

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031017\
 Data File : BF093529.D
 Acq On : 10 Mar 2017 18:33
 Operator : SJ/MA
 Sample : I2172-21MSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 D-38MSD

Quant Time: Mar 10 22:16:43 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 07 15:55:22 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	200115	20.00	ng	-0.02
21) Naphthalene-d8	8.02	136	781125	20.00	ng	-0.03
38) Acenaphthene-d10	9.77	164	364930	20.00	ng	-0.03
63) Phenanthrene-d10	11.26	188	692614	20.00	ng	-0.02
75) Chrysene-d12	13.91	240	529449	20.00	ng	-0.01
86) Perylene-d12	15.31	264	399714	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.37	112	1525239	126.85	ng	0.02
7) Phenol-d6	6.42	99	1894323	124.94	ng	0.01
23) Nitrobenzene-d5	7.33	82	1344269	95.49	ng	-0.01
41) 2,4,6-Tribromophenol	10.57	330	356180	149.81	ng	-0.02
44) 2-Fluorobiphenyl	9.10	172	2001477	102.01	ng	-0.03
78) Terphenyl-d14	12.85	244	1618683	79.49	ng	-0.02

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.45	88	245931	37.13	ng	# 72
3) Pyridine	3.17	79	113563	6.73	ng	88
4) n-Nitrosodimethylamine	3.04	42	332085	41.18	ng	82
6) Aniline	6.44	93	215338	10.35	ng	# 49
8) 2-Chlorophenol	6.55	128	572103	42.47	ng	96
9) Benzaldehyde	6.31	77	61121	4.50	ng	98
10) Phenol	6.44	94	729275	39.25	ng	86
11) bis(2-Chloroethyl)ether	6.49	93	637454	42.45	ng	99
12) 1,3-Dichlorobenzene	6.69	146	622605	40.38	ng	98
13) 1,4-Dichlorobenzene	6.76	146	621894	39.39	ng	98
14) 1,2-Dichlorobenzene	6.92	146	551184	39.42	ng	98
15) Benzyl Alcohol	6.92	79	469626	43.45	ng	95
16) 2,2'-oxybis(1-Chloropropan	7.03	45	1069764	42.88	ng	95
17) 2-Methylphenol	7.04	107	498523	43.75	ng	97
18) Hexachloroethane	7.25	117	215842	40.54	ng	93
19) n-Nitroso-di-n-propylamine	7.18	70	512357	49.15	ng	97
20) 3+4-Methylphenols	7.20	107	671389	45.43	ng	# 70
22) Acetophenone	7.17	105	865350	46.04	ng	97
24) Nitrobenzene	7.34	77	674422	42.62	ng	99
25) Isophorone	7.58	82	1260112	44.39	ng	96
26) 2-Nitrophenol	7.66	139	343758	47.62	ng	93
27) 2,4-Dimethylphenol	7.72	122	540611	46.03	ng	95
28) bis(2-Chloroethoxy)methane	7.78	93	766329	42.76	ng	98
29) 2,4-Dichlorophenol	7.92	162	536674	48.58	ng	92
30) 1,2,4-Trichlorobenzene	7.98	180	511508	43.54	ng	98
31) Naphthalene	8.05	128	1595636	40.76	ng	99
32) Benzoic acid	7.88	122	267036	43.76	ng	97
33) 4-Chloroaniline	8.15	127	175195	11.03	ng	96
34) Hexachlorobutadiene	8.16	225	258269	42.68	ng	100
35) Caprolactam	8.50	113	78066	20.69	ng	# 50
36) 4-Chloro-3-methylphenol	8.63	107	540423	45.83	ng	97
37) 2-Methylnaphthalene	8.74	142	1160191	46.58	ng	97
39) 1,2,4,5-Tetrachlorobenzene	8.90	216	474679	47.64	ng	99
40) Hexachlorocyclopentadiene	8.88	237	274034	104.61	ng	95

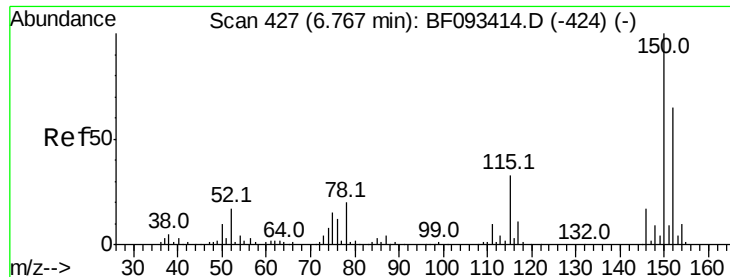
Data Path : Z:\HPCHEM1\BNA F\DATA\BF031017\
 Data File : BF093529.D
 Acq On : 10 Mar 2017 18:33
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.04	196	338918	54.44	nq	94
43) 2,4,5-Trichlorophenol	9.04	196	338918	50.73	nq	# 86
45) 1,1'-Biphenyl	9.20	154	1282365	48.24	nq	97
46) 2-Chloronaphthalene	9.22	162	1066248	52.40	nq	95
47) 2-Nitroaniline	9.35	65	394679	54.87	nq	# 76
48) Acenaphthylene	9.65	152	1677530	49.99	nq	98
49) Dimethylphthalate	9.51	163	1217834	50.34	nq	99
50) 2,6-Dinitrotoluene	9.59	165	280630	52.86	nq	# 74
51) Acenaphthene	9.81	154	963487	48.55	nq	97
52) 3-Nitroaniline	9.76	138	126546	19.84	nq	90
53) 2,4-Dinitrophenol	9.89	184	212878	88.05	nq	# 78
54) Dibenzofuran	9.99	168	1415292	56.98	nq	97
55) 4-Nitrophenol	9.98	139	849478	274.22	nq	# 23
56) 2,4-Dinitrotoluene	9.99	165	340198	52.16	nq	# 64
57) Fluorene	10.33	166	1108393	52.66	nq	98
58) 2,3,4,6-Tetrachlorophenol	10.12	232	281072	59.62	nq	93
59) Diethylphthalate	10.21	149	1179691	51.02	nq	99
60) 4-Chlorophenyl-phenylether	10.32	204	532918	56.49	nq	# 80
61) 4-Nitroaniline	10.38	138	253392	38.85	nq	95
62) Azobenzene	10.48	77	1538274	58.55	nq	94
64) 4,6-Dinitro-2-methylphenol	10.41	198	169375	37.74	nq	85
65) n-Nitrosodiphenylamine	10.45	169	1010347	43.69	nq	99
66) 4-Bromophenyl-phenylether	10.80	248	305133	41.66	nq	92
67) Hexachlorobenzene	10.88	284	306159	43.78	nq	# 89
68) Atrazine	10.97	200	228010	33.68	nq	98
69) Pentachlorophenol	11.09	266	217656	90.14	nq	97
70) Phenanthrene	11.29	178	1766552	44.68	nq	98
71) Anthracene	11.34	178	1615941	40.41	nq	99
72) Carbazole	11.51	167	1609730	42.85	nq	97
73) Di-n-butylphthalate	11.82	149	1945434	44.76	nq	99
74) Fluoranthene	12.48	202	1741751	45.61	nq	92
77) Pyrene	12.70	202	1626688	42.25	nq	100
79) Butylbenzylphthalate	13.32	149	730094	45.04	nq	97
80) Benzo(a)anthracene	13.90	228	1389747	44.45	nq	99
81) 3,3'-Dichlorobenzidine	13.85	252	131242	11.98	nq	97
82) Chrysene	13.93	228	1240166	42.87	nq	99
83) Bis(2-ethylhexyl)phthalate	13.88	149	1066134	47.19	nq	# 97
84) Di-n-octyl phthalate	14.48	149	1628544	43.25	nq	99
85) Indeno(1,2,3-cd)pyrene	16.68	276	1032633	42.65	nq	# 93
87) Benzo(b)fluoranthene	14.92	252	2254144	92.60	nq	99
88) Benzo(k)fluoranthene	14.92	252	2254922	96.05	nq	98
89) Benzo(a)pyrene	15.26	252	1044231	46.94	nq	97
90) Dibenzo(a,h)anthracene	16.68	278	868295	47.17	nq	98
91) Benzo(g,h,i)perylene	17.08	276	909727	48.16	nq	# 89

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.74 min Scan# 425

Delta R.T. -0.02 min

Lab File: BF093529.D

Acq: 10 Mar 2017 18:33

Instrument :

BNA_F

ClientSampleId :

D-38MSD

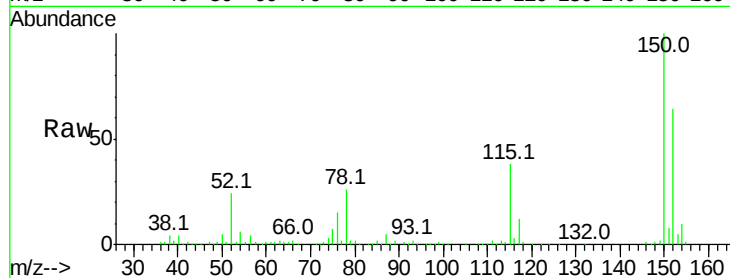
Tot Ion:152 Resp: 200115

Ion Ratio Lower Upper

152 100

150 156.8 124.9 187.3

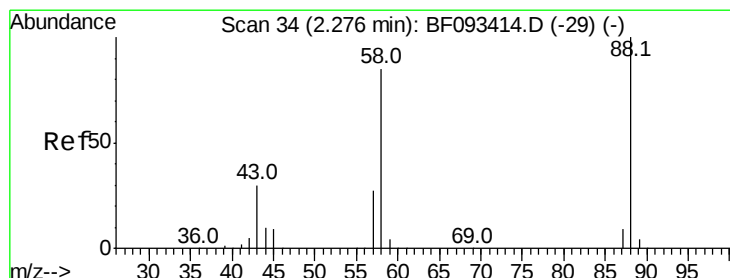
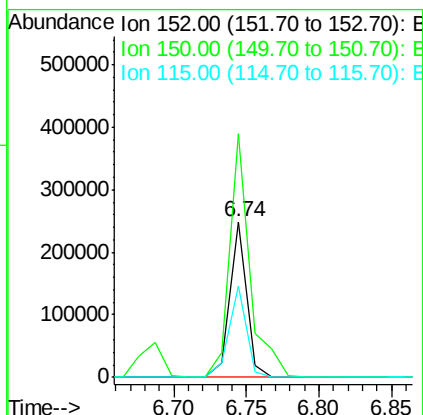
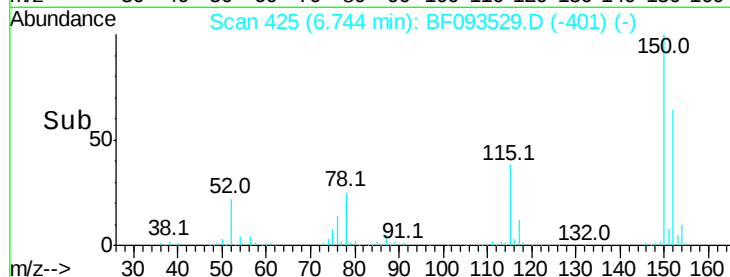
115 59.0 46.0 69.0



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: 37.13 ng

RT: 2.45 min Scan# 49

Delta R.T. 0.17 min

Lab File: BF093529.D

Acq: 10 Mar 2017 18:33

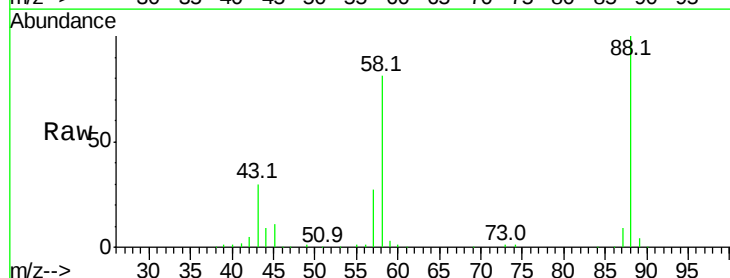
Tgt Ion: 88 Resp: 245931

Ion Ratio Lower Upper

88 100

58 87.1 57.8 86.8#

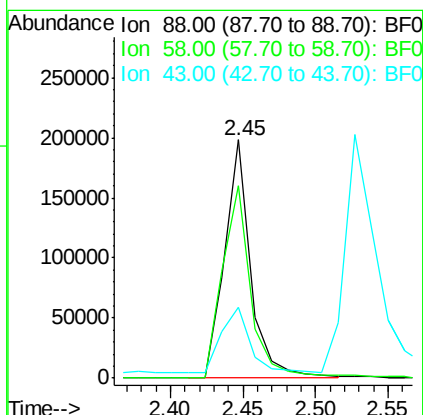
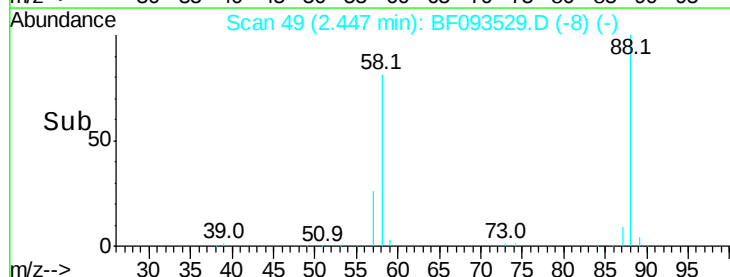
43 0.0 22.3 33.5#

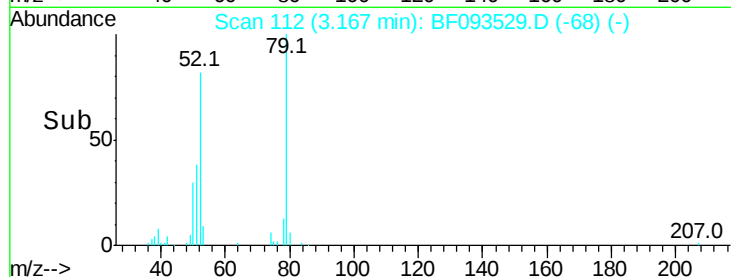
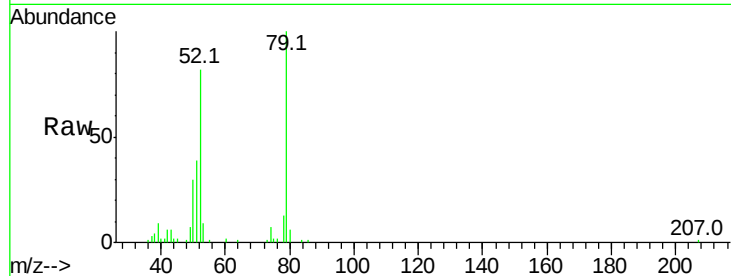
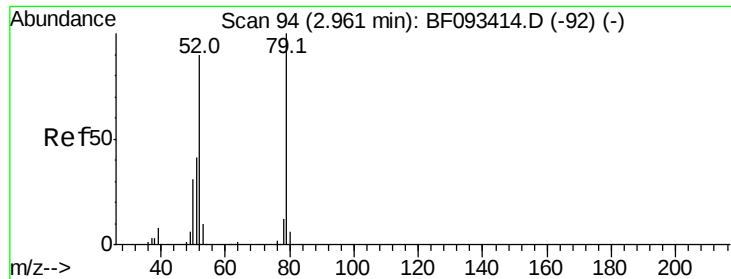


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0

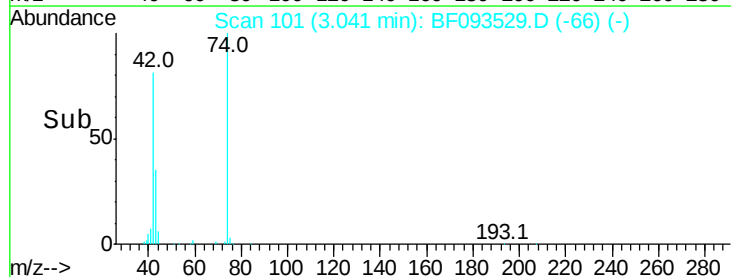
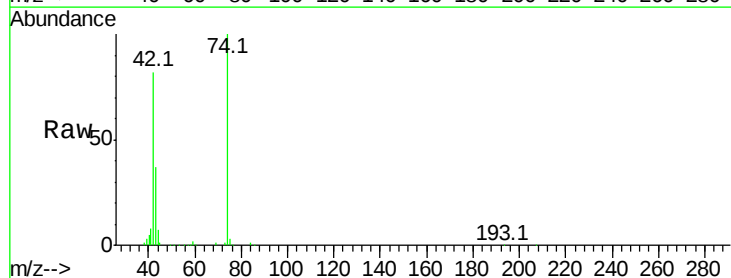
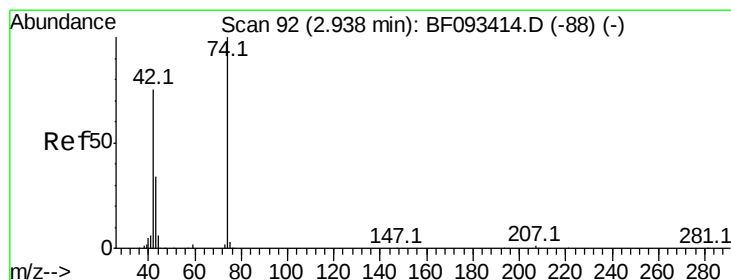
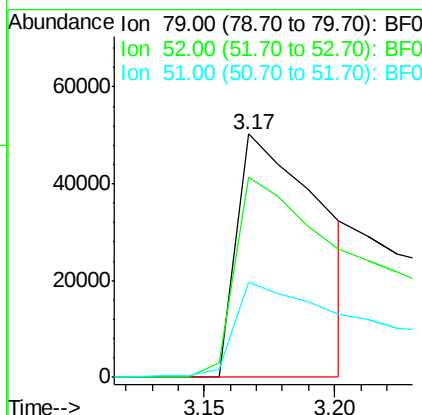




#3
 Pvridine
 Concen: 6.73 ng
 RT: 3.17 min Scan# 112
 Delta R.T. 0.21 min
 Lab File: BF093529.D
 Acq: 10 Mar 2017 18:33

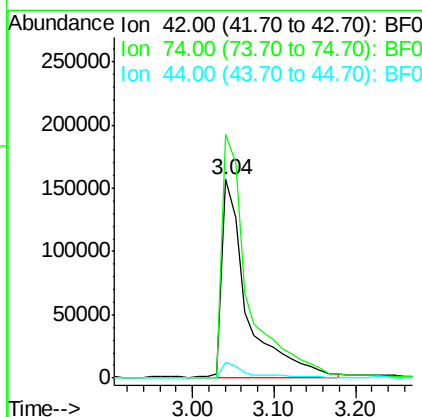
Instrument :
 BNA_F
 ClientSampleId :
 D-38MSD

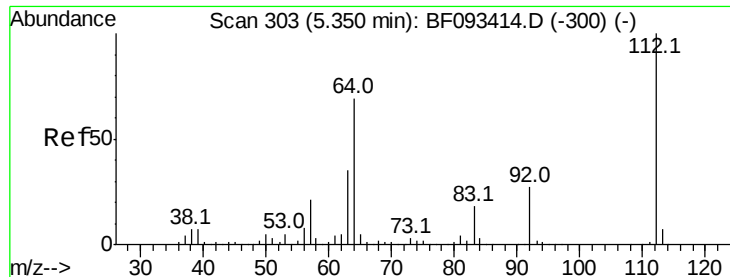
Tot Ion: 79 Resp: 113563
 Ion Ratio Lower Upper
 79 100
 52 82.2 57.1 85.7
 51 39.1 27.3 40.9



#4
 n-Nitrosodimethylamine
 Concen: 41.18 ng
 RT: 3.04 min Scan# 101
 Delta R.T. 0.10 min
 Lab File: BF093529.D
 Acq: 10 Mar 2017 18:33

Tgt Ion: 42 Resp: 332085
 Ion Ratio Lower Upper
 42 100
 74 122.6 117.0 175.4
 44 8.0 5.5 8.3





#5

2-Fluorophenol

Concen: 126.85 ng

RT: 5.37 min Scan# 305

Delta R.T. 0.02 min

Lab File: BF093529.D

Acq: 10 Mar 2017 18:33

Instrument :

BNA_F

ClientSampleId :

D-38MSD

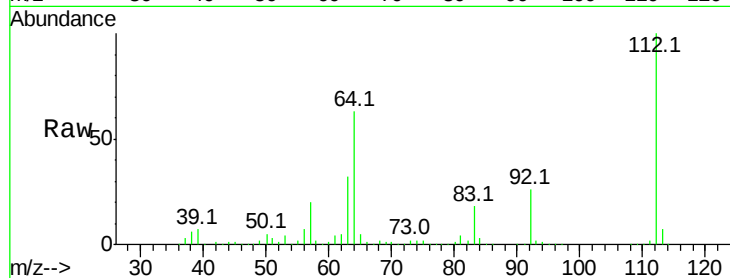
Tot Ion:112 Resp: 1525239

Ion Ratio Lower Upper

112 100

64 63.3 46.1 69.1

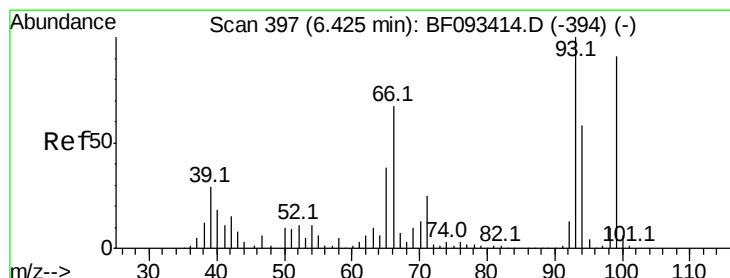
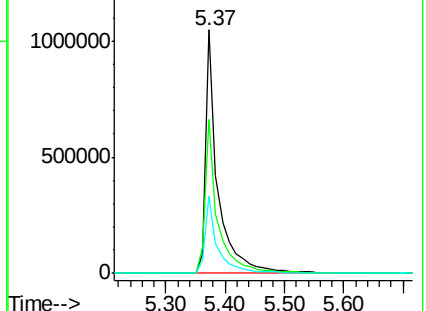
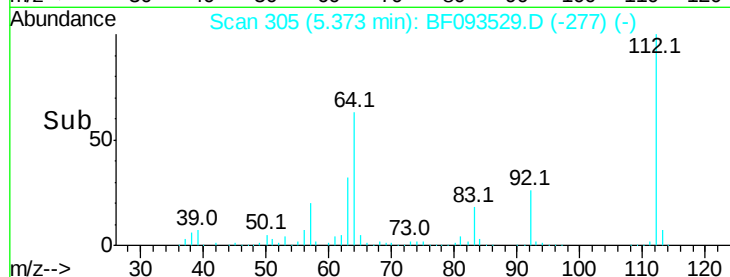
63 32.0 23.8 35.6



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 10.35 ng

RT: 6.44 min Scan# 398

Delta R.T. 0.01 min

Lab File: BF093529.D

Acq: 10 Mar 2017 18:33

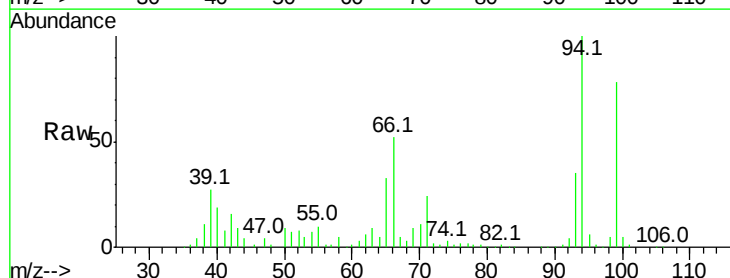
Tgt Ion: 93 Resp: 215338

Ion Ratio Lower Upper

93 100

66 148.6 76.2 114.2#

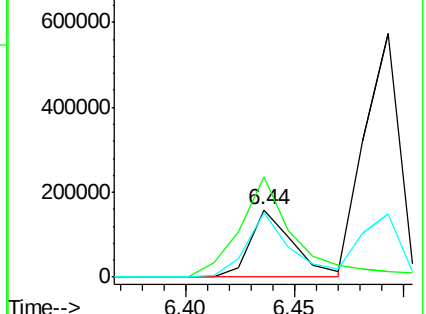
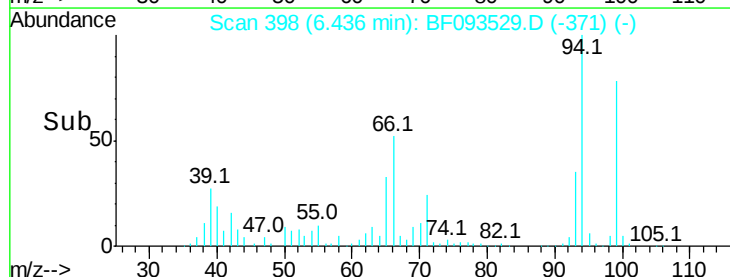
65 96.1 49.3 73.9#

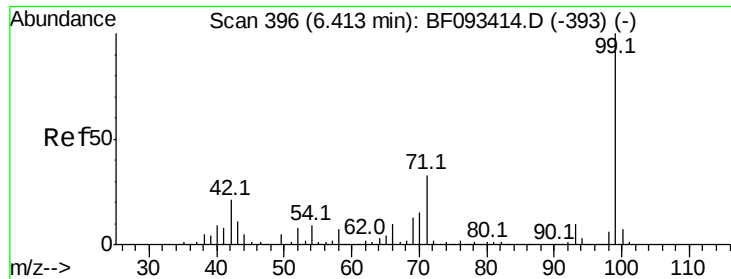


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 124.94 ng

RT: 6.42 min Scan# 397

Delta R.T. 0.01 min

Lab File: BF093529.D

Acq: 10 Mar 2017 18:33

Instrument :

BNA_F

ClientSampleId :

D-38MSD

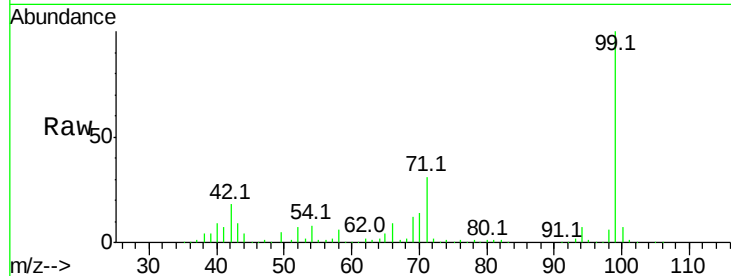
Tot Ion: 99 Resp: 1894323

Ion Ratio Lower Upper

99 100

42 18.2 15.6 23.4

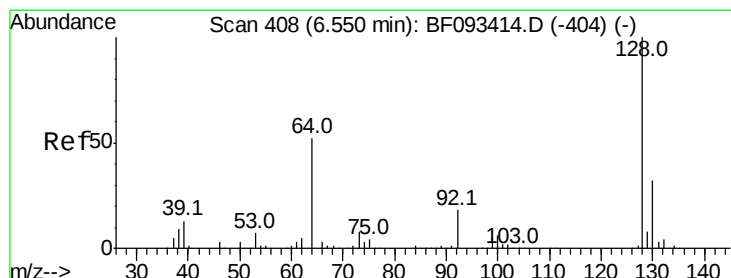
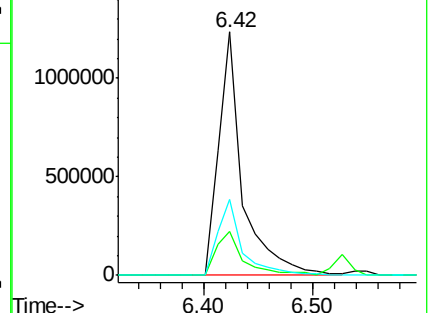
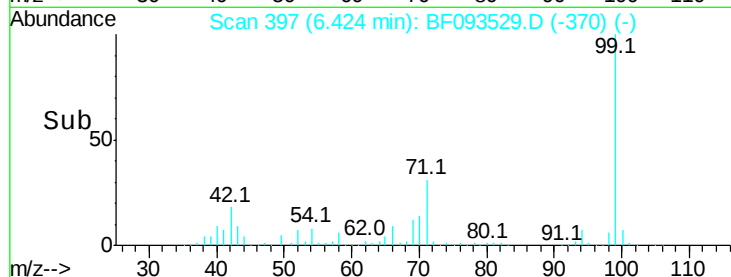
71 31.4 27.5 41.3



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: 42.47 ng

RT: 6.55 min Scan# 408

Delta R.T. -0.00 min

Lab File: BF093529.D

Acq: 10 Mar 2017 18:33

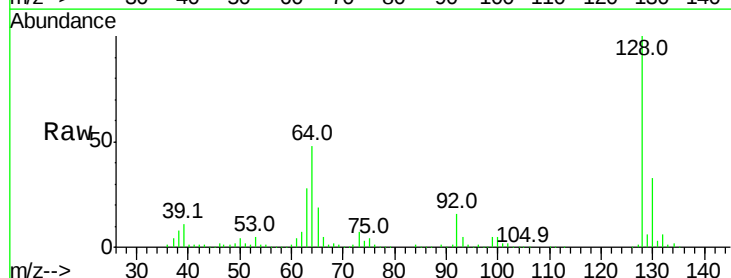
Tgt Ion:128 Resp: 572103

Ion Ratio Lower Upper

128 100

130 32.9 12.3 52.3

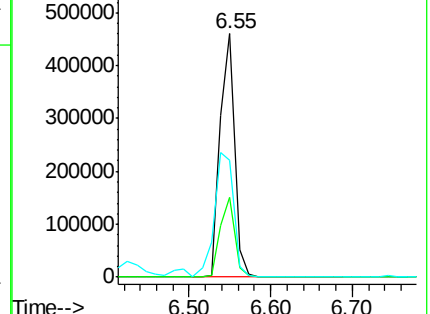
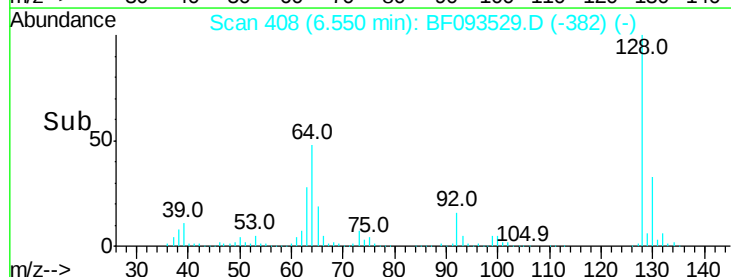
64 48.0 32.2 72.2



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: 4.50 ng

RT: 6.31 min Scan# 387

Delta R.T. -0.00 min

Lab File: BF093529.D

Acq: 10 Mar 2017 18:33

Instrument :

BNA_F

ClientSampled :

D-38MSD

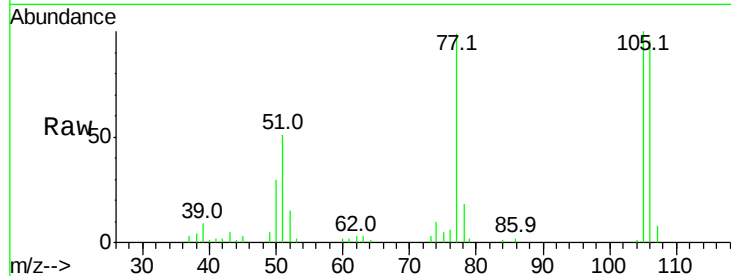
Tot Ion: 77 Resp: 61121

Ion Ratio Lower Upper

77 100

105 100.8 83.9 123.9

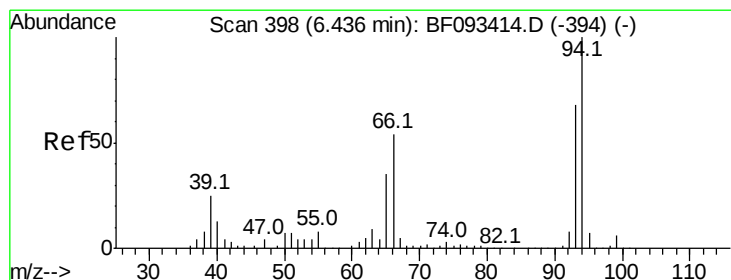
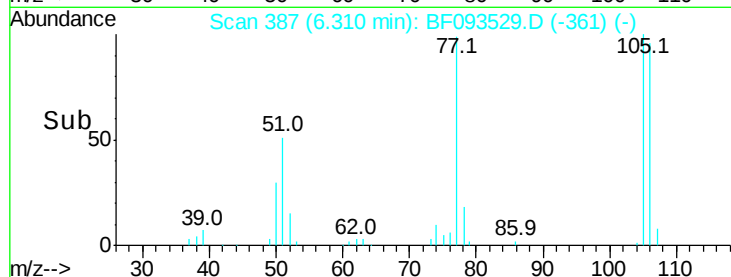
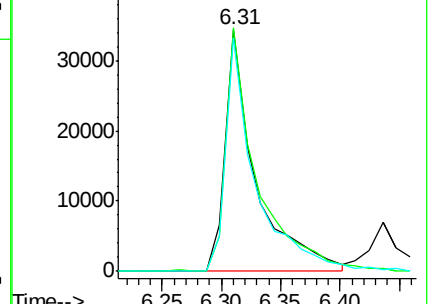
106 96.5 77.6 117.6



