

Data Path : U:\HPCHEM1\BNA F\DATA\BF101816\
 Data File : BF090626.D
 Acq On : 18 Oct 2016 11:42
 Operator : UM/SJ
 Sample : H5227-01 2X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1

Quant Time: Oct 19 01:17:14 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 17 19:19:58 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	210819	20.00	ng	-0.01
21) Naphthalene-d8	8.19	136	871348	20.00	ng	-0.01
38) Acenaphthene-d10	9.94	164	409596	20.00	ng	-0.02
63) Phenanthrene-d10	11.42	188	573150	20.00	ng	-0.02
75) Chrysene-d12	14.08	240	434547	20.00	ng	-0.01
86) Perylene-d12	15.54	264	493974	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	728861	63.38	ng	-0.01
7) Phenol-d6	6.53	99	992597	58.09	ng	-0.01
23) Nitrobenzene-d5	7.46	82	605800	38.62	ng	-0.02
41) 2,4,6-Tribromophenol	10.73	330	138518	37.93	ng	-0.02
44) 2-Fluorobiphenyl	9.26	172	755157	30.38	ng	-0.01
78) Terphenyl-d14	13.01	244	428364	22.95	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Aniline	6.54	93	210	0.01	ng	# 1
8) 2-Chlorophenol	6.68	128	287	0.02	ng	# 1
9) Benzaldehyde	6.45	77	306	0.03	ng	# 1
10) Phenol	6.54	94	15996	0.82	ng	# 74
11) bis(2-Chloroethyl)ether	6.67	93	1197	0.07	ng	# 1
15) Benzyl Alcohol	7.06	79	10131	0.87	ng	# 44
16) 2,2'-oxybis(1-Chloropropan	7.16	45	505	0.02	ng	# 10
18) Hexachloroethane	7.43	117	391	0.06	ng	# 1
22) Acetophenone	7.30	105	269	0.01	ng	# 1
24) Nitrobenzene	7.46	77	3240	0.20	ng	# 44
25) Isophorone	7.80	82	1564	0.05	ng	# 70
27) 2,4-Dimethylphenol	7.97	122	538	0.04	ng	# 64
31) Naphthalene	8.20	128	33036	0.74	ng	# 99
32) Benzoic acid	7.97	122	538	0.07	ng	# 37
33) 4-Chloroaniline	8.20	127	4103	0.24	ng	# 35
37) 2-Methylnaphthalene	8.90	142	15411	0.59	ng	# 94
45) 1,1'-Biphenyl	9.37	154	3988	0.13	ng	# 91
46) 2-Chloronaphthalene	9.53	162	239	0.01	ng	# 10
47) 2-Nitroaniline	9.46	65	206	0.02	ng	# 6
48) Acenaphthylene	9.80	152	26121	0.71	ng	# 99
49) Dimethylphthalate	9.65	163	218838	8.23	ng	# 99
50) 2,6-Dinitrotoluene	9.65	165	2275	0.39	ng	# 1
51) Acenaphthene	9.97	154	34579	1.41	ng	# 97
54) Dibenzofuran	10.14	168	27729	0.86	ng	# 86
57) Fluorene	10.49	166	39888	1.49	ng	# 100
59) Diethylphthalate	10.34	149	3544	0.13	ng	# 91
61) 4-Nitroaniline	10.49	138	326	0.04	ng	# 20
62) Azobenzene	10.63	77	1838	0.06	ng	# 1
65) n-Nitrosodiphenylamine	10.60	169	1476	0.08	ng	# 47
70) Phenanthrene	11.46	178	246249	8.05	ng	# 97
71) Anthracene	11.50	178	101762	3.09	ng	# 99
72) Carbazole	11.66	167	27531	0.93	ng	# 95
73) Di-n-butylphthalate	11.98	149	21387	0.62	ng	# 97
74) Fluoranthene	12.65	202	296048	9.62	ng	# 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

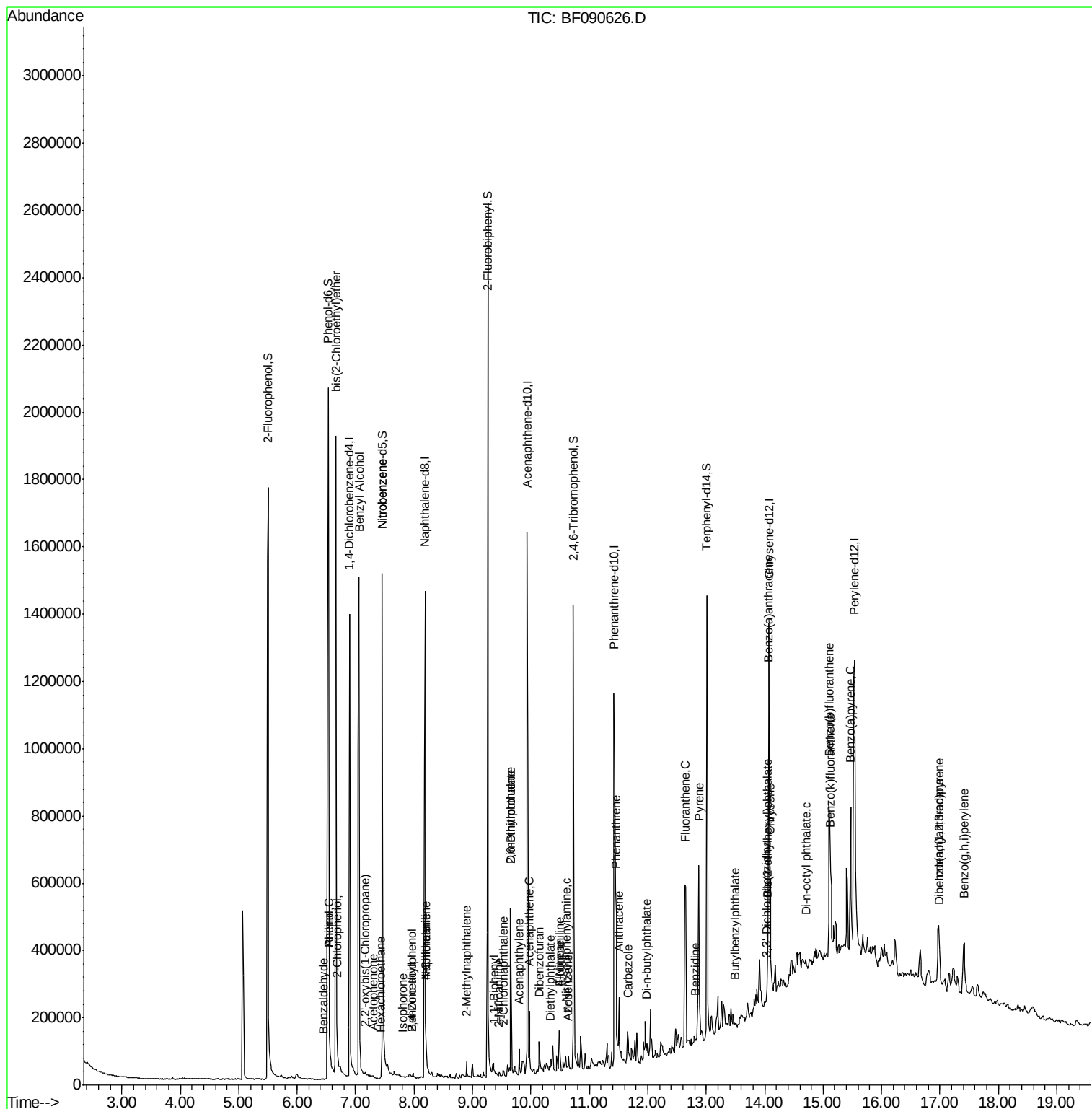
76) Benzidine	12.82	184	1057	0.10	nq	# 1
77) Pyrene	12.88	202	298697	10.38	nq	99
79) Butylbenzylphthalate	13.49	149	1746	0.14	nq	# 44
80) Benzo(a)anthracene	14.06	228	152964m	6.18	nq	
81) 3,3'-Dichlorobenzidine	14.03	252	1438	0.17	nq	# 44
82) Chrysene	14.10	228	153661m	6.45	nq	
83) Bis(2-ethylhexyl)phthalate	14.05	149	9023	0.52	nq	# 94
84) Di-n-octyl phthalate	14.70	149	3846	0.17	nq	# 63
85) Indeno(1,2,3-cd)pyrene	16.98	276	151075	10.96	nq	96
87) Benzo(b)fluoranthene	15.10	252	284247m	8.79	nq	
88) Benzo(k)fluoranthene	15.13	252	89507m	2.57	nq	
89) Benzo(a)pyrene	15.47	252	218239	7.37	nq	98
90) Dibenzo(a,h)anthracene	16.99	278	28806	1.28	nq	# 83
91) Benzo(q,h,i)perylene	17.41	276	143041	6.65	nq	99

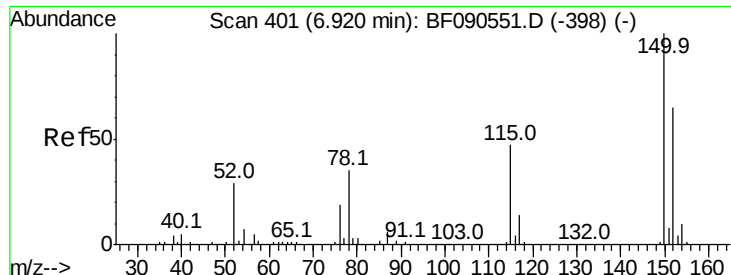
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.90 min Scan# 399

Delta R.T. -0.01 min

Lab File: BF090626.D

Acq: 18 Oct 2016 11:42

Instrument :

BNA_F

ClientSampleId :

1

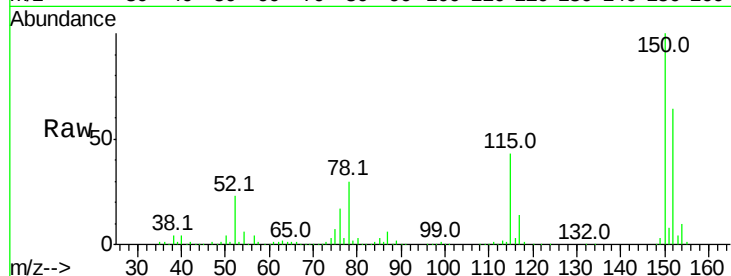
Tot Ion:152 Resp: 210819

Ion Ratio Lower Upper

152 100

150 155.5 127.2 190.8

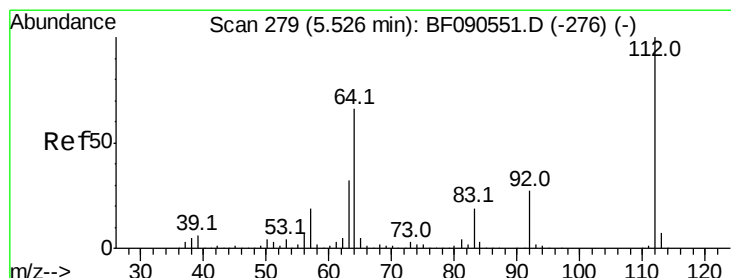
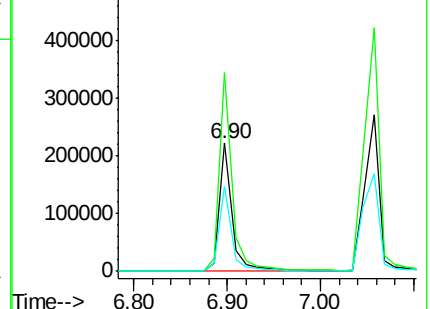
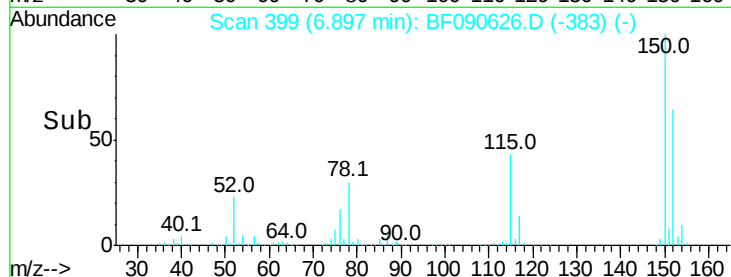
115 66.8 58.6 88.0



