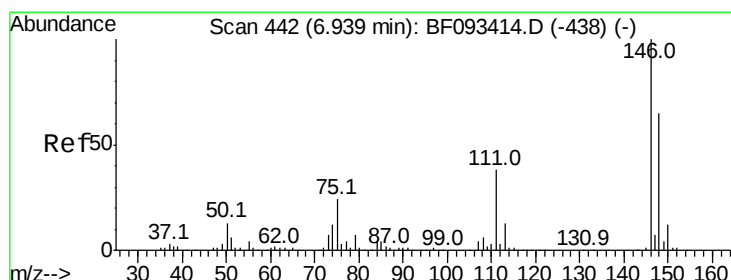
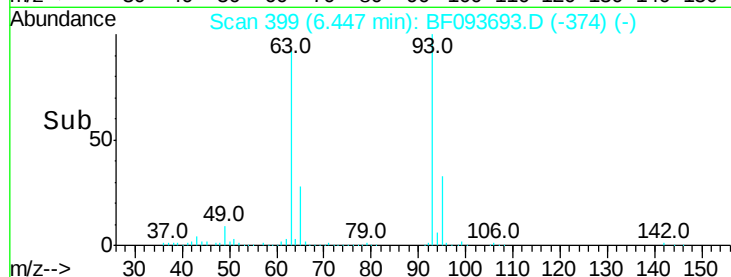
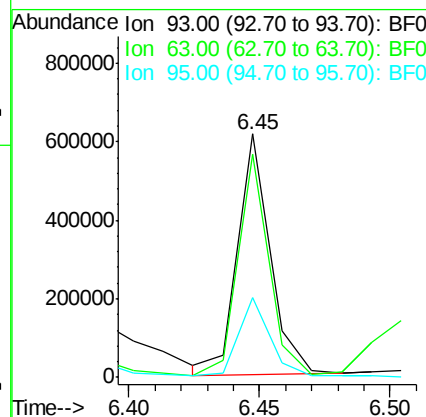
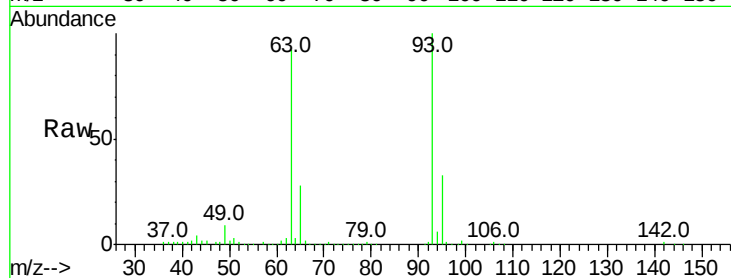




#11
 bis(2-Chloroethyl)ether
 Concen: 44.96 ng
 RT: 6.45 min Scan# 399
 Delta R.T. -0.01 min
 Lab File: BF093693.D
 Acq: 16 Mar 2017 5:35

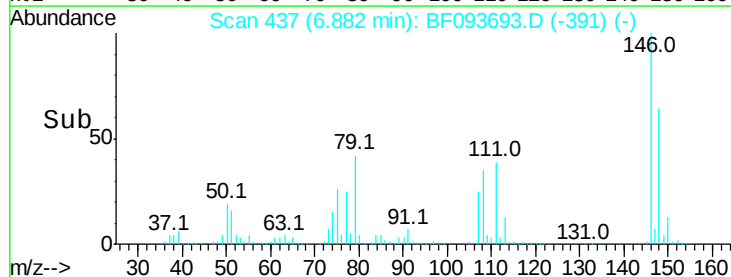
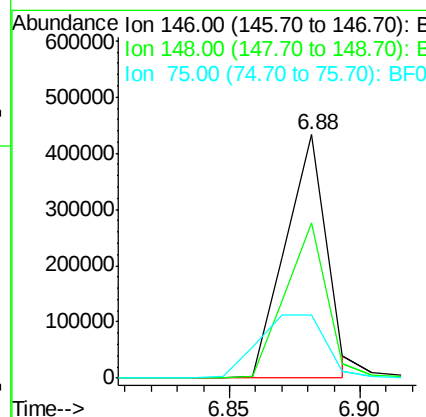
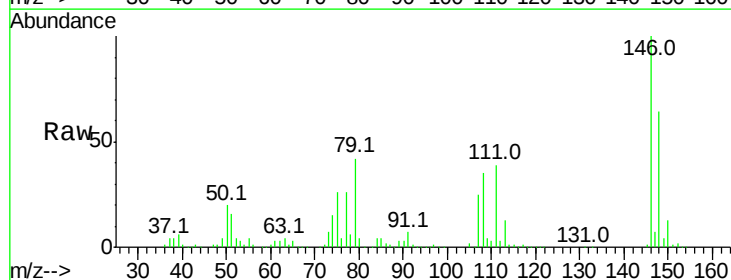
Instrument :
 BNA_F
 ClientSampleId :
 PB97590BS

Tot Ion: 93 Resp: 537898
 Ion Ratio Lower Upper
 93 100
 63 91.5 60.4 100.4
 95 32.6 12.8 52.8



#12
 1,3-Dichlorobenzene
 Concen: 38.38 ng
 RT: 6.88 min Scan# 437
 Delta R.T. 0.23 min
 Lab File: BF093693.D
 Acq: 16 Mar 2017 5:35

Tgt Ion: 146 Resp: 471464
 Ion Ratio Lower Upper
 146 100
 148 63.7 53.4 80.0
 75 25.8 18.5 27.7

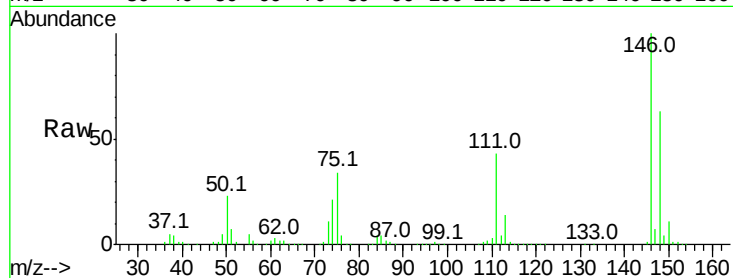




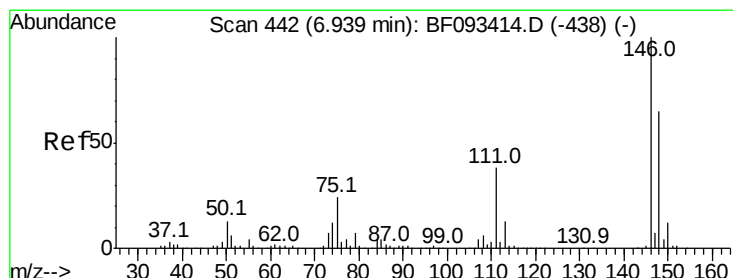
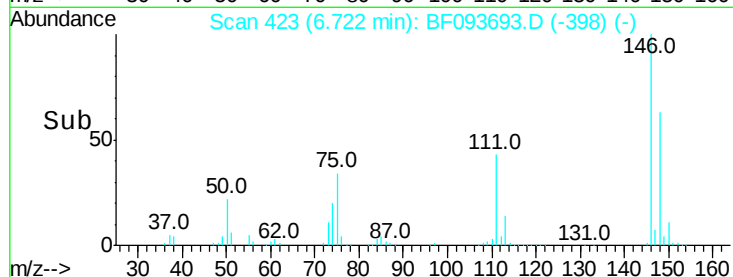
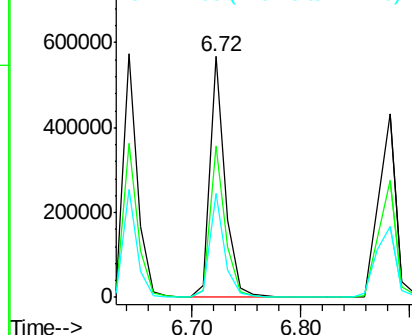
#13
 1,4-Dichlorobenzene
 Concen: 44.16 ng
 RT: 6.72 min Scan# 423
 Delta R.T. -0.01 min
 Lab File: BF093693.D
 Acq: 16 Mar 2017 5:35

Instrument :
 BNA_F
 ClientSampleId :
 PB97590BS

Tot Ion:146 Resp: 555465
 Ion Ratio Lower Upper
 146 100
 148 63.0 50.6 76.0
 111 43.0 36.2 54.4

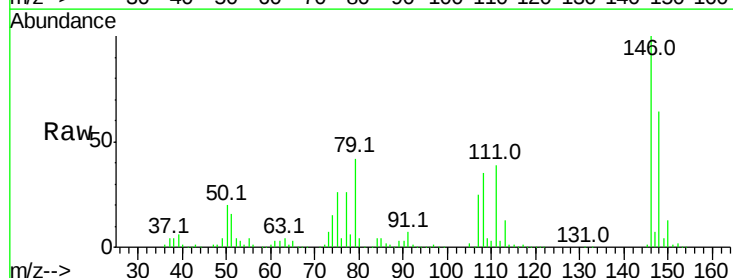


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

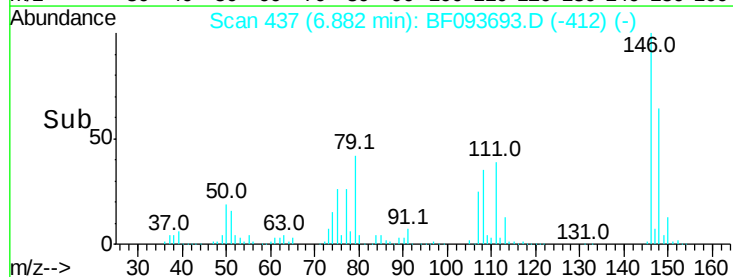
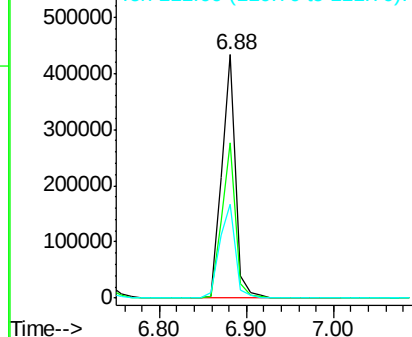


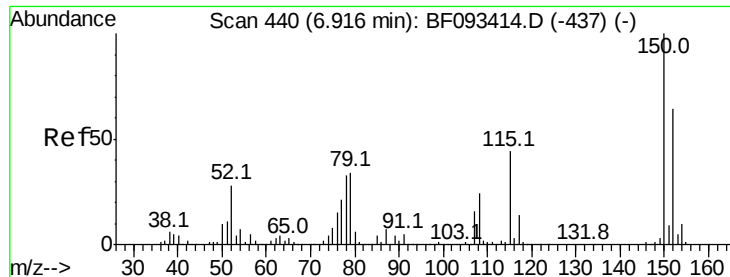
#14
 1,2-Dichlorobenzene
 Concen: 43.57 ng
 RT: 6.88 min Scan# 437
 Delta R.T. -0.01 min
 Lab File: BF093693.D
 Acq: 16 Mar 2017 5:35

Tgt Ion:146 Resp: 485362
 Ion Ratio Lower Upper
 146 100
 148 63.7 52.2 78.2
 111 38.7 36.2 54.2



Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

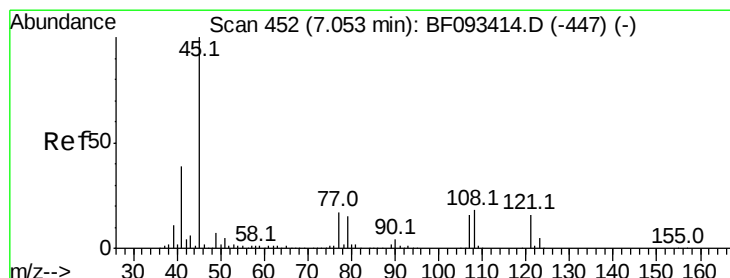
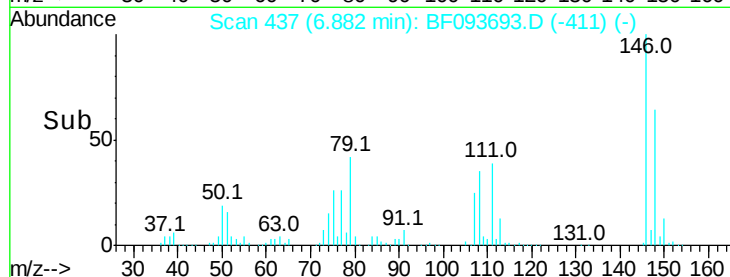
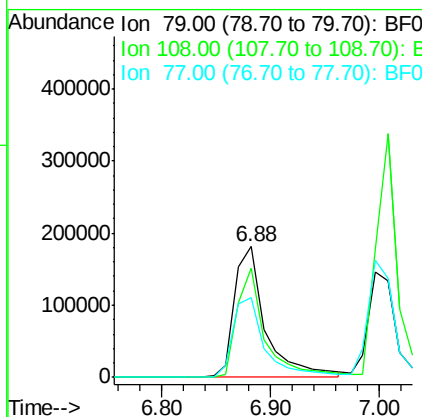
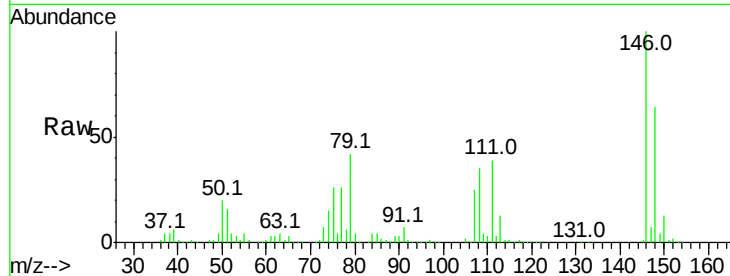




#15
Benzyl Alcohol
Concen: 41.42 ng
RT: 6.88 min Scan# 437
Delta R.T. 0.00 min
Lab File: BF093693.D
Acq: 16 Mar 2017 5:35

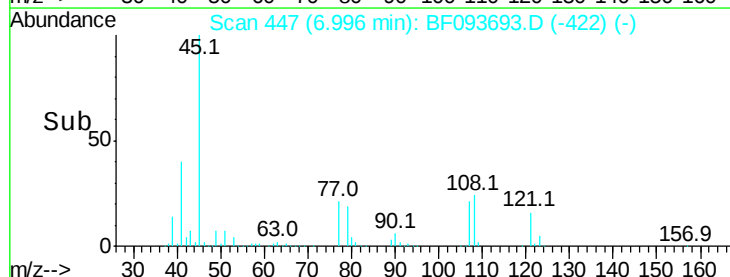
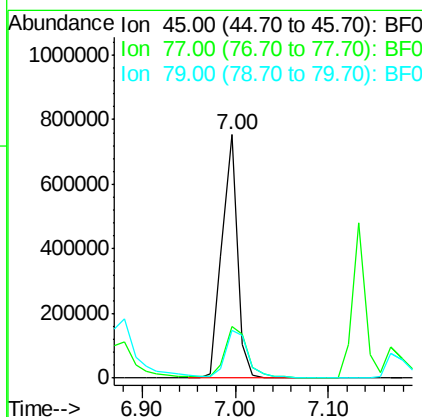
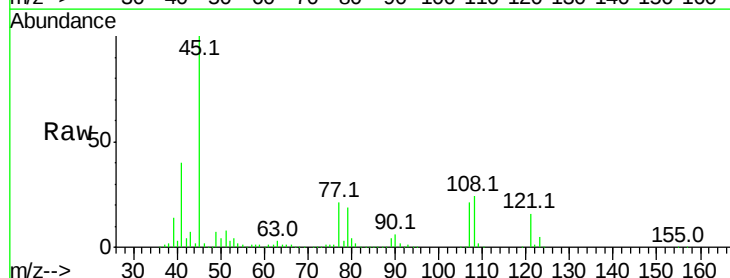
Instrument :
BNA_F
ClientSampleID :
PB97590BS

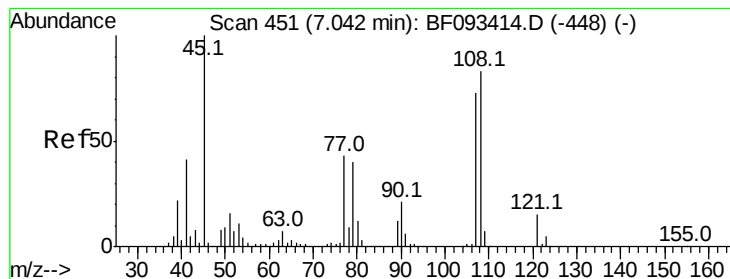
Tot Ion: 79 Resp: 356700
Ion Ratio Lower Upper
79 100
108 83.4 61.4 92.0
77 61.4 50.9 76.3



#16
2,2'-oxybis(1-chloropropane)
Concen: 43.60 ng
RT: 7.00 min Scan# 447
Delta R.T. -0.01 min
Lab File: BF093693.D
Acq: 16 Mar 2017 5:35

Tgt Ion: 45 Resp: 866581
Ion Ratio Lower Upper
45 100
77 21.4 0.0 34.6
79 19.5 0.0 31.2





#17

2-Methylphenol

Concen: 42.71 ng

RT: 7.01 min Scan# 448

Delta R.T. 0.00 min

Lab File: BF093693.D

Acq: 16 Mar 2017 5:35

Instrument :

BNA_F

ClientSampleId :

PB97590BS

Tot Ion:107 Resp: 387727

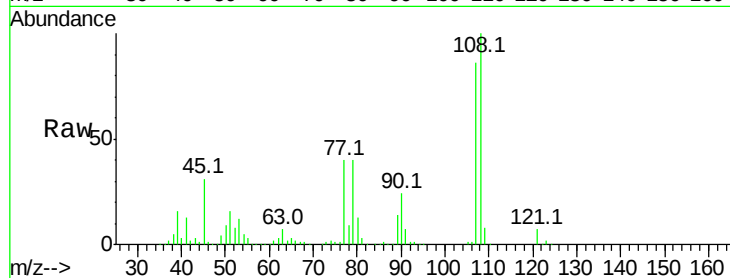
Ion Ratio Lower Upper

107 100

108 115.7 93.0 139.6

77 46.8 39.8 59.8

79 45.9 38.0 57.0

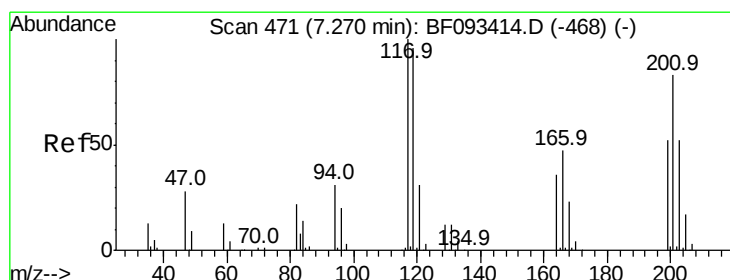
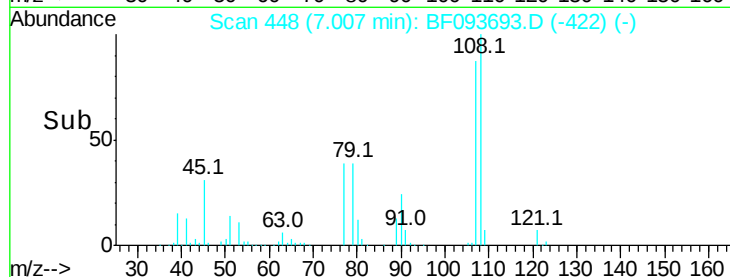
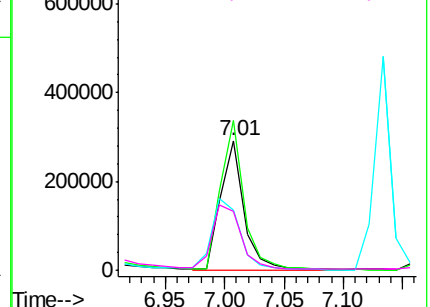


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#18

Hexachloroethane

Concen: 35.52 ng

RT: 7.21 min Scan# 466

Delta R.T. -0.01 min

Lab File: BF093693.D

Acq: 16 Mar 2017 5:35

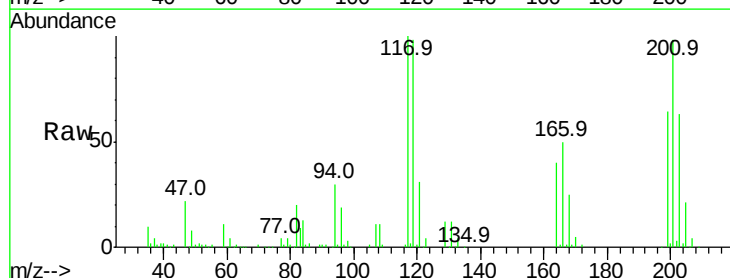
Tgt Ion:117 Resp: 150669

Ion Ratio Lower Upper

117 100

119 97.5 78.1 117.1

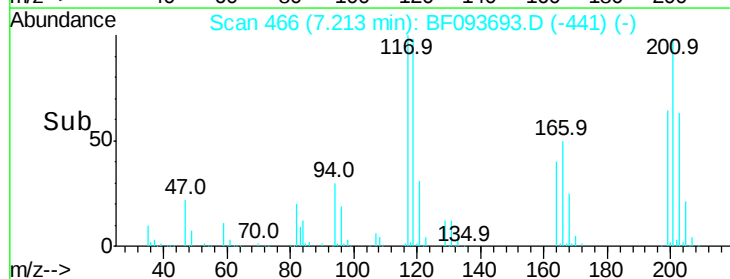
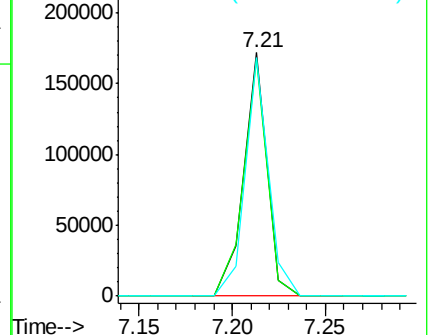
201 98.0 78.6 117.8

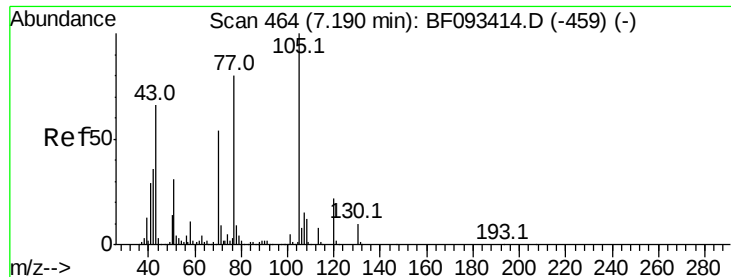


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

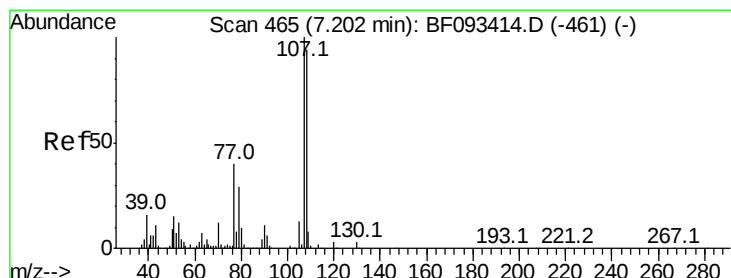
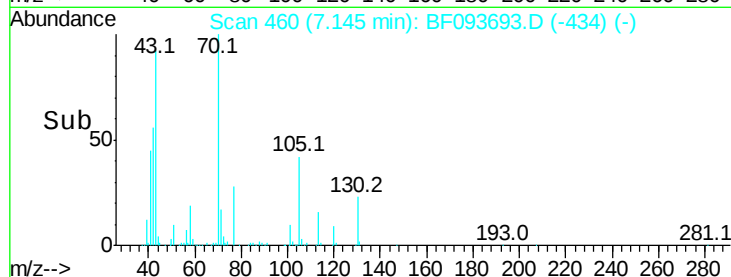
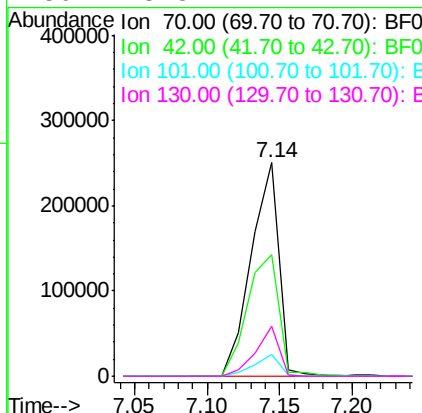
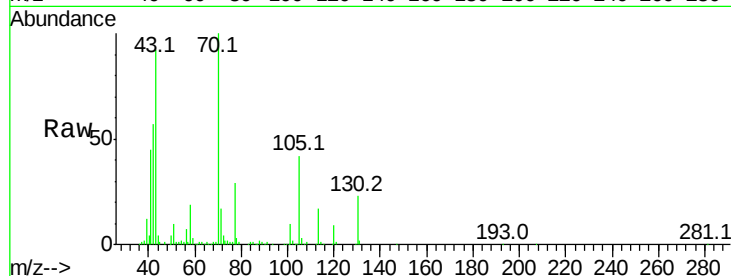




#19
n-Nitroso-di-n-propylamine
Concen: 39.95 ng
RT: 7.14 min Scan# 460
Delta R.T. 0.00 min
Lab File: BF093693.D
Acq: 16 Mar 2017 5:35

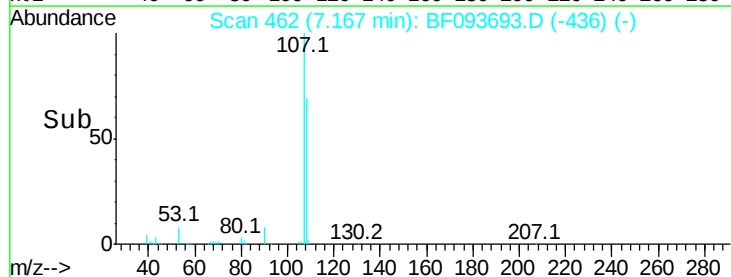
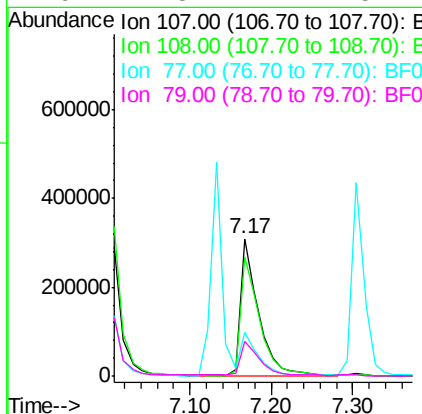
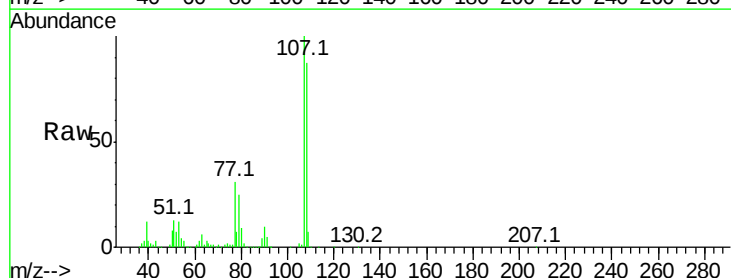
Instrument :
BNA_F
ClientSampleId :
PB97590BS

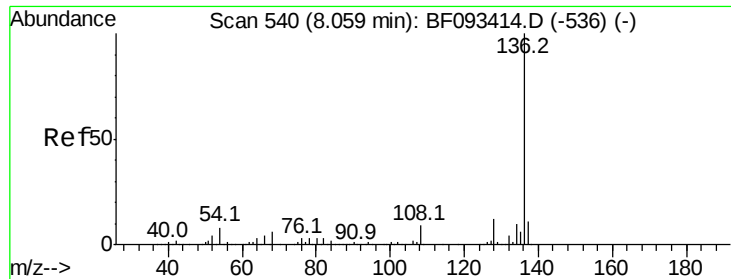
Tot Ion: 70 Resp: 331801
Ion Ratio Lower Upper
70 100
42 57.0 49.4 74.0
101 10.2 7.4 11.2
130 23.3 14.2 21.4#



#20
3+4-Methylphenols
Concen: 40.39 ng
RT: 7.17 min Scan# 462
Delta R.T. 0.00 min
Lab File: BF093693.D
Acq: 16 Mar 2017 5:35