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: 39.25 ng

RT: 6.44 min Scan# 398

Delta R.T. -0.00 min

Lab File: BF093529.D

Acq: 10 Mar 2017 18:33

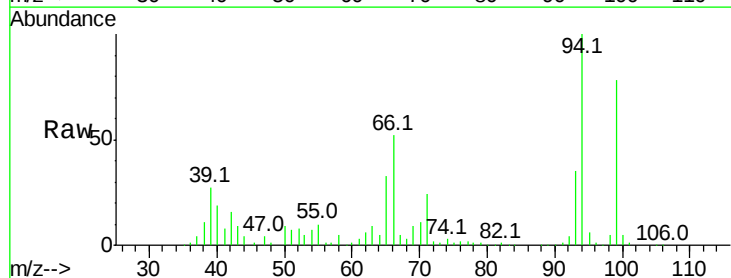
Tgt Ion: 94 Resp: 729275

Ion Ratio Lower Upper

94 100

65 33.5 21.4 61.4

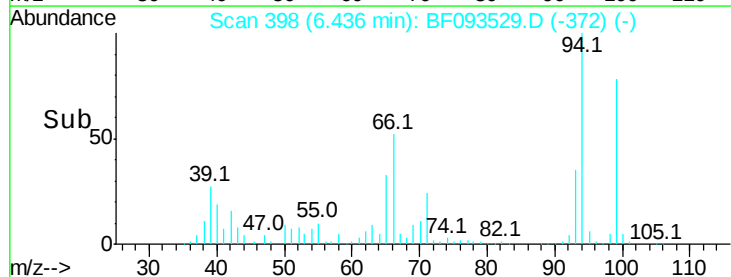
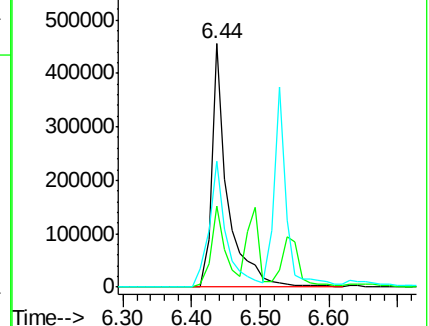
66 51.8 44.0 84.0

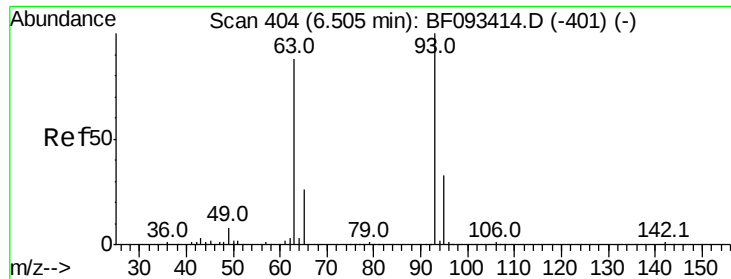


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

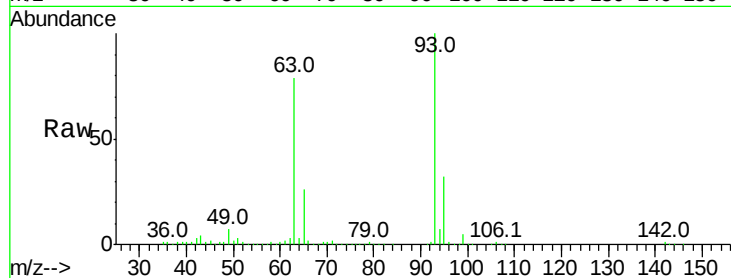




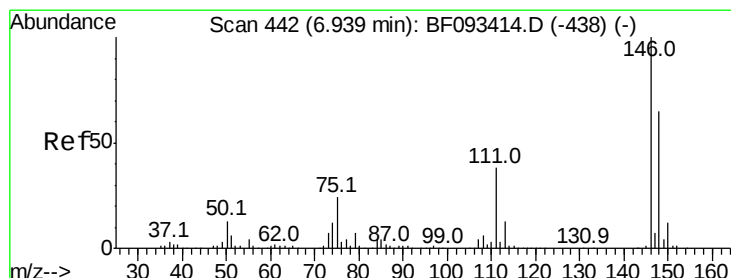
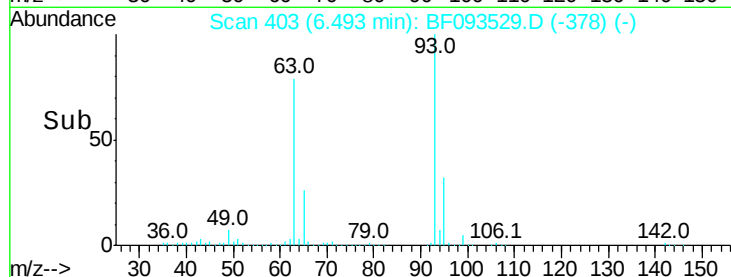
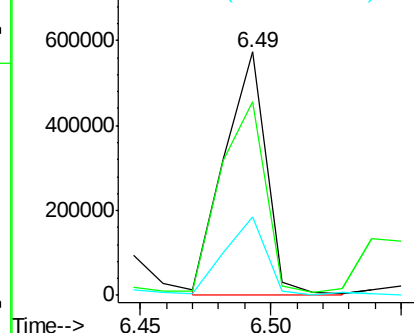
#11
 bis(2-Chloroethyl)ether
 Concen: 42.45 ng
 RT: 6.49 min Scan# 403
 Delta R.T. -0.01 min
 Lab File: BF093529.D
 Acq: 10 Mar 2017 18:33

Instrument :
 BNA_F
 ClientSampleId :
 D-38MSD

Tot Ion	Ratio	Lower	Upper
93	100		
63	79.3	60.4	100.4
95	32.5	12.8	52.8

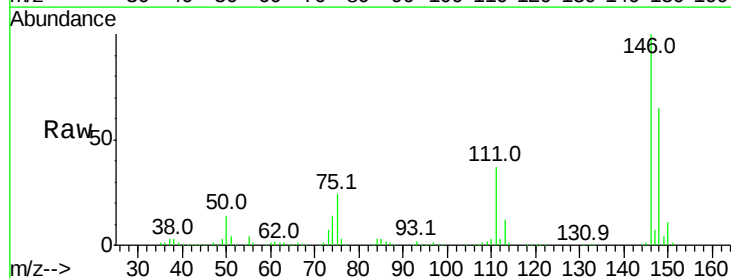


Abundance Ion 93.00 (92.70 to 93.70): BF0
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 95.00 (94.70 to 95.70): BF0

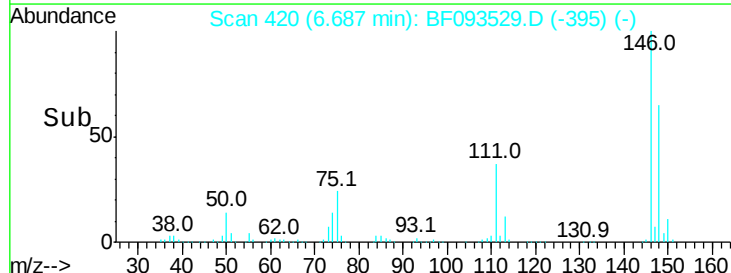
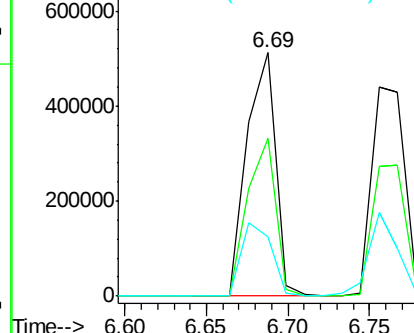


#12
 1,3-Dichlorobenzene
 Concen: 40.38 ng
 RT: 6.69 min Scan# 420
 Delta R.T. -0.01 min
 Lab File: BF093529.D
 Acq: 10 Mar 2017 18:33

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.8	53.4	80.0
75	24.2	18.5	27.7



Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 75.00 (74.70 to 75.70): BF0





#13

1,4-Dichlorobenzene

Concen: 39.39 ng

RT: 6.76 min Scan# 426

Delta R.T. -0.02 min

Lab File: BF093529.D

Acq: 10 Mar 2017 18:33

Instrument :

BNA_F

ClientSampleId :

D-38MSD

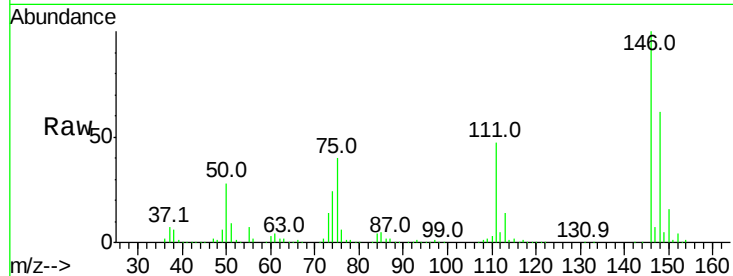
Tot Ion:146 Resp: 621894

Ion Ratio Lower Upper

146 100

148 62.1 50.6 76.0

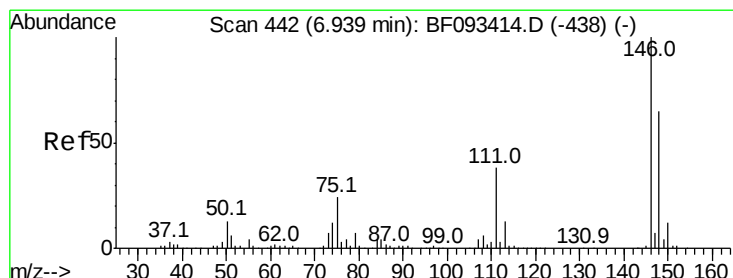
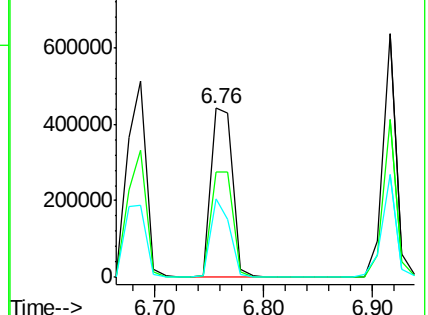
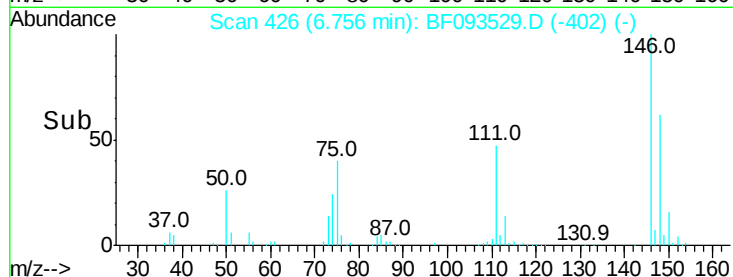
111 46.8 36.2 54.4



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: 39.42 ng

RT: 6.92 min Scan# 440

Delta R.T. -0.02 min

Lab File: BF093529.D

Acq: 10 Mar 2017 18:33

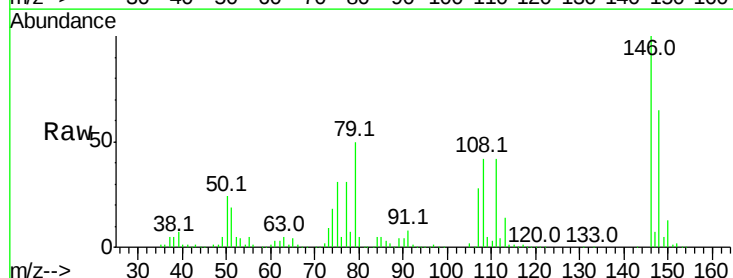
Tgt Ion:146 Resp: 551184

Ion Ratio Lower Upper

146 100

148 64.9 52.2 78.2

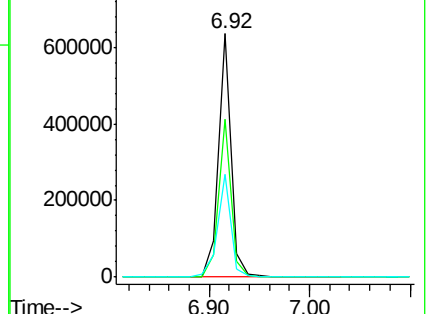
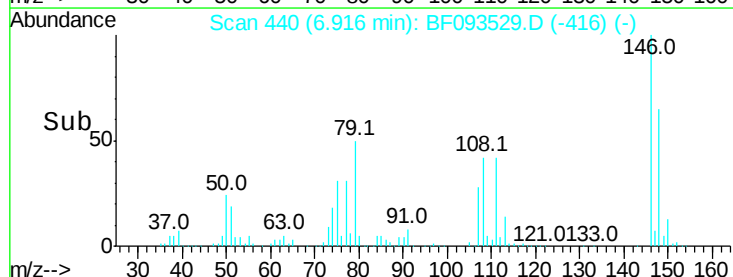
111 42.3 36.2 54.2

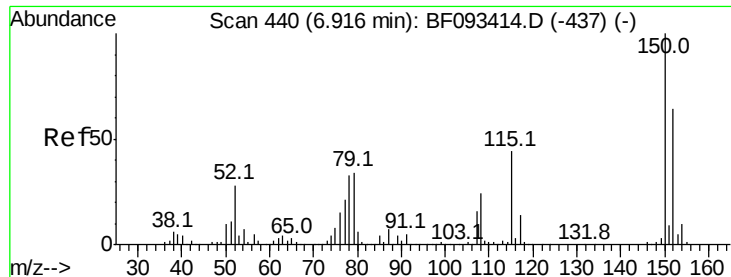


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

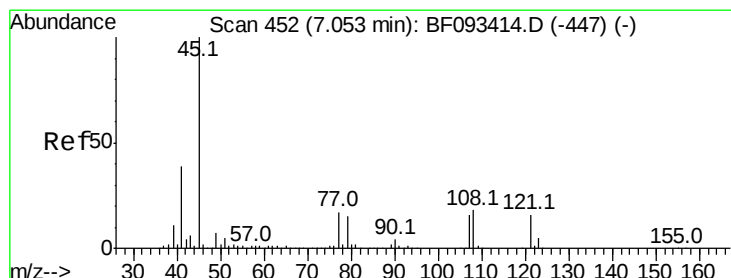
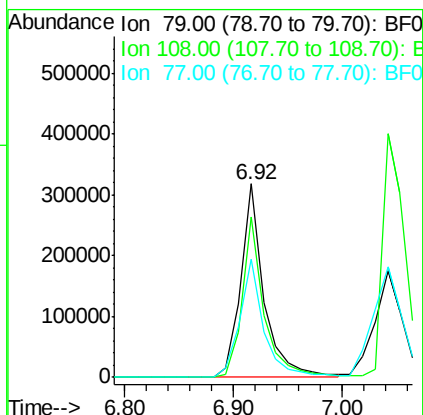
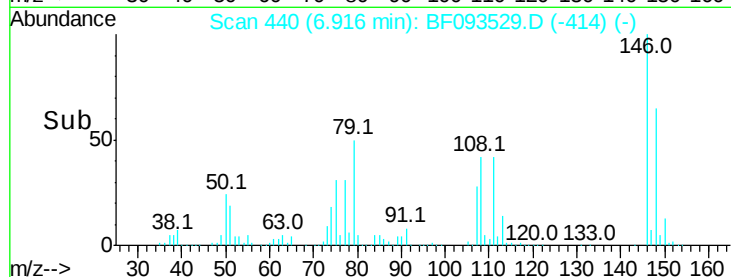
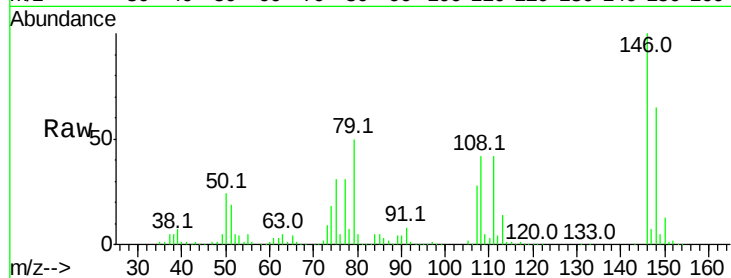




#15
Benzyl Alcohol
Concen: 43.45 ng
RT: 6.92 min Scan# 440
Delta R.T. -0.00 min
Lab File: BF093529.D
Acq: 10 Mar 2017 18:33

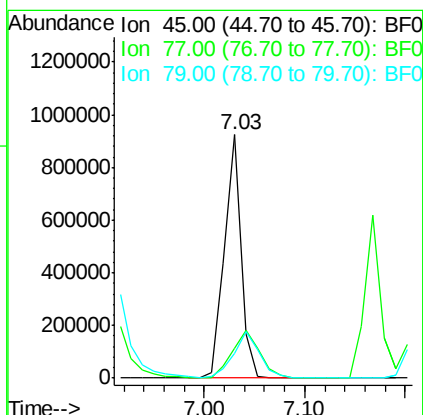
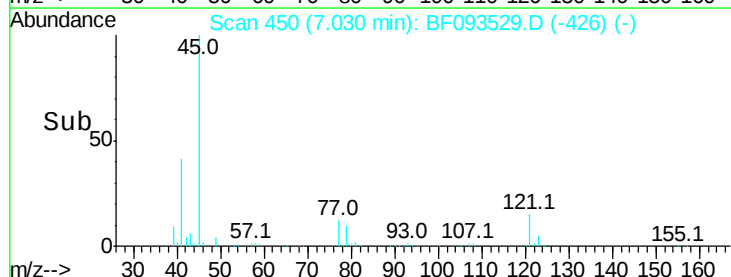
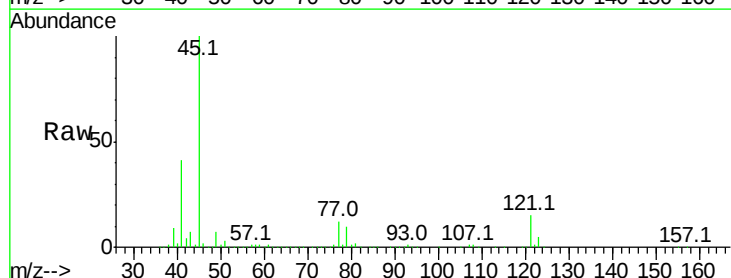
Instrument :
BNA_F
ClientSampled :
D-38MSD

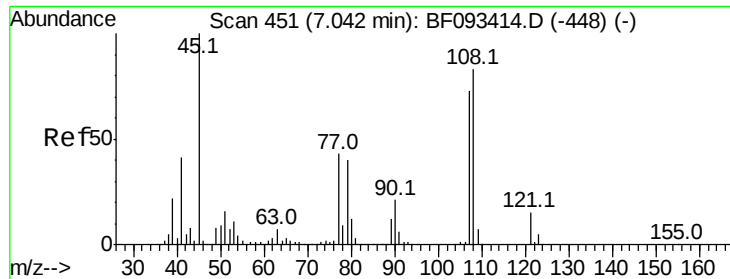
Tot Ion: 79 Resp: 469626
Ion Ratio Lower Upper
79 100
108 83.1 61.4 92.0
77 61.2 50.9 76.3



#16
2,2'-oxybis(1-chloropropane)
Concen: 42.88 ng
RT: 7.03 min Scan# 450
Delta R.T. -0.02 min
Lab File: BF093529.D
Acq: 10 Mar 2017 18:33

Tgt Ion: 45 Resp: 1069764
Ion Ratio Lower Upper
45 100
77 12.2 0.0 34.6
79 9.9 0.0 31.2

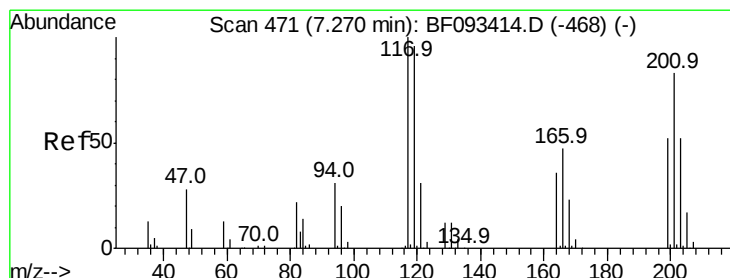
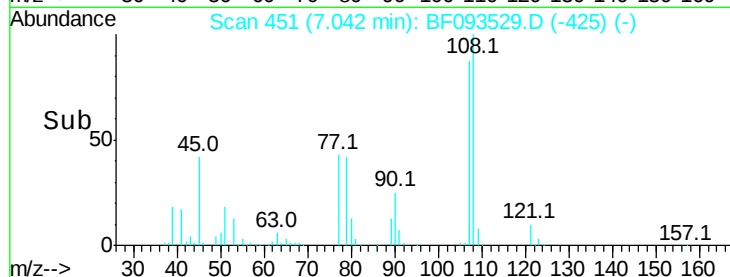
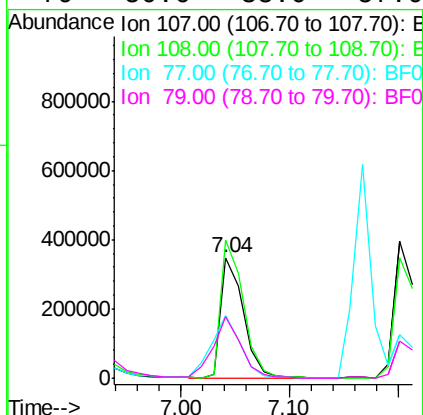
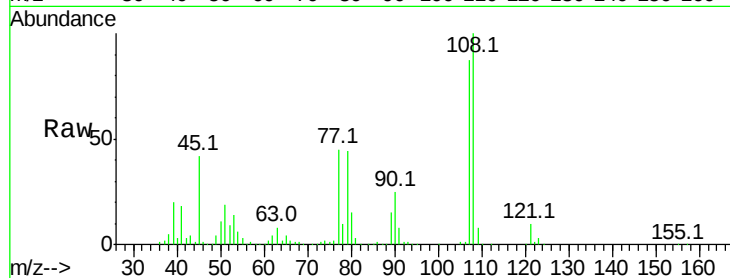




#17
2-Methylphenol
Concen: 43.75 ng
RT: 7.04 min Scan# 451
Delta R.T. -0.00 min
Lab File: BF093529.D
Acq: 10 Mar 2017 18:33

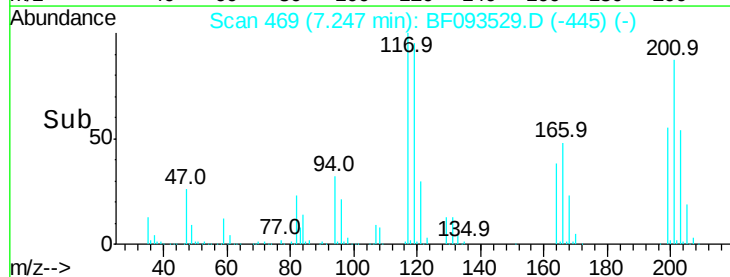
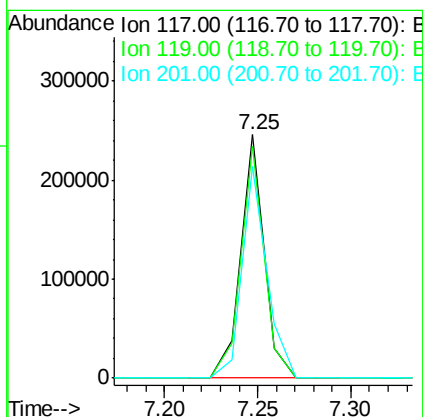
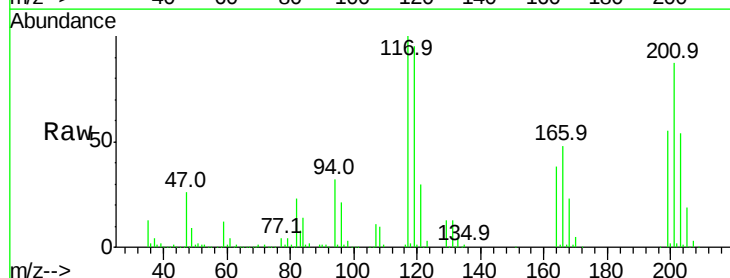
Instrument :
BNA_F
ClientSampled :
D-38MSD

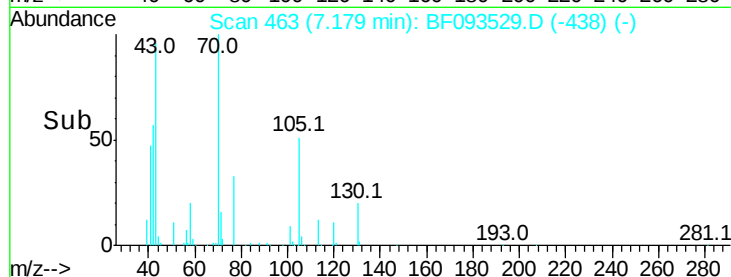
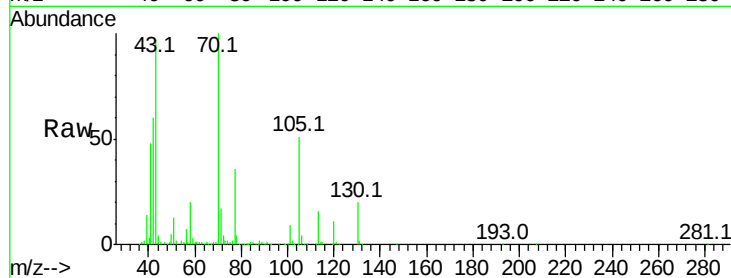
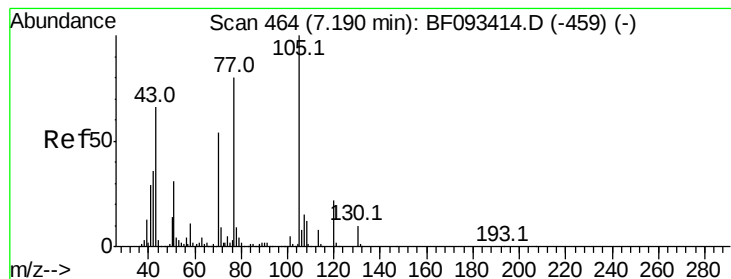
Tot Ion:	107	Resp:	498523
Ion	Ratio	Lower	Upper
107	100		
108	115.0	93.0	139.6
77	52.3	39.8	59.8
79	50.6	38.0	57.0



#18
Hexachloroethane
Concen: 40.54 ng
RT: 7.25 min Scan# 469
Delta R.T. -0.02 min
Lab File: BF093529.D
Acq: 10 Mar 2017 18:33

Tgt Ion:	117	Resp:	215842
Ion	Ratio	Lower	Upper
117	100		
119	95.5	78.1	117.1
201	86.7	78.6	117.8





#19

n-Nitroso-di-n-propylamine

Concen: 49.15 ng

RT: 7.18 min Scan# 463

Delta R.T. -0.01 min

Lab File: BF093529.D

Acq: 10 Mar 2017 18:33

Instrument :

BNA_F

ClientSampleId :

D-38MSD

Tot Ion: 70 Resp: 512357

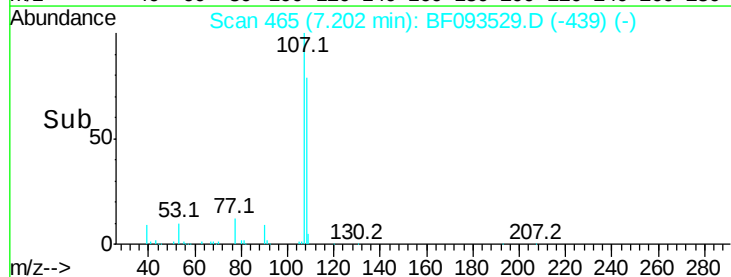
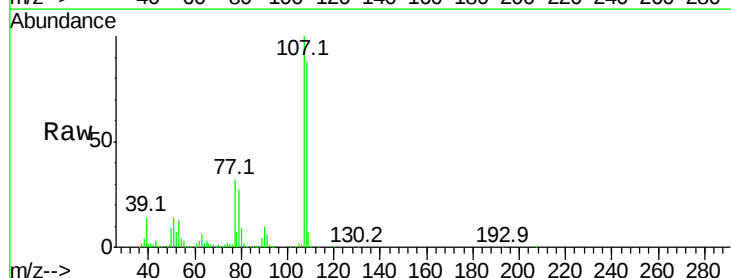
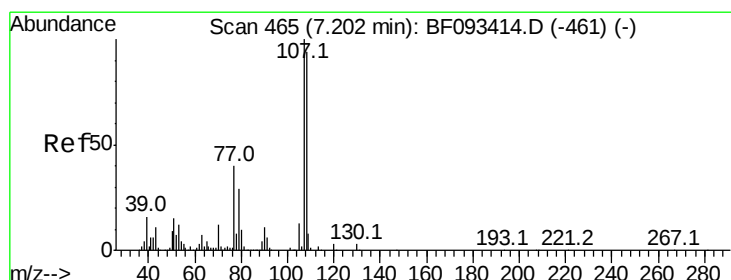
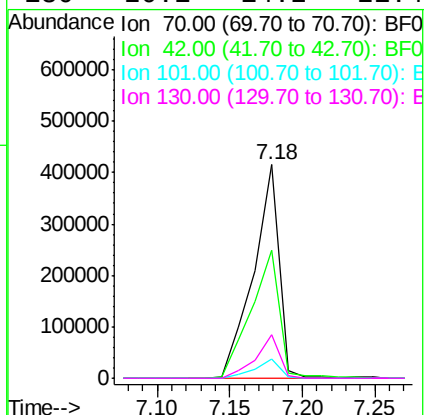
Ion Ratio Lower Upper

70 100

42 60.0 49.4 74.0

101 9.3 7.4 11.2

130 20.1 14.2 21.4



#20

3+4-Methylphenols

Concen: 45.43 ng

RT: 7.20 min Scan# 465

Delta R.T. -0.00 min

Lab File: BF093529.D

Acq: 10 Mar 2017 18:33

Tgt Ion:107 Resp: 671389

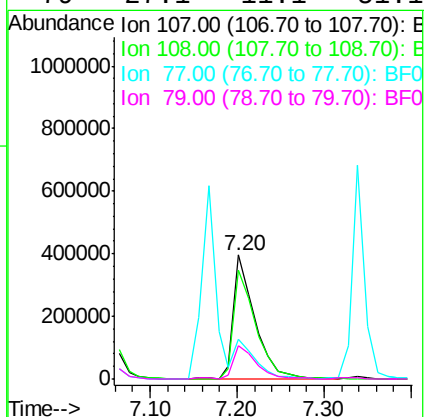
Ion Ratio Lower Upper

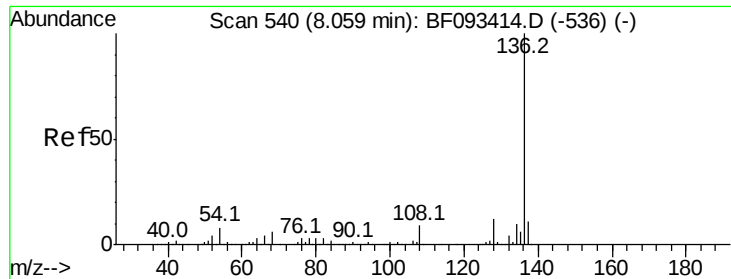
107 100

108 88.1 73.0 113.0

77 31.9 71.3 111.3#

79 27.1 11.1 51.1

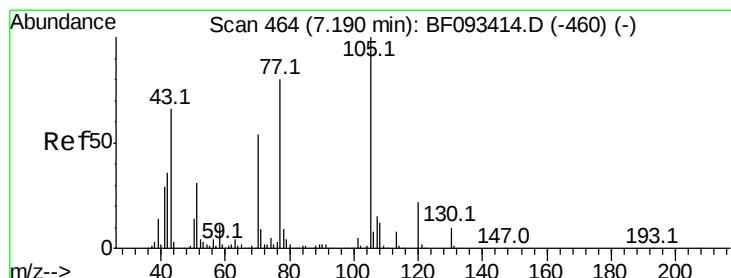
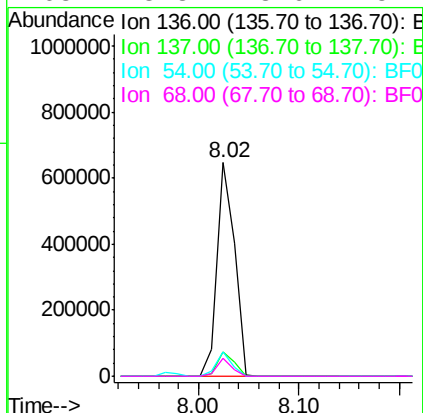
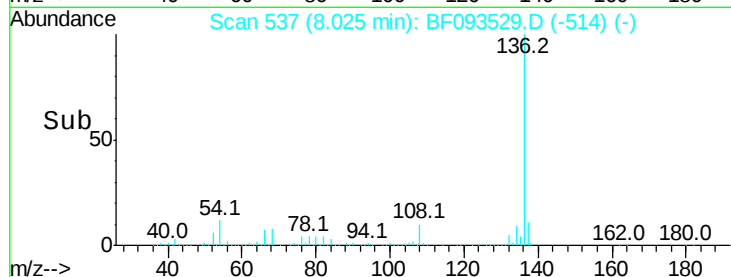
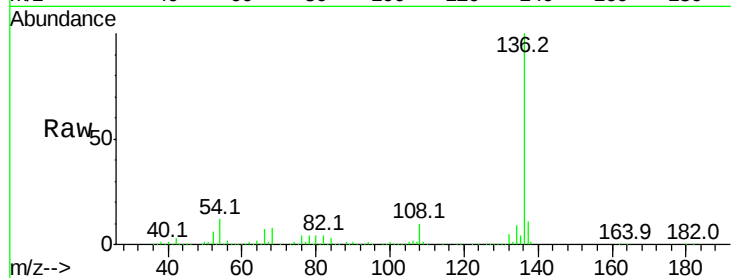




