

Data Path : Z:\HPCHEM1\BNA F\Data\BF031117\
 Data File : BF093584.D
 Acq On : 11 Mar 2017 23:00
 Operator : SJ/MA
 Sample : I2106-01MSD
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB419AMSD

Quant Time: Mar 13 17:37:45 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 13 15:05:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	150072	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	277358	20.00	ng	0.01
38) Acenaphthene-d10	9.81	164	118864	20.00	ng	0.05
63) Phenanthrene-d10	11.29	188	212896	20.00	ng	0.05
75) Chrysene-d12	13.89	240	319811	20.00	ng	0.00
86) Perylene-d12	15.29	264	286884	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	1518563	168.41	ng	0.01
7) Phenol-d6	6.40	99	1625377	142.94	ng	0.02
23) Nitrobenzene-d5	7.30	82	989632	197.97	ng	0.00
41) 2,4,6-Tribromophenol	10.61	330	123644	159.66	ng	0.06
44) 2-Fluorobiphenyl	9.12	172	756664	118.41	ng	0.03
78) Terphenyl-d14	12.84	244	834689	67.86	ng	0.01

Target Compounds						Qvalue
2) 1,4-Dioxane	2.23	88	213397	42.97	ng	# 84
3) Pyridine	2.93	79	383664	30.30	ng	87
4) n-Nitrosodimethylamine	2.87	42	326254	53.94	ng	83
6) Aniline	6.41	93	97776	6.27	ng	# 1
8) 2-Chlorophenol	6.52	128	454257	44.96	ng	92
9) Benzaldehyde	6.28	77	88701	9.45	ng	90
10) Phenol	6.41	94	706626	50.71	ng	# 70
11) bis(2-Chloroethyl)ether	6.47	93	545072	48.40	ng	96
12) 1,3-Dichlorobenzene	6.66	146	486848	42.10	ng	96
13) 1,4-Dichlorobenzene	6.74	146	506357	42.77	ng	98
14) 1,2-Dichlorobenzene	6.74	146	506357	48.30	ng	99
15) Benzyl Alcohol	6.89	79	335614	41.41	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.02	45	679765	36.34	ng	# 36
17) 2-Methylphenol	7.02	107	343422	40.19	ng	# 88
18) Hexachloroethane	7.24	117	145269	36.38	ng	93
19) n-Nitroso-di-n-propylamine	7.16	70	379955	48.60	ng	# 92
20) 3+4-Methylphenols	7.18	107	465659	42.02	ng	# 75
22) Acetophenone	7.16	105	574950	86.14	ng	# 88
24) Nitrobenzene	7.43	77	231938	41.28	ng	91
25) Isophorone	7.57	82	946955	93.94	ng	# 78
26) 2-Nitrophenol	7.65	139	209343	81.67	ng	# 44
27) 2,4-Dimethylphenol	7.70	122	352501	84.54	ng	95
28) bis(2-Chloroethoxy)methane	7.77	93	464799	73.04	ng	# 41
29) 2,4-Dichlorophenol	7.91	162	527907	134.57	ng	# 84
30) 1,2,4-Trichlorobenzene	7.97	180	288924	69.26	ng	# 95
31) Naphthalene	8.05	128	1138159	81.89	ng	# 83
32) Benzoic acid	7.83	122	113153	52.22	ng	# 54
33) 4-Chloroaniline	8.13	127	56250	9.97	ng	# 11
34) Hexachlorobutadiene	8.16	225	158085	73.57	ng	99
35) Caprolactam	8.48	113	353048	263.52	ng	# 1
36) 4-Chloro-3-methylphenol	8.62	107	233431	55.75	ng	91
37) 2-Methylnaphthalene	8.76	142	494992	55.97	ng	# 86
39) 1,2,4,5-Tetrachlorobenzene	8.94	216	174501	53.76	ng	# 87
40) Hexachlorocyclopentadiene	8.90	237	16809	29.51	ng	94

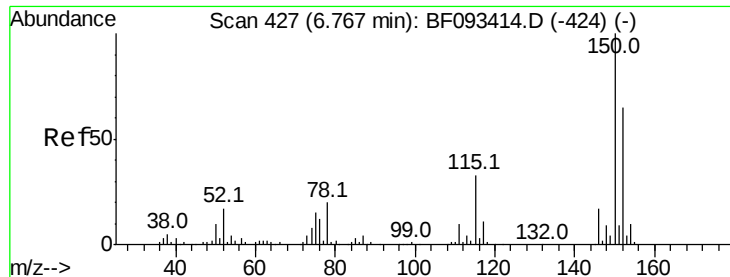
Data Path : Z:\HPCHEM1\BNA F\Data\BF031117\
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.04	196	109680	54.09	nq	86
43) 2,4,5-Trichlorophenol	9.10	196	87699	40.30	nq #	1
45) 1,1'-Biphenyl	9.22	154	435143	50.25	nq	96
46) 2-Chloronaphthalene	9.25	162	376556	56.81	nq #	82
47) 2-Nitroaniline	9.35	65	104709	44.69	nq #	71
48) Acenaphthylene	9.67	152	449404	41.11	nq #	63
49) Dimethylphthalate	9.52	163	220417	27.97	nq #	72
50) 2,6-Dinitrotoluene	9.61	165	99325	57.44	nq #	28
51) Acenaphthene	9.84	154	426903	66.04	nq #	81
52) 3-Nitroaniline	9.76	138	93386	44.95	nq #	65
53) 2,4-Dinitrophenol	9.86	184	2236	2.84	nq #	1
54) Dibenzofuran	10.02	168	483246	59.73	nq #	30
55) 4-Nitrophenol	10.02	139	377399	374.03	nq #	48
56) 2,4-Dinitrotoluene	10.05	165	133419	62.81	nq #	77
57) Fluorene	10.37	166	584256	85.22	nq #	80
58) 2,3,4,6-Tetrachlorophenol	10.16	232	43116	28.08	nq #	1
59) Diethylphthalate	10.23	149	271244	36.02	nq #	86
60) 4-Chlorophenyl-phenylether	10.36	204	127199	41.39	nq #	47
61) 4-Nitroaniline	10.28	138	31581	14.86	nq	91
62) Azobenzene	10.52	77	288087	33.66	nq #	29
64) 4,6-Dinitro-2-methylphenol	10.46	198	7941	5.76	nq #	1
65) n-Nitrosodiphenylamine	10.41	169	478310	67.28	nq	95
66) 4-Bromophenyl-phenylether	10.84	248	96379	42.81	nq #	56
67) Hexachlorobenzene	10.95	284	66577	30.97	nq #	65
68) Atrazine	11.00	200	124022	59.61	nq	85
69) Pentachlorophenol	11.12	266	64540	86.96	nq	97
70) Phenanthrene	11.32	178	1647496	135.57	nq #	95
71) Anthracene	11.37	178	588472	47.87	nq #	81
72) Carbazole	11.52	167	406395	35.19	nq #	79
73) Di-n-butylphthalate	11.83	149	679721	50.88	nq	98
74) Fluoranthene	12.48	202	846034	72.08	nq	98
76) Benzydine	12.61	184	71562	6.80	nq #	54
77) Pyrene	12.71	202	1156225	49.71	nq	98
79) Butylbenzylphthalate	13.31	149	435380	44.47	nq	88
80) Benzo(a)anthracene	13.88	228	841030	44.53	nq	99
81) 3,3'-Dichlorobenzidine	13.84	252	146725	22.18	nq #	97
82) Chrysene	13.91	228	719955	41.20	nq	99
83) Bis(2-ethylhexyl)phthalate	13.85	149	611742	44.83	nq	99
84) Di-n-octyl phthalate	14.47	149	1057699	46.50	nq #	91
85) Indeno(1,2,3-cd)pyrene	16.64	276	680887	46.55	nq	95
87) Benzo(b)fluoranthene	14.89	252	1535806	87.90	nq #	96
88) Benzo(k)fluoranthene	14.89	252	1535806	91.15	nq #	95
89) Benzo(a)pyrene	15.24	252	754180	47.23	nq	98
90) Dibenzo(a,h)anthracene	16.64	278	572262	43.32	nq	98
91) Benzo(g,h,i)perylene	17.04	276	576075	42.49	nq #	90

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.72 min Scan# 423

Delta R.T. -0.00 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

Instrument :

BNA_F

ClientSampleId :

HY-SB419AMSD

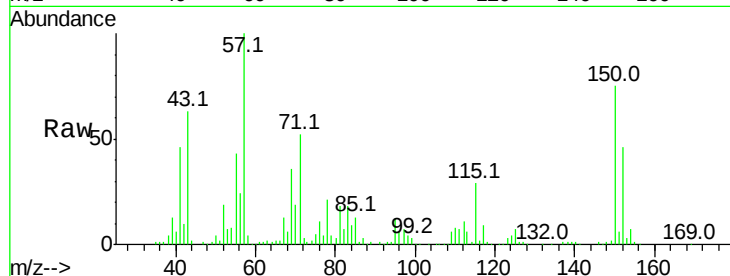
Tot Ion:152 Resp: 150072

Ion Ratio Lower Upper

152 100

150 163.0 124.9 187.3

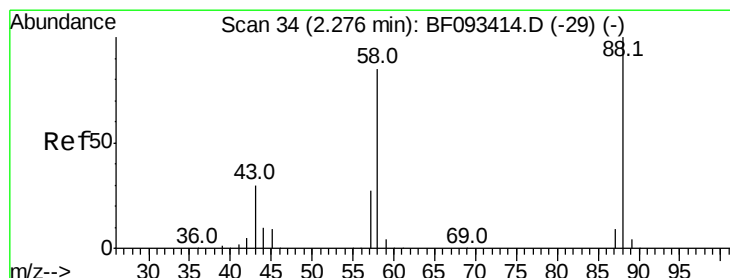
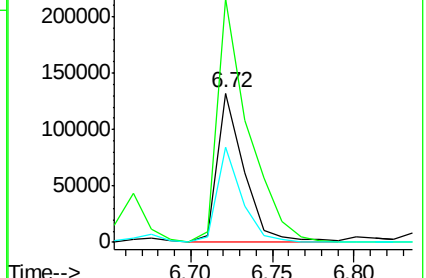
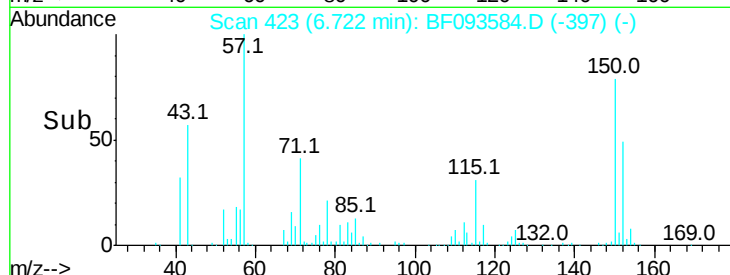
115 63.4 46.0 69.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 42.97 ng

RT: 2.23 min Scan# 30

Delta R.T. 0.05 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

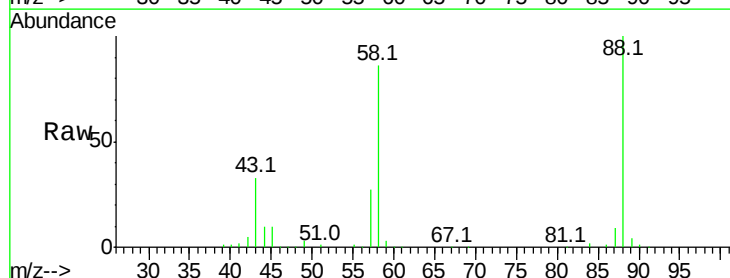
Tgt Ion: 88 Resp: 213397

Ion Ratio Lower Upper

88 100

58 87.8 57.8 86.8#

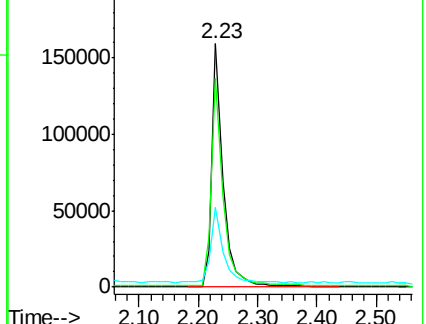
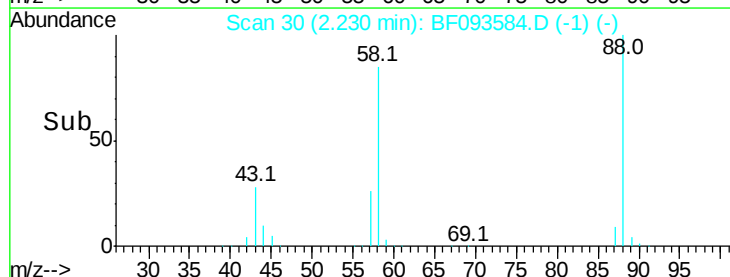
43 32.3 22.3 33.5

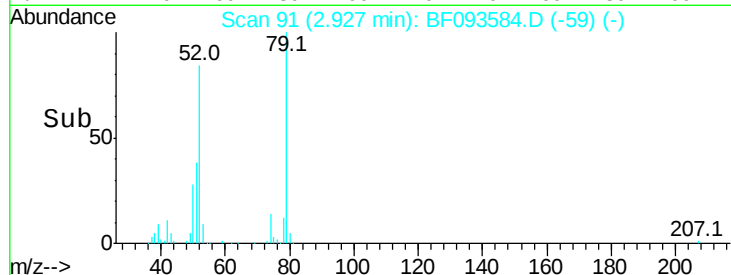
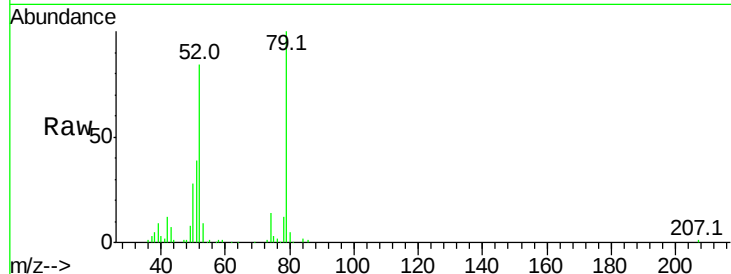
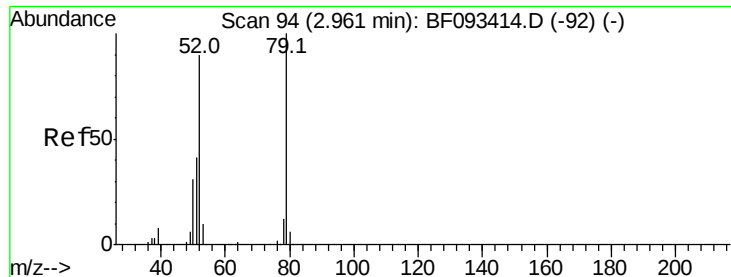


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0

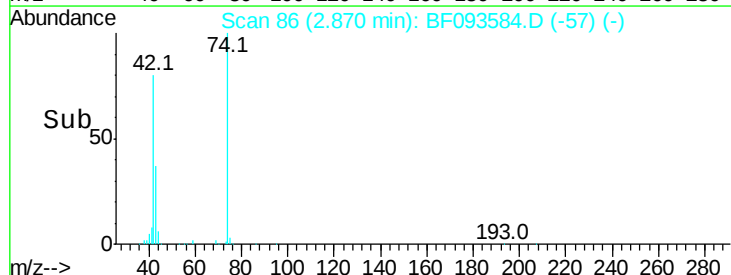
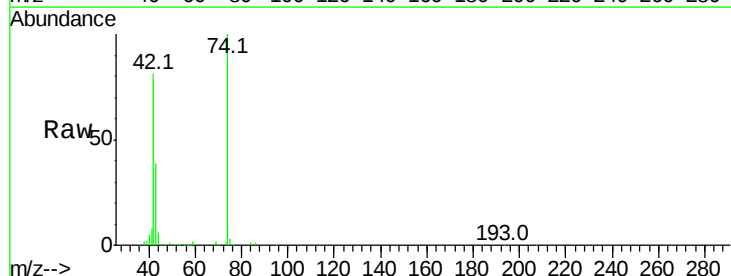
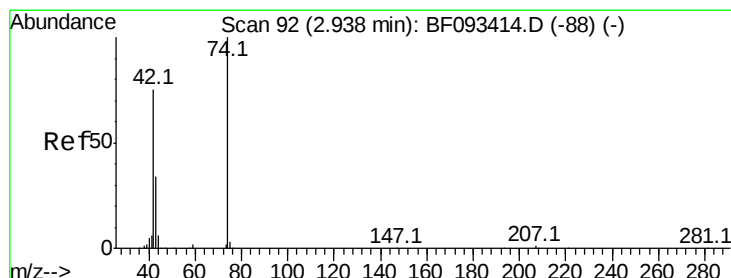
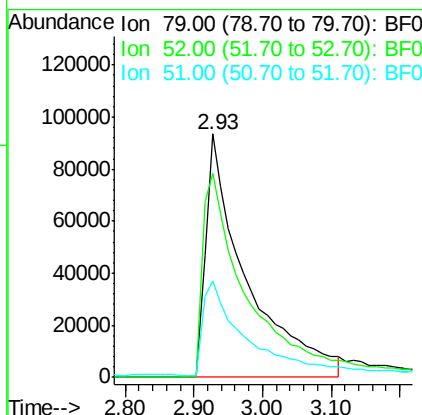




#3
 Pvridine
 Concen: 30.30 ng
 RT: 2.93 min Scan# 91
 Delta R.T. 0.07 min
 Lab File: BF093584.D
 Acq: 11 Mar 2017 23:00

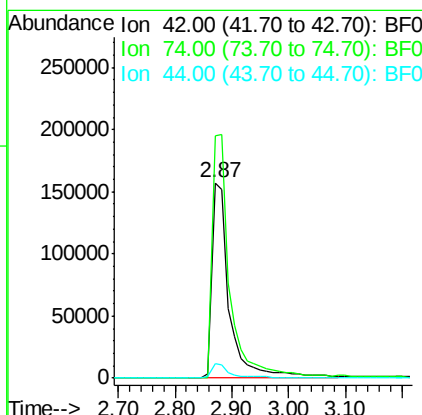
Instrument :
 BNA_F
 ClientSampleId :
 HY-SB419AMSD

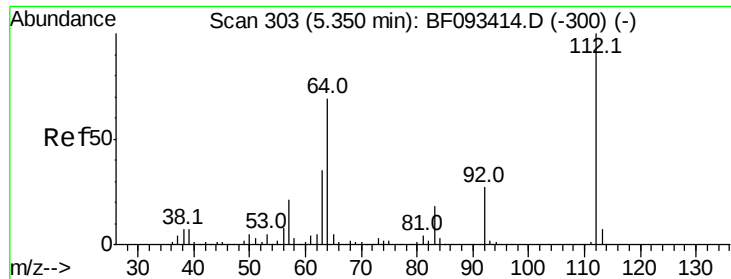
Tot Ion: 79 Resp: 383664
 Ion Ratio Lower Upper
 79 100
 52 83.6 57.1 85.7
 51 39.5 27.3 40.9



#4
 n-Nitrosodimethylamine
 Concen: 53.94 ng
 RT: 2.87 min Scan# 86
 Delta R.T. 0.03 min
 Lab File: BF093584.D
 Acq: 11 Mar 2017 23:00

Tgt Ion: 42 Resp: 326254
 Ion Ratio Lower Upper
 42 100
 74 124.1 117.0 175.4
 44 7.5 5.5 8.3





#5

2-Fluorophenol

Concen: 168.41 ng

RT: 5.33 min Scan# 301

Delta R.T. 0.01 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

Instrument :

BNA_F

ClientSampleId :

HY-SB419AMSD

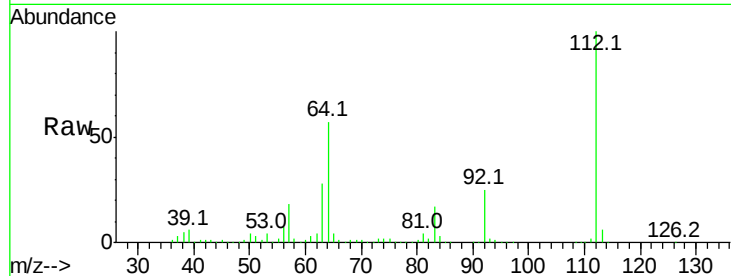
Tot Ion:112 Resp: 1518563

Ion Ratio Lower Upper

112 100

64 57.4 46.1 69.1

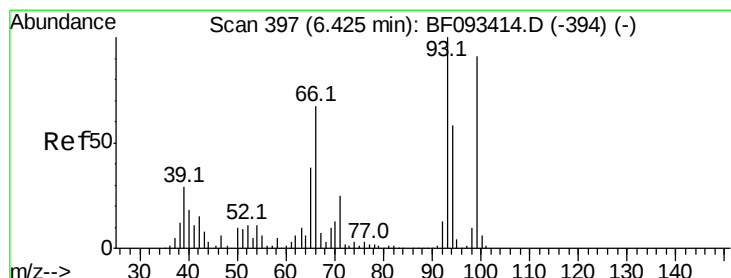
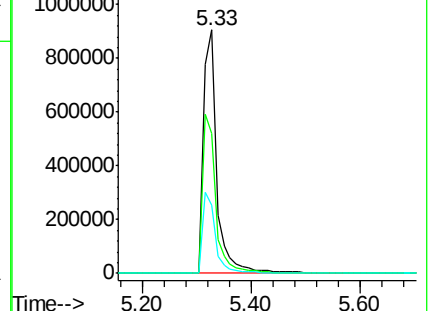
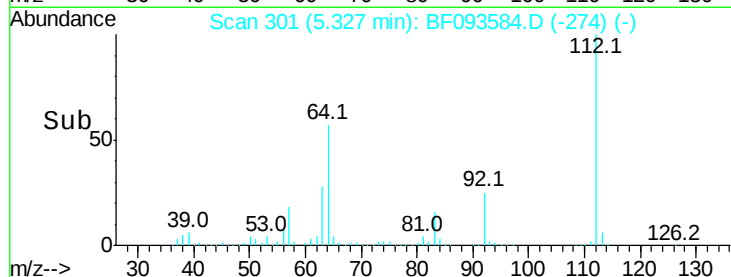
63 28.3 23.8 35.6



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 6.27 ng

RT: 6.41 min Scan# 396

Delta R.T. 0.02 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

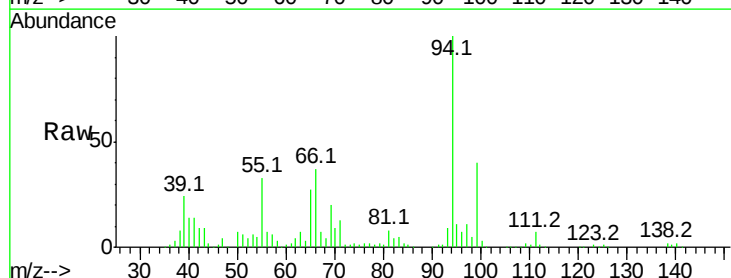
Tgt Ion: 93 Resp: 97776

Ion Ratio Lower Upper

93 100

66 405.9 76.2 114.2#

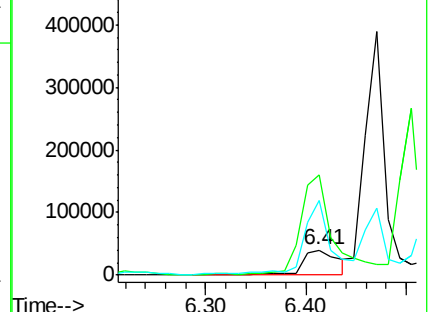
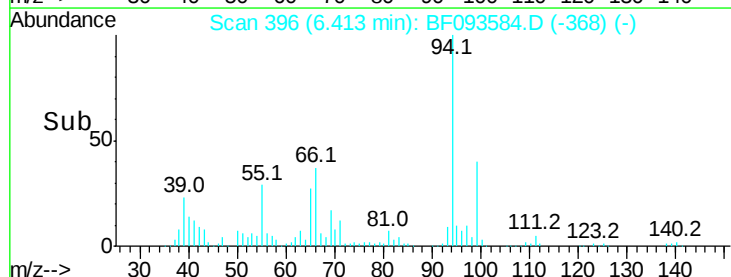
65 299.1 49.3 73.9#

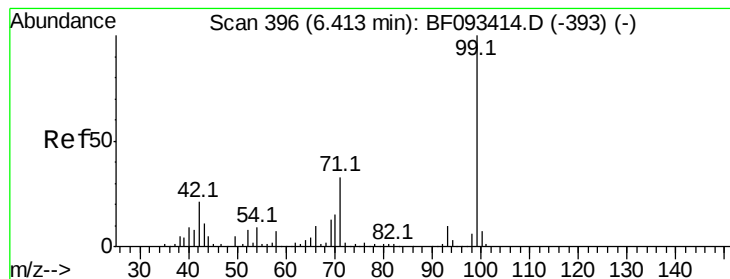


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 142.94 ng

RT: 6.40 min Scan# 395

Delta R.T. 0.02 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

Instrument :

BNA_F

ClientSampleId :

HY-SB419AMSD

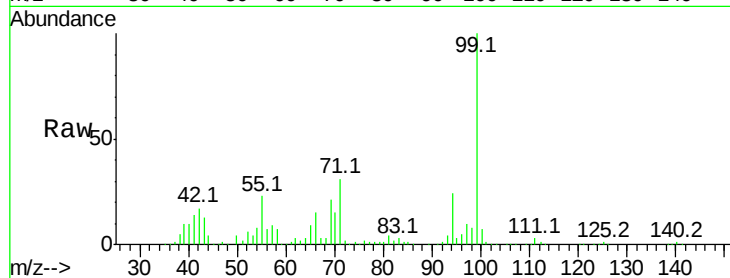
Tot Ion: 99 Resp: 1625377

Ion Ratio Lower Upper

99 100

42 17.2 15.6 23.4

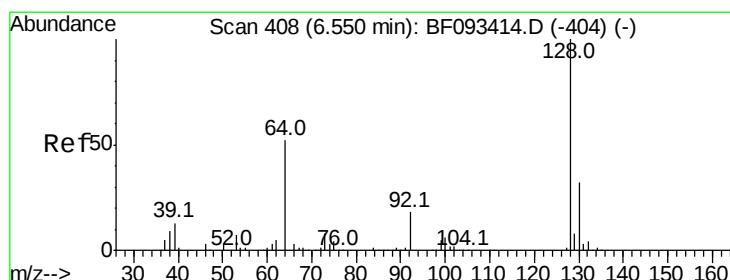
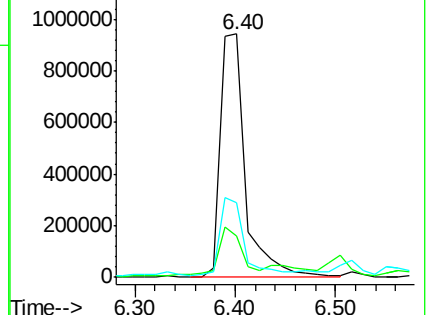
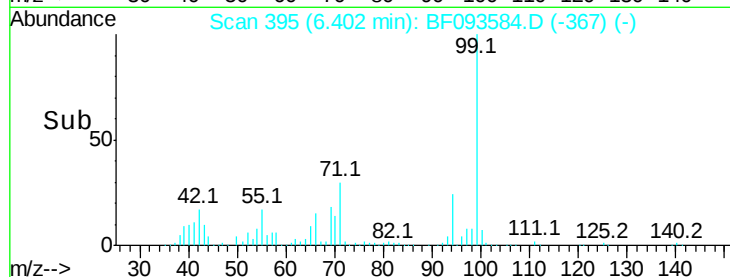
71 30.7 27.5 41.3



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: 44.96 ng

RT: 6.52 min Scan# 405

Delta R.T. 0.01 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

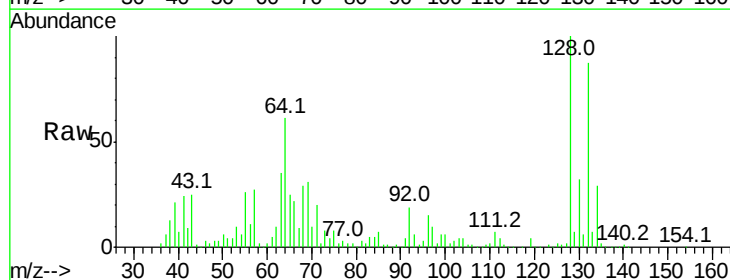
Tgt Ion:128 Resp: 454257

Ion Ratio Lower Upper

128 100

130 32.1 12.3 52.3

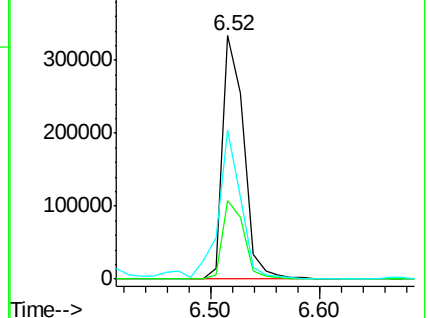
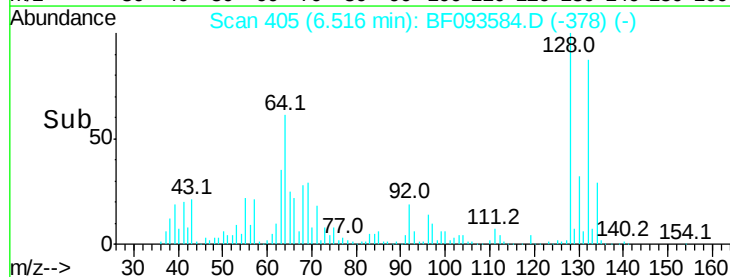
64 60.9 32.2 72.2

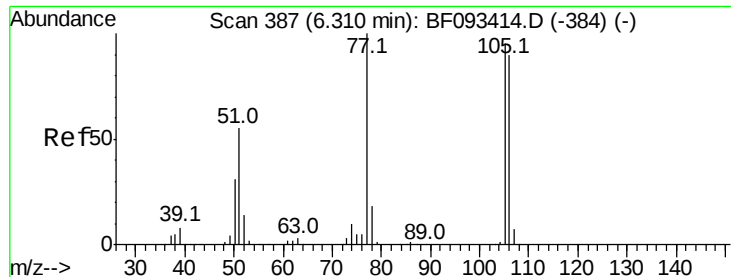


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyd

Concen: 9.45 ng

RT: 6.28 min Scan# 384

Delta R.T. -0.00 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

Instrument :

BNA_F

ClientSampleId :

HY-SB419AMSD

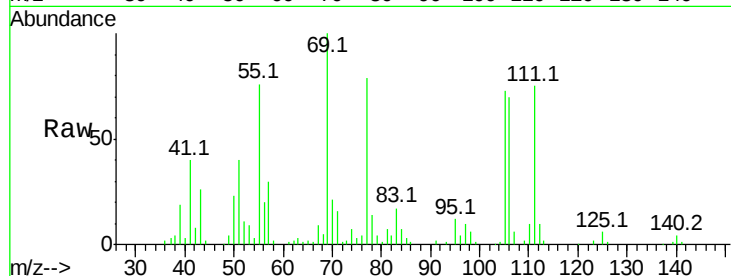
Tot Ion: 77 Resp: 88701

Ion Ratio Lower Upper

77 100

105 92.4 83.9 123.9

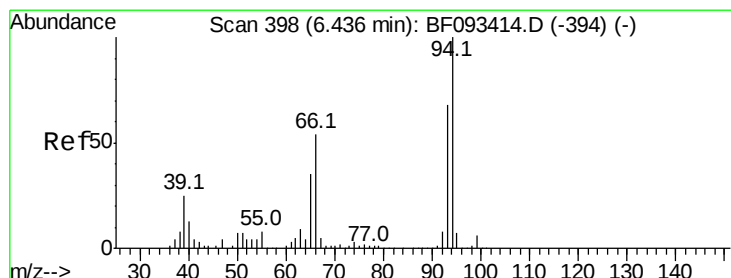
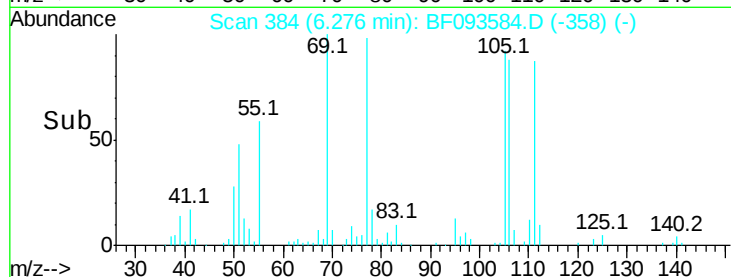
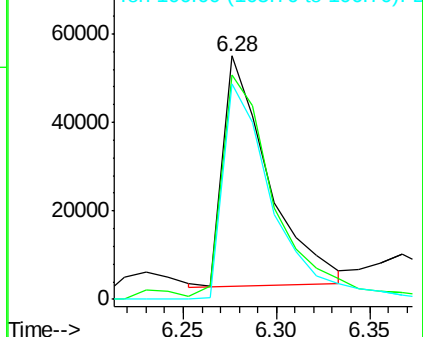
106 88.6 77.6 117.6