Tgt Ion: 107 Resp: 475503
Ion Ratio Lower Upper
107 100
108 86.9 73.0 113.0
77 31.4 71.3 111.3#
79 24.8 11.1 51.1





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.00 min Scan# 535

Delta R.T. -0.01 min

Lab File: BF093693.D

Acq: 16 Mar 2017 5:35

Instrument :

BNA_F

ClientSampleId :

PB97590BS

Tot Ion:136 Resp: 571671

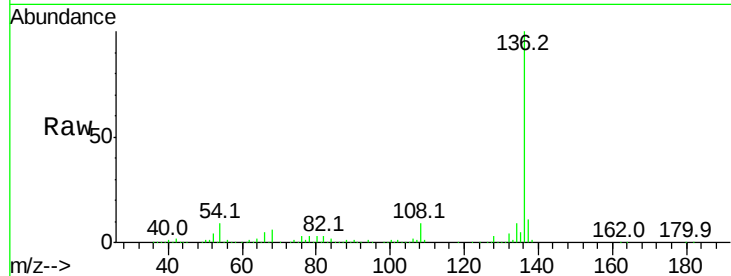
Ion Ratio Lower Upper

136 100

137 10.8 8.4 12.6

54 8.6 4.5 6.7#

68 6.2 3.6 5.4#

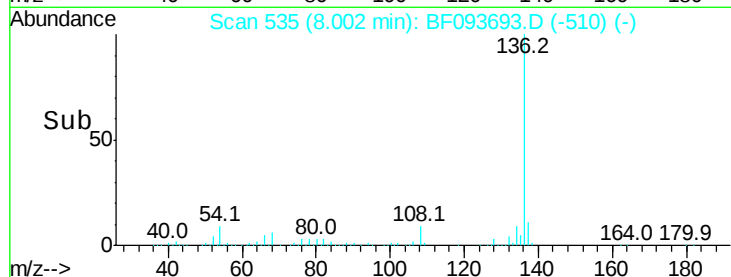


Abundance Ion 136.00 (135.70 to 136.70): E

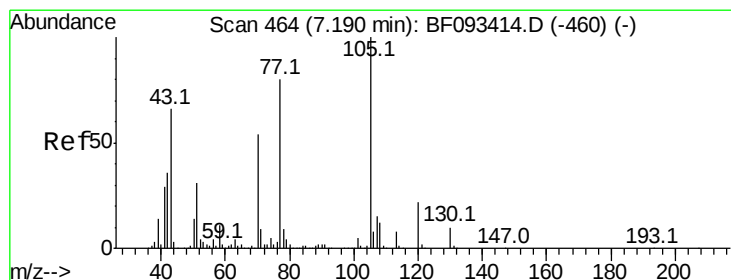
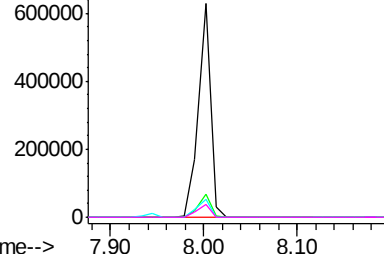
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#22

Acetophenone

Concen: 44.05 ng

RT: 7.13 min Scan# 459

Delta R.T. -0.01 min

Lab File: BF093693.D

Acq: 16 Mar 2017 5:35

Tgt Ion:105 Resp: 605933

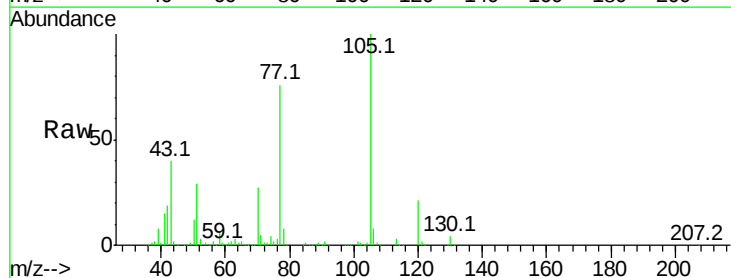
Ion Ratio Lower Upper

105 100

71 4.6 3.2 4.8

51 28.7 26.2 39.4

120 21.4 16.6 24.8

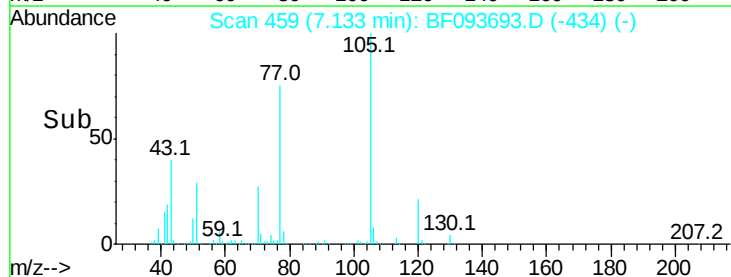


Abundance Ion 105.00 (104.70 to 105.70): E

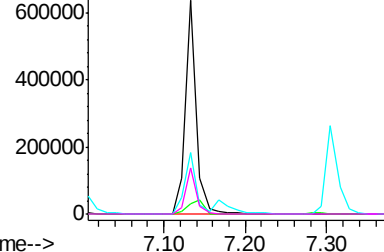
Ion 71.00 (70.70 to 71.70): BF0

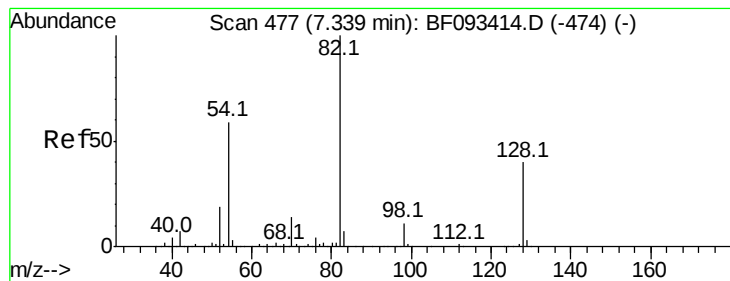
Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



Time-->





#23

Nitrobenzene-d5

Concen: 86.97 ng

RT: 7.29 min Scan# 473

Delta R.T. -0.01 min

Lab File: BF093693.D

Acq: 16 Mar 2017 5:35

Instrument :

BNA_F

ClientSampleId :

PB97590BS

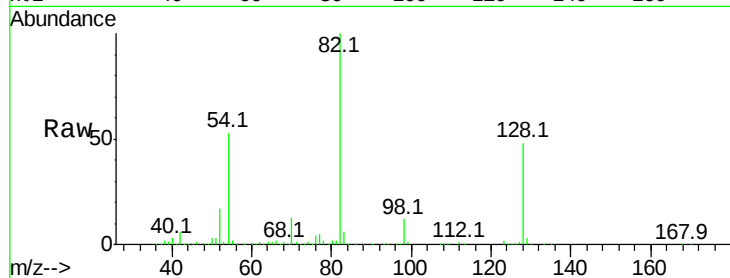
Tot Ion: 82 Resp: 896079

Ion Ratio Lower Upper

82 100

128 47.8 34.6 52.0

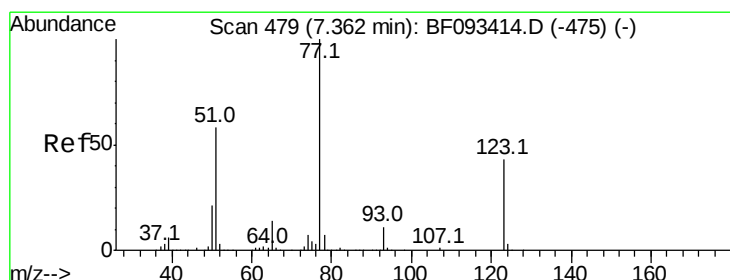
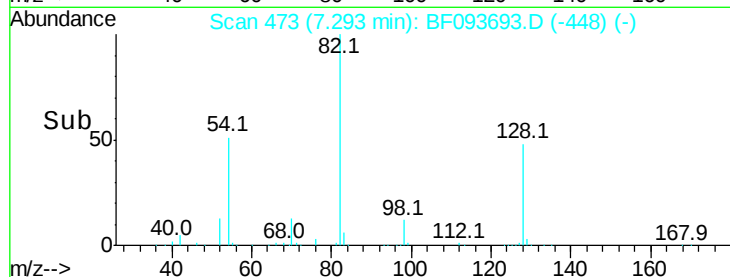
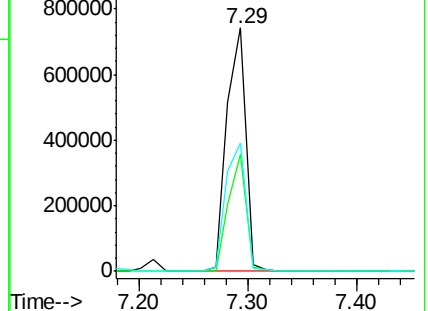
54 52.8 39.5 59.3



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#24

Nitrobenzene

Concen: 38.83 ng

RT: 7.30 min Scan# 474

Delta R.T. -0.01 min

Lab File: BF093693.D

Acq: 16 Mar 2017 5:35

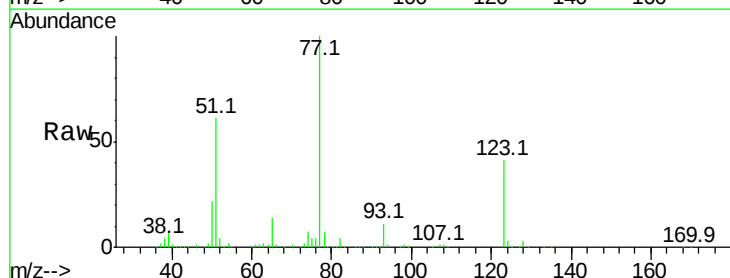
Tgt Ion: 77 Resp: 449648

Ion Ratio Lower Upper

77 100

123 41.3 33.0 49.4

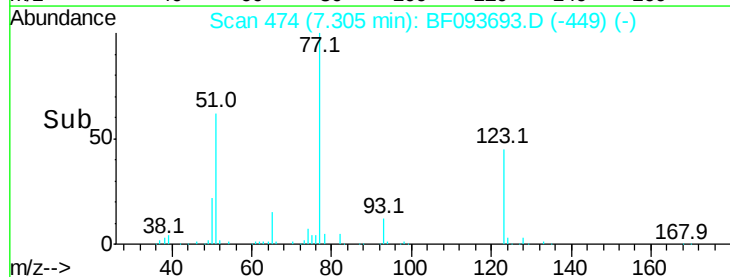
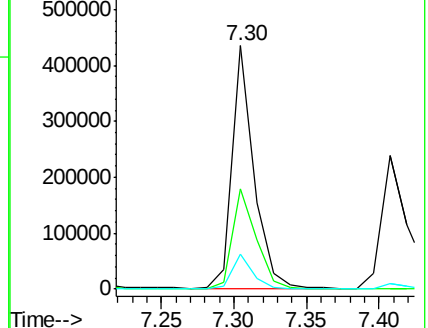
65 14.2 11.2 16.8

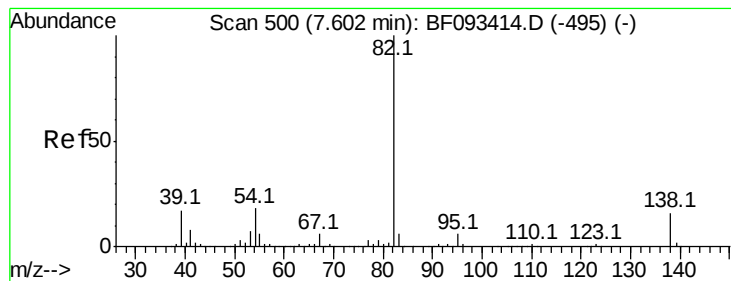


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 37.28 ng

RT: 7.54 min Scan# 495

Delta R.T. -0.01 min

Lab File: BF093693.D

Acq: 16 Mar 2017 5:35

Instrument :

BNA_F

ClientSampleId :

PB97590BS

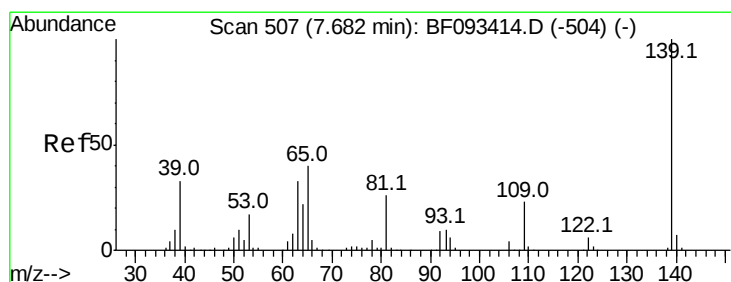
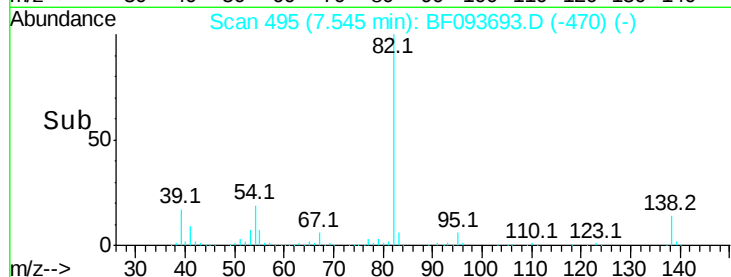
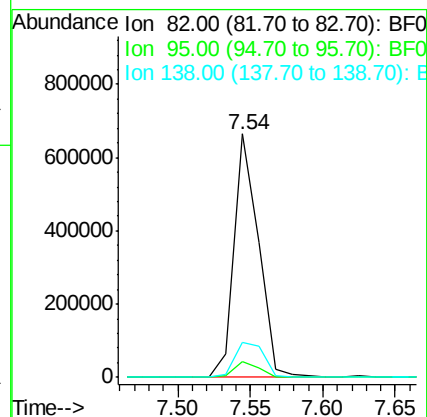
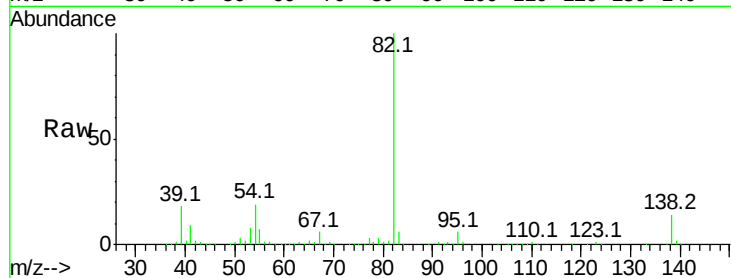
Tot Ion: 82 Resp: 774611

Ion Ratio Lower Upper

82 100

95 6.2 5.6 8.4

138 14.2 14.6 22.0#



#26

2-Nitrophenol

Concen: 41.25 ng

RT: 7.62 min Scan# 502

Delta R.T. -0.01 min

Lab File: BF093693.D

Acq: 16 Mar 2017 5:35

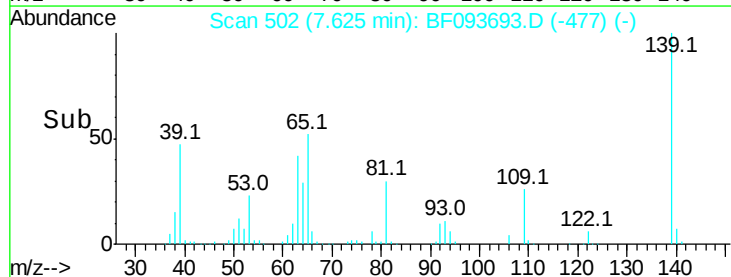
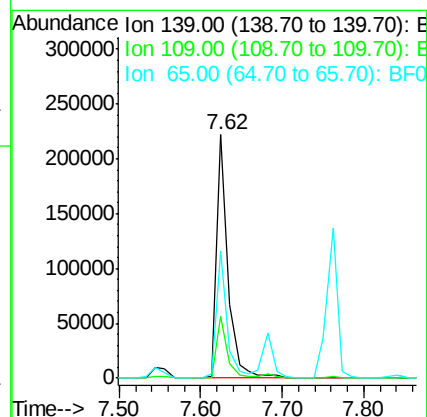
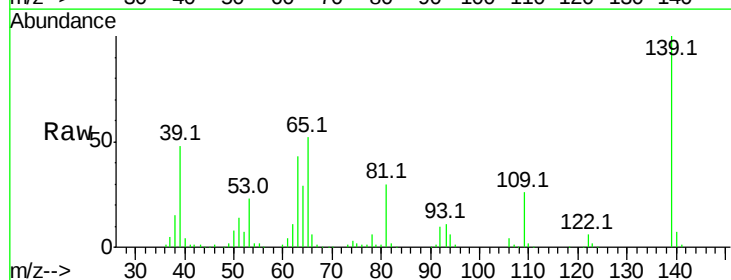
Tgt Ion: 139 Resp: 217910

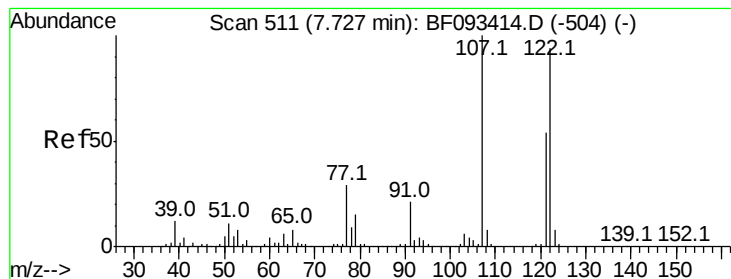
Ion Ratio Lower Upper

139 100

109 25.7 23.3 34.9

65 52.2 42.7 64.1





#27

2,4-Dimethylphenol

Concen: 44.12 ng

RT: 7.68 min Scan# 507

Delta R.T. 0.00 min

Lab File: BF093693.D

Acq: 16 Mar 2017 5:35

Instrument :

BNA_F

ClientSampleId :

PB97590BS

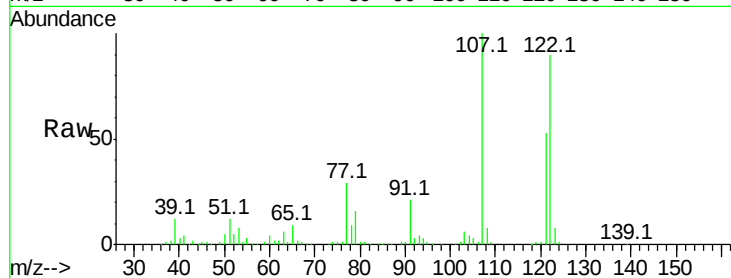
Tot Ion:122 Resp: 379207

Ion Ratio Lower Upper

122 100

107 111.1 94.1 141.1

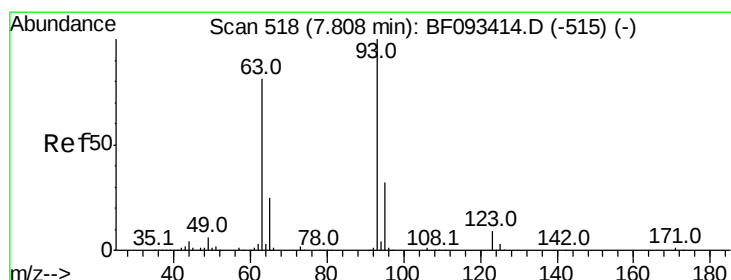
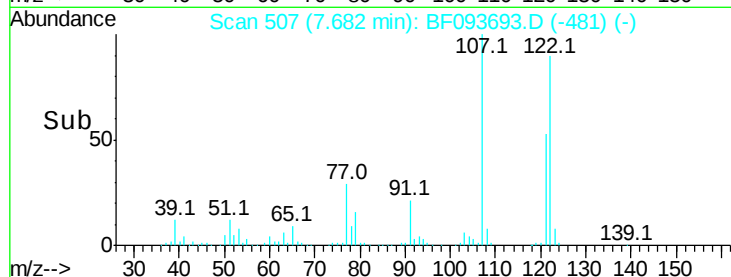
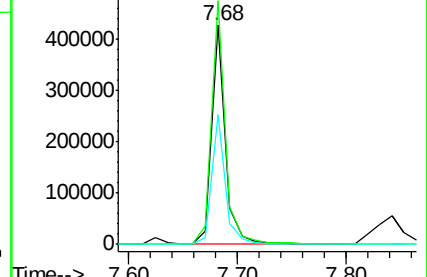
121 58.9 46.0 69.0



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 43.90 ng

RT: 7.76 min Scan# 514

Delta R.T. -0.01 min

Lab File: BF093693.D

Acq: 16 Mar 2017 5:35

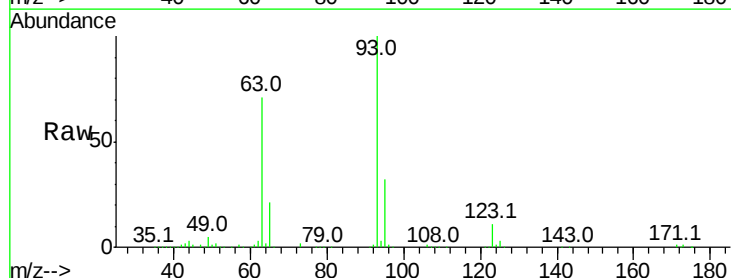
Tgt Ion: 93 Resp: 575836

Ion Ratio Lower Upper

93 100

95 32.5 26.5 39.7

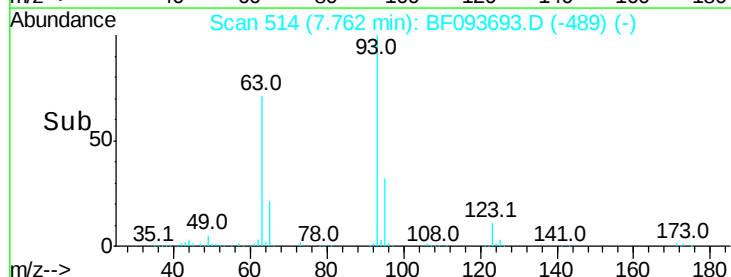
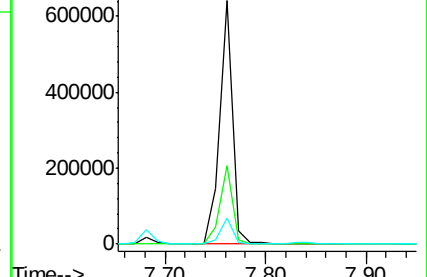
123 10.9 8.6 13.0

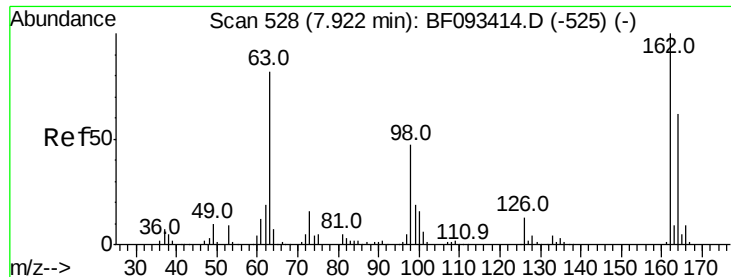


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

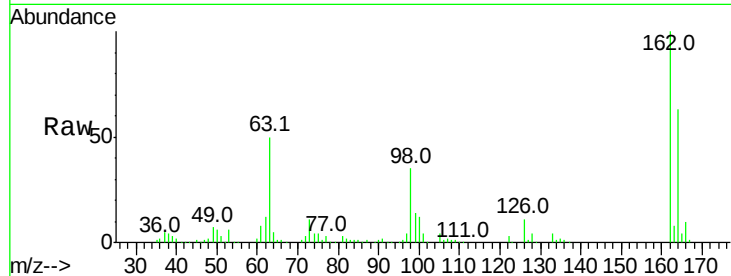




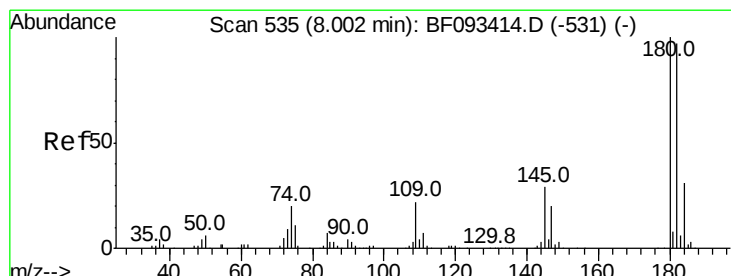
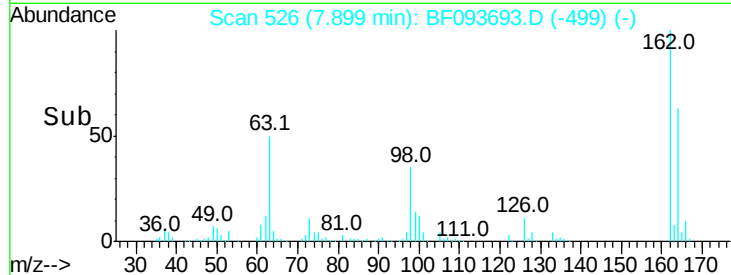
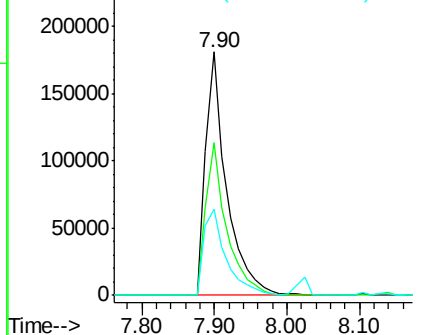
#29
 2,4-Dichlorophenol
 Concen: 44.73 ng
 RT: 7.90 min Scan# 526
 Delta R.T. 0.01 min
 Lab File: BF093693.D
 Acq: 16 Mar 2017 5:35

Instrument :
 BNA_F
 ClientSampleId :
 PB97590BS

Tot Ion:162	Resp:	361634
Ion Ratio	Lower	Upper
162	100	
164	62.9	46.8 86.8
98	35.2	9.1 49.1

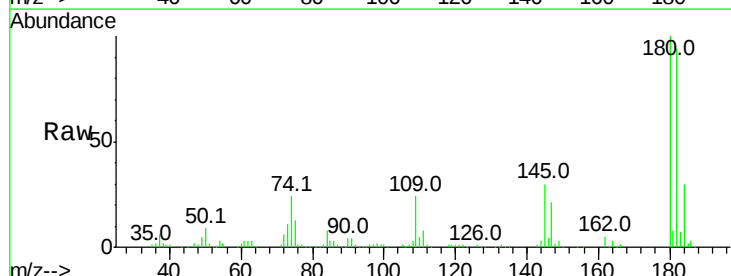


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

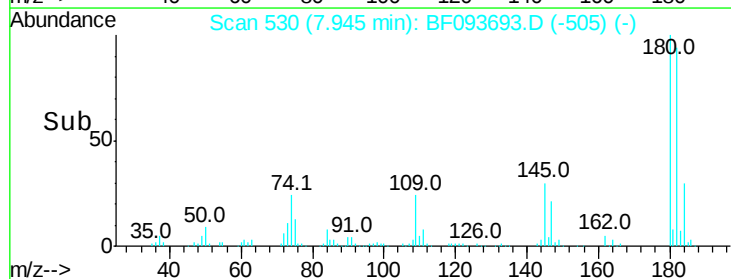
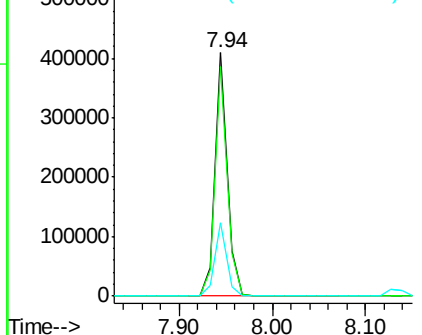


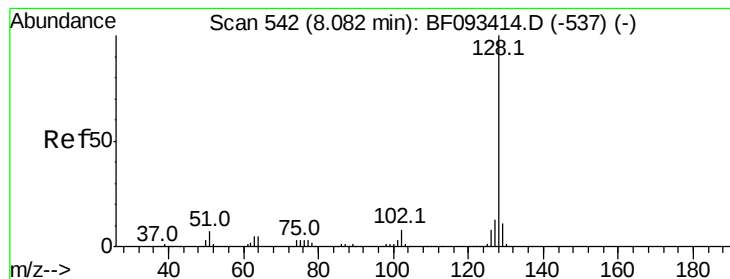
#30
 1,2,4-Trichlorobenzene
 Concen: 42.99 ng
 RT: 7.94 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: BF093693.D
 Acq: 16 Mar 2017 5:35