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



#5

2-Fluorophenol

Concen: 63.38 ng

RT: 5.50 min Scan# 277

Delta R.T. -0.01 min

Lab File: BF090626.D

Acq: 18 Oct 2016 11:42

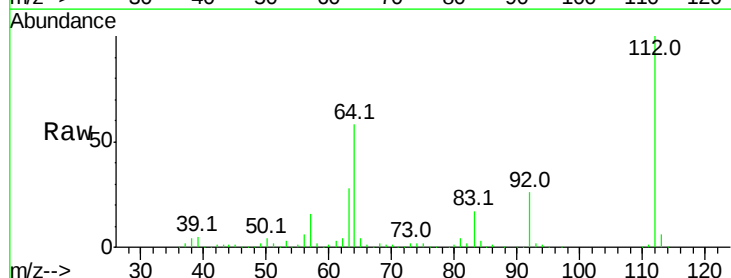
Tgt Ion:112 Resp: 728861

Ion Ratio Lower Upper

112 100

64 58.0 52.6 78.8

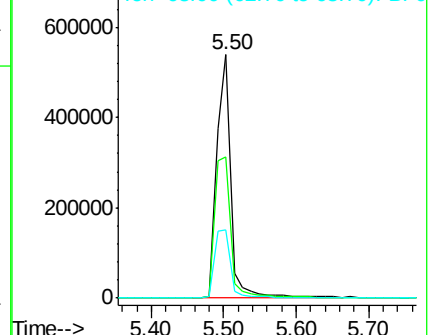
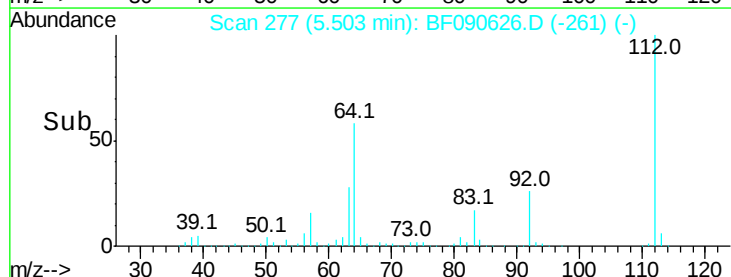
63 28.3 26.0 39.0

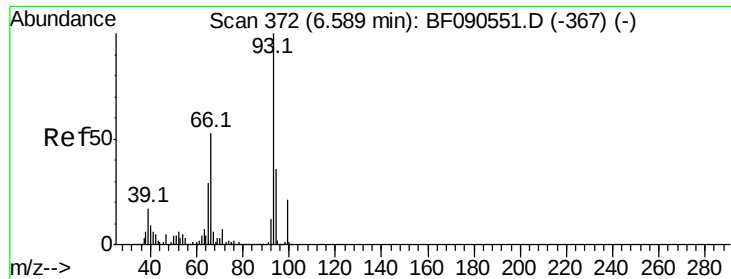


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#6

Aniline

Concen: 0.01 ng

RT: 6.54 min Scan# 368

Delta R.T. -0.03 min

Lab File: BF090626.D

Acq: 18 Oct 2016 11:42

Instrument :

BNA_F

ClientSampleId :

1

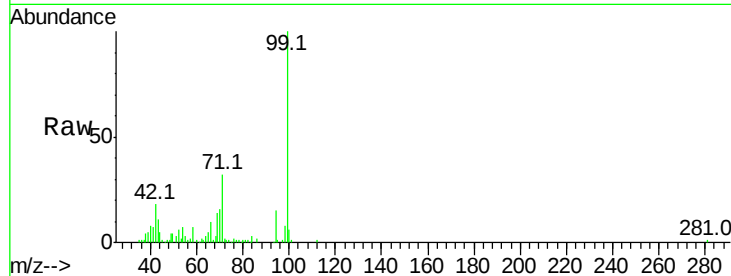
Tot Ion: 93 Resp: 210

Ion Ratio Lower Upper

93 100

66 2734.6 42.2 63.2#

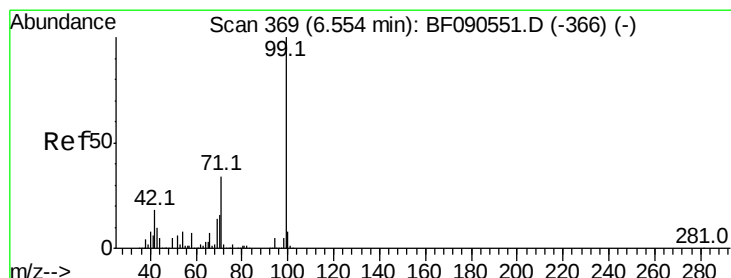
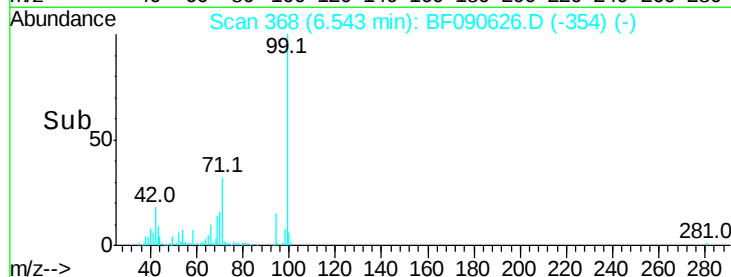
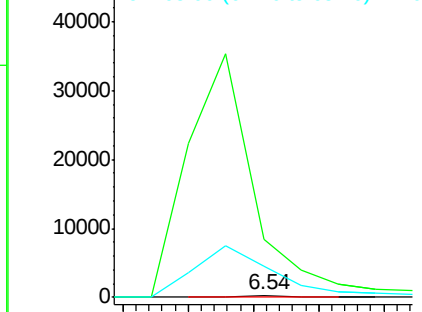
65 1452.3 22.9 34.3#



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: 58.09 ng

RT: 6.53 min Scan# 367

Delta R.T. -0.01 min

Lab File: BF090626.D

Acq: 18 Oct 2016 11:42

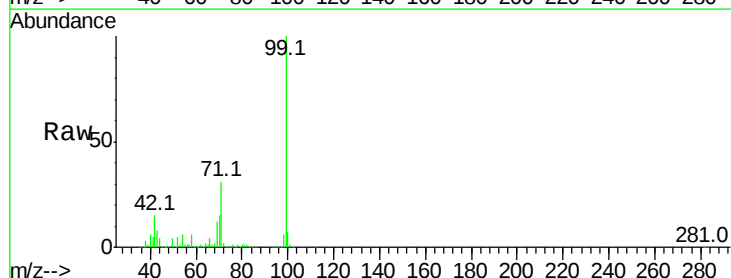
Tgt Ion: 99 Resp: 992597

Ion Ratio Lower Upper

99 100

42 14.9 14.7 22.1

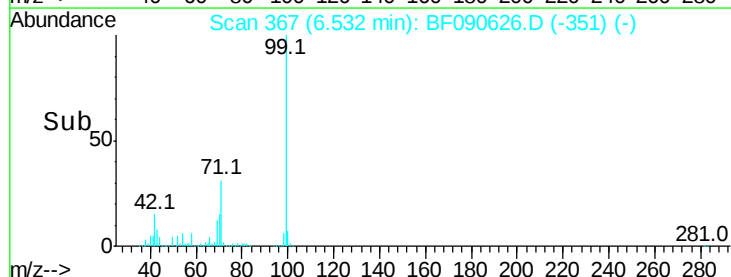
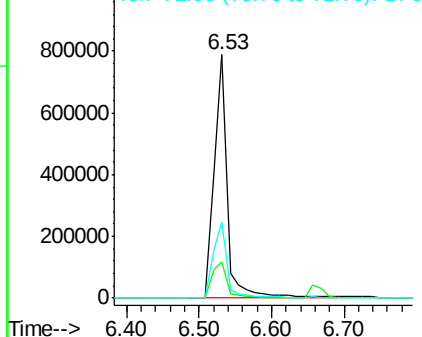
71 31.2 27.6 41.4

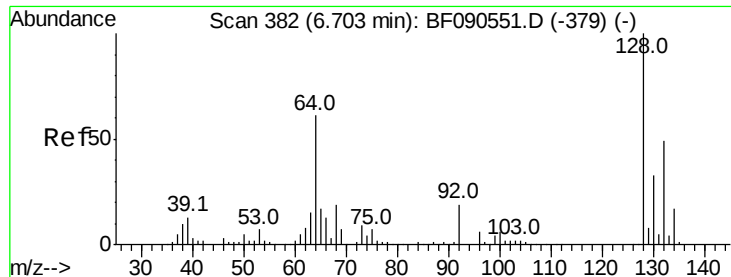


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

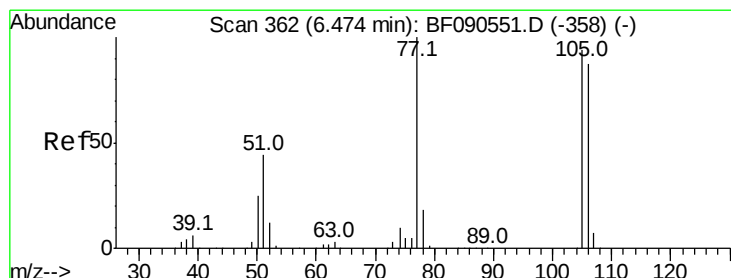
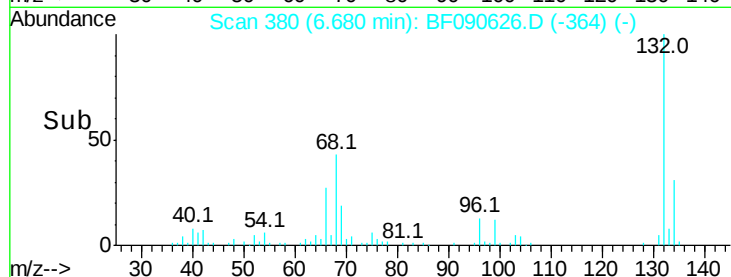
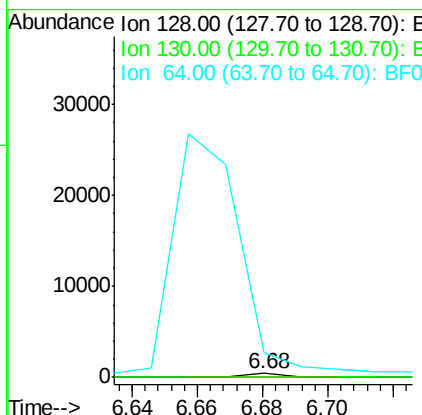
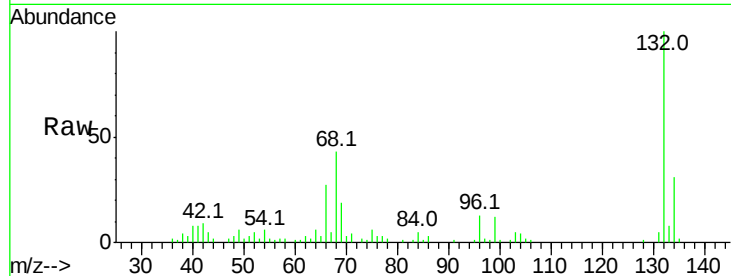




#8
 2-Chlorophenol
 Concen: 0.02 ng
 RT: 6.68 min Scan# 380
 Delta R.T. -0.01 min
 Lab File: BF090626.D
 Acq: 18 Oct 2016 11:42