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 50.71 ng

RT: 6.41 min Scan# 396

Delta R.T. 0.01 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

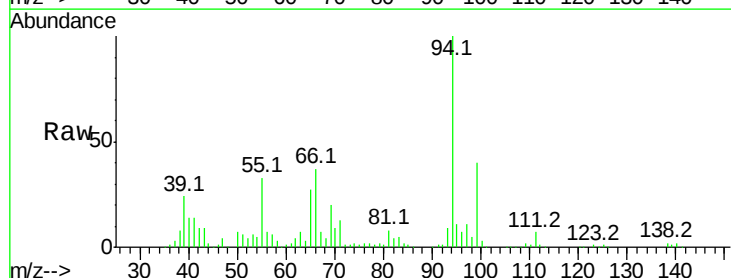
Tgt Ion: 94 Resp: 706626

Ion Ratio Lower Upper

94 100

65 27.2 21.4 61.4

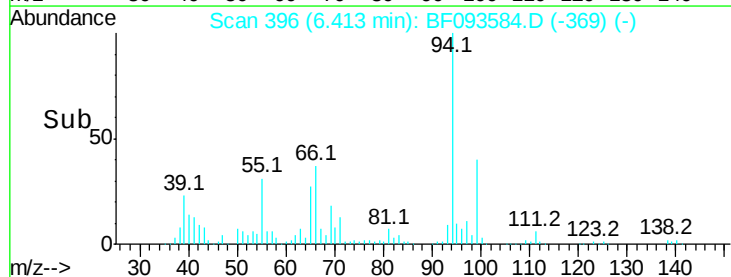
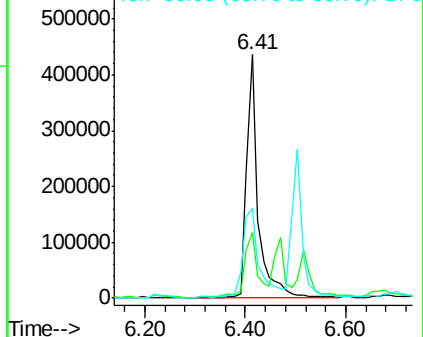
66 36.9 44.0 84.0#

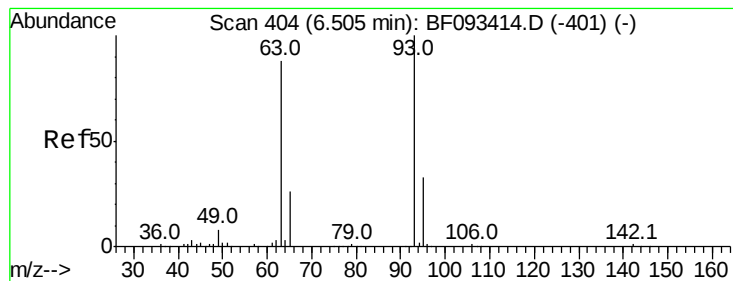


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#11

bis(2-Chloroethyl)ether

Concen: 48.40 ng

RT: 6.47 min Scan# 401

Delta R.T. 0.01 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

Instrument :

BNA_F

ClientSampleId :

HY-SB419AMSD

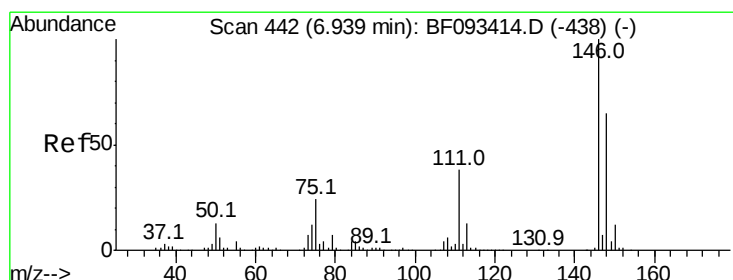
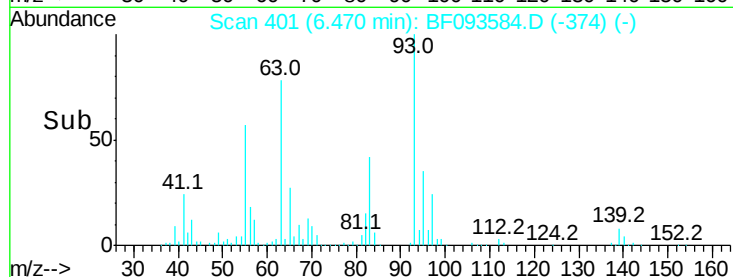
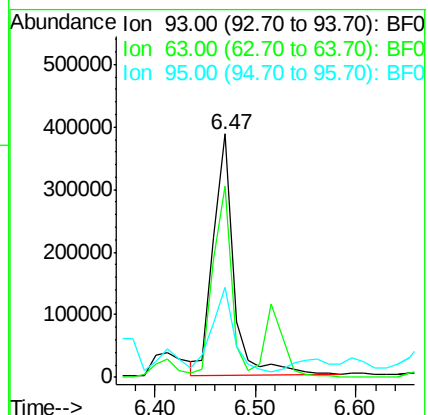
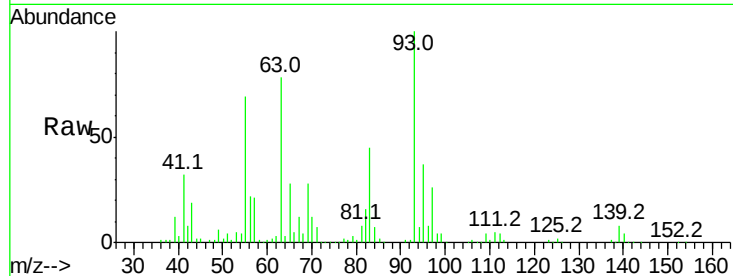
Tot Ion: 93 Resp: 545072

Ion Ratio Lower Upper

93 100

63 78.4 60.4 100.4

95 37.1 12.8 52.8



#12

1,3-Dichlorobenzene

Concen: 42.10 ng

RT: 6.66 min Scan# 418

Delta R.T. 0.01 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

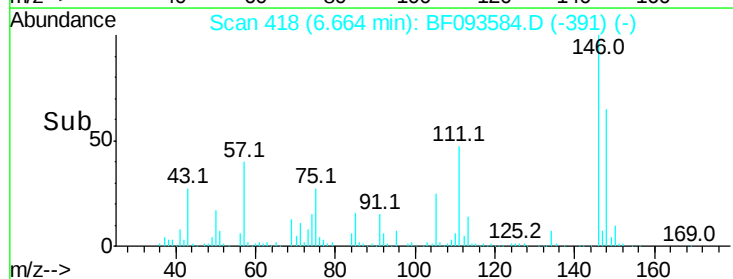
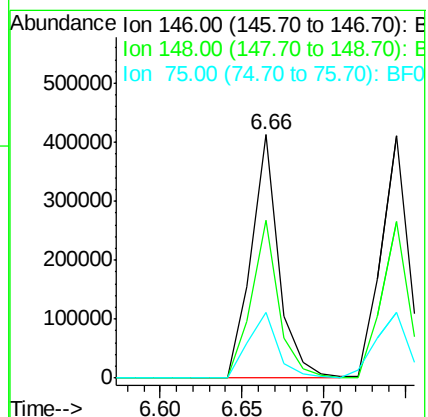
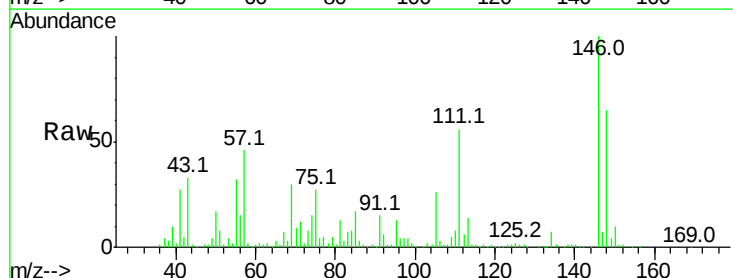
Tgt Ion: 146 Resp: 486848

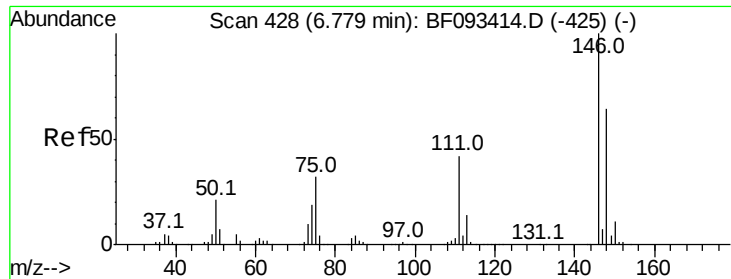
Ion Ratio Lower Upper

146 100

148 64.7 53.4 80.0

75 27.2 18.5 27.7

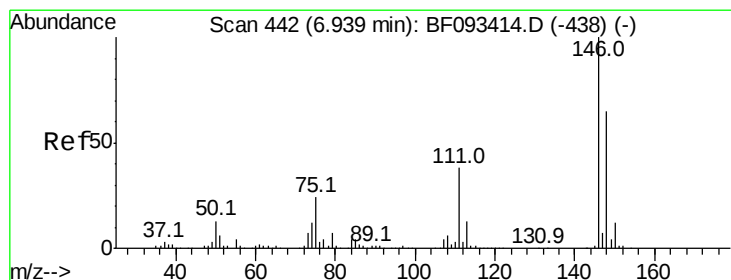
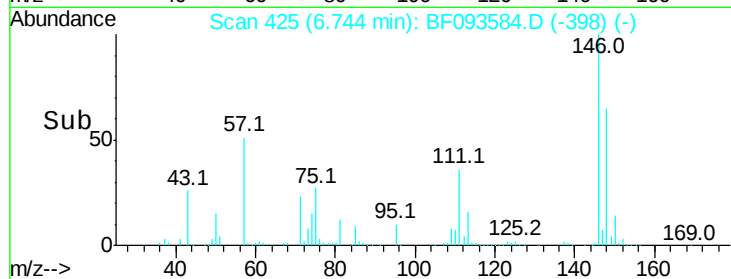
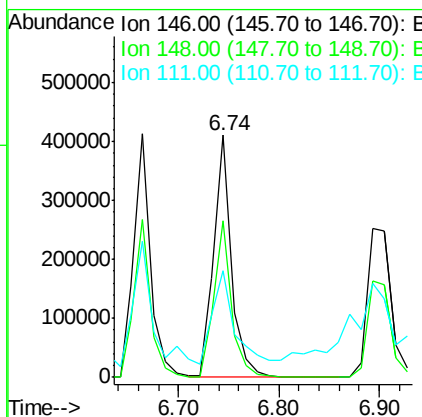
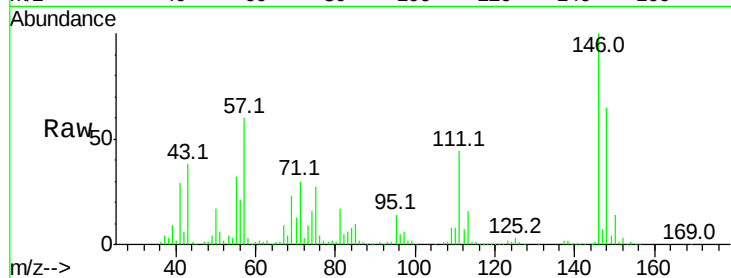




#13
 1,4-Dichlorobenzene
 Concen: 42.77 ng
 RT: 6.74 min Scan# 425
 Delta R.T. 0.01 min
 Lab File: BF093584.D
 Acq: 11 Mar 2017 23:00

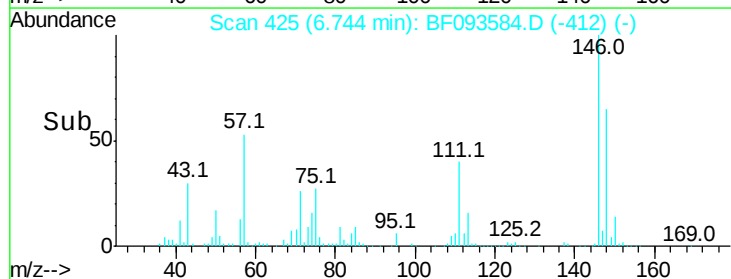
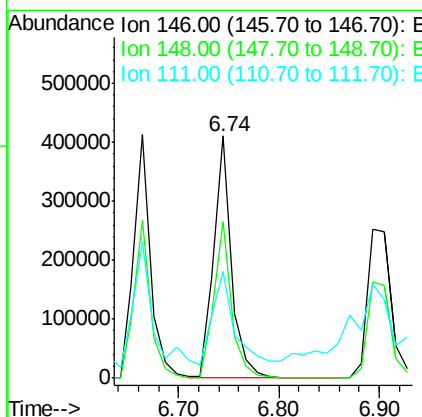
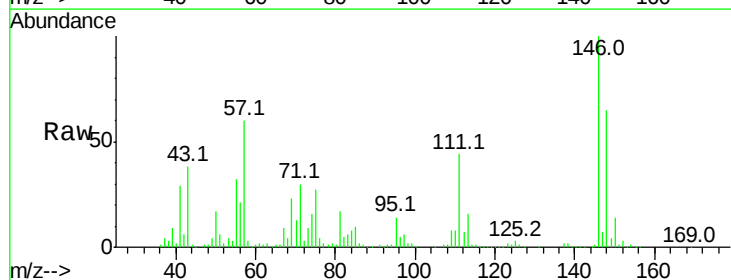
Instrument :
 BNA_F
 ClientSampleId :
 HY-SB419AMSD

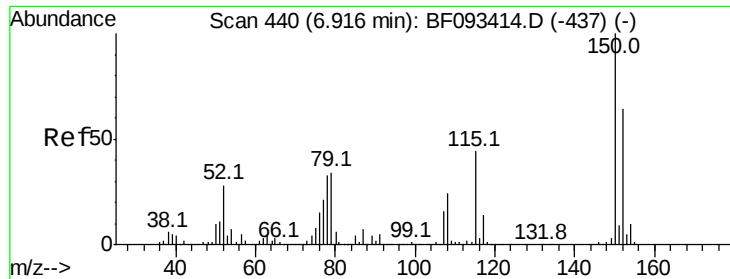
Tot Ion	Ratio	Lower	Upper
146	100		
148	64.9	50.6	76.0
111	44.2	36.2	54.4



#14
 1,2-Dichlorobenzene
 Concen: 48.30 ng
 RT: 6.74 min Scan# 425
 Delta R.T. -0.15 min
 Lab File: BF093584.D
 Acq: 11 Mar 2017 23:00

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.9	52.2	78.2
111	44.2	36.2	54.2





#15

Benzyl Alcohol

Concen: 41.41 ng

RT: 6.89 min Scan# 438

Delta R.T. 0.01 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

Instrument :

BNA_F

ClientSampleId :

HY-SB419AMSD

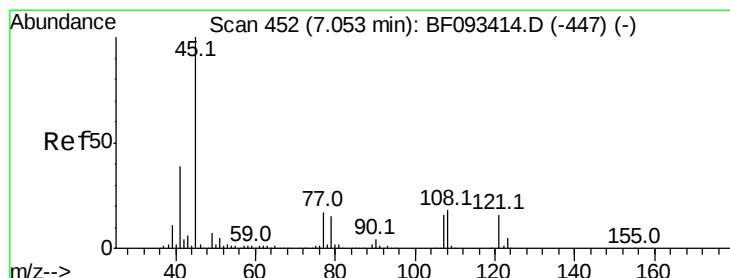
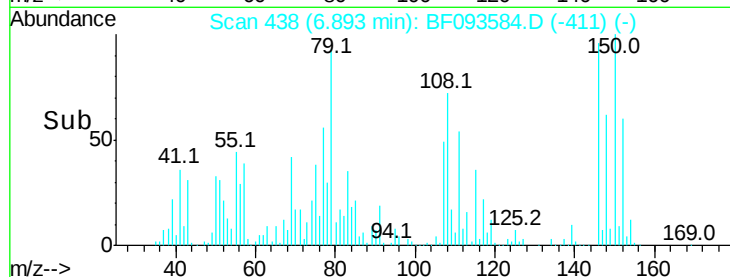
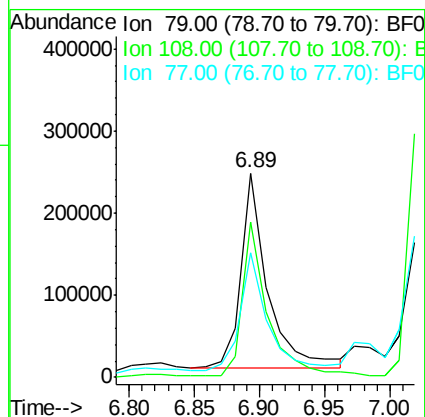
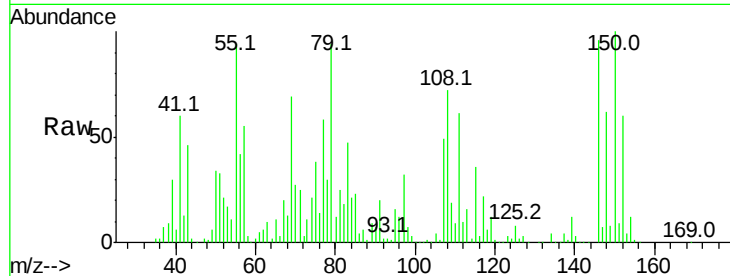
Tot Ion: 79 Resp: 335614

Ion Ratio Lower Upper

79 100

108 76.2 61.4 92.0

77 61.0 50.9 76.3



#16

2,2'-oxybis(1-Chloropropane)

Concen: 36.34 ng

RT: 7.02 min Scan# 449

Delta R.T. 0.01 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

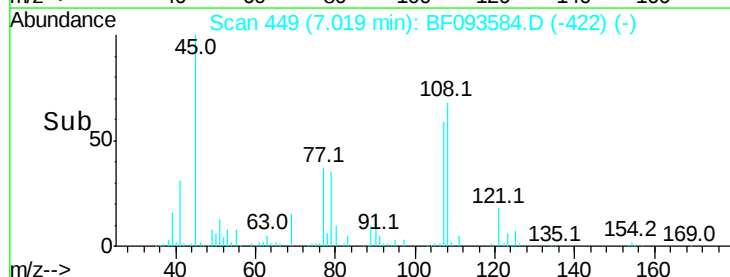
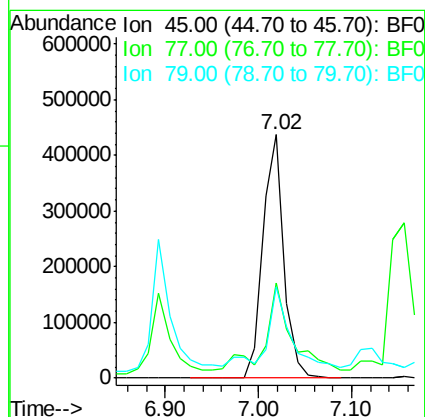
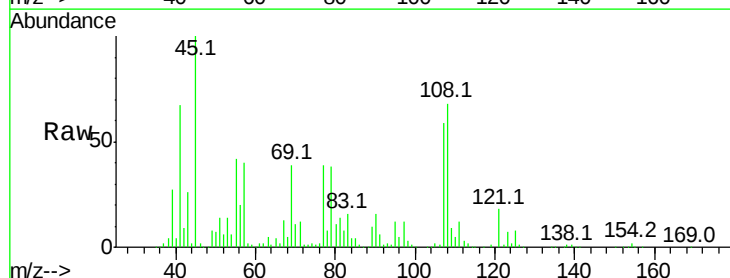
Tgt Ion: 45 Resp: 679765

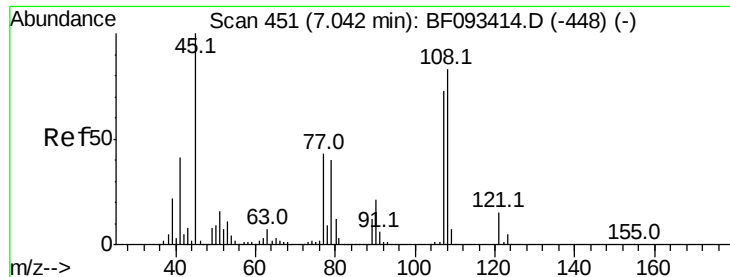
Ion Ratio Lower Upper

45 100

77 39.2 0.0 34.6#

79 37.7 0.0 31.2#





#17

2-Methylphenol

Concen: 40.19 ng

RT: 7.02 min Scan# 449

Delta R.T. 0.01 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

Instrument :

BNA_F

ClientSampleId :

HY-SB419AMSD

Tot Ion:107 Resp: 343422

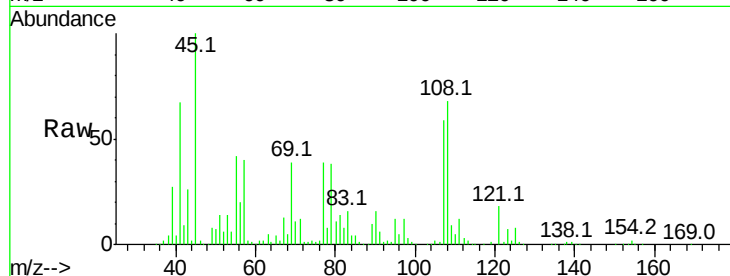
Ion Ratio Lower Upper

107 100

108 113.9 93.0 139.6

77 65.9 39.8 59.8#

79 63.3 38.0 57.0#

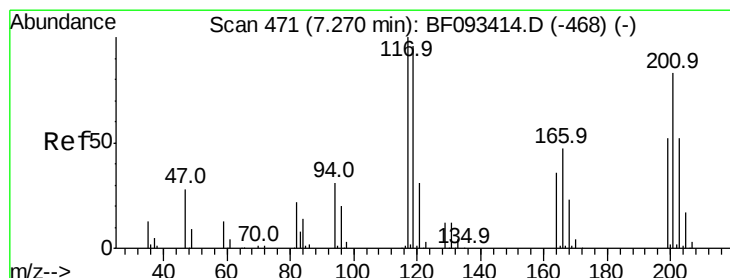
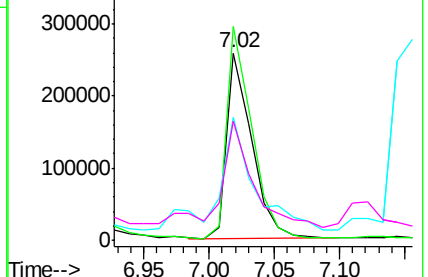
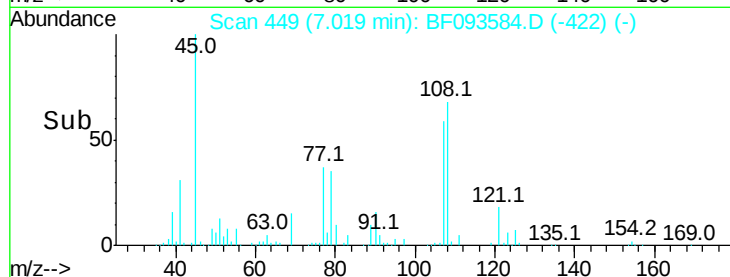


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#18

Hexachloroethane

Concen: 36.38 ng

RT: 7.24 min Scan# 468

Delta R.T. 0.01 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

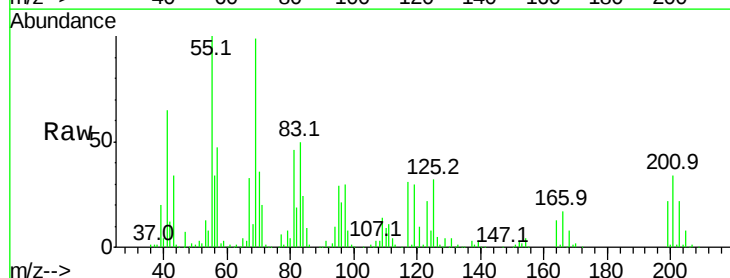
Tgt Ion:117 Resp: 145269

Ion Ratio Lower Upper

117 100

119 94.9 78.1 117.1

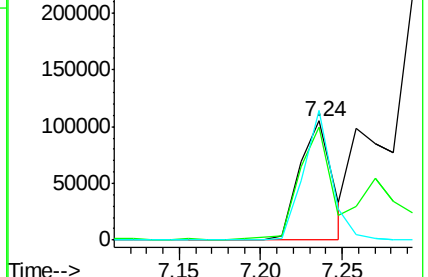
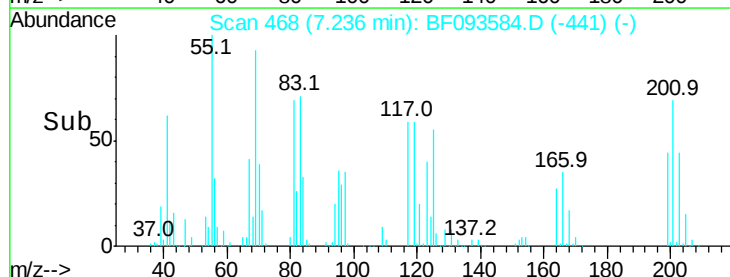
201 109.4 78.6 117.8

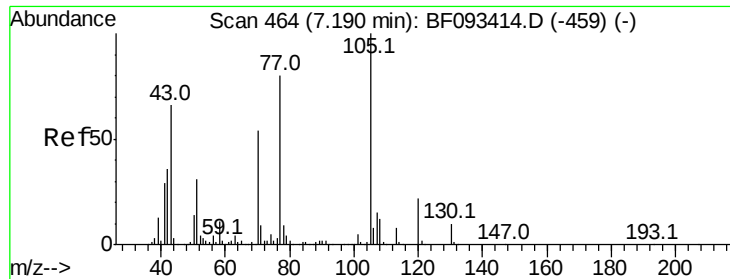


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

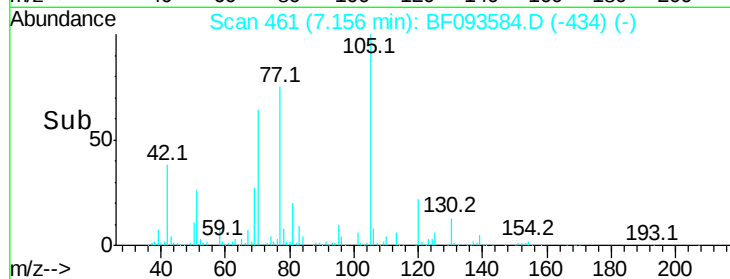
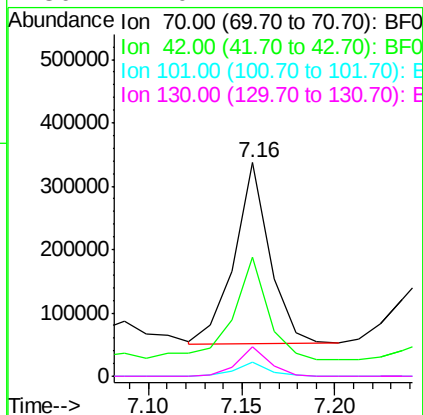
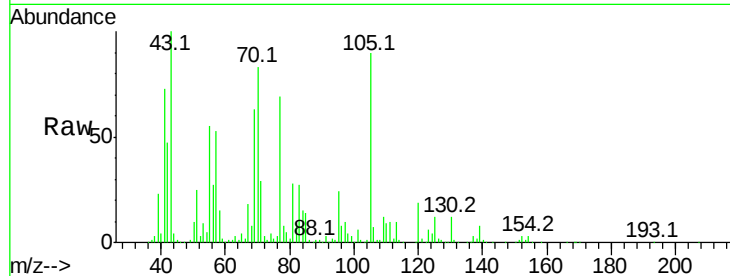




#19
n-Nitroso-di-n-propylamine
Concen: 48.60 ng
RT: 7.16 min Scan# 461
Delta R.T. 0.01 min
Lab File: BF093584.D
Acq: 11 Mar 2017 23:00

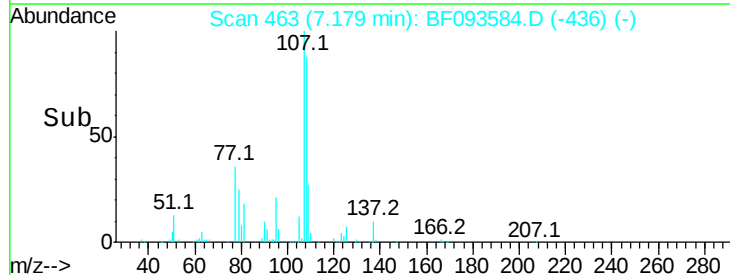
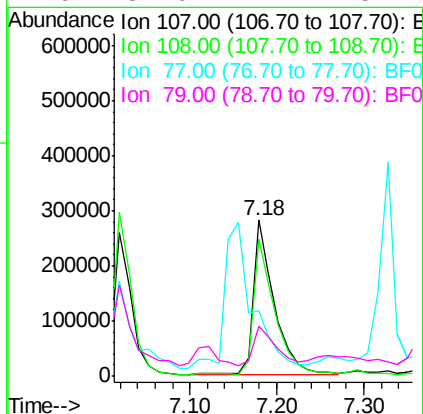
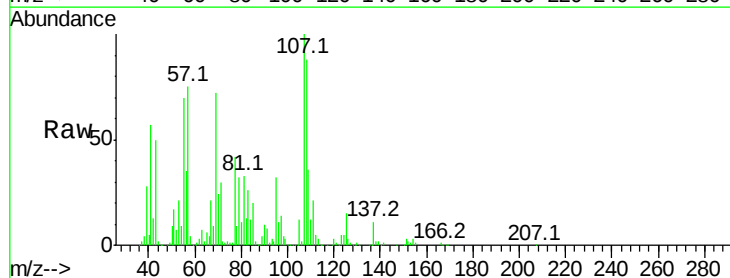
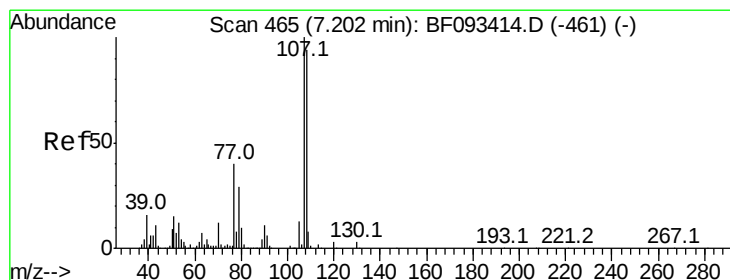
Instrument :
BNA_F
ClientSampleId :
HY-SB419AMSD

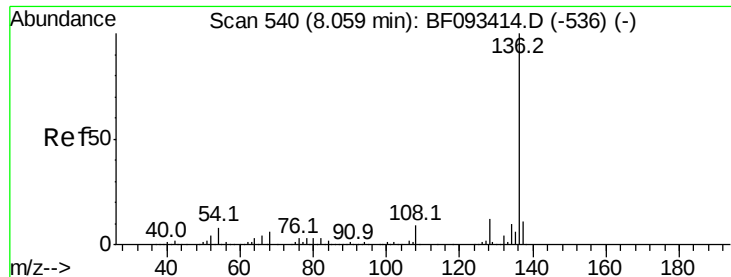
Tot Ion: 70 Resp: 379955
Ion Ratio Lower Upper
70 100
42 55.8 49.4 74.0
101 6.9 7.4 11.2#
130 14.0 14.2 21.4#



#20
3+4-Methylphenols
Concen: 42.02 ng
RT: 7.18 min Scan# 463
Delta R.T. 0.01 min
Lab File: BF093584.D
Acq: 11 Mar 2017 23:00

Tgt Ion:107 Resp: 465659
Ion Ratio Lower Upper
107 100
108 88.1 73.0 113.0
77 41.7 71.3 111.3#
79 32.0 11.1 51.1





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.02 min Scan# 537

Delta R.T. 0.01 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

Instrument :

BNA_F

ClientSampleId :

HY-SB419AMSD

Tot Ion:136 Resp: 277358

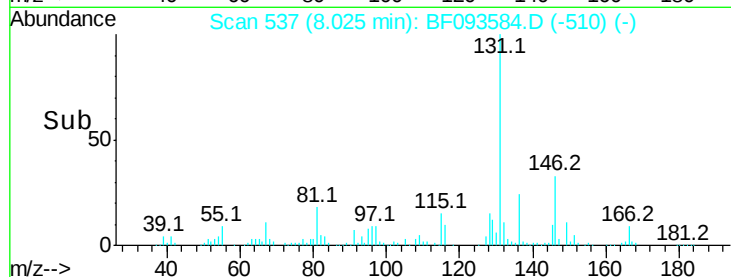
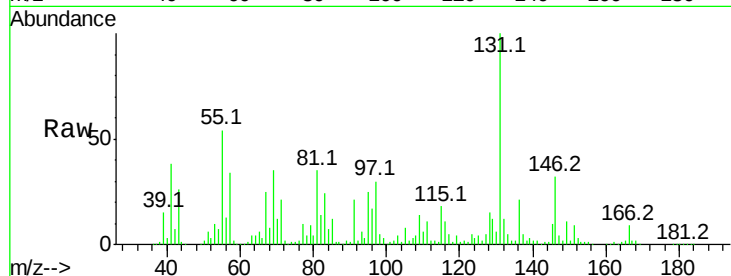
Ion Ratio Lower Upper