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.02 min Scan# 537
Delta R.T. -0.03 min
Lab File: BF093529.D
Acq: 10 Mar 2017 18:33

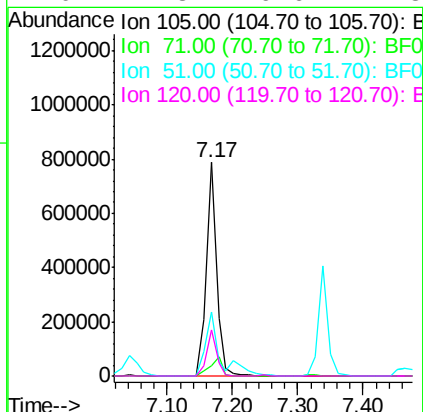
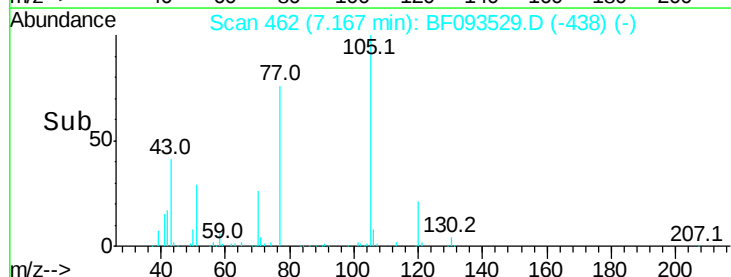
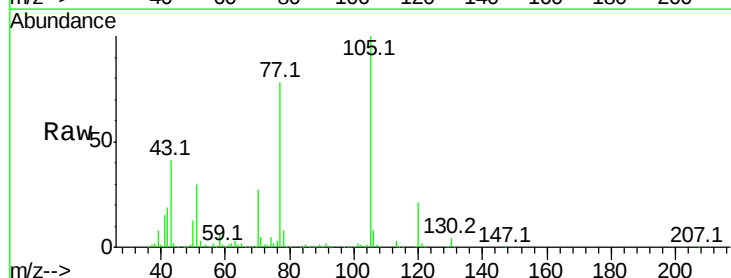
Instrument :
BNA_F
ClientSampled :
D-38MSD

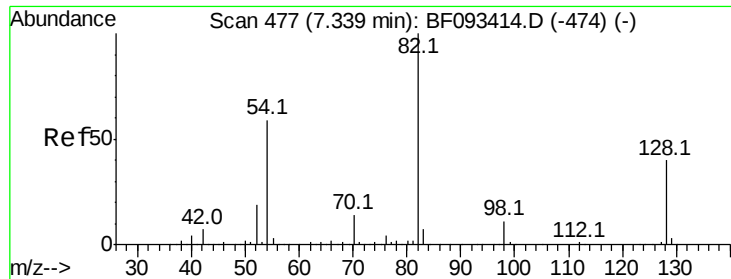
Tot Ion:136	Resp:	781125
Ion Ratio	Lower	Upper
136	100	
137	11.2	8.4 12.6
54	11.6	4.5 6.7#
68	8.3	3.6 5.4#



#22
Acetophenone
Concen: 46.04 ng
RT: 7.17 min Scan# 462
Delta R.T. -0.02 min
Lab File: BF093529.D
Acq: 10 Mar 2017 18:33

Tgt Ion:105	Resp:	865350
Ion Ratio	Lower	Upper
105	100	
71	4.5	3.2 4.8
51	30.2	26.2 39.4
120	21.3	16.6 24.8

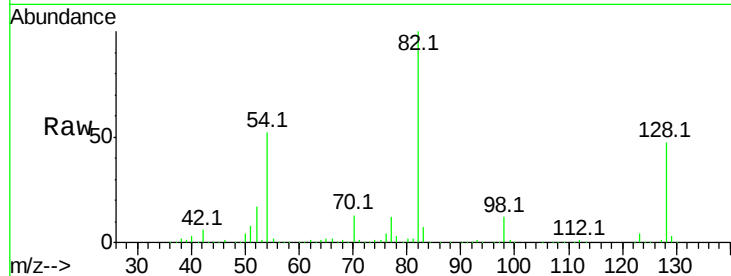




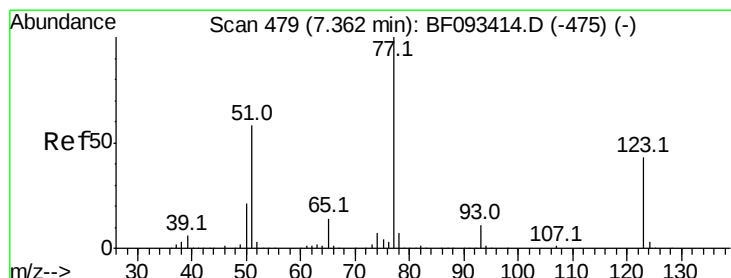
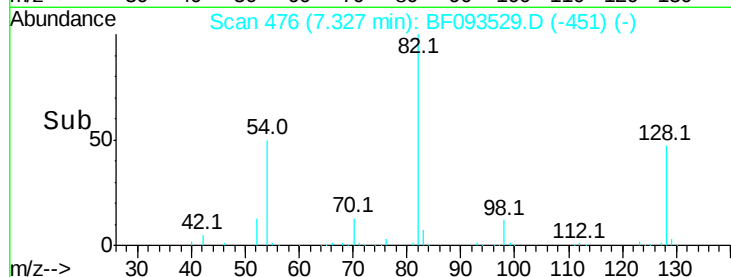
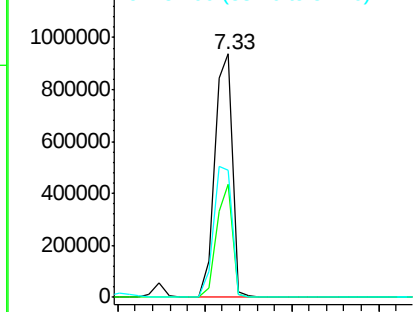
#23
Nitrobenzene-d5
Concen: 95.49 ng
RT: 7.33 min Scan# 476
Delta R.T. -0.01 min
Lab File: BF093529.D
Acq: 10 Mar 2017 18:33

Instrument :
BNA_F
ClientSampleId :
D-38MSD

Tot Ion: 82 Resp: 1344269
Ion Ratio Lower Upper
82 100
128 46.7 34.6 52.0
54 52.2 39.5 59.3

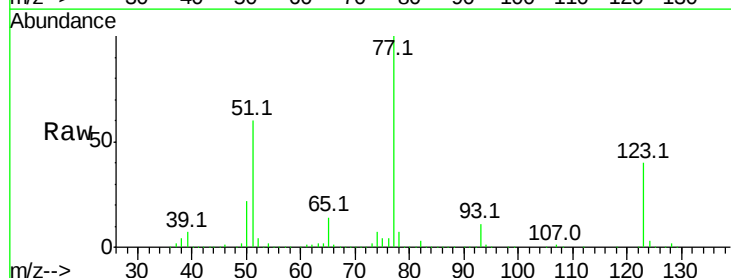


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0

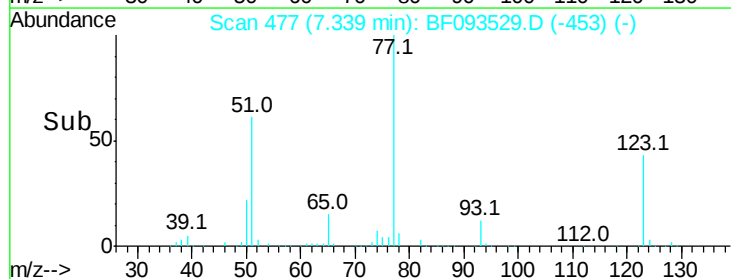
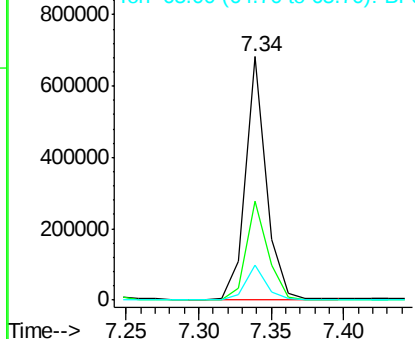


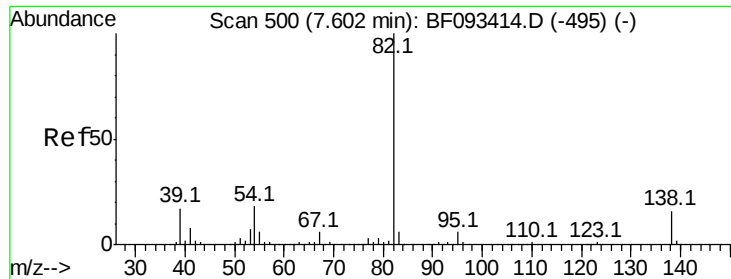
#24
Nitrobenzene
Concen: 42.62 ng
RT: 7.34 min Scan# 477
Delta R.T. -0.02 min
Lab File: BF093529.D
Acq: 10 Mar 2017 18:33

Tgt Ion: 77 Resp: 674422
Ion Ratio Lower Upper
77 100
123 40.4 33.0 49.4
65 14.3 11.2 16.8



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 123.00 (122.70 to 123.70): B
Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 44.39 ng

RT: 7.58 min Scan# 498

Delta R.T. -0.02 min

Lab File: BF093529.D

Acq: 10 Mar 2017 18:33

Instrument :

BNA_F

ClientSampleId :

D-38MSD

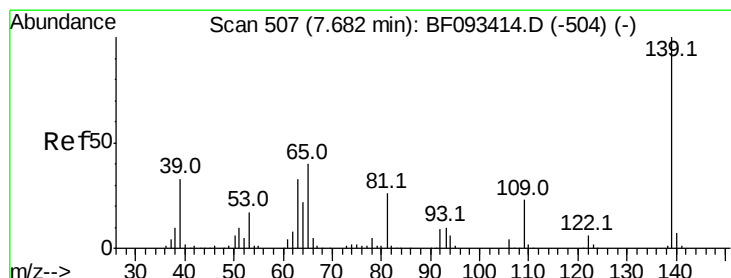
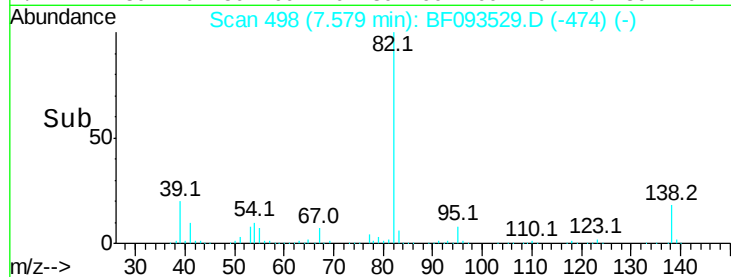
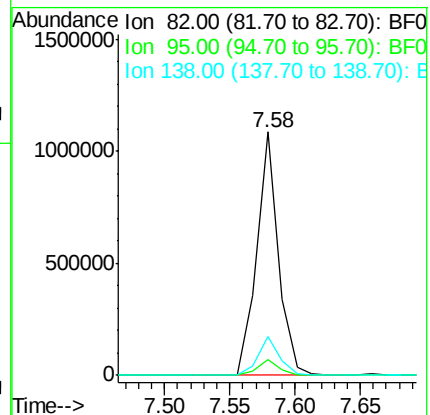
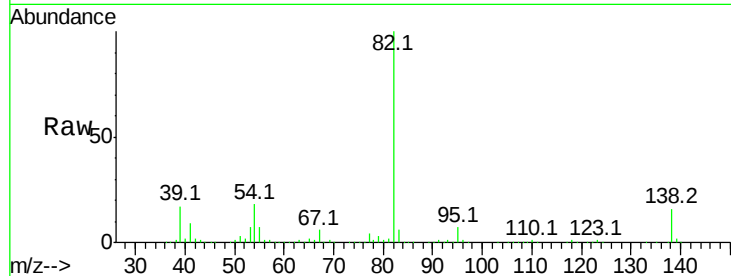
Tot Ion: 82 Resp: 1260112

Ion Ratio Lower Upper

82 100

95 6.7 5.6 8.4

138 16.0 14.6 22.0



#26

2-Nitrophenol

Concen: 47.62 ng

RT: 7.66 min Scan# 505

Delta R.T. -0.02 min

Lab File: BF093529.D

Acq: 10 Mar 2017 18:33

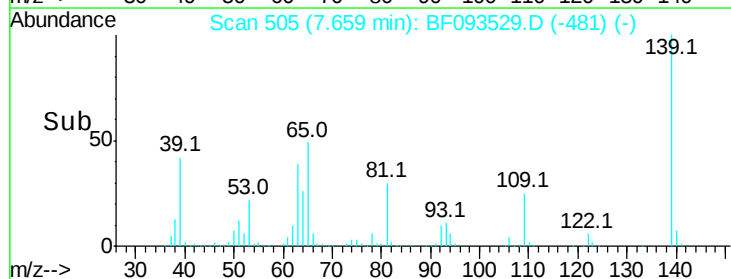
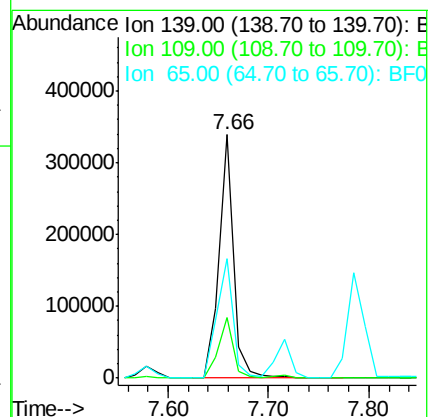
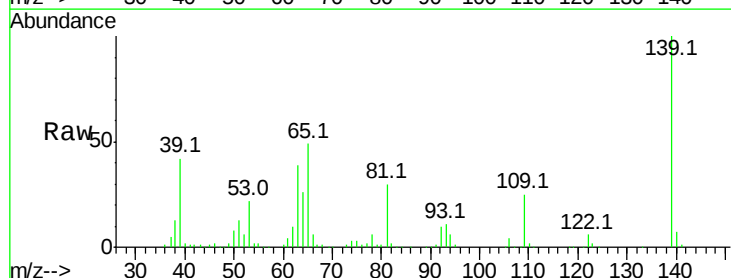
Tgt Ion: 139 Resp: 343758

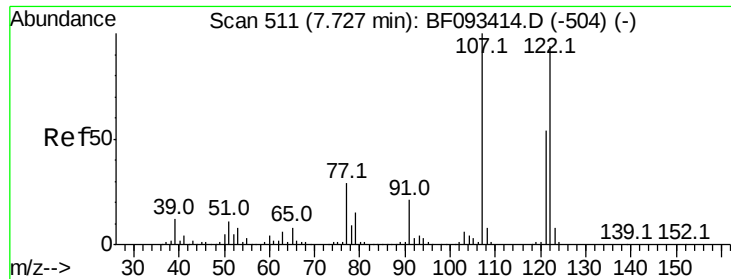
Ion Ratio Lower Upper

139 100

109 25.0 23.3 34.9

65 48.8 42.7 64.1

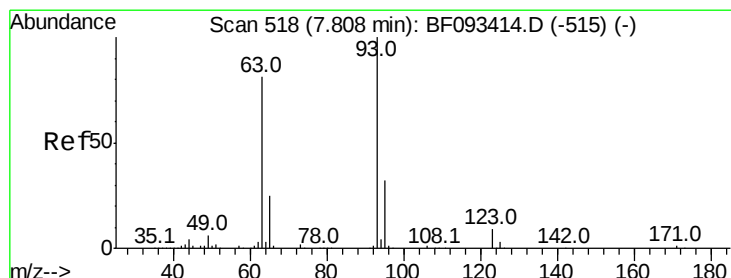
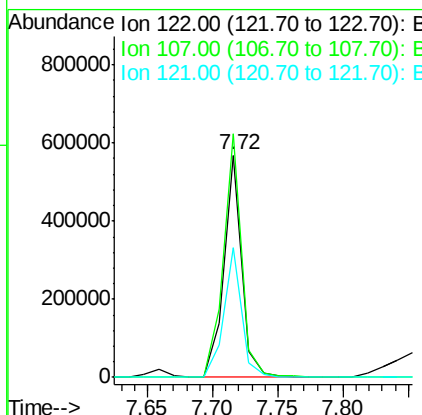
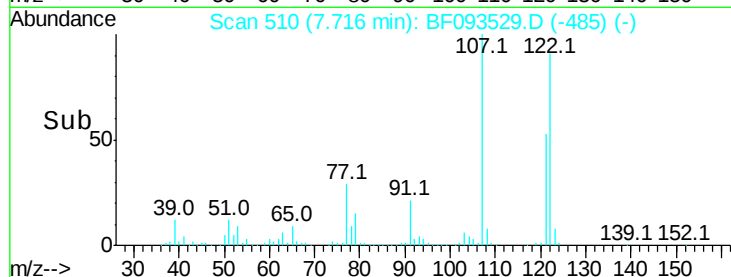
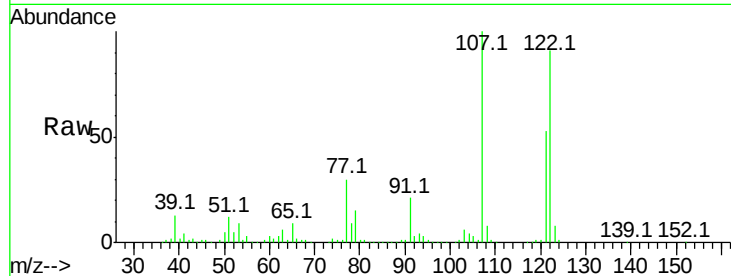




#27
 2,4-Dimethylphenol
 Concen: 46.03 ng
 RT: 7.72 min Scan# 510
 Delta R.T. -0.01 min
 Lab File: BF093529.D
 Acq: 10 Mar 2017 18:33

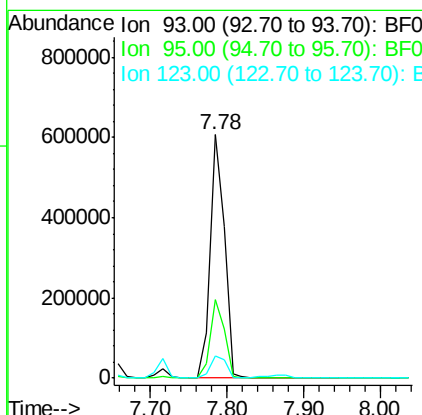
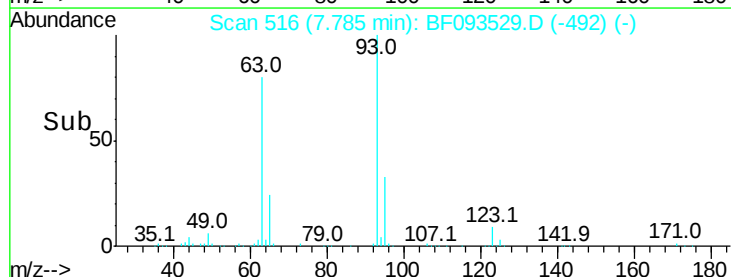
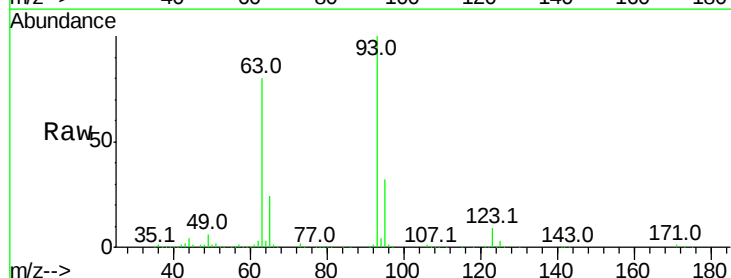
Instrument :
 BNA_F
 ClientSampleId :
 D-38MSD

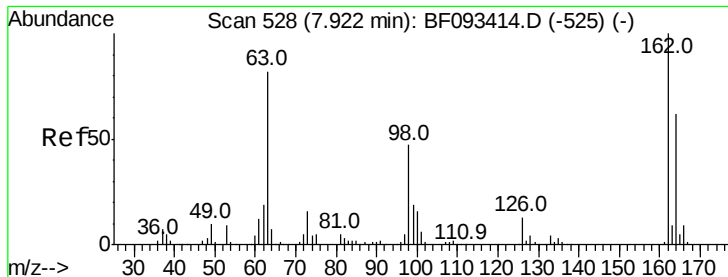
Tot Ion:122 Resp: 540611
 Ion Ratio Lower Upper
 122 100
 107 109.8 94.1 141.1
 121 58.3 46.0 69.0



#28
 bis(2-Chloroethoxy)methane
 Concen: 42.76 ng
 RT: 7.78 min Scan# 516
 Delta R.T. -0.02 min
 Lab File: BF093529.D
 Acq: 10 Mar 2017 18:33

Tgt Ion: 93 Resp: 766329
 Ion Ratio Lower Upper
 93 100
 95 32.5 26.5 39.7
 123 9.3 8.6 13.0

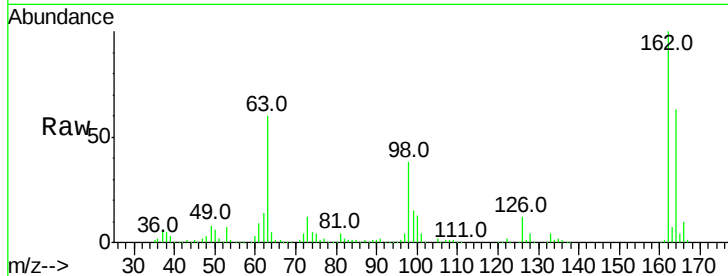




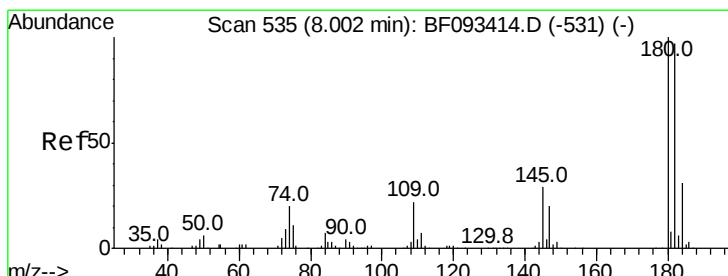
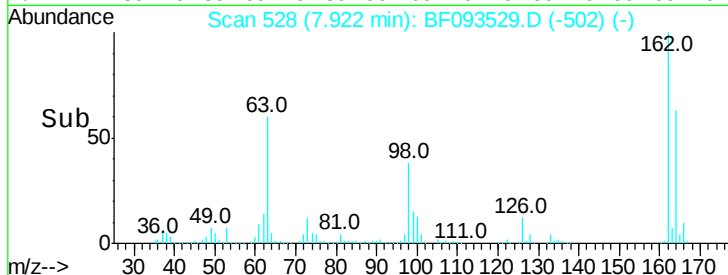
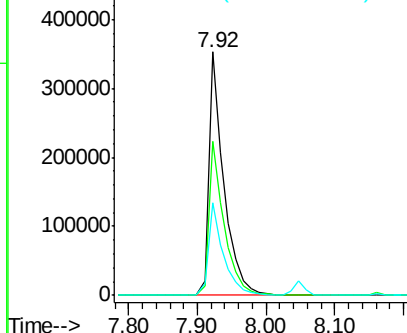
#29
 2,4-Dichlorophenol
 Concen: 48.58 ng
 RT: 7.92 min Scan# 528
 Delta R.T. -0.00 min
 Lab File: BF093529.D
 Acq: 10 Mar 2017 18:33

Instrument :
 BNA_F
 ClientSampled :
 D-38MSD

Tot Ion:162 Resp: 536674
 Ion Ratio Lower Upper
 162 100
 164 63.1 46.8 86.8
 98 38.1 9.1 49.1

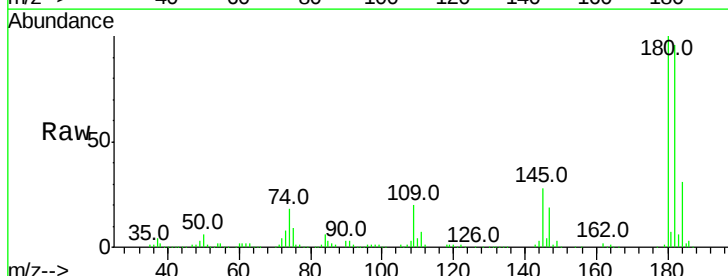


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

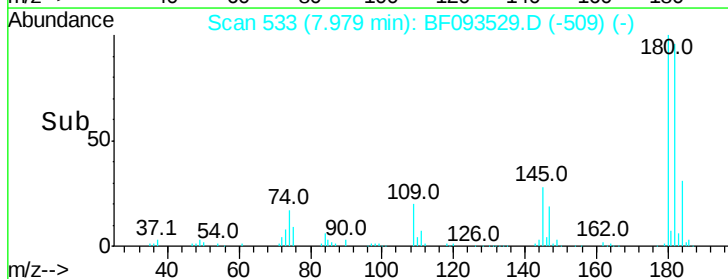
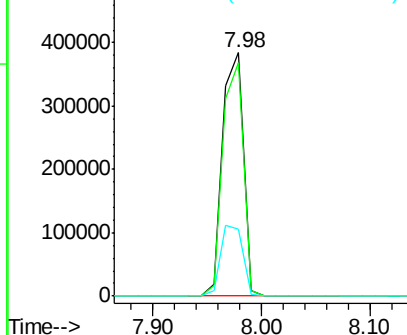


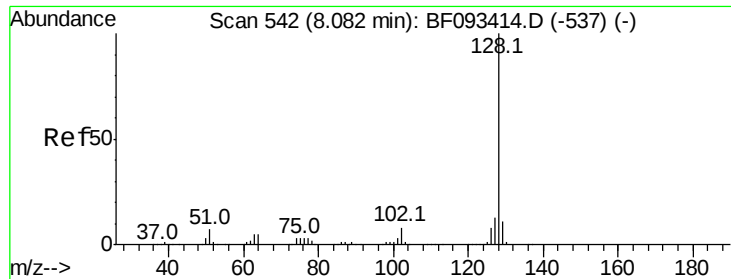
#30
 1,2,4-Trichlorobenzene
 Concen: 43.54 ng
 RT: 7.98 min Scan# 533
 Delta R.T. -0.02 min
 Lab File: BF093529.D
 Acq: 10 Mar 2017 18:33

Tgt Ion:180 Resp: 511508
 Ion Ratio Lower Upper
 180 100
 182 96.1 78.2 117.4
 145 27.8 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

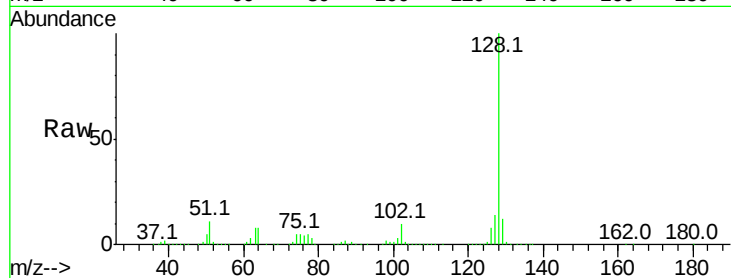




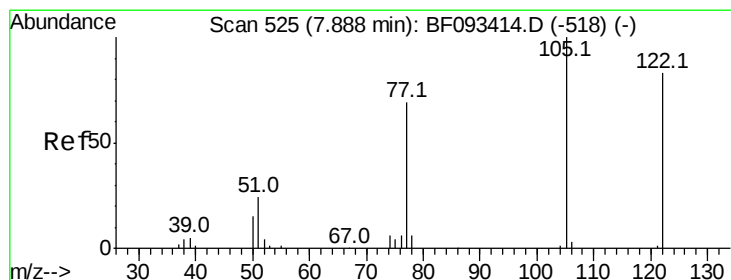
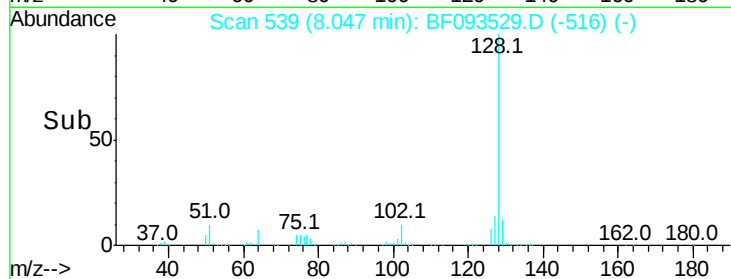
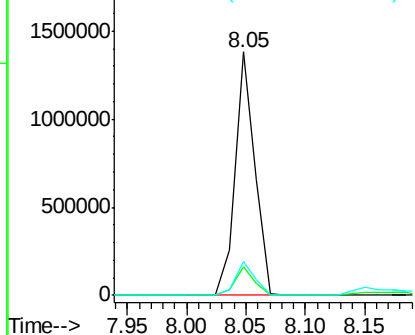
#31
Naphthalene
Concen: 40.76 ng
RT: 8.05 min Scan# 539
Delta R.T. -0.03 min
Lab File: BF093529.D
Acq: 10 Mar 2017 18:33

Instrument :
BNA_F
ClientSampleId :
D-38MSD

Tot Ion:128 Resp: 1595636
Ion Ratio Lower Upper
128 100
129 11.6 9.5 14.3
127 13.7 10.8 16.2

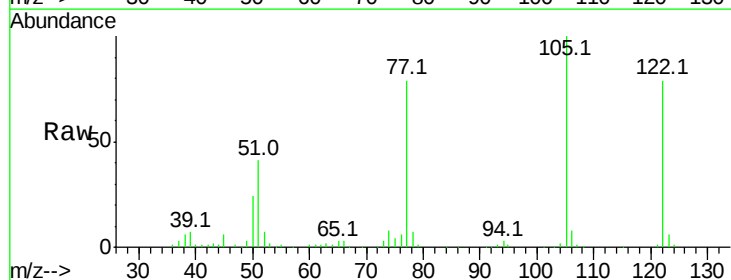


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

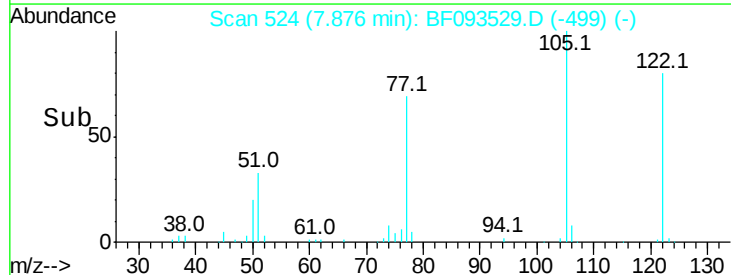
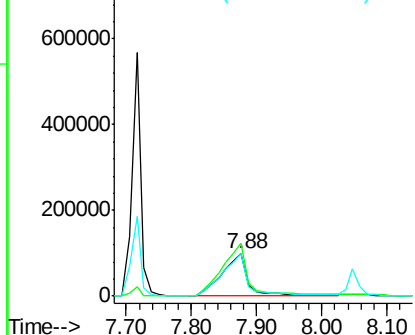


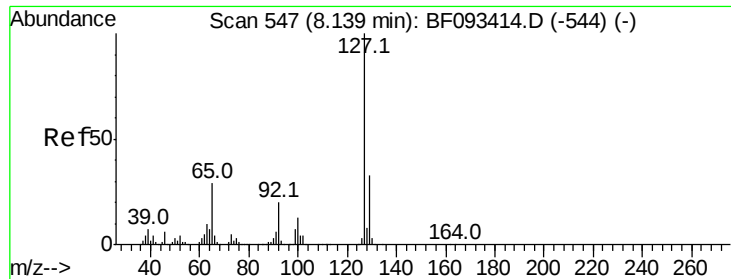
#32
Benzoic acid
Concen: 43.76 ng
RT: 7.88 min Scan# 524
Delta R.T. -0.01 min
Lab File: BF093529.D
Acq: 10 Mar 2017 18:33