Tgt Ion:180	Resp:	369622
Ion Ratio	Lower	Upper
180	100	
182	94.4	78.2 117.4
145	30.4	21.6 32.4



Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 41.37 ng

RT: 8.02 min Scan# 537

Delta R.T. -0.01 min

Lab File: BF093693.D

Acq: 16 Mar 2017 5:35

Instrument :

BNA_F

ClientSampleId :

PB97590BS

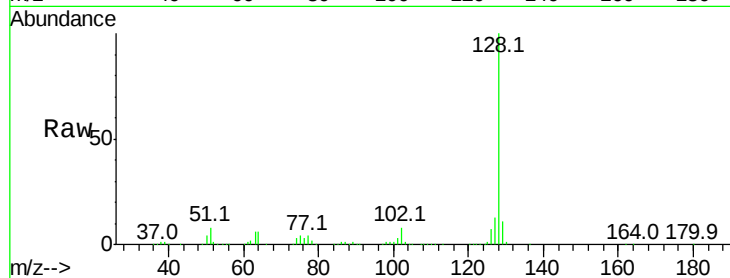
Tot Ion:128 Resp: 1185315

Ion Ratio Lower Upper

128 100

129 10.9 9.5 14.3

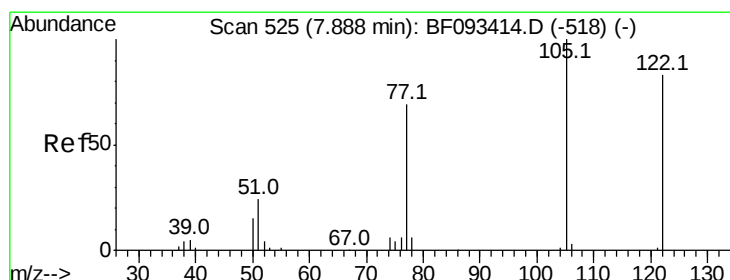
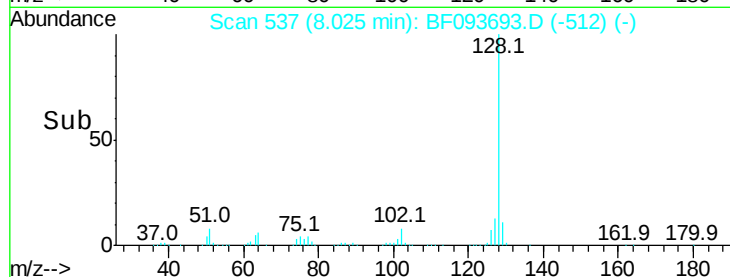
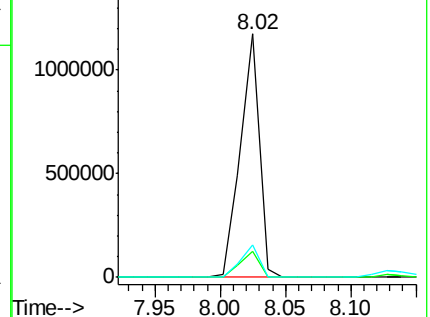
127 13.5 10.8 16.2



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: 27.66 ng

RT: 7.84 min Scan# 521

Delta R.T. -0.01 min

Lab File: BF093693.D

Acq: 16 Mar 2017 5:35

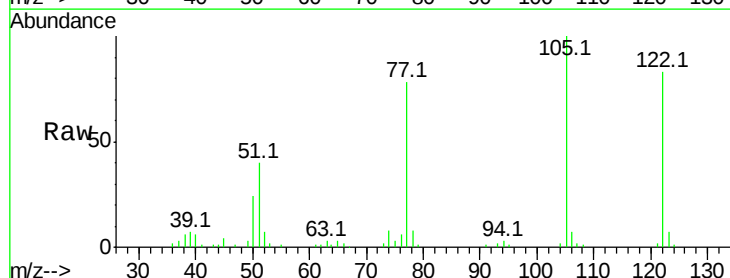
Tgt Ion:122 Resp: 123551

Ion Ratio Lower Upper

122 100

105 120.9 107.2 147.2

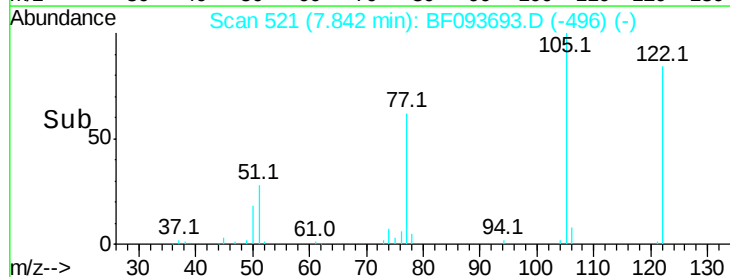
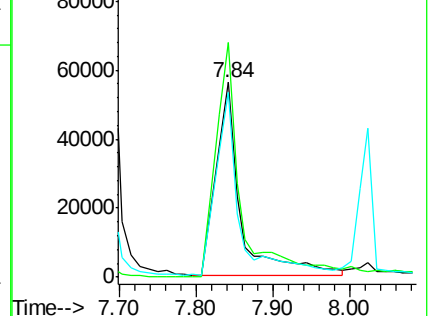
77 94.9 74.5 114.5

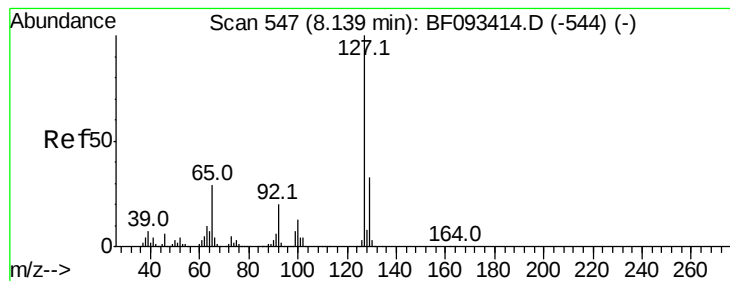


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





#33

4-Chloroaniline

Concen: 9.34 ng

RT: 8.13 min Scan# 546

Delta R.T. 0.03 min

Lab File: BF093693.D

Acq: 16 Mar 2017 5:35

Instrument :

BNA_F

ClientSampleId :

PB97590BS

Tot Ion:127 Resp: 108529

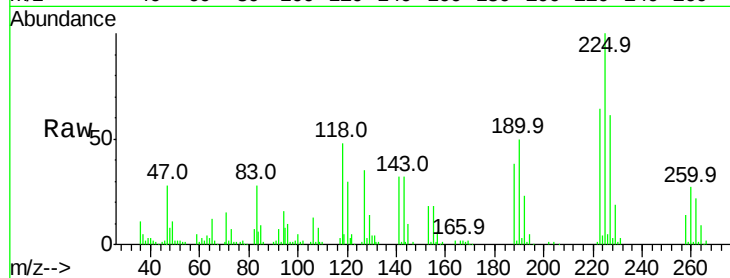
Ion Ratio Lower Upper

127 100

129 38.8 26.3 39.5

65 32.9 25.8 38.8

92 20.2 16.1 24.1

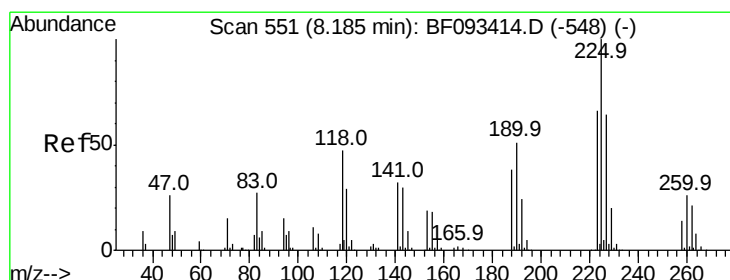
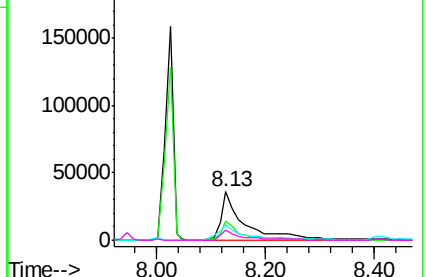
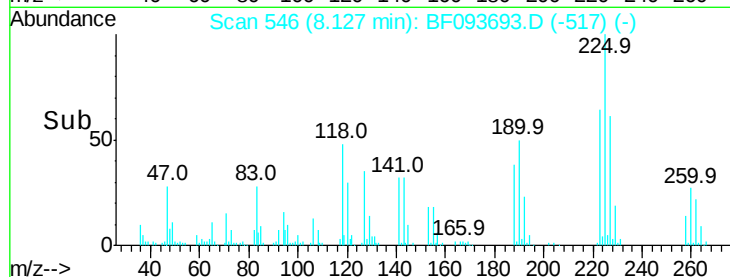


Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0



#34

Hexachlorobutadiene

Concen: 44.86 ng

RT: 8.14 min Scan# 547

Delta R.T. 0.00 min

Lab File: BF093693.D

Acq: 16 Mar 2017 5:35

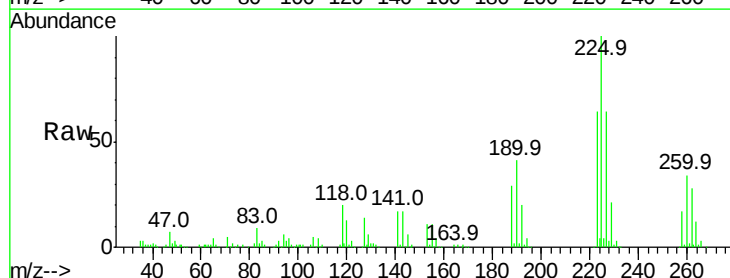
Tgt Ion:225 Resp: 198695

Ion Ratio Lower Upper

225 100

223 63.7 51.0 76.6

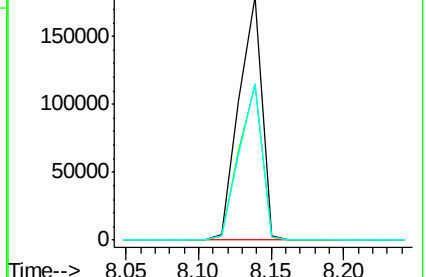
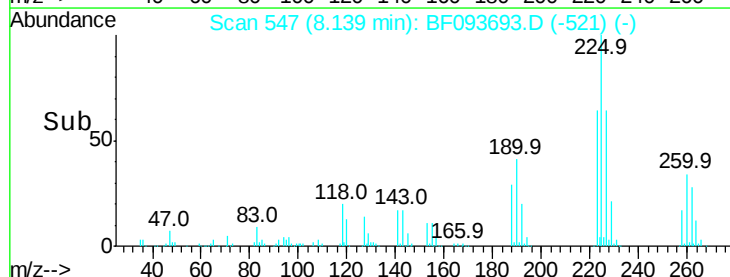
227 64.2 50.6 76.0

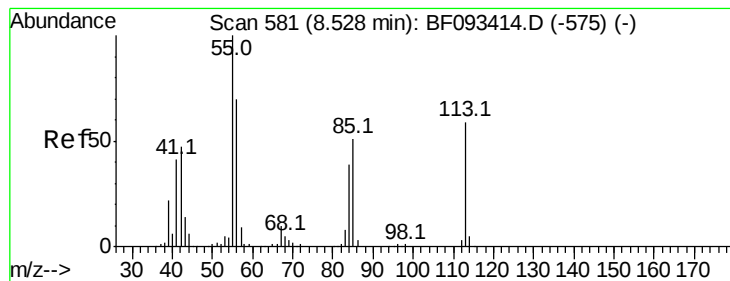


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 37.23 ng

RT: 8.47 min Scan# 576

Delta R.T. 0.00 min

Lab File: BF093693.D

Acq: 16 Mar 2017 5:35

Instrument :

BNA_F

ClientSampleId :

PB97590BS

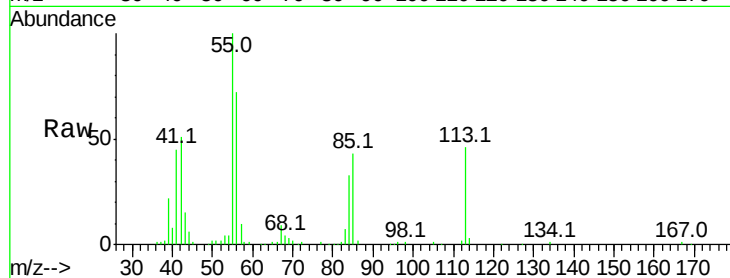
Tot Ion:113 Resp: 102814

Ion Ratio Lower Upper

113 100

55 219.4 119.2 159.2#

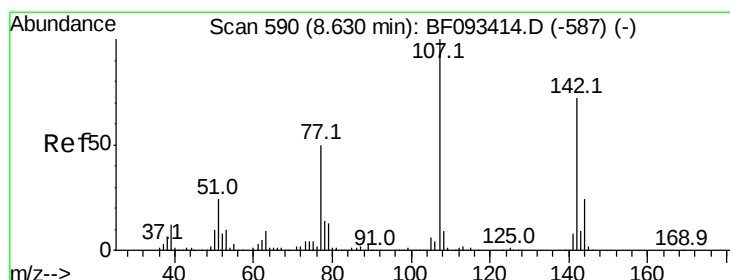
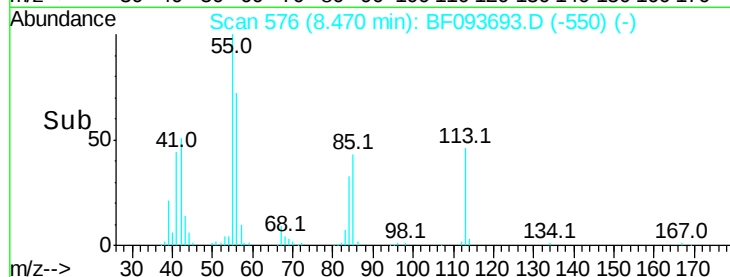
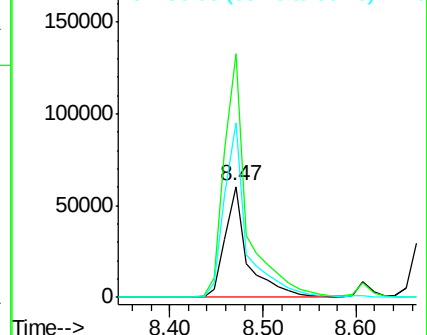
56 157.4 83.8 123.8#



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: 38.05 ng

RT: 8.61 min Scan# 588

Delta R.T. 0.01 min

Lab File: BF093693.D

Acq: 16 Mar 2017 5:35

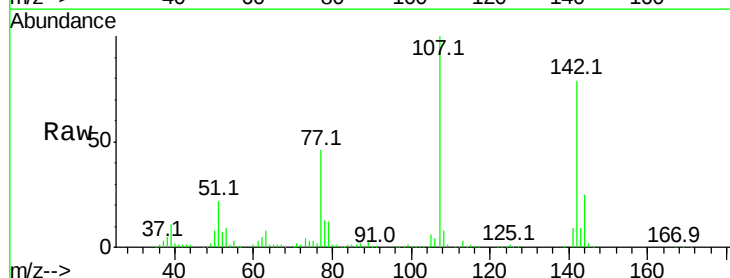
Tgt Ion:107 Resp: 328337

Ion Ratio Lower Upper

107 100

144 25.2 19.3 28.9

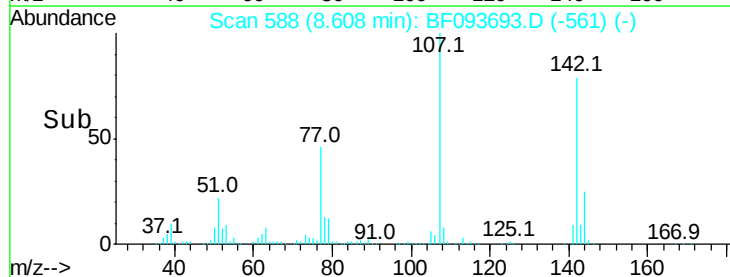
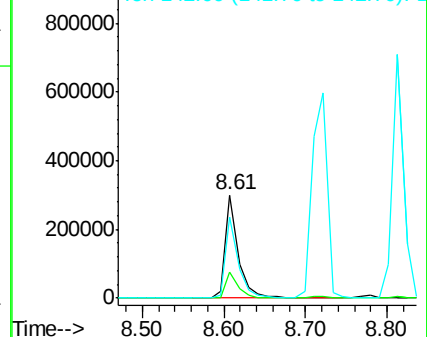
142 78.7 59.0 88.6

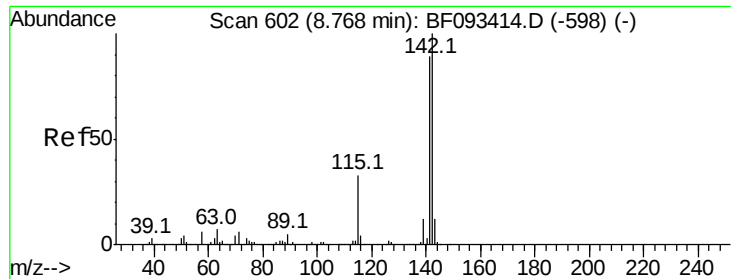


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

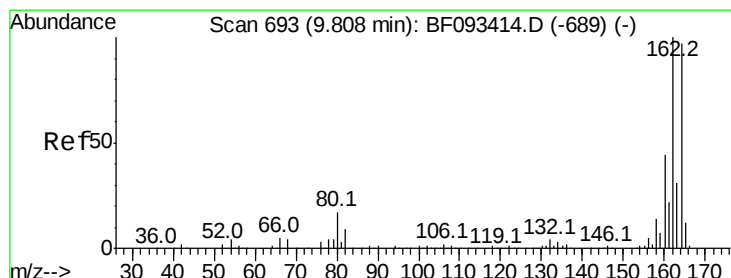
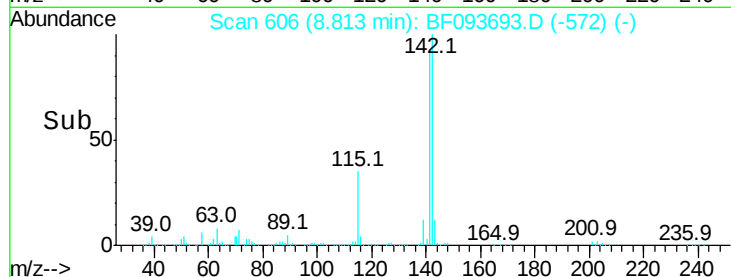
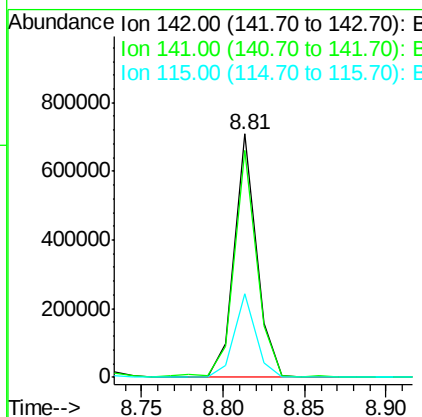
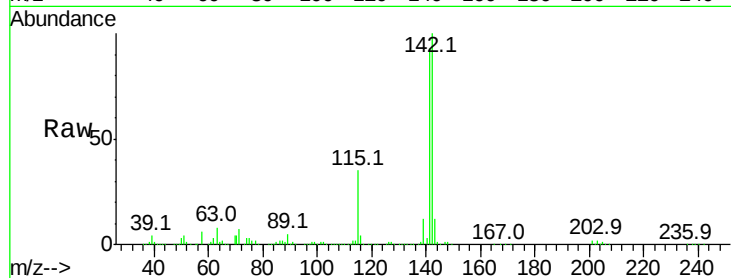




#37
2-Methylnaphthalene
Concen: 36.50 ng
RT: 8.81 min Scan# 606
Delta R.T. 0.09 min
Lab File: BF093693.D
Acq: 16 Mar 2017 5:35

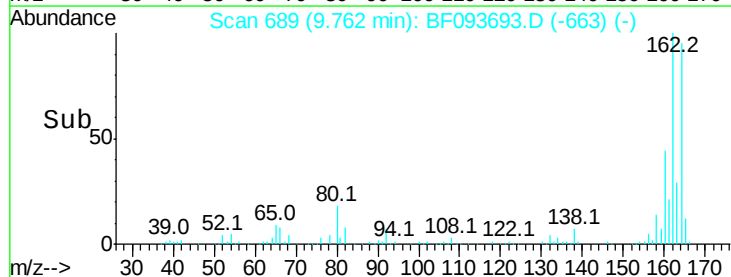
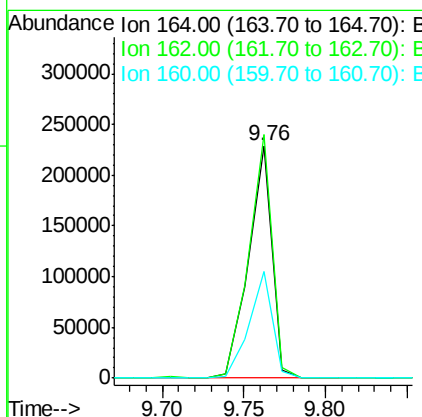
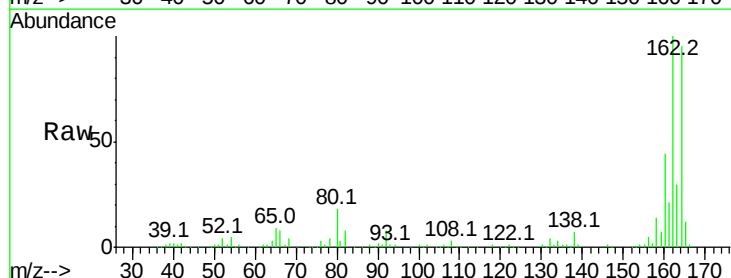
Instrument :
BNA_F
ClientSampleId :
PB97590BS

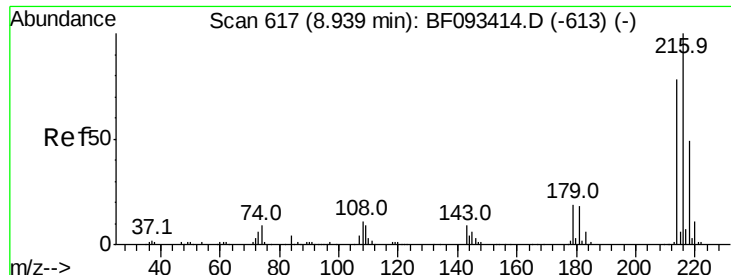
Tot Ion	Ratio	Lower	Upper
142	100		
141	93.1	71.0	106.6
115	34.5	28.3	42.5



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.76 min Scan# 689
Delta R.T. 0.00 min
Lab File: BF093693.D
Acq: 16 Mar 2017 5:35

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.8	80.2	120.2
160	46.0	36.9	55.3

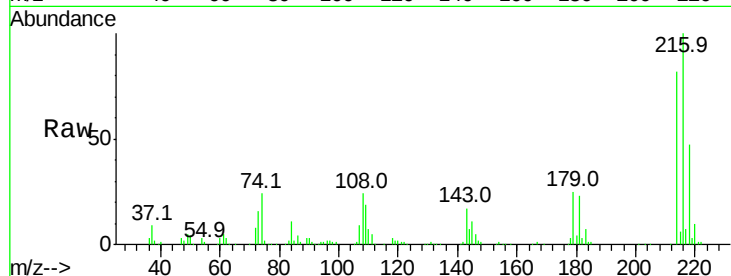




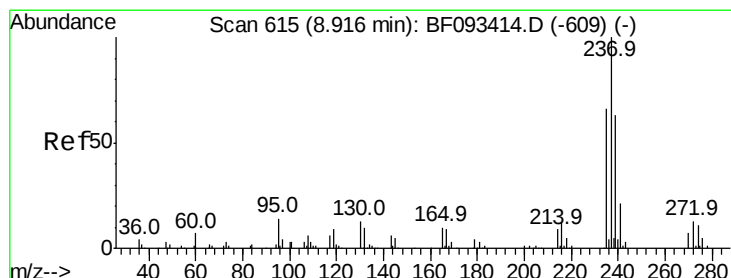
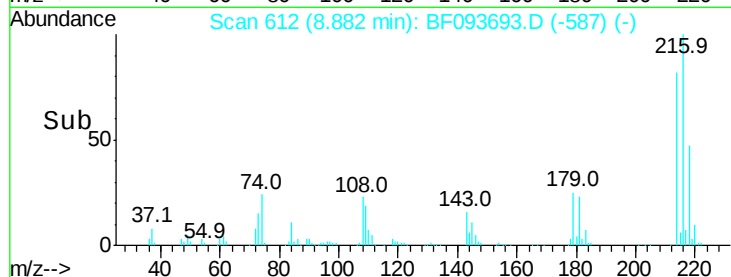
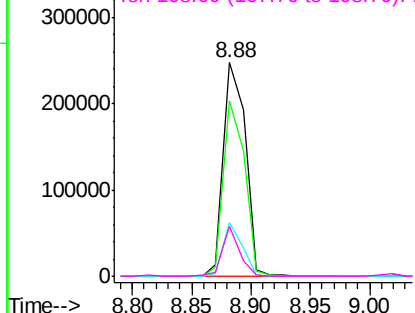
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 51.35 ng
 RT: 8.88 min Scan# 612
 Delta R.T. -0.01 min
 Lab File: BF093693.D
 Acq: 16 Mar 2017 5:35

Instrument :
 BNA_F
 ClientSampleId :
 PB97590BS

Tot Ion:	216	Resp:	318817
Ion	Ratio	Lower	Upper
216	100		
214	78.9	63.4	95.0
179	21.8	17.4	26.2
108	18.3	15.6	23.4

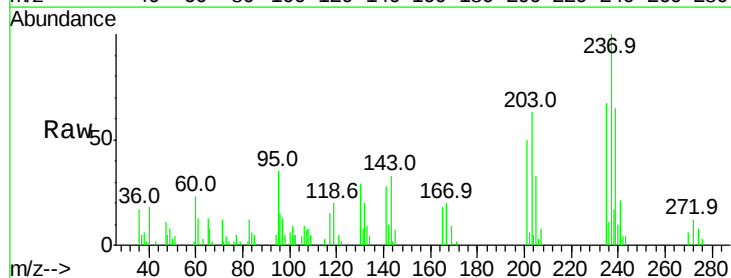


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

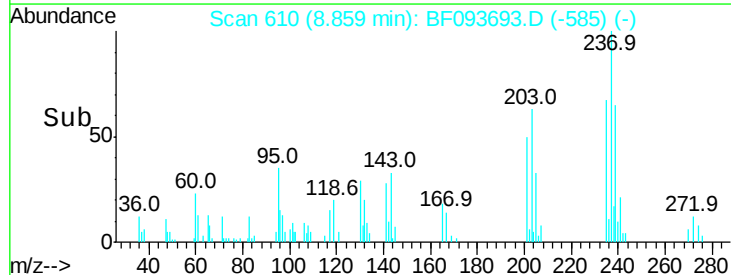
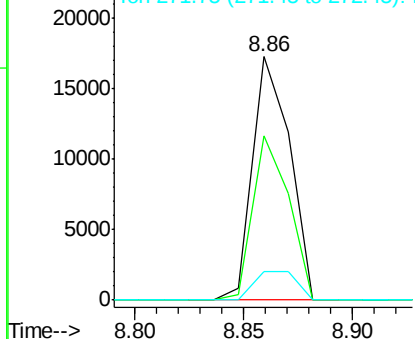


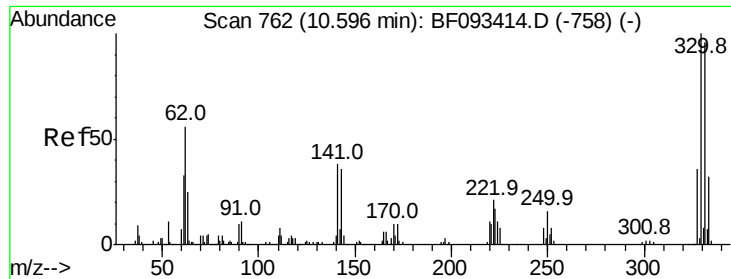
#40
 Hexachlorocyclopentadiene
 Concen: 23.25 ng
 RT: 8.86 min Scan# 610
 Delta R.T. -0.01 min
 Lab File: BF093693.D
 Acq: 16 Mar 2017 5:35