136 100

137 22.8 8.4 12.6#

54 33.8 4.5 6.7#

68 39.5 3.6 5.4#

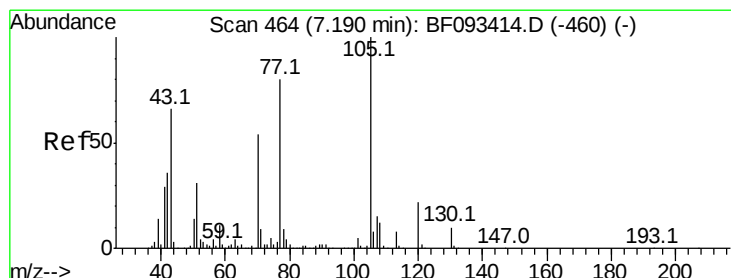
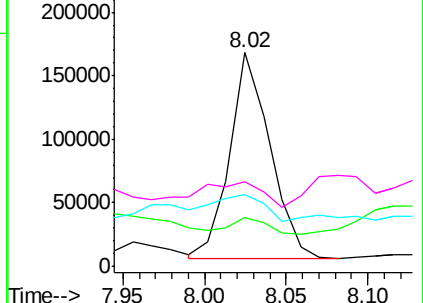


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 86.14 ng

RT: 7.16 min Scan# 461

Delta R.T. 0.01 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

Tgt Ion:105 Resp: 574950

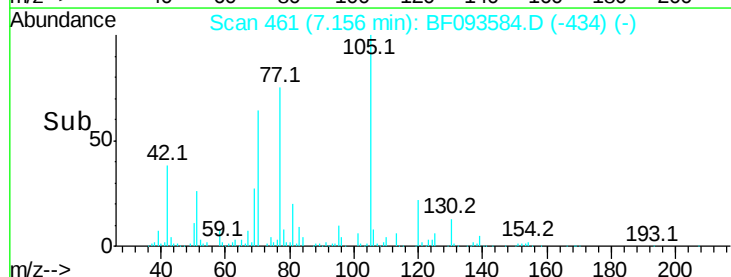
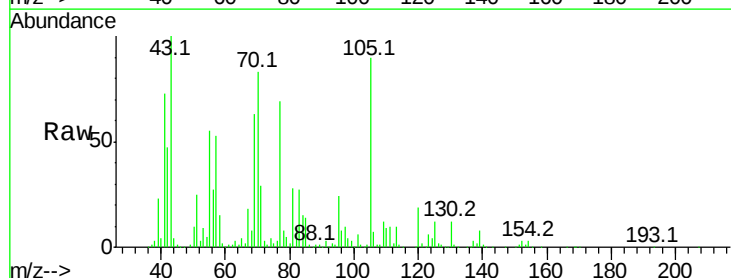
Ion Ratio Lower Upper

105 100

71 32.7 3.2 4.8#

51 27.8 26.2 39.4

120 21.6 16.6 24.8

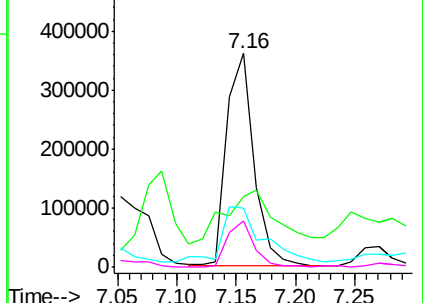


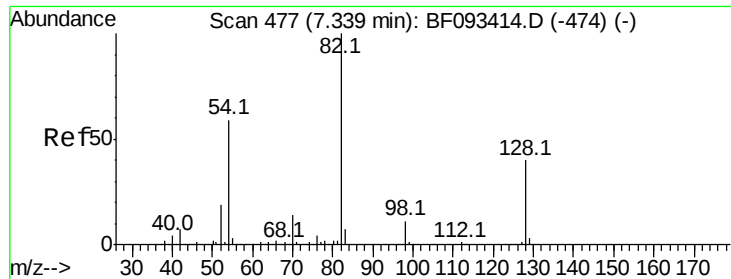
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

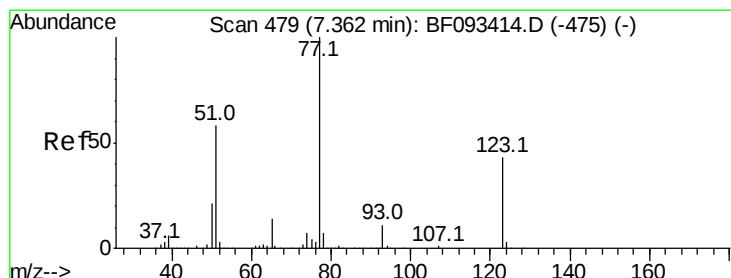
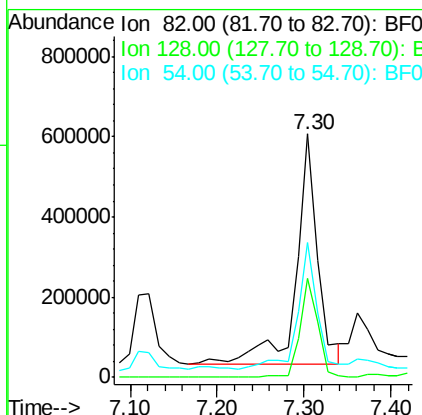
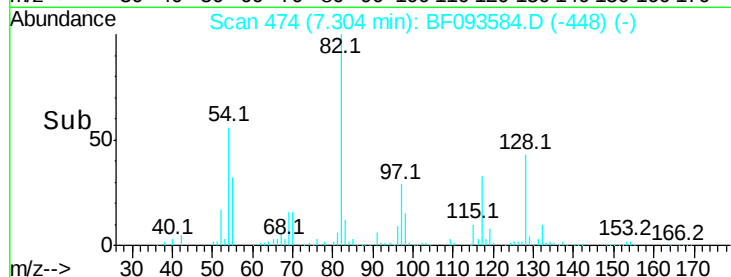
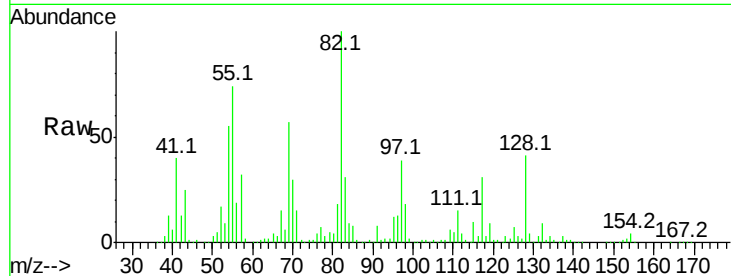




#23
Nitrobenzene-d5
Concen: 197.97 ng
RT: 7.30 min Scan# 474
Delta R.T. -0.00 min
Lab File: BF093584.D
Acq: 11 Mar 2017 23:00

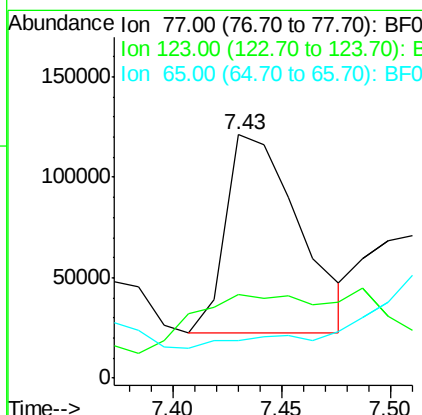
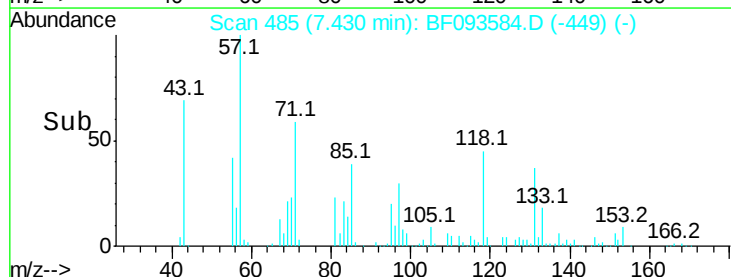
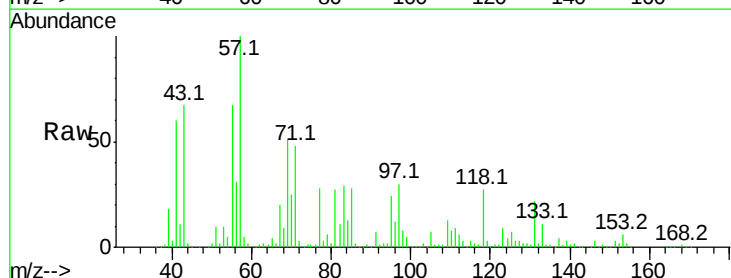
Instrument :
BNA_F
ClientSampleId :
HY-SB419AMSD

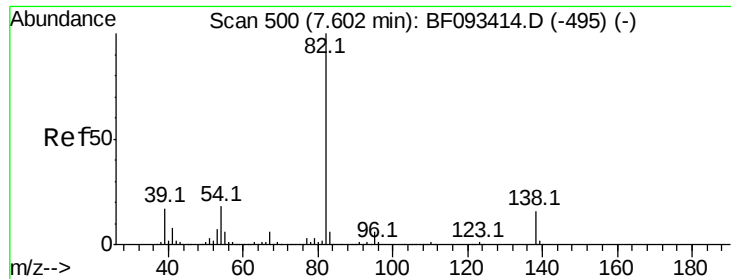
Tot Ion: 82 Resp: 989632
Ion Ratio Lower Upper
82 100
128 40.8 34.6 52.0
54 55.3 39.5 59.3



#24
Nitrobenzene
Concen: 41.28 ng
RT: 7.43 min Scan# 485
Delta R.T. 0.11 min
Lab File: BF093584.D
Acq: 11 Mar 2017 23:00

Tgt Ion: 77 Resp: 231938
Ion Ratio Lower Upper
77 100
123 34.1 33.0 49.4
65 15.6 11.2 16.8





#25

Isophorone

Concen: 93.94 ng

RT: 7.57 min Scan# 497

Delta R.T. 0.01 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

Instrument :

BNA_F

ClientSampleId :

HY-SB419AMSD

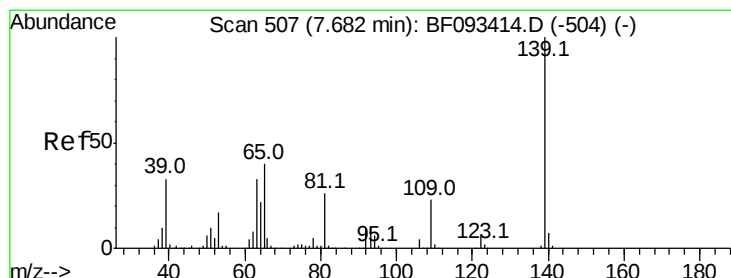
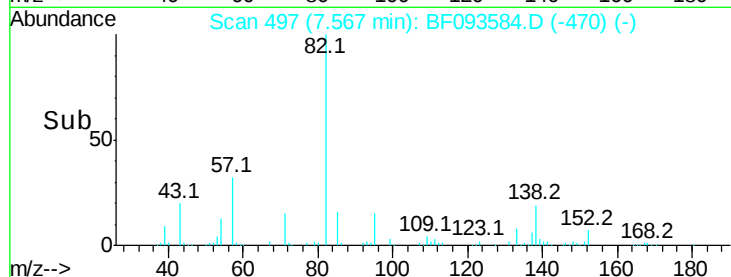
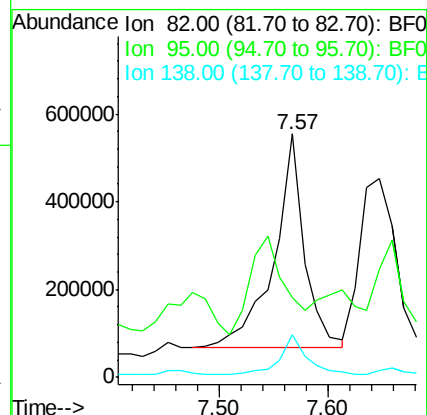
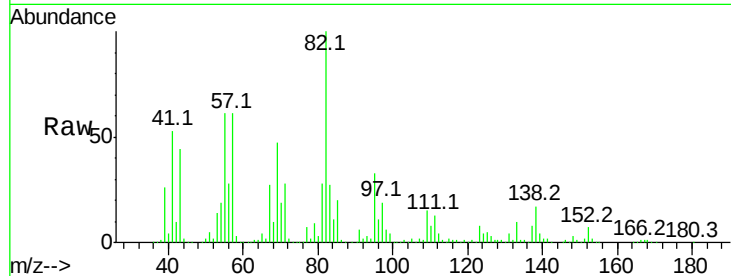
Tot Ion: 82 Resp: 946955

Ion Ratio Lower Upper

82 100

95 33.0 5.6 8.4#

138 17.5 14.6 22.0



#26

2-Nitrophenol

Concen: 81.67 ng

RT: 7.65 min Scan# 504

Delta R.T. 0.01 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

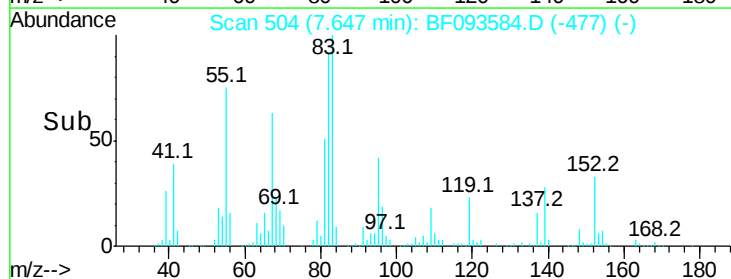
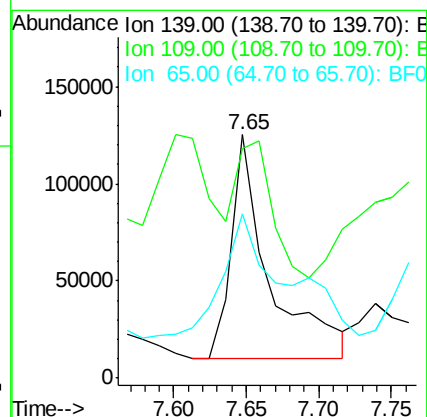
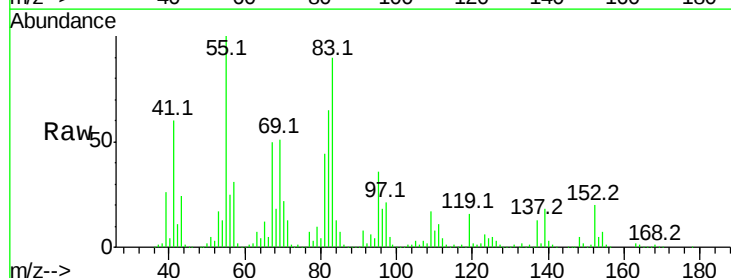
Tgt Ion: 139 Resp: 209343

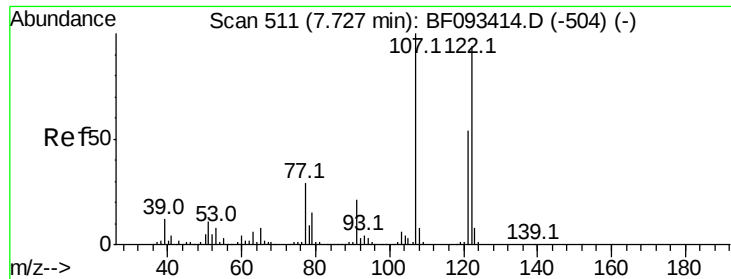
Ion Ratio Lower Upper

139 100

109 94.2 23.3 34.9#

65 67.4 42.7 64.1#

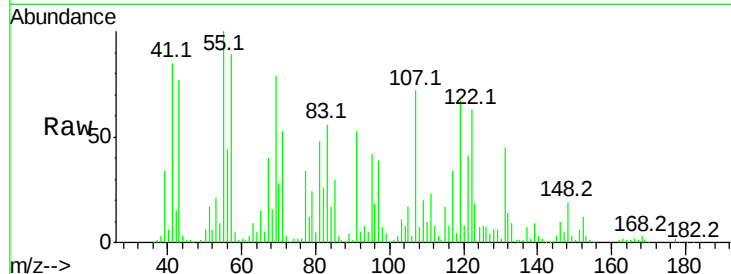




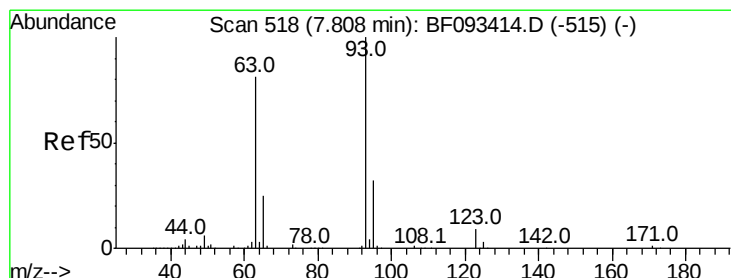
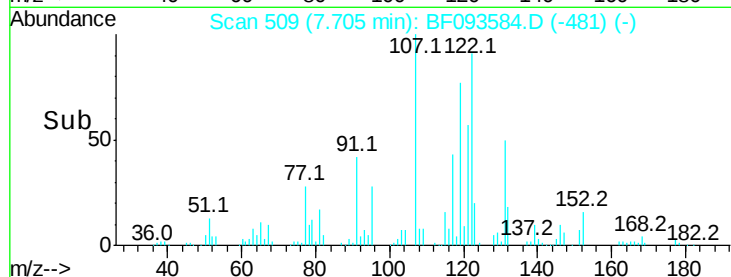
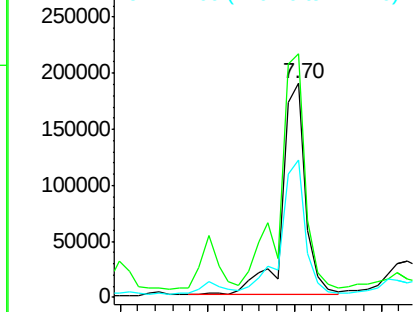
#27
2,4-Dimethylphenol
Concen: 84.54 ng
RT: 7.70 min Scan# 509
Delta R.T. 0.02 min
Lab File: BF093584.D
Acq: 11 Mar 2017 23:00

Instrument :
BNA_F
ClientSampleId :
HY-SB419AMSD

Tot Ion:122 Resp: 352501
Ion Ratio Lower Upper
122 100
107 113.8 94.1 141.1
121 64.1 46.0 69.0

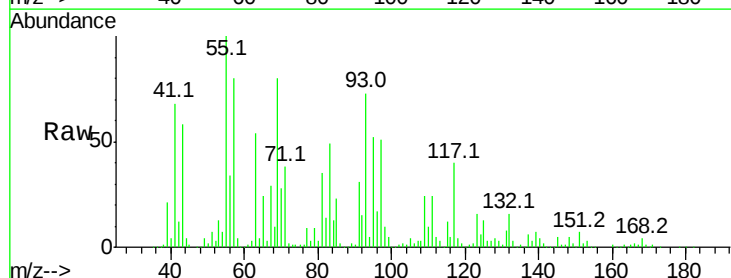


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

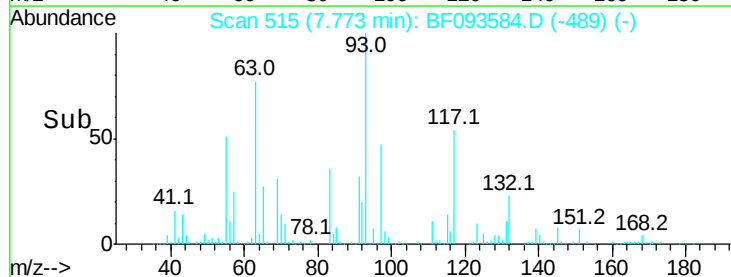
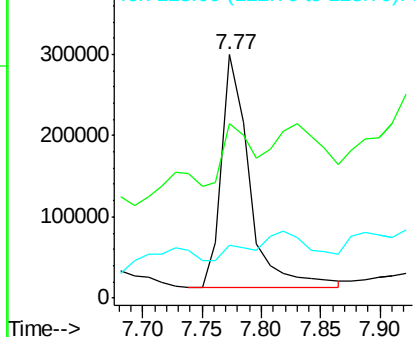


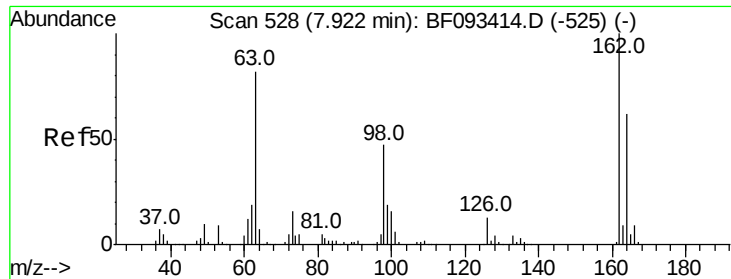
#28
bis(2-Chloroethoxy)methane
Concen: 73.04 ng
RT: 7.77 min Scan# 515
Delta R.T. -0.00 min
Lab File: BF093584.D
Acq: 11 Mar 2017 23:00

Tgt Ion: 93 Resp: 464799
Ion Ratio Lower Upper
93 100
95 71.9 26.5 39.7#
123 21.7 8.6 13.0#



Abundance Ion 93.00 (92.70 to 93.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 123.00 (122.70 to 123.70): E





#29

2,4-Dichlorophenol

Concen: 134.57 ng

RT: 7.91 min Scan# 527

Delta R.T. 0.02 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

Instrument :

BNA_F

ClientSampleId :

HY-SB419AMSD

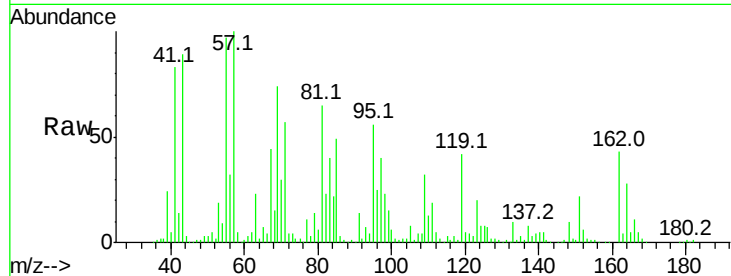
Tot Ion:162 Resp: 527907

Ion Ratio Lower Upper

162 100

164 64.0 46.8 86.8

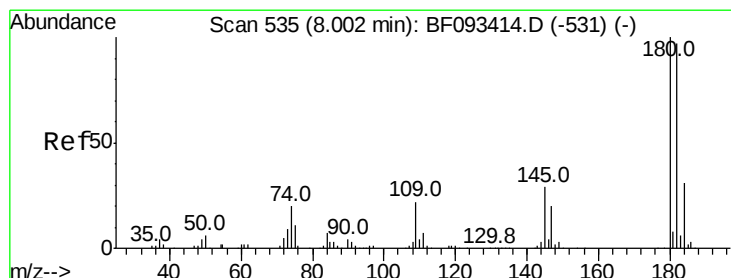
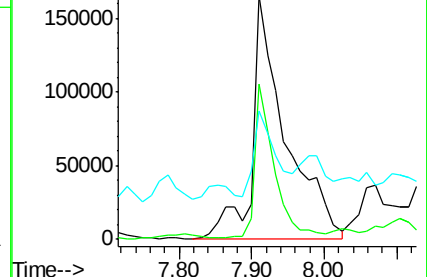
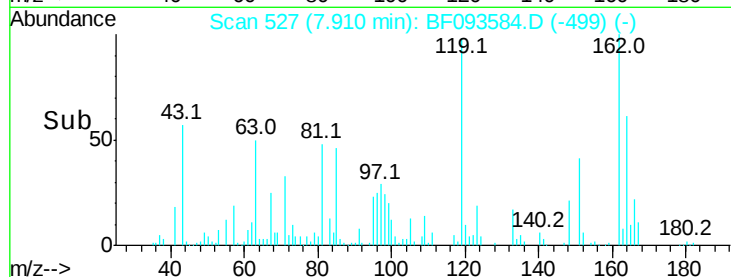
98 52.9 9.1 49.1#



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: 69.26 ng

RT: 7.97 min Scan# 532

Delta R.T. 0.01 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

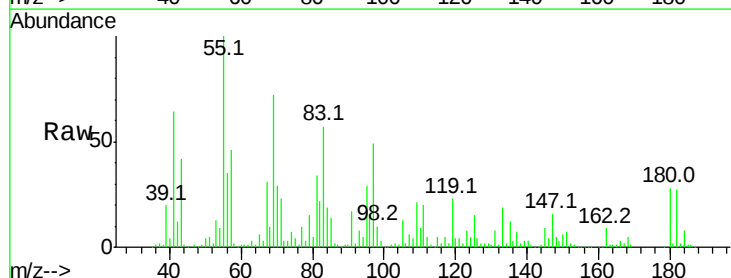
Tgt Ion:180 Resp: 288924

Ion Ratio Lower Upper

180 100

182 95.1 78.2 117.4

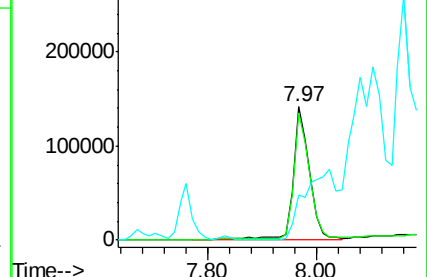
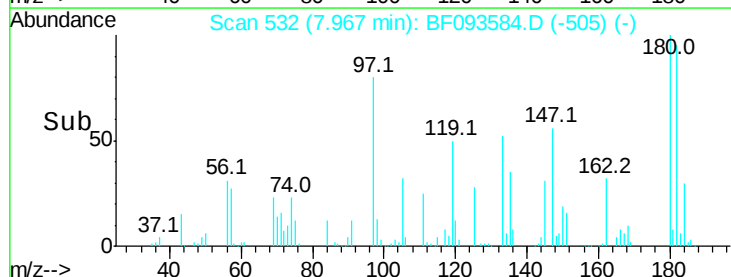
145 33.7 21.6 32.4#

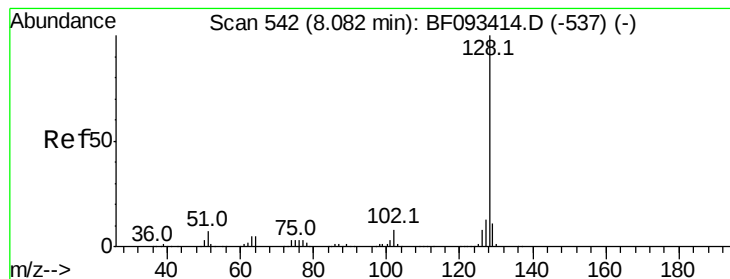


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 81.89 ng

RT: 8.05 min Scan# 539

Delta R.T. 0.01 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

Instrument :

BNA_F

ClientSampleId :

HY-SB419AMSD

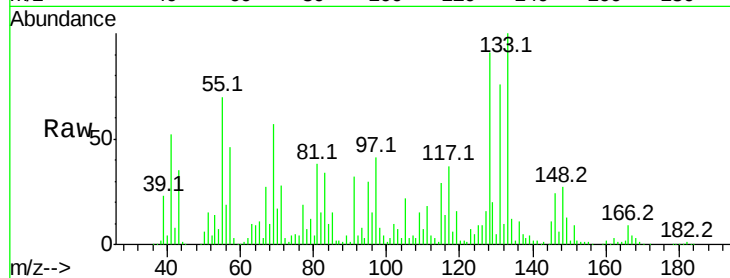
Tot Ion:128 Resp: 1138159

Ion Ratio Lower Upper

128 100

129 22.1 9.5 14.3#

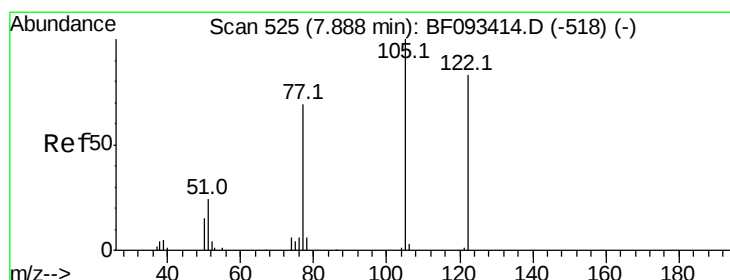
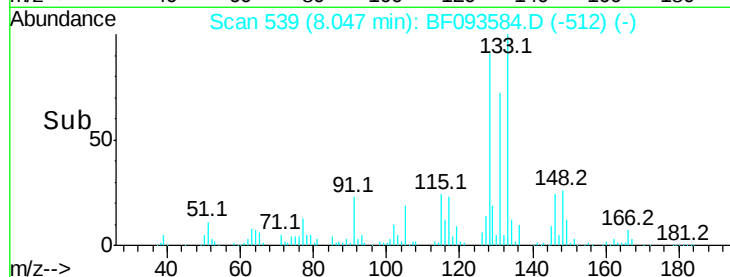
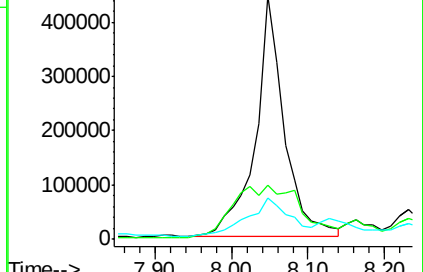
127 17.2 10.8 16.2#



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: 52.22 ng

RT: 7.83 min Scan# 520

Delta R.T. -0.02 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

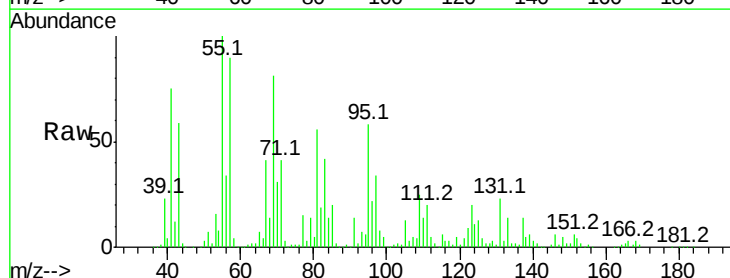
Tgt Ion:122 Resp: 113153

Ion Ratio Lower Upper

122 100

105 150.6 107.2 147.2#

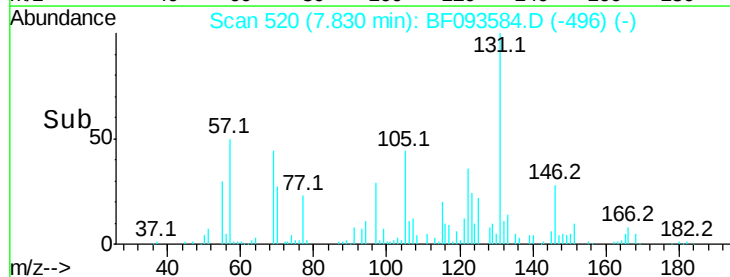
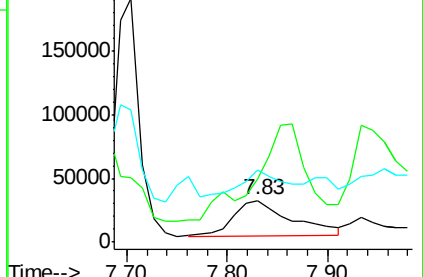
77 172.3 74.5 114.5#