Tgt Ion:122 Resp: 267036
Ion Ratio Lower Upper
122 100
105 126.4 107.2 147.2
77 100.4 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

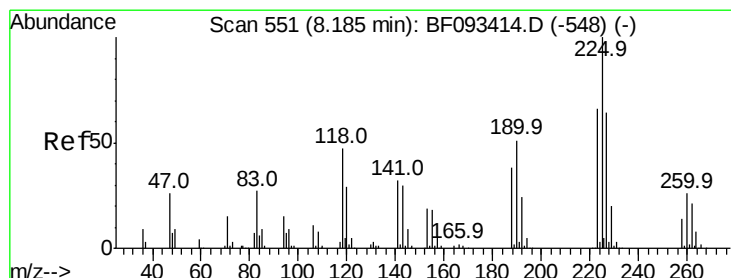
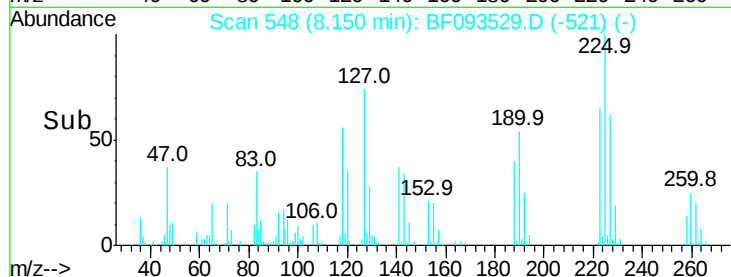
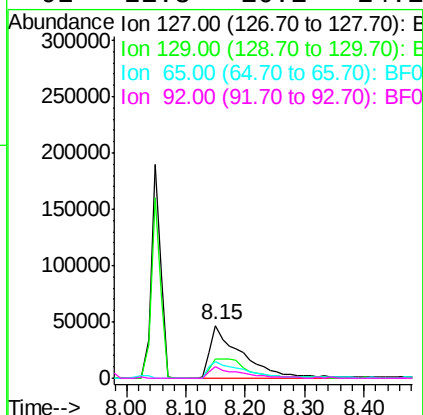
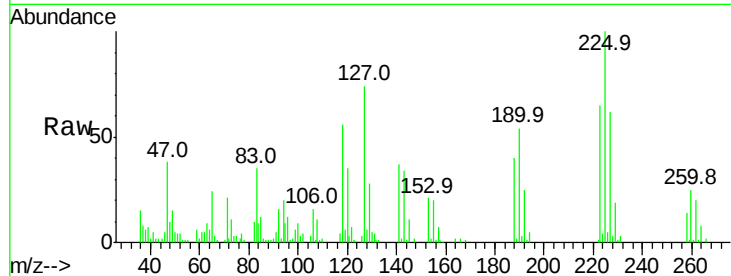




#33
4-Chloroaniline
Concen: 11.03 ng
RT: 8.15 min Scan# 548
Delta R.T. 0.01 min
Lab File: BF093529.D
Acq: 10 Mar 2017 18:33

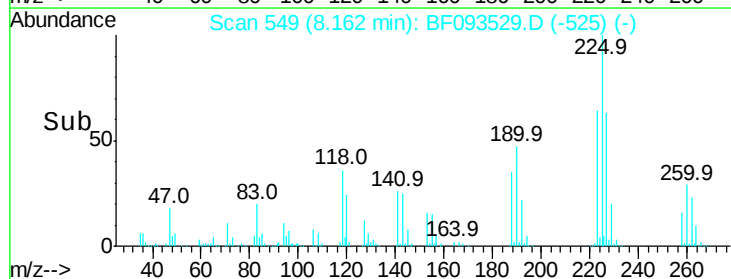
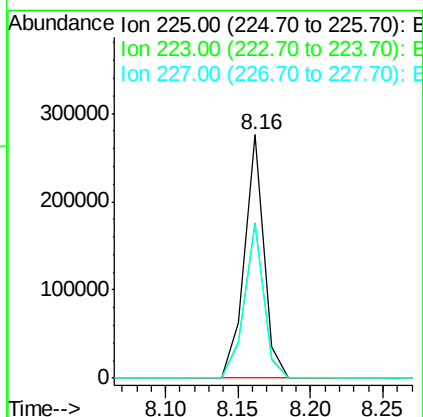
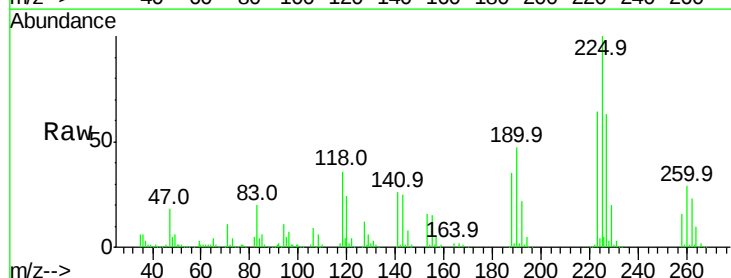
Instrument :
BNA_F
ClientSampleId :
D-38MSD

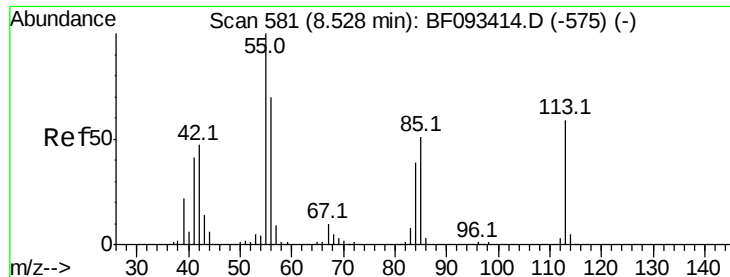
Tot Ion:	127	Resp:	175195
Ion	Ratio	Lower	Upper
127	100		
129	37.5	26.3	39.5
65	32.3	25.8	38.8
92	21.3	16.1	24.1



#34
Hexachlorobutadiene
Concen: 42.68 ng
RT: 8.16 min Scan# 549
Delta R.T. -0.02 min
Lab File: BF093529.D
Acq: 10 Mar 2017 18:33

Tgt Ion:	225	Resp:	258269
Ion	Ratio	Lower	Upper
225	100		
223	63.9	51.0	76.6
227	63.4	50.6	76.0





#35

Caprolactam

Concen: 20.69 ng

RT: 8.50 min Scan# 579

Delta R.T. -0.02 min

Lab File: BF093529.D

Acq: 10 Mar 2017 18:33

Instrument :

BNA_F

ClientSampleId :

D-38MSD

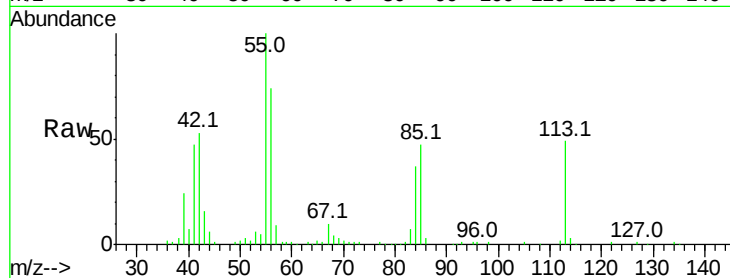
Tot Ion:113 Resp: 78066

Ion Ratio Lower Upper

113 100

55 203.7 119.2 159.2#

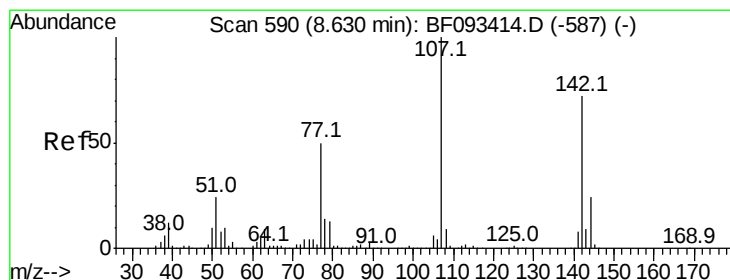
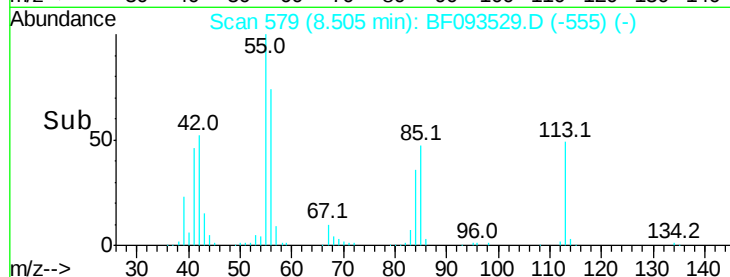
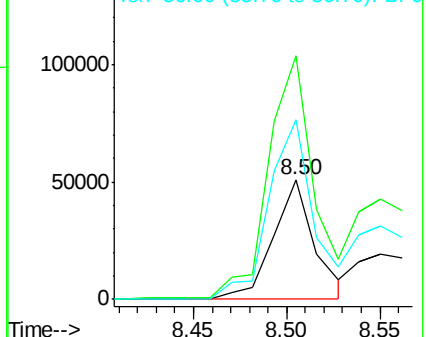
56 150.2 83.8 123.8#



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: 45.83 ng

RT: 8.63 min Scan# 590

Delta R.T. -0.00 min

Lab File: BF093529.D

Acq: 10 Mar 2017 18:33

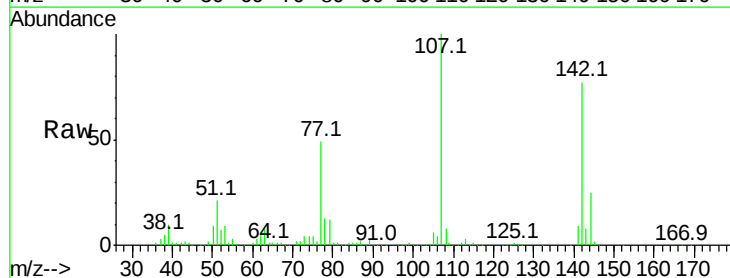
Tgt Ion:107 Resp: 540423

Ion Ratio Lower Upper

107 100

144 24.9 19.3 28.9

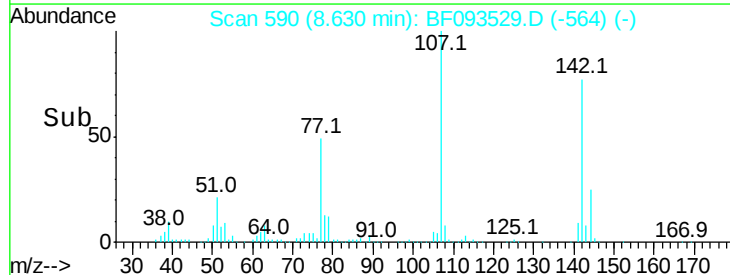
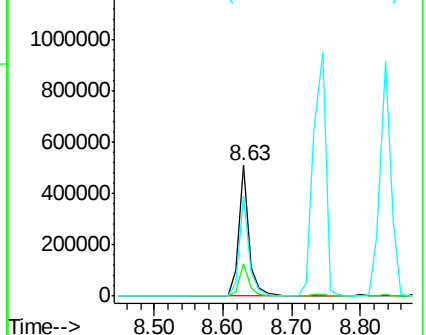
142 77.2 59.0 88.6

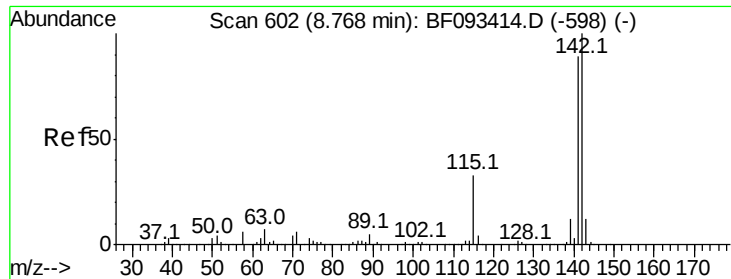


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

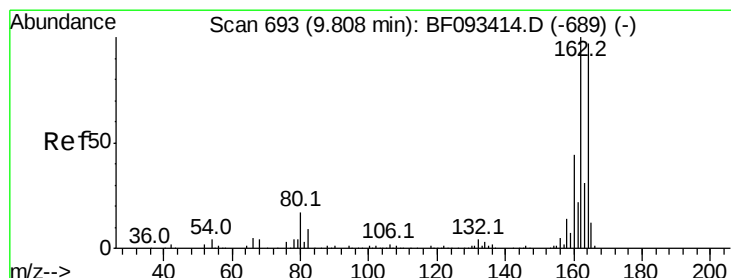
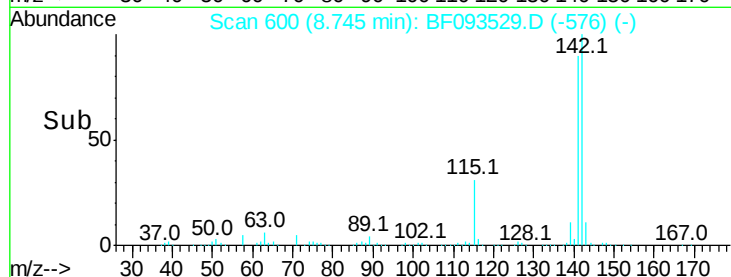
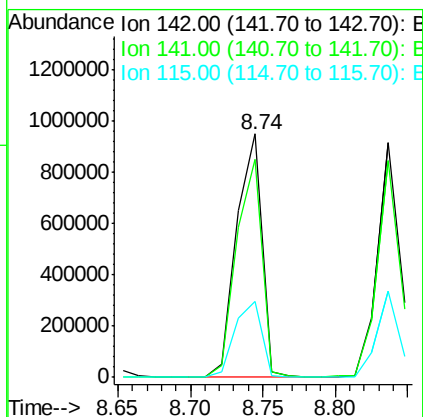
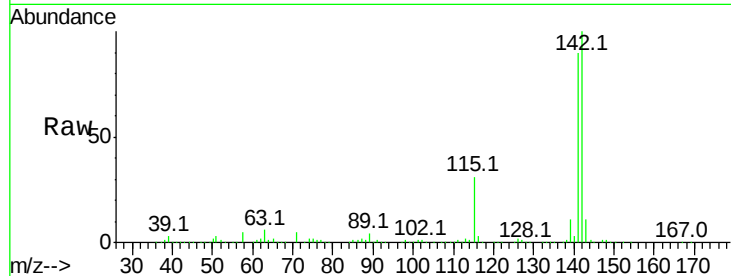




#37
2-Methylnaphthalene
Concen: 46.58 ng
RT: 8.74 min Scan# 600
Delta R.T. -0.02 min
Lab File: BF093529.D
Acq: 10 Mar 2017 18:33

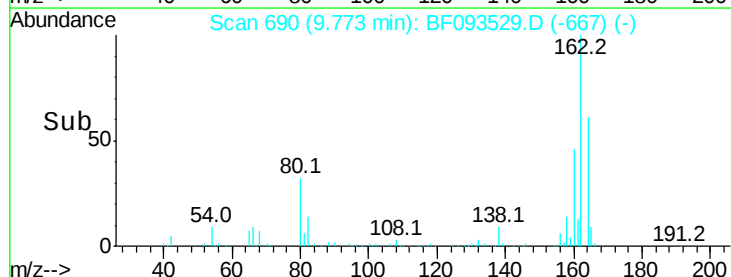
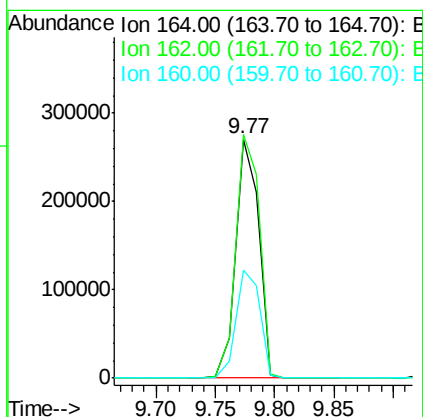
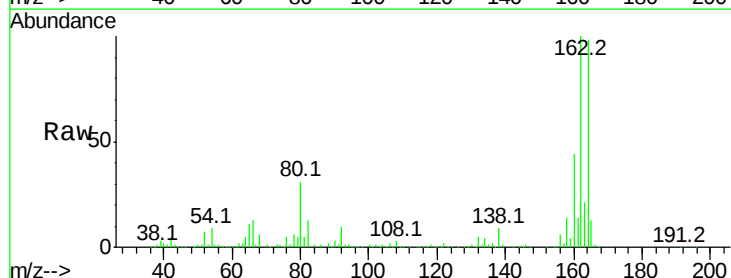
Instrument :
BNA_F
ClientSampleId :
D-38MSD

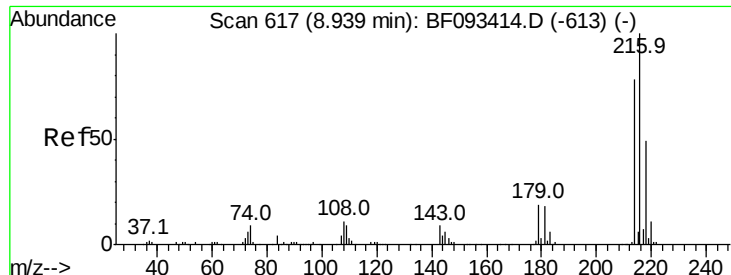
Tot Ion:142 Resp: 1160191
Ion Ratio Lower Upper
142 100
141 89.5 71.0 106.6
115 31.3 28.3 42.5



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.77 min Scan# 690
Delta R.T. -0.03 min
Lab File: BF093529.D
Acq: 10 Mar 2017 18:33

Tgt Ion:164 Resp: 364930
Ion Ratio Lower Upper
164 100
162 102.1 80.2 120.2
160 45.1 36.9 55.3

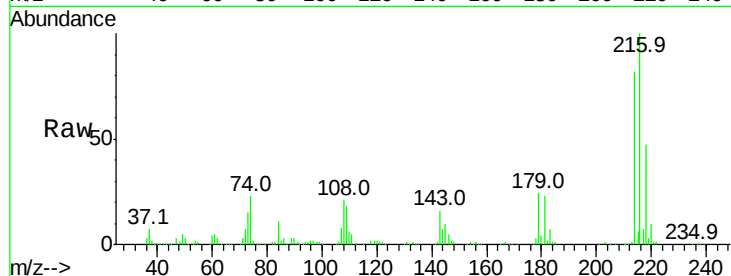




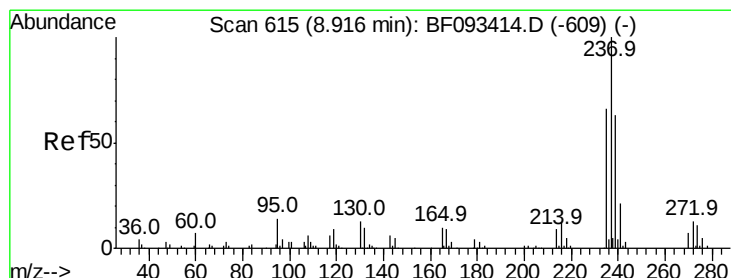
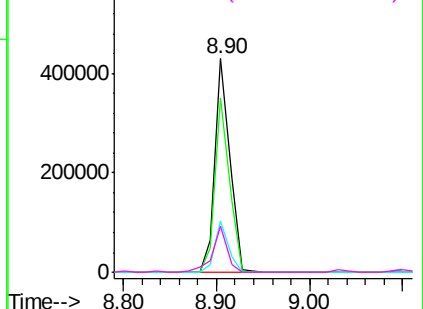
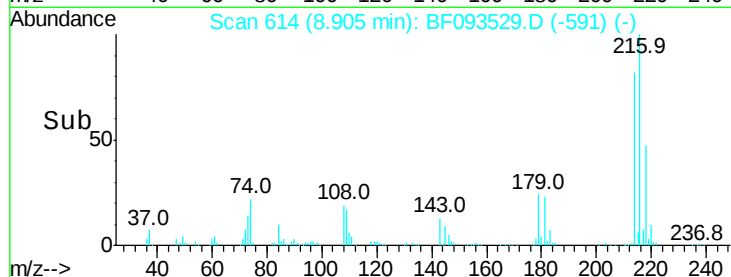
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 47.64 ng
 RT: 8.90 min Scan# 614
 Delta R.T. -0.03 min
 Lab File: BF093529.D
 Acq: 10 Mar 2017 18:33

Instrument :
 BNA_F
 ClientSampleId :
 D-38MSD

Tot Ion:	216	Resp:	474679
Ion	Ratio	Lower	Upper
216	100		
214	79.4	63.4	95.0
179	22.0	17.4	26.2
108	21.3	15.6	23.4

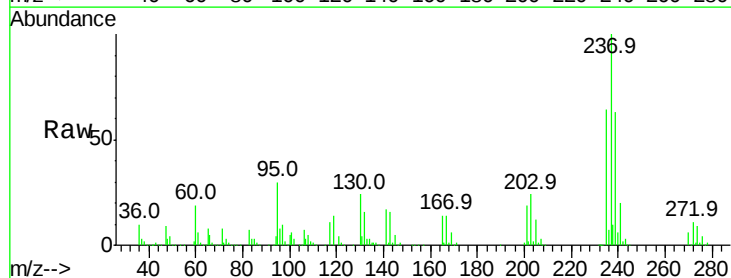


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

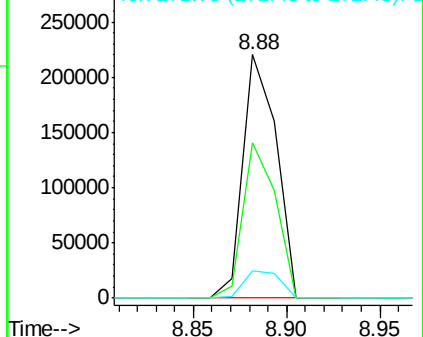
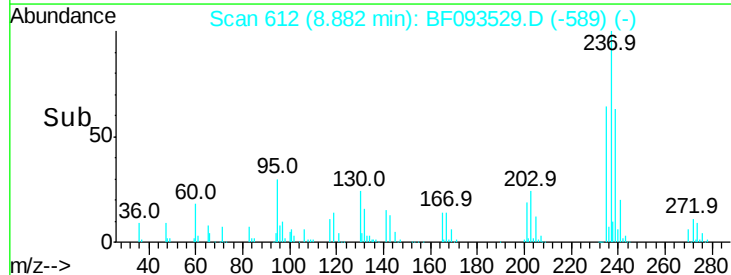


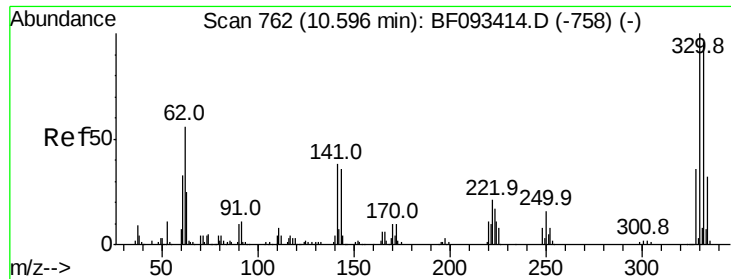
#40
 Hexachlorocyclopentadiene
 Concen: 104.61 ng
 RT: 8.88 min Scan# 612
 Delta R.T. -0.03 min
 Lab File: BF093529.D
 Acq: 10 Mar 2017 18:33

Tgt Ion:	237	Resp:	274034
Ion	Ratio	Lower	Upper
237	100		
235	63.9	41.2	81.2
272	11.2	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

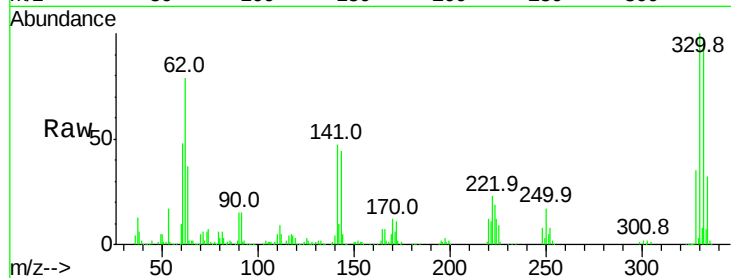




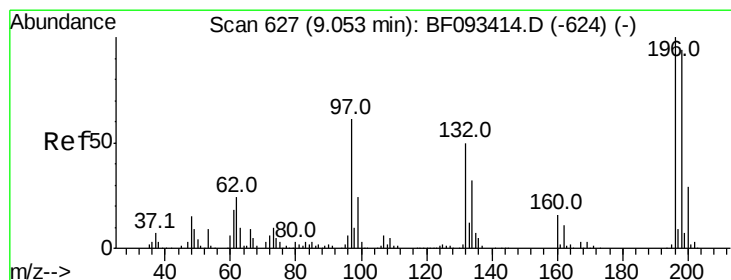
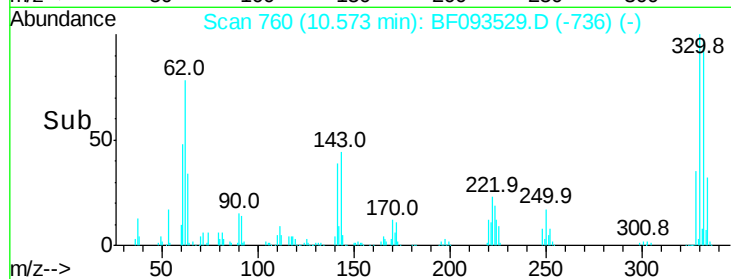
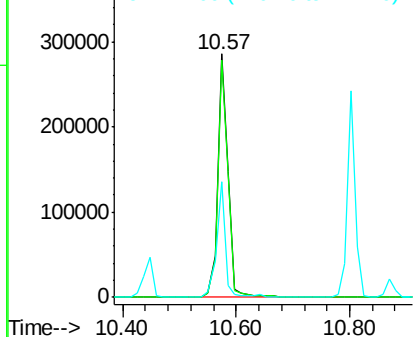
#41
 2,4,6-Tribromophenol
 Concen: 149.81 ng
 RT: 10.57 min Scan# 760
 Delta R.T. -0.02 min
 Lab File: BF093529.D
 Acq: 10 Mar 2017 18:33

Instrument :
 BNA_F
 ClientSampleId :
 D-38MSD

Tot Ion:330 Resp: 356180
 Ion Ratio Lower Upper
 330 100
 332 97.2 77.4 116.2
 141 39.4 34.1 51.1

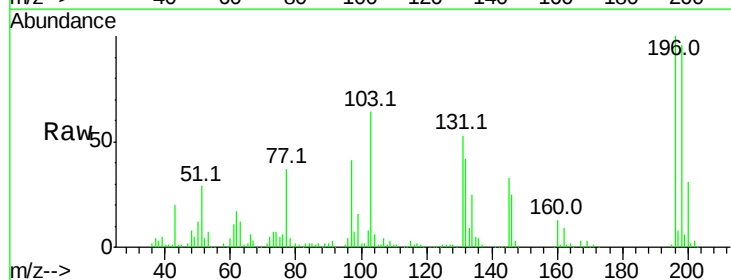


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

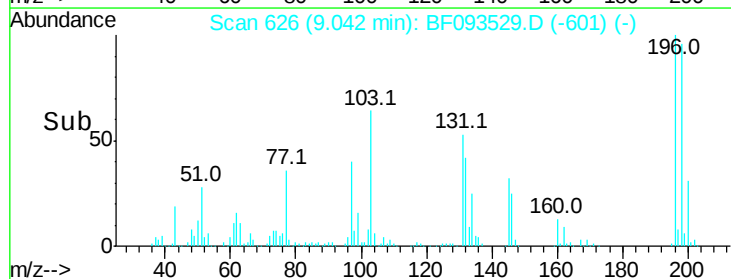
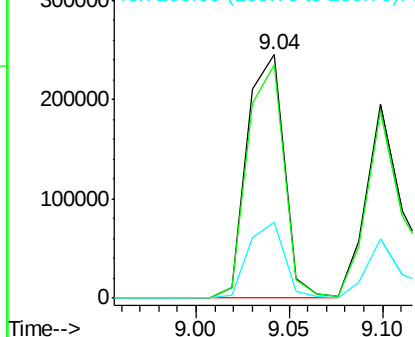


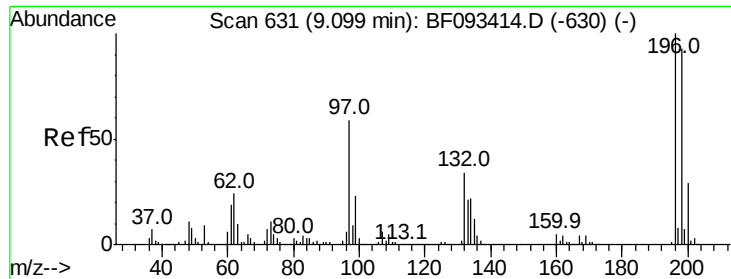
#42
 2,4,6-Trichlorophenol
 Concen: 54.44 ng
 RT: 9.04 min Scan# 626
 Delta R.T. -0.01 min
 Lab File: BF093529.D
 Acq: 10 Mar 2017 18:33

Tgt Ion:196 Resp: 338918
 Ion Ratio Lower Upper
 196 100
 198 95.7 82.1 123.1
 200 31.4 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

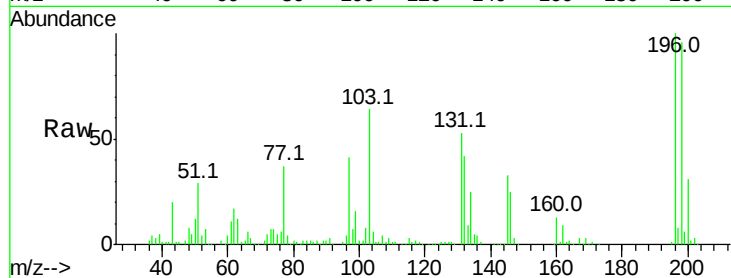




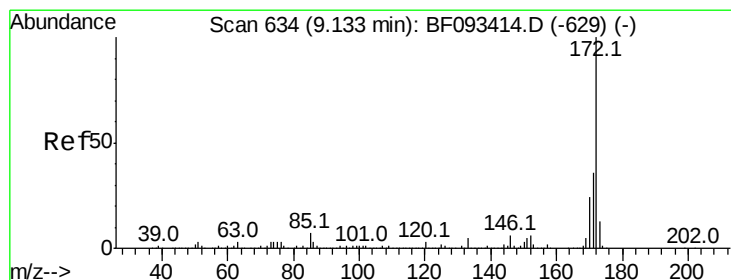
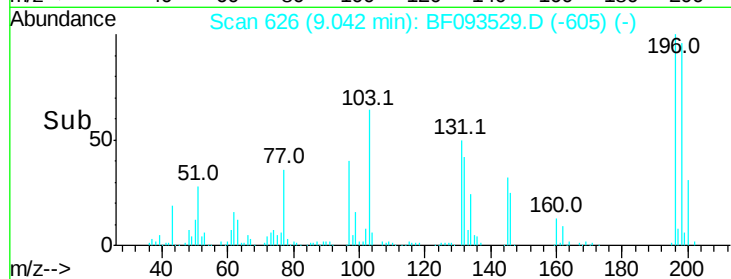
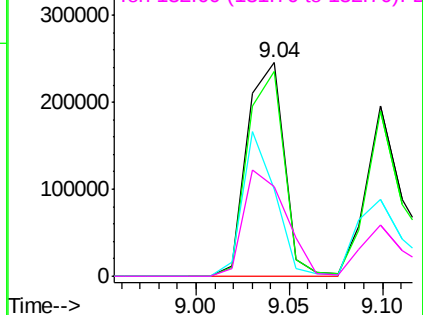
#43
 2,4,5-Trichlorophenol
 Concen: 50.73 ng
 RT: 9.04 min Scan# 626
 Delta R.T. -0.06 min
 Lab File: BF093529.D
 Acq: 10 Mar 2017 18:33

Instrument :
 BNA_F
 ClientSampleId :
 D-38MSD

Tot Ion:196 Resp: 338918
 Ion Ratio Lower Upper
 196 100
 198 95.7 79.4 119.2
 97 40.5 51.5 77.3#
 132 42.2 27.4 41.2#