Tgt Ion:	237	Resp:	20605
Ion	Ratio	Lower	Upper
237	100		
235	67.5	41.2	81.2
272	11.6	0.0	35.4



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

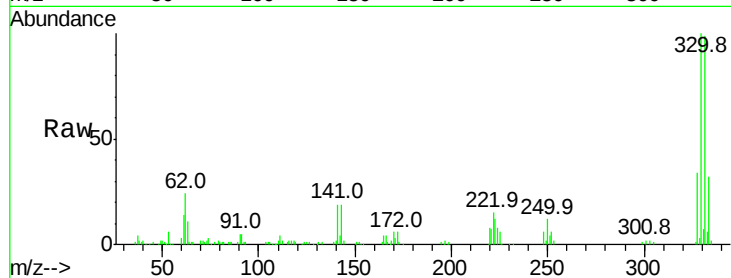




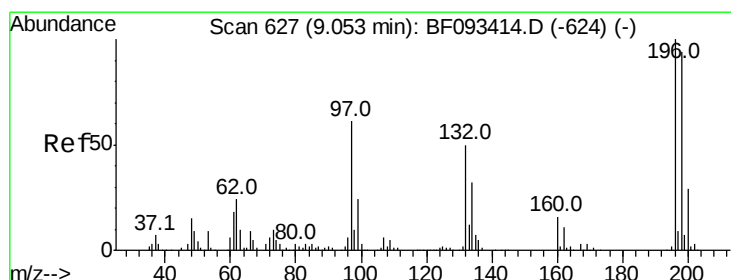
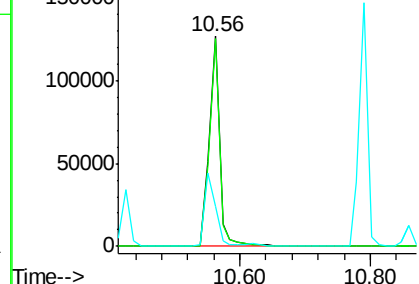
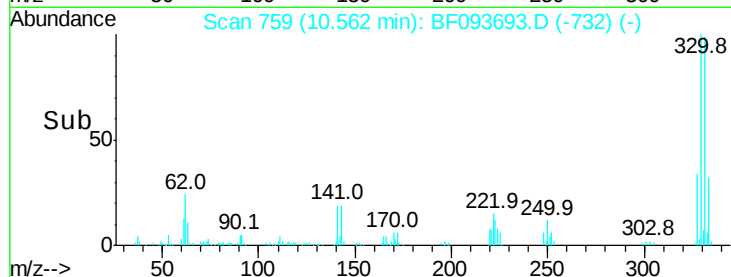
#41
 2,4,6-Tribromophenol
 Concen: 95.83 ng
 RT: 10.56 min Scan# 759
 Delta R.T. 0.01 min
 Lab File: BF093693.D
 Acq: 16 Mar 2017 5:35

Instrument :
 BNA_F
 ClientSampleId :
 PB97590BS

Tot Ion:330 Resp: 141953
 Ion Ratio Lower Upper
 330 100
 332 97.0 77.4 116.2
 141 36.0 34.1 51.1

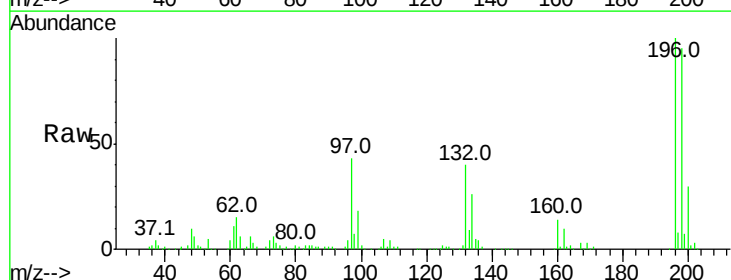


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

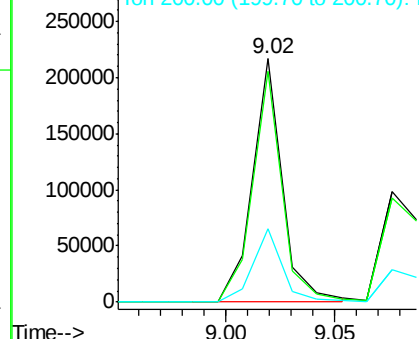
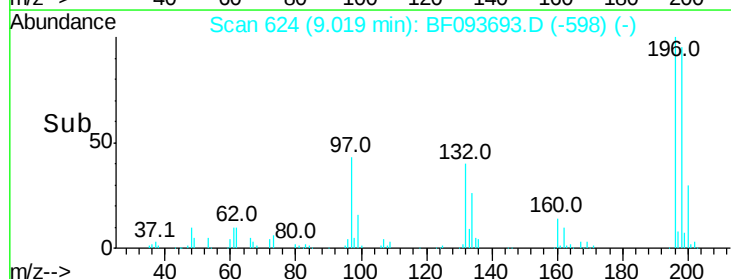


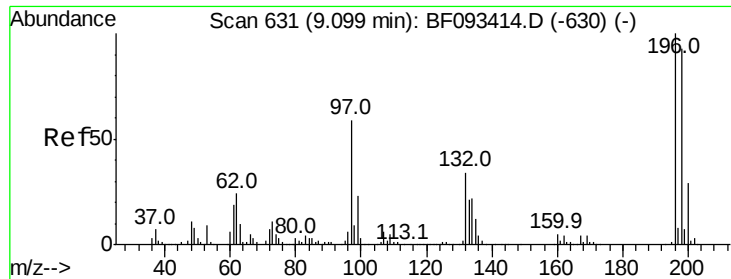
#42
 2,4,6-Trichlorophenol
 Concen: 53.22 ng
 RT: 9.02 min Scan# 624
 Delta R.T. 0.00 min
 Lab File: BF093693.D
 Acq: 16 Mar 2017 5:35

Tgt Ion:196 Resp: 206426
 Ion Ratio Lower Upper
 196 100
 198 94.8 82.1 123.1
 200 30.0 27.0 40.4



Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

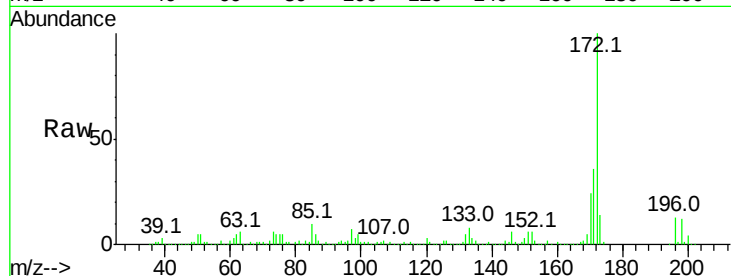




#43
 2,4,5-Trichlorophenol
 Concen: 42.53 ng
 RT: 9.08 min Scan# 629
 Delta R.T. 0.01 min
 Lab File: BF093693.D
 Acq: 16 Mar 2017 5:35

Instrument :
 BNA_F
 ClientSampleId :
 PB97590BS

Tot Ion	Ratio	Lower	Upper
196	100		
198	93.6	79.4	119.2
97	57.6	51.5	77.3
132	36.7	27.4	41.2



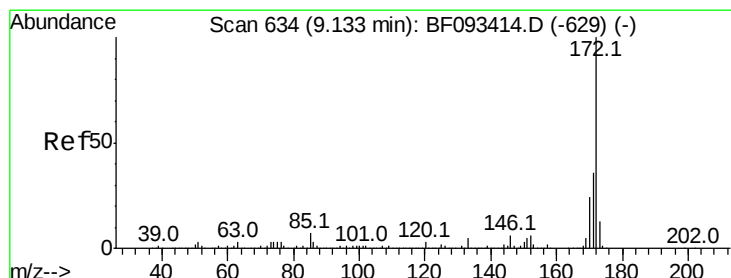
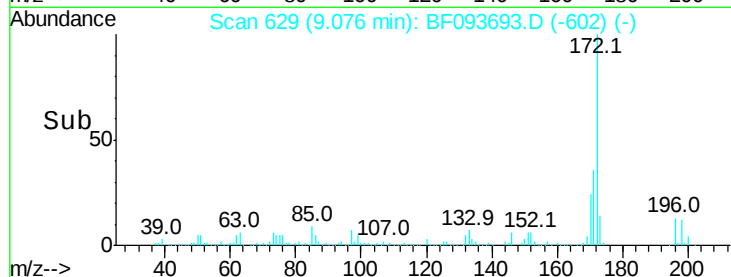
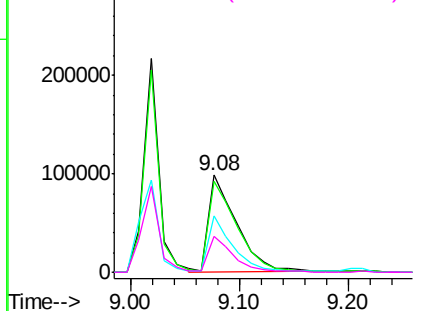
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

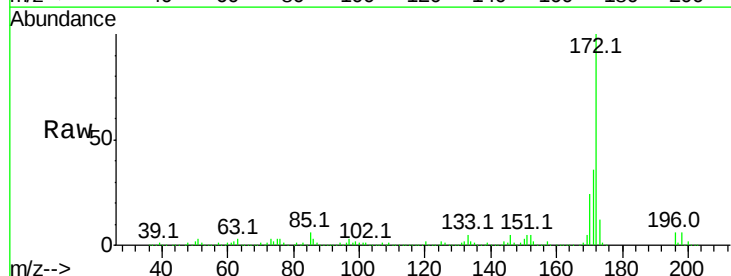
Ion 97.00 (96.70 to 97.70): BF0

Ion 132.00 (131.70 to 132.70): E



#44
 2-Fluorobiphenyl
 Concen: 116.82 ng
 RT: 9.09 min Scan# 630
 Delta R.T. 0.00 min
 Lab File: BF093693.D
 Acq: 16 Mar 2017 5:35

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.4	44.0
170	24.1	20.2	30.4

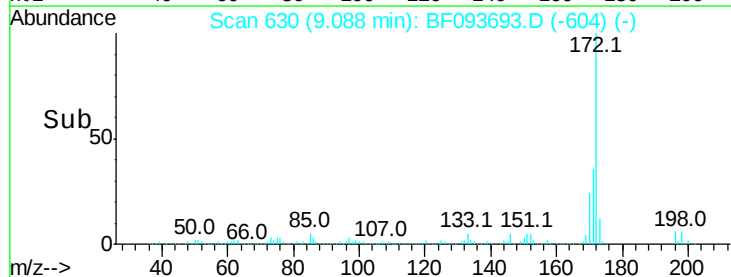
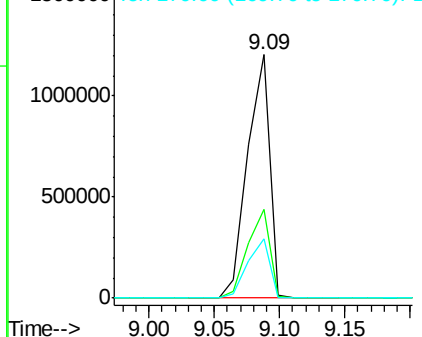


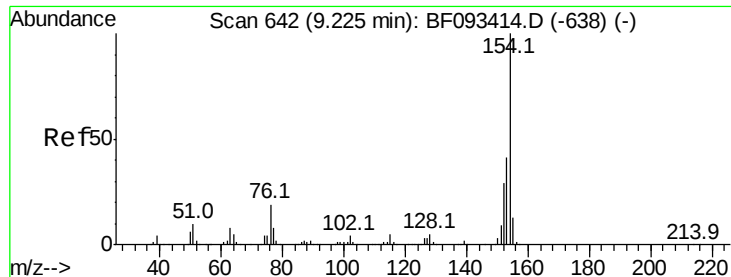
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 51.06 ng

RT: 9.18 min Scan# 638

Delta R.T. -0.01 min

Lab File: BF093693.D

Acq: 16 Mar 2017 5:35

Instrument :

BNA_F

ClientSampleId :

PB97590BS

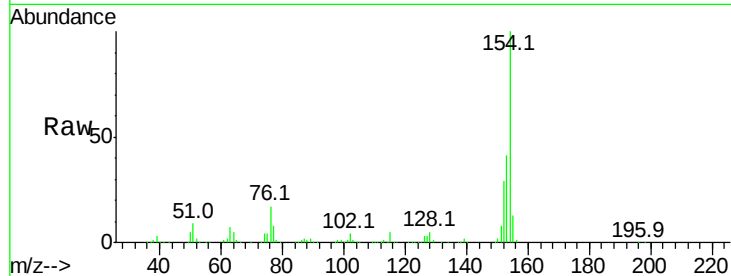
Tot Ion:154 Resp: 845697

Ion Ratio Lower Upper

154 100

153 41.0 20.9 60.9

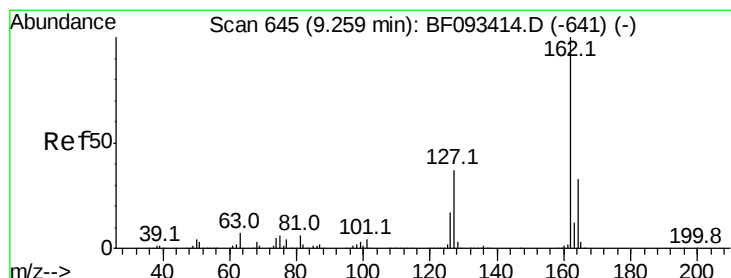
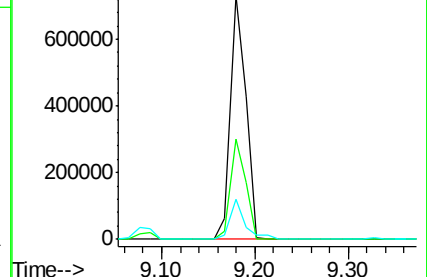
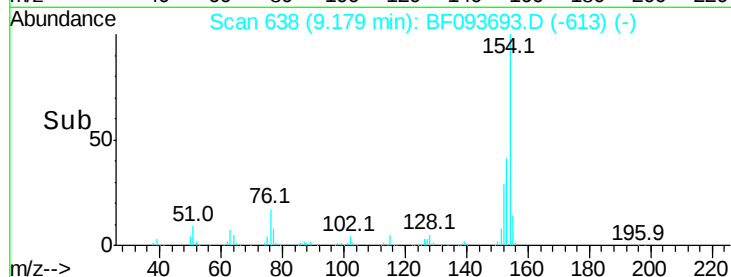
76 16.7 0.0 30.5



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 53.48 ng

RT: 9.21 min Scan# 641

Delta R.T. 0.00 min

Lab File: BF093693.D

Acq: 16 Mar 2017 5:35

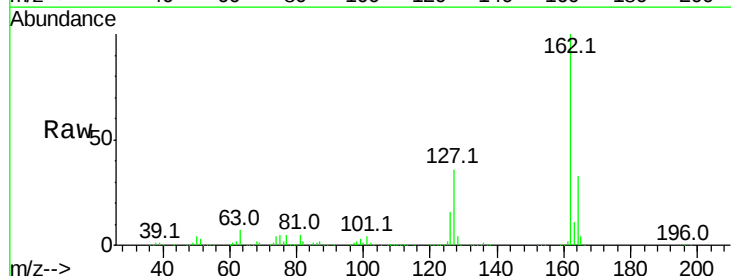
Tgt Ion:162 Resp: 677962

Ion Ratio Lower Upper

162 100

127 35.6 30.7 46.1

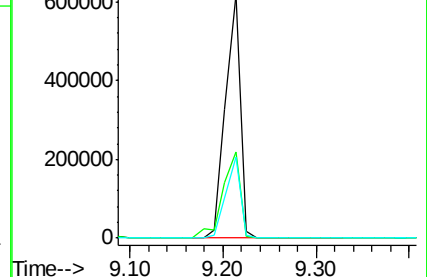
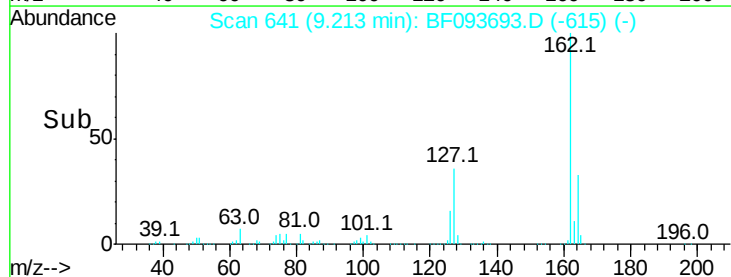
164 33.4 27.6 41.4

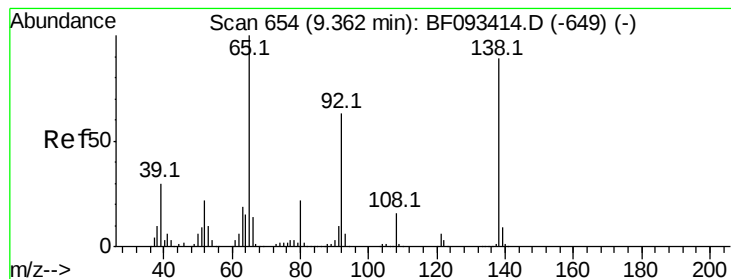


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 47.89 ng

RT: 9.33 min Scan# 651

Delta R.T. 0.00 min

Lab File: BF093693.D

Acq: 16 Mar 2017 5:35

Instrument :

BNA_F

ClientSampleId :

PB97590BS

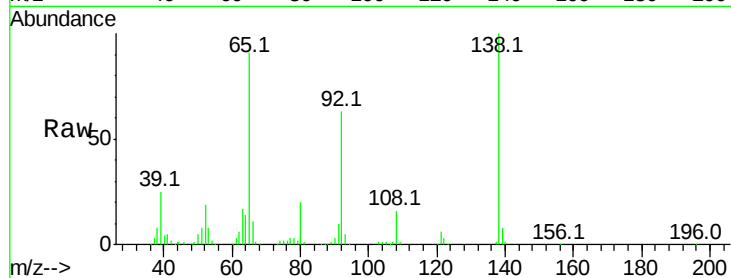
Tot Ion: 65 Resp: 214611

Ion Ratio Lower Upper

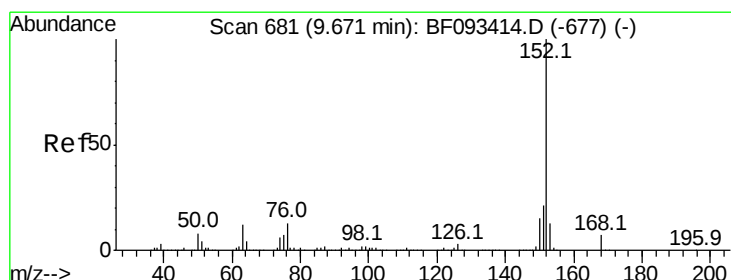
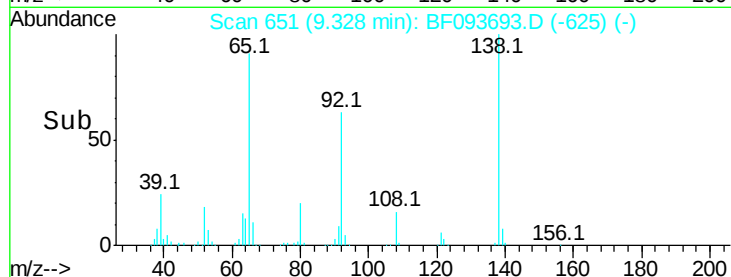
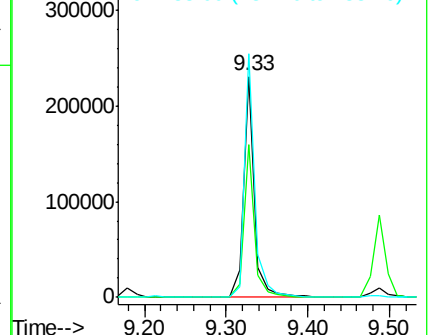
65 100

92 69.4 53.9 80.9

138 110.2 76.8 115.2



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



#48

Acenaphthylene

Concen: 48.47 ng

RT: 9.62 min Scan# 677

Delta R.T. 0.00 min

Lab File: BF093693.D

Acq: 16 Mar 2017 5:35

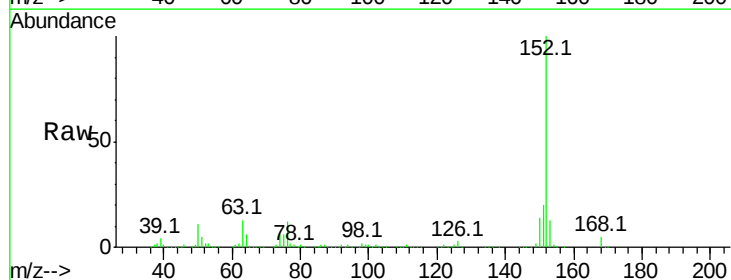
Tgt Ion: 152 Resp: 1013428

Ion Ratio Lower Upper

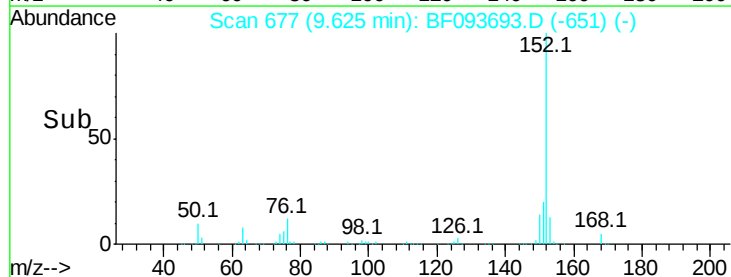
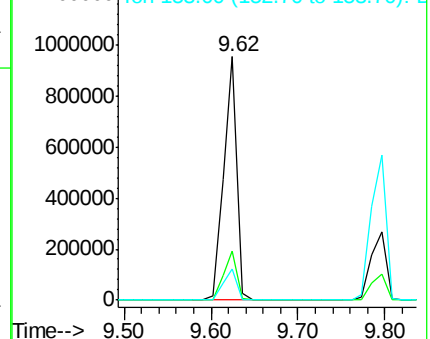
152 100

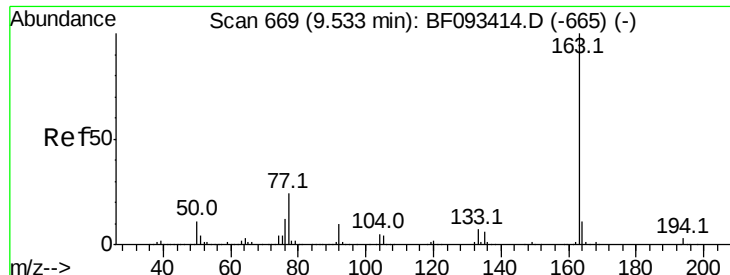
151 20.2 16.9 25.3

153 12.9 11.4 17.2



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

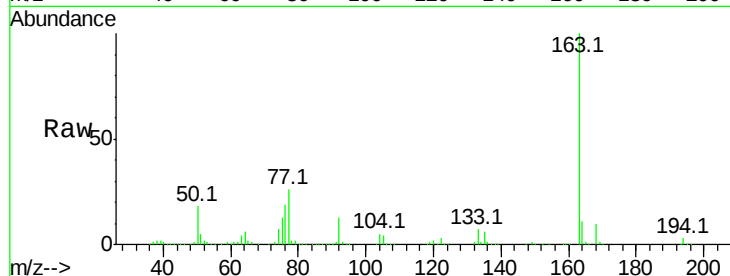




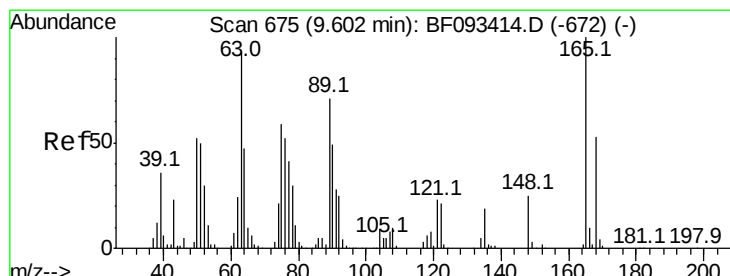
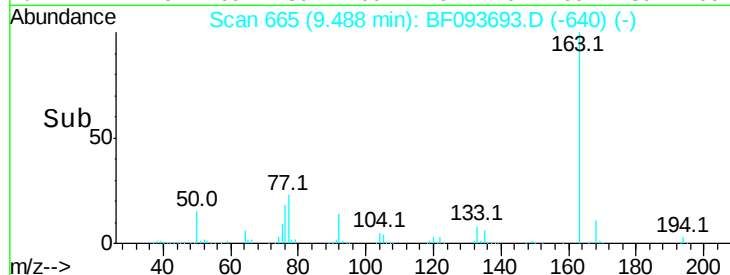
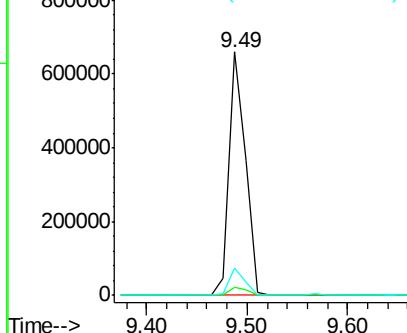
#49
Dimethylphthalate
Concen: 49.40 ng
RT: 9.49 min Scan# 665
Delta R.T. -0.01 min
Lab File: BF093693.D
Acq: 16 Mar 2017 5:35

Instrument :
BNA_F
ClientSampleId :
PB97590BS

Tot Ion:163 Resp: 744594
Ion Ratio Lower Upper
163 100
194 3.2 3.0 4.4
164 11.0 8.0 12.0

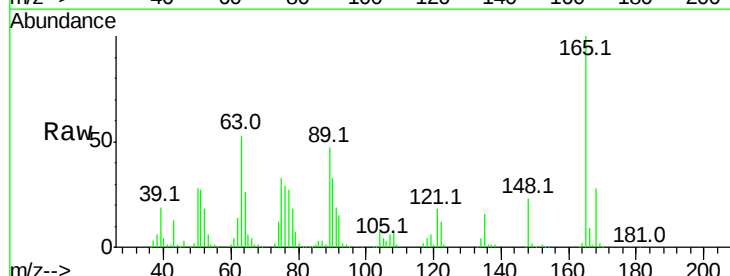


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

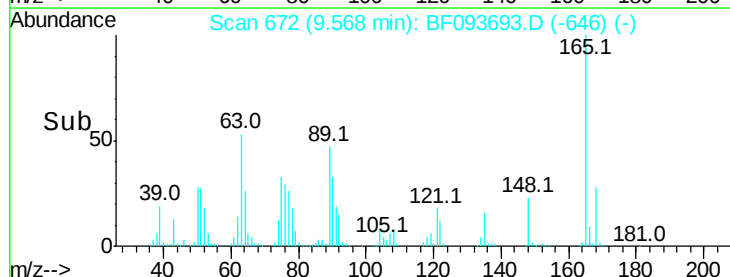
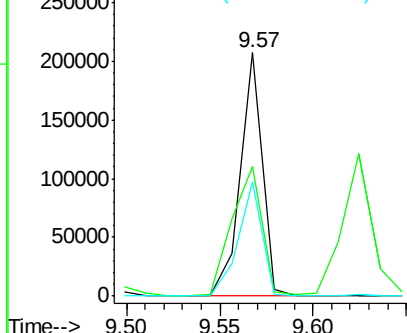


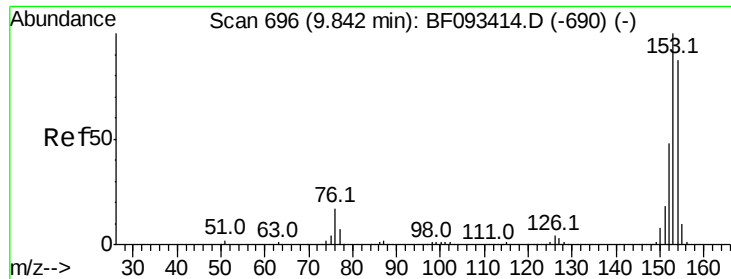
#50
2,6-Dinitrotoluene
Concen: 52.16 ng
RT: 9.57 min Scan# 672
Delta R.T. 0.00 min
Lab File: BF093693.D
Acq: 16 Mar 2017 5:35

Tgt Ion:165 Resp: 172507
Ion Ratio Lower Upper
165 100
63 53.2 36.2 54.4
89 47.0 40.2 60.4