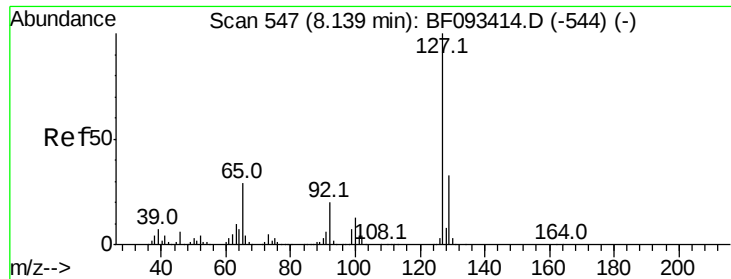


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

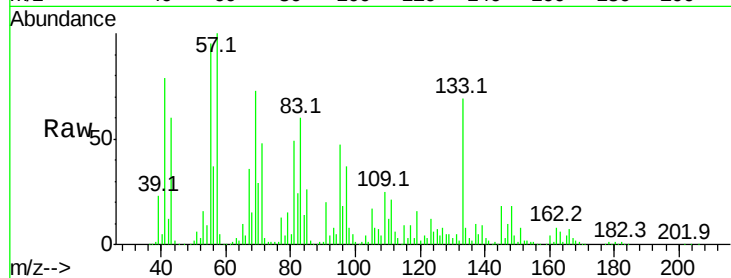




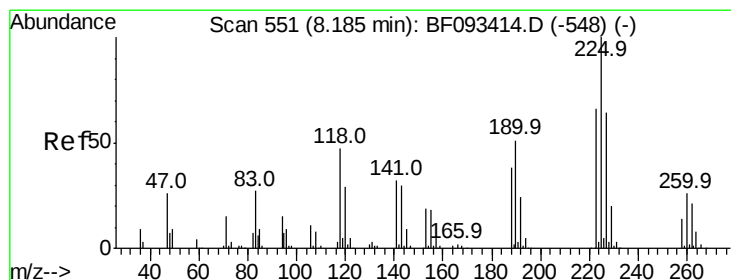
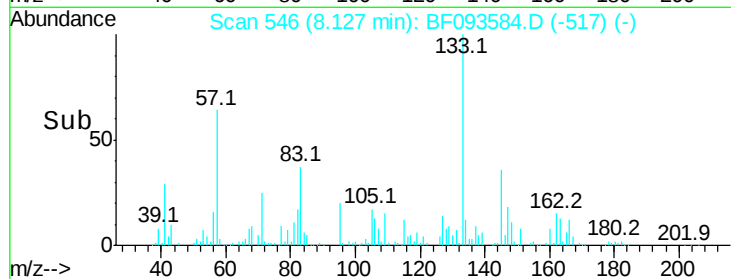
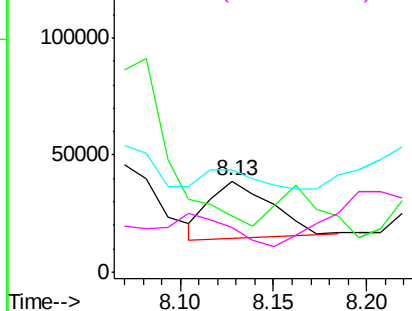
#33
4-Chloroaniline
Concen: 9.97 ng
RT: 8.13 min Scan# 546
Delta R.T. 0.03 min
Lab File: BF093584.D
Acq: 11 Mar 2017 23:00

Instrument :
BNA_F
ClientSampleId :
HY-SB419AMSD

Tot Ion:127 Resp: 56250
Ion Ratio Lower Upper
127 100
129 61.9 26.3 39.5#
65 112.6 25.8 38.8#
92 48.8 16.1 24.1#

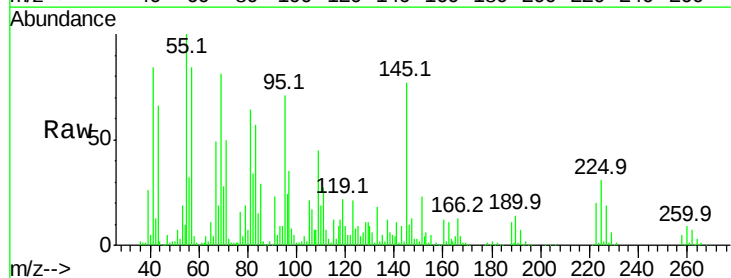


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

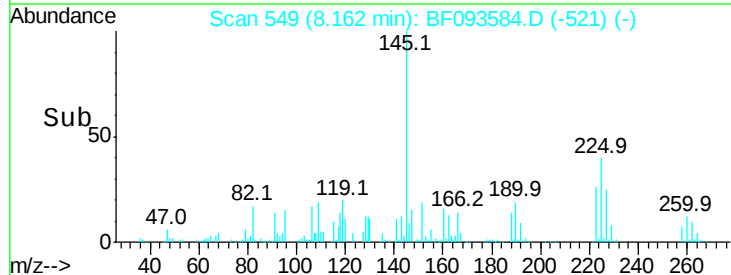
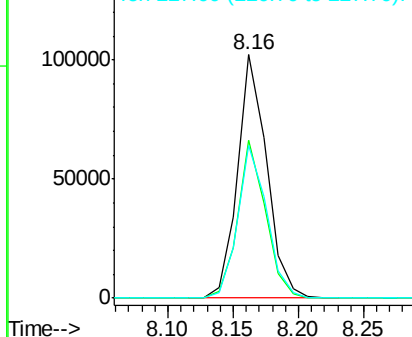


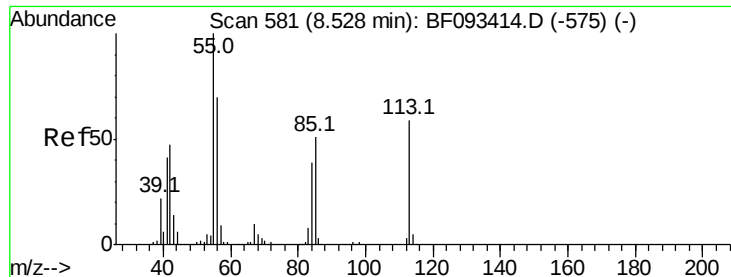
#34
Hexachlorobutadiene
Concen: 73.57 ng
RT: 8.16 min Scan# 549
Delta R.T. 0.02 min
Lab File: BF093584.D
Acq: 11 Mar 2017 23:00

Tgt Ion:225 Resp: 158085
Ion Ratio Lower Upper
225 100
223 64.7 51.0 76.6
227 62.8 50.6 76.0



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





#35

Caprolactam

Concen: 263.52 ng

RT: 8.48 min Scan# 577

Delta R.T. 0.01 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

Instrument :

BNA_F

ClientSampleId :

HY-SB419AMSD

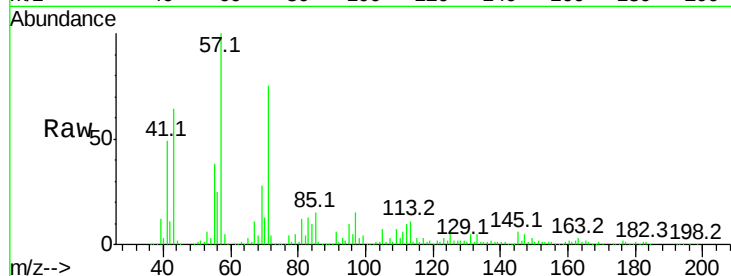
Tot Ion:113 Resp: 353048

Ion Ratio Lower Upper

113 100

55 336.3 119.2 159.2#

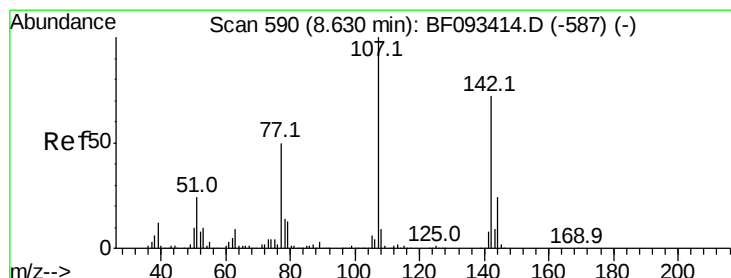
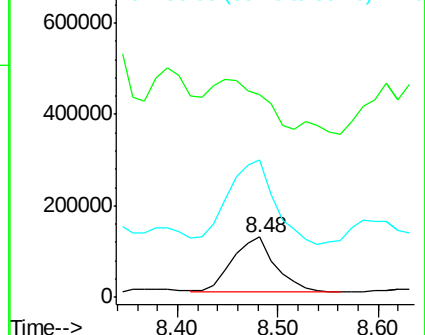
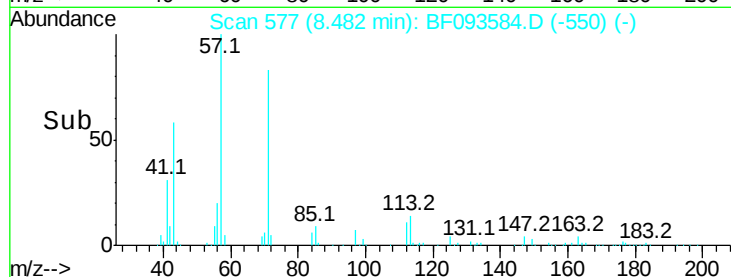
56 228.1 83.8 123.8#



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: 55.75 ng

RT: 8.62 min Scan# 589

Delta R.T. 0.02 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

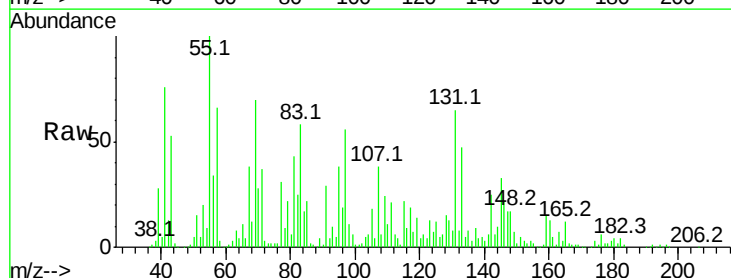
Tgt Ion:107 Resp: 233431

Ion Ratio Lower Upper

107 100

144 25.9 19.3 28.9

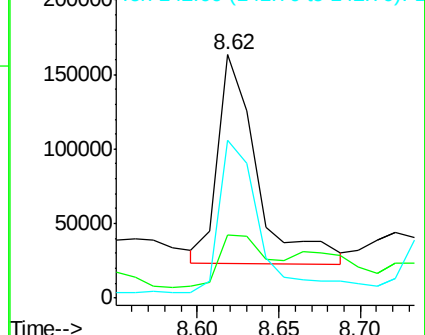
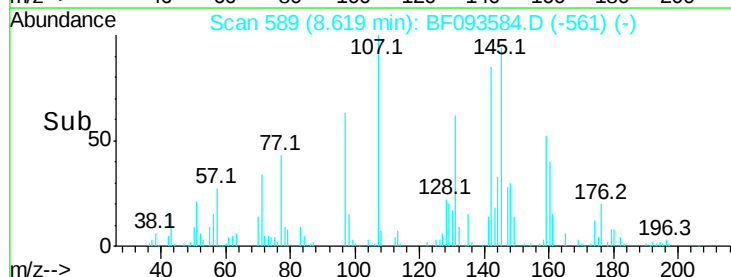
142 65.0 59.0 88.6

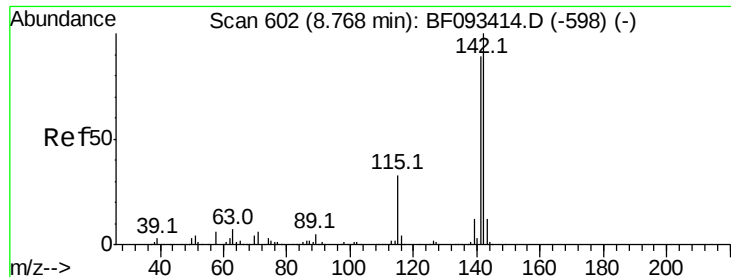


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

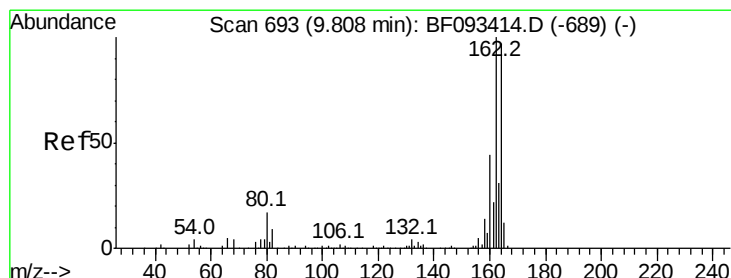
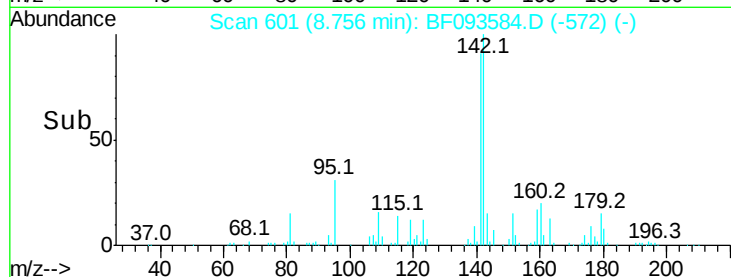
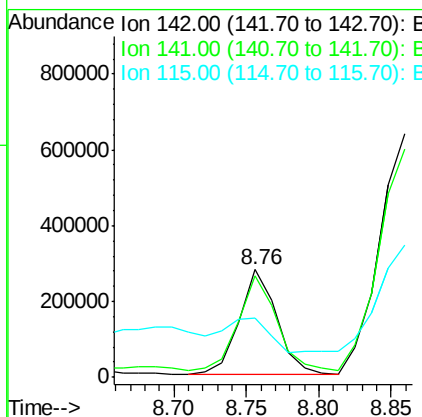
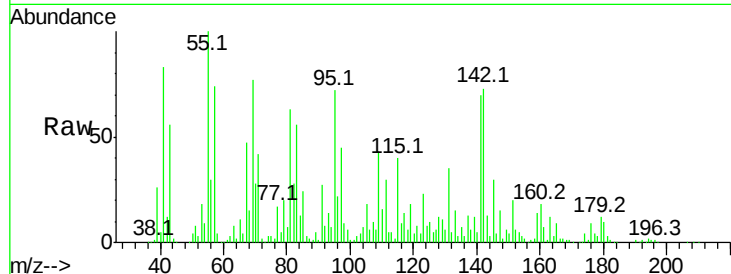




#37
2-Methylnaphthalene
Concen: 55.97 ng
RT: 8.76 min Scan# 601
Delta R.T. 0.03 min
Lab File: BF093584.D
Acq: 11 Mar 2017 23:00

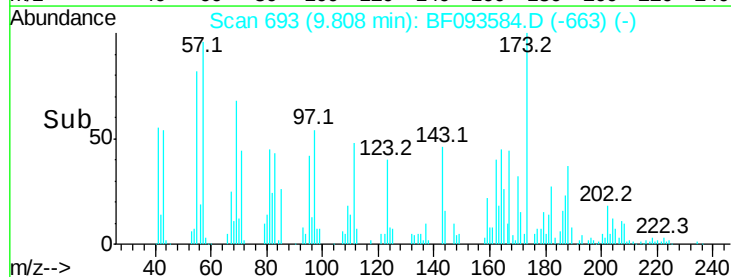
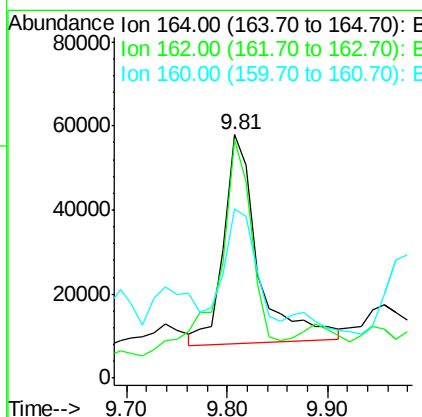
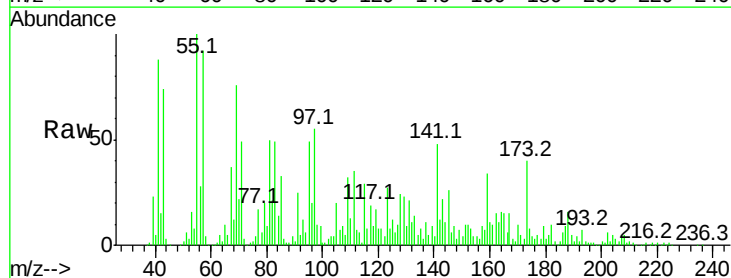
Instrument :
BNA_F
ClientSampleId :
HY-SB419AMSD

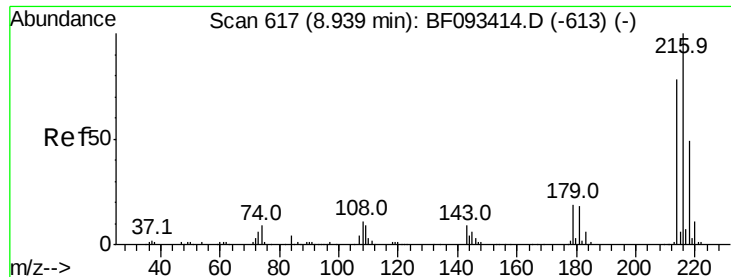
Tot Ion:142 Resp: 494992
Ion Ratio Lower Upper
142 100
141 94.9 71.0 106.6
115 54.6 28.3 42.5#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.81 min Scan# 693
Delta R.T. 0.05 min
Lab File: BF093584.D
Acq: 11 Mar 2017 23:00

Tgt Ion:164 Resp: 118864
Ion Ratio Lower Upper
164 100
162 98.2 80.2 120.2
160 69.8 36.9 55.3#

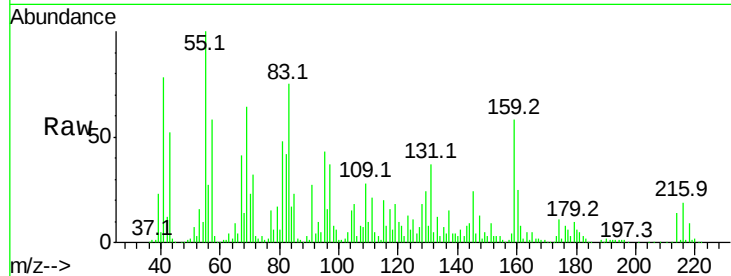




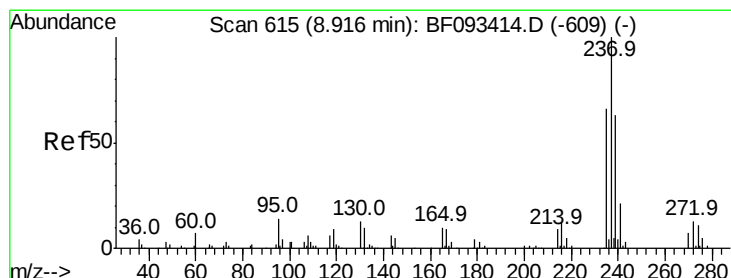
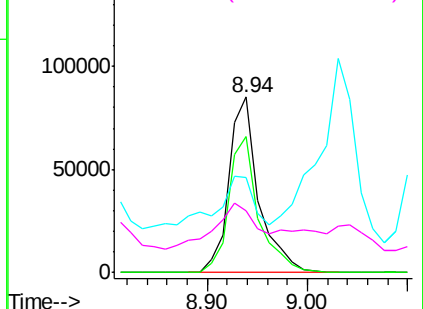
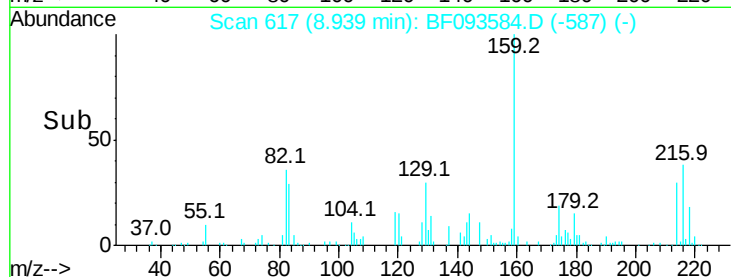
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 53.76 ng
 RT: 8.94 min Scan# 617
 Delta R.T. 0.05 min
 Lab File: BF093584.D
 Acq: 11 Mar 2017 23:00

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB419AMSD

Tot Ion:216 Resp: 174501
 Ion Ratio Lower Upper
 216 100
 214 77.6 63.4 95.0
 179 36.6 17.4 26.2#
 108 36.7 15.6 23.4#

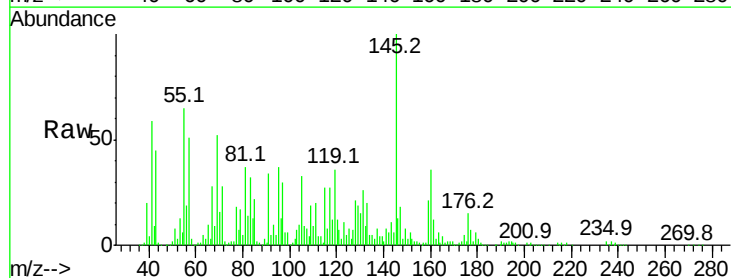


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

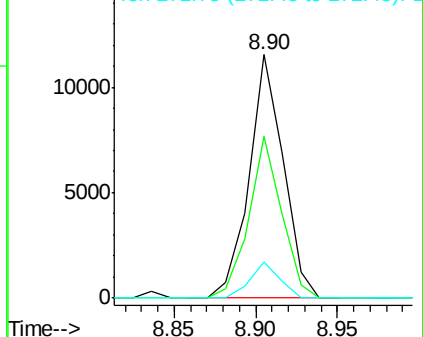
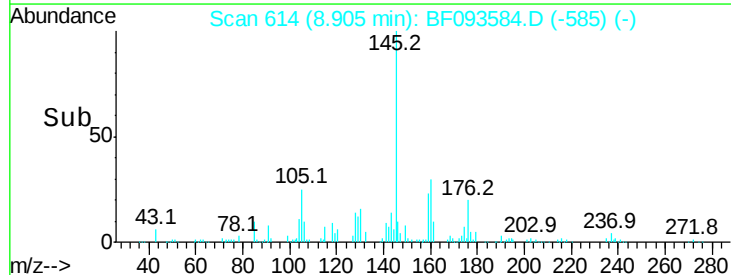


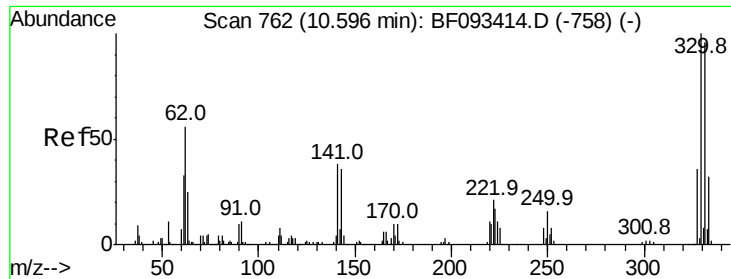
#40
 Hexachlorocyclopentadiene
 Concen: 29.51 ng
 RT: 8.90 min Scan# 614
 Delta R.T. 0.03 min
 Lab File: BF093584.D
 Acq: 11 Mar 2017 23:00

Tgt Ion:237 Resp: 16809
 Ion Ratio Lower Upper
 237 100
 235 66.3 41.2 81.2
 272 15.0 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

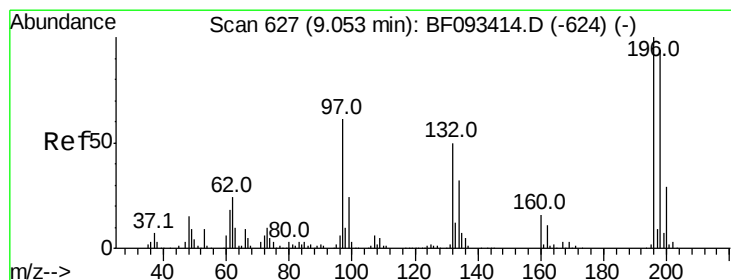
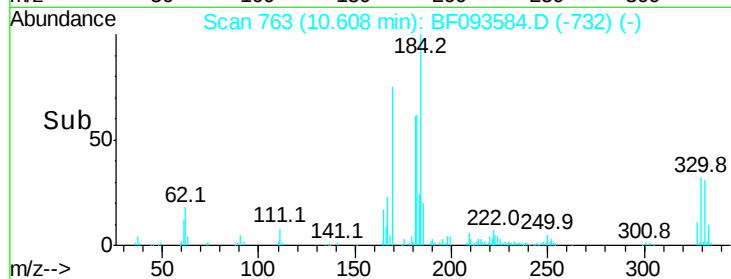
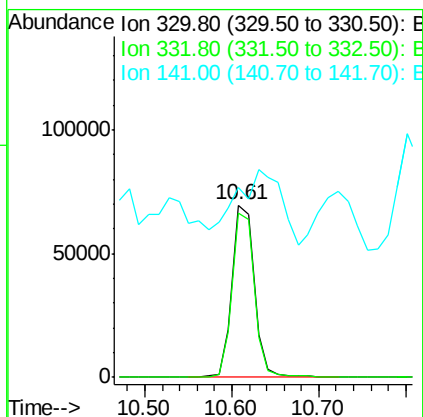
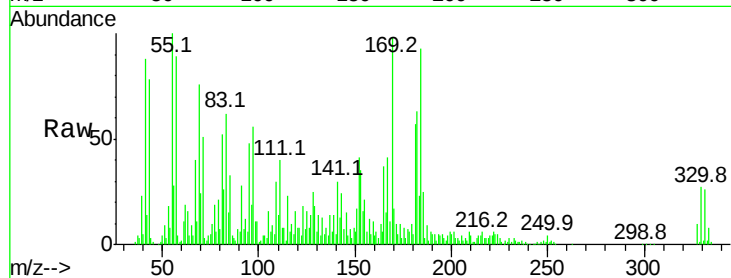




#41
 2,4,6-Tribromophenol
 Concen: 159.66 ng
 RT: 10.61 min Scan# 763
 Delta R.T. 0.06 min
 Lab File: BF093584.D
 Acq: 11 Mar 2017 23:00

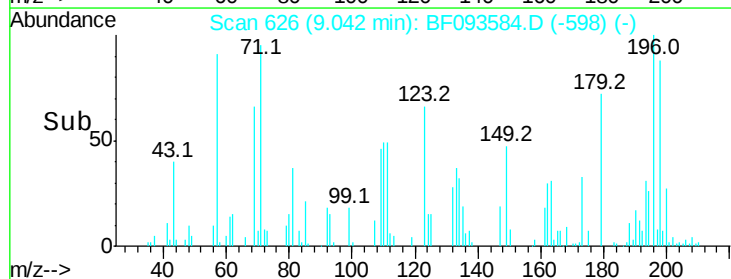
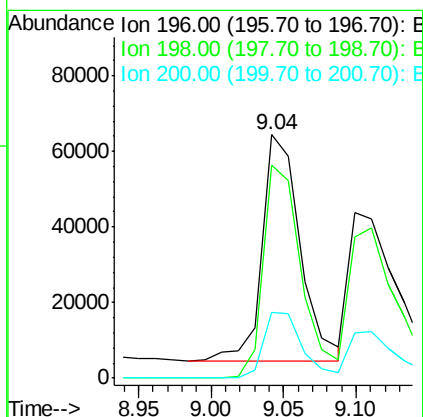
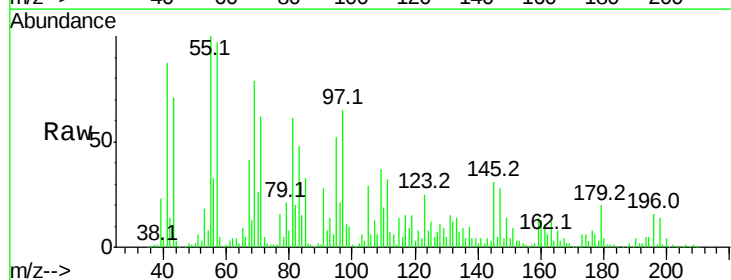
Instrument :
 BNA_F
 ClientSampleId :
 HY-SB419AMSD

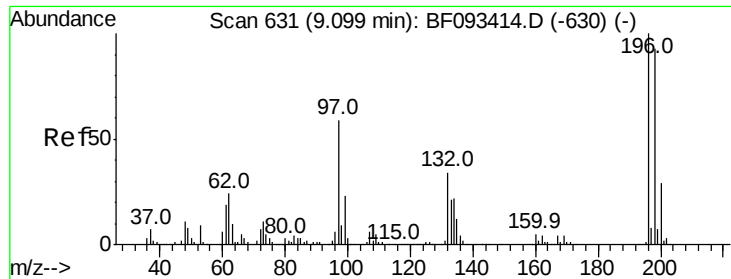
Tot Ion:330 Resp: 123644
 Ion Ratio Lower Upper
 330 100
 332 95.4 77.4 116.2
 141 0.0 34.1 51.1#



#42
 2,4,6-Trichlorophenol
 Concen: 54.09 ng
 RT: 9.04 min Scan# 626
 Delta R.T. 0.02 min
 Lab File: BF093584.D
 Acq: 11 Mar 2017 23:00

Tgt Ion:196 Resp: 109680
 Ion Ratio Lower Upper
 196 100
 198 87.5 82.1 123.1
 200 27.2 27.0 40.4

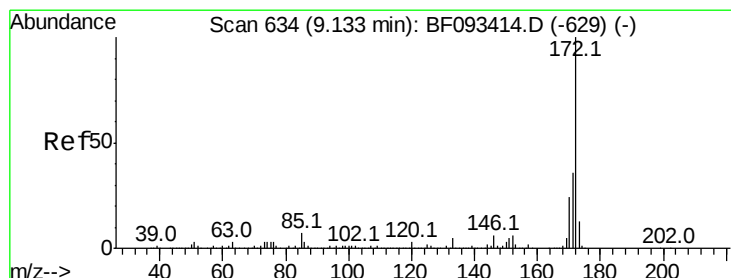
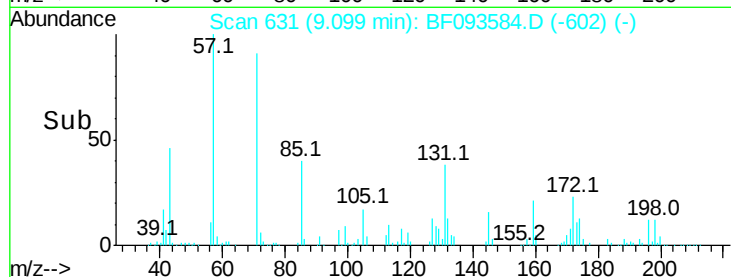
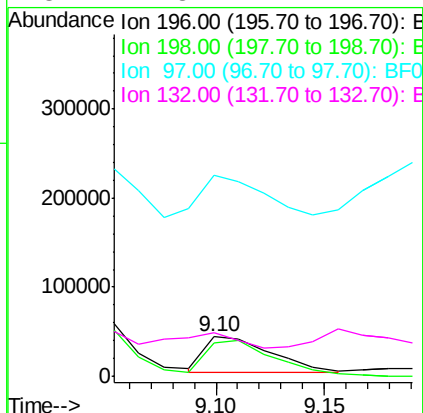
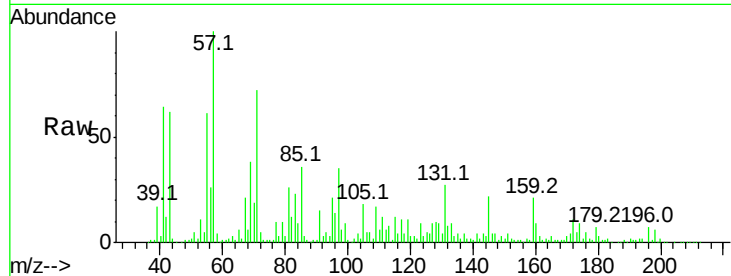




#43
 2,4,5-Trichlorophenol
 Concen: 40.30 ng
 RT: 9.10 min Scan# 631
 Delta R.T. 0.03 min
 Lab File: BF093584.D
 Acq: 11 Mar 2017 23:00

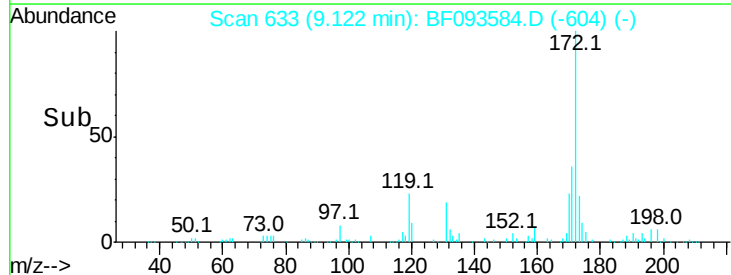
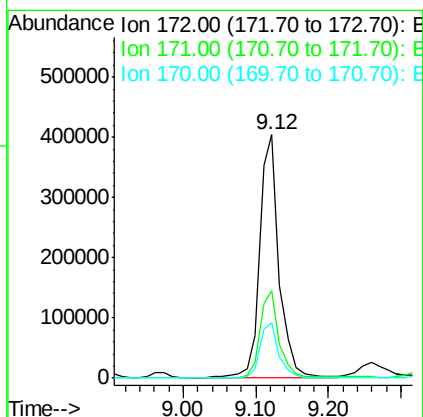
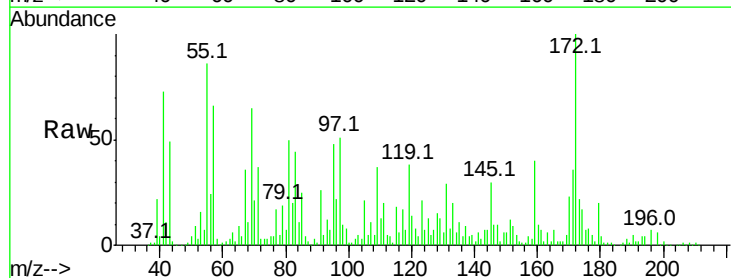
Instrument :
 BNA_F
 ClientSampleId :
 HY-SB419AMSD