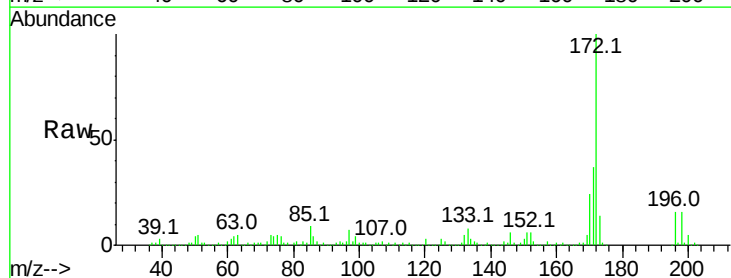


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

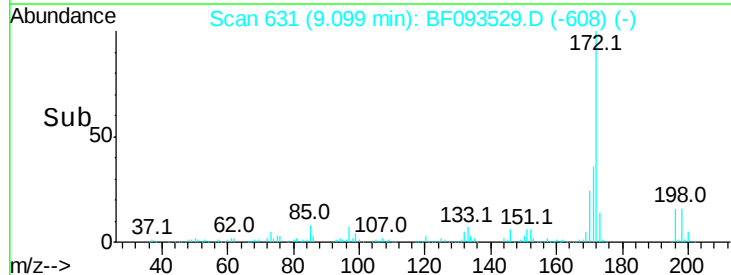
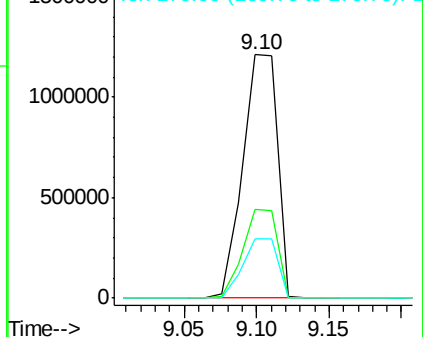


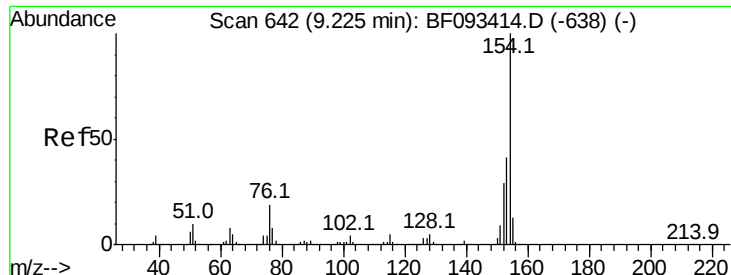
#44
 2-Fluorobiphenyl
 Concen: 102.01 ng
 RT: 9.10 min Scan# 631
 Delta R.T. -0.03 min
 Lab File: BF093529.D
 Acq: 10 Mar 2017 18:33

Tgt Ion:172 Resp: 2001477
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.4 44.0
 170 24.2 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



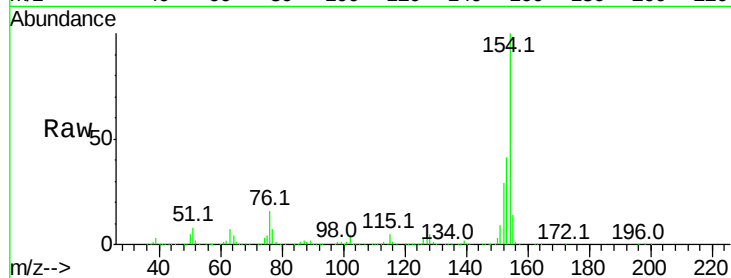


#45
 1,1'-Biphenyl
 Concen: 48.24 ng
 RT: 9.20 min Scan# 640
 Delta R.T. -0.02 min
 Lab File: BF093529.D
 Acq: 10 Mar 2017 18:33

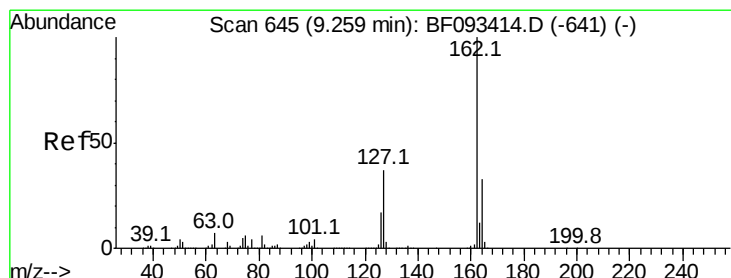
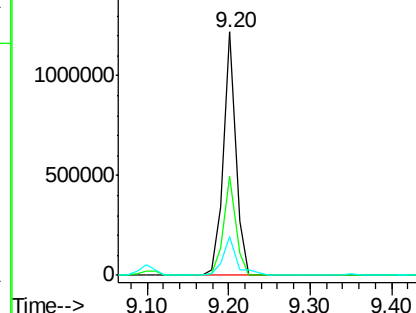
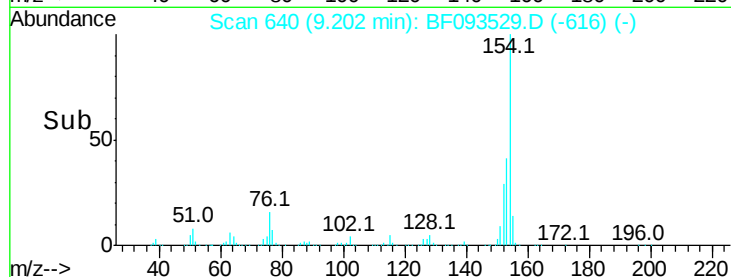
Instrument :
 BNA_F
 ClientSampleId :
 D-38MSD

Tot Ion:154 Resp: 1282365

Ion	Ratio	Lower	Upper
154	100		
153	40.8	20.9	60.9
76	15.9	0.0	30.5



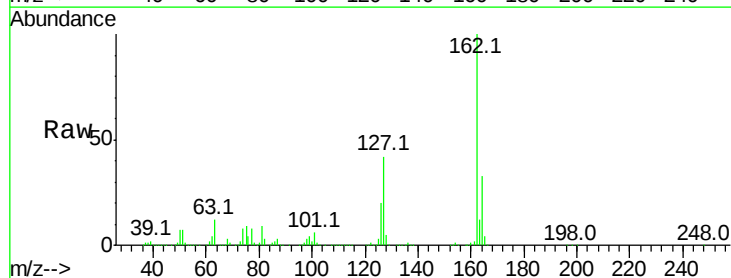
Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0



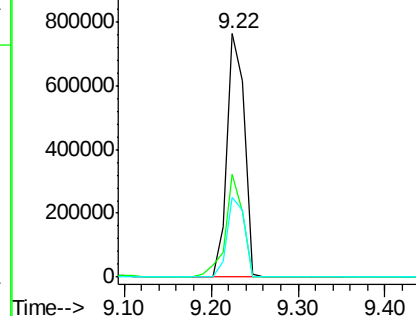
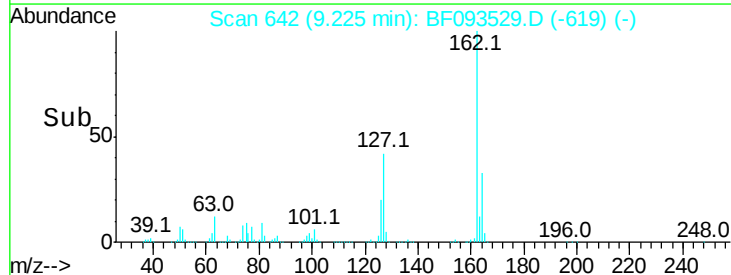
#46
 2-Chloronaphthalene
 Concen: 52.40 ng
 RT: 9.22 min Scan# 642
 Delta R.T. -0.03 min
 Lab File: BF093529.D
 Acq: 10 Mar 2017 18:33

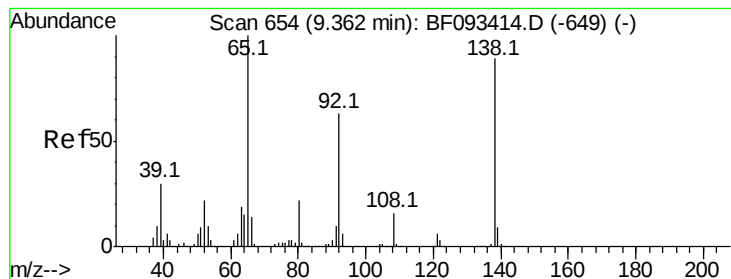
Tgt Ion:162 Resp: 1066248

Ion	Ratio	Lower	Upper
162	100		
127	42.3	30.7	46.1
164	32.5	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: 54.87 ng

RT: 9.35 min Scan# 653

Delta R.T. -0.01 min

Lab File: BF093529.D

Acq: 10 Mar 2017 18:33

Instrument :

BNA_F

ClientSampleId :

D-38MSD

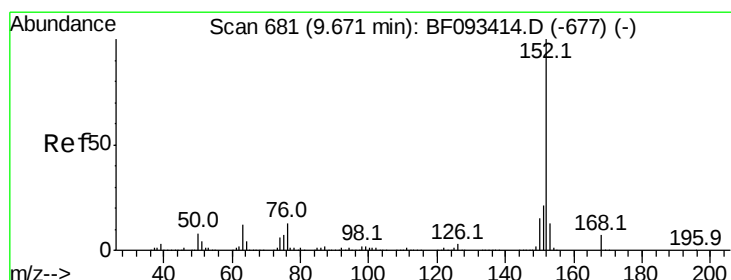
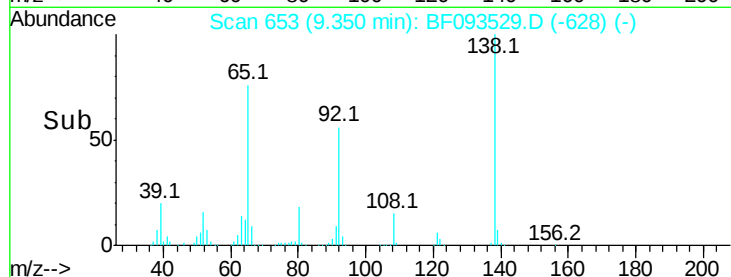
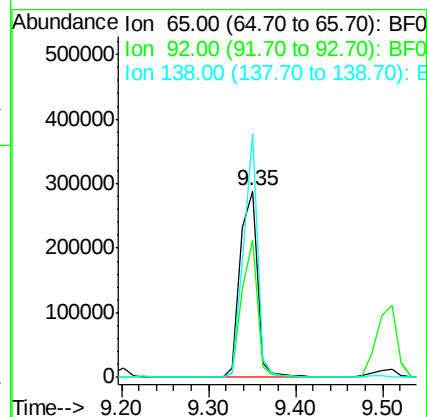
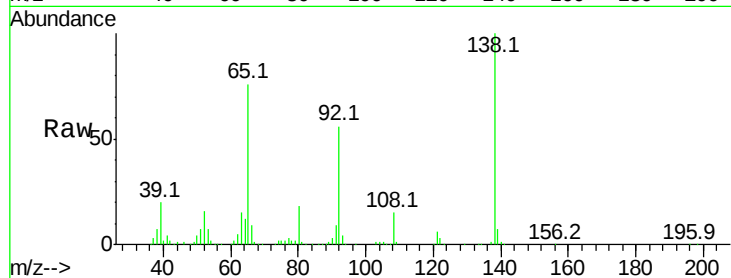
Tot Ion: 65 Resp: 394679

Ion Ratio Lower Upper

65 100

92 73.8 53.9 80.9

138 130.9 76.8 115.2#



#48

Acenaphthylene

Concen: 49.99 ng

RT: 9.65 min Scan# 679

Delta R.T. -0.02 min

Lab File: BF093529.D

Acq: 10 Mar 2017 18:33

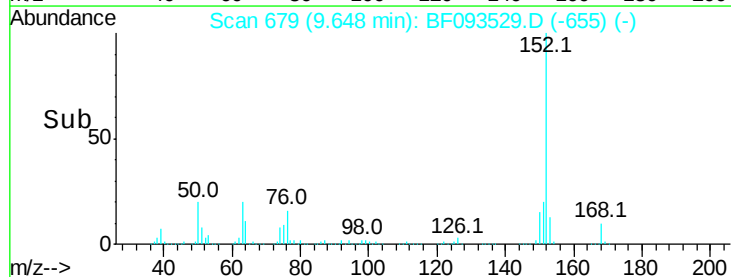
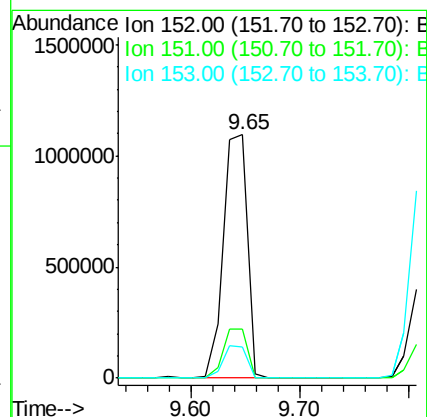
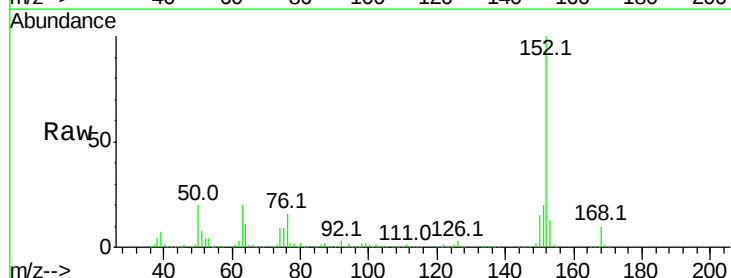
Tgt Ion: 152 Resp: 1677530

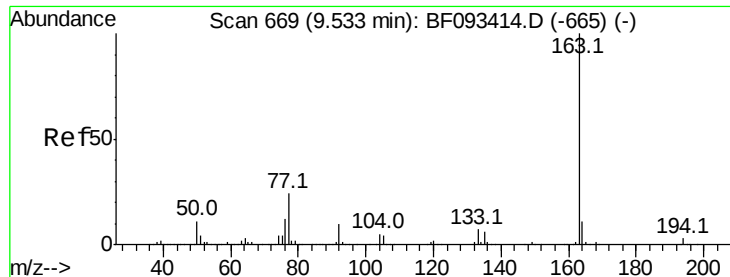
Ion Ratio Lower Upper

152 100

151 20.4 16.9 25.3

153 13.0 11.4 17.2

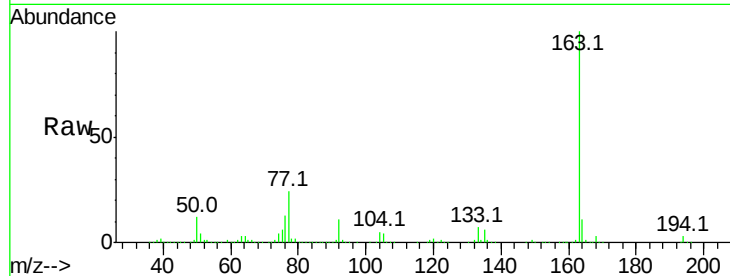




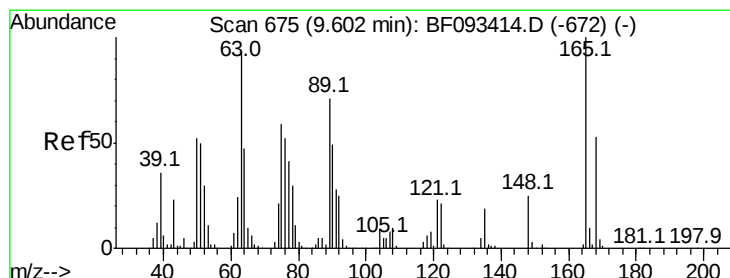
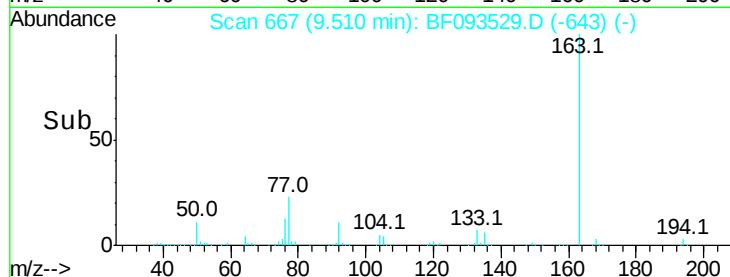
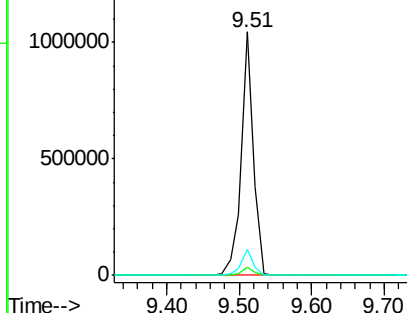
#49
Dimethylphthalate
Concen: 50.34 ng
RT: 9.51 min Scan# 667
Delta R.T. -0.02 min
Lab File: BF093529.D
Acq: 10 Mar 2017 18:33

Instrument :
BNA_F
ClientSampleId :
D-38MSD

Tot Ion:163 Resp: 1217834
Ion Ratio Lower Upper
163 100
194 3.2 3.0 4.4
164 10.5 8.0 12.0

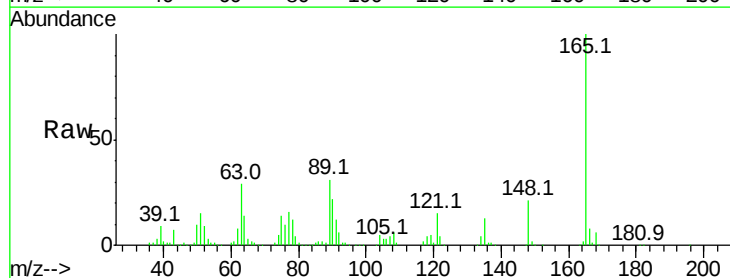


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

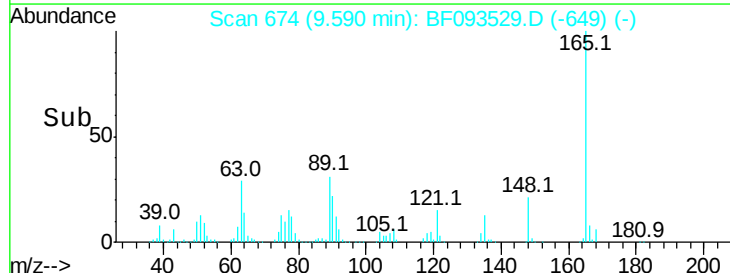
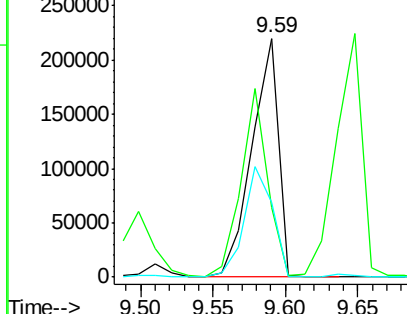


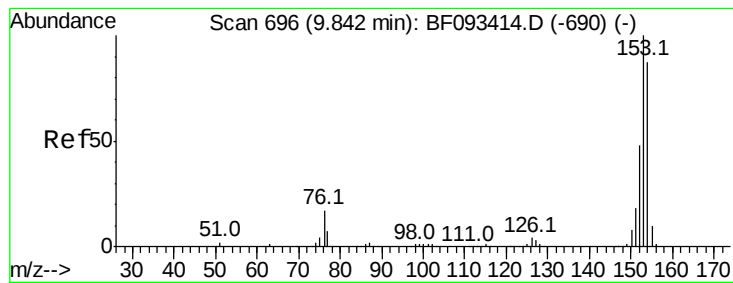
#50
2,6-Dinitrotoluene
Concen: 52.86 ng
RT: 9.59 min Scan# 674
Delta R.T. -0.01 min
Lab File: BF093529.D
Acq: 10 Mar 2017 18:33

Tgt Ion:165 Resp: 280630
Ion Ratio Lower Upper
165 100
63 29.3 36.2 54.4#
89 31.3 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: 48.55 ng

RT: 9.81 min Scan# 693

Delta R.T. -0.03 min

Lab File: BF093529.D

Acq: 10 Mar 2017 18:33

Instrument :

BNA_F

ClientSampleId :

D-38MSD

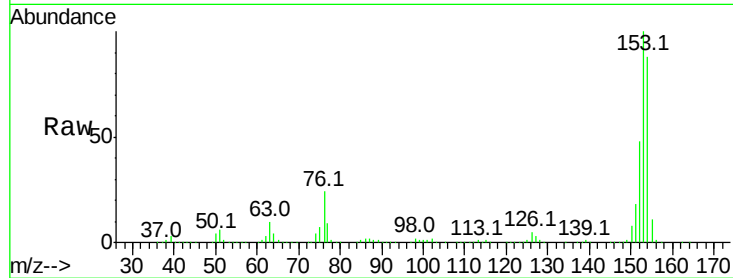
Tot Ion:154 Resp: 963487

Ion Ratio Lower Upper

154 100

153 113.9 88.6 133.0

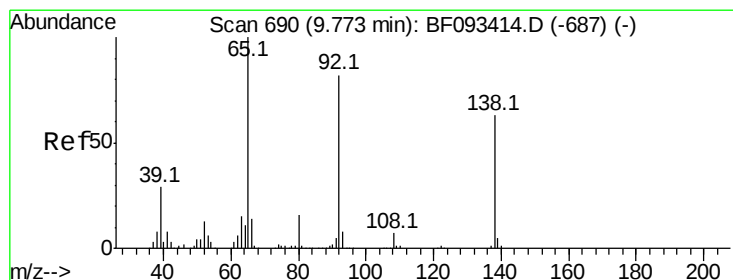
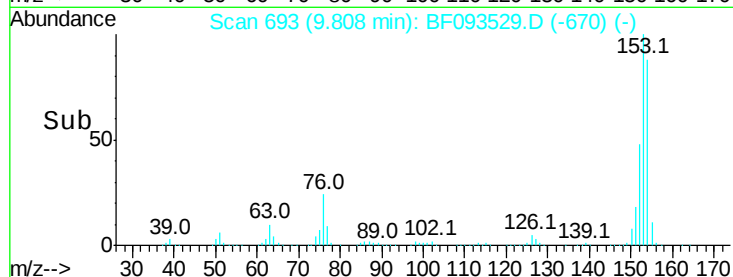
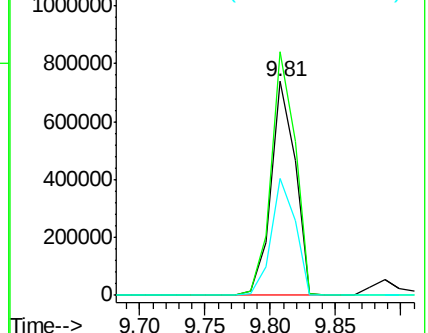
152 54.4 41.6 62.4



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: 19.84 ng

RT: 9.76 min Scan# 689

Delta R.T. -0.01 min

Lab File: BF093529.D

Acq: 10 Mar 2017 18:33

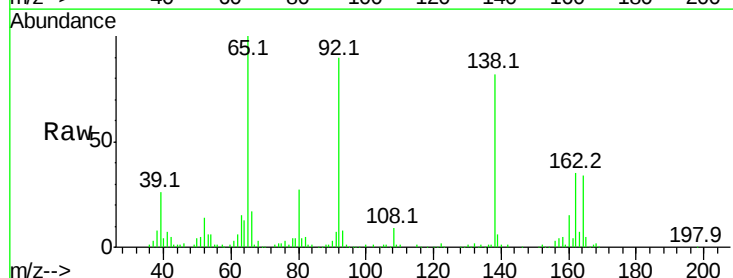
Tgt Ion:138 Resp: 126546

Ion Ratio Lower Upper

138 100

108 10.4 8.5 12.7

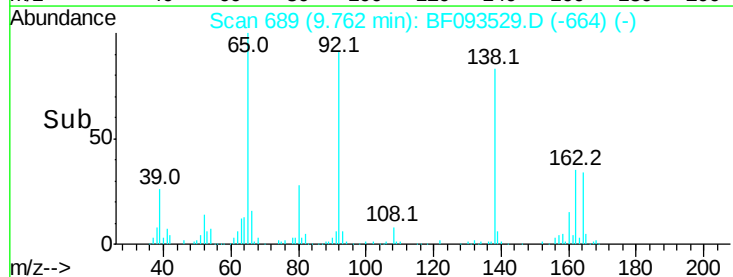
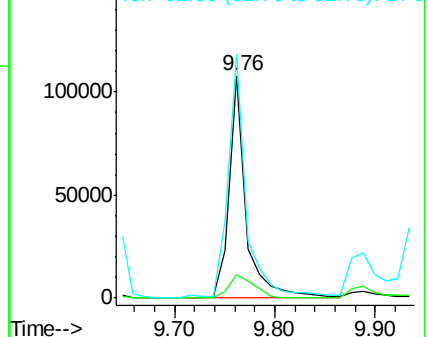
92 109.6 97.8 146.8

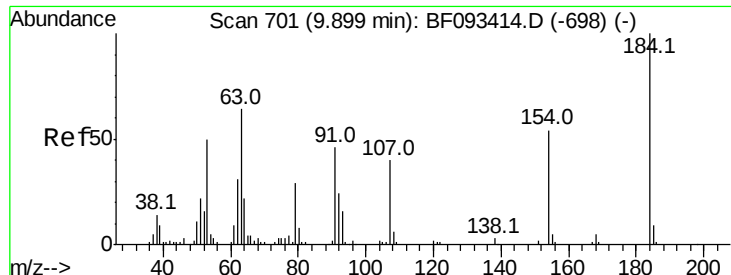


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

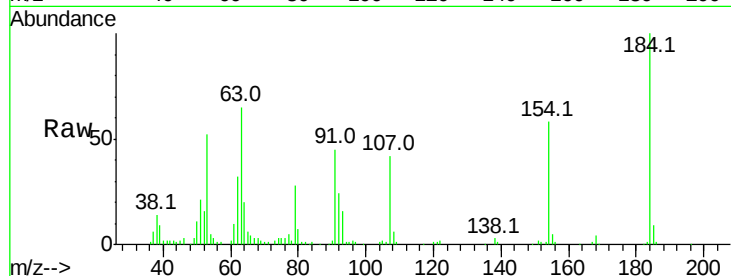




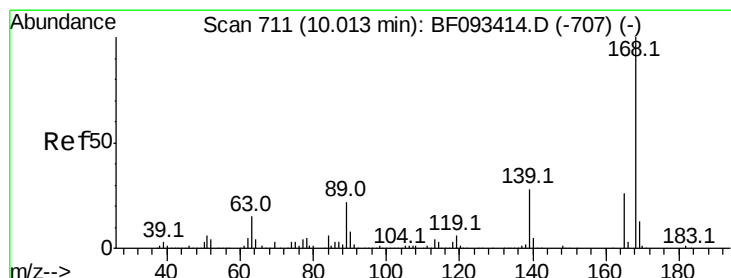
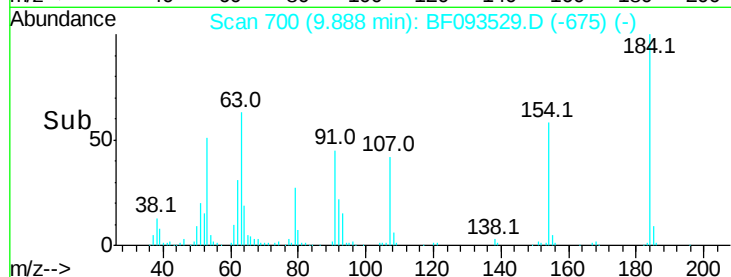
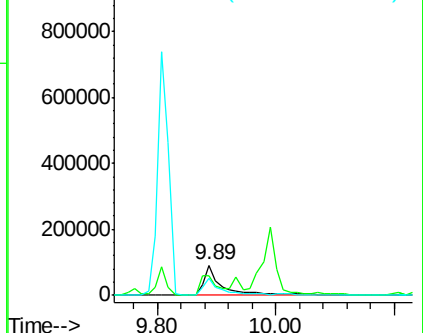
#53
2,4-Dinitrophenol
Concen: 88.05 ng
RT: 9.89 min Scan# 700
Delta R.T. -0.01 min
Lab File: BF093529.D
Acq: 10 Mar 2017 18:33

Instrument :
BNA_F
ClientSampled :
D-38MSD

Tot Ion:184 Resp: 212878
Ion Ratio Lower Upper
184 100
63 64.8 28.4 42.6#
154 58.3 44.3 66.5

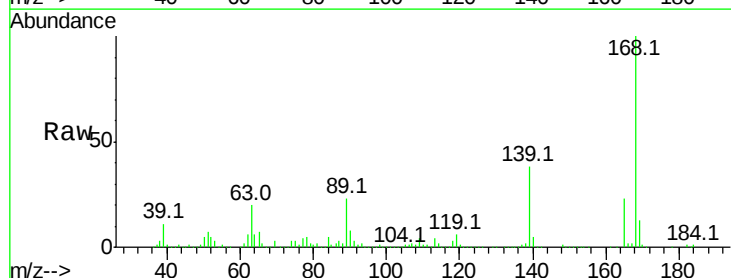


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

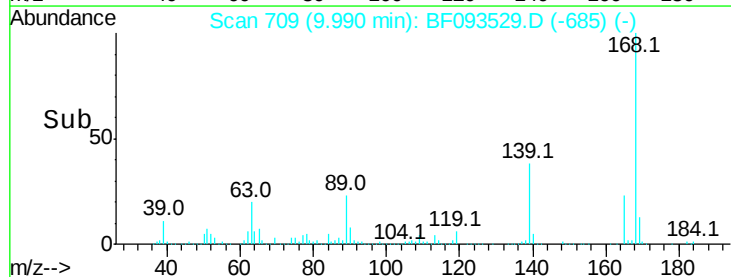
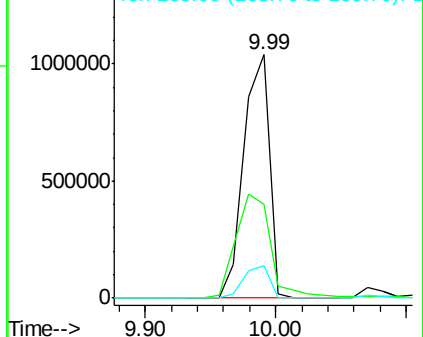


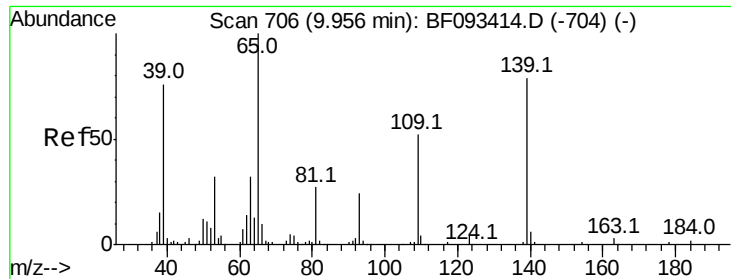
#54
Dibenzofuran
Concen: 56.98 ng
RT: 9.99 min Scan# 709
Delta R.T. -0.02 min
Lab File: BF093529.D
Acq: 10 Mar 2017 18:33

Tgt Ion:168 Resp: 1415292
Ion Ratio Lower Upper
168 100
139 38.5 32.6 49.0
169 13.3 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

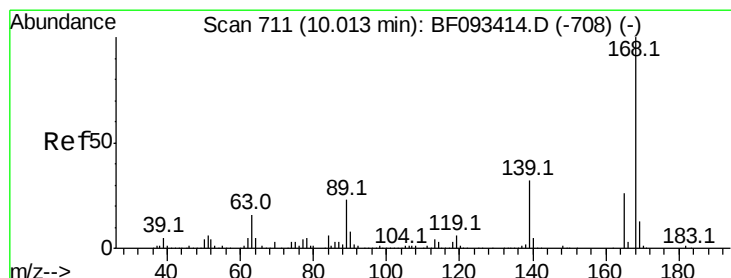
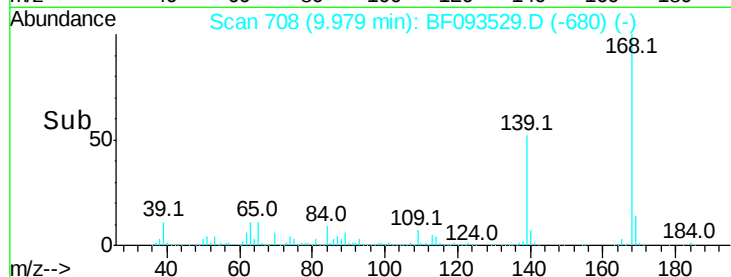
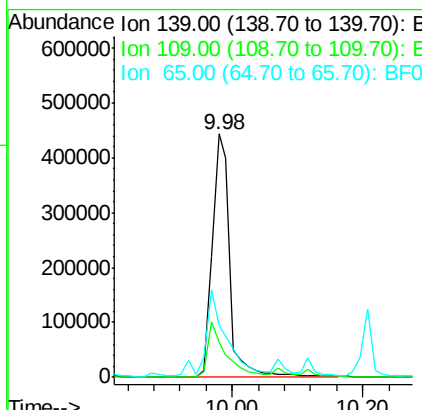
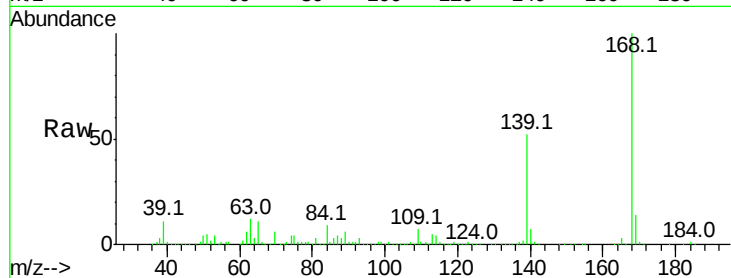