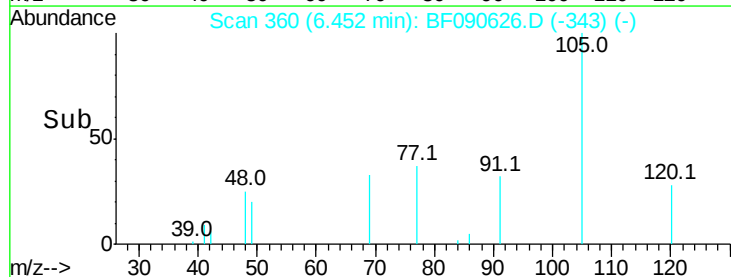
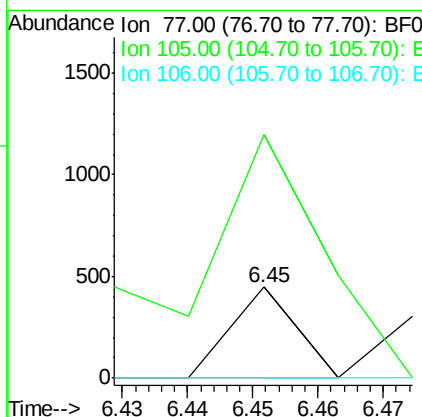
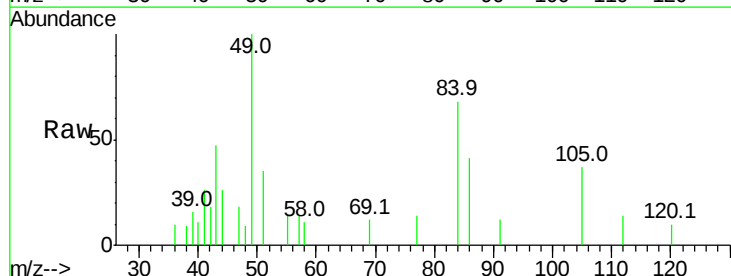
Instrument :
 BNA_F
 ClientSampleId :
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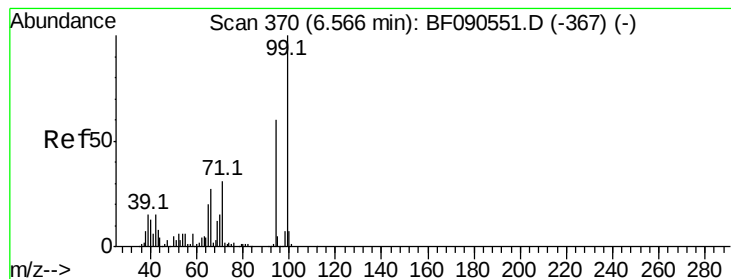
Tot Ion:128 Resp: 287
 Ion Ratio Lower Upper
 128 100
 130 0.0 12.6 52.6#
 64 640.7 42.6 82.6#



#9
 Benzaldehyde
 Concen: 0.03 ng
 RT: 6.45 min Scan# 360
 Delta R.T. -0.00 min
 Lab File: BF090626.D
 Acq: 18 Oct 2016 11:42

Tgt Ion: 77 Resp: 306
 Ion Ratio Lower Upper
 77 100
 105 268.4 74.3 114.3#
 106 0.0 67.2 107.2#





#10

Phenol

Concen: 0.82 ng

RT: 6.54 min Scan# 368

Delta R.T. -0.02 min

Lab File: BF090626.D

Acq: 18 Oct 2016 11:42

Instrument :

BNA_F

ClientSampled :

1

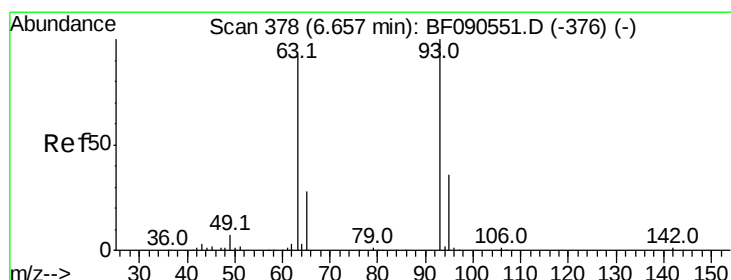
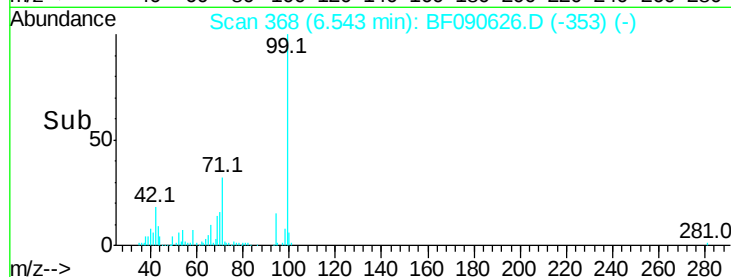
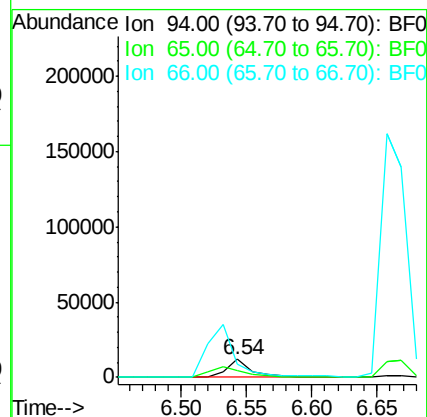
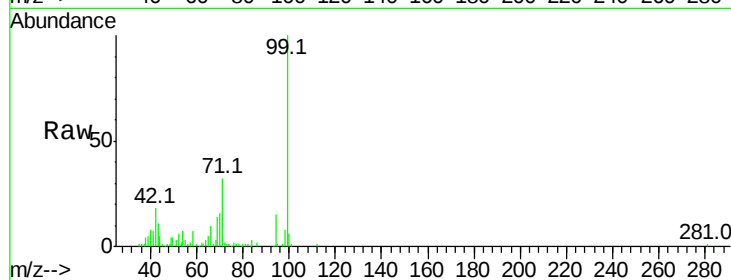
Tot Ion: 94 Resp: 15996

Ion Ratio Lower Upper

94 100

65 37.5 12.5 52.5

66 70.6 25.5 65.5#



#11

bis(2-Chloroethyl)ether

Concen: 0.07 ng

RT: 6.67 min Scan# 379

Delta R.T. 0.02 min

Lab File: BF090626.D

Acq: 18 Oct 2016 11:42

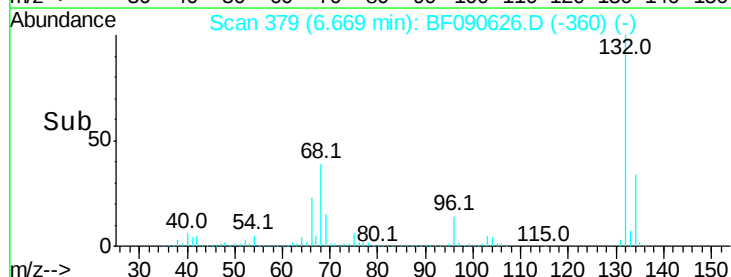
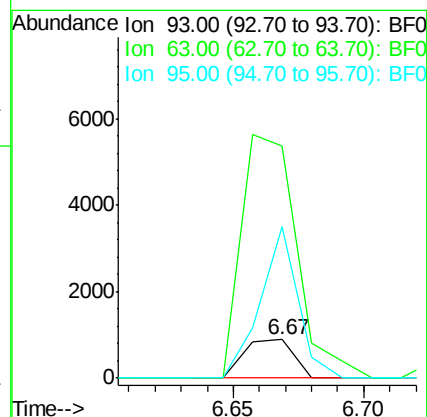
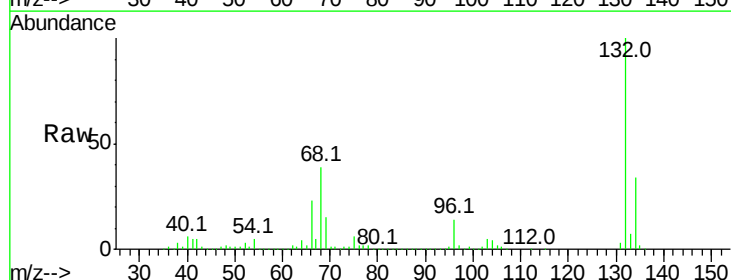
Tgt Ion: 93 Resp: 1197

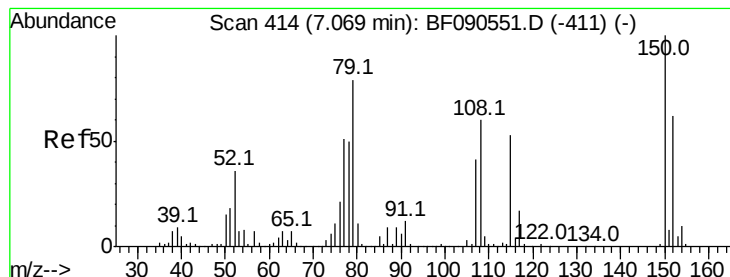
Ion Ratio Lower Upper

93 100

63 600.1 61.6 101.6#

95 390.5 11.8 51.8#





#15

Benzyl Alcohol

Concen: 0.87 ng

RT: 7.06 min Scan# 413

Delta R.T. -0.00 min

Lab File: BF090626.D

Acq: 18 Oct 2016 11:42

Instrument :

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ClientSampled :

1

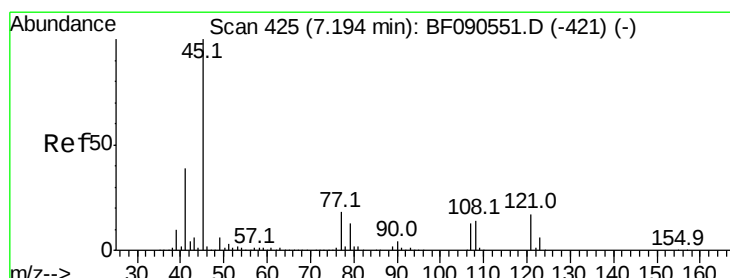
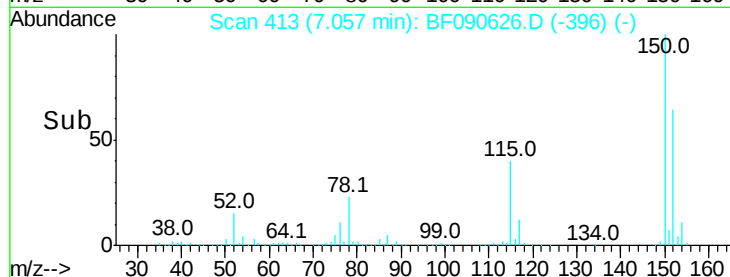
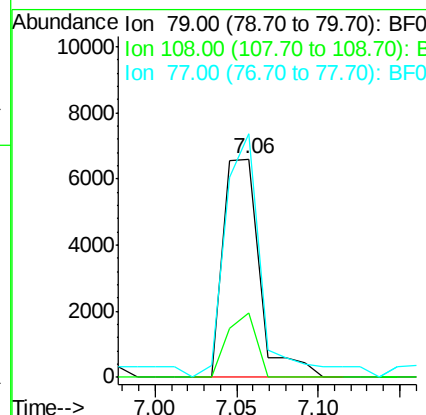
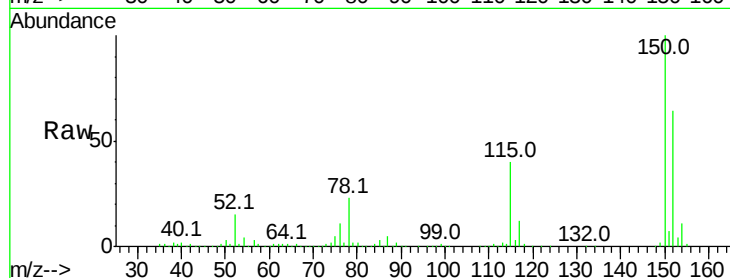
Tot Ion: 79 Resp: 10131

Ion Ratio Lower Upper

79 100

108 29.8 60.2 90.4#

77 111.6 52.0 78.0#



#16

2,2'-oxybis(1-chloropropane)