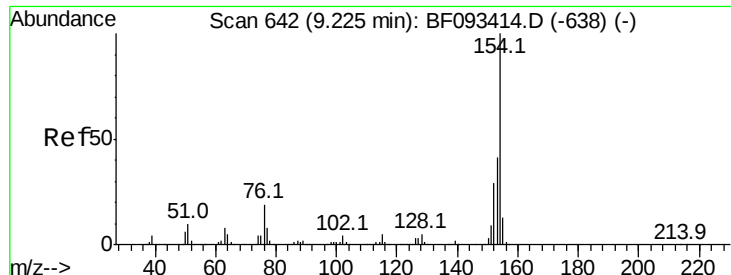
Tot Ion	Ratio	Lower	Upper
196	100		
198	85.0	79.4	119.2
97	513.9	51.5	77.3#
132	112.3	27.4	41.2#



#44
 2-Fluorobiphenyl
 Concen: 118.41 ng
 RT: 9.12 min Scan# 633
 Delta R.T. 0.03 min
 Lab File: BF093584.D
 Acq: 11 Mar 2017 23:00

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.4	44.0
170	22.9	20.2	30.4





#45

1,1'-Biphenyl

Concen: 50.25 ng

RT: 9.22 min Scan# 642

Delta R.T. 0.03 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

Instrument :

BNA_F

ClientSampleId :

HY-SB419AMSD

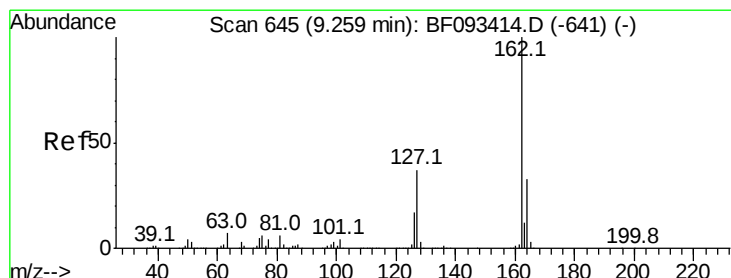
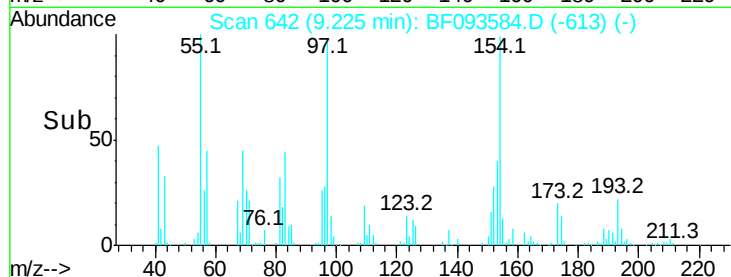
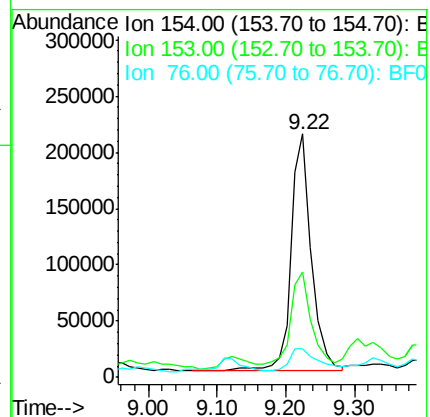
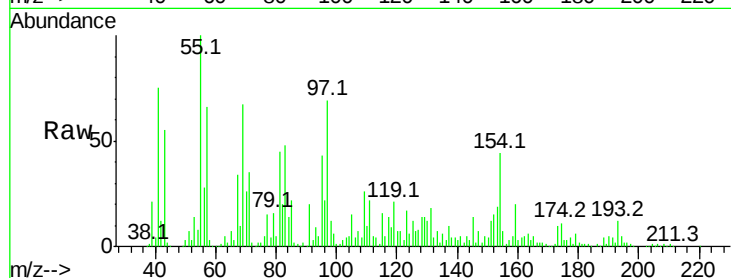
Tot Ion:154 Resp: 435143

Ion Ratio Lower Upper

154 100

153 43.2 20.9 60.9

76 12.0 0.0 30.5



#46

2-Chloronaphthalene

Concen: 56.81 ng

RT: 9.25 min Scan# 644

Delta R.T. 0.03 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

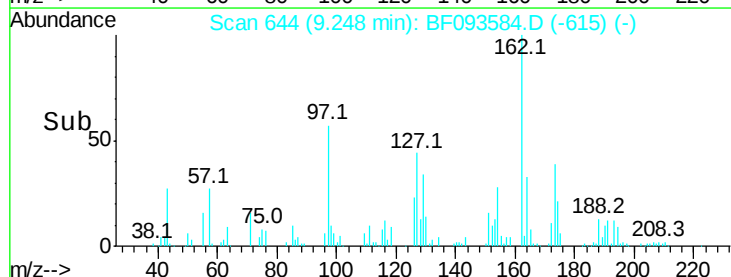
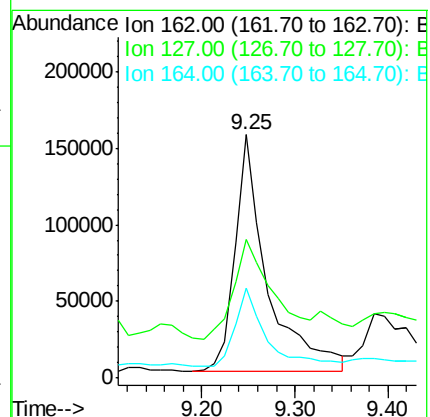
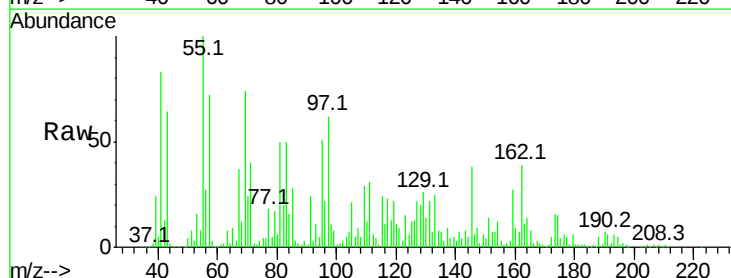
Tgt Ion:162 Resp: 376556

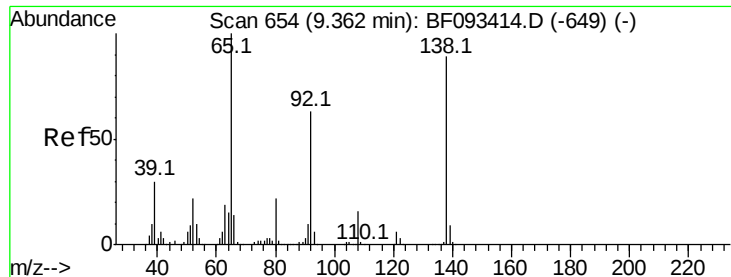
Ion Ratio Lower Upper

162 100

127 57.2 30.7 46.1#

164 36.9 27.6 41.4





#47

2-Nitroaniline

Concen: 44.69 ng

RT: 9.35 min Scan# 653

Delta R.T. 0.02 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

Instrument :

BNA_F

ClientSampleId :

HY-SB419AMSD

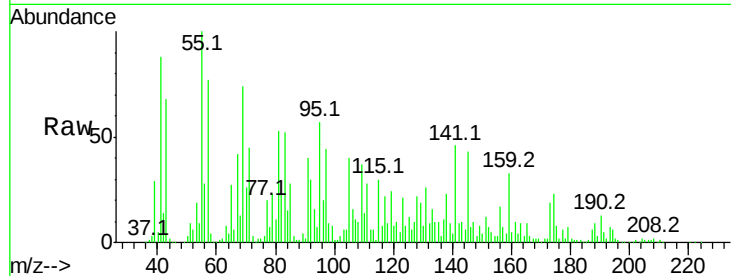
Tot Ion: 65 Resp: 104709

Ion Ratio Lower Upper

65 100

92 111.0 53.9 80.9#

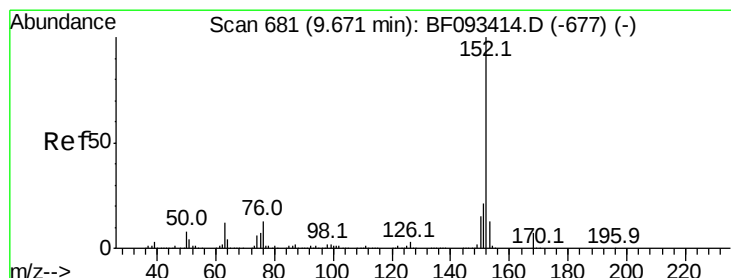
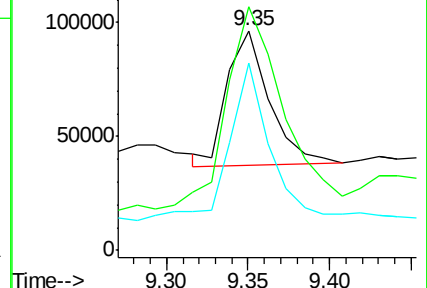
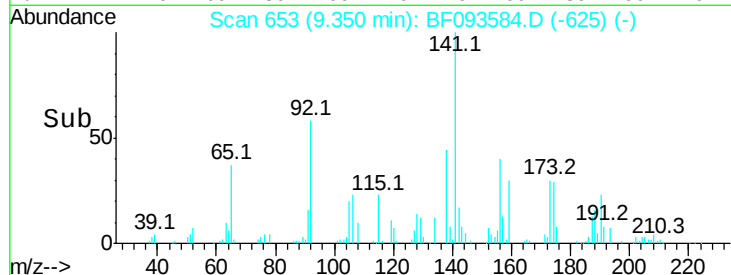
138 85.6 76.8 115.2



Abundance Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#48

Acenaphthylene

Concen: 41.11 ng

RT: 9.67 min Scan# 681

Delta R.T. 0.05 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

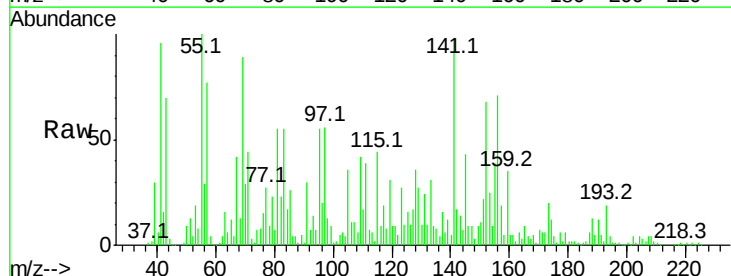
Tgt Ion:152 Resp: 449404

Ion Ratio Lower Upper

152 100

151 32.6 16.9 25.3#

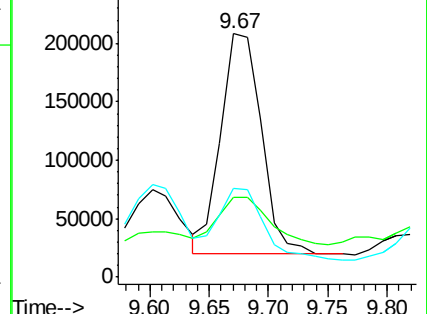
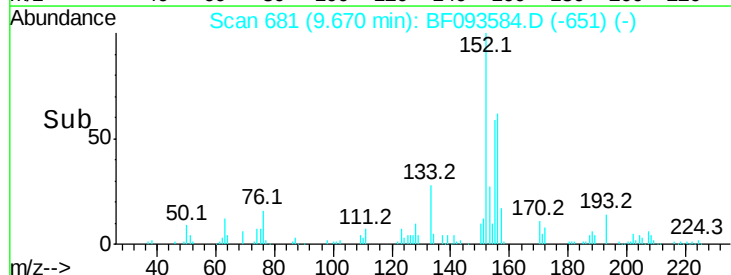
153 36.6 11.4 17.2#

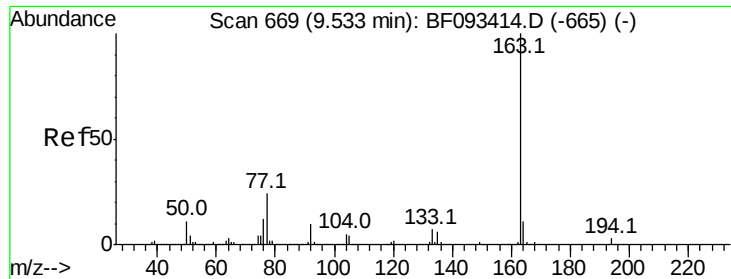


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

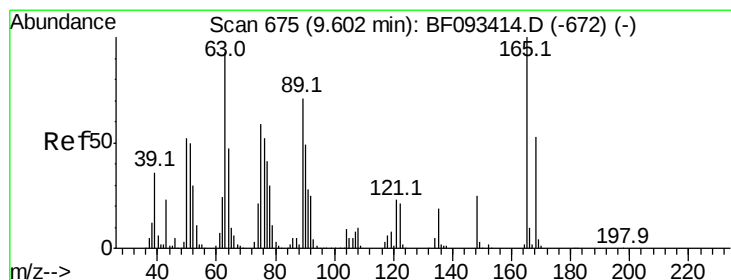
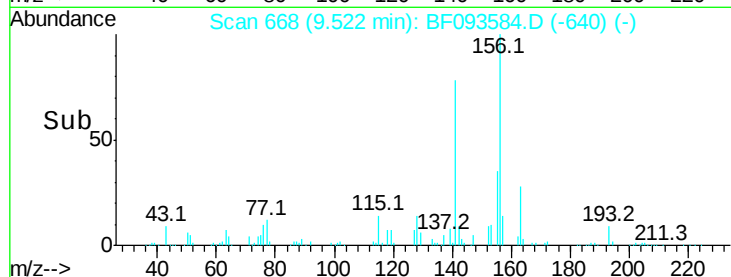
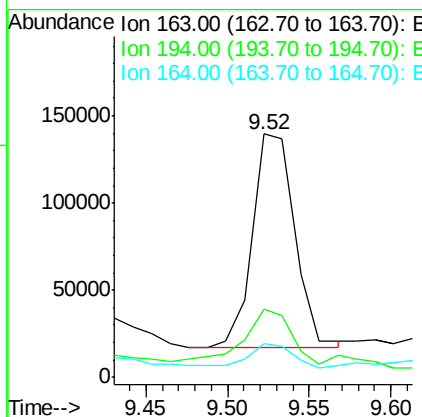
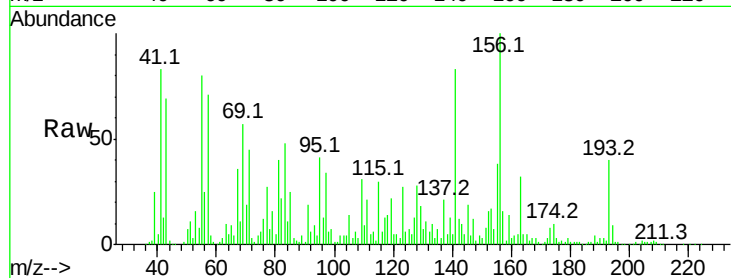




#49
Dimethylphthalate
Concen: 27.97 ng
RT: 9.52 min Scan# 668
Delta R.T. 0.02 min
Lab File: BF093584.D
Acq: 11 Mar 2017 23:00

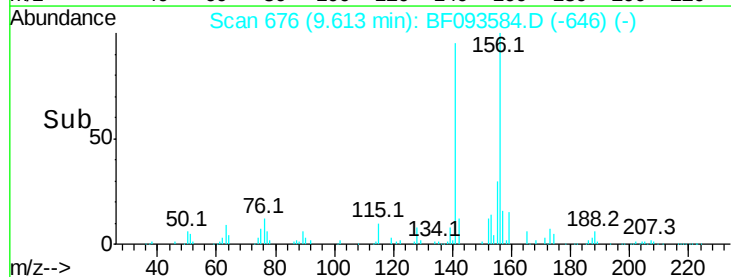
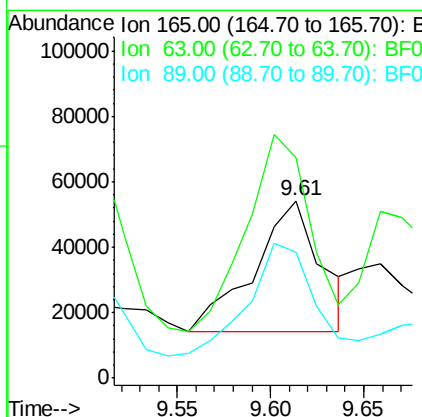
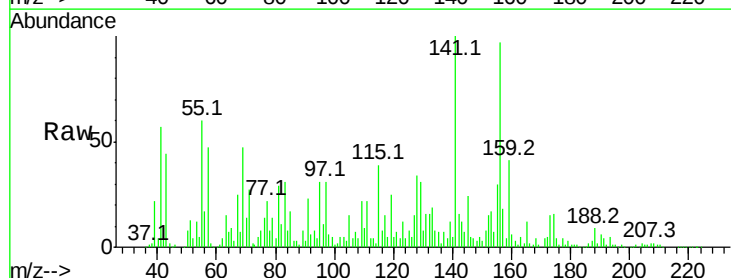
Instrument :
BNA_F
ClientSampleId :
HY-SB419AMSD

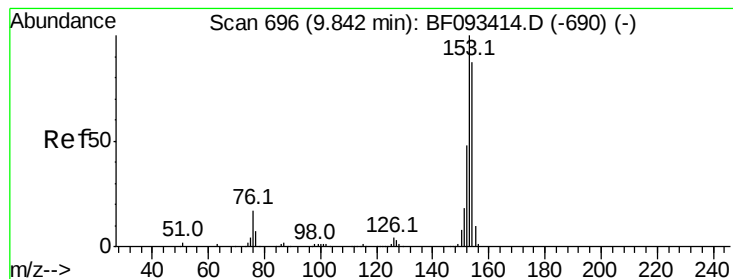
Tot Ion:163 Resp: 220417
Ion Ratio Lower Upper
163 100
194 27.8 3.0 4.4#
164 14.1 8.0 12.0#



#50
2,6-Dinitrotoluene
Concen: 57.44 ng
RT: 9.61 min Scan# 676
Delta R.T. 0.05 min
Lab File: BF093584.D
Acq: 11 Mar 2017 23:00

Tgt Ion:165 Resp: 99325
Ion Ratio Lower Upper
165 100
63 124.0 36.2 54.4#
89 70.8 40.2 60.4#





#51

Acenaphthene

Concen: 66.04 ng

RT: 9.84 min Scan# 696

Delta R.T. 0.05 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

Instrument :

BNA_F

ClientSampleId :

HY-SB419AMSD

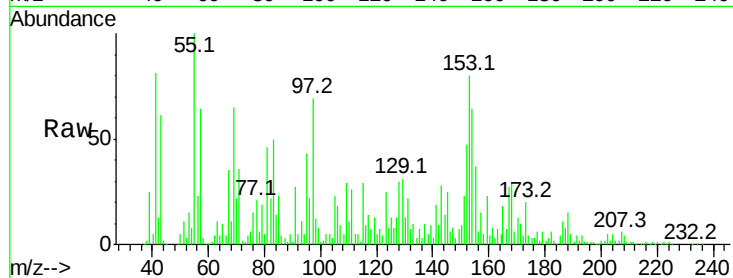
Tot Ion:154 Resp: 426903

Ion Ratio Lower Upper

154 100

153 125.7 88.6 133.0

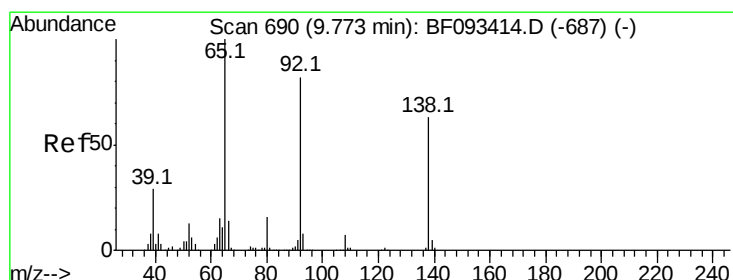
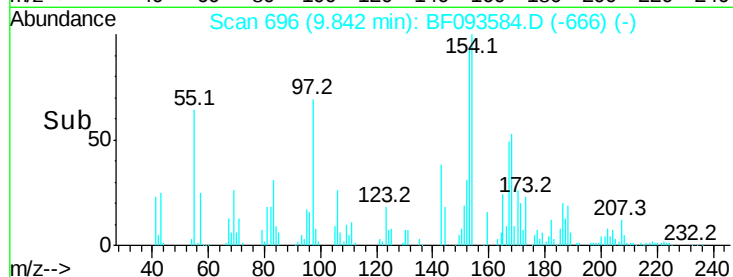
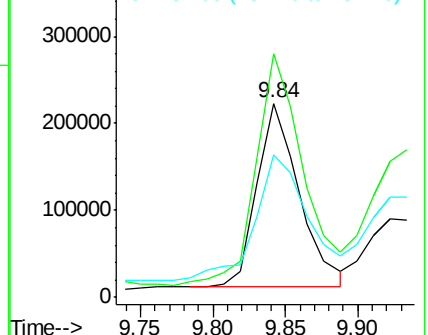
152 73.3 41.6 62.4#



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: 44.95 ng

RT: 9.76 min Scan# 689

Delta R.T. 0.02 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

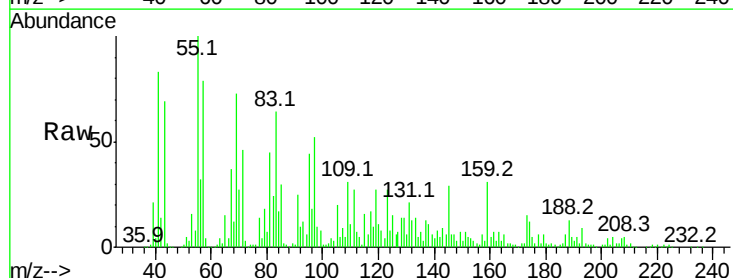
Tgt Ion:138 Resp: 93386

Ion Ratio Lower Upper

138 100

108 46.8 8.5 12.7#

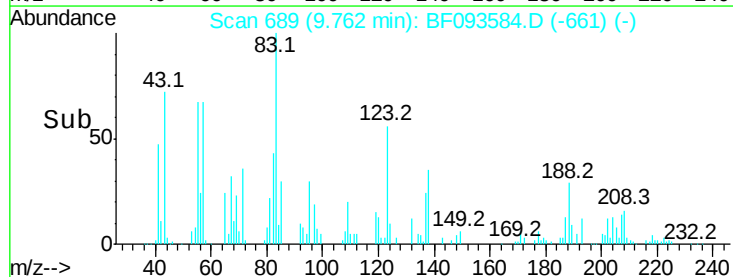
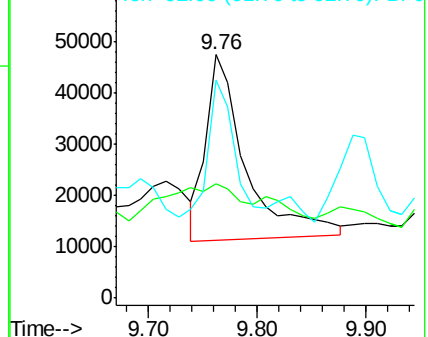
92 89.4 97.8 146.8#

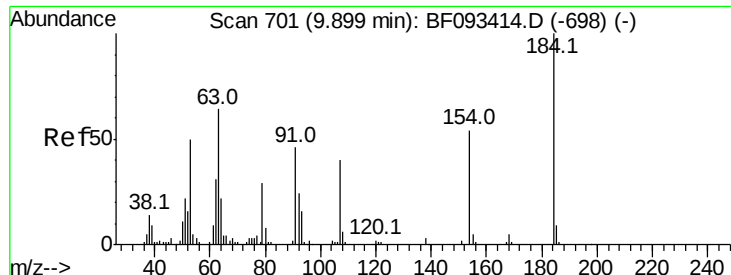


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

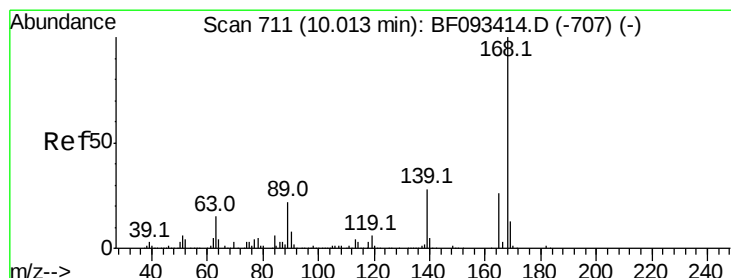
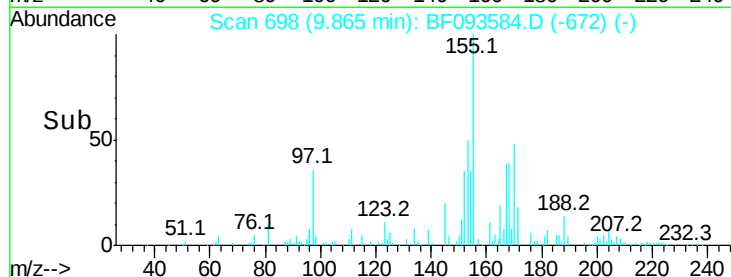
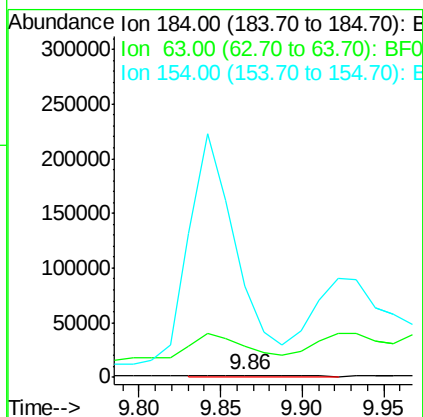
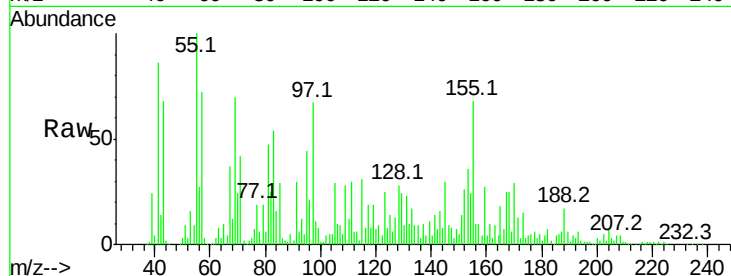




#53
2,4-Dinitrophenol
Concen: 2.84 na
RT: 9.86 min Scan# 698
Delta R.T. -0.00 min
Lab File: BF093584.D
Acq: 11 Mar 2017 23:00

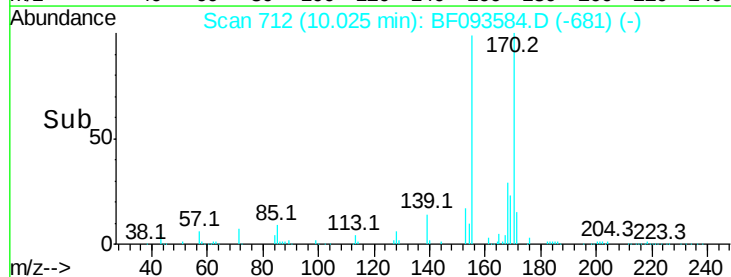
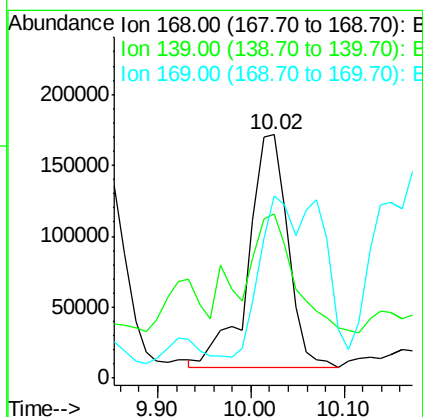
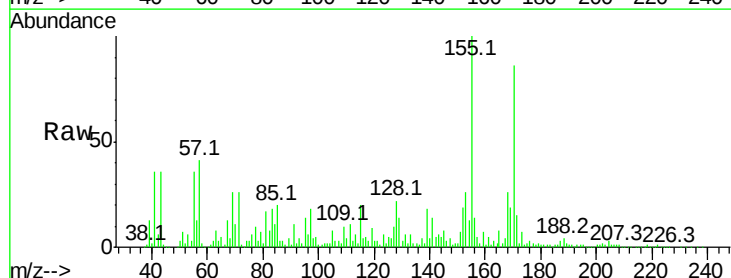
Instrument :
BNA_F
ClientSampleId :
HY-SB419AMSD

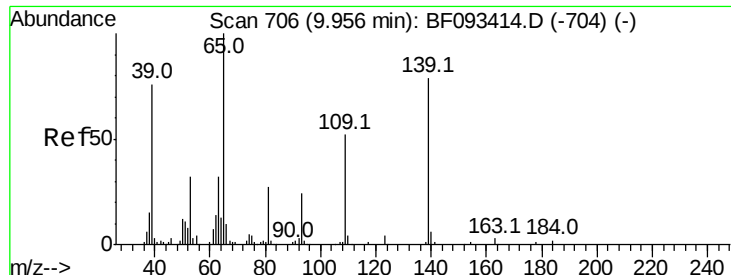
Tot Ion:184 Resp: 2236
Ion Ratio Lower Upper
184 100
63 1824.5 28.4 42.6#
154 5384.2 44.3 66.5#



#54
Dibenzofuran
Concen: 59.73 ng
RT: 10.02 min Scan# 712
Delta R.T. 0.06 min
Lab File: BF093584.D
Acq: 11 Mar 2017 23:00

Tgt Ion:168 Resp: 483246
Ion Ratio Lower Upper
168 100
139 67.4 32.6 49.0#
169 74.7 11.3 16.9#

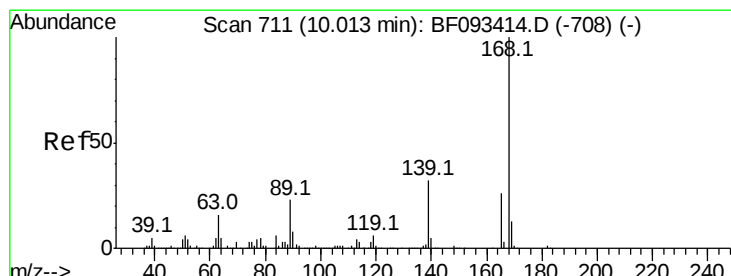
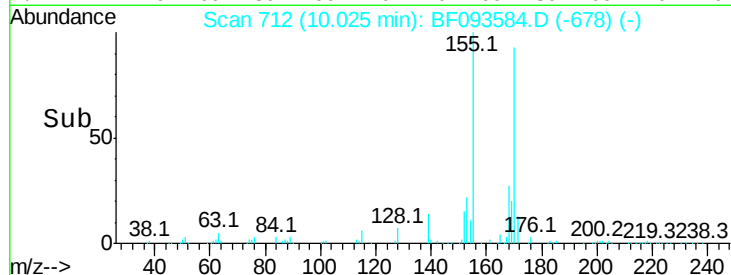
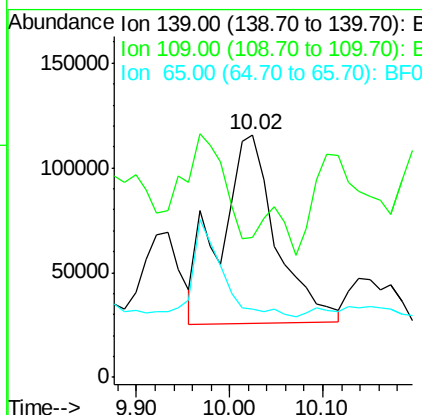
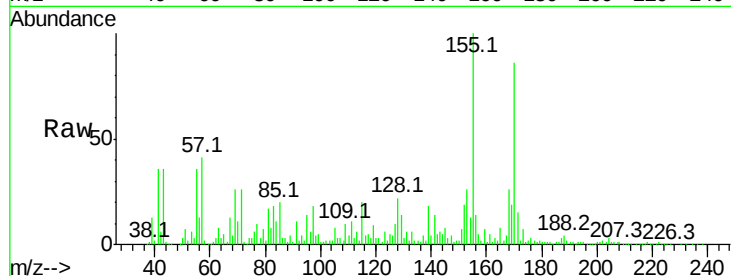




#55
4-Nitrophenol
Concen: 374.03 ng
RT: 10.02 min Scan# 712
Delta R.T. 0.09 min
Lab File: BF093584.D
Acq: 11 Mar 2017 23:00