#55
4-Nitrophenol
Concen: 274.22 ng
RT: 9.98 min Scan# 708
Delta R.T. 0.02 min
Lab File: BF093529.D
Acq: 10 Mar 2017 18:33

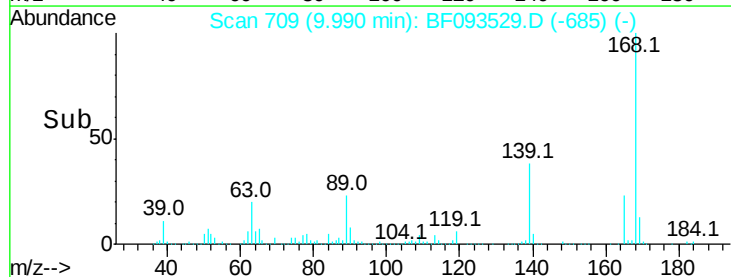
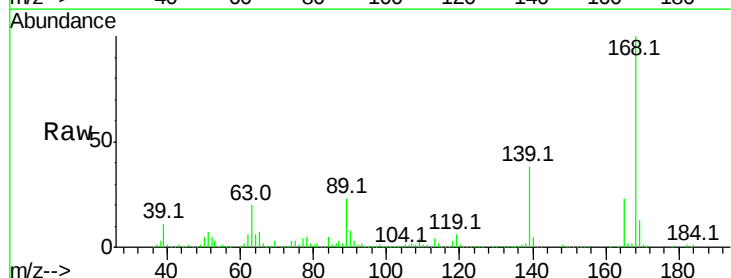
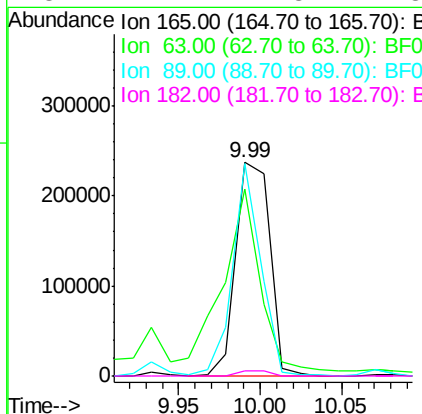
Instrument :
BNA_F
ClientSampleId :
D-38MSD

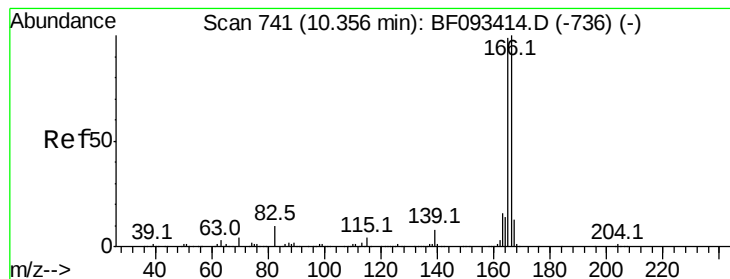
Tot Ion:139 Resp: 849478
Ion Ratio Lower Upper
139 100
109 14.2 52.2 92.2#
65 21.3 85.8 125.8#



#56
2,4-Dinitrotoluene
Concen: 52.16 ng
RT: 9.99 min Scan# 709
Delta R.T. -0.02 min
Lab File: BF093529.D
Acq: 10 Mar 2017 18:33

Tgt Ion:165 Resp: 340198
Ion Ratio Lower Upper
165 100
63 87.7 40.2 60.4#
89 99.6 62.5 93.7#
182 2.4 1.8 2.8





#57

Fluorene

Concen: 52.66 ng

RT: 10.33 min Scan# 739

Delta R.T. -0.02 min

Lab File: BF093529.D

Acq: 10 Mar 2017 18:33

Instrument :

BNA_F

ClientSampleId :

D-38MSD

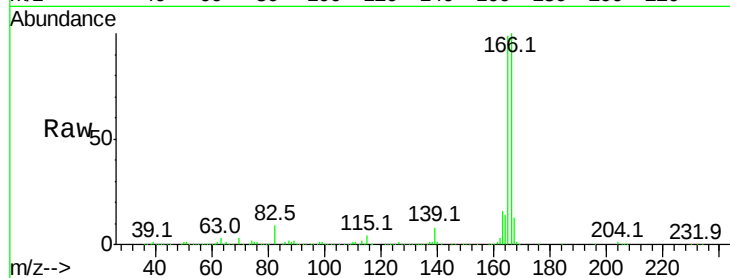
Tot Ion:166 Resp: 1108393

Ion Ratio Lower Upper

166 100

165 99.5 77.8 116.8

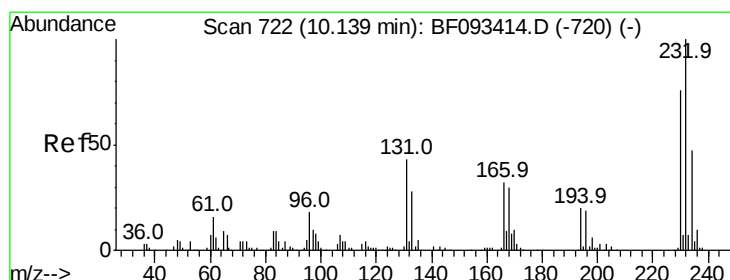
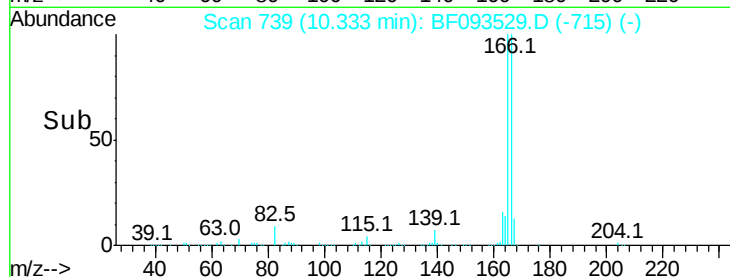
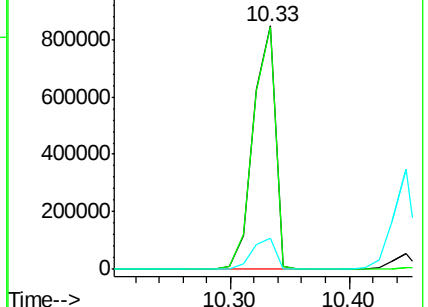
167 12.8 10.8 16.2



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: 59.62 ng

RT: 10.12 min Scan# 720

Delta R.T. -0.02 min

Lab File: BF093529.D

Acq: 10 Mar 2017 18:33

Tgt Ion:232 Resp: 281072

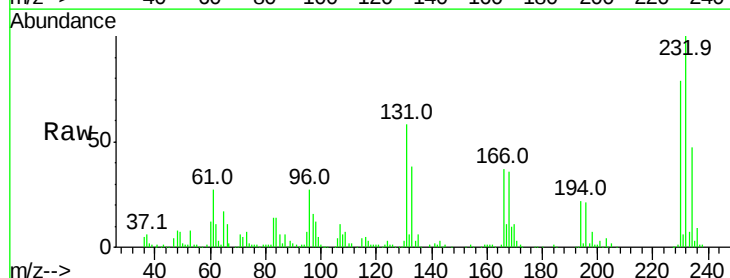
Ion Ratio Lower Upper

232 100

131 43.8 40.1 60.1

130 2.5 1.8 2.8

166 31.4 26.6 39.8

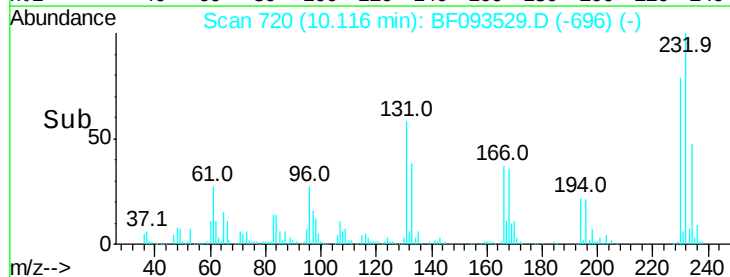
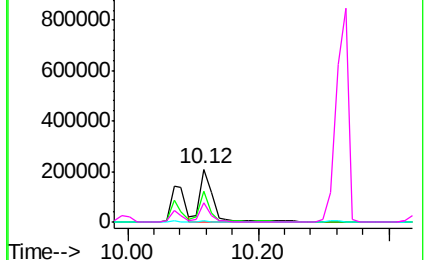


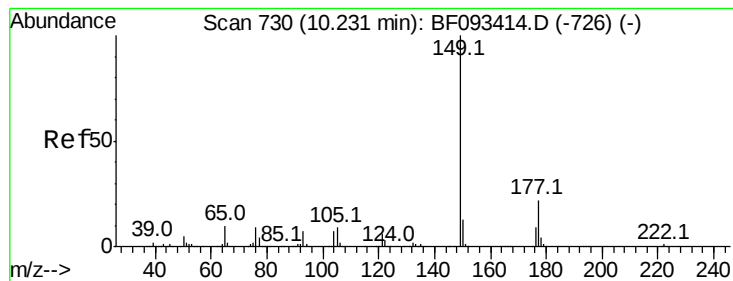
Abundance Ion 232.00 (231.70 to 232.70): E

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: 51.02 ng

RT: 10.21 min Scan# 728

Delta R.T. -0.02 min

Lab File: BF093529.D

Acq: 10 Mar 2017 18:33

Instrument :

BNA_F

ClientSampled :

D-38MSD

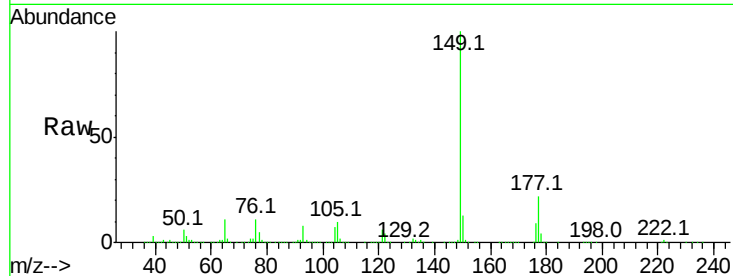
Tot Ion:149 Resp: 1179691

Ion Ratio Lower Upper

149 100

177 21.6 16.6 25.0

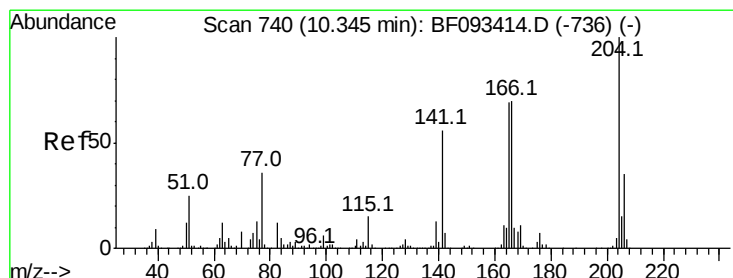
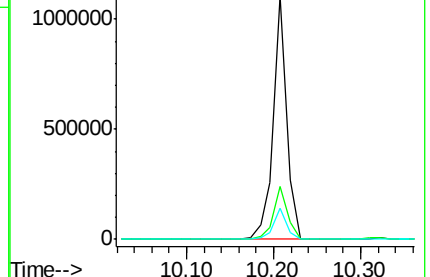
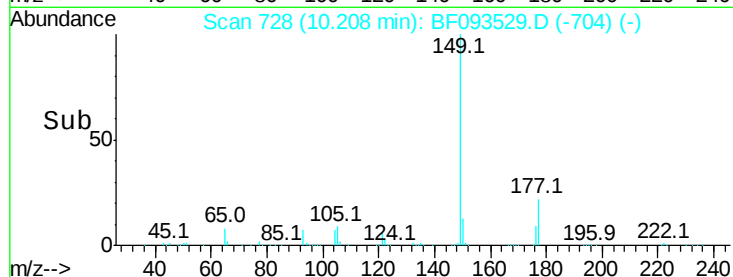
150 12.7 10.4 15.6



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: 56.49 ng

RT: 10.32 min Scan# 738

Delta R.T. -0.02 min

Lab File: BF093529.D

Acq: 10 Mar 2017 18:33

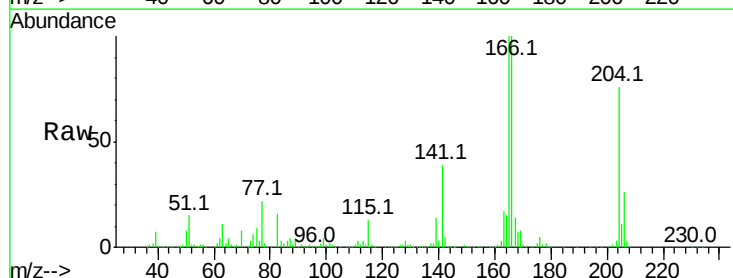
Tgt Ion:204 Resp: 532918

Ion Ratio Lower Upper

204 100

206 34.6 25.8 38.6

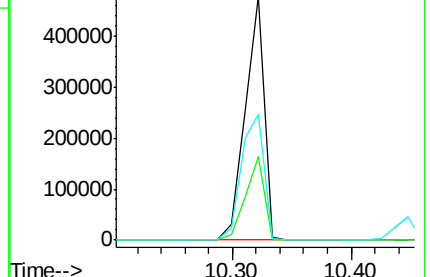
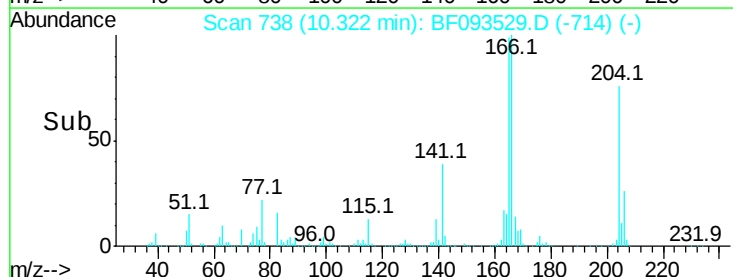
141 51.6 59.4 89.0#

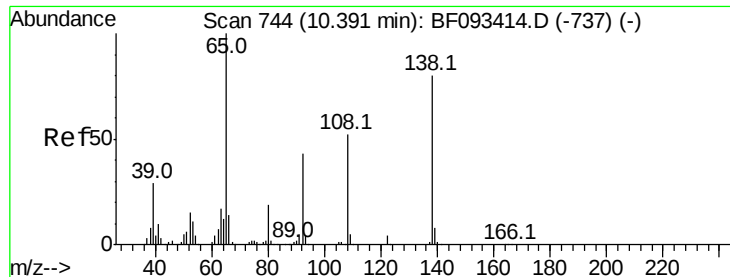


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

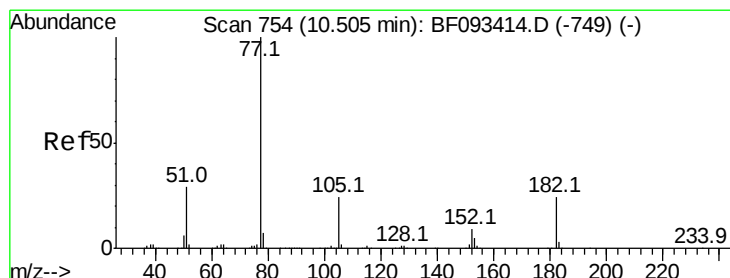
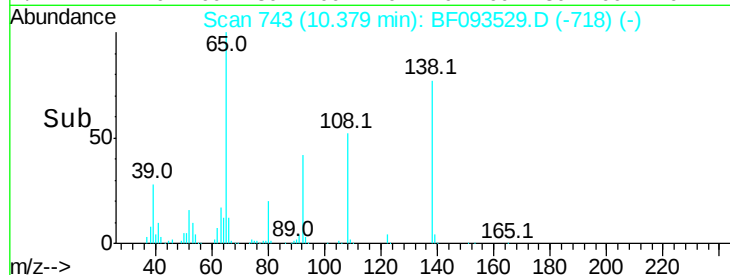
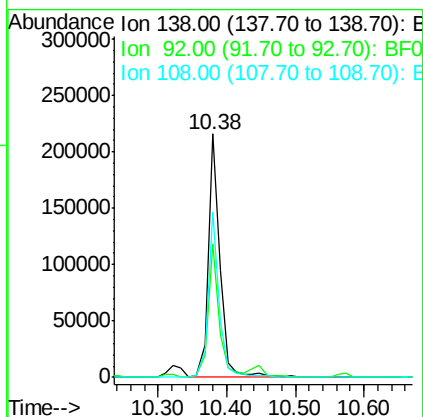
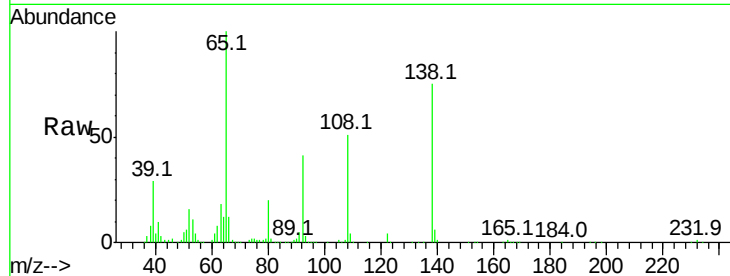




#61
4-Nitroaniline
Concen: 38.85 ng
RT: 10.38 min Scan# 743
Delta R.T. -0.01 min
Lab File: BF093529.D
Acq: 10 Mar 2017 18:33

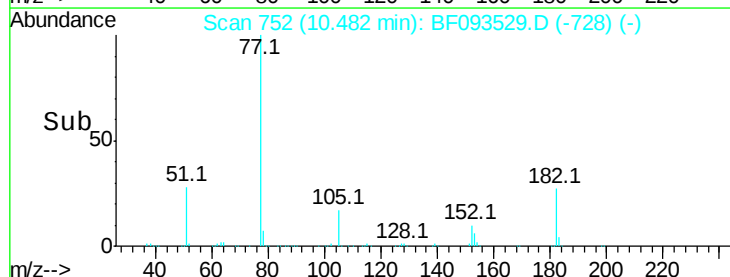
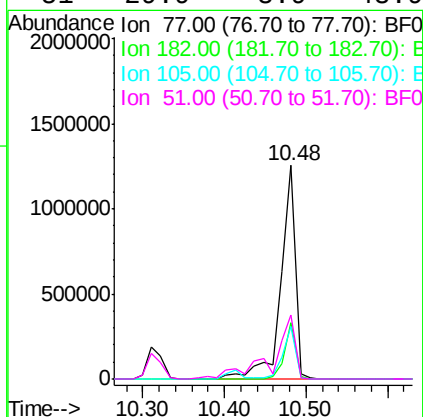
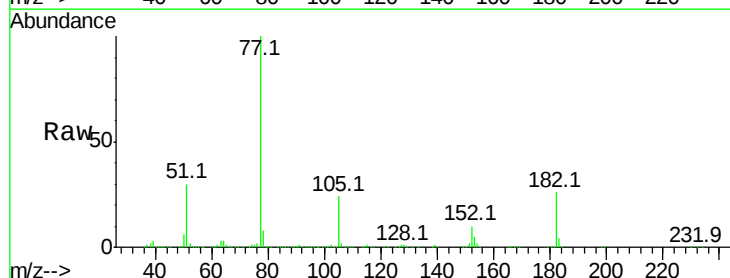
Instrument :
BNA_F
ClientSampleId :
D-38MSD

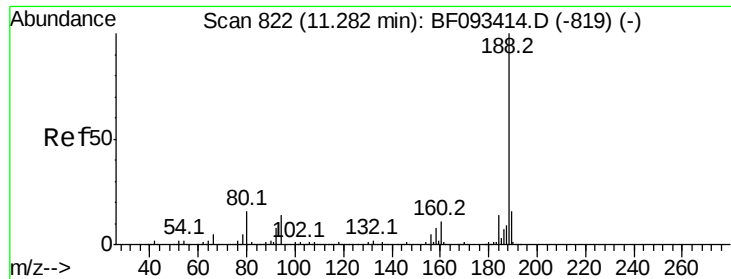
Tot Ion:138 Resp: 253392
Ion Ratio Lower Upper
138 100
92 54.7 31.7 71.7
108 68.1 52.6 92.6



#62
Azobenzene
Concen: 58.55 ng
RT: 10.48 min Scan# 752
Delta R.T. -0.02 min
Lab File: BF093529.D
Acq: 10 Mar 2017 18:33

Tgt Ion: 77 Resp: 1538274
Ion Ratio Lower Upper
77 100
182 26.2 0.0 39.3
105 24.4 2.3 42.3
51 29.9 8.9 48.9

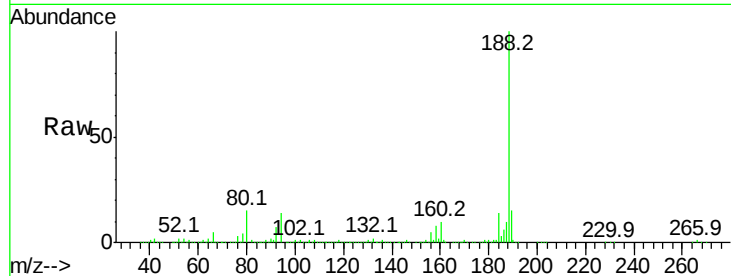




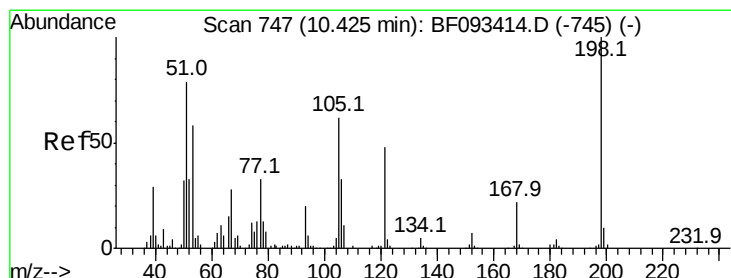
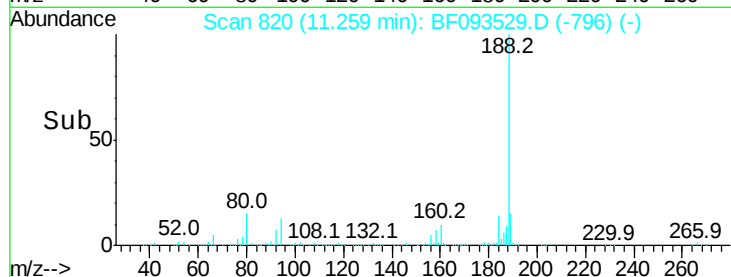
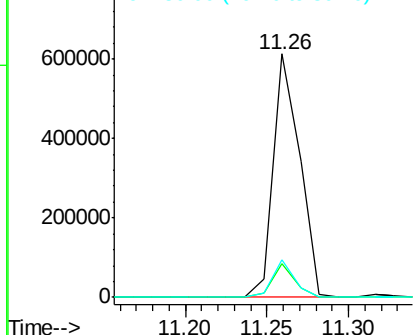
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.26 min Scan# 820
Delta R.T. -0.02 min
Lab File: BF093529.D
Acq: 10 Mar 2017 18:33

Instrument :
BNA_F
ClientSampleId :
D-38MSD

Tot Ion:188 Resp: 692614
Ion Ratio Lower Upper
188 100
94 14.0 10.0 15.0
80 15.5 11.2 16.8

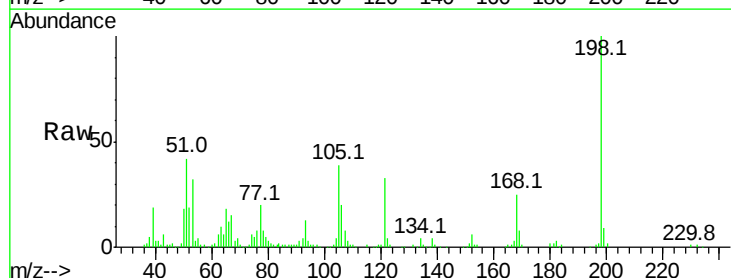


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

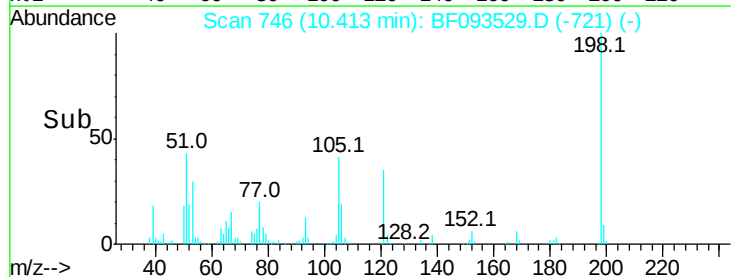
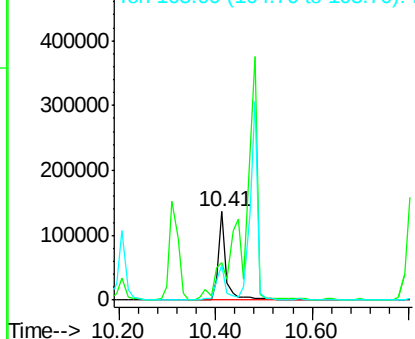


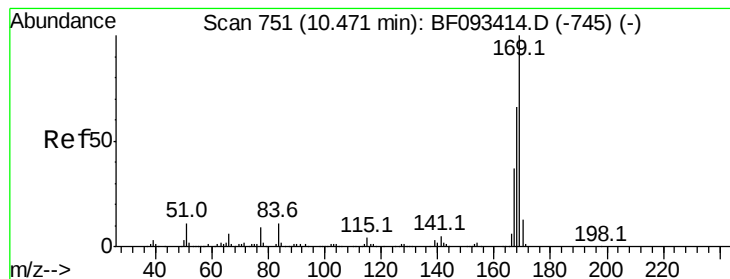
#64
4,6-Dinitro-2-methylphenol
Concen: 37.74 ng
RT: 10.41 min Scan# 746
Delta R.T. -0.01 min
Lab File: BF093529.D
Acq: 10 Mar 2017 18:33

Tgt Ion:198 Resp: 169375
Ion Ratio Lower Upper
198 100
51 41.9 6.7 46.7
105 39.1 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: 43.69 ng

RT: 10.45 min Scan# 749

Delta R.T. -0.02 min

Lab File: BF093529.D

Acq: 10 Mar 2017 18:33

Instrument :

BNA_F

ClientSampleId :

D-38MSD

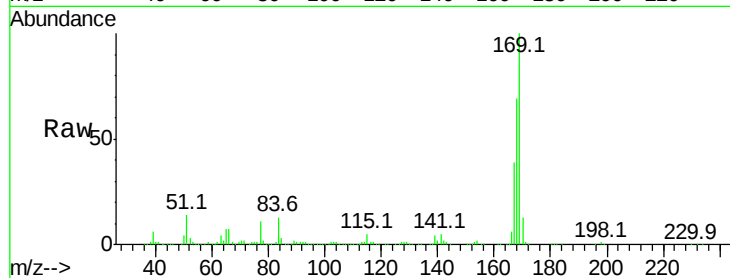
Tot Ion:169 Resp: 1010347

Ion Ratio Lower Upper

169 100

168 68.9 54.2 81.2

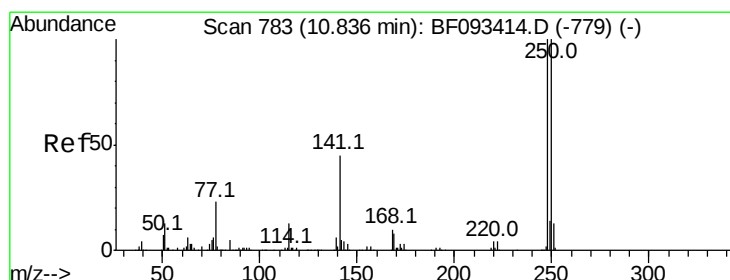
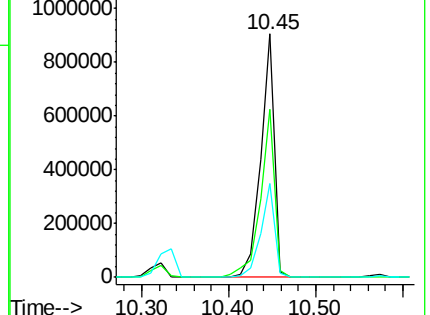
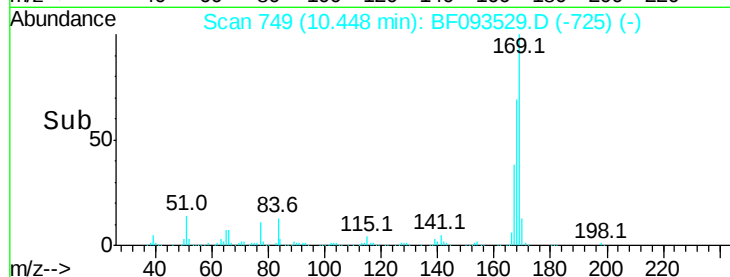
167 38.5 30.2 45.4



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: 41.66 ng

RT: 10.80 min Scan# 780

Delta R.T. -0.03 min

Lab File: BF093529.D

Acq: 10 Mar 2017 18:33

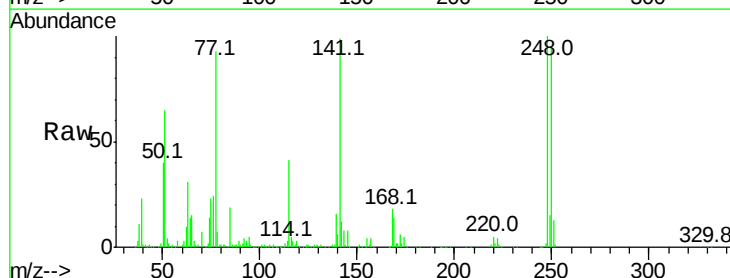
Tgt Ion:248 Resp: 305133

Ion Ratio Lower Upper

248 100

250 95.5 76.9 115.3

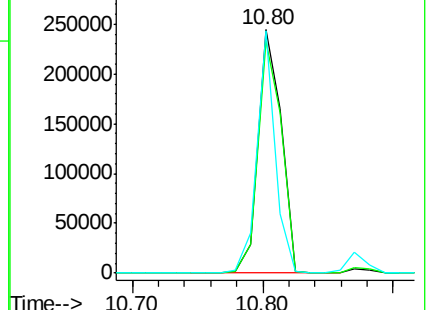
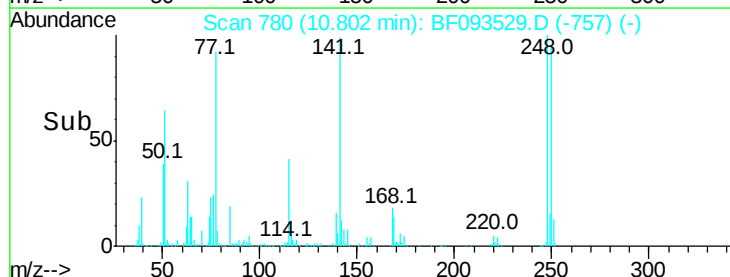
141 99.4 68.2 102.4

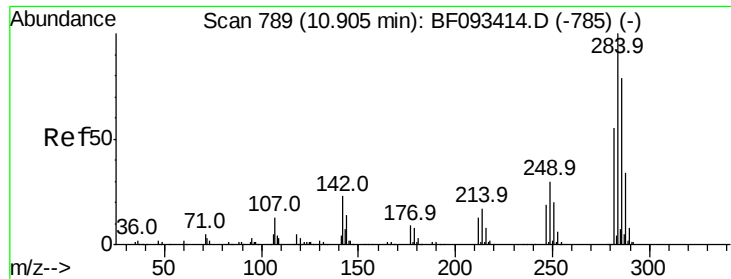


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#67

Hexachlorobenzene

Concen: 43.78 ng

RT: 10.88 min Scan# 787

Delta R.T. -0.02 min

Lab File: BF093529.D

Acq: 10 Mar 2017 18:33

Instrument :

BNA_F

ClientSampleId :