Concen: 0.02 ng

RT: 7.16 min Scan# 422

Delta R.T. -0.02 min

Lab File: BF090626.D

Acq: 18 Oct 2016 11:42

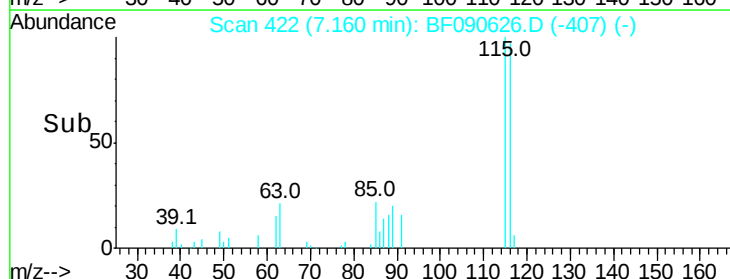
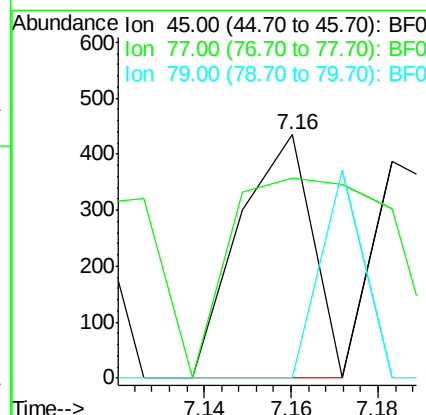
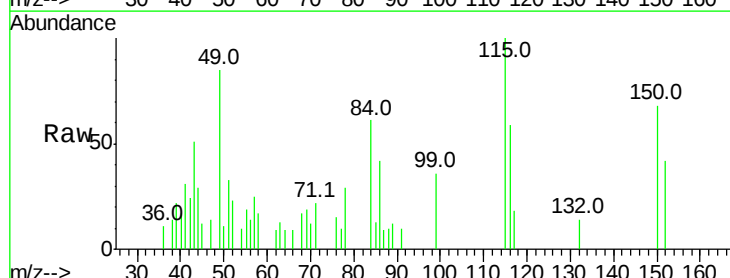
Tgt Ion: 45 Resp: 505

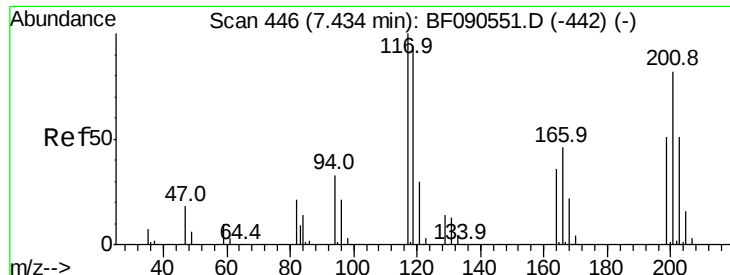
Ion Ratio Lower Upper

45 100

77 82.1 0.9 40.9#

79 0.0 0.0 37.3

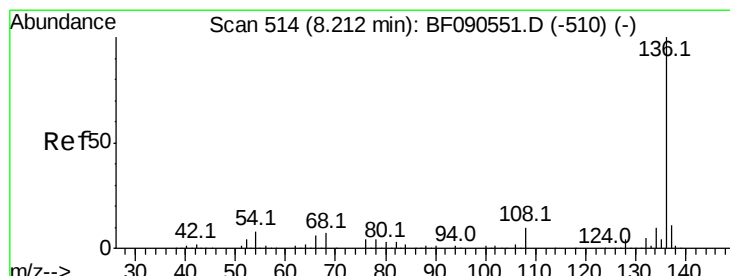
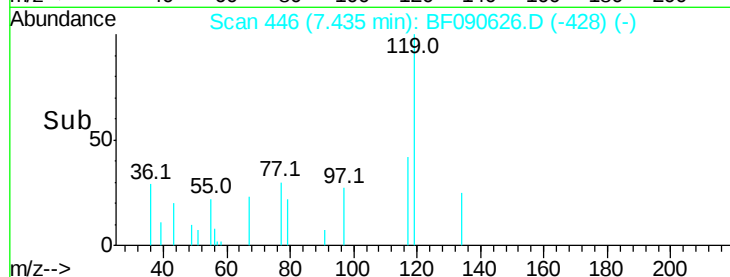
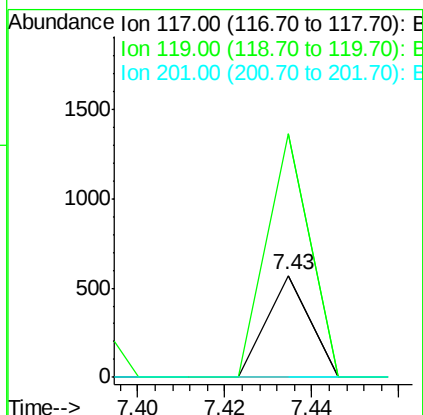
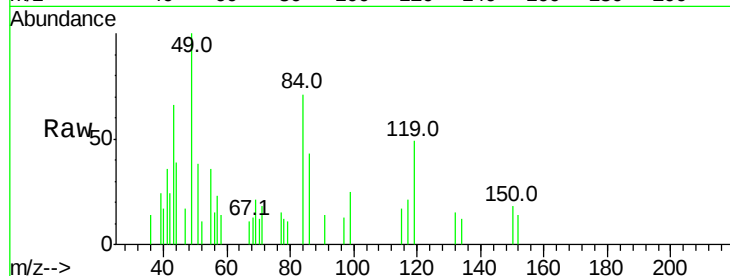




#18
Hexachloroethane
Concen: 0.06 ng
RT: 7.43 min Scan# 446
Delta R.T. 0.01 min
Lab File: BF090626.D
Acq: 18 Oct 2016 11:42

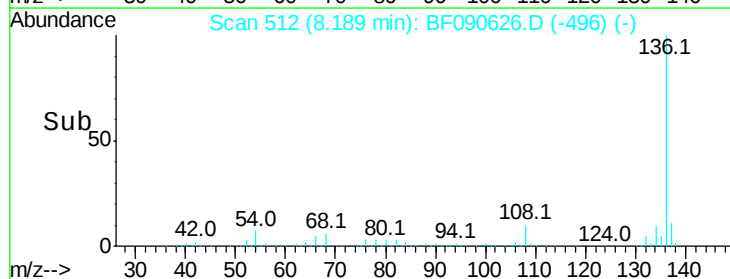
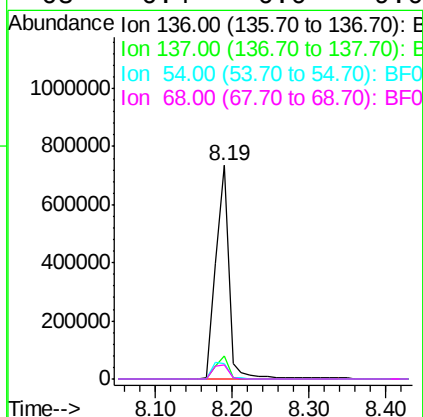
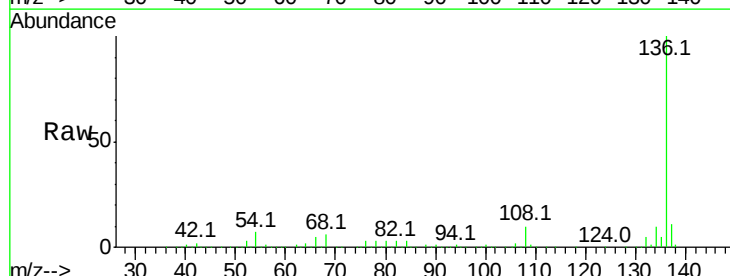
Instrument :
BNA_F
ClientSampled :
1

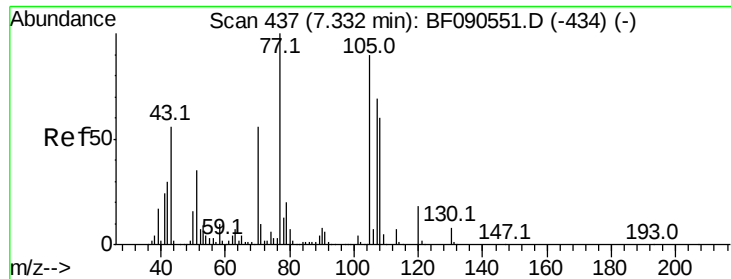
Tot Ion:117 Resp: 391
Ion Ratio Lower Upper
117 100
119 239.3 75.6 113.4#
201 0.0 65.4 98.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.19 min Scan# 512
Delta R.T. -0.01 min
Lab File: BF090626.D
Acq: 18 Oct 2016 11:42

Tgt Ion:136 Resp: 871348
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 7.2 6.8 10.2
68 6.4 6.0 9.0





#22

Acetophenone

Concen: 0.01 ng

RT: 7.30 min Scan# 434

Delta R.T. -0.02 min

Lab File: BF090626.D

Acq: 18 Oct 2016 11:42

Instrument :

BNA_F

ClientSampled :

1

Tot Ion:105 Resp: 269

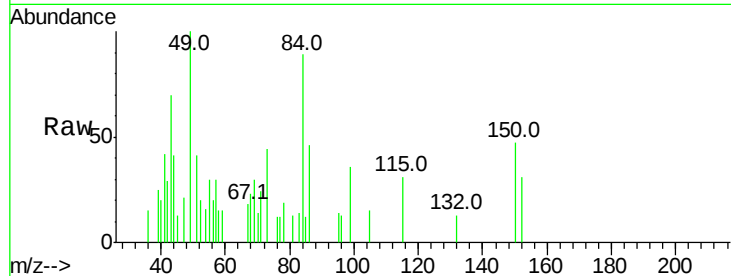
Ion Ratio Lower Upper

105 100

71 156.1 8.5 12.7#

51 265.8 31.0 46.4#

120 0.0 16.2 24.4#

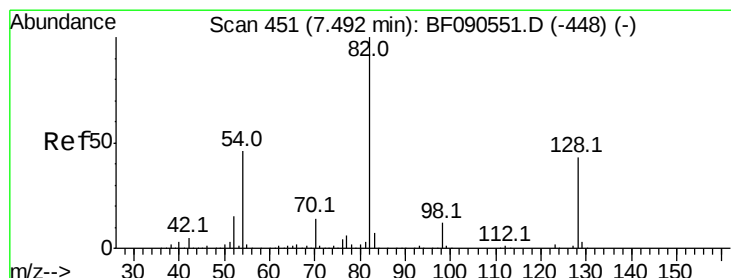
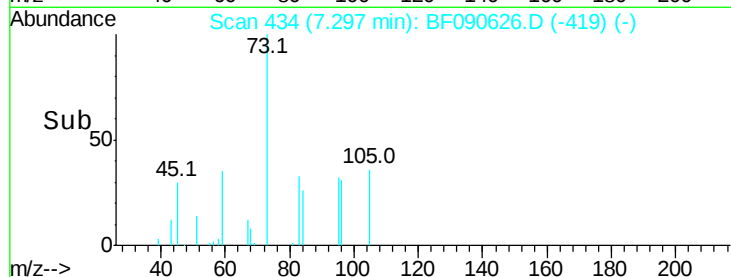
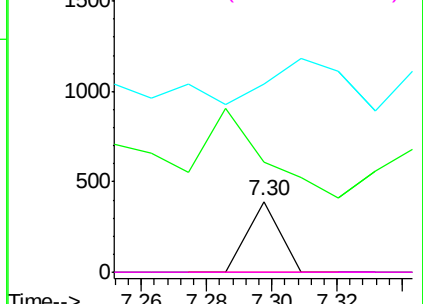