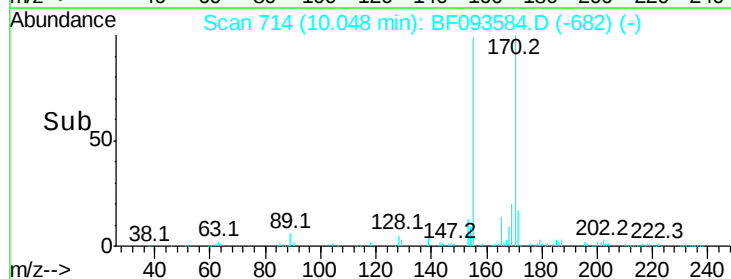
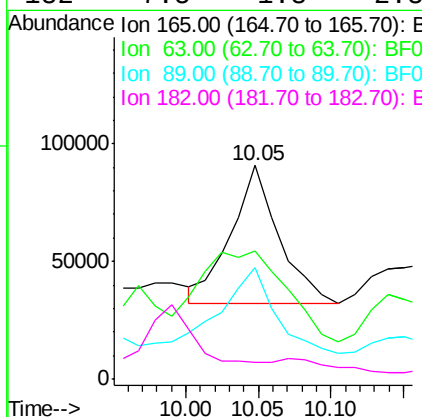
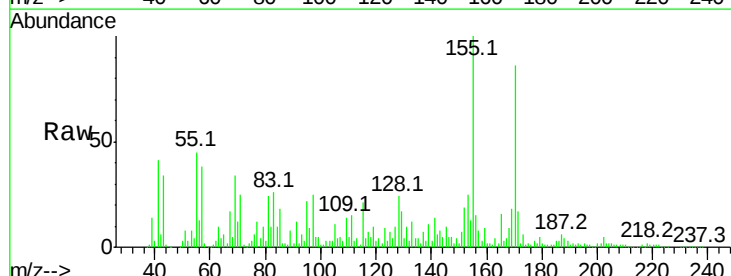
Instrument :
BNA_F
ClientSampleId :
HY-SB419AMSD

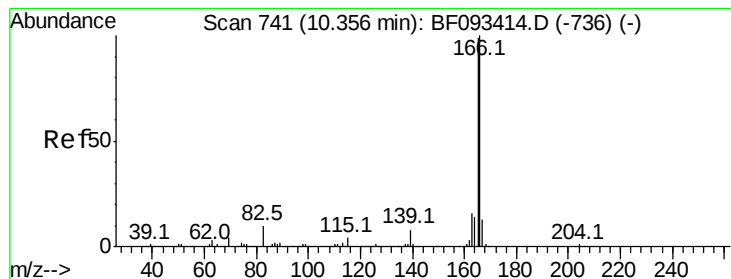
Tot Ion:139 Resp: 377399
Ion Ratio Lower Upper
139 100
109 57.6 52.2 92.2
65 28.3 85.8 125.8#



#56
2,4-Dinitrotoluene
Concen: 62.81 ng
RT: 10.05 min Scan# 714
Delta R.T. 0.07 min
Lab File: BF093584.D
Acq: 11 Mar 2017 23:00

Tgt Ion:165 Resp: 133419
Ion Ratio Lower Upper
165 100
63 59.7 40.2 60.4
89 52.4 62.5 93.7#
182 7.5 1.8 2.8#





#57

Fluorene

Concen: 85.22 ng

RT: 10.37 min Scan# 742

Delta R.T. 0.06 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

Instrument :

BNA_F

ClientSampleId :

HY-SB419AMSD

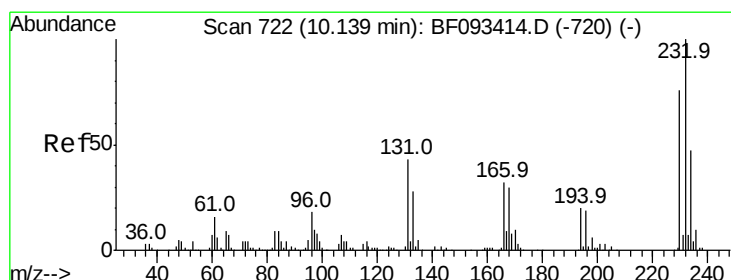
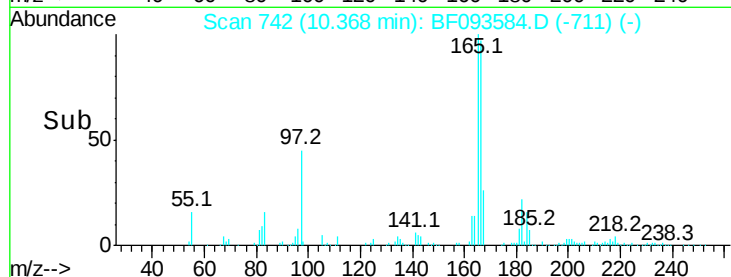
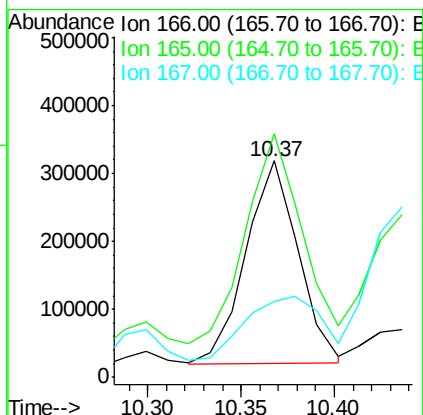
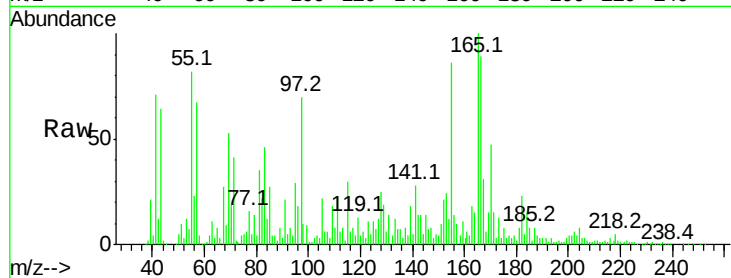
Tot Ion:166 Resp: 584256

Ion Ratio Lower Upper

166 100

165 112.4 77.8 116.8

167 34.8 10.8 16.2#



#58

2,3,4,6-Tetrachlorophenol

Concen: 28.08 ng

RT: 10.16 min Scan# 724

Delta R.T. 0.07 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

Tgt Ion:232 Resp: 43116

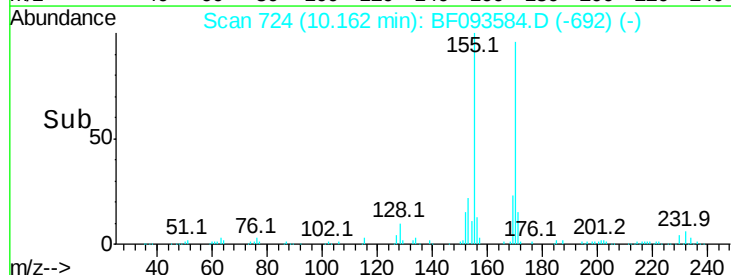
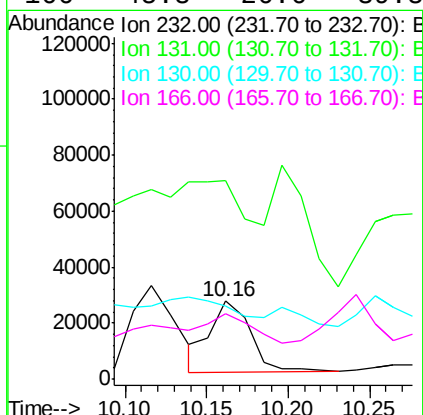
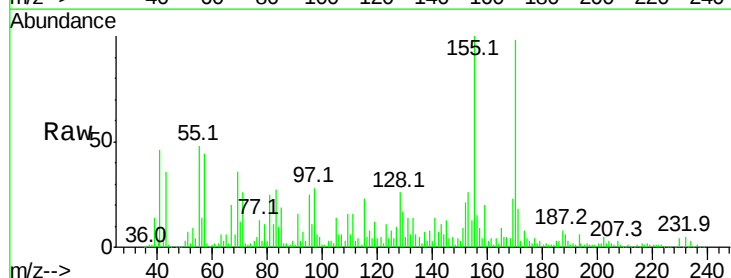
Ion Ratio Lower Upper

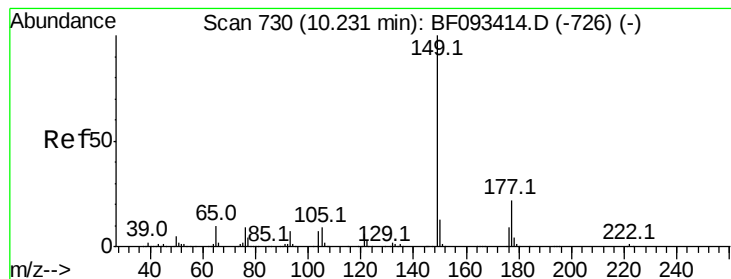
232 100

131 404.5 40.1 60.1#

130 0.0 1.8 2.8#

166 45.8 26.6 39.8#





#59

Diethylphthalate

Concen: 36.02 ng

RT: 10.23 min Scan# 730

Delta R.T. 0.05 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

Instrument :

BNA_F

ClientSampleId :

HY-SB419AMSD

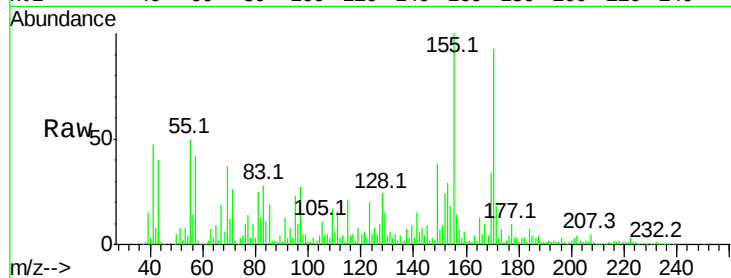
Tot Ion:149 Resp: 271244

Ion Ratio Lower Upper

149 100

177 26.9 16.6 25.0#

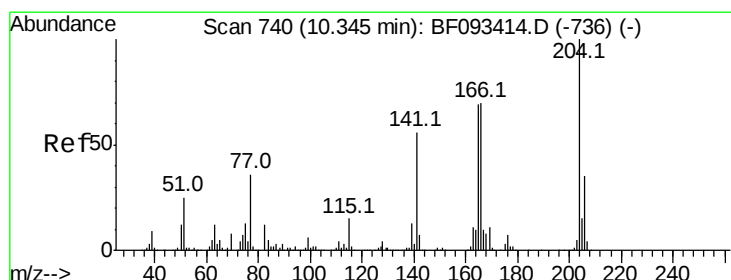
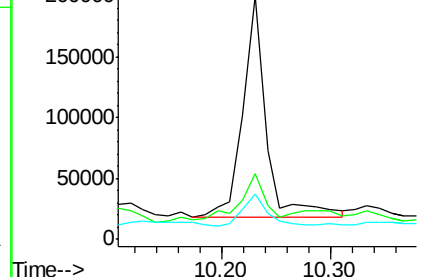
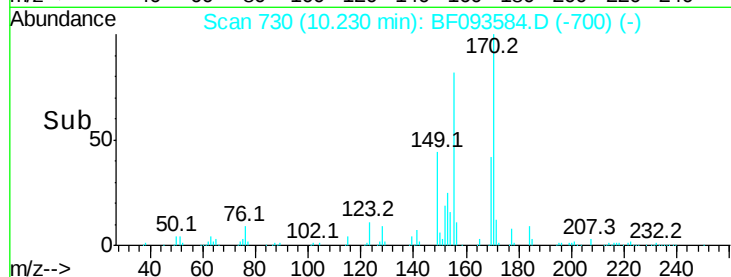
150 18.7 10.4 15.6#



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: 41.39 ng

RT: 10.36 min Scan# 741

Delta R.T. 0.06 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

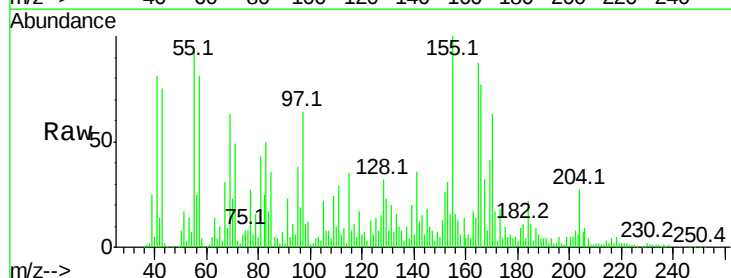
Tgt Ion:204 Resp: 127199

Ion Ratio Lower Upper

204 100

206 35.5 25.8 38.6

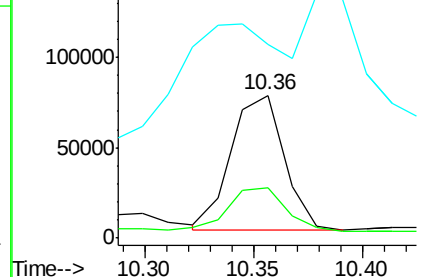
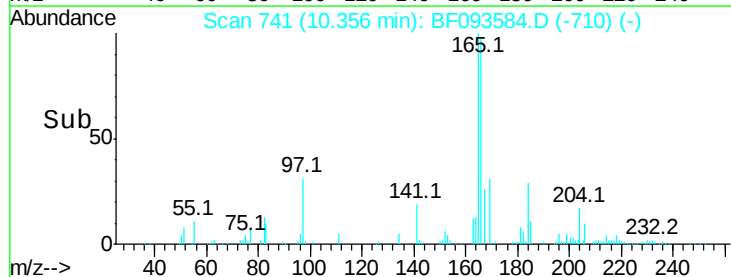
141 136.0 59.4 89.0#

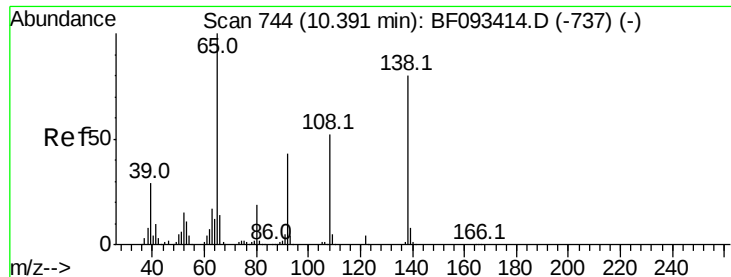


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

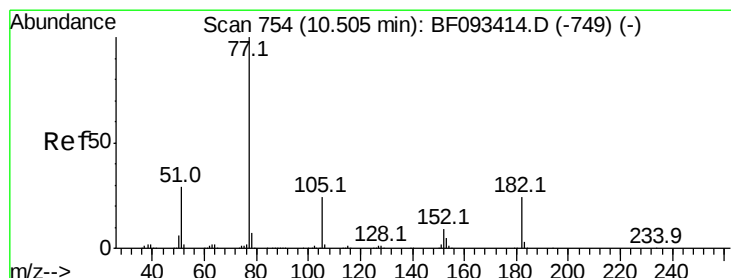
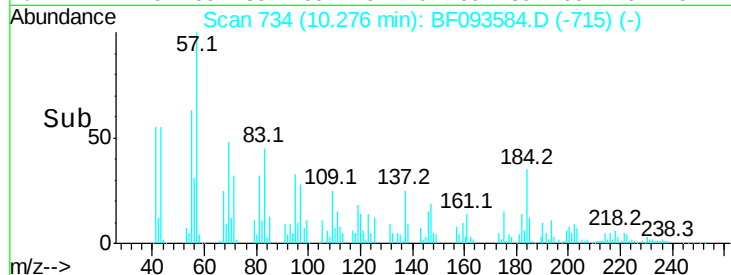
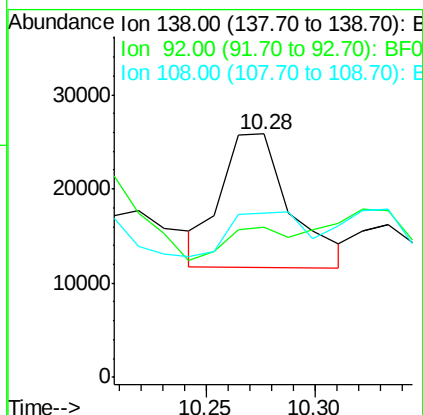
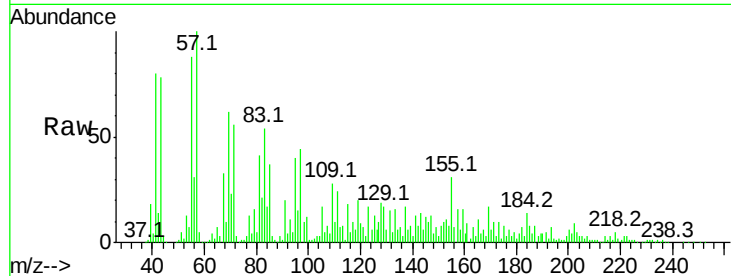




#61
4-Nitroaniline
Concen: 14.86 ng
RT: 10.28 min Scan# 734
Delta R.T. -0.08 min
Lab File: BF093584.D
Acq: 11 Mar 2017 23:00

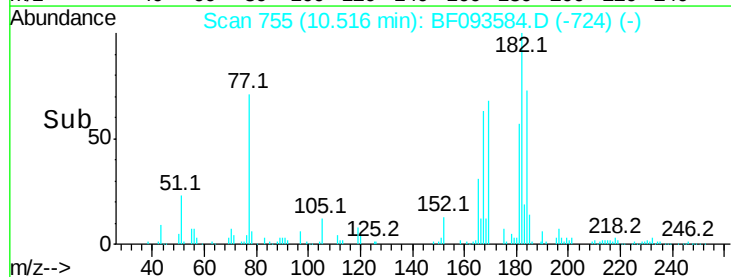
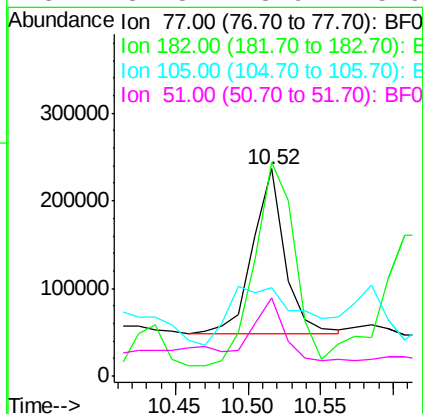
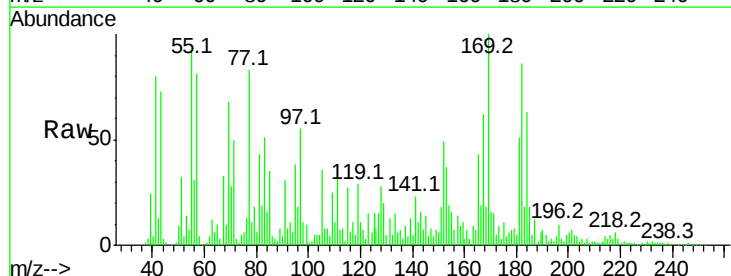
Instrument :
BNA_F
ClientSampleId :
HY-SB419AMSD

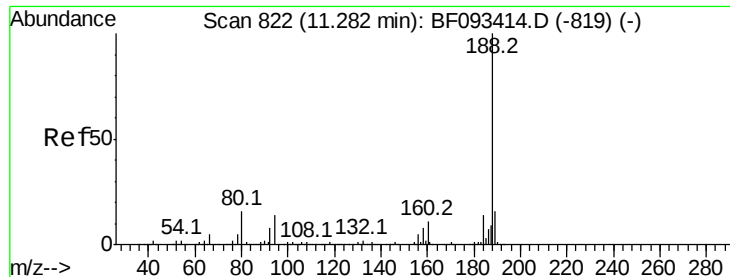
Tot Ion:138 Resp: 31581
Ion Ratio Lower Upper
138 100
92 61.8 31.7 71.7
108 67.6 52.6 92.6



#62
Azobenzene
Concen: 33.66 ng
RT: 10.52 min Scan# 755
Delta R.T. 0.06 min
Lab File: BF093584.D
Acq: 11 Mar 2017 23:00

Tgt Ion: 77 Resp: 288087
Ion Ratio Lower Upper
77 100
182 103.1 0.0 39.3#
105 42.8 2.3 42.3#
51 37.8 8.9 48.9





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.29 min Scan# 823

Delta R.T. 0.05 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

Instrument :

BNA_F

ClientSampleId :

HY-SB419AMSD

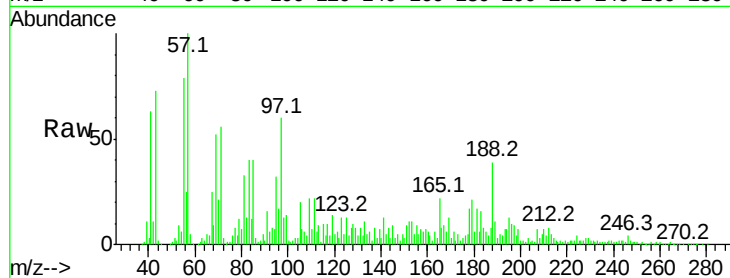
Tot Ion:188 Resp: 212896

Ion Ratio Lower Upper

188 100

94 18.4 10.0 15.0#

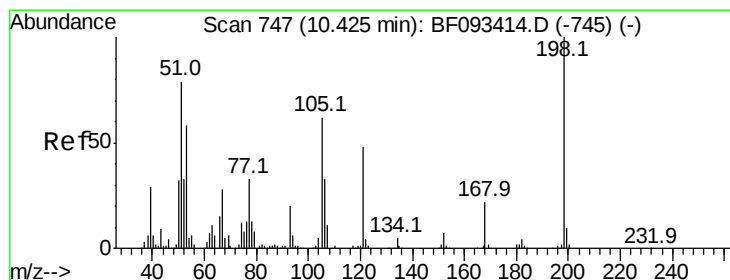
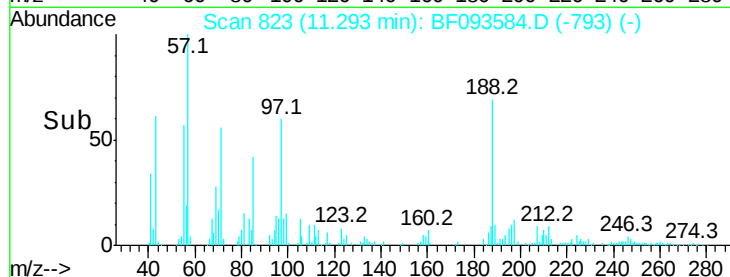
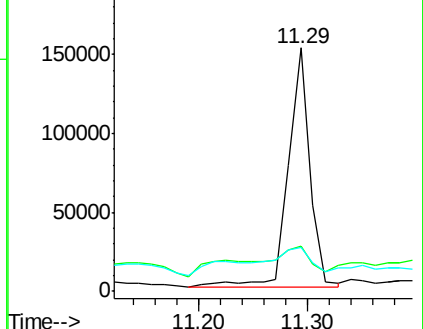
80 18.2 11.2 16.8#



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: 5.76 ng

RT: 10.46 min Scan# 750

Delta R.T. 0.07 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

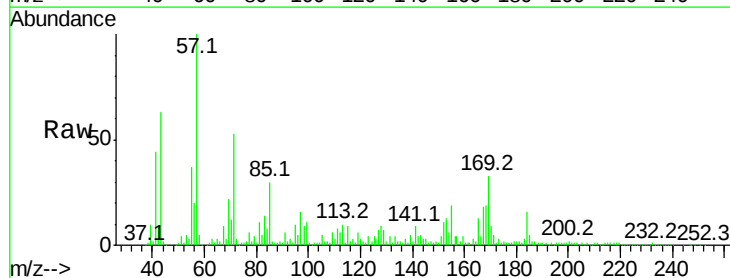
Tgt Ion:198 Resp: 7941

Ion Ratio Lower Upper

198 100

51 543.2 6.7 46.7#

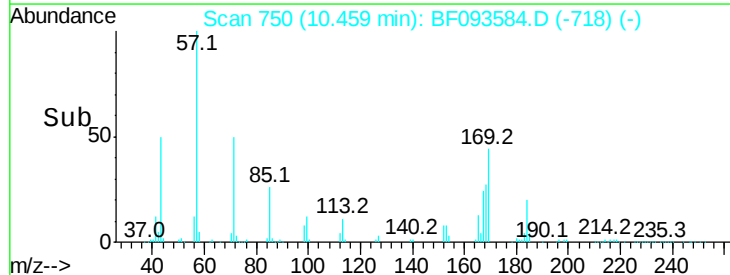
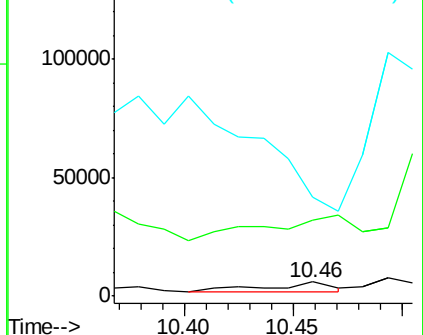
105 707.1 16.6 56.6#

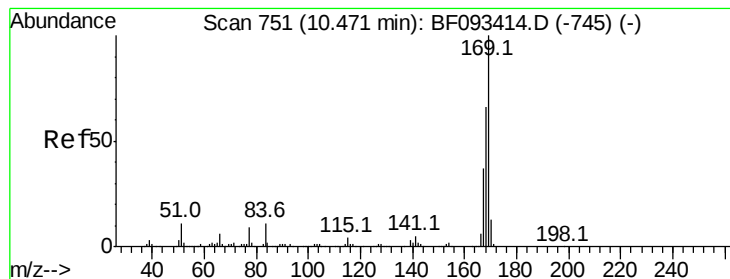


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 67.28 ng

RT: 10.41 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

Instrument :

BNA_F

ClientSampleId :

HY-SB419AMSD

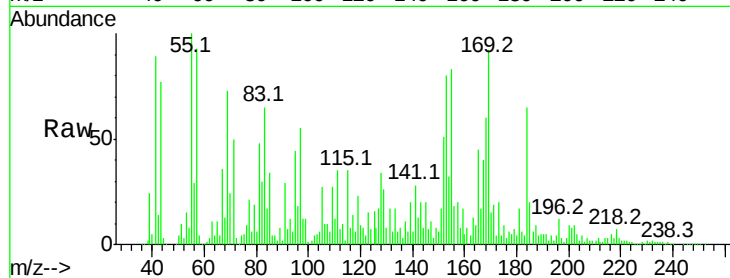
Tot Ion:169 Resp: 478310

Ion Ratio Lower Upper

169 100

168 65.8 54.2 81.2

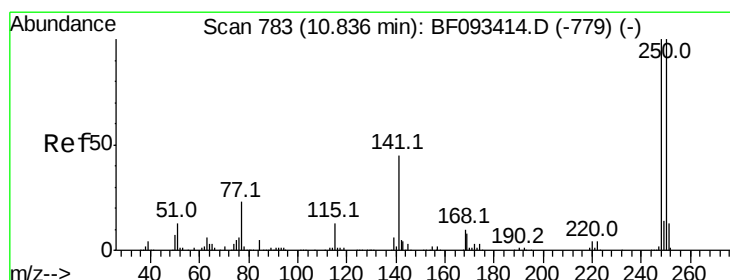
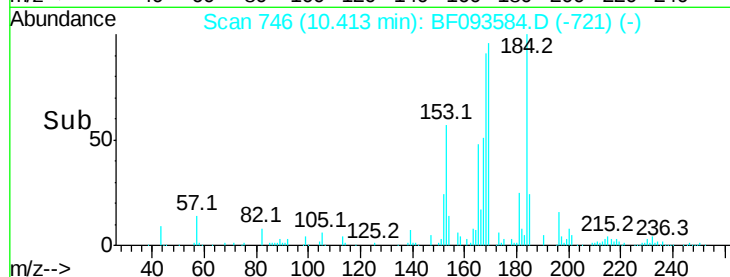
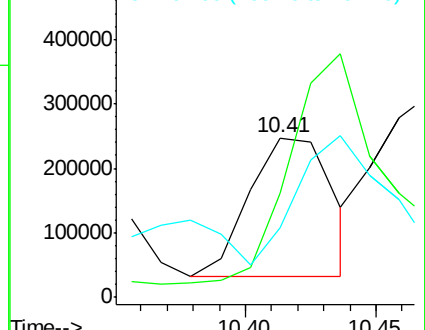
167 43.4 30.2 45.4



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: 42.81 ng

RT: 10.84 min Scan# 783

Delta R.T. 0.05 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

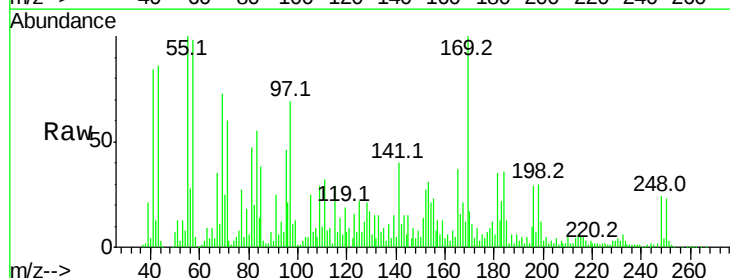
Tgt Ion:248 Resp: 96379

Ion Ratio Lower Upper

248 100

250 95.8 76.9 115.3

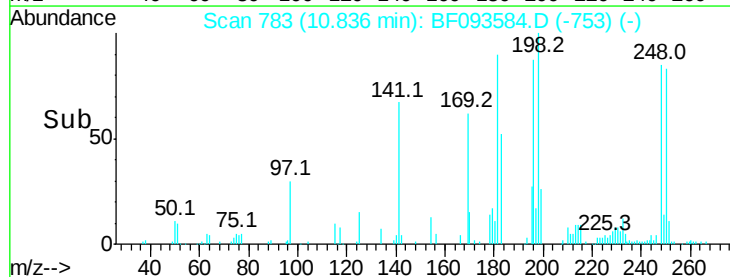
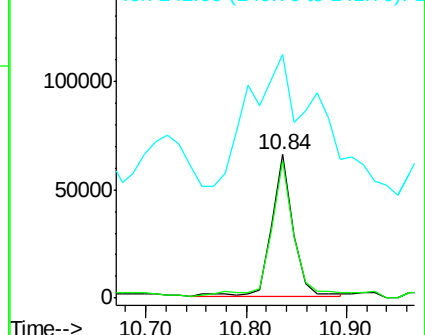
141 169.9 68.2 102.4#

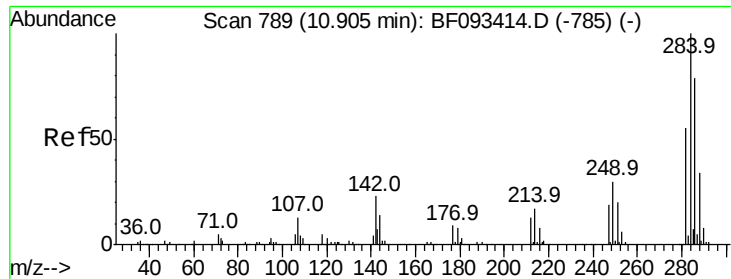


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

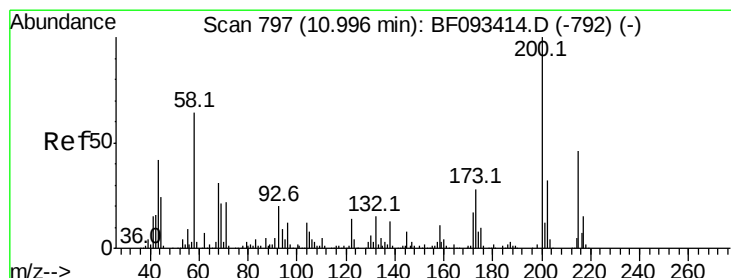
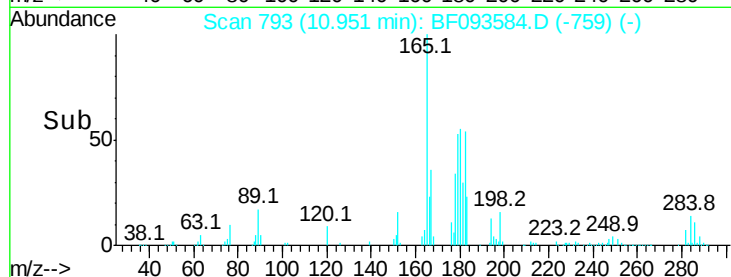
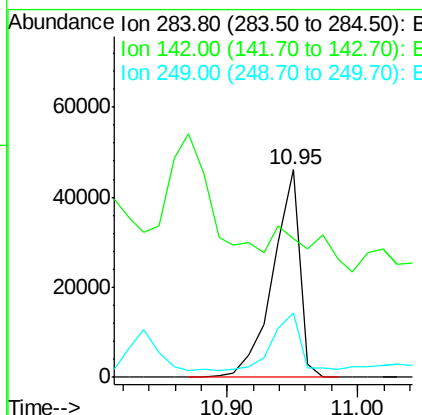
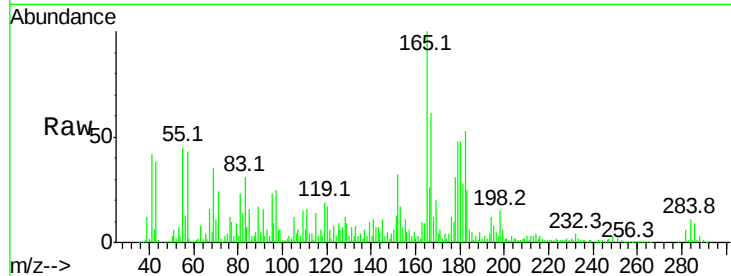




#67
Hexachlorobenzene
Concen: 30.97 ng
RT: 10.95 min Scan# 793
Delta R.T. 0.09 min
Lab File: BF093584.D
Acq: 11 Mar 2017 23:00