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

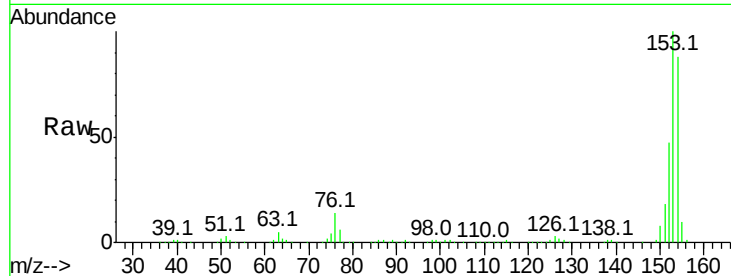




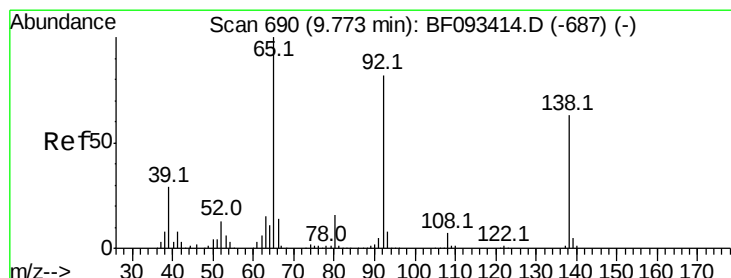
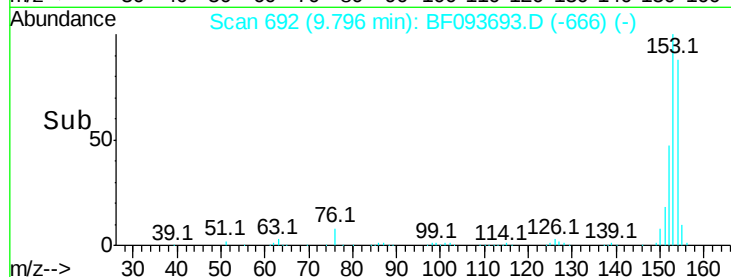
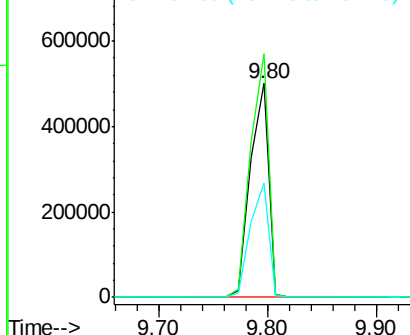
#51
Acenaphthene
Concen: 47.42 ng
RT: 9.80 min Scan# 692
Delta R.T. 0.00 min
Lab File: BF093693.D
Acq: 16 Mar 2017 5:35

Instrument :
BNA_F
ClientSampleId :
PB97590BS

Tot Ion:154 Resp: 586259
Ion Ratio Lower Upper
154 100
153 113.9 88.6 133.0
152 53.2 41.6 62.4

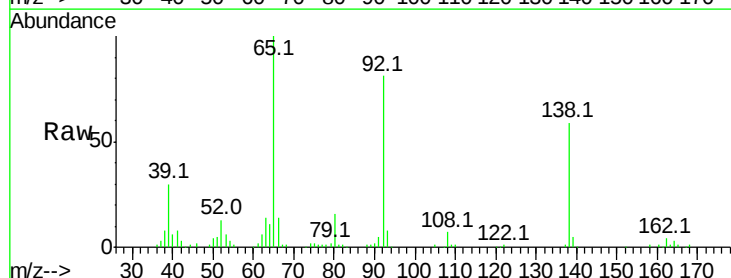


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

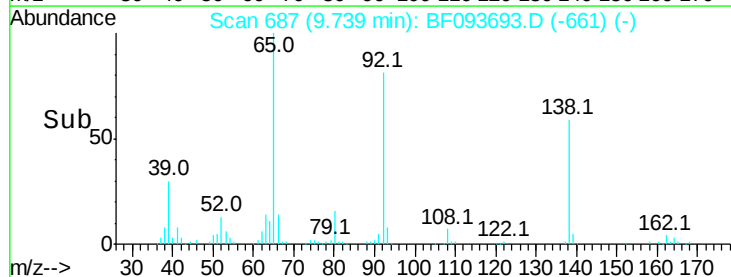
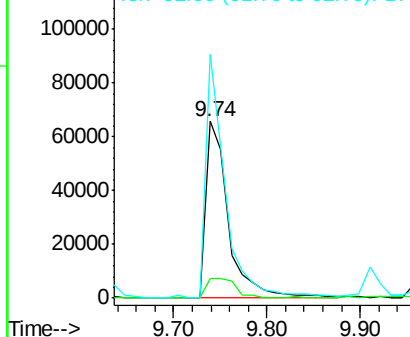


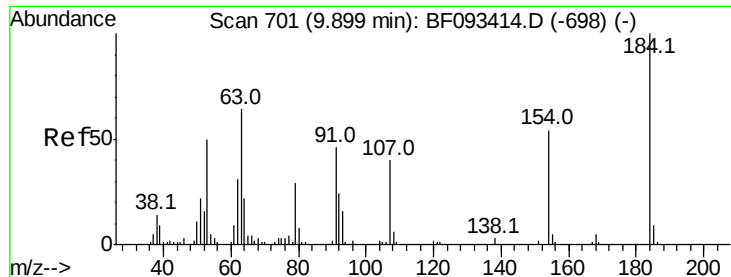
#52
3-Nitroaniline
Concen: 27.98 ng
RT: 9.74 min Scan# 687
Delta R.T. 0.00 min
Lab File: BF093693.D
Acq: 16 Mar 2017 5:35

Tgt Ion:138 Resp: 111165
Ion Ratio Lower Upper
138 100
108 11.1 8.5 12.7
92 137.9 97.8 146.8



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF0

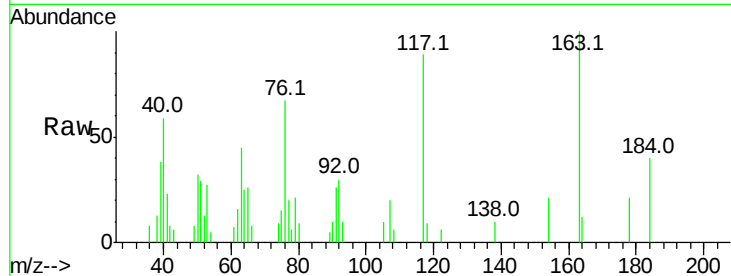




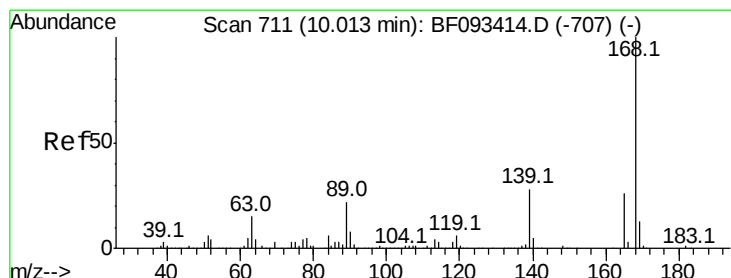
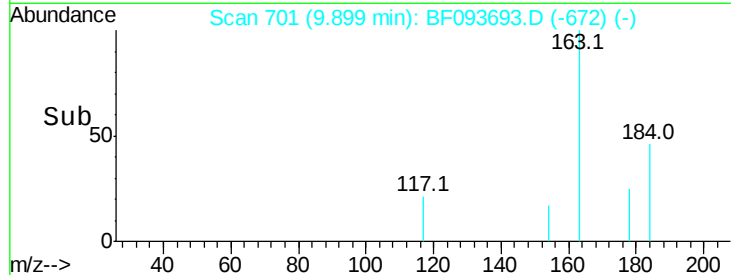
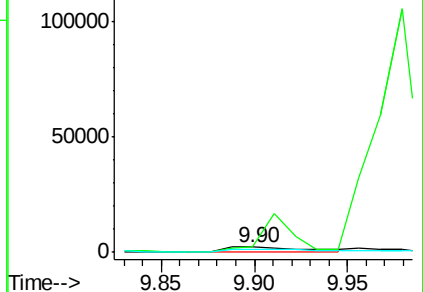
#53
 2,4-Dinitrophenol
 Concen: 4.76 ng
 RT: 9.90 min Scan# 701
 Delta R.T. 0.03 min
 Lab File: BF093693.D
 Acq: 16 Mar 2017 5:35

Instrument :
 BNA_F
 ClientSampleId :
 PB97590BS

Tot Ion:184 Resp: 7174
 Ion Ratio Lower Upper
 184 100
 63 111.5 28.4 42.6#
 154 52.9 44.3 66.5

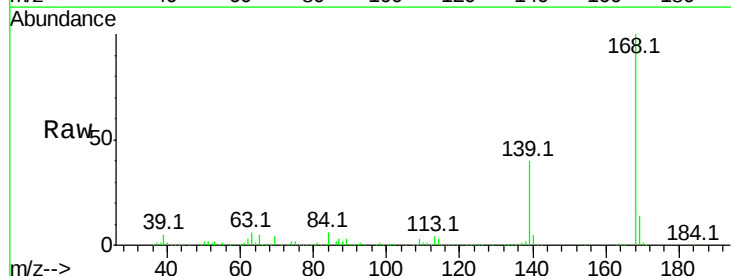


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 154.00 (153.70 to 154.70): E

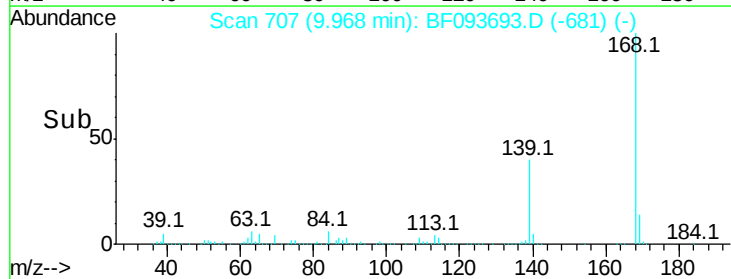
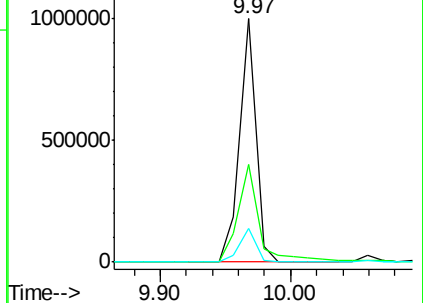


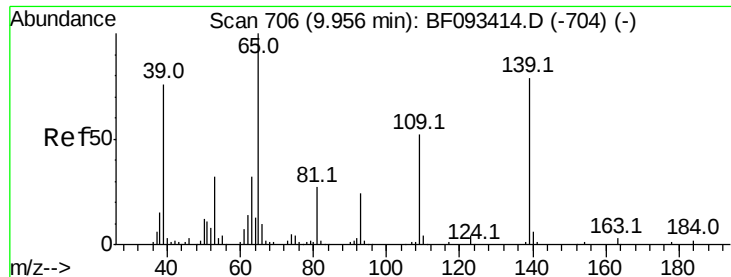
#54
 Dibenzofuran
 Concen: 55.93 ng
 RT: 9.97 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: BF093693.D
 Acq: 16 Mar 2017 5:35

Tgt Ion:168 Resp: 865496
 Ion Ratio Lower Upper
 168 100
 139 40.3 32.6 49.0
 169 13.6 11.3 16.9



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: 251.00 ng

RT: 9.97 min Scan# 707

Delta R.T. 0.03 min

Lab File: BF093693.D

Acq: 16 Mar 2017 5:35

Instrument :

BNA_F

ClientSampleId :

PB97590BS

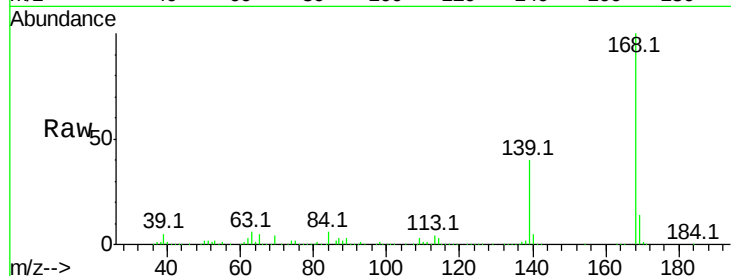
Tot Ion:139 Resp: 484433

Ion Ratio Lower Upper

139 100

109 7.0 52.2 92.2#

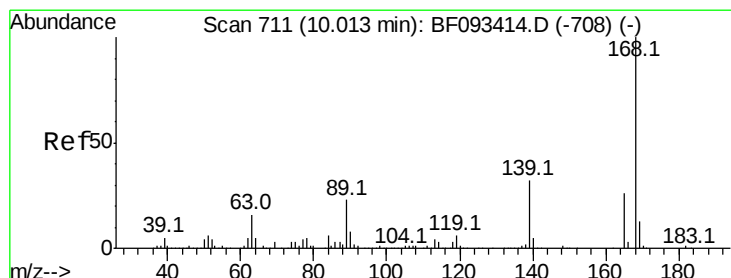
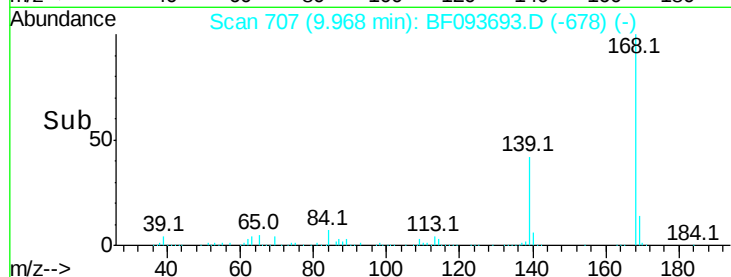
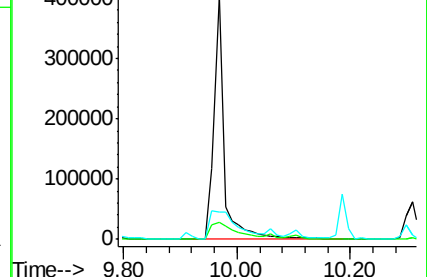
65 11.4 85.8 125.8#



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: 47.84 ng

RT: 9.98 min Scan# 708

Delta R.T. 0.00 min

Lab File: BF093693.D

Acq: 16 Mar 2017 5:35

Tgt Ion:165 Resp: 194395

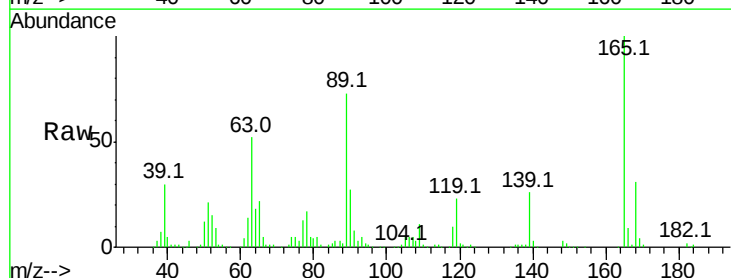
Ion Ratio Lower Upper

165 100

63 52.2 40.2 60.4

89 72.9 62.5 93.7

182 2.2 1.8 2.8

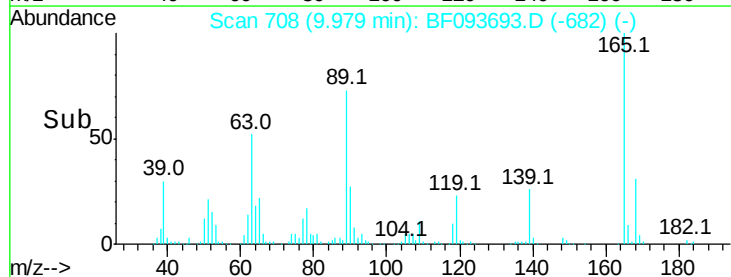
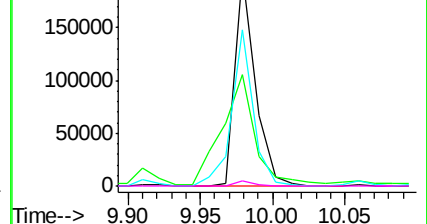


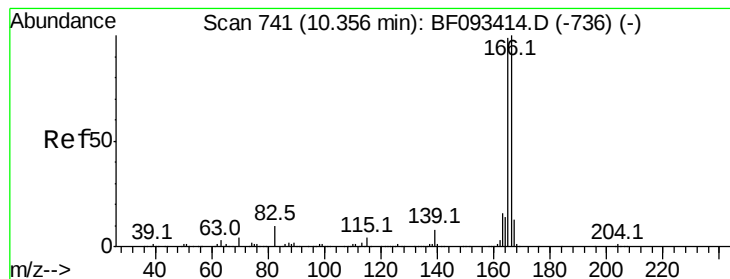
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 49.35 ng

RT: 10.31 min Scan# 737

Delta R.T. 0.00 min

Lab File: BF093693.D

Acq: 16 Mar 2017 5:35

Instrument :

BNA_F

ClientSampleId :

PB97590BS

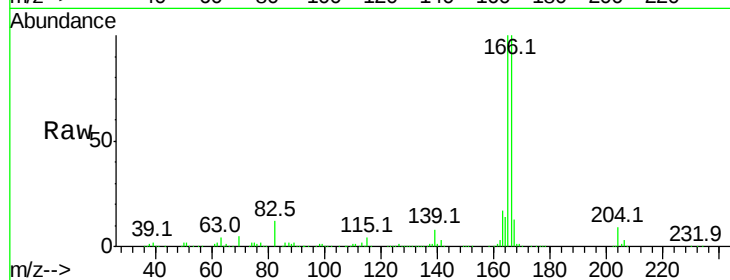
Tot Ion:166 Resp: 647204

Ion Ratio Lower Upper

166 100

165 100.0 77.8 116.8

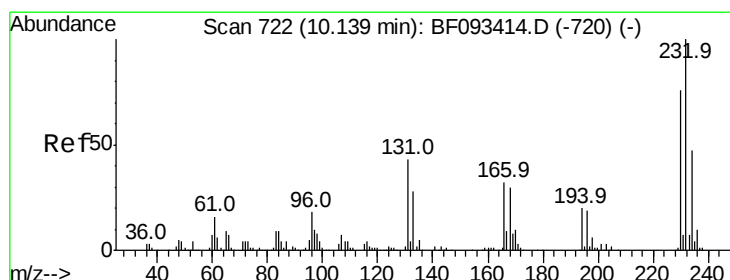
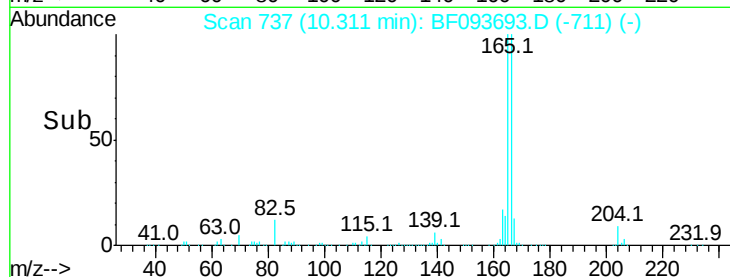
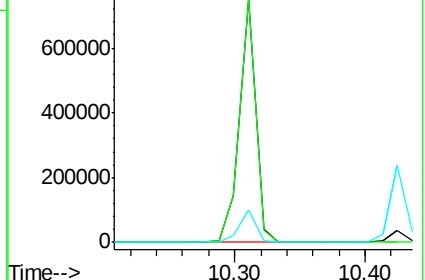
167 13.4 10.8 16.2



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 48.84 ng

RT: 10.10 min Scan# 719

Delta R.T. 0.01 min

Lab File: BF093693.D

Acq: 16 Mar 2017 5:35

Tgt Ion:232 Resp: 143460

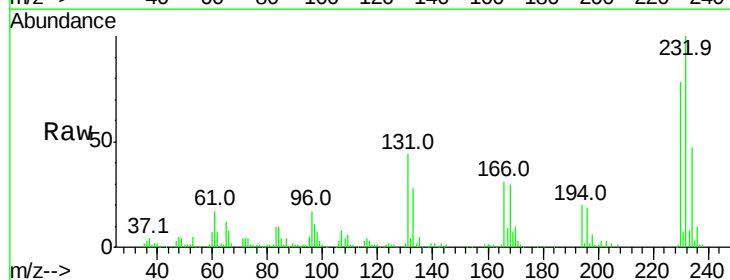
Ion Ratio Lower Upper

232 100

131 42.9 40.1 60.1

130 2.0 1.8 2.8

166 27.3 26.6 39.8

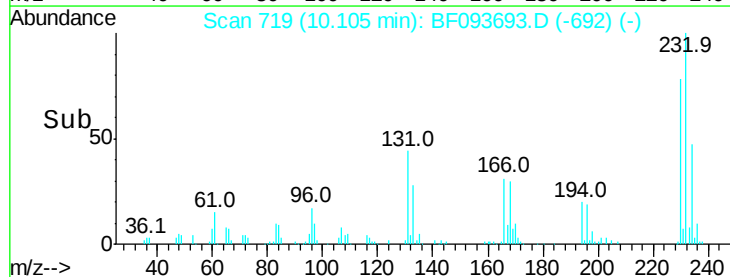
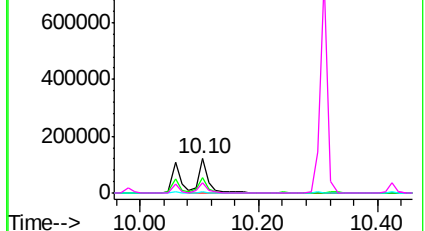


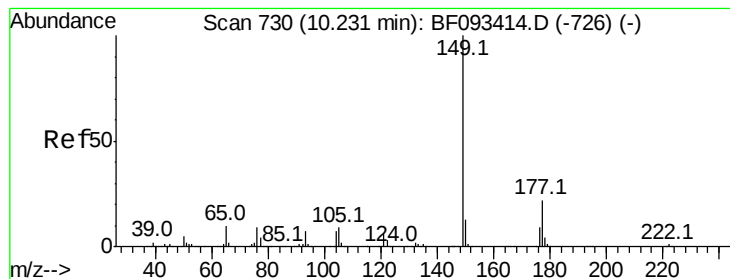
Abundance Ion 232.00 (231.70 to 232.70): E

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: 48.82 ng

RT: 10.18 min Scan# 726

Delta R.T. 0.00 min

Lab File: BF093693.D

Acq: 16 Mar 2017 5:35

Instrument :

BNA_F

ClientSampleId :

PB97590BS

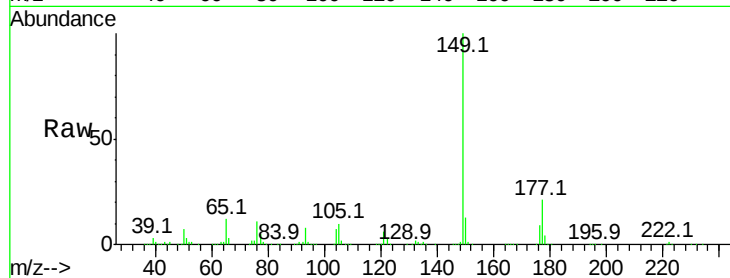
Tot Ion:149 Resp: 703315

Ion Ratio Lower Upper

149 100

177 21.1 16.6 25.0

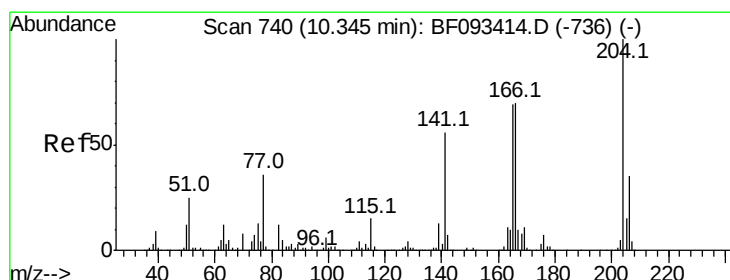
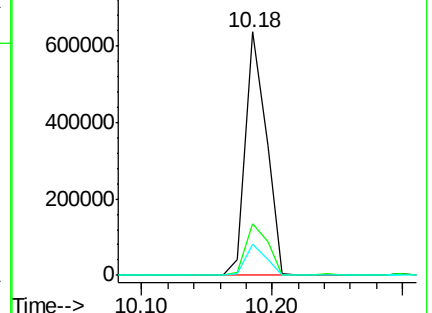
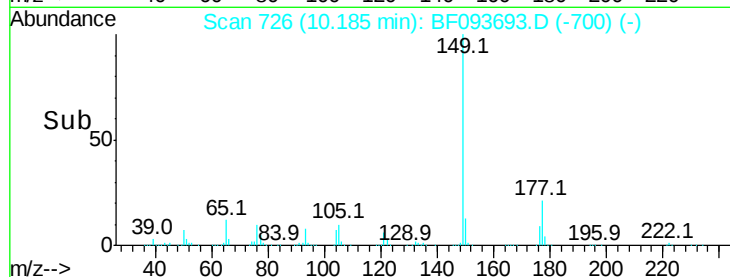
150 12.7 10.4 15.6



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: 49.18 ng

RT: 10.30 min Scan# 736

Delta R.T. 0.00 min

Lab File: BF093693.D

Acq: 16 Mar 2017 5:35

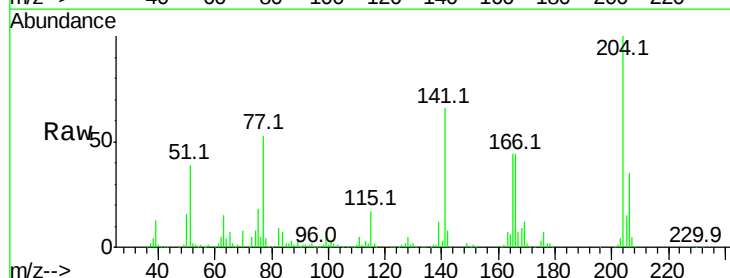
Tgt Ion:204 Resp: 289056

Ion Ratio Lower Upper

204 100

206 34.7 25.8 38.6

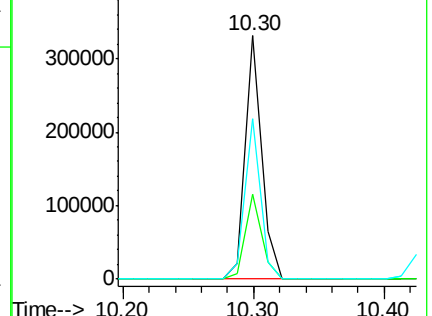
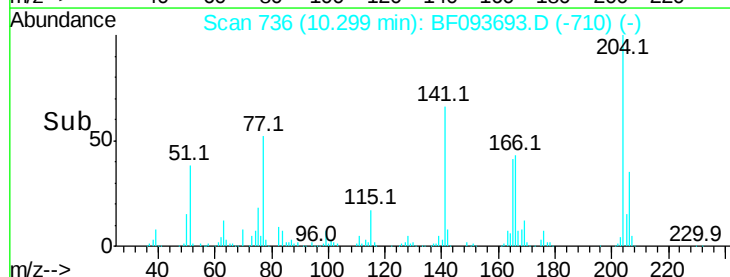
141 66.0 59.4 89.0

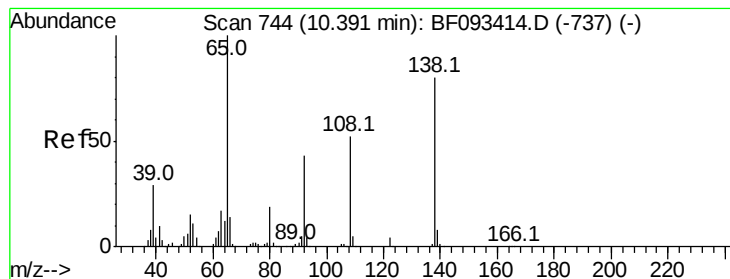


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 35.26 ng

RT: 10.36 min Scan# 741

Delta R.T. 0.00 min

Lab File: BF093693.D

Acq: 16 Mar 2017 5:35

Instrument :

BNA_F

ClientSampleId :