Abundance Ion 105.00 (104.70 to 105.70): E

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: 38.62 ng

RT: 7.46 min Scan# 448

Delta R.T. -0.02 min

Lab File: BF090626.D

Acq: 18 Oct 2016 11:42

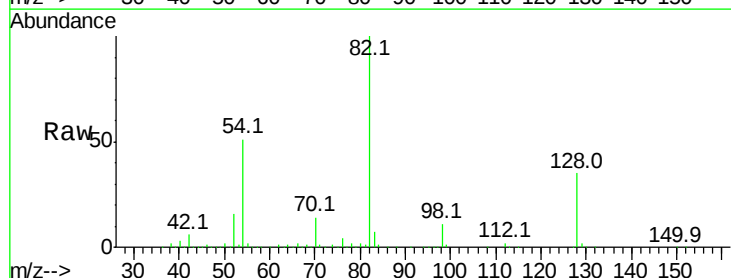
Tgt Ion: 82 Resp: 605800

Ion Ratio Lower Upper

82 100

128 34.7 34.3 51.5

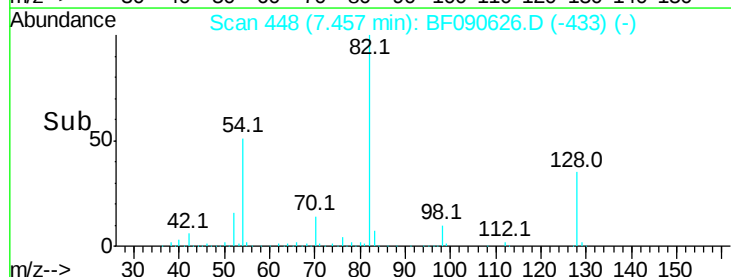
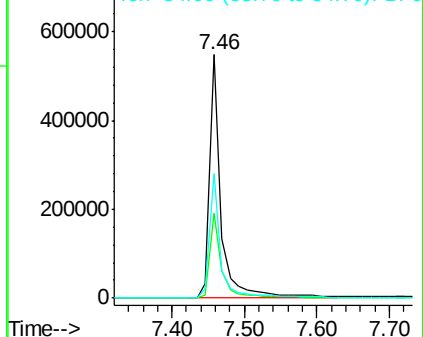
54 51.3 37.0 55.6

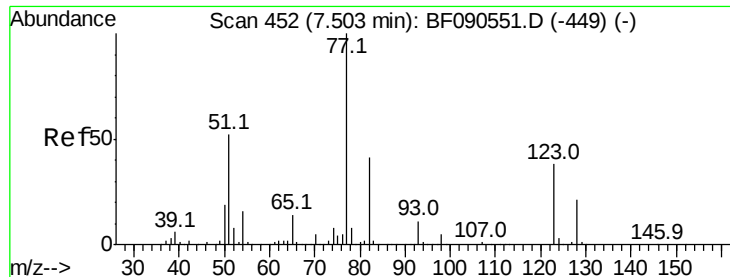


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#24

Nitrobenzene

Concen: 0.20 ng

RT: 7.46 min Scan# 448

Delta R.T. -0.03 min

Lab File: BF090626.D

Acq: 18 Oct 2016 11:42

Instrument :

BNA_F

ClientSampled :

1

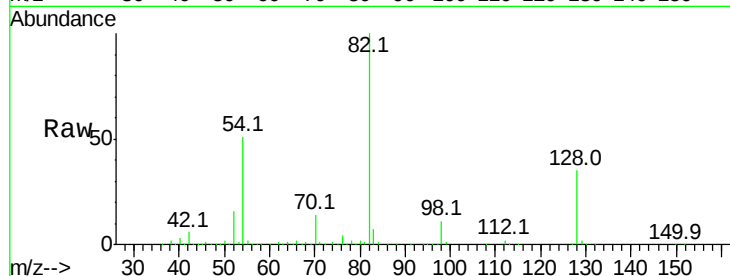
Tot Ion: 77 Resp: 3240

Ion Ratio Lower Upper

77 100

123 0.0 29.8 44.6#

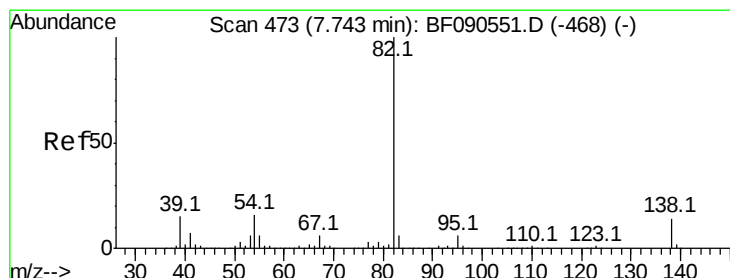
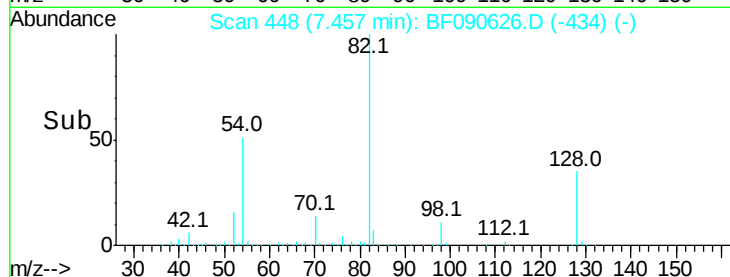
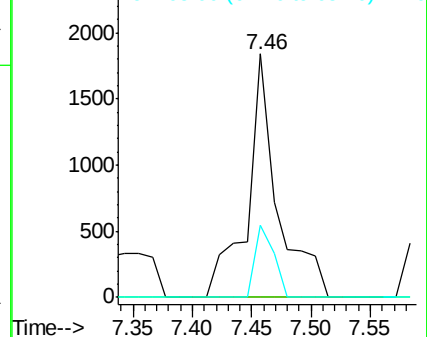
65 29.7 10.9 16.3#



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): BF0

Ion 65.00 (64.70 to 65.70): BF0



#25

Isophorone

Concen: 0.05 ng

RT: 7.80 min Scan# 478

Delta R.T. 0.07 min

Lab File: BF090626.D

Acq: 18 Oct 2016 11:42

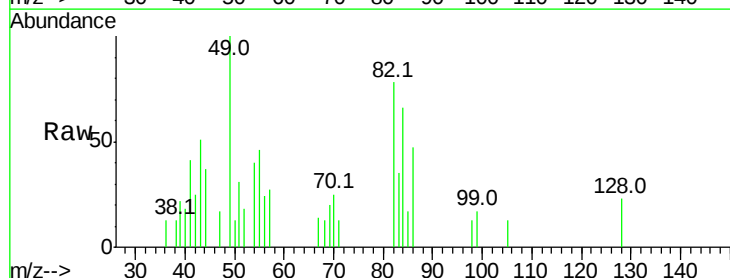
Tgt Ion: 82 Resp: 1564

Ion Ratio Lower Upper

82 100

95 0.0 5.0 7.6#

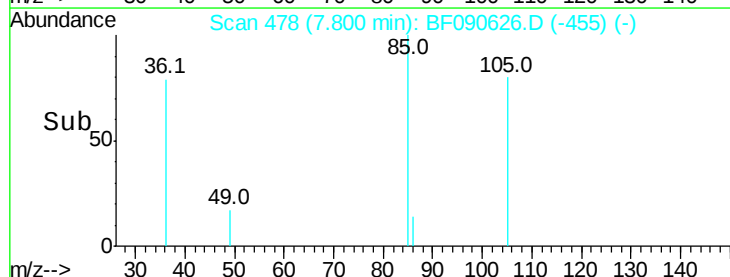
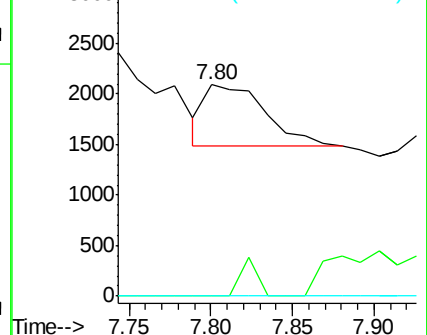
138 0.0 11.5 17.3#

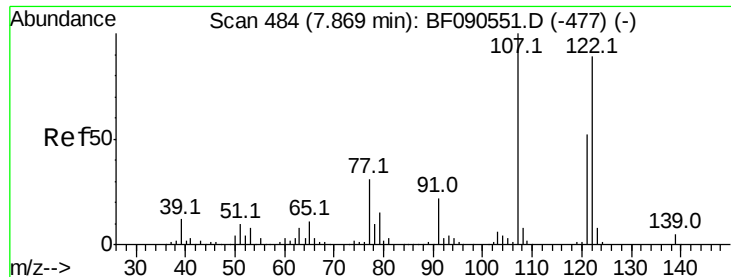


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0





#27

2,4-Dimethylphenol

Concen: 0.04 ng

RT: 7.97 min Scan# 493

Delta R.T. 0.11 min

Lab File: BF090626.D

Acq: 18 Oct 2016 11:42

Instrument :

BNA_F

ClientSampleId :

1

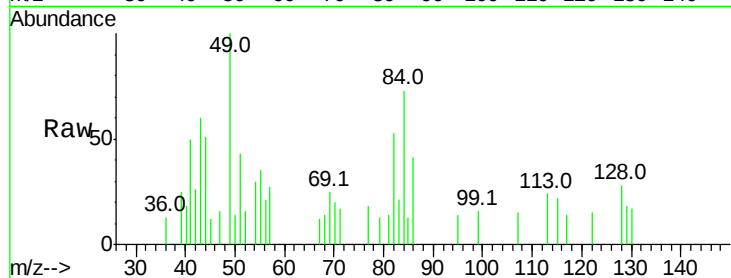
Tot Ion:122 Resp: 538

Ion Ratio Lower Upper

122 100

107 97.0 89.8 134.6

121 0.0 46.1 69.1#

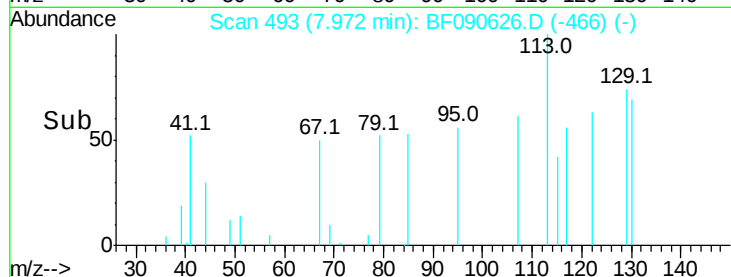


Abundance Ion 122.00 (121.70 to 122.70): E

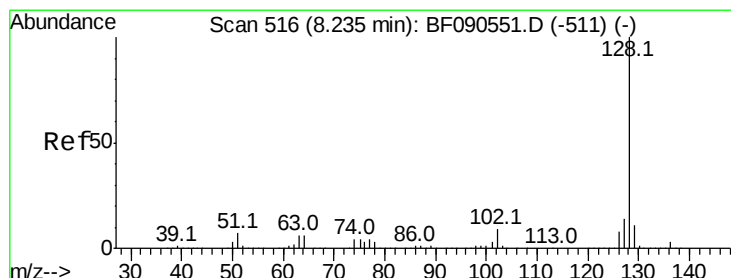
Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

Time-->



Time-->



#31

Naphthalene

Concen: 0.74 ng

RT: 8.20 min Scan# 513

Delta R.T. -0.02 min

Lab File: BF090626.D

Acq: 18 Oct 2016 11:42

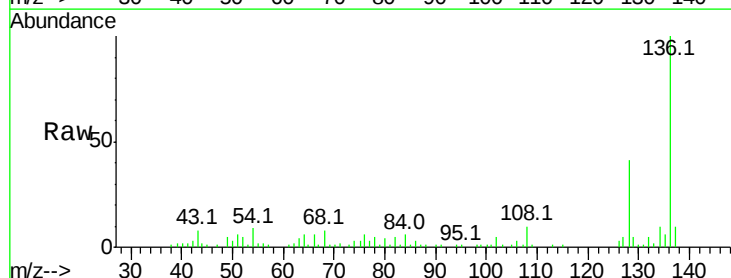
Tgt Ion:128 Resp: 33036

Ion Ratio Lower Upper

128 100

129 11.9 9.0 13.6

127 13.0 10.8 16.2

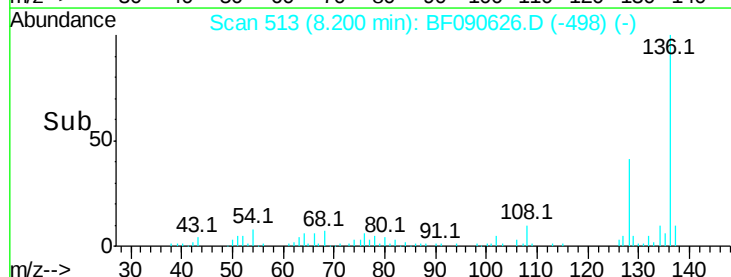


Abundance Ion 128.00 (127.70 to 128.70): E

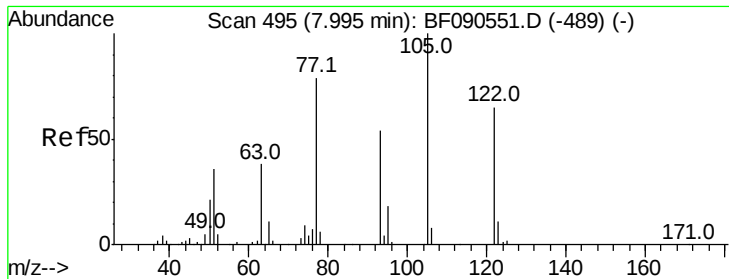
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