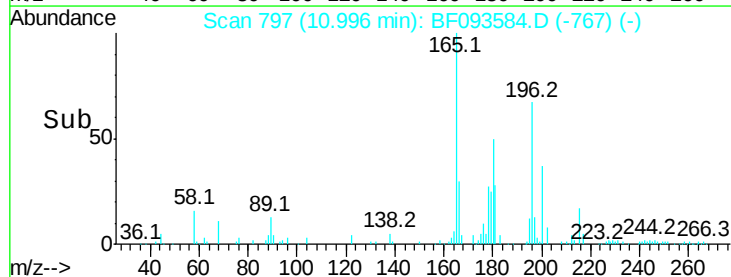
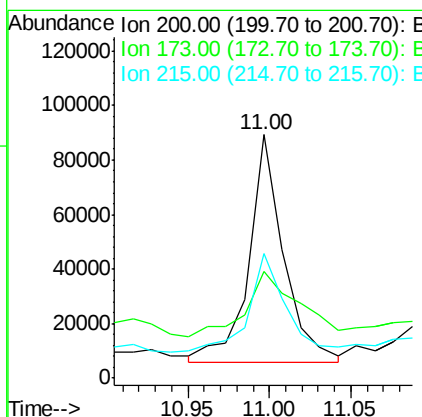
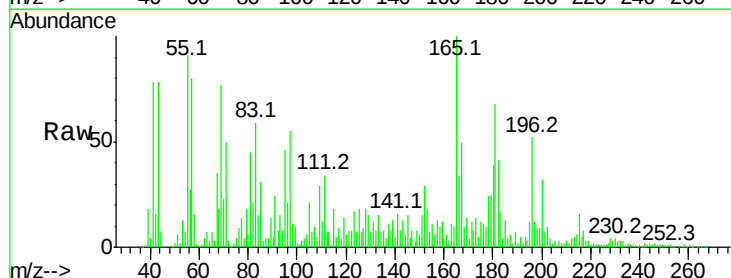
Instrument :
BNA_F
ClientSampleId :
HY-SB419AMSD

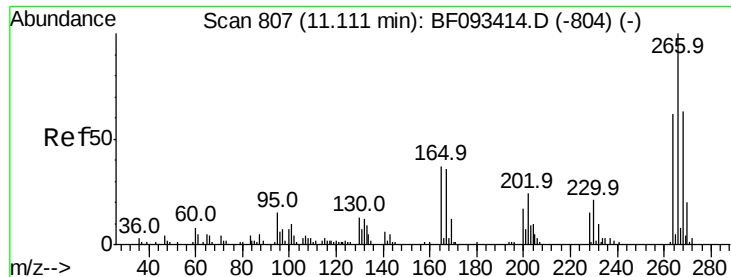
Tot Ion:284 Resp: 66577
Ion Ratio Lower Upper
284 100
142 67.1 22.6 33.8#
249 30.9 25.4 38.0



#68
Atrazine
Concen: 59.61 ng
RT: 11.00 min Scan# 797
Delta R.T. 0.05 min
Lab File: BF093584.D
Acq: 11 Mar 2017 23:00

Tgt Ion:200 Resp: 124022
Ion Ratio Lower Upper
200 100
173 43.7 9.6 49.6
215 51.2 25.7 65.7

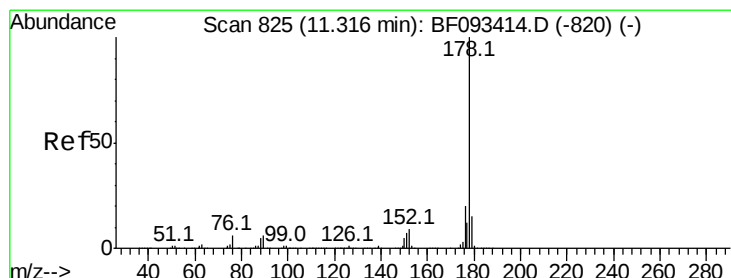
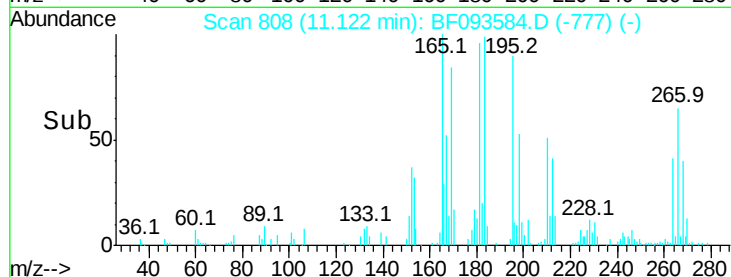
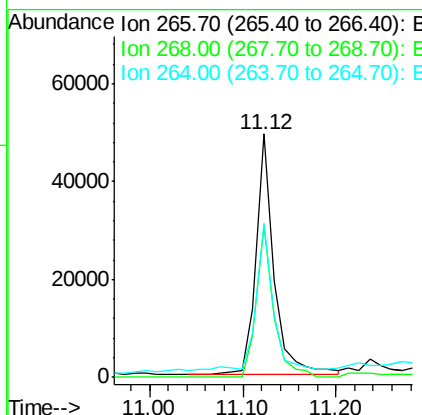
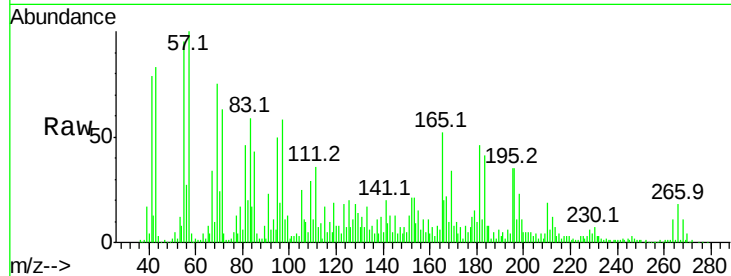




#69
 Pentachlorophenol
 Concen: 86.96 ng
 RT: 11.12 min Scan# 808
 Delta R.T. 0.06 min
 Lab File: BF093584.D
 Acq: 11 Mar 2017 23:00

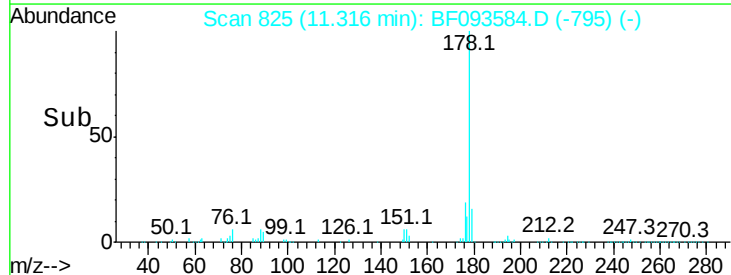
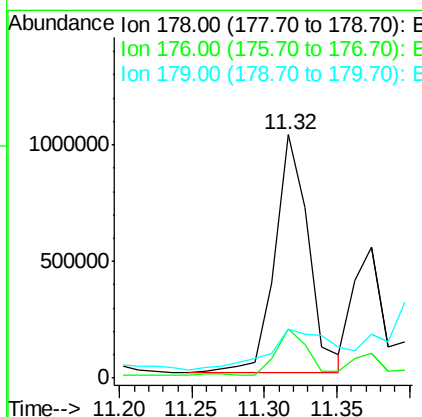
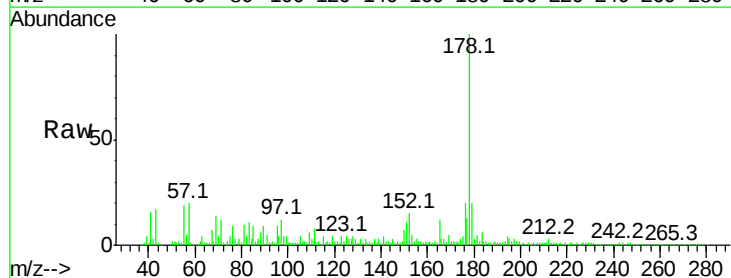
Instrument :
 BNA_F
 ClientSampleId :
 HY-SB419AMSD

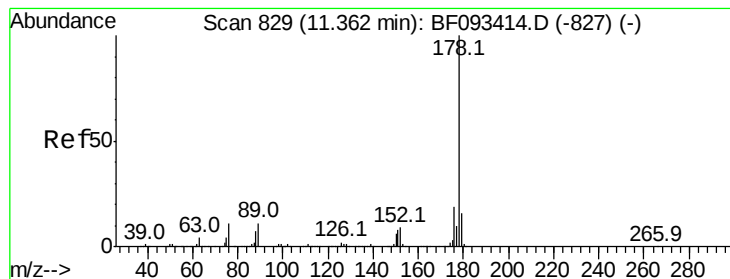
Tot Ion:266 Resp: 64540
 Ion Ratio Lower Upper
 266 100
 268 62.0 53.3 79.9
 264 63.3 50.3 75.5



#70
 Phenanthrene
 Concen: 135.57 ng
 RT: 11.32 min Scan# 825
 Delta R.T. 0.05 min
 Lab File: BF093584.D
 Acq: 11 Mar 2017 23:00

Tgt Ion:178 Resp: 1647496
 Ion Ratio Lower Upper
 178 100
 176 20.1 16.6 25.0
 179 20.1 12.8 19.2#





#71

Anthracene

Concen: 47.87 ng

RT: 11.37 min Scan# 830

Delta R.T. 0.06 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

Instrument :

BNA_F

ClientSampleId :

HY-SB419AMSD

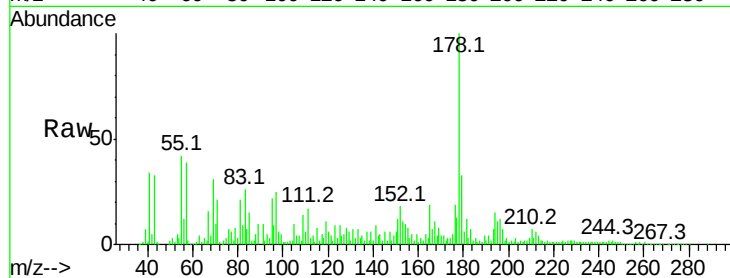
Tot Ion:178 Resp: 588472

Ion Ratio Lower Upper

178 100

176 19.1 15.9 23.9

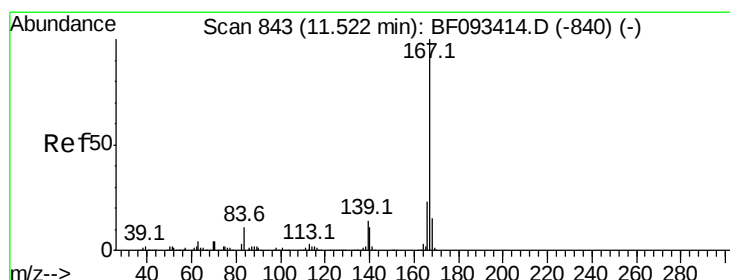
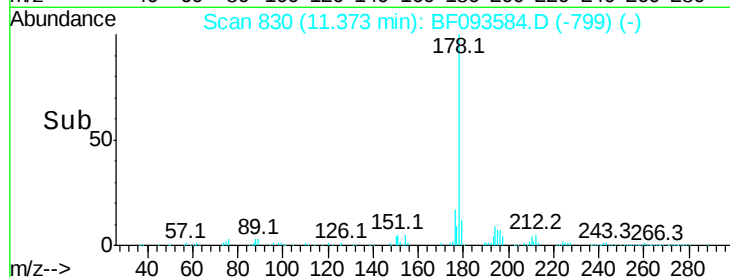
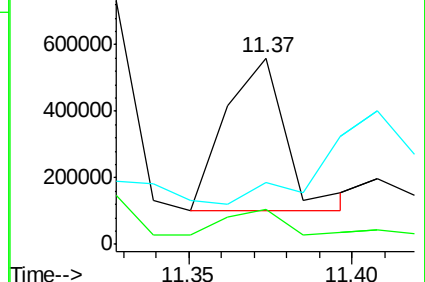
179 33.3 13.2 19.8#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 35.19 ng

RT: 11.52 min Scan# 843

Delta R.T. 0.03 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

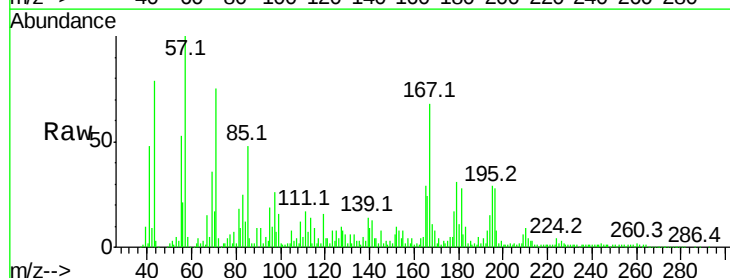
Tgt Ion:167 Resp: 406395

Ion Ratio Lower Upper

167 100

166 34.9 18.2 27.2#

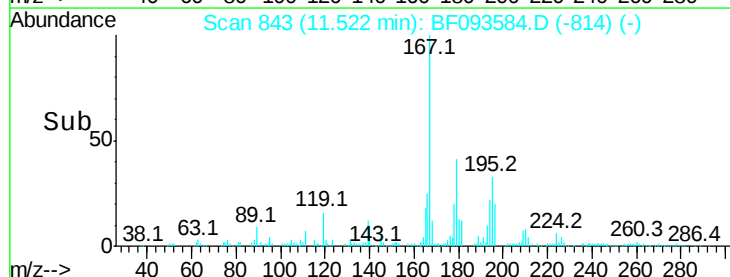
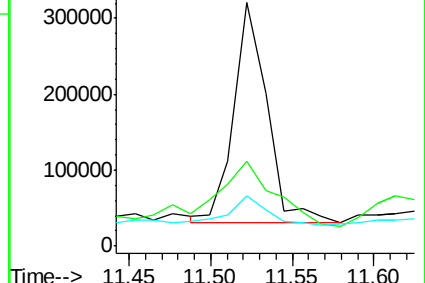
139 20.4 11.4 17.2#

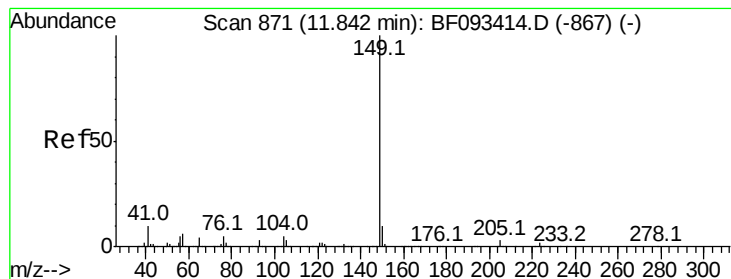


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 50.88 ng

RT: 11.83 min Scan# 870

Delta R.T. 0.02 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

Instrument :

BNA_F

ClientSampleId :

HY-SB419AMSD

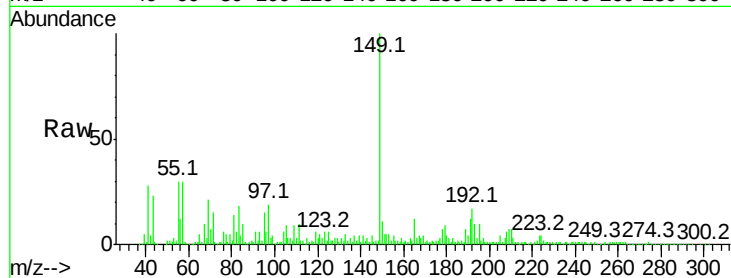
Tot Ion:149 Resp: 679721

Ion Ratio Lower Upper

149 100

150 10.9 8.1 12.1

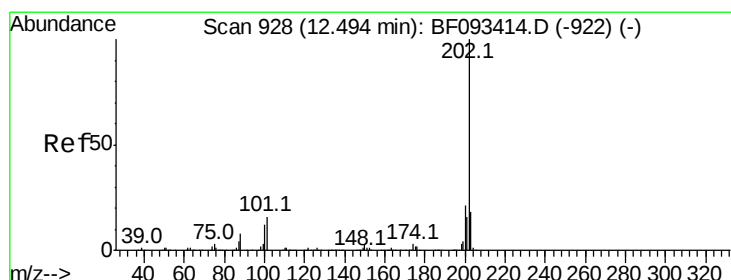
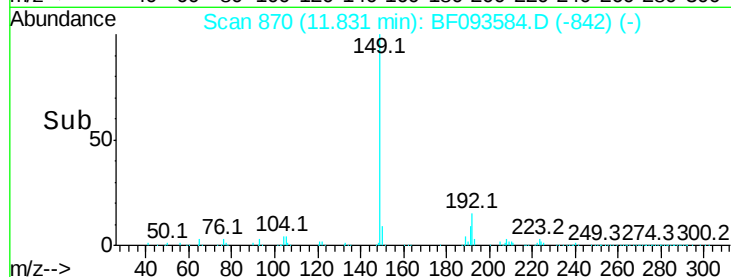
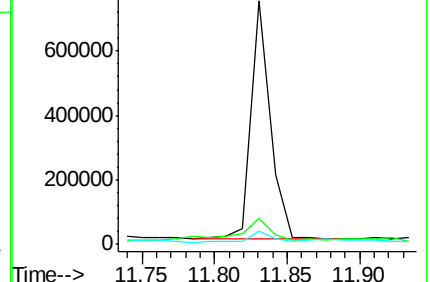
104 5.6 4.6 7.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 72.08 ng

RT: 12.48 min Scan# 927

Delta R.T. 0.02 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

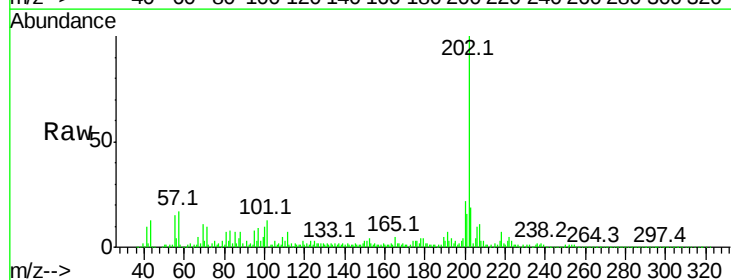
Tgt Ion:202 Resp: 846034

Ion Ratio Lower Upper

202 100

101 13.4 0.0 34.6

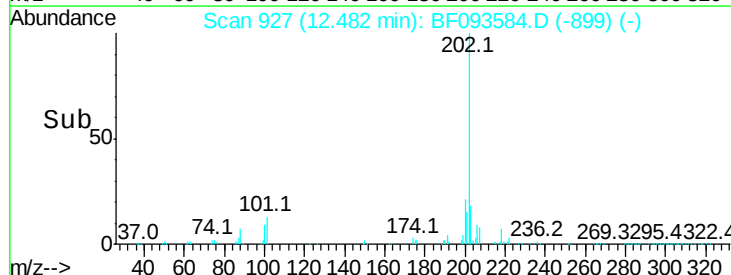
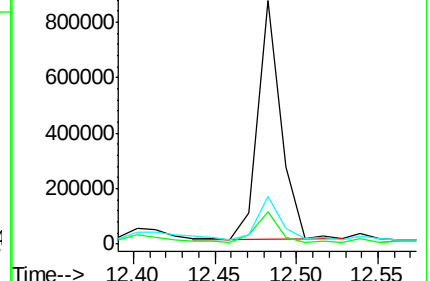
203 19.4 0.0 38.7

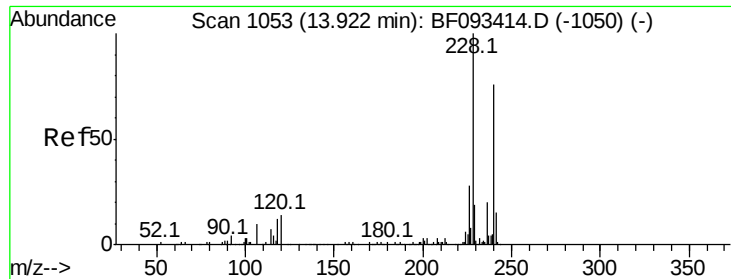


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.89 min Scan# 1050

Delta R.T. -0.00 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

Instrument :

BNA_F

ClientSampleId :

HY-SB419AMSD

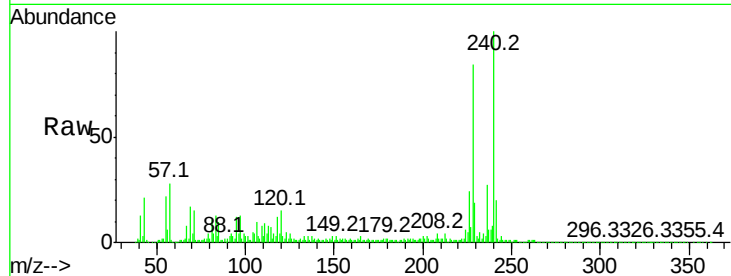
Tot Ion:240 Resp: 319811

Ion Ratio Lower Upper

240 100

120 15.0 12.9 19.3

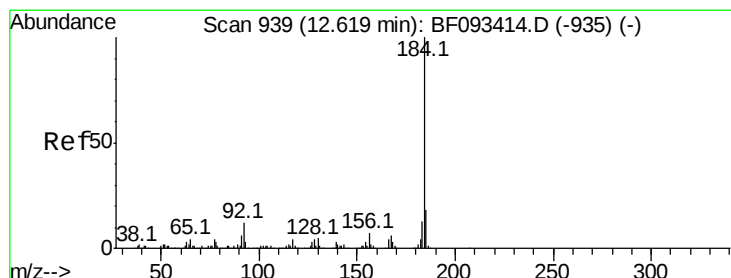
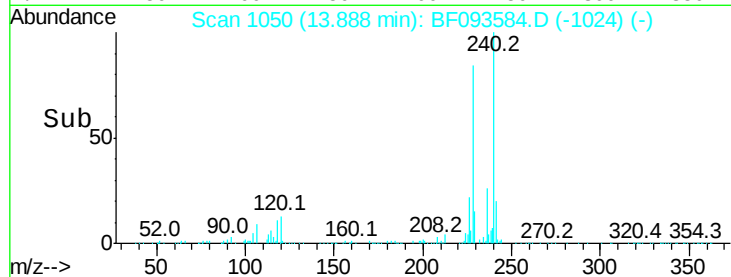
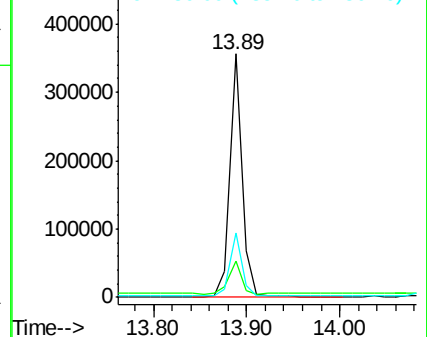
236 26.6 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 6.80 ng

RT: 12.61 min Scan# 938

Delta R.T. 0.02 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

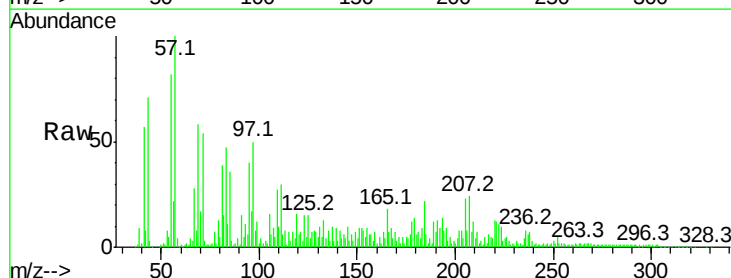
Tgt Ion:184 Resp: 71562

Ion Ratio Lower Upper

184 100

185 28.7 13.4 20.0#

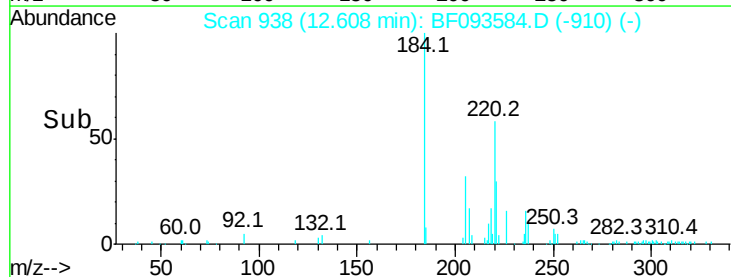
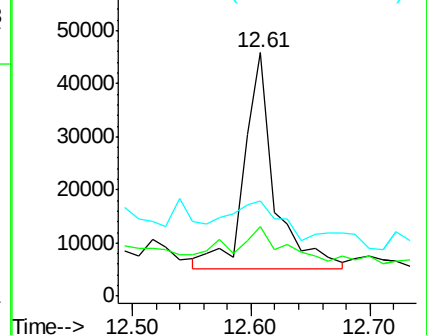
183 38.8 9.2 13.8#

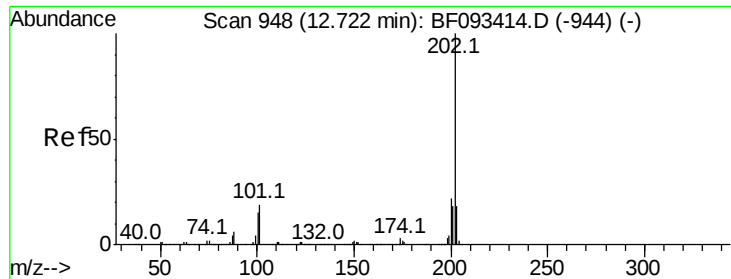


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 49.71 ng

RT: 12.71 min Scan# 947

Delta R.T. 0.03 min

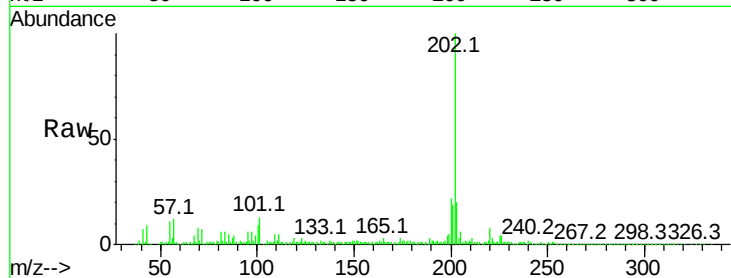
Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

Instrument :
BNA_F
ClientSampleId :
HY-SB419AMSD

Tot Ion:202 Resp: 1156225

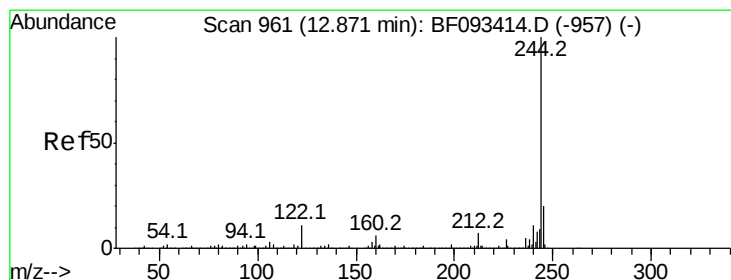
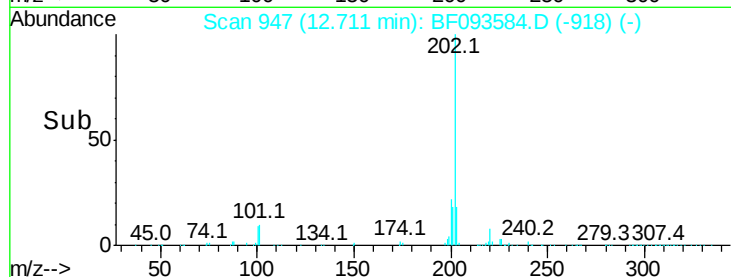
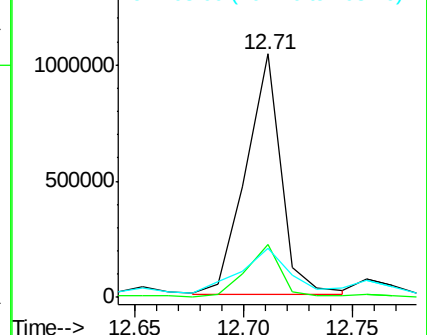
Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.7	26.5
203	20.4	14.7	22.1



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: 67.86 ng

RT: 12.84 min Scan# 958

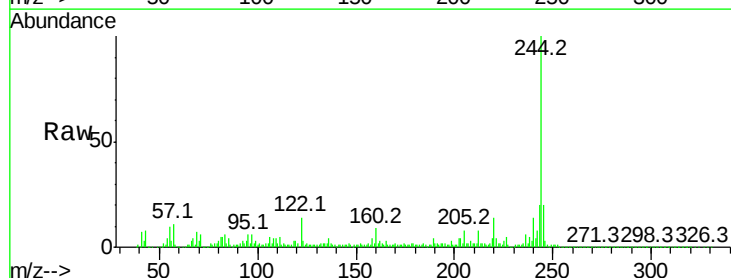
Delta R.T. 0.01 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

Tgt Ion:244 Resp: 834689

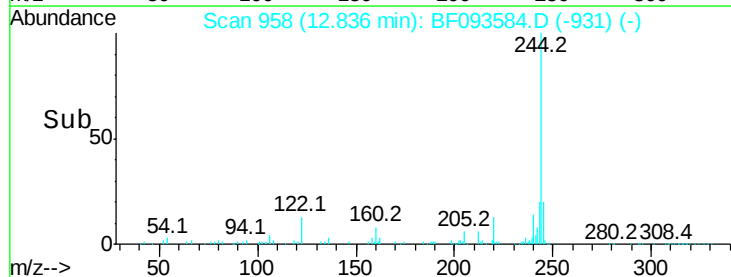
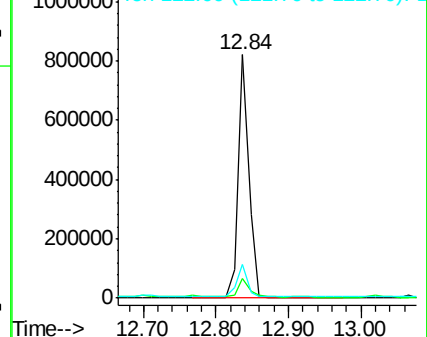
Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.2	9.2
122	13.9	11.4	17.2

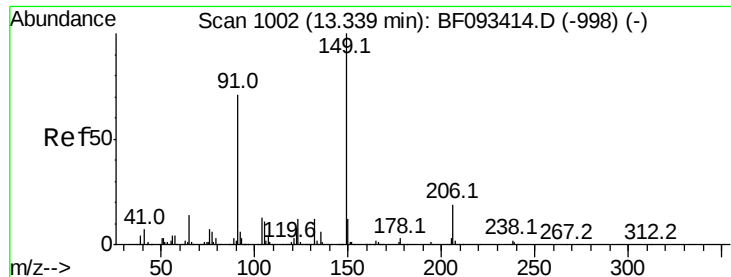


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

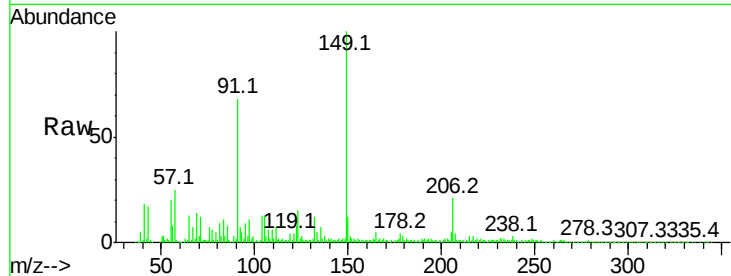




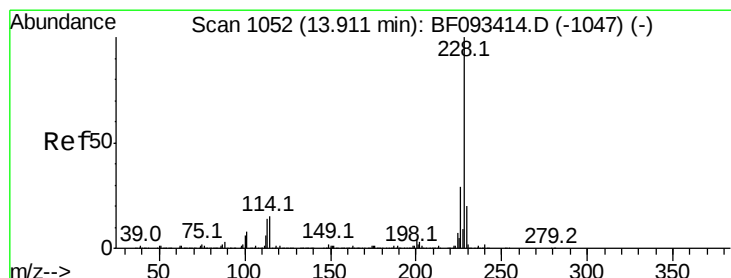
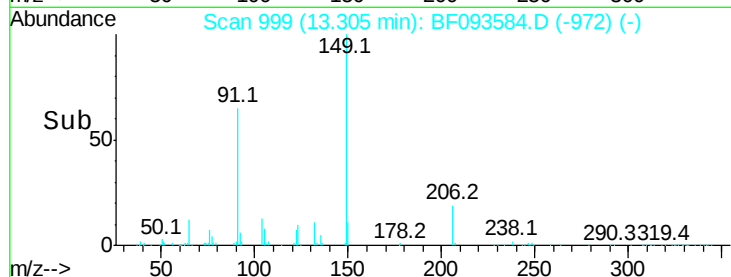
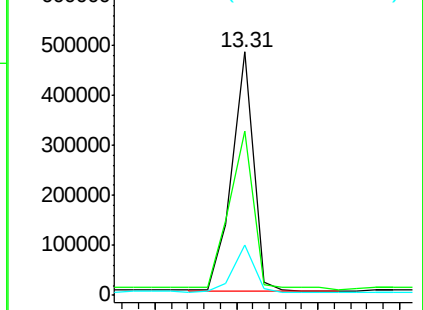
#79
Butylbenzylphthalate
Concen: 44.47 ng
RT: 13.31 min Scan# 999
Delta R.T. 0.01 min
Lab File: BF093584.D
Acq: 11 Mar 2017 23:00