PB97590BS

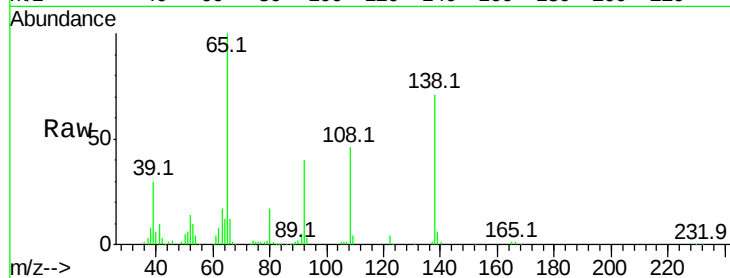
Tot Ion:138 Resp: 143271

Ion Ratio Lower Upper

138 100

92 56.3 31.7 71.7

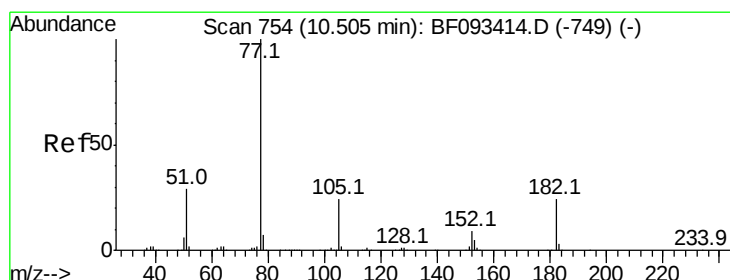
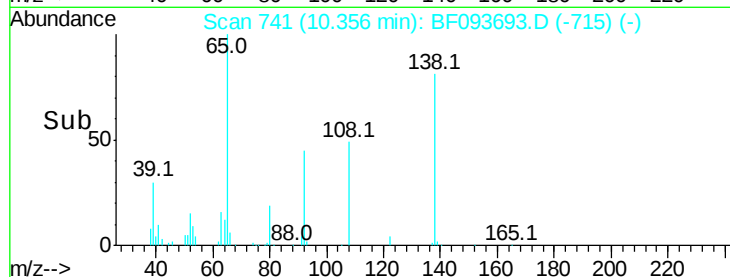
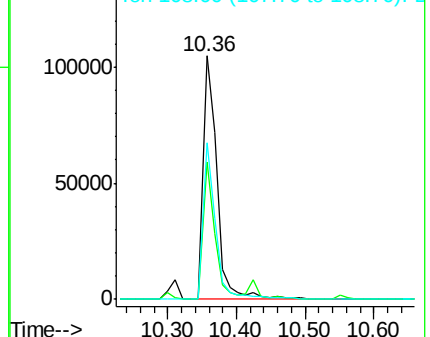
108 64.4 52.6 92.6



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 46.24 ng

RT: 10.46 min Scan# 750

Delta R.T. 0.00 min

Lab File: BF093693.D

Acq: 16 Mar 2017 5:35

Tgt Ion: 77 Resp: 756969

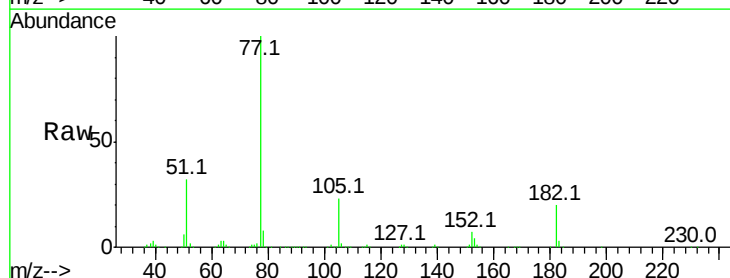
Ion Ratio Lower Upper

77 100

182 19.8 0.0 39.3

105 22.8 2.3 42.3

51 31.7 8.9 48.9

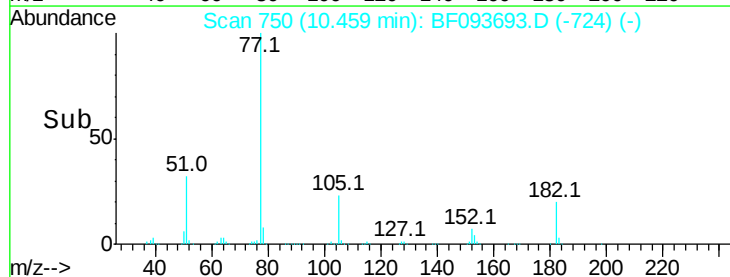
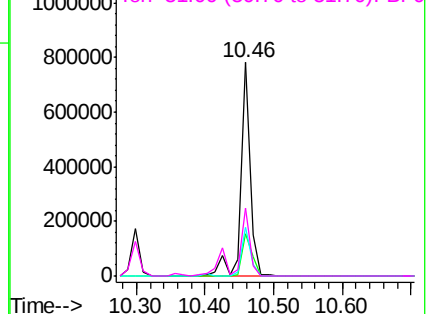


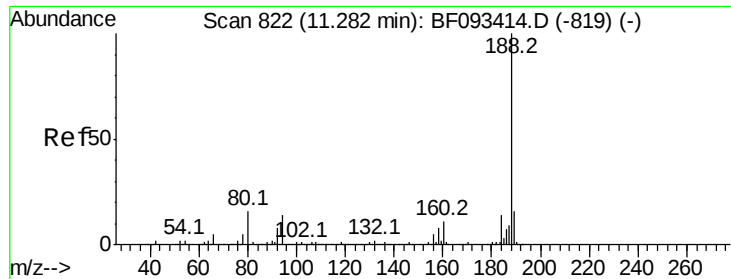
Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0

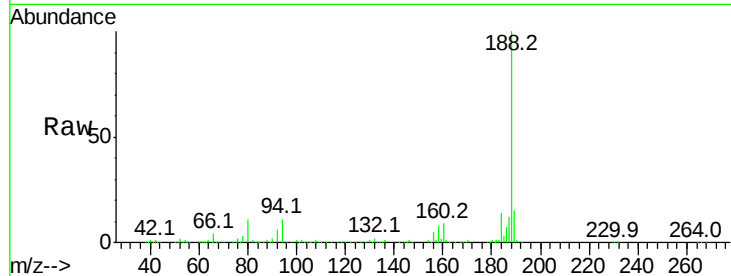




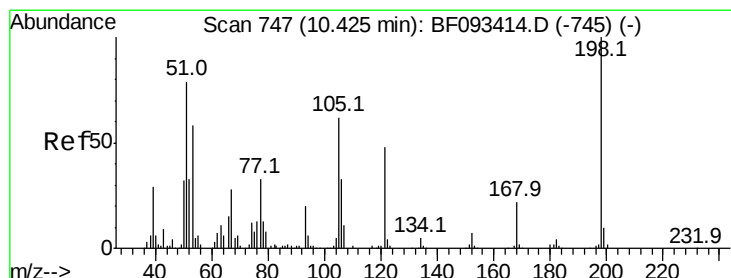
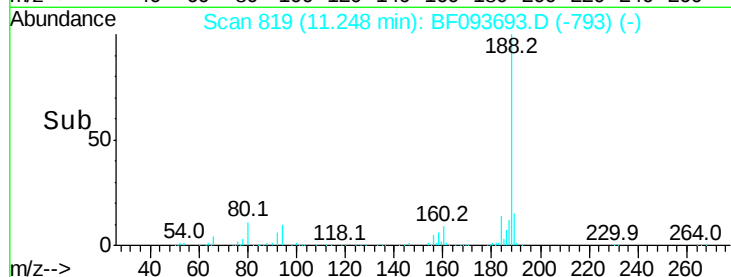
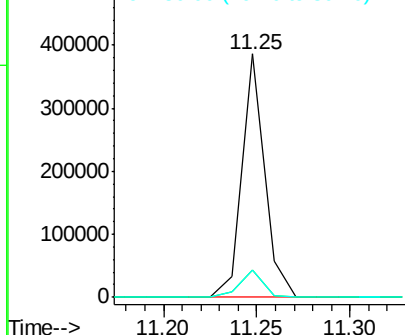
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.25 min Scan# 819
Delta R.T. 0.00 min
Lab File: BF093693.D
Acq: 16 Mar 2017 5:35

Instrument :
BNA_F
ClientSampleId :
PB97590BS

Tot Ion:188 Resp: 328525
Ion Ratio Lower Upper
188 100
94 11.0 10.0 15.0
80 11.3 11.2 16.8

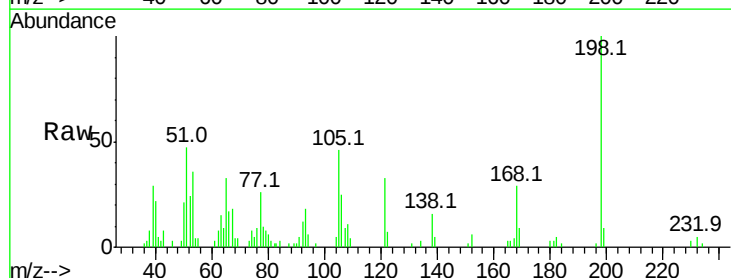


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

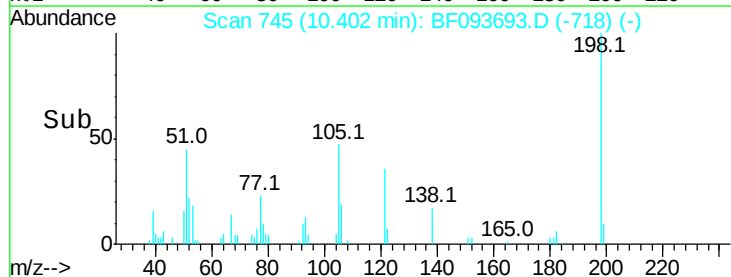
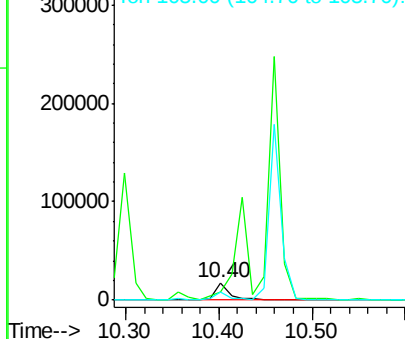


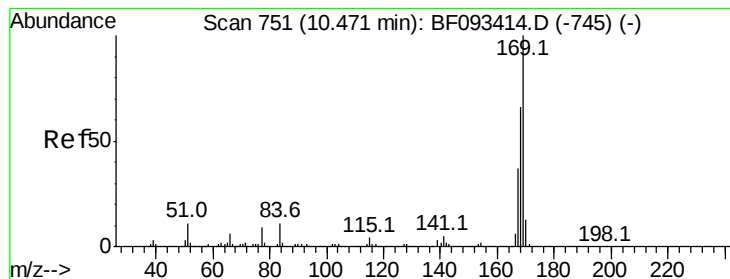
#64
4,6-Dinitro-2-methylphenol
Concen: 10.33 ng
RT: 10.40 min Scan# 745
Delta R.T. 0.01 min
Lab File: BF093693.D
Acq: 16 Mar 2017 5:35

Tgt Ion:198 Resp: 21980
Ion Ratio Lower Upper
198 100
51 46.6 6.7 46.7
105 45.8 16.6 56.6



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 49.89 ng

RT: 10.42 min Scan# 747

Delta R.T. 0.00 min

Lab File: BF093693.D

Acq: 16 Mar 2017 5:35

Instrument :

BNA_F

ClientSampleId :

PB97590BS

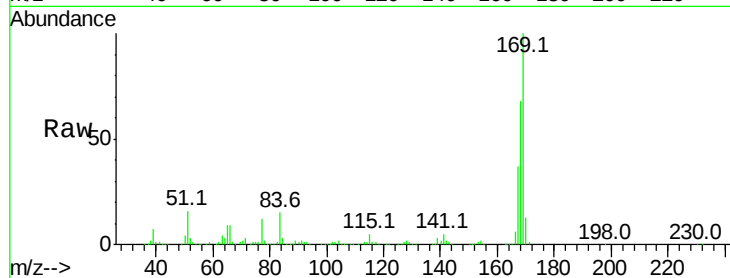
Tot Ion:169 Resp: 547246

Ion Ratio Lower Upper

169 100

168 68.0 54.2 81.2

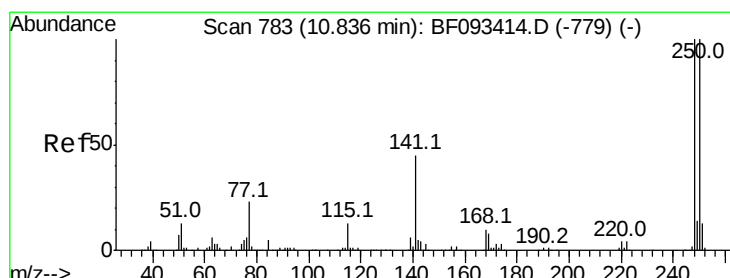
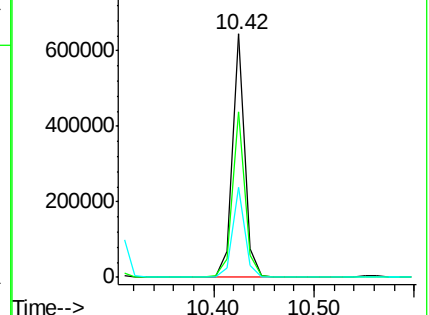
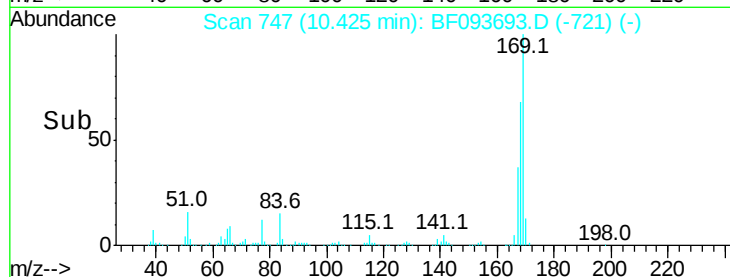
167 37.0 30.2 45.4



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 49.08 ng

RT: 10.79 min Scan# 779

Delta R.T. 0.00 min

Lab File: BF093693.D

Acq: 16 Mar 2017 5:35

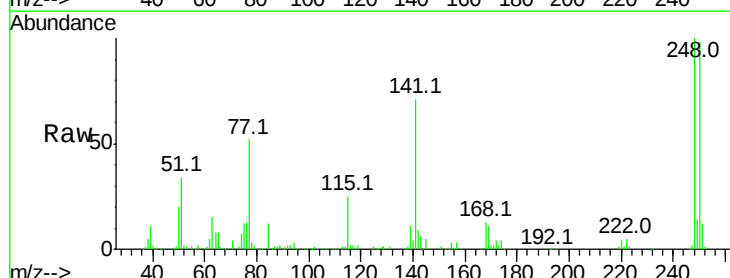
Tgt Ion:248 Resp: 170505

Ion Ratio Lower Upper

248 100

250 98.1 76.9 115.3

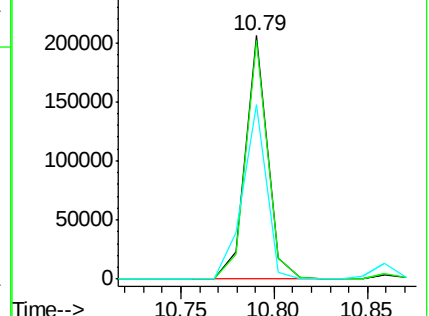
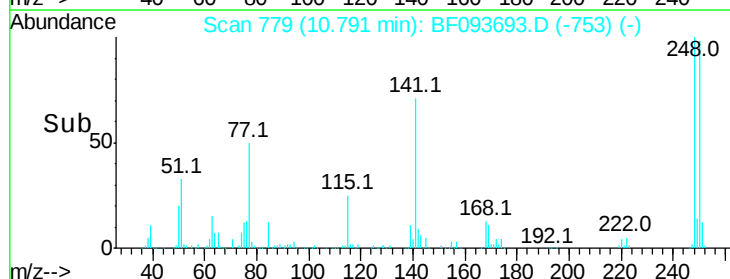
141 71.4 68.2 102.4

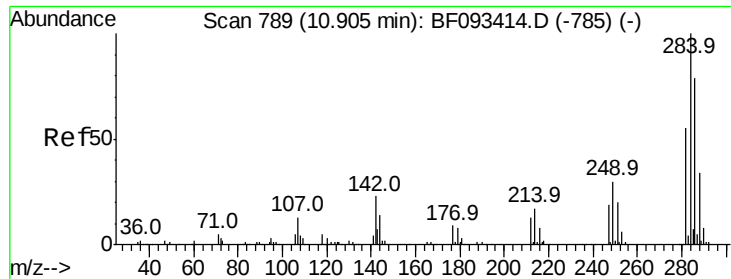


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

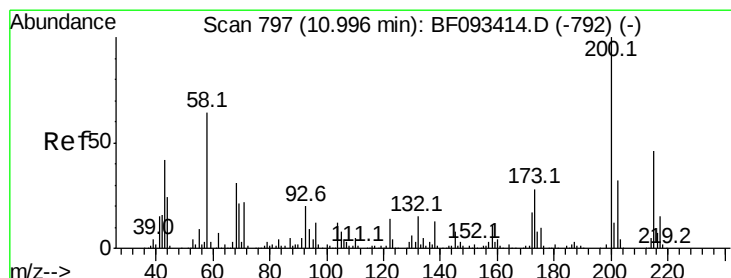
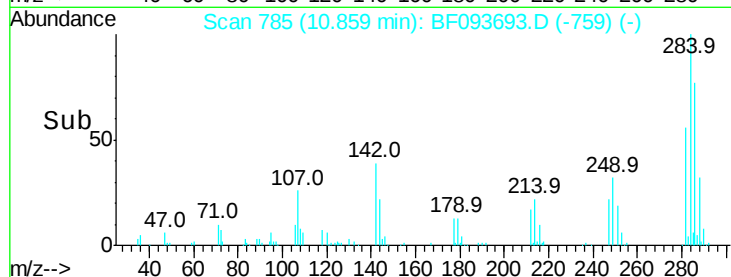
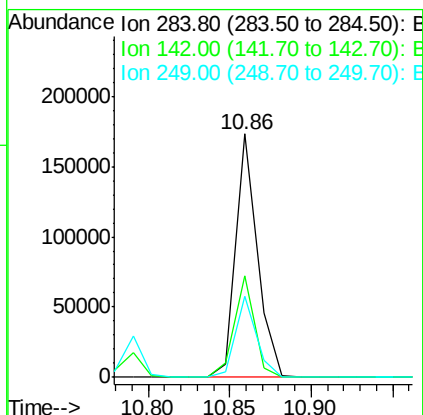
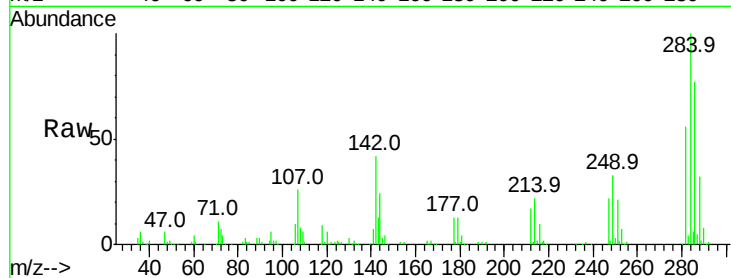




#67
Hexachlorobenzene
Concen: 47.53 ng
RT: 10.86 min Scan# 785
Delta R.T. 0.00 min
Lab File: BF093693.D
Acq: 16 Mar 2017 5:35

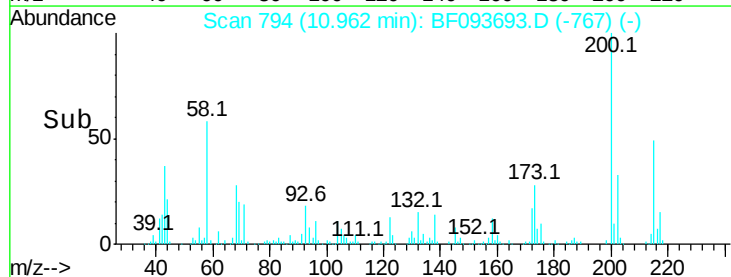
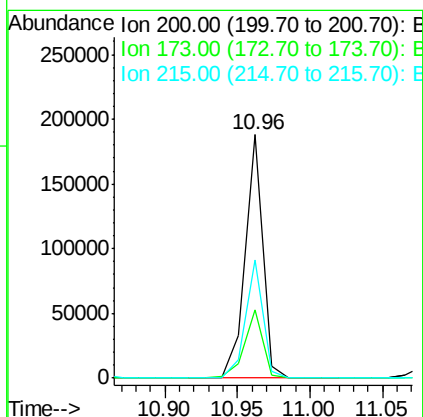
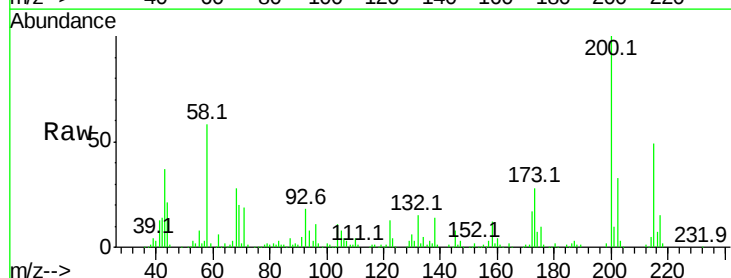
Instrument :
BNA_F
ClientSampleId :
PB97590BS

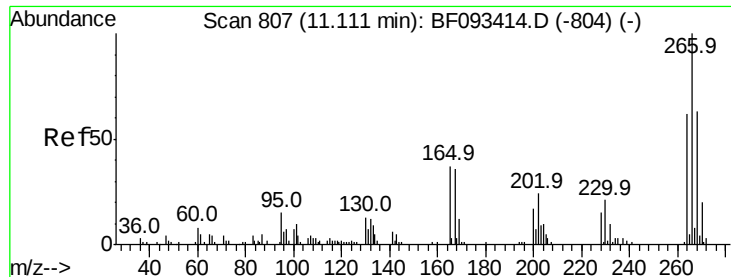
Tot Ion:284 Resp: 157675
Ion Ratio Lower Upper
284 100
142 41.6 22.6 33.8#
249 33.5 25.4 38.0



#68
Atrazine
Concen: 49.40 ng
RT: 10.96 min Scan# 794
Delta R.T. 0.01 min
Lab File: BF093693.D
Acq: 16 Mar 2017 5:35

Tgt Ion:200 Resp: 158614
Ion Ratio Lower Upper
200 100
173 28.2 9.6 49.6
215 48.5 25.7 65.7

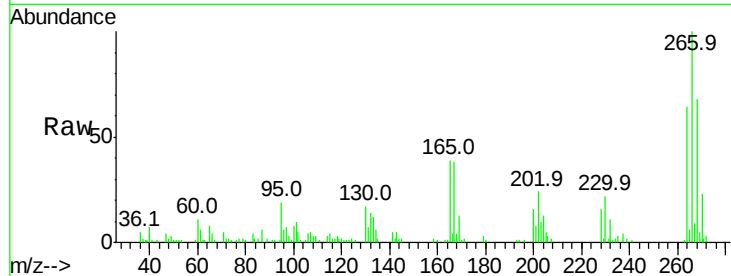




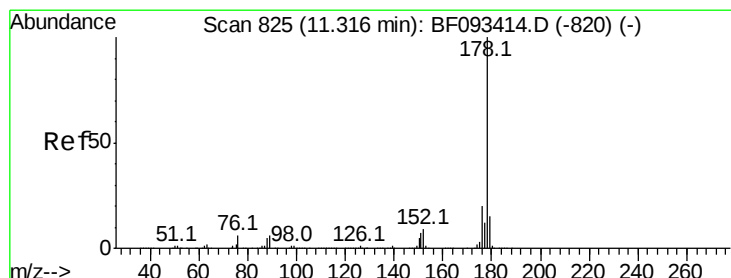
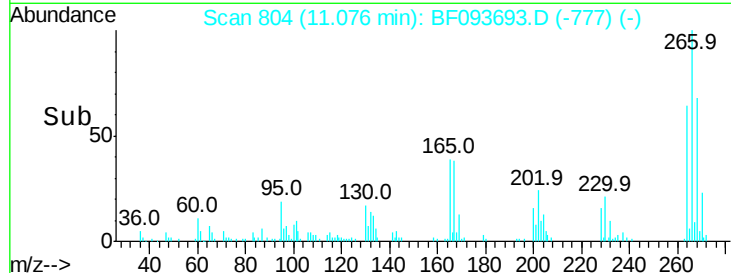
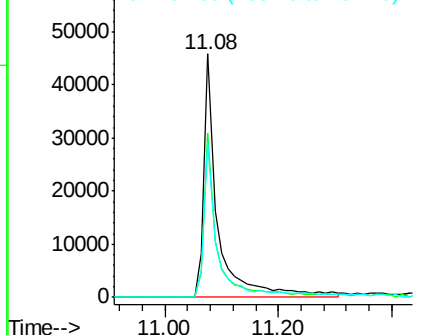
#69
 Pentachlorophenol
 Concen: 67.09 ng
 RT: 11.08 min Scan# 804
 Delta R.T. 0.01 min
 Lab File: BF093693.D
 Acq: 16 Mar 2017 5:35

Instrument :
 BNA_F
 ClientSampleId :
 PB97590BS

Tot Ion	Ratio	Lower	Upper
266	100		
268	67.5	53.3	79.9
264	63.9	50.3	75.5

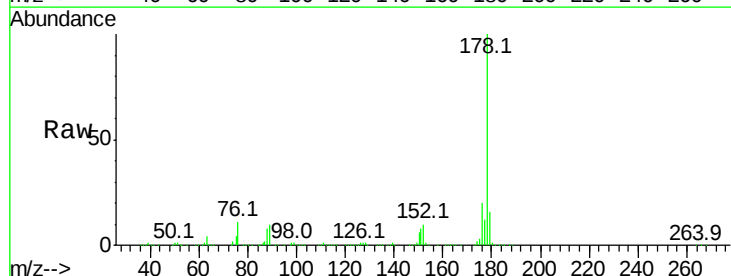


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

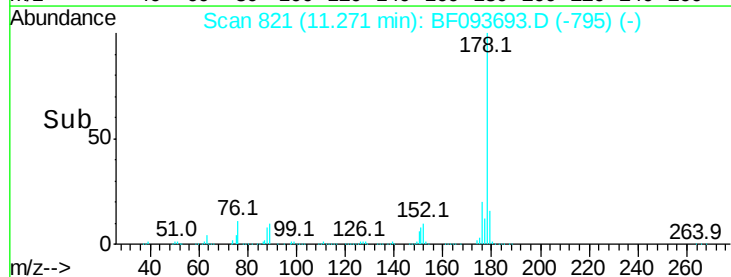
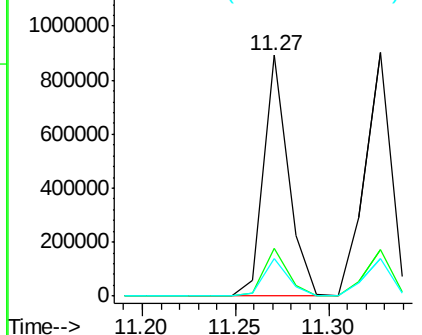


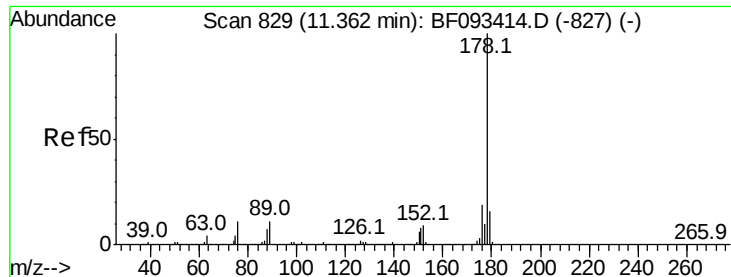
#70
 Phenanthrene
 Concen: 43.42 ng
 RT: 11.27 min Scan# 821
 Delta R.T. 0.00 min
 Lab File: BF093693.D
 Acq: 16 Mar 2017 5:35

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.8	16.6	25.0
179	15.5	12.8	19.2