Time-->



Time-->



#32

Benzoic acid

Concen: 0.07 ng

RT: 7.97 min Scan# 493

Delta R.T. -0.03 min

Lab File: BF090626.D

Acq: 18 Oct 2016 11:42

Instrument :

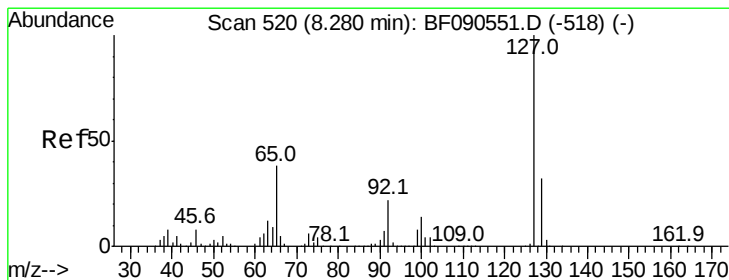
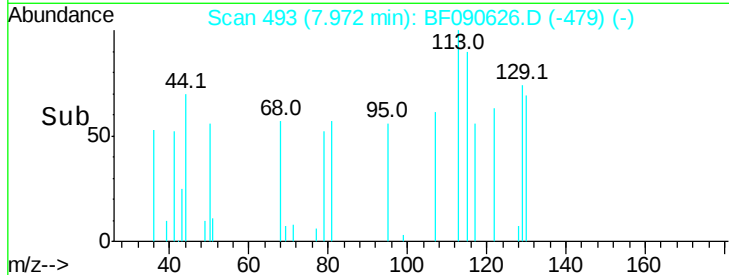
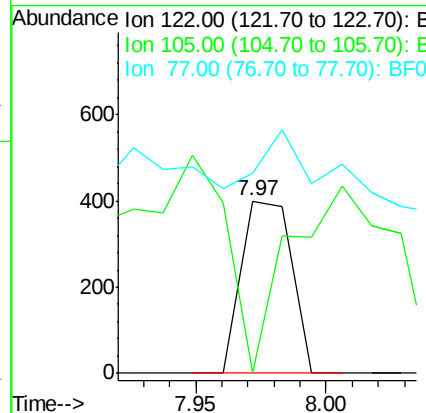
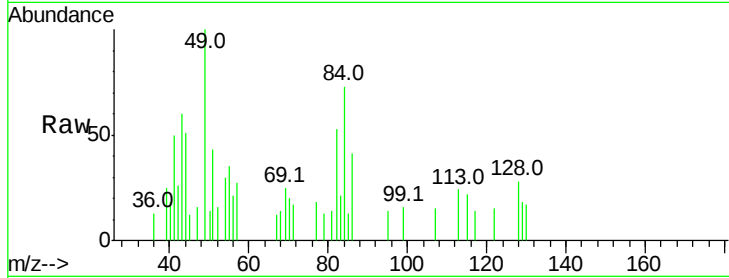
BNA_F

ClientSampled :

1

Tot Ion:122 Resp: 538

Ion	Ratio	Lower	Upper
122	100		
105	0.0	101.1	141.1#
77	116.3	84.7	124.7



#33

4-Chloroaniline

Concen: 0.24 ng

RT: 8.20 min Scan# 513

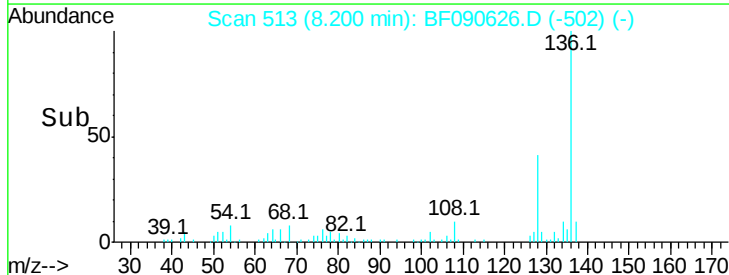
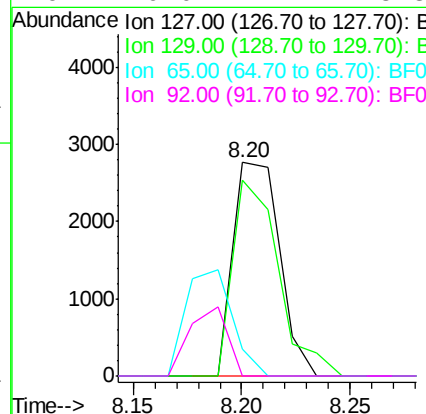
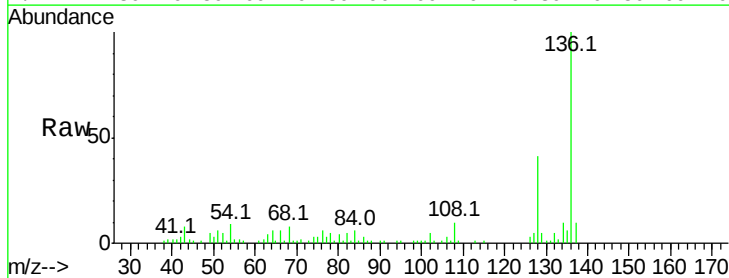
Delta R.T. -0.07 min

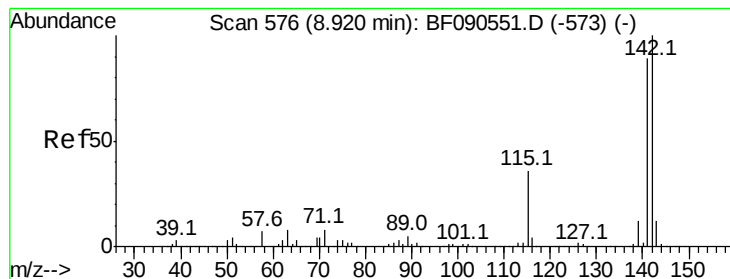
Lab File: BF090626.D

Acq: 18 Oct 2016 11:42

Tgt Ion:127 Resp: 4103

Ion	Ratio	Lower	Upper
127	100		
129	91.9	26.2	39.2#
65	12.8	30.1	45.1#
92	0.0	17.2	25.8#

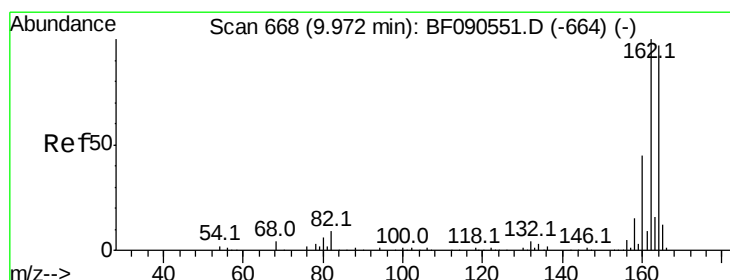
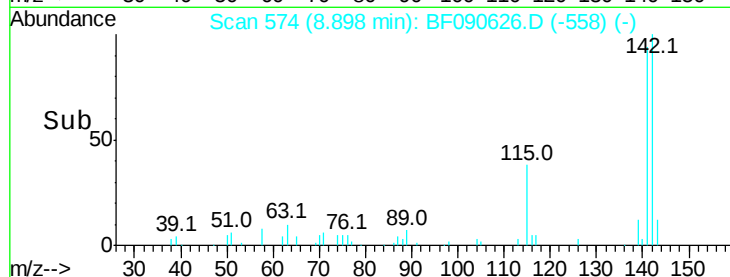
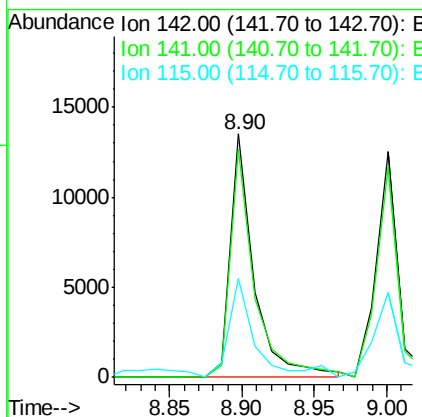
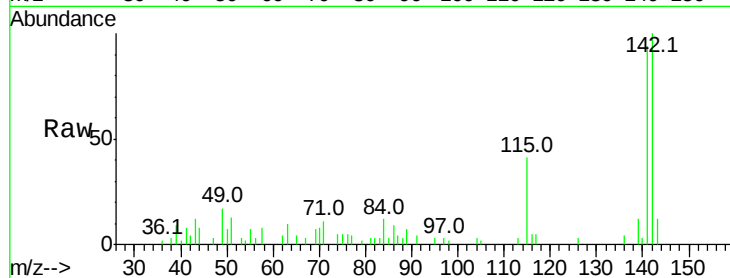




#37
 2-Methylnaphthalene
 Concen: 0.59 ng
 RT: 8.90 min Scan# 574
 Delta R.T. -0.01 min
 Lab File: BF090626.D
 Acq: 18 Oct 2016 11:42

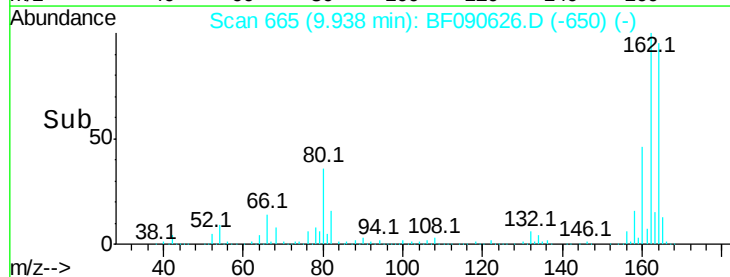
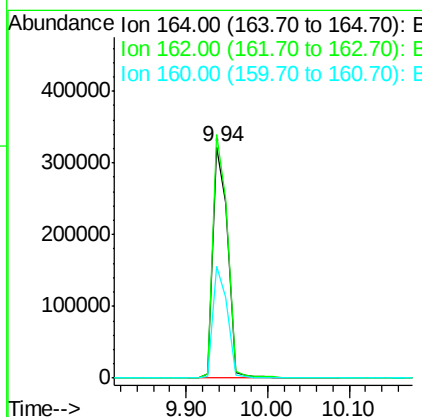
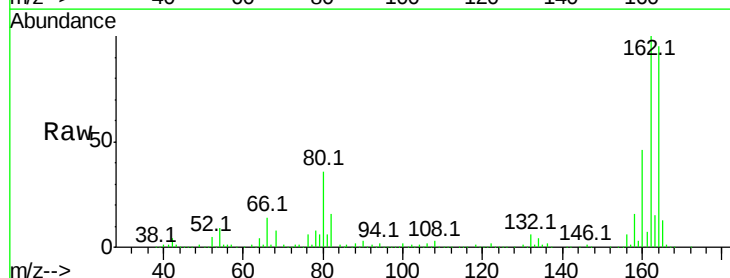
Instrument :
 BNA_F
 ClientSampleId :
 1