D-38MSD

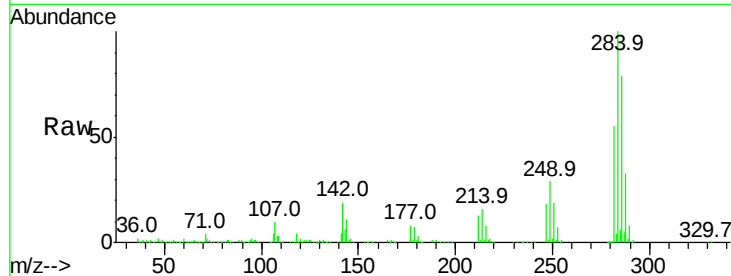
Tot Ion:284 Resp: 306159

Ion Ratio Lower Upper

284 100

142 19.0 22.6 33.8#

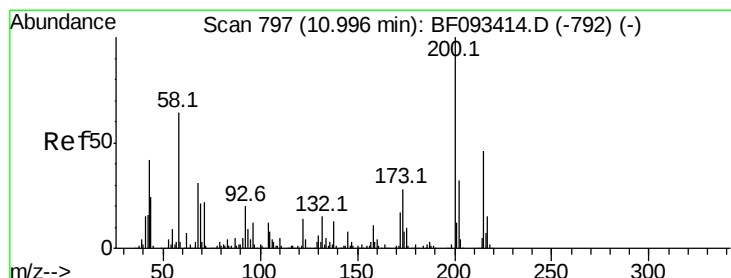
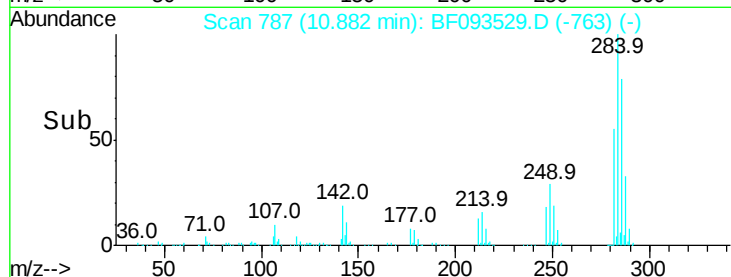
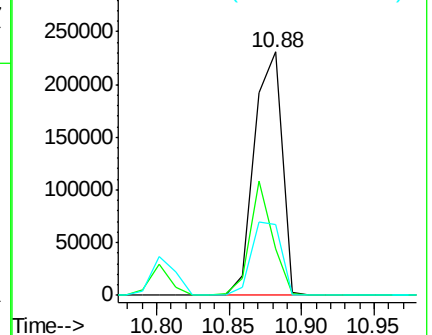
249 29.3 25.4 38.0



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#68

Atrazine

Concen: 33.68 ng

RT: 10.97 min Scan# 795

Delta R.T. -0.02 min

Lab File: BF093529.D

Acq: 10 Mar 2017 18:33

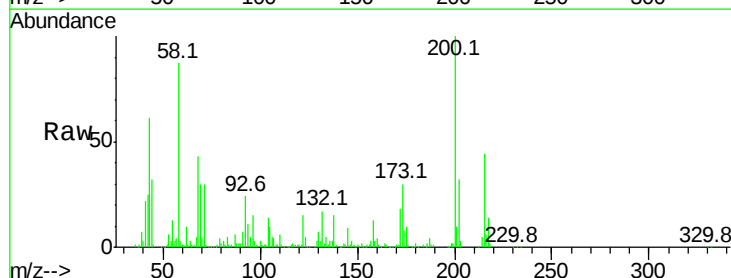
Tgt Ion:200 Resp: 228010

Ion Ratio Lower Upper

200 100

173 29.9 9.6 49.6

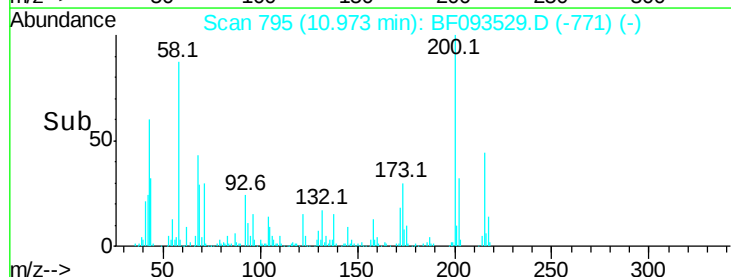
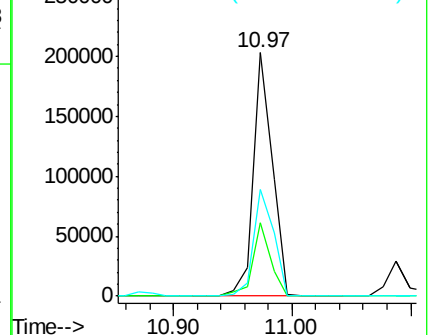
215 43.9 25.7 65.7

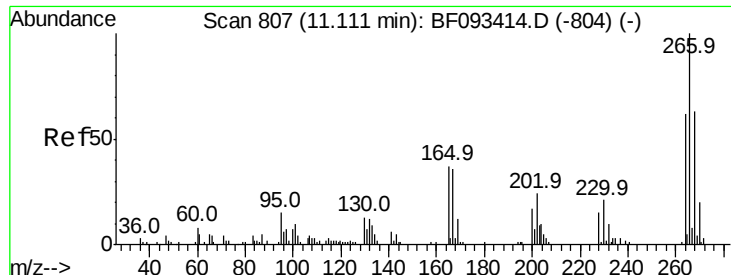


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

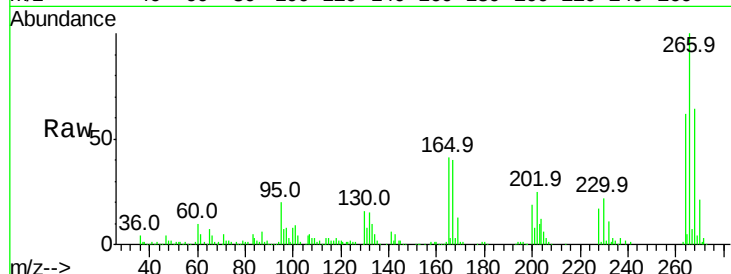




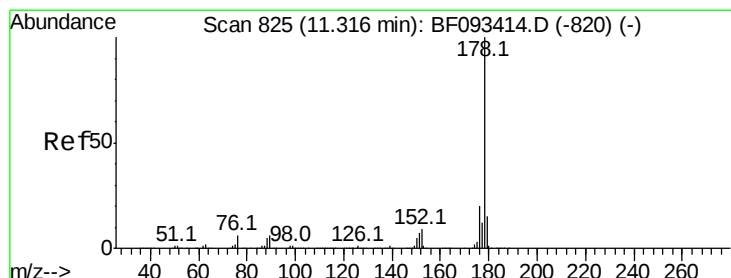
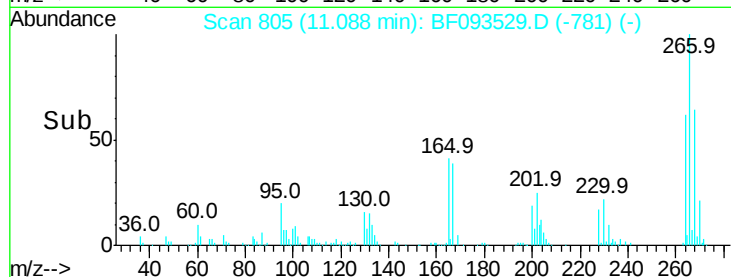
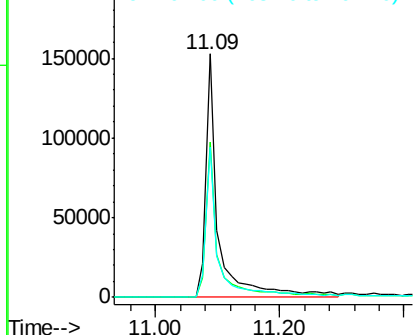
#69
 Pentachlorophenol
 Concen: 90.14 ng
 RT: 11.09 min Scan# 805
 Delta R.T. -0.02 min
 Lab File: BF093529.D
 Acq: 10 Mar 2017 18:33

Instrument :
 BNA_F
 ClientSampleId :
 D-38MSD

Tot Ion:266 Resp: 217656
 Ion Ratio Lower Upper
 266 100
 268 64.0 53.3 79.9
 264 61.5 50.3 75.5

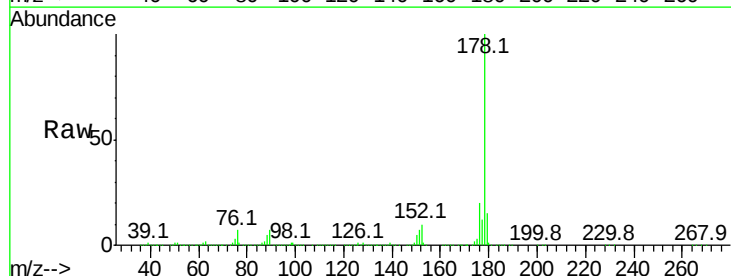


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

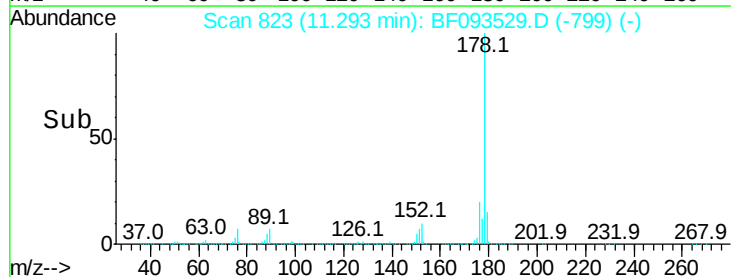
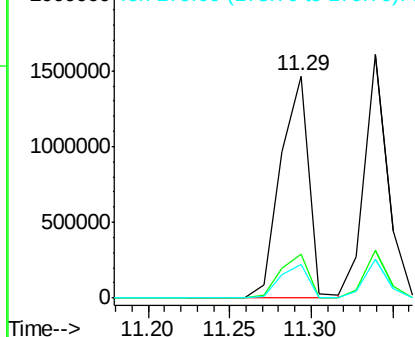


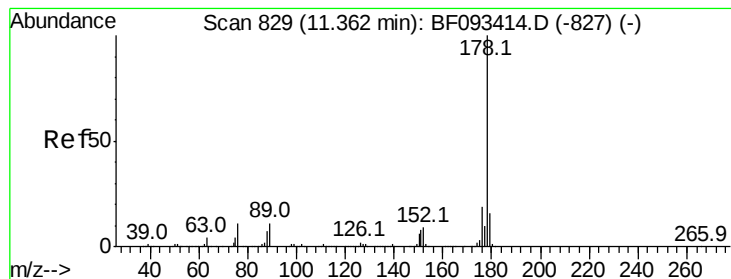
#70
 Phenanthrene
 Concen: 44.68 ng
 RT: 11.29 min Scan# 823
 Delta R.T. -0.02 min
 Lab File: BF093529.D
 Acq: 10 Mar 2017 18:33

Tgt Ion:178 Resp: 1766552
 Ion Ratio Lower Upper
 178 100
 176 20.0 16.6 25.0
 179 15.3 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: 40.41 ng

RT: 11.34 min Scan# 827

Delta R.T. -0.02 min

Lab File: BF093529.D

Acq: 10 Mar 2017 18:33

Instrument :

BNA_F

ClientSampleId :

D-38MSD

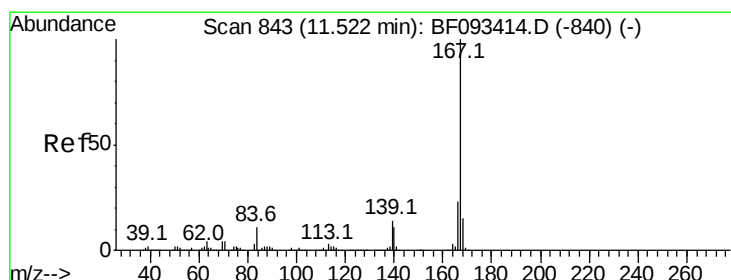
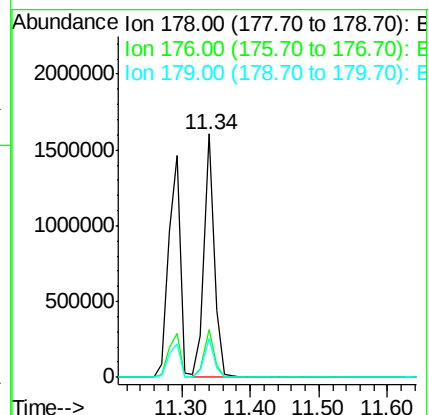
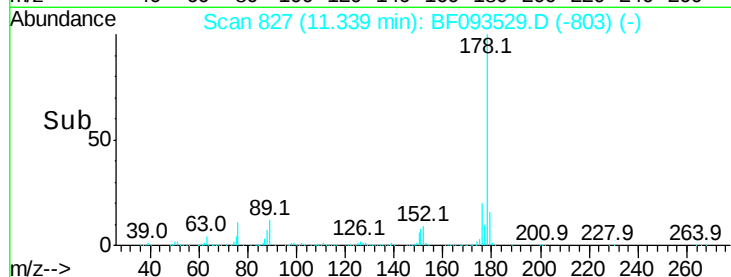
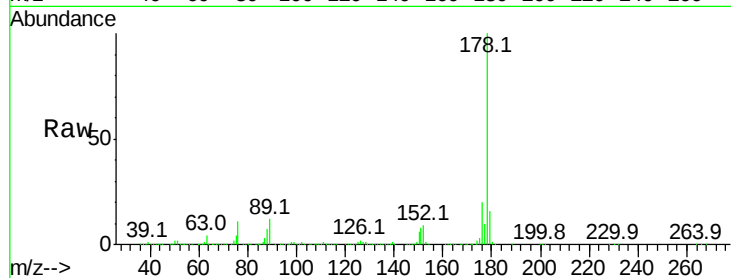
Tot Ion:178 Resp: 1615941

Ion Ratio Lower Upper

178 100

176 19.8 15.9 23.9

179 15.8 13.2 19.8



#72

Carbazole

Concen: 42.85 ng

RT: 11.51 min Scan# 842

Delta R.T. -0.01 min

Lab File: BF093529.D

Acq: 10 Mar 2017 18:33

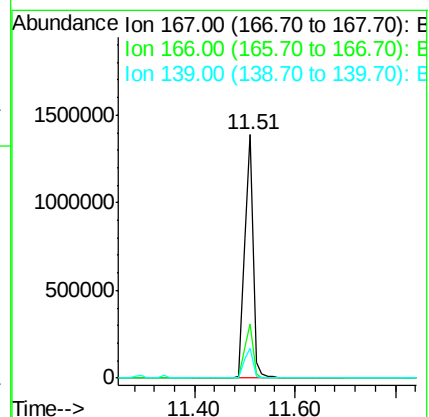
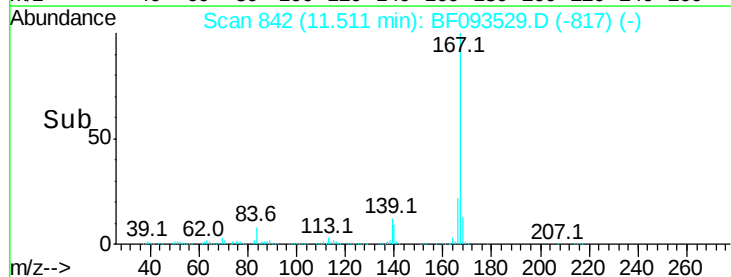
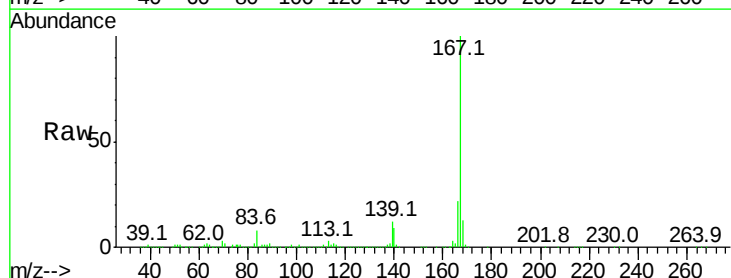
Tgt Ion:167 Resp: 1609730

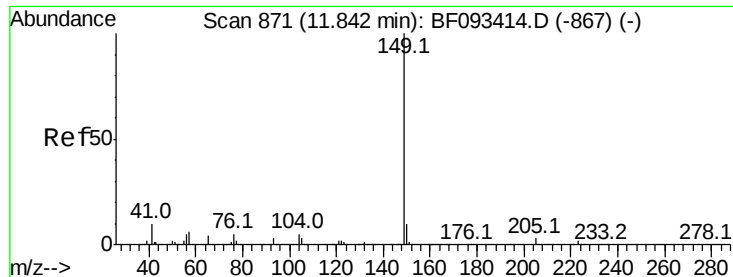
Ion Ratio Lower Upper

167 100

166 22.3 18.2 27.2

139 12.2 11.4 17.2





#73

Di-n-butylphthalate

Concen: 44.76 ng

RT: 11.82 min Scan# 869

Delta R.T. -0.02 min

Lab File: BF093529.D

Acq: 10 Mar 2017 18:33

Instrument :

BNA_F

ClientSampleId :

D-38MSD

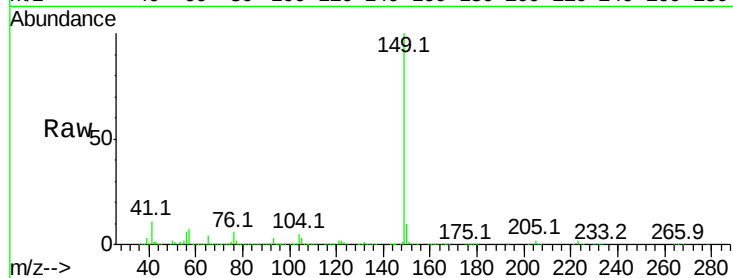
Tot Ion:149 Resp: 1945434

Ion Ratio Lower Upper

149 100

150 9.6 8.1 12.1

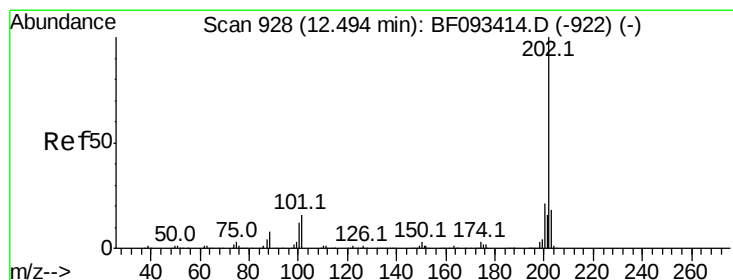
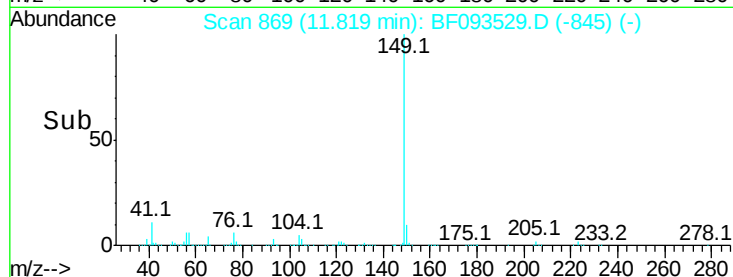
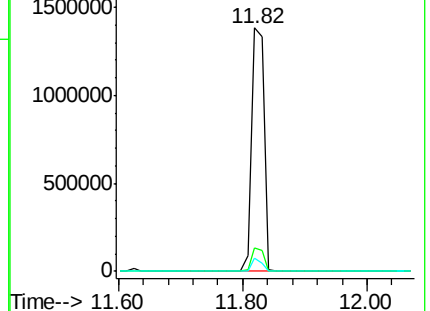
104 5.3 4.6 7.0



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: 45.61 ng

RT: 12.48 min Scan# 927

Delta R.T. -0.01 min

Lab File: BF093529.D

Acq: 10 Mar 2017 18:33

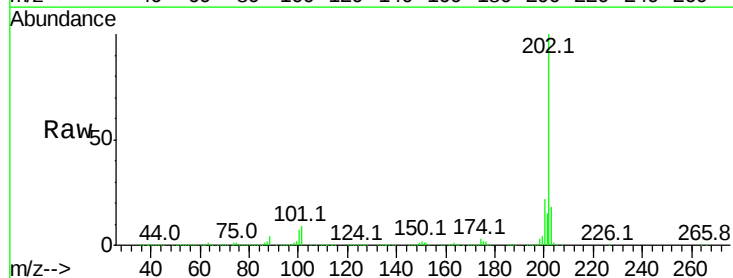
Tgt Ion:202 Resp: 1741751

Ion Ratio Lower Upper

202 100

101 8.8 0.0 34.6

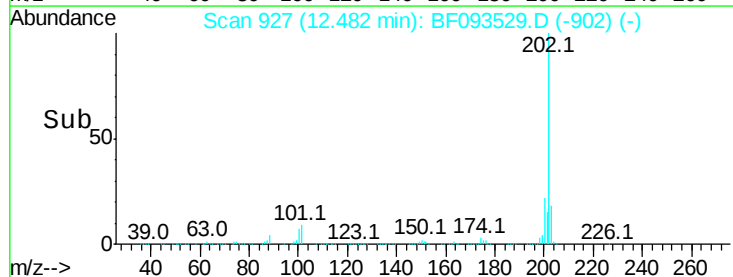
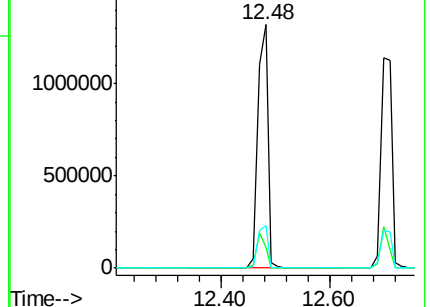
203 17.5 0.0 38.7

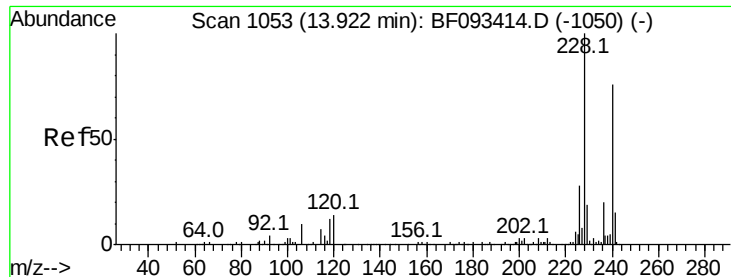


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.91 min Scan# 1052

Delta R.T. -0.01 min

Lab File: BF093529.D

Acq: 10 Mar 2017 18:33

Instrument :

BNA_F

ClientSampleId :

D-38MSD

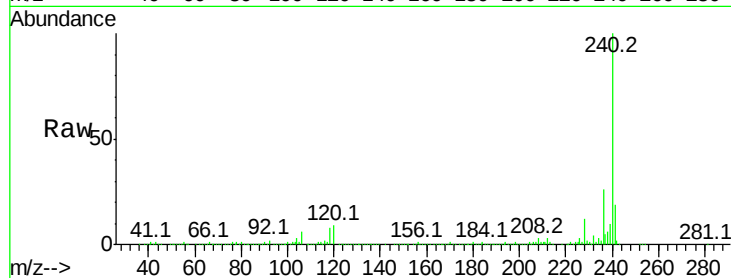
Tot Ion:240 Resp: 529449

Ion Ratio Lower Upper

240 100

120 8.8 12.9 19.3#

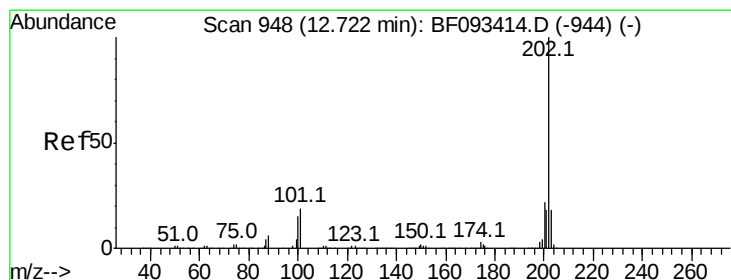
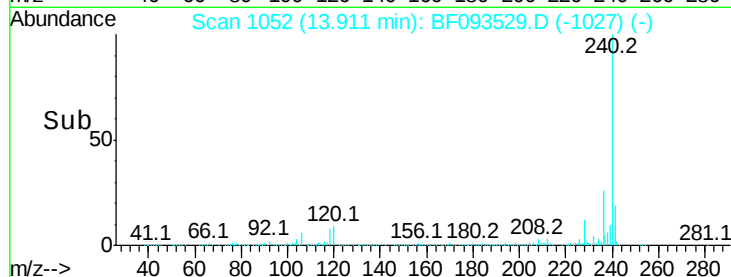
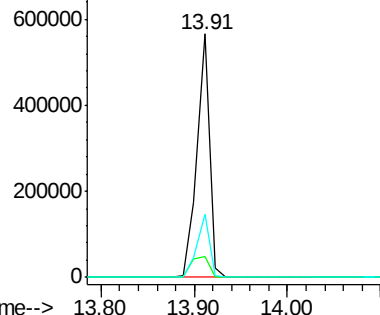
236 25.7 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 42.25 ng

RT: 12.70 min Scan# 946

Delta R.T. -0.02 min

Lab File: BF093529.D

Acq: 10 Mar 2017 18:33

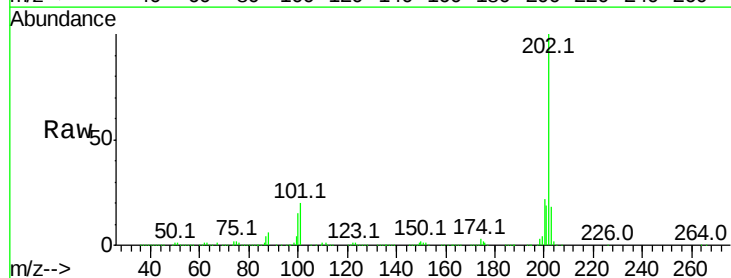
Tgt Ion:202 Resp: 1626688

Ion Ratio Lower Upper

202 100

200 22.1 17.7 26.5

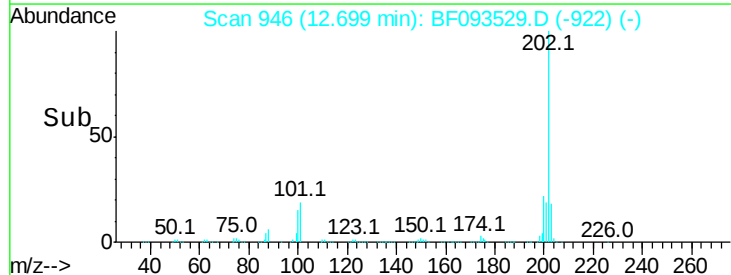
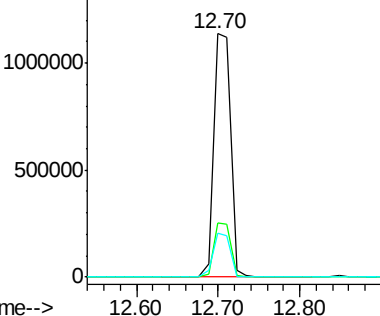
203 18.1 14.7 22.1

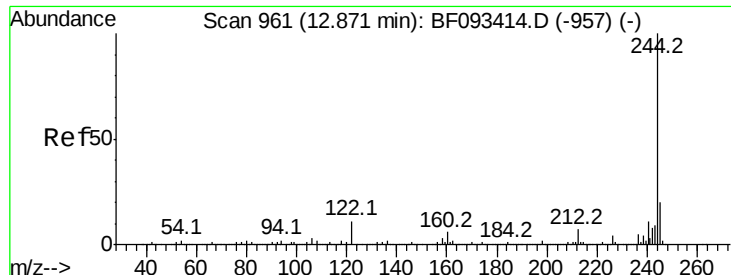


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 79.49 ng

RT: 12.85 min Scan# 959

Delta R.T. -0.02 min

Lab File: BF093529.D

Acq: 10 Mar 2017 18:33

Instrument :

BNA_F

ClientSampleId :

D-38MSD

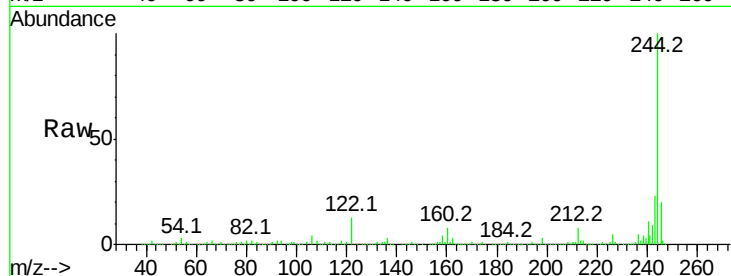
Tot Ion:244 Resp: 1618683

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

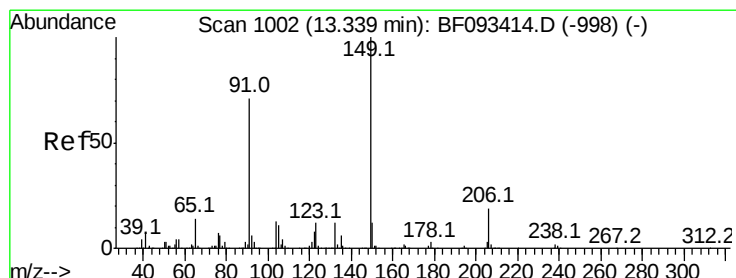
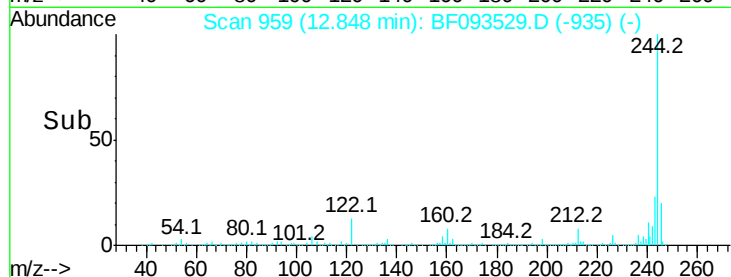
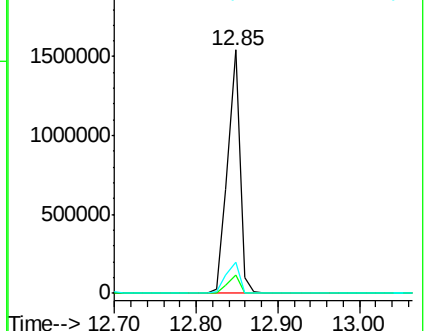
122 12.8 11.4 17.2



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#79

Butylbenzylphthalate

Concen: 45.04 ng

RT: 13.32 min Scan# 1000

Delta R.T. -0.02 min

Lab File: BF093529.D

Acq: 10 Mar 2017 18:33

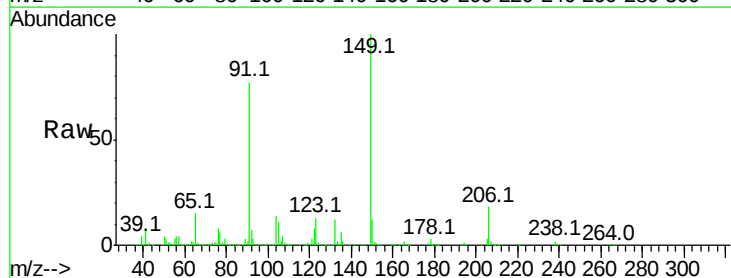
Tgt Ion:149 Resp: 730094

Ion Ratio Lower Upper

149 100

91 76.5 63.9 95.9

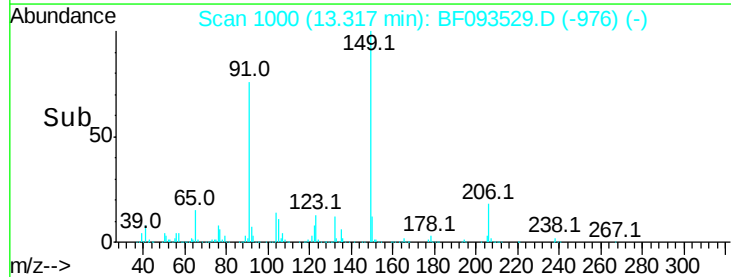
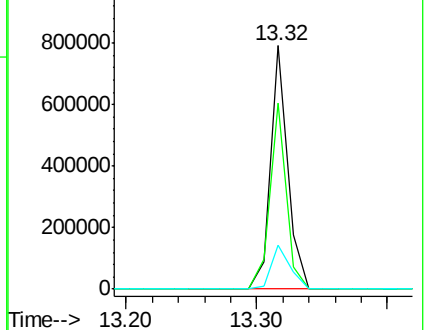
206 18.0 14.6 21.8