Instrument :
BNA_F
ClientSampleId :
HY-SB419AMSD

Tot Ion:149 Resp: 435380
Ion Ratio Lower Upper
149 100
91 67.7 63.9 95.9
206 20.9 14.6 21.8

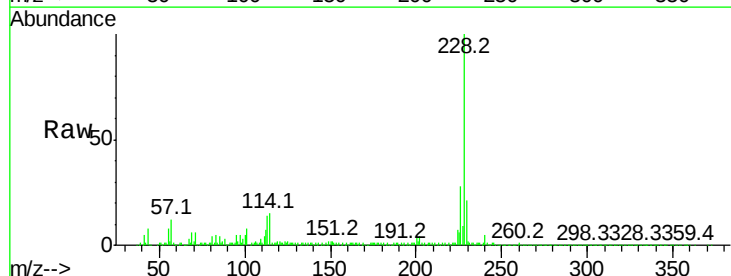


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BF0
Ion 206.00 (205.70 to 206.70): E

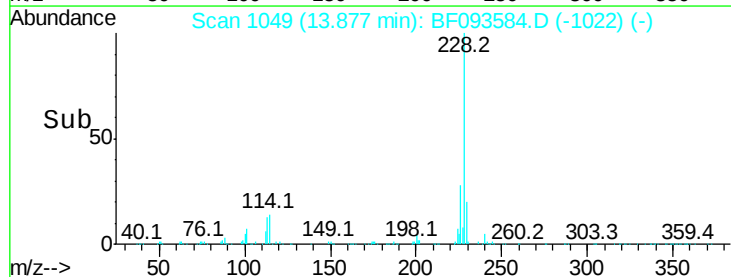
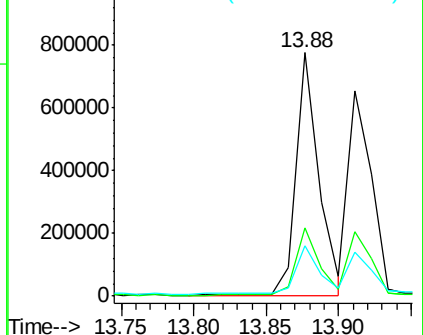


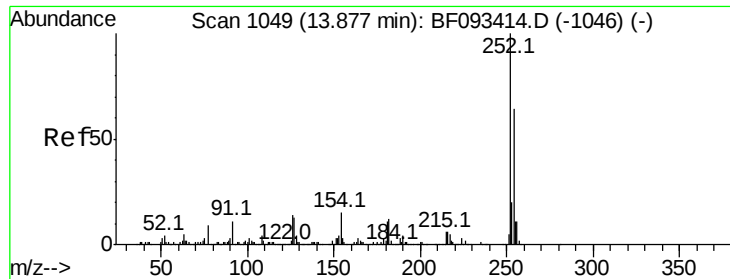
#80
Benzo(a)anthracene
Concen: 44.53 ng
RT: 13.88 min Scan# 1049
Delta R.T. 0.01 min
Lab File: BF093584.D
Acq: 11 Mar 2017 23:00

Tgt Ion:228 Resp: 841030
Ion Ratio Lower Upper
228 100
226 28.2 22.4 33.6
229 20.8 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

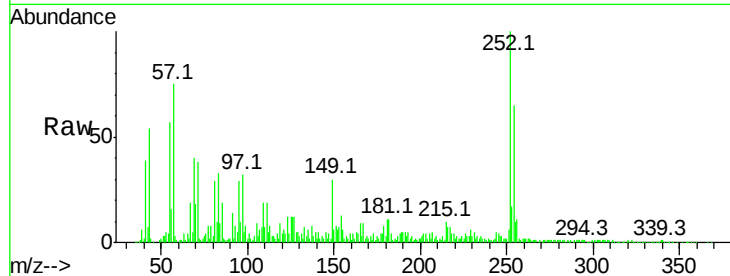




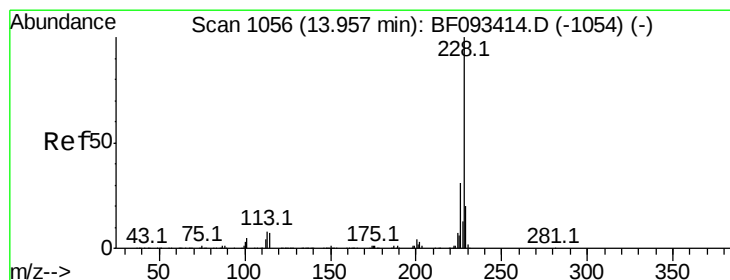
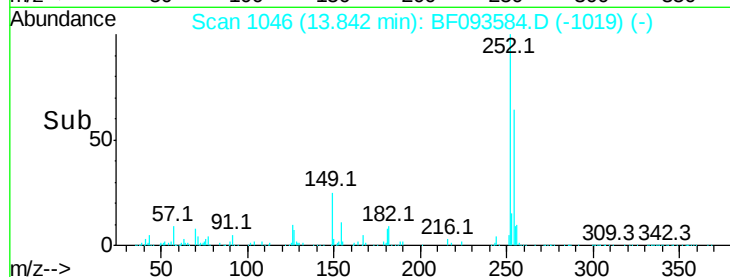
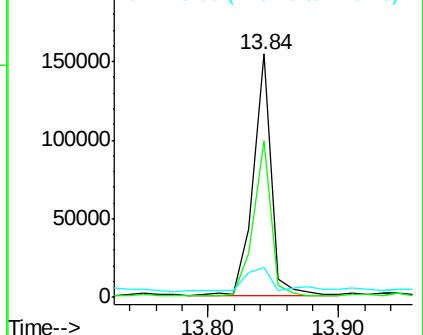
#81
 3,3'-Dichlorobenzidine
 Concen: 22.18 ng
 RT: 13.84 min Scan# 1046
 Delta R.T. 0.01 min
 Lab File: BF093584.D
 Acq: 11 Mar 2017 23:00

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB419AMSD

Tot Ion:252 Resp: 146725
 Ion Ratio Lower Upper
 252 100
 254 64.5 52.3 78.5
 126 12.4 13.6 20.4#

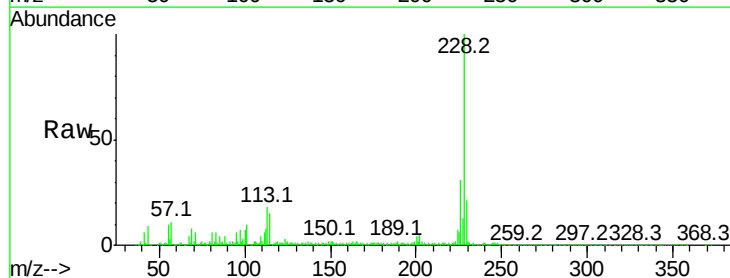


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

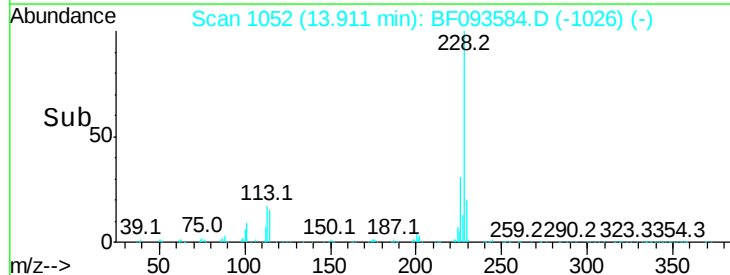
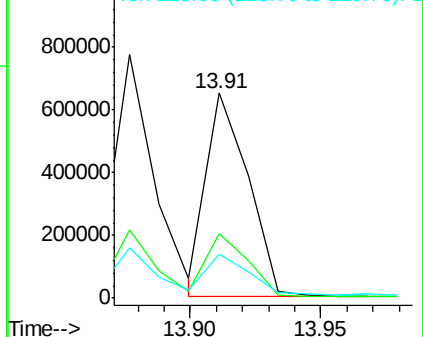


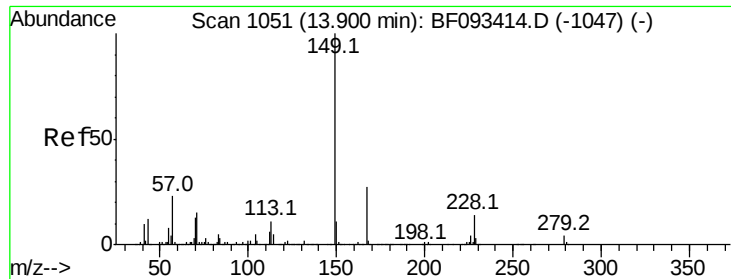
#82
 Chrysene
 Concen: 41.20 ng
 RT: 13.91 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: BF093584.D
 Acq: 11 Mar 2017 23:00

Tgt Ion:228 Resp: 719955
 Ion Ratio Lower Upper
 228 100
 226 31.2 25.4 38.0
 229 21.2 16.2 24.2



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E

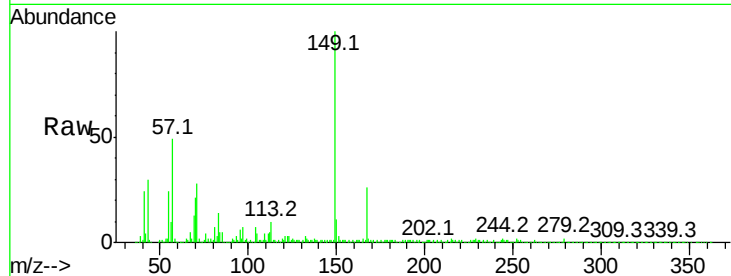




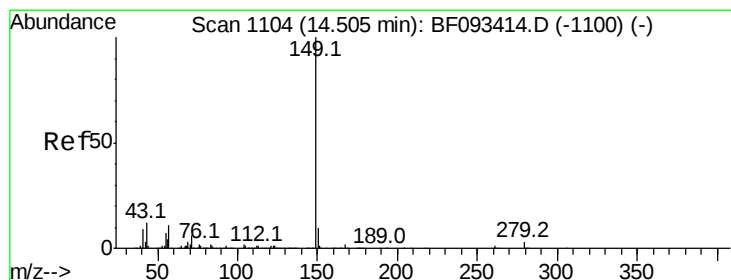
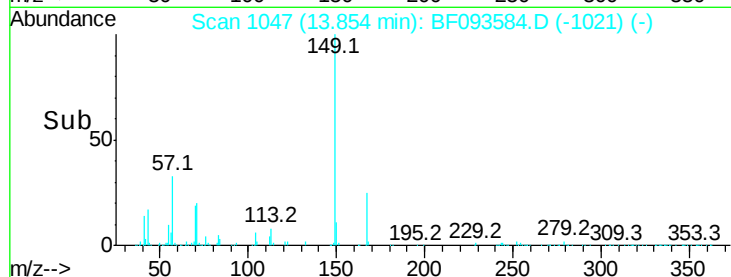
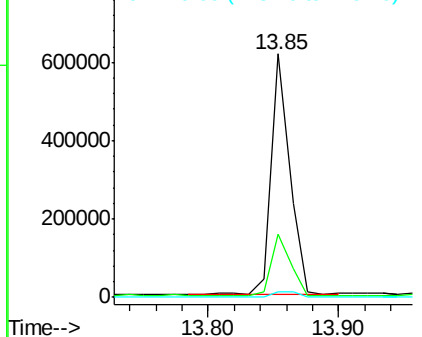
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 44.83 ng
 RT: 13.85 min Scan# 1047
 Delta R.T. -0.00 min
 Lab File: BF093584.D
 Acq: 11 Mar 2017 23:00

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB419AMSD

Tot Ion:149 Resp: 611742
 Ion Ratio Lower Upper
 149 100
 167 25.7 20.2 30.4
 279 2.2 1.8 2.8

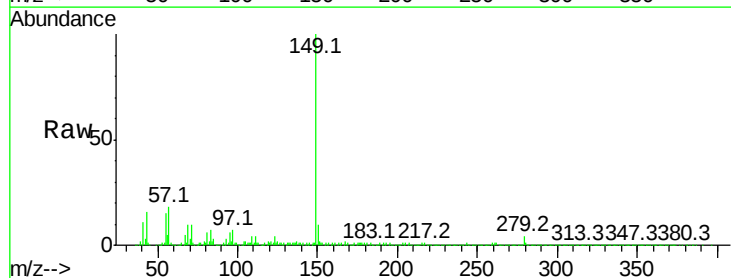


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

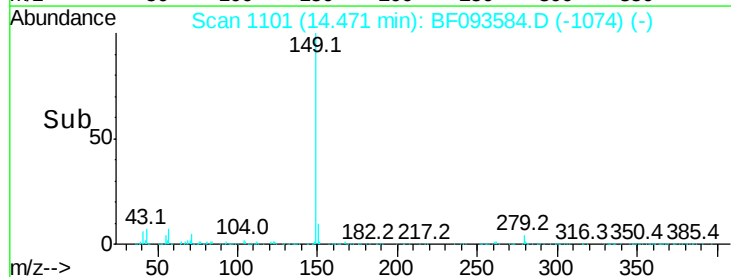
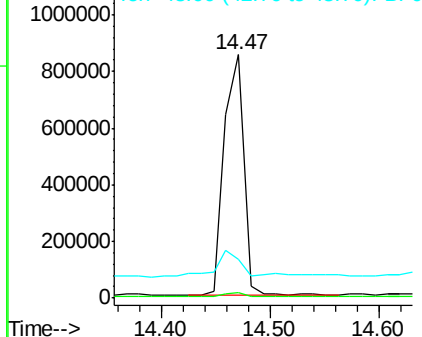


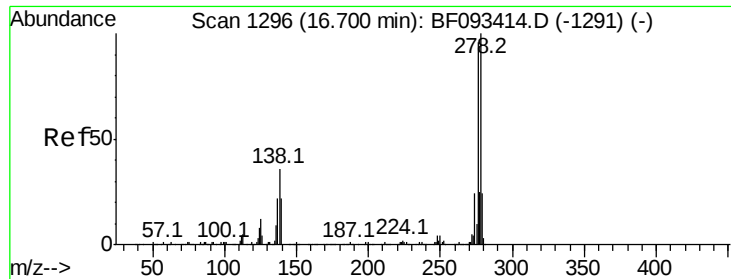
#84
 Di-n-octyl phthalate
 Concen: 46.50 ng
 RT: 14.47 min Scan# 1101
 Delta R.T. 0.01 min
 Lab File: BF093584.D
 Acq: 11 Mar 2017 23:00

Tgt Ion:149 Resp: 1057699
 Ion Ratio Lower Upper
 149 100
 167 2.1 1.3 1.9#
 43 14.9 8.9 13.3#



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 43.00 (42.70 to 43.70): BF0

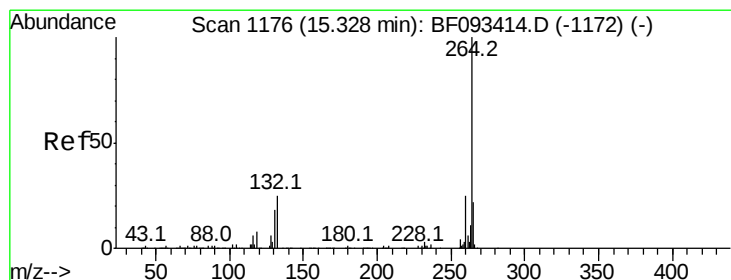
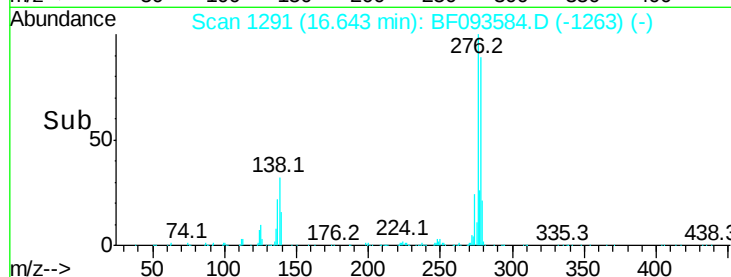
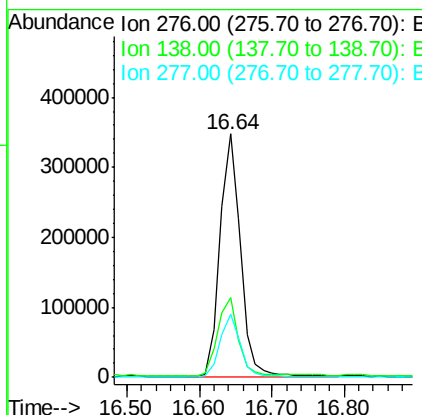
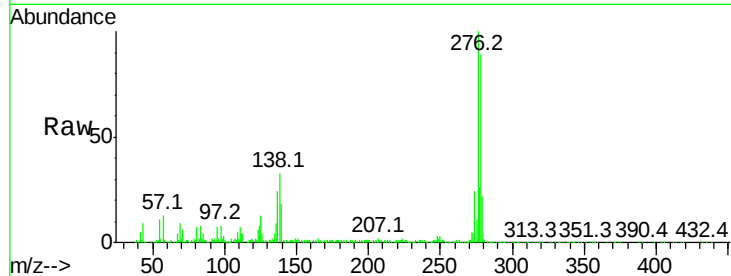




#85
Indeno(1,2,3-cd)pyrene
Concen: 46.55 ng
RT: 16.64 min Scan# 1291
Delta R.T. 0.02 min
Lab File: BF093584.D
Acq: 11 Mar 2017 23:00

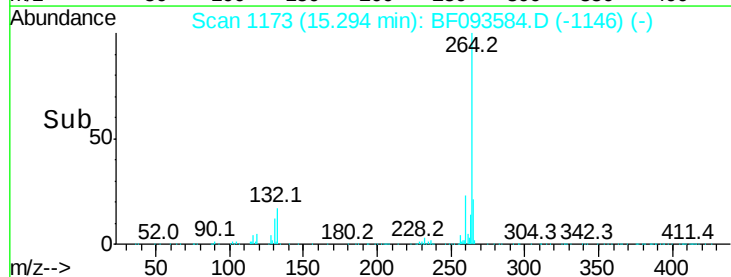
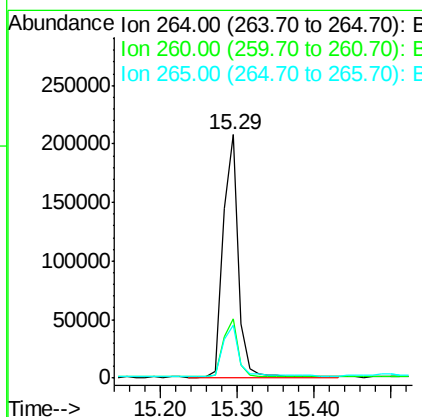
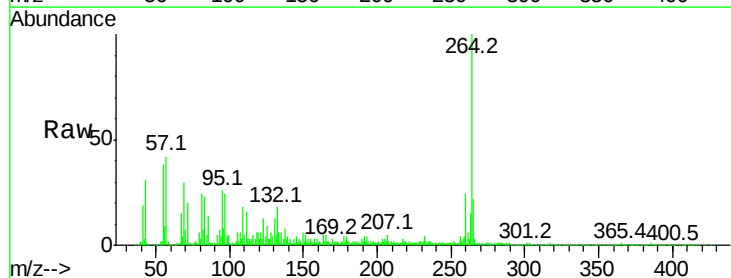
Instrument :
BNA_F
ClientSampleId :
HY-SB419AMSD

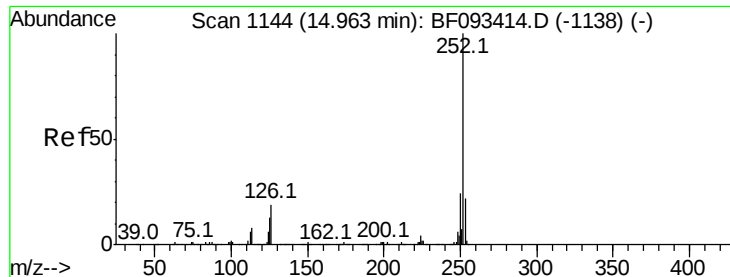
Tot Ion:276 Resp: 680887
Ion Ratio Lower Upper
276 100
138 31.6 21.8 32.6
277 25.0 20.2 30.4



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.29 min Scan# 1173
Delta R.T. 0.01 min
Lab File: BF093584.D
Acq: 11 Mar 2017 23:00

Tgt Ion:264 Resp: 286884
Ion Ratio Lower Upper
264 100
260 24.2 19.2 28.8
265 21.6 17.4 26.0





#87

Benzo(b)fluoranthene

Concen: 87.90 ng

RT: 14.89 min Scan# 1138

Delta R.T. -0.00 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

Instrument :

BNA_F

ClientSampleId :

HY-SB419AMSD

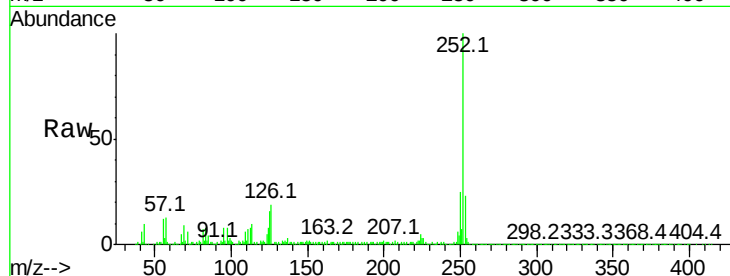
Tot Ion:252 Resp: 1535806

Ion Ratio Lower Upper

252 100

253 22.9 18.2 27.4

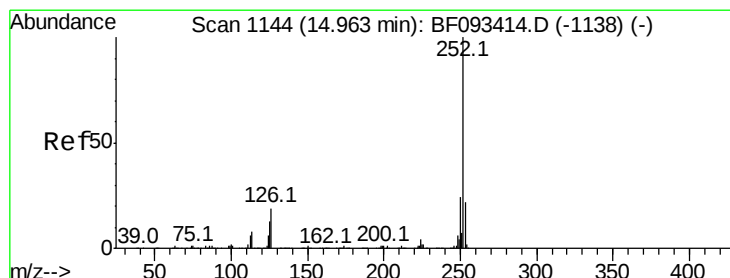
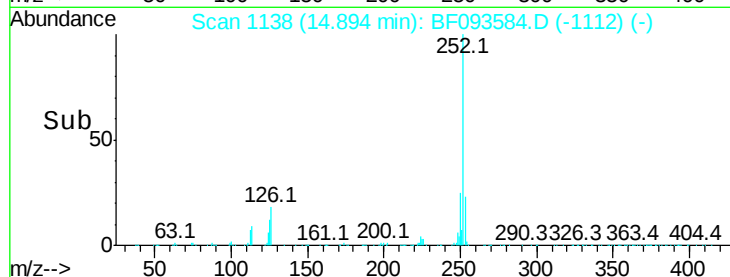
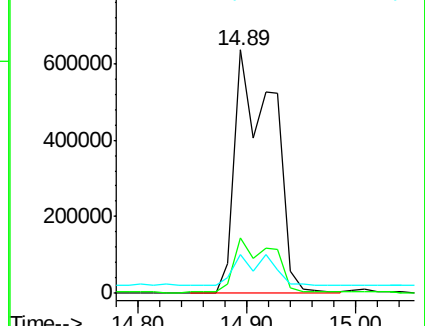
125 16.1 9.8 14.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 91.15 ng

RT: 14.89 min Scan# 1138

Delta R.T. -0.02 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

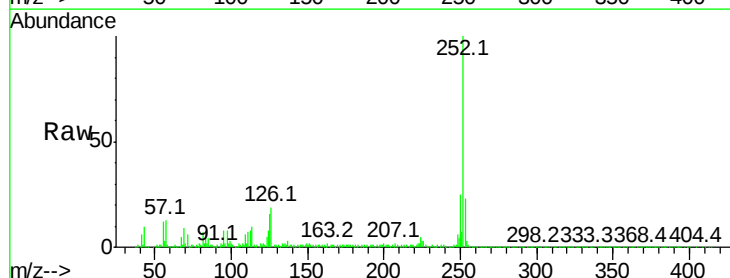
Tgt Ion:252 Resp: 1535806

Ion Ratio Lower Upper

252 100

253 22.9 18.5 27.7

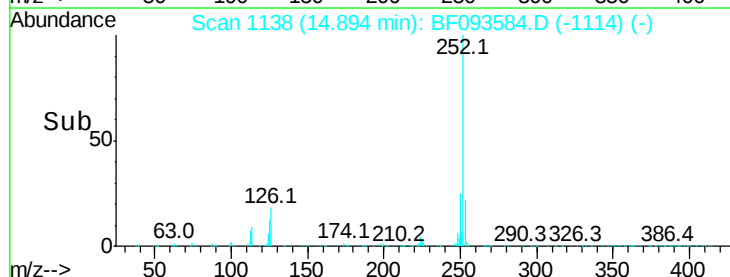
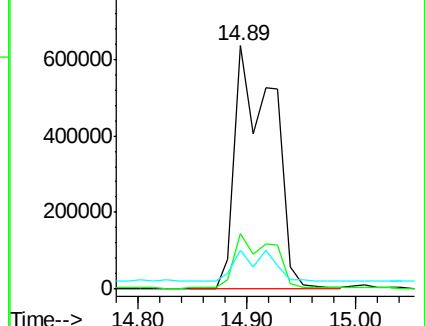
125 16.1 8.9 13.3#

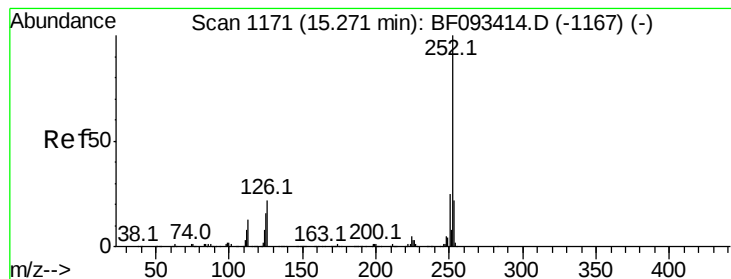


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 47.23 ng

RT: 15.24 min Scan# 1168

Delta R.T. 0.01 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

Instrument :

BNA_F

ClientSampleId :

HY-SB419AMSD

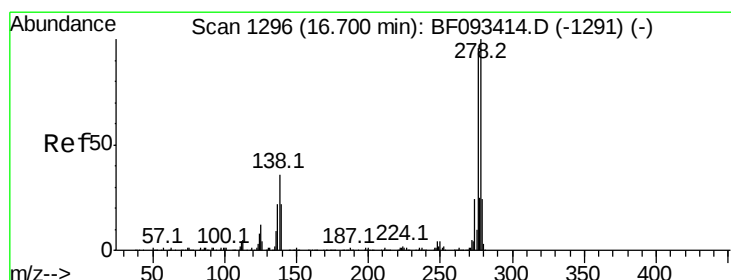
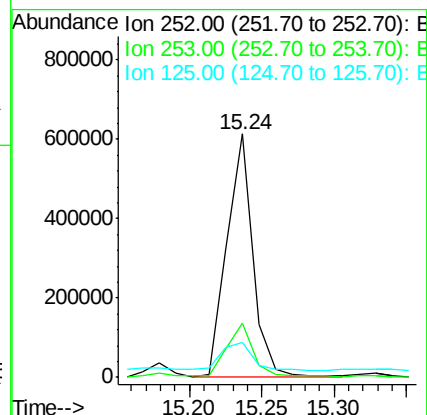
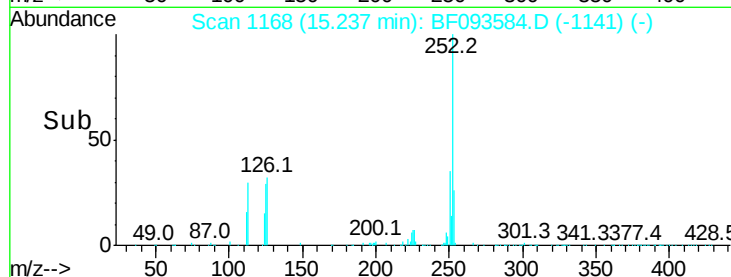
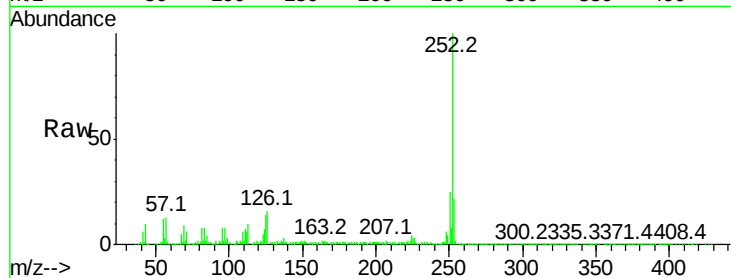
Tot Ion:252 Resp: 754180

Ion Ratio Lower Upper

252 100

253 22.5 18.2 27.2

125 14.2 10.0 15.0



#90

Dibenzo(a,h)anthracene

Concen: 43.32 ng

RT: 16.64 min Scan# 1291

Delta R.T. 0.02 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

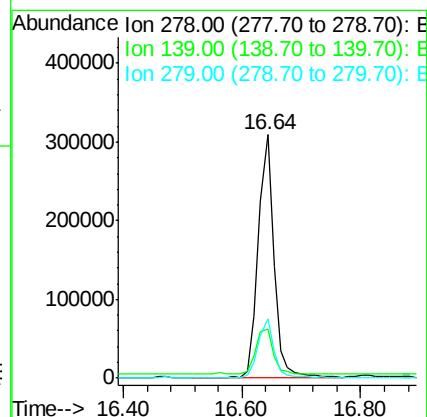
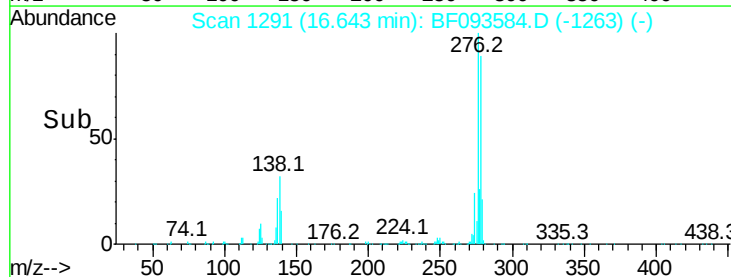
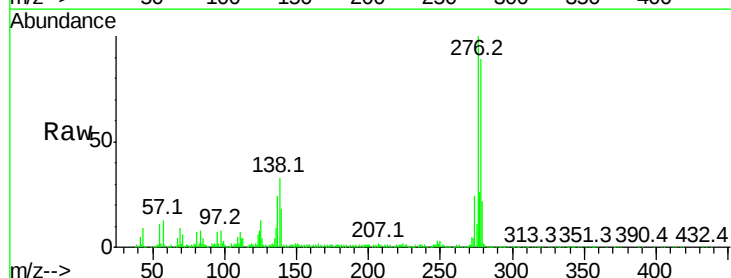
Tgt Ion:278 Resp: 572262

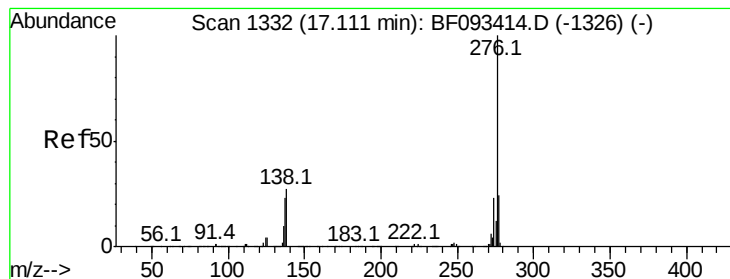
Ion Ratio Lower Upper

278 100

139 20.1 14.8 22.2

279 24.2 19.8 29.6





#91

Benzo(a,h,i)perylene

Concen: 42.49 ng

RT: 17.04 min Scan# 1326

Delta R.T. 0.02 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

Instrument :

BNA_F

ClientSampleId :

HY-SB419AMSD

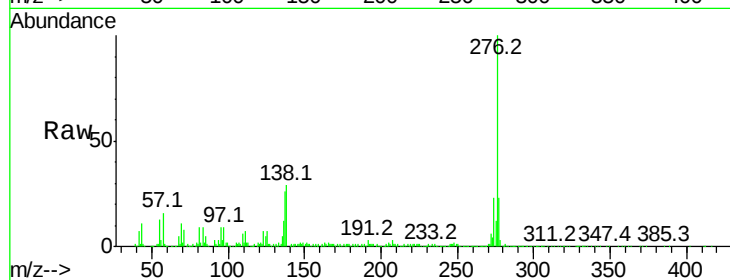
Tot Ion:276 Resp: 576075

Ion Ratio Lower Upper

276 100

277 23.3 19.2 28.8

138 29.3 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