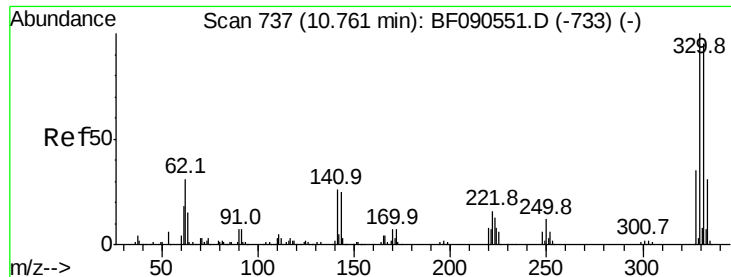
Tot Ion:142 Resp: 15411
 Ion Ratio Lower Upper
 142 100
 141 93.7 71.3 106.9
 115 40.6 28.8 43.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.94 min Scan# 665
 Delta R.T. -0.02 min
 Lab File: BF090626.D
 Acq: 18 Oct 2016 11:42

Tgt Ion:164 Resp: 409596
 Ion Ratio Lower Upper
 164 100
 162 105.3 82.2 123.4
 160 48.4 36.6 55.0

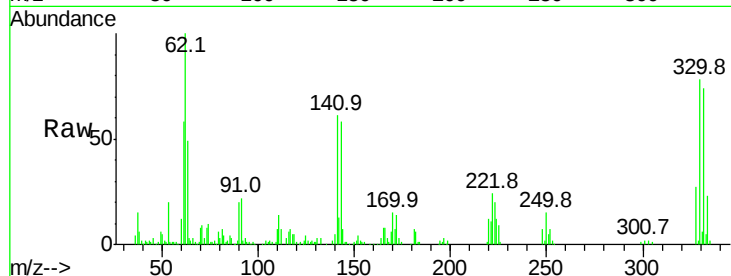




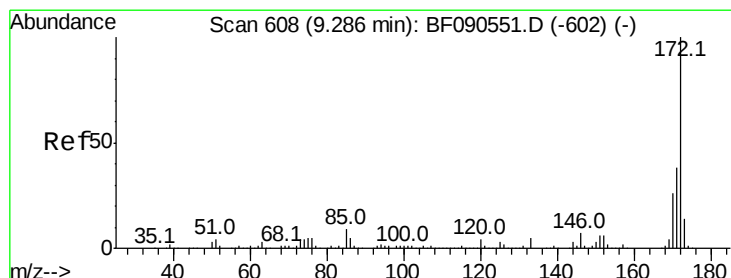
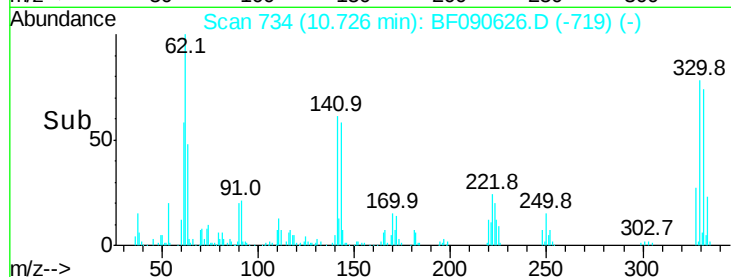
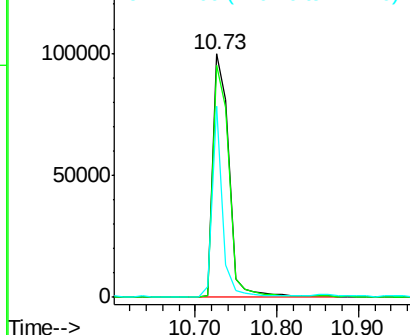
#41
 2,4,6-Tribromophenol
 Concen: 37.93 ng
 RT: 10.73 min Scan# 734
 Delta R.T. -0.02 min
 Lab File: BF090626.D
 Acq: 18 Oct 2016 11:42

Instrument :
 BNA_F
 ClientSampled :
 1

Tot Ion:330 Resp: 138518
 Ion Ratio Lower Upper
 330 100
 332 96.0 76.2 114.2
 141 52.8 31.4 47.2#

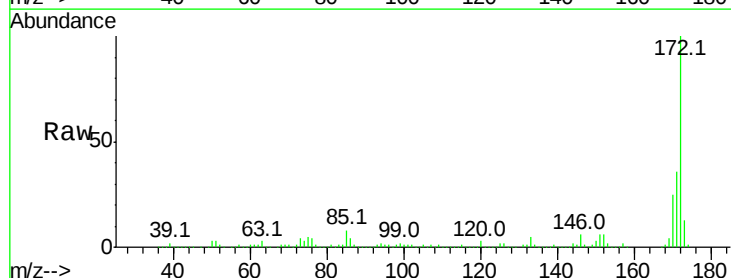


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

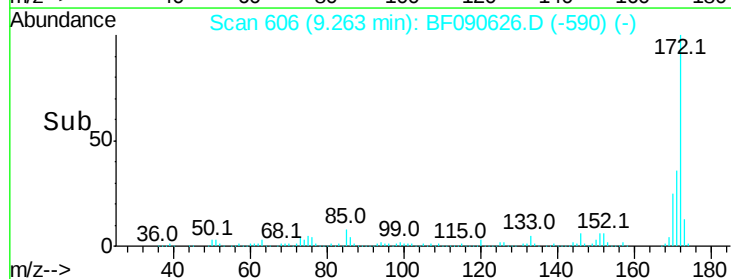
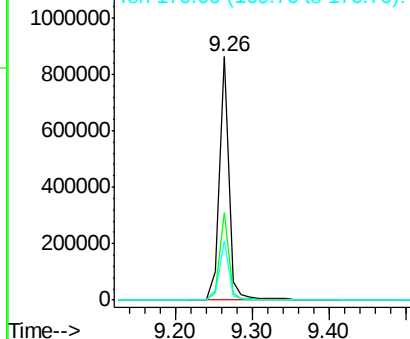


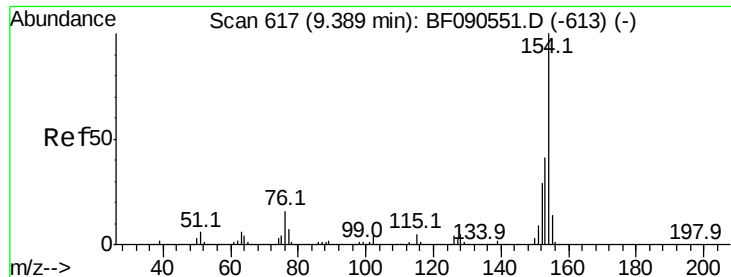
#44
 2-Fluorobiphenyl
 Concen: 30.38 ng
 RT: 9.26 min Scan# 606
 Delta R.T. -0.01 min
 Lab File: BF090626.D
 Acq: 18 Oct 2016 11:42

Tgt Ion:172 Resp: 755157
 Ion Ratio Lower Upper
 172 100
 171 36.1 30.1 45.1
 170 24.6 20.6 30.8



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 0.13 ng

RT: 9.37 min Scan# 615

Delta R.T. -0.01 min

Lab File: BF090626.D

Acq: 18 Oct 2016 11:42

Instrument :

BNA_F

ClientSampleId :

1

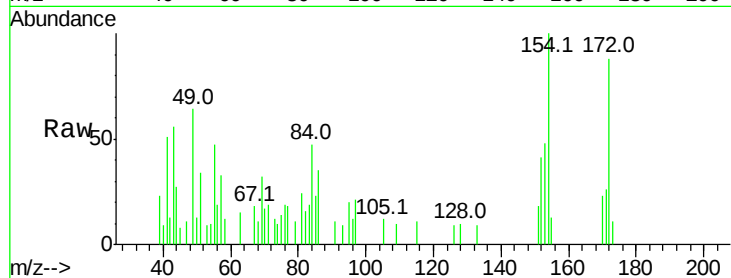
Tot Ion:154 Resp: 3988

Ion Ratio Lower Upper

154 100

153 47.6 21.5 61.5

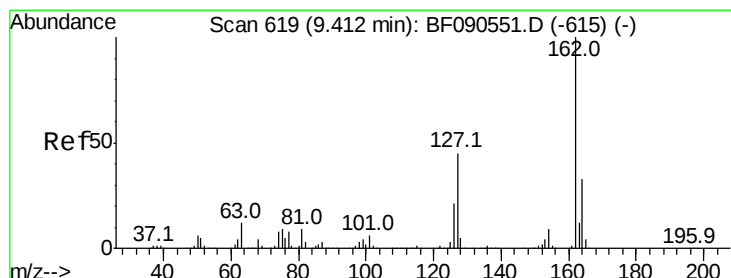
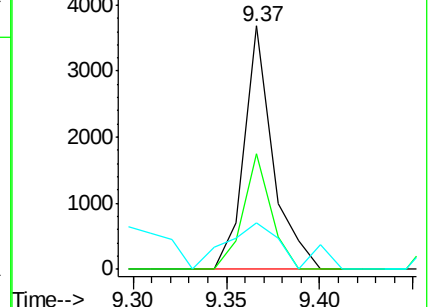
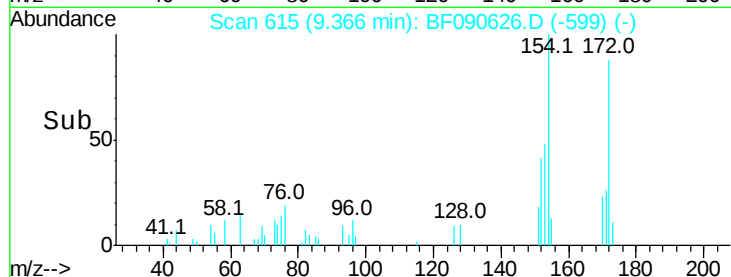
76 18.9 0.0 36.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 0.01 ng

RT: 9.53 min Scan# 629

Delta R.T. 0.13 min

Lab File: BF090626.D

Acq: 18 Oct 2016 11:42

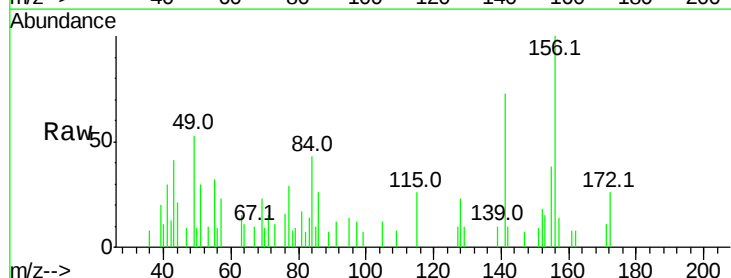
Tgt Ion:162 Resp: 239

Ion Ratio Lower Upper

162 100

127 118.4 35.9 53.9#

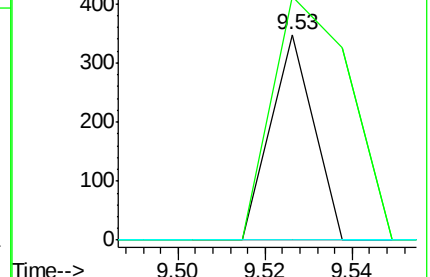
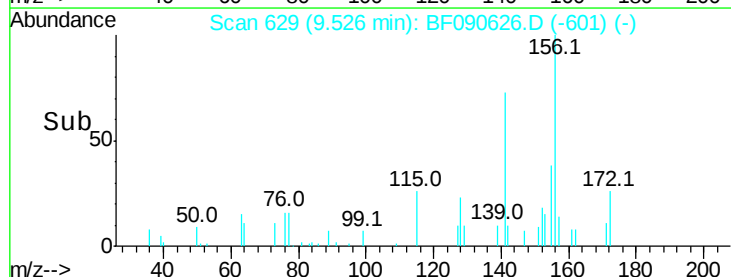
164 0.0 26.7 40.1#