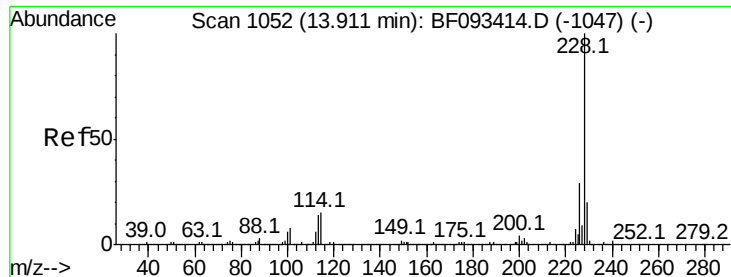


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E

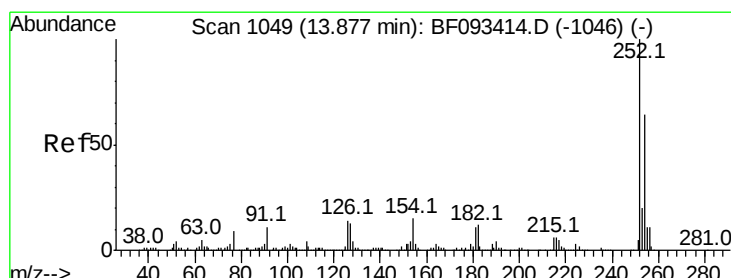
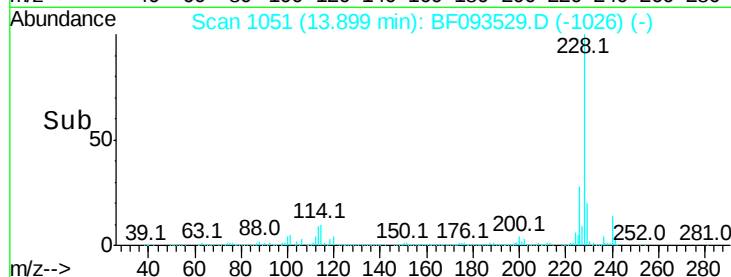
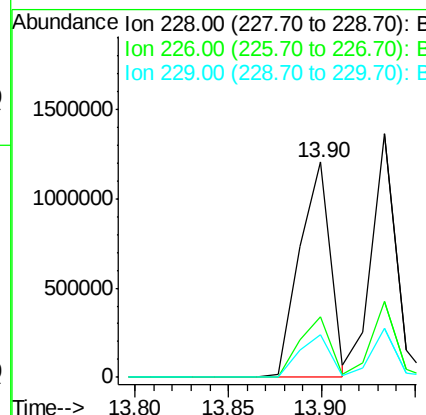
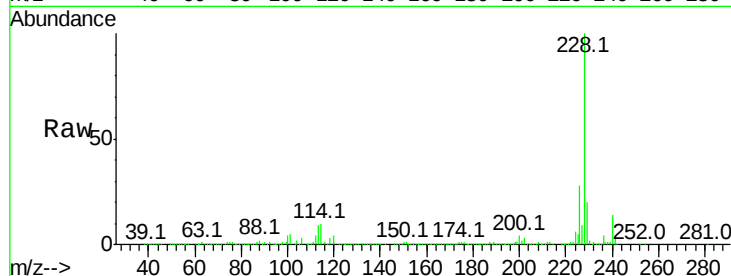




#80
Benzo(a)anthracene
Concen: 44.45 ng
RT: 13.90 min Scan# 1051
Delta R.T. -0.01 min
Lab File: BF093529.D
Acq: 10 Mar 2017 18:33

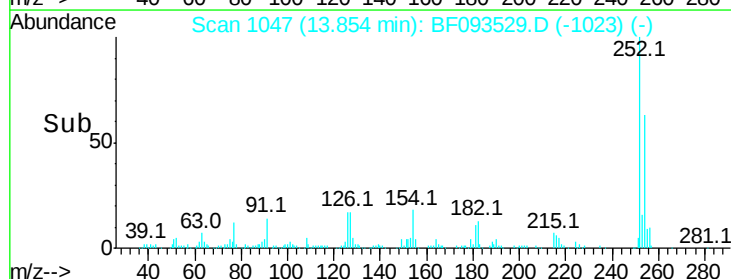
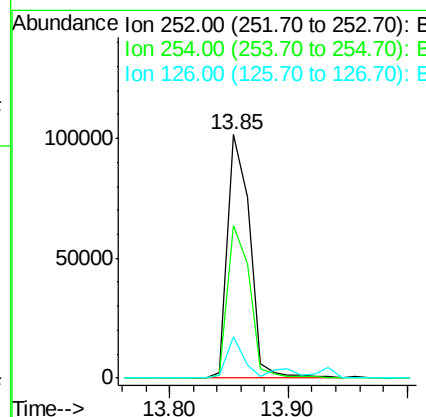
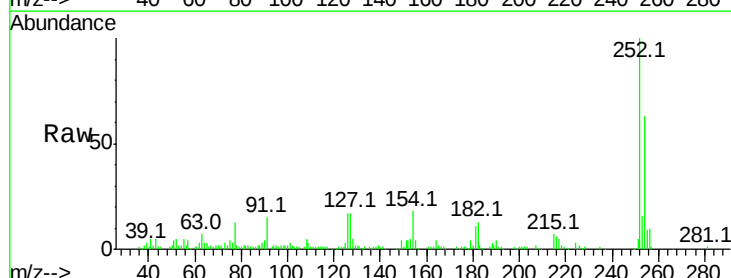
Instrument :
BNA_F
ClientSampleId :
D-38MSD

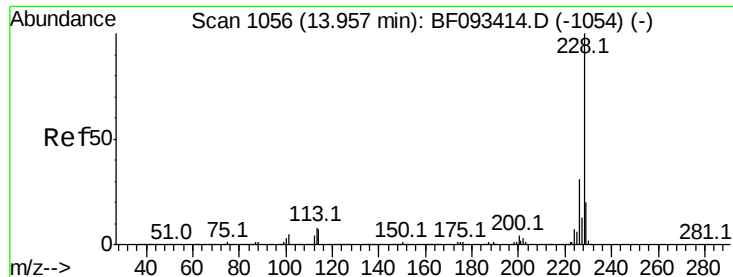
Tot Ion:228 Resp: 1389747
Ion Ratio Lower Upper
228 100
226 28.1 22.4 33.6
229 19.6 16.2 24.4



#81
3,3'-Dichlorobenzidine
Concen: 11.98 ng
RT: 13.85 min Scan# 1047
Delta R.T. -0.02 min
Lab File: BF093529.D
Acq: 10 Mar 2017 18:33

Tgt Ion:252 Resp: 131242
Ion Ratio Lower Upper
252 100
254 62.9 52.3 78.5
126 17.2 13.6 20.4

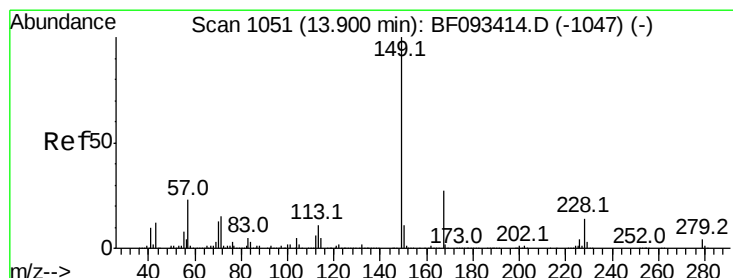
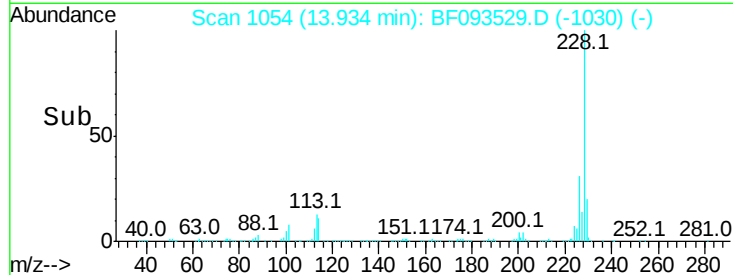
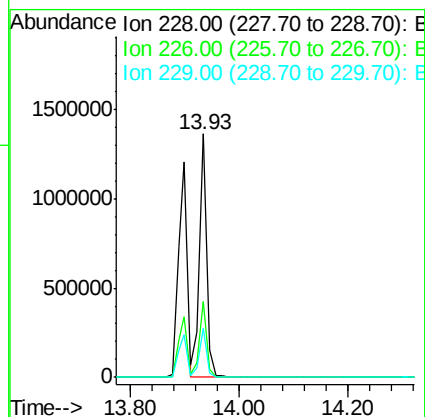
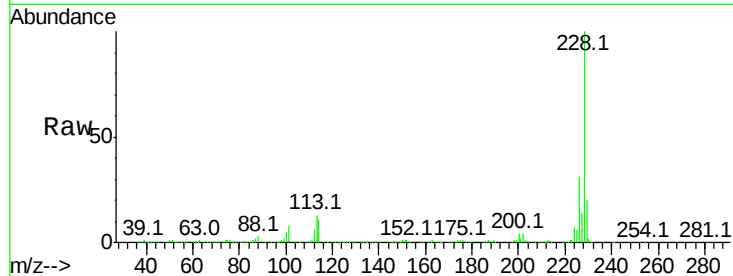




#82
Chrysene
Concen: 42.87 ng
RT: 13.93 min Scan# 1054
Delta R.T. -0.02 min
Lab File: BF093529.D
Acq: 10 Mar 2017 18:33

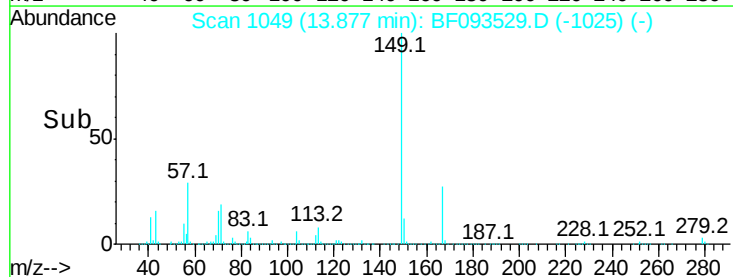
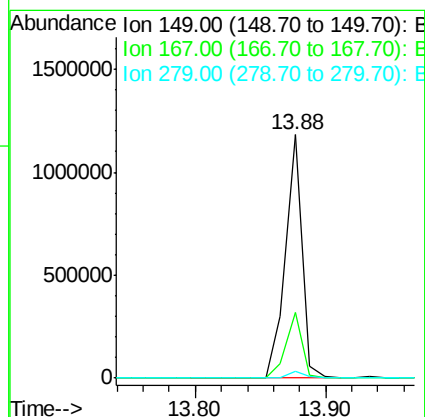
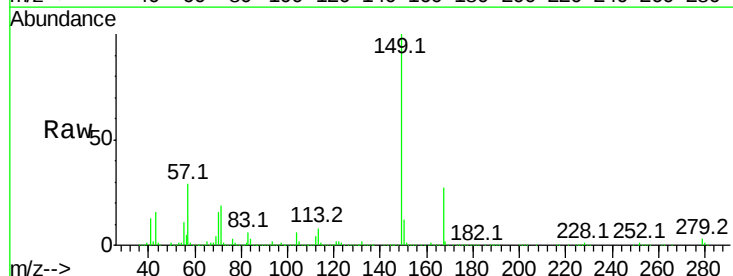
Instrument :
BNA_F
ClientSampleId :
D-38MSD

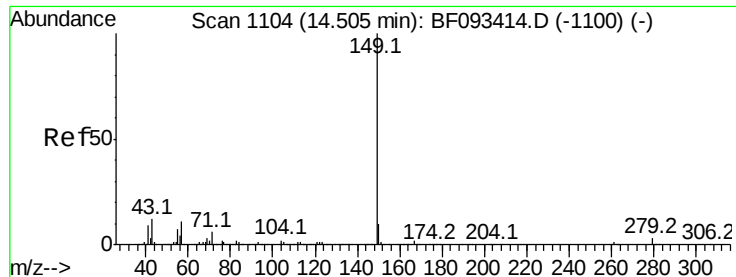
Tot Ion:228 Resp: 1240166
Ion Ratio Lower Upper
228 100
226 31.1 25.4 38.0
229 19.9 16.2 24.2



#83
Bis(2-ethylhexyl)phthalate
Concen: 47.19 ng
RT: 13.88 min Scan# 1049
Delta R.T. -0.02 min
Lab File: BF093529.D
Acq: 10 Mar 2017 18:33

Tgt Ion:149 Resp: 1066134
Ion Ratio Lower Upper
149 100
167 26.9 20.2 30.4
279 3.0 1.8 2.8#

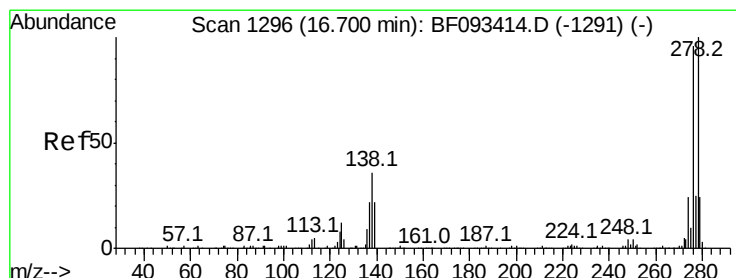
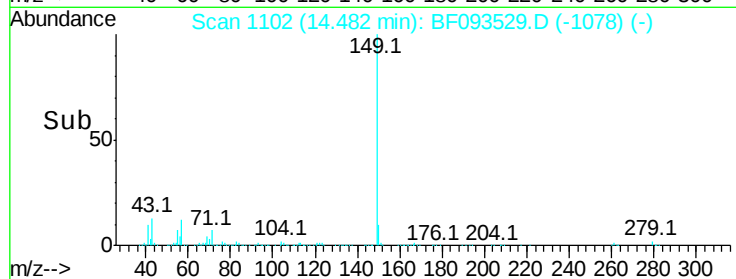
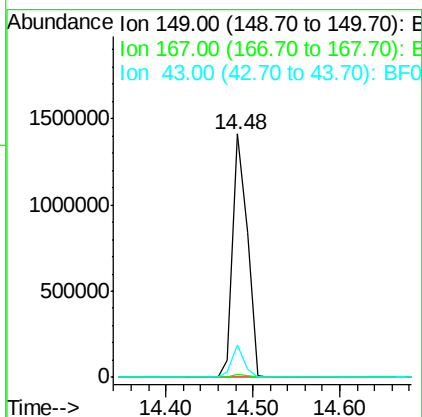
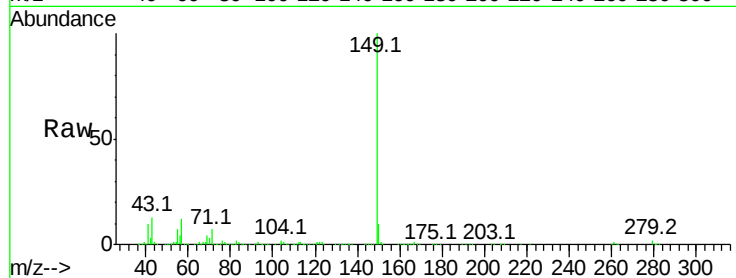




#84
Di-n-octyl phthalate
Concen: 43.25 ng
RT: 14.48 min Scan# 1102
Delta R.T. -0.02 min
Lab File: BF093529.D
Acq: 10 Mar 2017 18:33

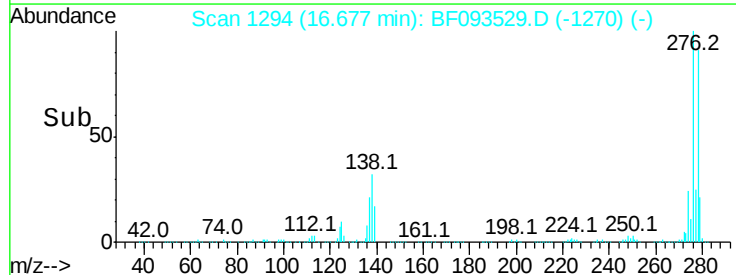
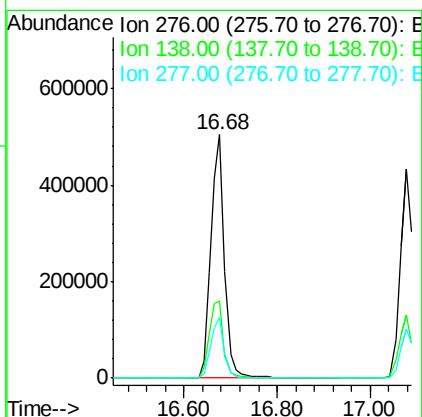
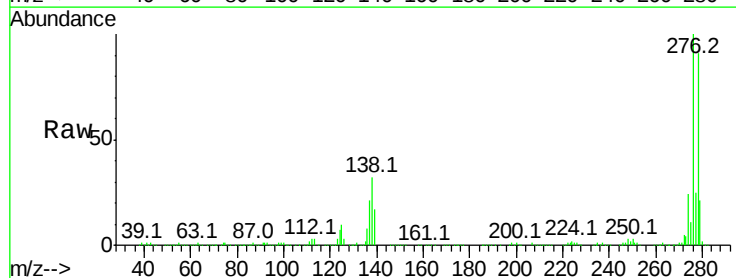
Instrument :
BNA_F
ClientSampleId :
D-38MSD

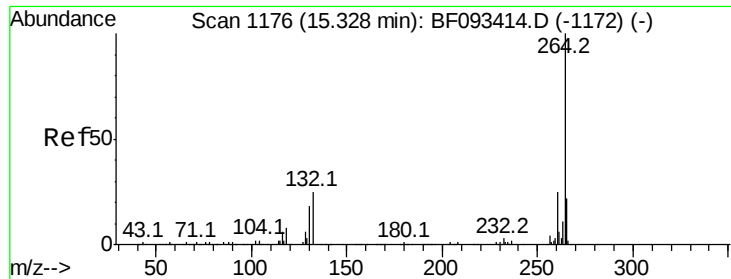
Tot Ion:149 Resp: 1628544
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 10.7 8.9 13.3



#85
Indeno(1,2,3-cd)pyrene
Concen: 42.65 ng
RT: 16.68 min Scan# 1294
Delta R.T. -0.02 min
Lab File: BF093529.D
Acq: 10 Mar 2017 18:33

Tgt Ion:276 Resp: 1032633
Ion Ratio Lower Upper
276 100
138 33.8 21.8 32.6#
277 24.7 20.2 30.4

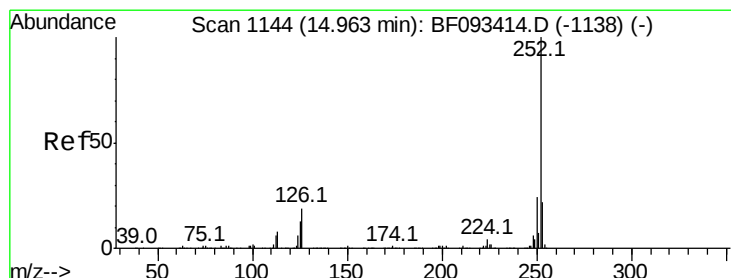
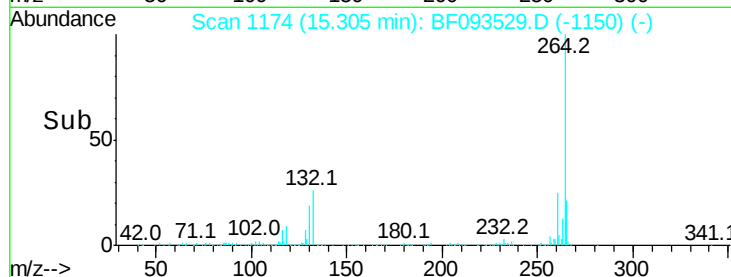
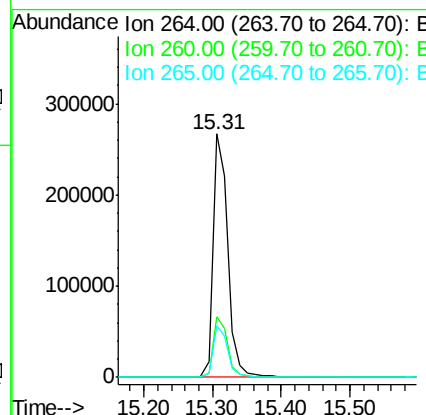
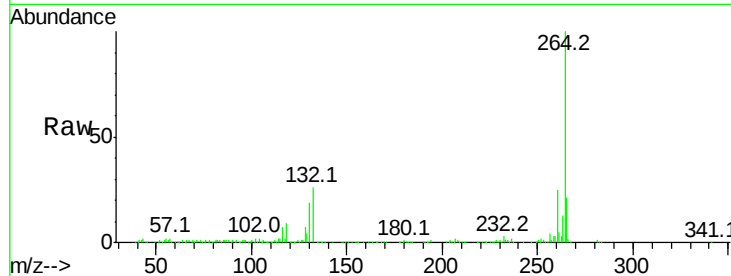




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.31 min Scan# 1174
Delta R.T. -0.02 min
Lab File: BF093529.D
Acq: 10 Mar 2017 18:33

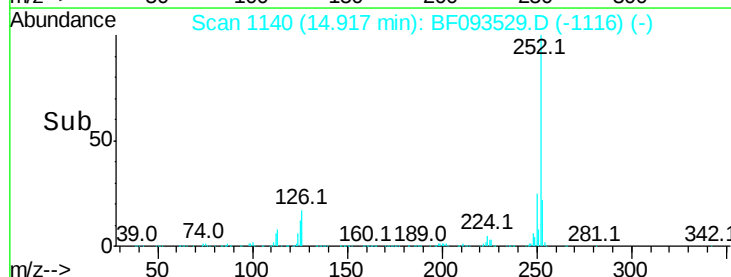
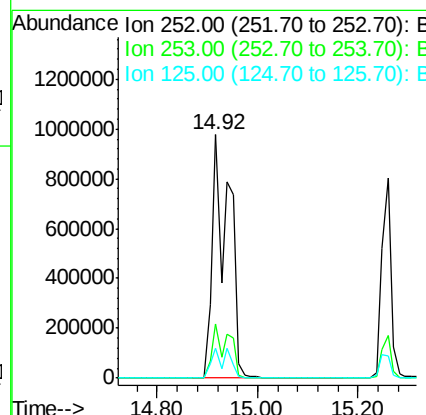
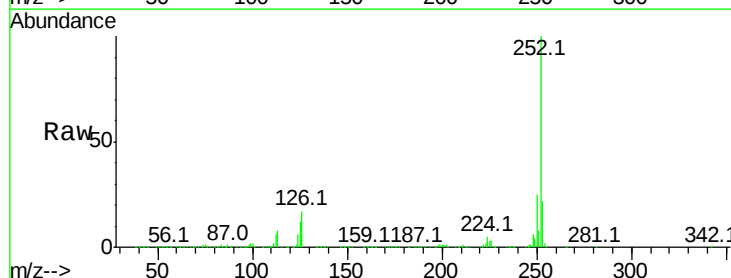
Instrument :
BNA_F
ClientSampleId :
D-38MSD

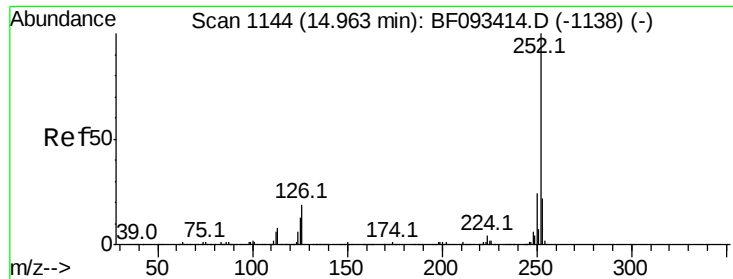
Tot Ion:264 Resp: 399714
Ion Ratio Lower Upper
264 100
260 24.7 19.2 28.8
265 21.1 17.4 26.0



#87
Benzo(b)fluoranthene
Concen: 92.60 ng
RT: 14.92 min Scan# 1140
Delta R.T. -0.02 min
Lab File: BF093529.D
Acq: 10 Mar 2017 18:33

Tgt Ion:252 Resp: 2254144
Ion Ratio Lower Upper
252 100
253 22.3 18.2 27.4
125 12.3 9.8 14.6

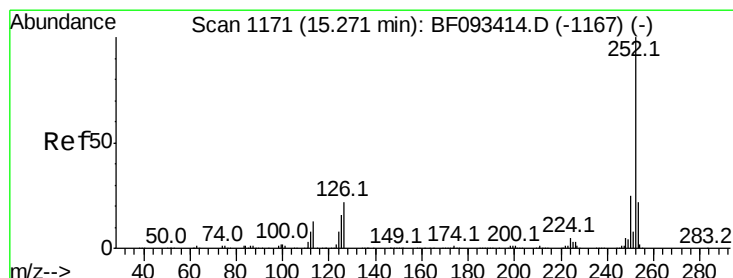
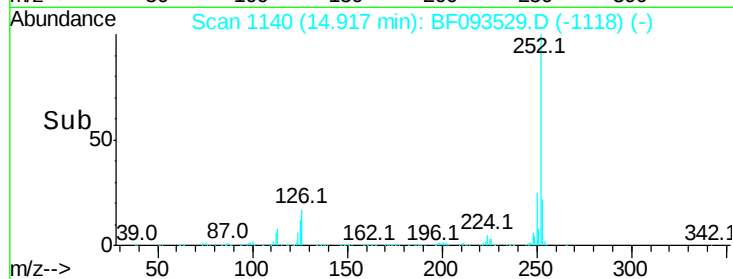
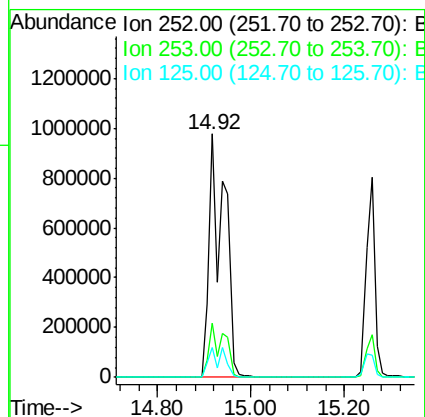
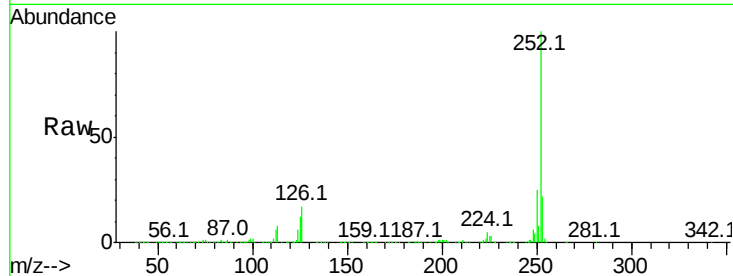




#88
Benzo(k)fluoranthene
Concen: 96.05 ng
RT: 14.92 min Scan# 1140
Delta R.T. -0.05 min
Lab File: BF093529.D
Acq: 10 Mar 2017 18:33

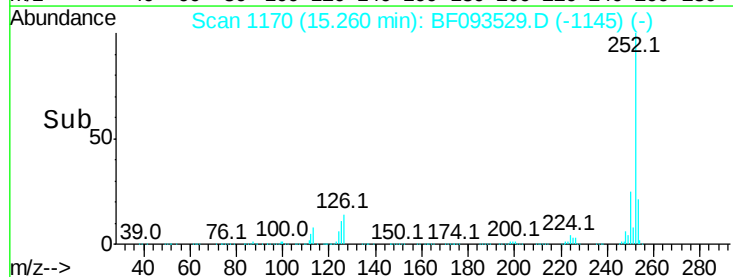
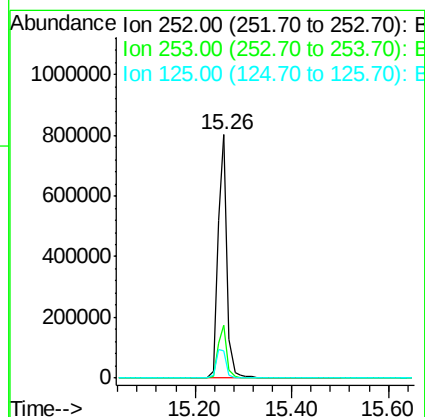
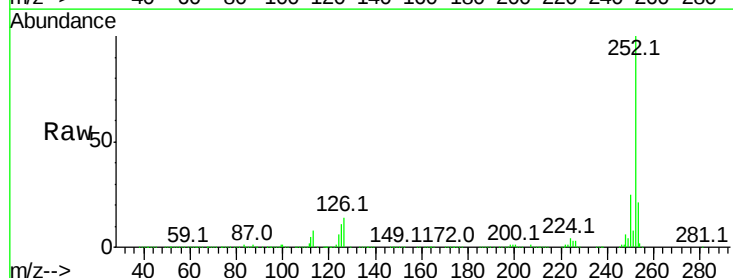
Instrument :
BNA_F
ClientSampleId :
D-38MSD

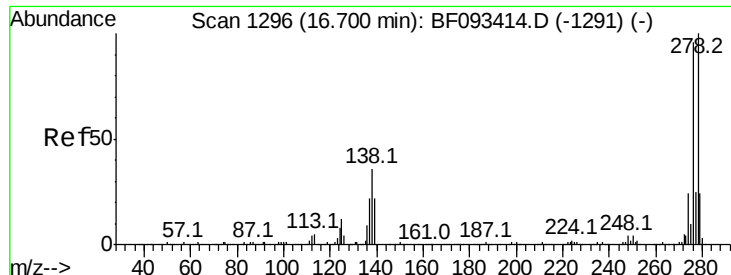
Tot Ion:252 Resp: 2254922
Ion Ratio Lower Upper
252 100
253 22.3 18.5 27.7
125 12.3 8.9 13.3



#89
Benzo(a)pyrene
Concen: 46.94 ng
RT: 15.26 min Scan# 1170
Delta R.T. -0.01 min
Lab File: BF093529.D
Acq: 10 Mar 2017 18:33

Tgt Ion:252 Resp: 1044231
Ion Ratio Lower Upper
252 100
253 21.5 18.2 27.2
125 11.1 10.0 15.0

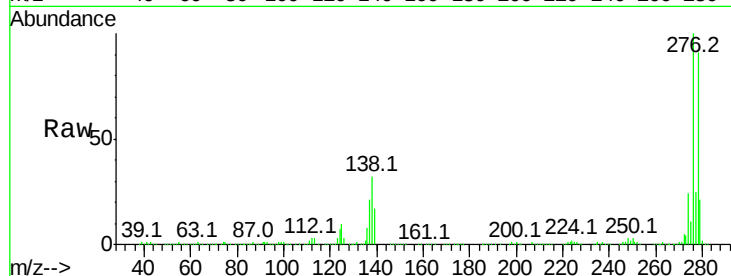




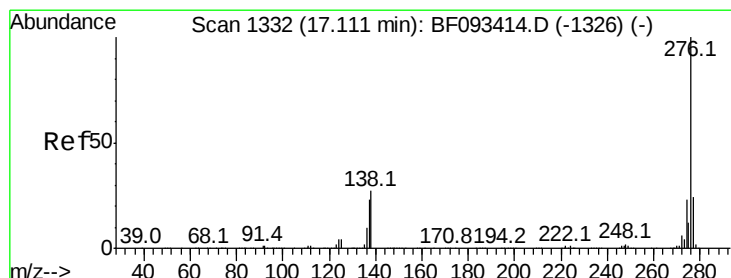
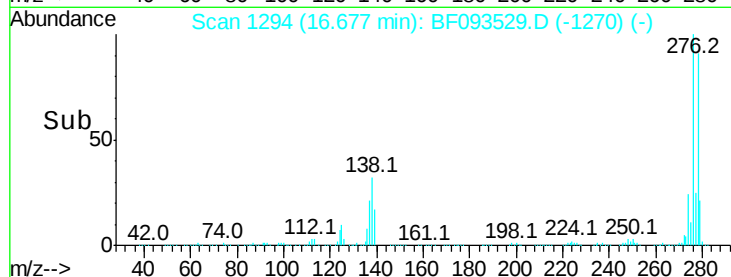
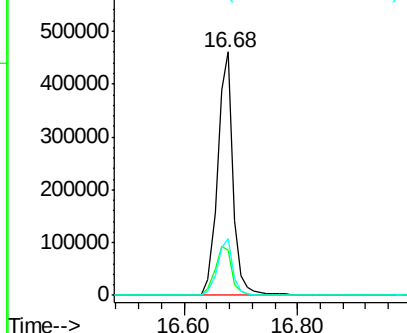
#90
Dibenzo(a,h)anthracene
Concen: 47.17 ng
RT: 16.68 min Scan# 1294
Delta R.T. -0.02 min
Lab File: BF093529.D
Acq: 10 Mar 2017 18:33

Instrument :
BNA_F
ClientSampleId :
D-38MSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	18.7	14.8	22.2
279	23.1	19.8	29.6

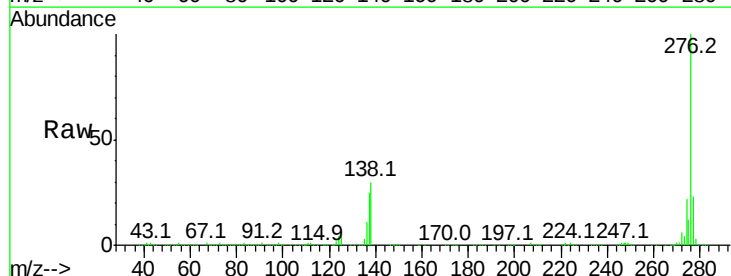


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91
Benzo(g,h,i)perylene
Concen: 48.16 ng
RT: 17.08 min Scan# 1329
Delta R.T. -0.03 min
Lab File: BF093529.D
Acq: 10 Mar 2017 18:33

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.3	19.2	28.8
138	30.5	16.0	24.0



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