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

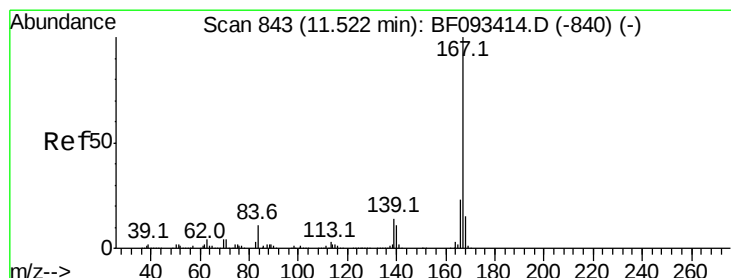
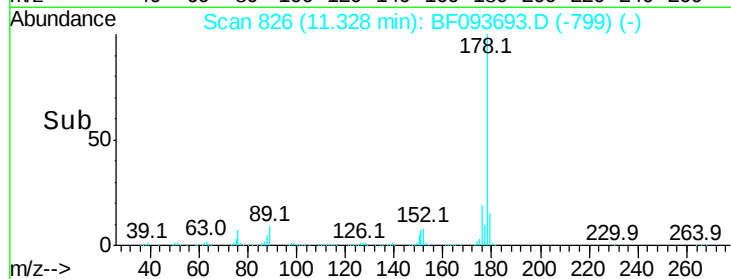
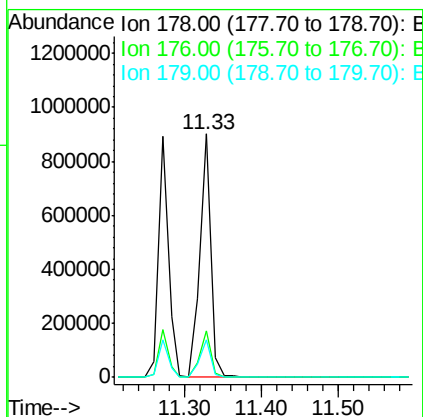
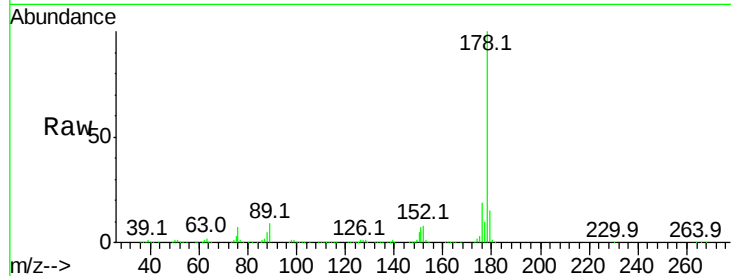




#71
 Anthracene
 Concen: 46.54 ng
 RT: 11.33 min Scan# 826
 Delta R.T. 0.01 min
 Lab File: BF093693.D
 Acq: 16 Mar 2017 5:35

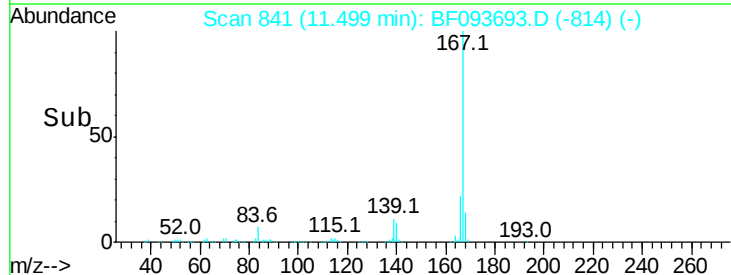
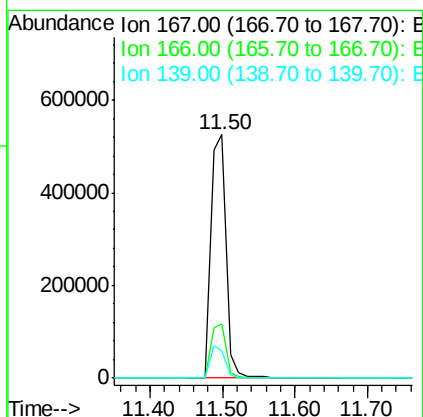
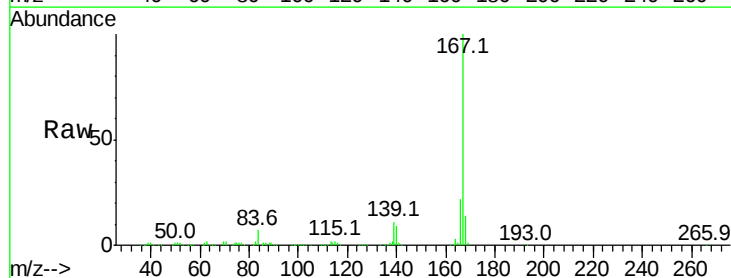
Instrument :
 BNA_F
 ClientSampleId :
 PB97590BS

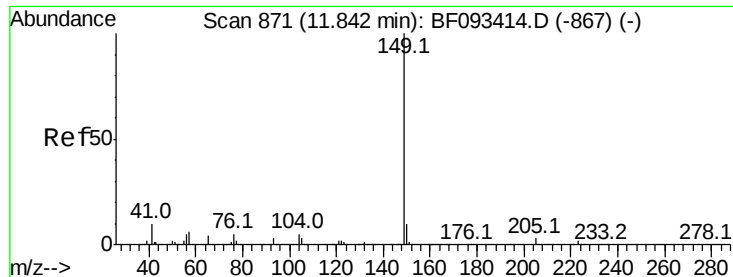
Tot Ion:178 Resp: 882846
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.9 23.9
 179 15.2 13.2 19.8



#72
 Carbazole
 Concen: 42.43 ng
 RT: 11.50 min Scan# 841
 Delta R.T. 0.01 min
 Lab File: BF093693.D
 Acq: 16 Mar 2017 5:35

Tgt Ion:167 Resp: 756084
 Ion Ratio Lower Upper
 167 100
 166 22.2 18.2 27.2
 139 11.1 11.4 17.2#





#73

Di-n-butylphthalate

Concen: 47.07 ng

RT: 11.81 min Scan# 868

Delta R.T. 0.00 min

Lab File: BF093693.D

Acq: 16 Mar 2017 5:35

Instrument :

BNA_F

ClientSampleId :

PB97590BS

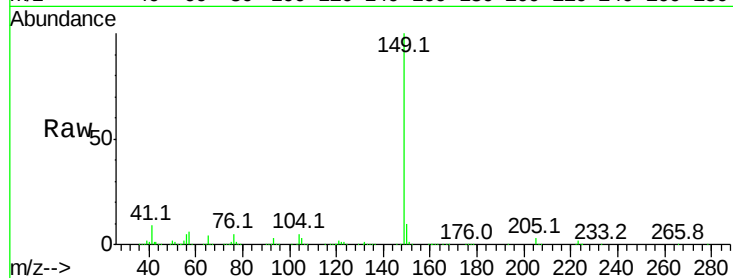
Tot Ion:149 Resp: 970517

Ion Ratio Lower Upper

149 100

150 9.6 8.1 12.1

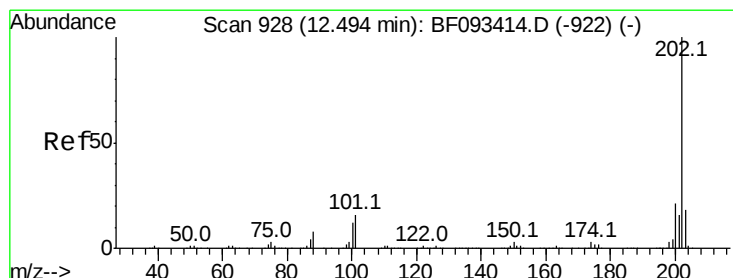
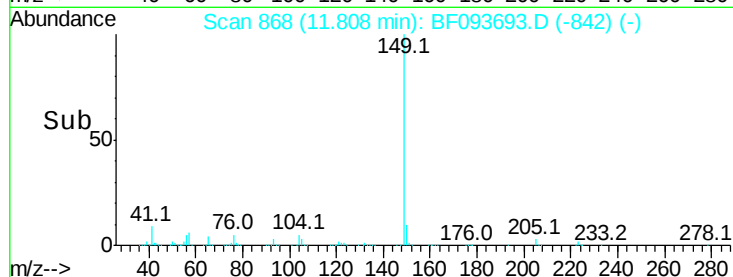
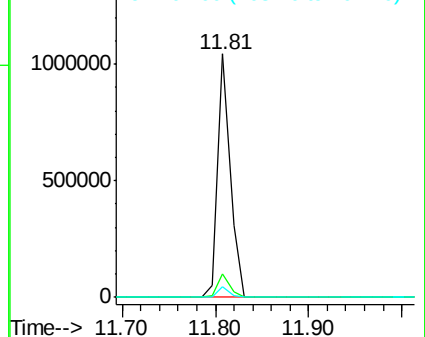
104 4.6 4.6 7.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 44.90 ng

RT: 12.46 min Scan# 925

Delta R.T. 0.00 min

Lab File: BF093693.D

Acq: 16 Mar 2017 5:35

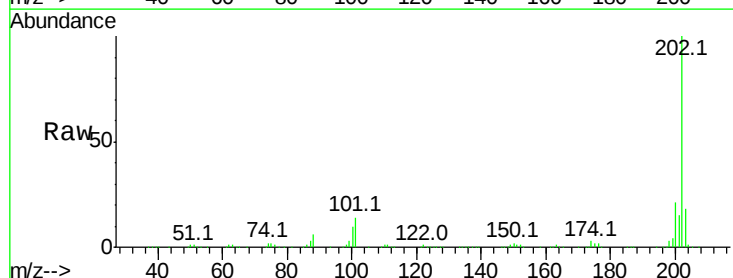
Tgt Ion:202 Resp: 813296

Ion Ratio Lower Upper

202 100

101 13.8 0.0 34.6

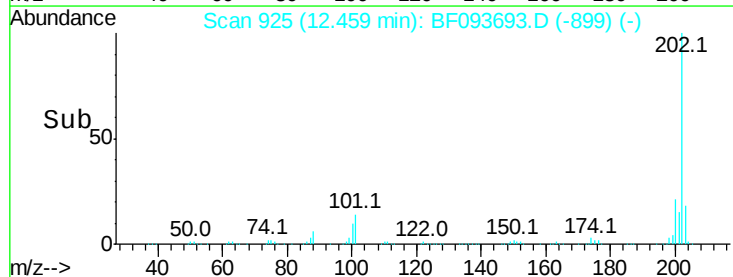
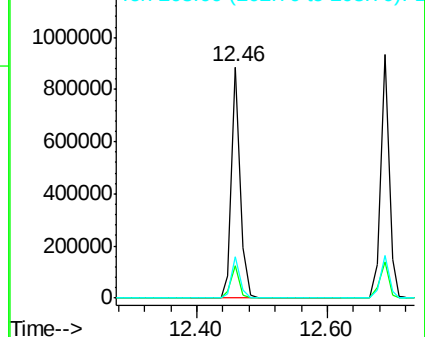
203 17.7 0.0 38.7

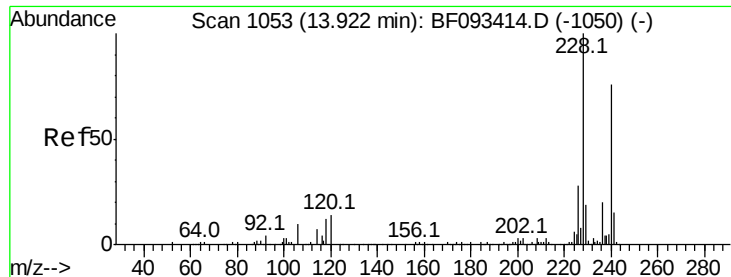


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.89 min Scan# 1050

Delta R.T. 0.00 min

Lab File: BF093693.D

Acq: 16 Mar 2017 5:35

Instrument :

BNA_F

ClientSampleId :

PB97590BS

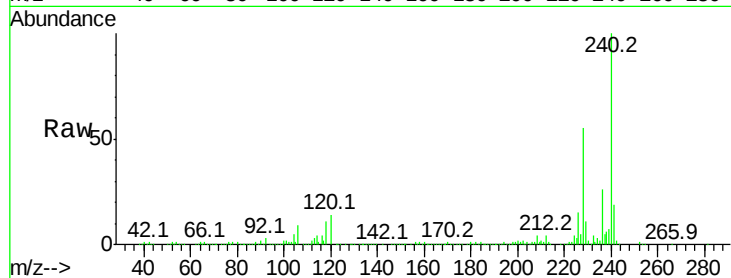
Tot Ion:240 Resp: 314719

Ion Ratio Lower Upper

240 100

120 13.8 12.9 19.3

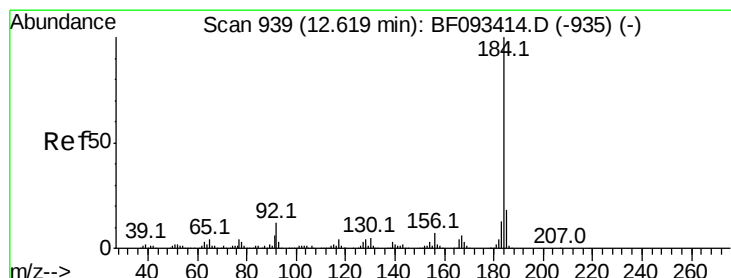
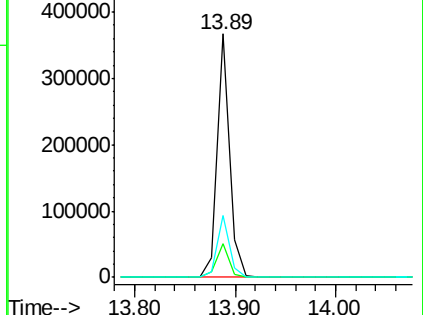
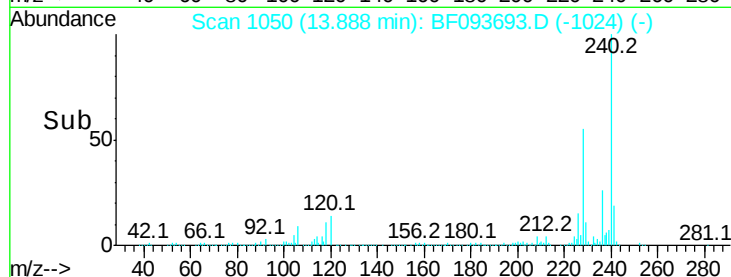
236 25.5 20.9 31.3



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



#76

Benzidine

Concen: 37.68 ng

RT: 12.60 min Scan# 937

Delta R.T. 0.01 min

Lab File: BF093693.D

Acq: 16 Mar 2017 5:35

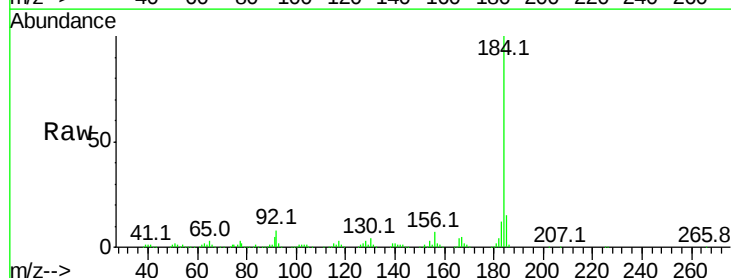
Tgt Ion:184 Resp: 390009

Ion Ratio Lower Upper

184 100

185 15.0 13.4 20.0

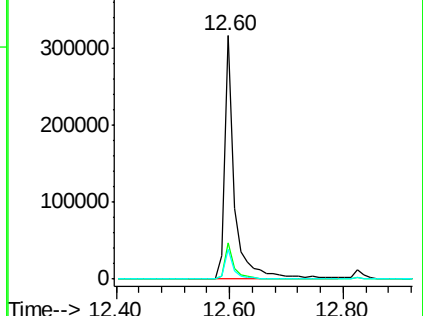
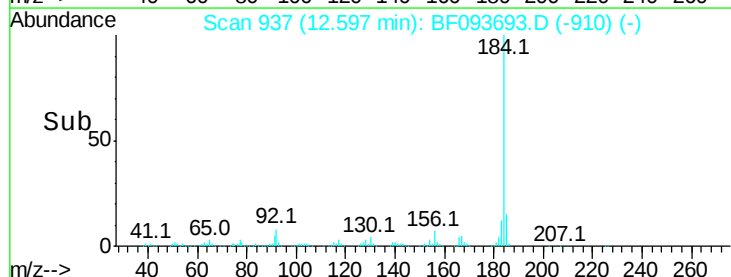
183 12.3 9.2 13.8

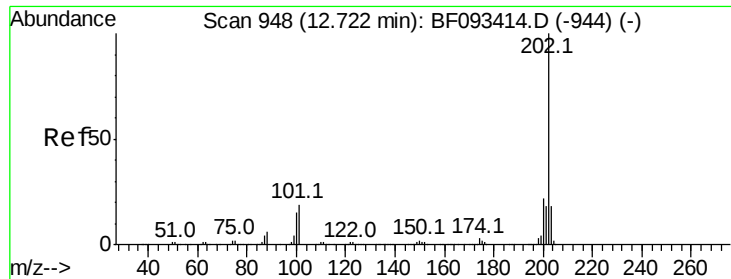


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 36.89 ng

RT: 12.69 min Scan# 945

Delta R.T. 0.01 min

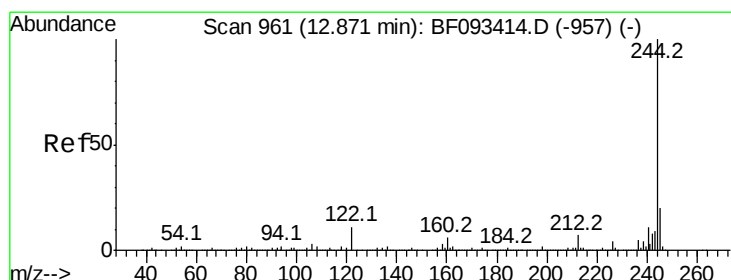
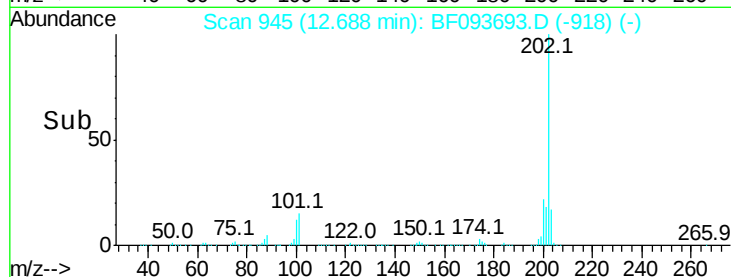
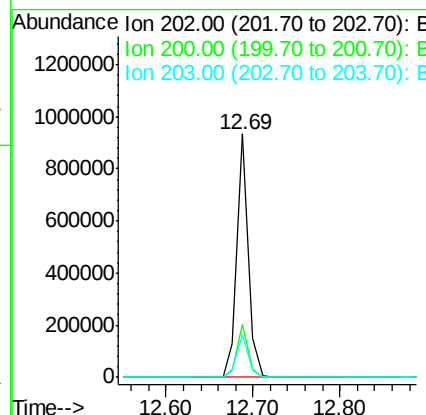
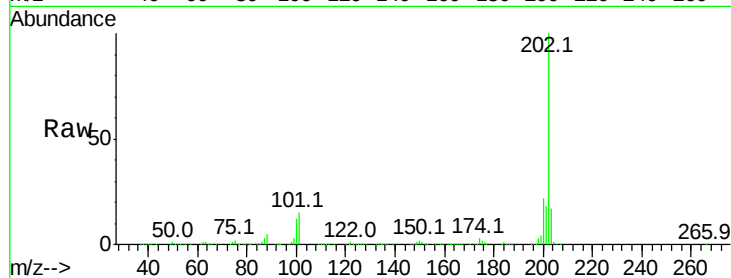
Lab File: BF093693.D

Acq: 16 Mar 2017 5:35

Instrument :
BNA_F
ClientSampleId :
PB97590BS

Tot Ion:202 Resp: 844442

Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.7	26.5
203	17.4	14.7	22.1



#78

Terphenyl-d14

Concen: 76.25 ng

RT: 12.83 min Scan# 957

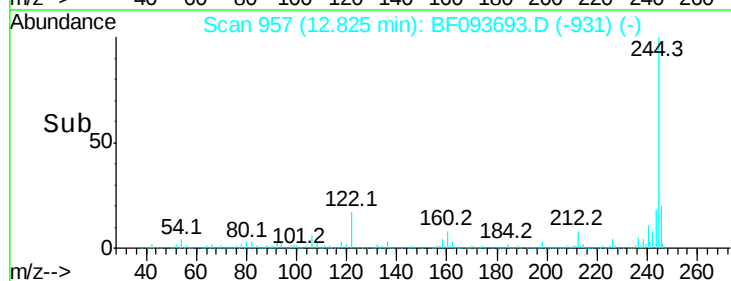
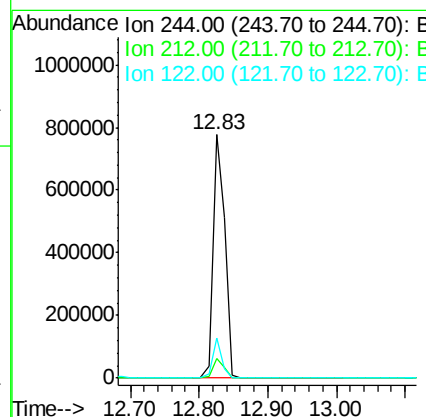
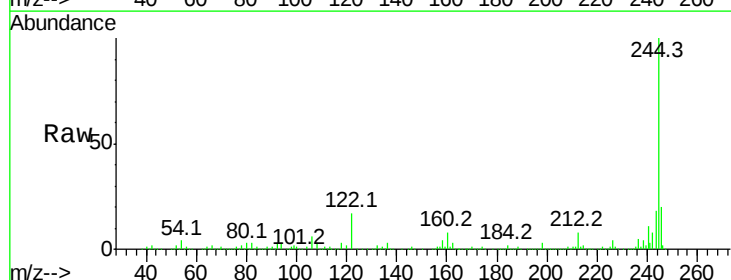
Delta R.T. 0.00 min

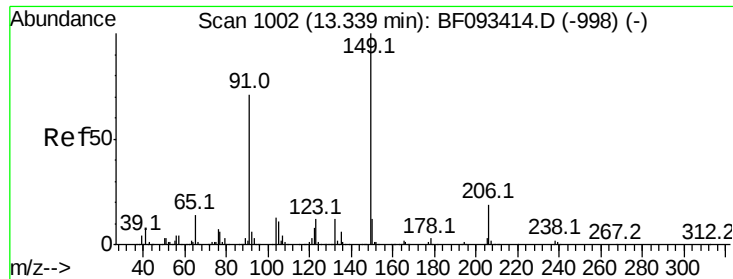
Lab File: BF093693.D

Acq: 16 Mar 2017 5:35

Tgt Ion:244 Resp: 923043

Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.2	9.2
122	16.6	11.4	17.2

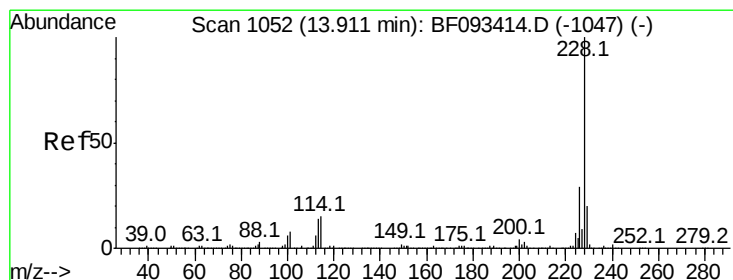
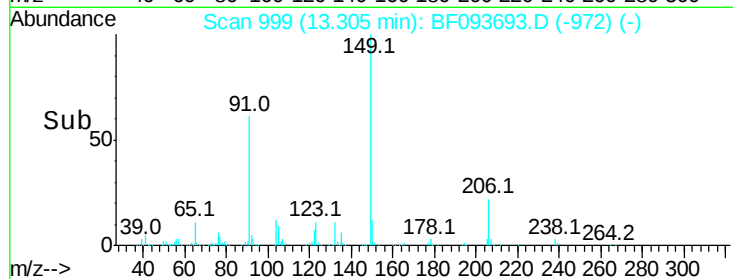
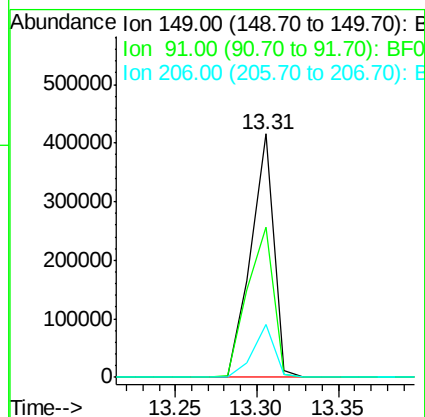
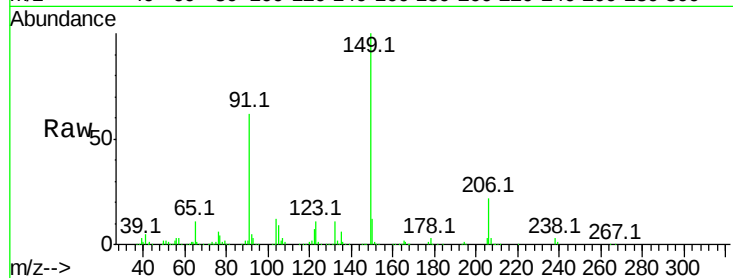




#79
Butylbenzylphthalate
Concen: 42.43 ng
RT: 13.31 min Scan# 999
Delta R.T. 0.01 min
Lab File: BF093693.D
Acq: 16 Mar 2017 5:35

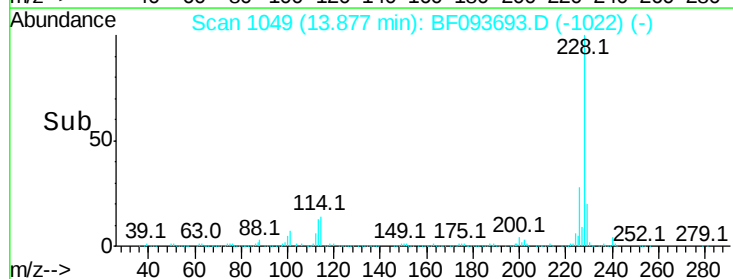
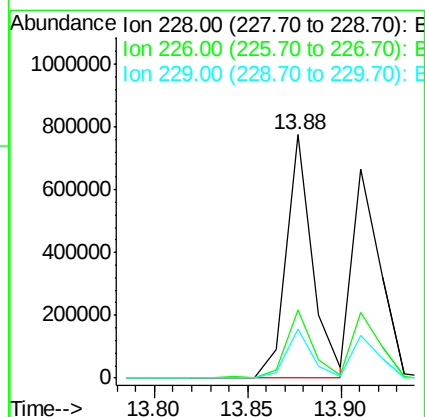
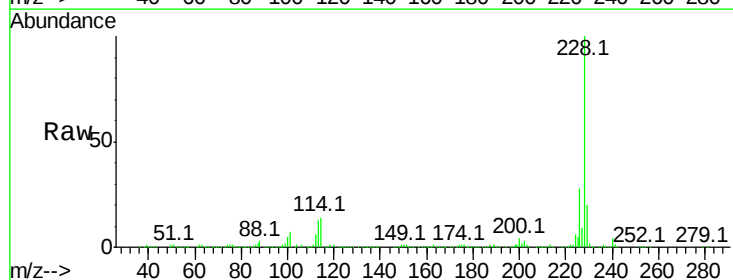
Instrument :
BNA_F
ClientSampled :
PB97590BS

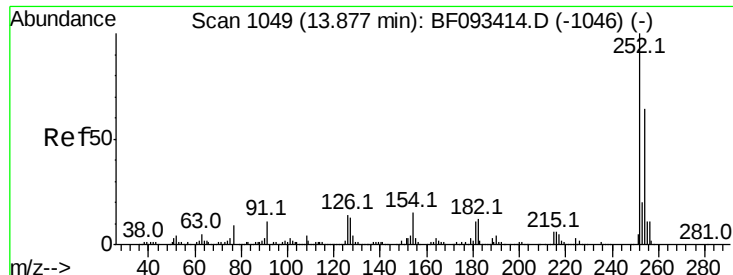
Tot Ion	Ratio	Lower	Upper
149	100		
91	61.6	63.9	95.9#
206	21.8	14.6	21.8



#80
Benzo(a)anthracene
Concen: 40.82 ng
RT: 13.88 min Scan# 1049
Delta R.T. 0.01 min
Lab File: BF093693.D
Acq: 16 Mar 2017 5:35

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.4	33.6
229	20.2	16.2	24.4

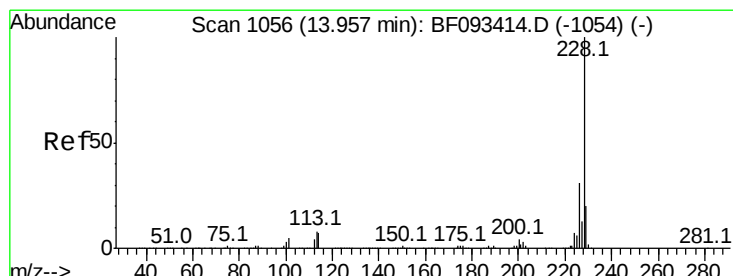
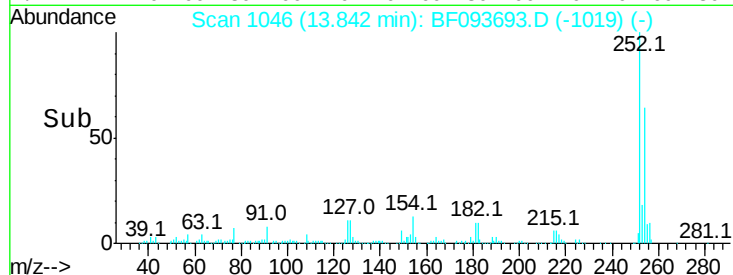
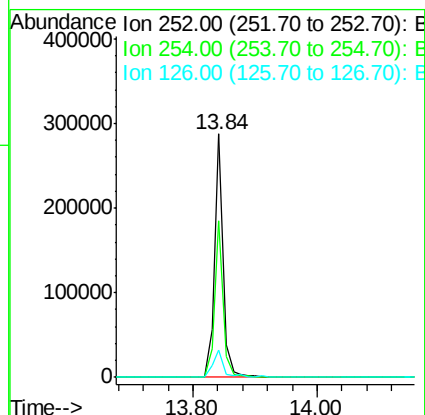
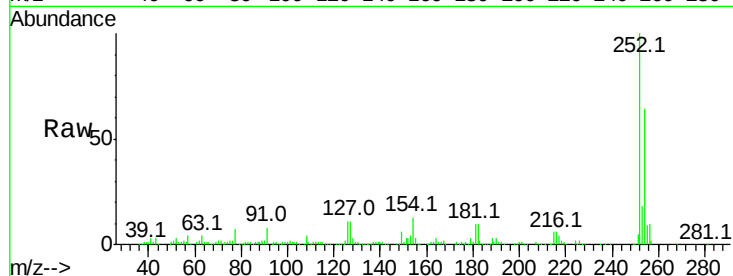




#81
 3,3'-Dichlorobenzidine
 Concen: 42.22 ng
 RT: 13.84 min Scan# 1046
 Delta R.T. 0.01 min
 Lab File: BF093693.D
 Acq: 16 Mar 2017 5:35

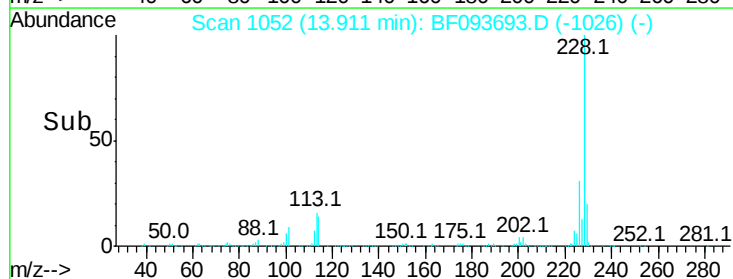
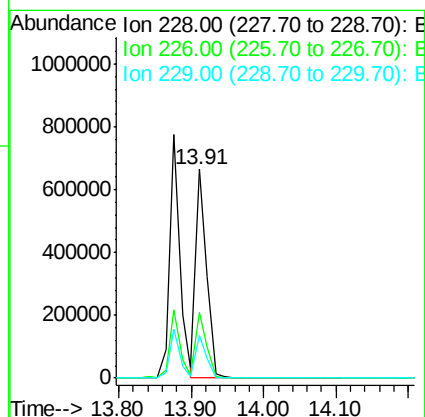
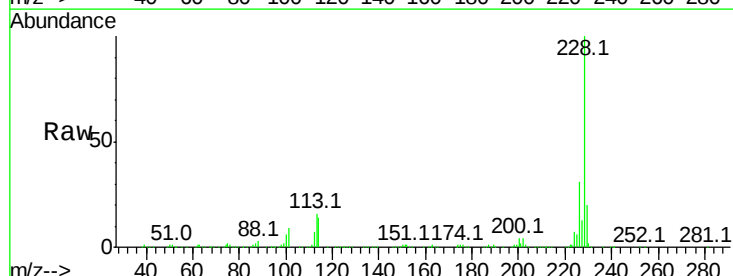
Instrument :
 BNA_F
 ClientSampleId :
 PB97590BS

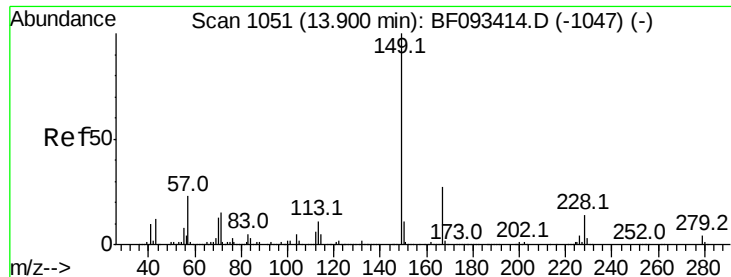
Tot Ion:252 Resp: 274816
 Ion Ratio Lower Upper
 252 100
 254 64.3 52.3 78.5
 126 11.4 13.6 20.4#



#82
 Chrysene
 Concen: 40.55 ng
 RT: 13.91 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: BF093693.D
 Acq: 16 Mar 2017 5:35

Tgt Ion:228 Resp: 697299
 Ion Ratio Lower Upper
 228 100
 226 31.2 25.4 38.0
 229 20.2 16.2 24.2





#83

Bis(2-ethylhexyl)phthalate

Concen: 42.37 ng

RT: 13.85 min Scan# 1047

Delta R.T. 0.00 min

Lab File: BF093693.D

Acq: 16 Mar 2017 5:35

Instrument :

BNA_F

ClientSampleId :

PB97590BS

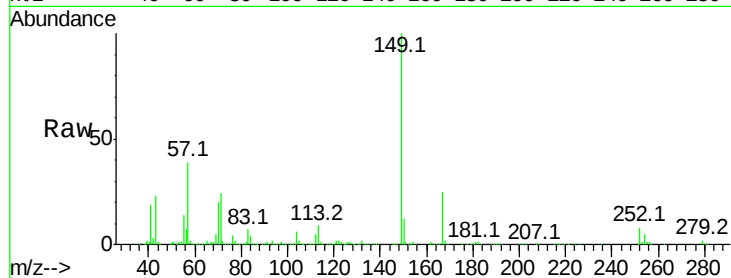
Tot Ion:149 Resp: 569059

Ion Ratio Lower Upper

149 100

167 25.3 20.2 30.4

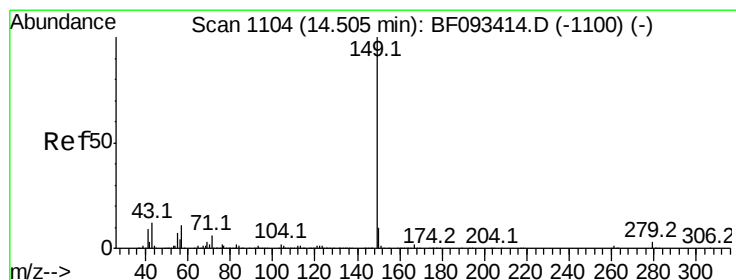
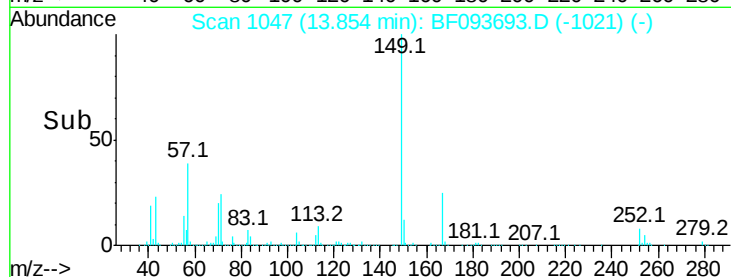
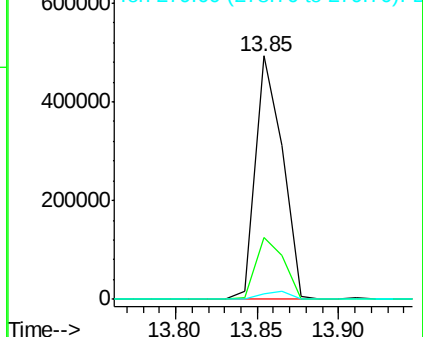
279 2.1 1.8 2.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 46.21 ng

RT: 14.47 min Scan# 1101

Delta R.T. 0.01 min

Lab File: BF093693.D

Acq: 16 Mar 2017 5:35

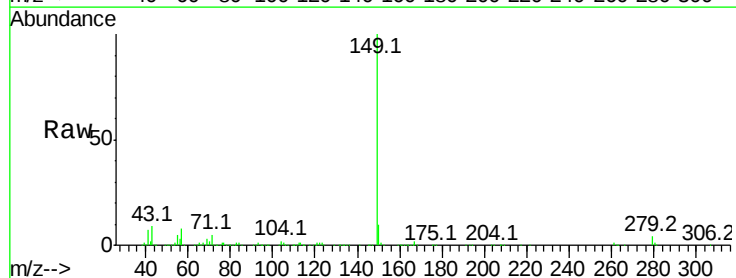
Tgt Ion:149 Resp: 1034429

Ion Ratio Lower Upper

149 100

167 1.5 1.3 1.9

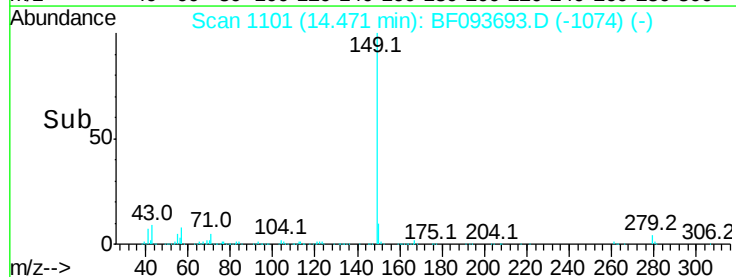
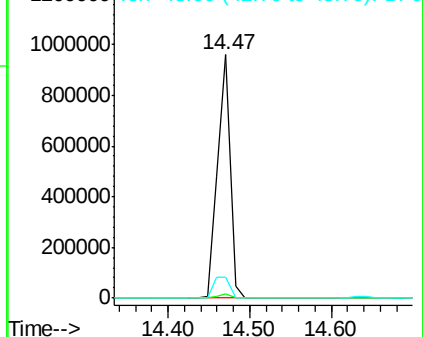
43 11.1 8.9 13.3

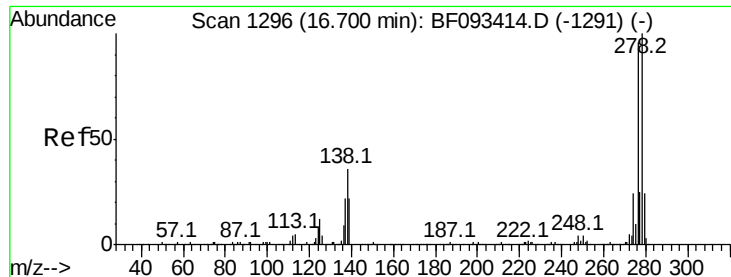


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0





#85

Indeno(1,2,3-cd)pyrene

Concen: 41.51 ng

RT: 16.64 min Scan# 1291

Delta R.T. 0.02 min

Lab File: BF093693.D

Acq: 16 Mar 2017 5:35

Instrument :

BNA_F

ClientSampleId :

PB97590BS

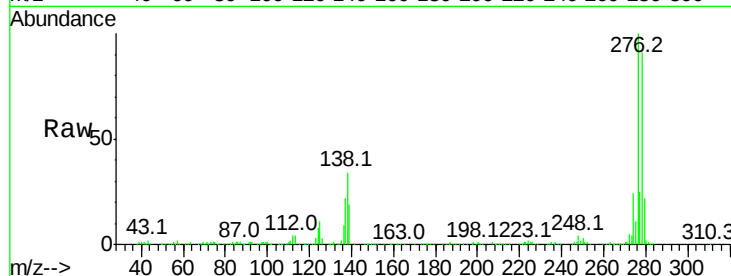
Tot Ion:276 Resp: 597556

Ion Ratio Lower Upper

276 100

138 33.2 21.8 32.6#

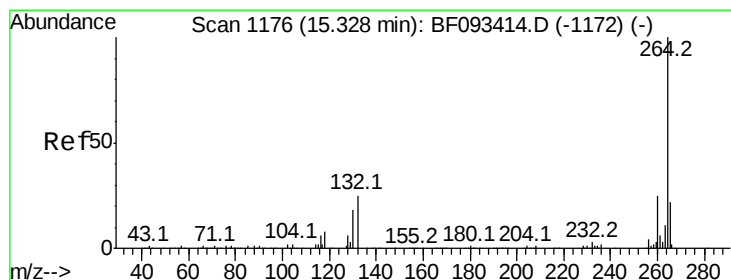
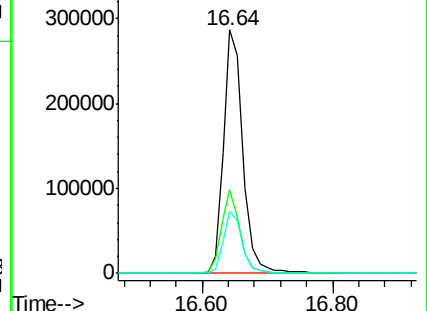
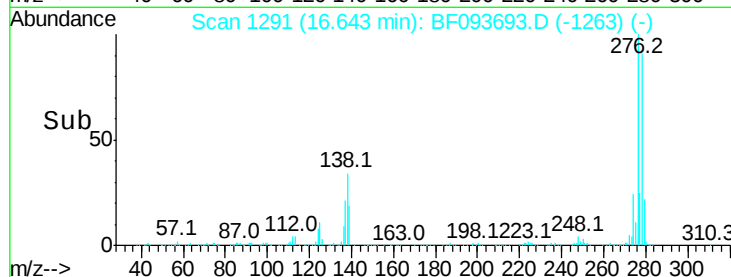
277 25.0 20.2 30.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.29 min Scan# 1173

Delta R.T. 0.01 min

Lab File: BF093693.D

Acq: 16 Mar 2017 5:35

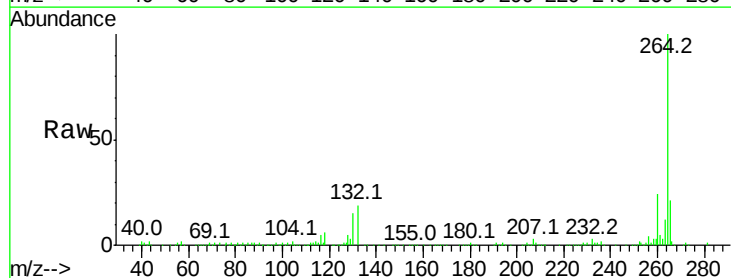
Tgt Ion:264 Resp: 257367

Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

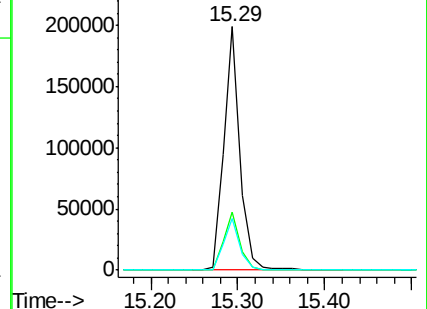
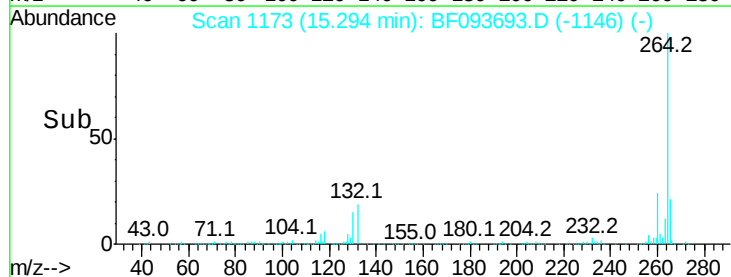
265 21.3 17.4 26.0

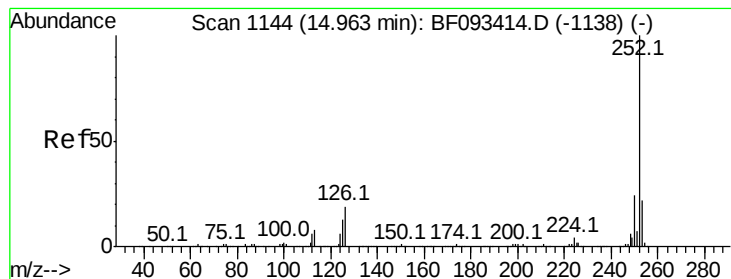


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 92.58 ng

RT: 14.93 min Scan# 1141

Delta R.T. 0.03 min

Lab File: BF093693.D

Acq: 16 Mar 2017 5:35

Instrument :

BNA_F

ClientSampleId :

PB97590BS

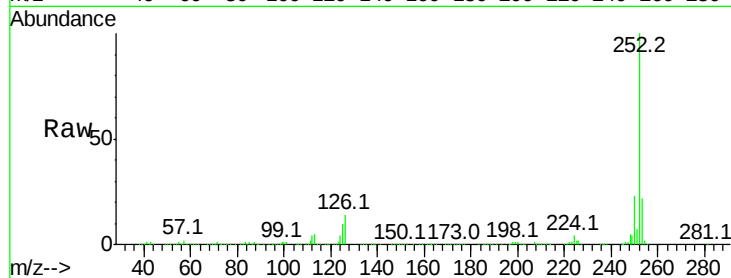
Tot Ion:252 Resp: 1451071

Ion Ratio Lower Upper

252 100

253 22.1 18.2 27.4

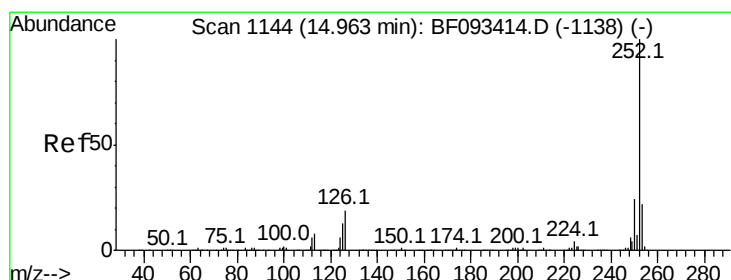
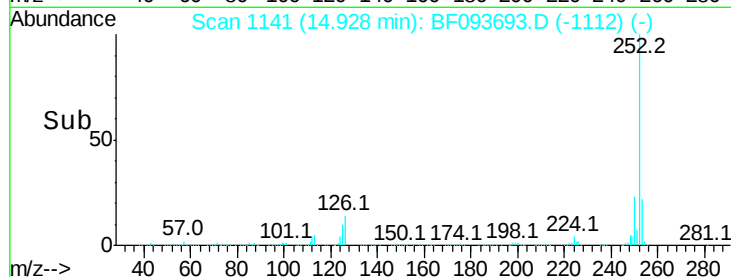
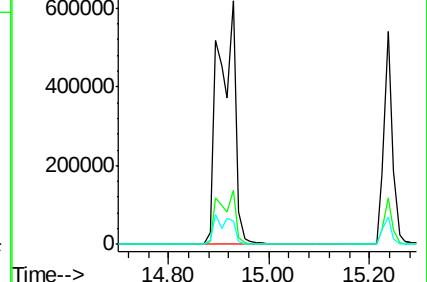
125 9.7 9.8 14.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 96.00 ng

RT: 14.93 min Scan# 1141

Delta R.T. 0.01 min

Lab File: BF093693.D

Acq: 16 Mar 2017 5:35

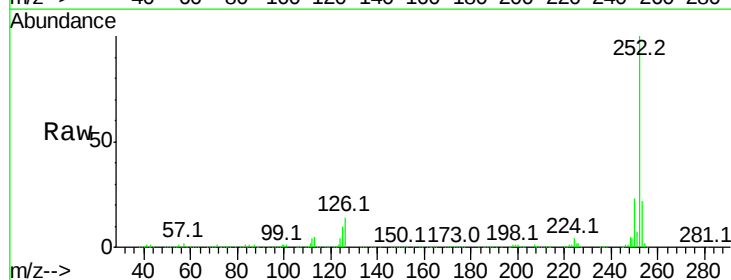
Tgt Ion:252 Resp: 1451071

Ion Ratio Lower Upper

252 100

253 22.1 18.5 27.7

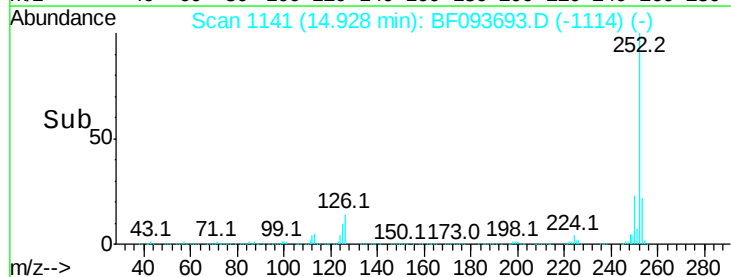
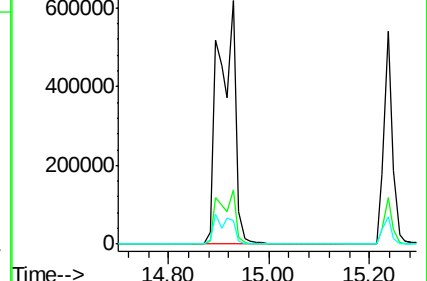
125 9.7 8.9 13.3

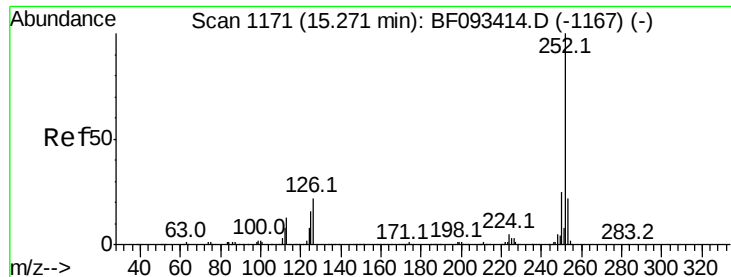


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

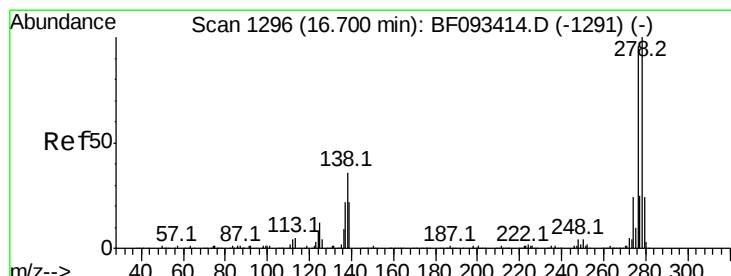
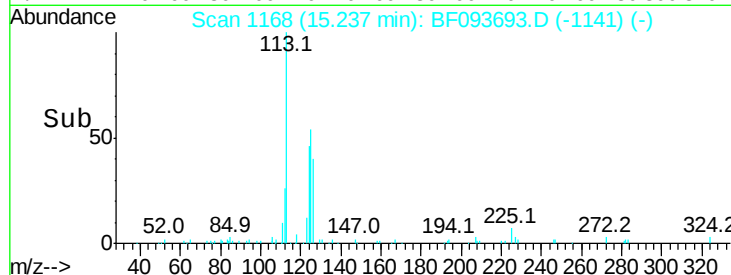
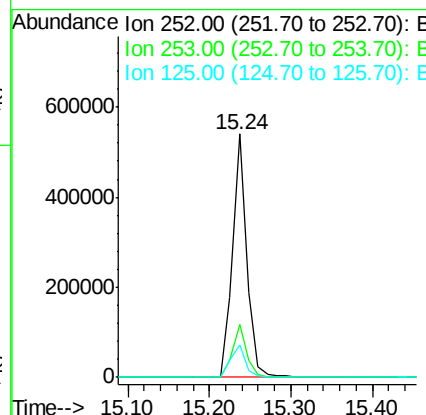
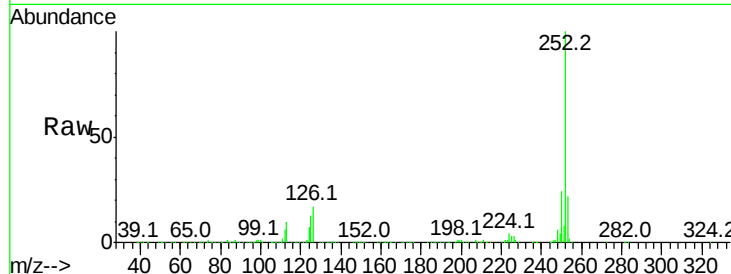




#89
Benzo(a)pyrene
Concen: 45.58 ng
RT: 15.24 min Scan# 1168
Delta R.T. 0.01 min
Lab File: BF093693.D
Acq: 16 Mar 2017 5:35

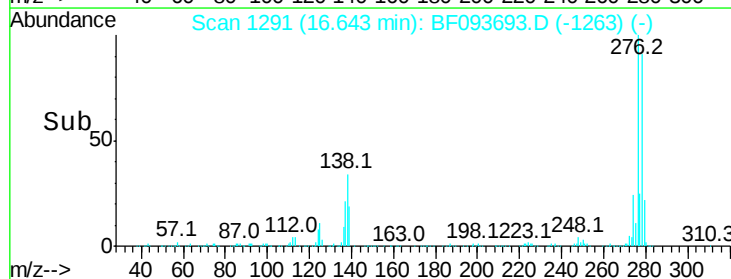
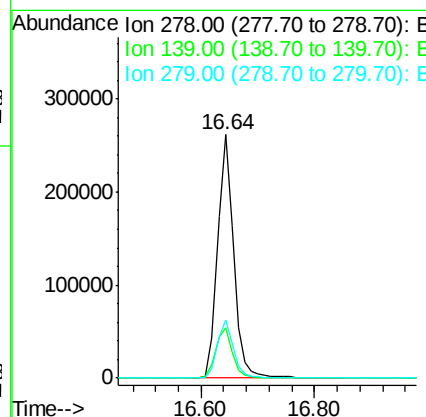
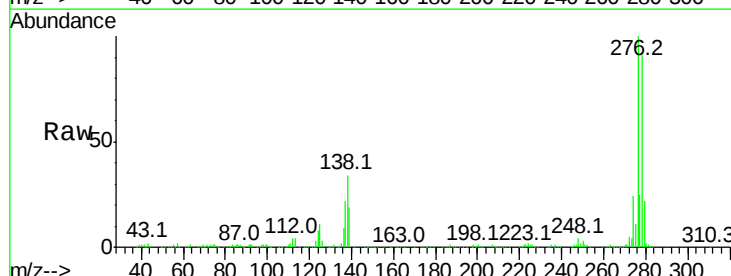
Instrument :
BNA_F
ClientSampleId :
PB97590BS

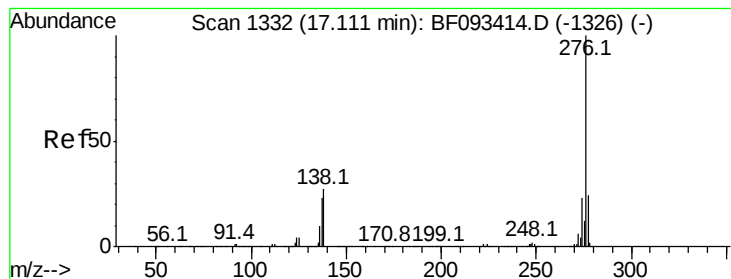
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.2	27.2
125	13.1	10.0	15.0



#90
Dibenzo(a,h)anthracene
Concen: 43.09 ng
RT: 16.64 min Scan# 1291
Delta R.T. 0.02 min
Lab File: BF093693.D
Acq: 16 Mar 2017 5:35

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.8	14.8	22.2
279	24.0	19.8	29.6





#91

Benzo(a,h,i)perylene

Concen: 40.00 ng

RT: 17.05 min Scan# 1327

Delta R.T. 0.03 min

Lab File: BF093693.D

Acq: 16 Mar 2017 5:35

Instrument :

BNA_F

ClientSampleId :

PB97590BS

Tot Ion:276 Resp: 486572

Ion Ratio Lower Upper

276 100

277 23.5 19.2 28.8

138 26.6 16.0 24.0#