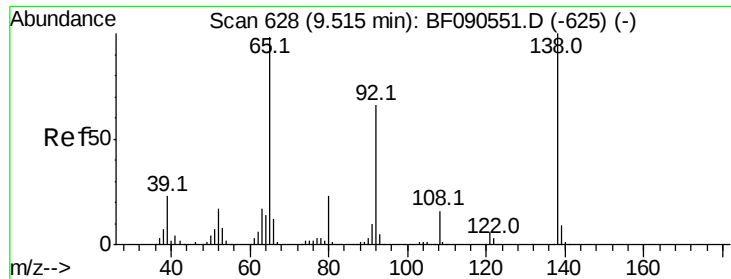


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

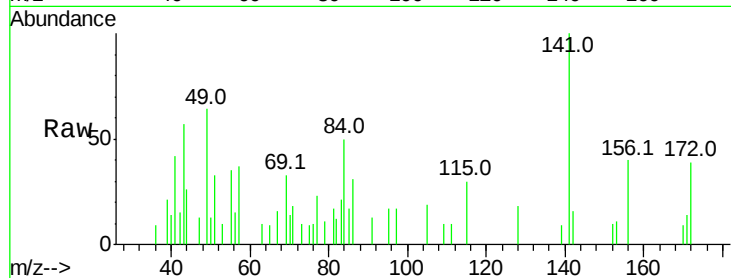




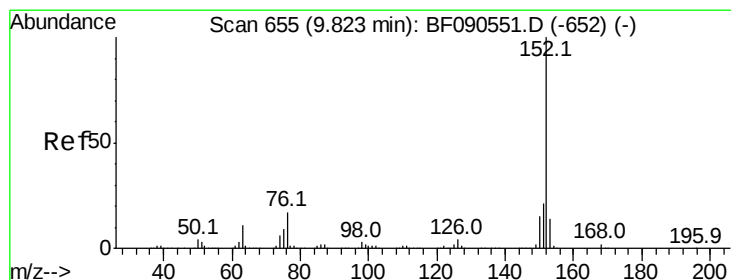
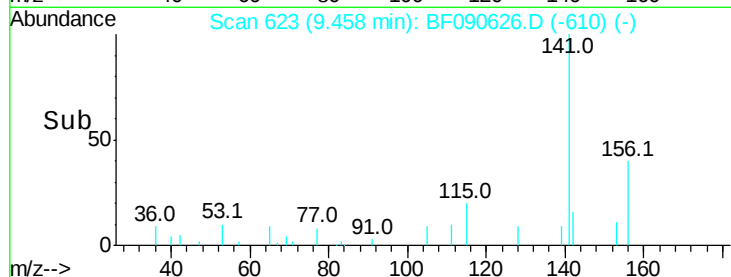
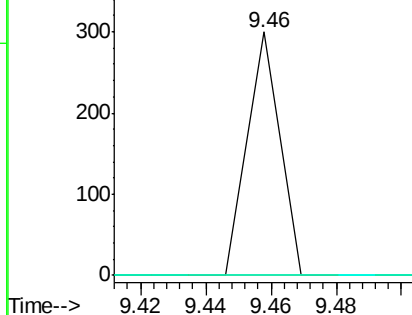
#47
2-Nitroaniline
Concen: 0.02 ng
RT: 9.46 min Scan# 623
Delta R.T. -0.05 min
Lab File: BF090626.D
Acq: 18 Oct 2016 11:42

Instrument :
BNA_F
ClientSampled :
1

Tot Ion: 65 Resp: 206
Ion Ratio Lower Upper
65 100
92 0.0 54.3 81.5#
138 0.0 81.7 122.5#

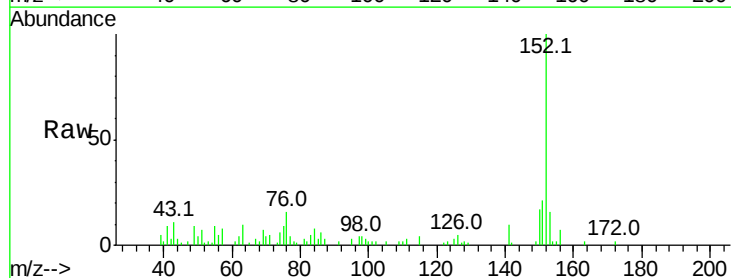


Abundance Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0
Ion 138.00 (137.70 to 138.70): BF0

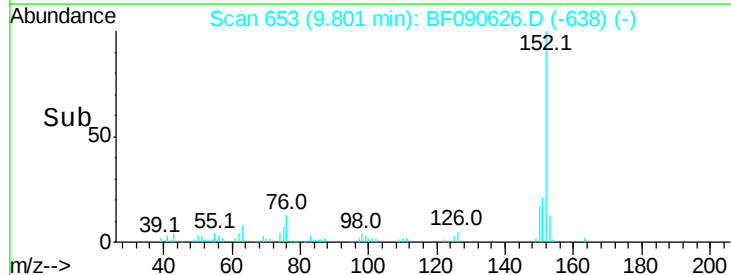
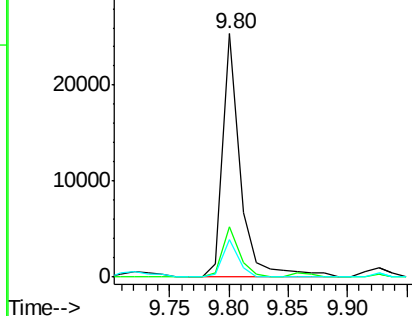


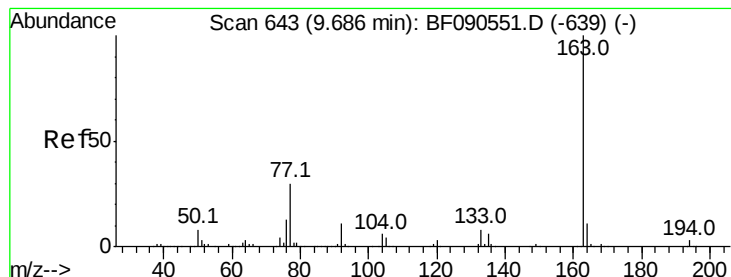
#48
Acenaphthylene
Concen: 0.71 ng
RT: 9.80 min Scan# 653
Delta R.T. -0.02 min
Lab File: BF090626.D
Acq: 18 Oct 2016 11:42

Tgt Ion: 152 Resp: 26121
Ion Ratio Lower Upper
152 100
151 20.8 16.6 25.0
153 15.5 11.3 16.9



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: 8.23 ng

RT: 9.65 min Scan# 640

Delta R.T. -0.02 min

Lab File: BF090626.D

Acq: 18 Oct 2016 11:42

Instrument :

BNA_F

ClientSampleId :

1

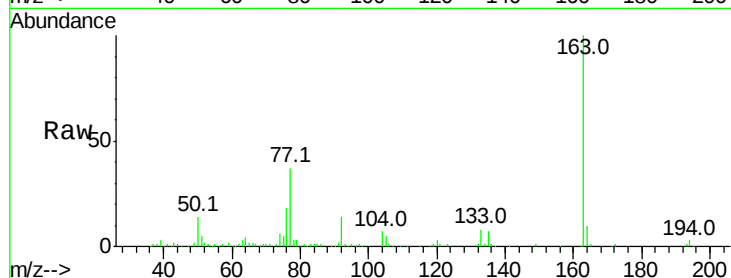
Tot Ion:163 Resp: 218838

Ion Ratio Lower Upper

163 100

194 2.6 2.3 3.5

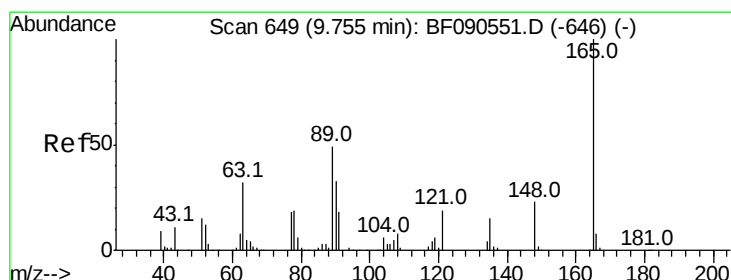
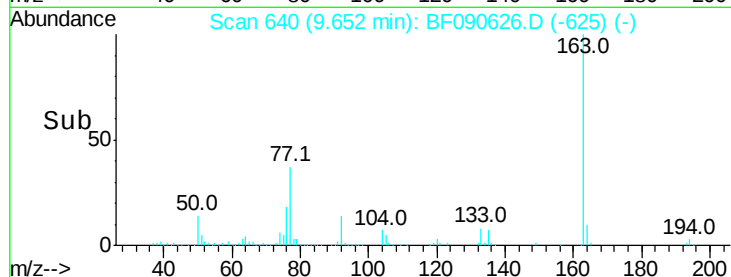
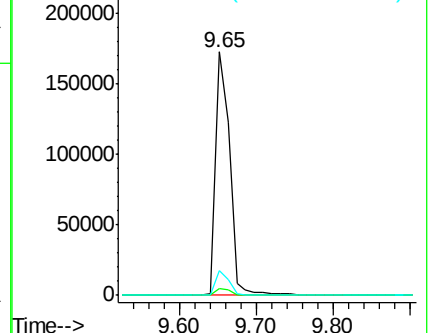
164 10.3 8.6 13.0



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 0.39 ng

RT: 9.65 min Scan# 640

Delta R.T. -0.09 min

Lab File: BF090626.D

Acq: 18 Oct 2016 11:42

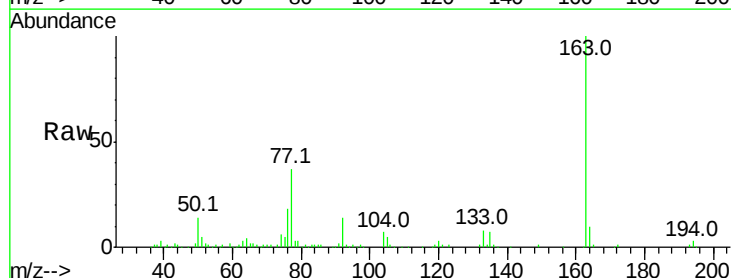
Tgt Ion:165 Resp: 2275

Ion Ratio Lower Upper

165 100

63 222.0 40.1 60.1#

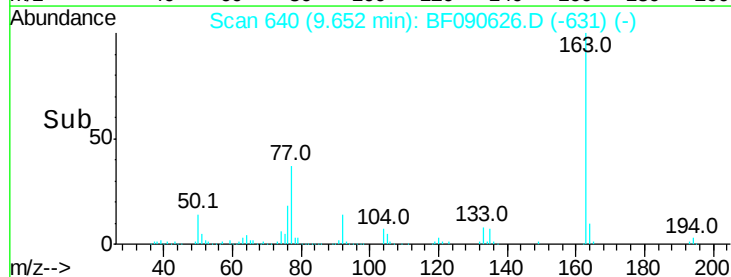
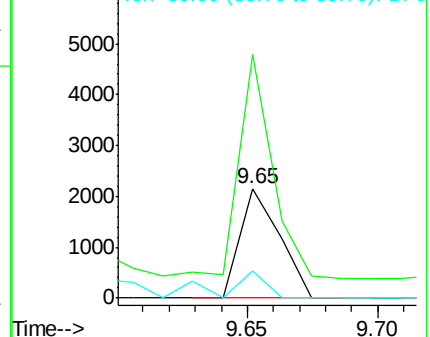
89 25.4 39.5 59.3#

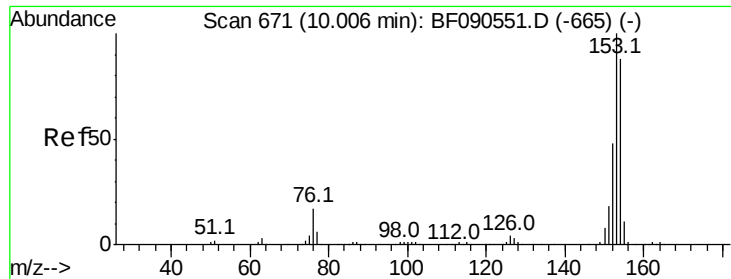


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 1.41 ng

RT: 9.97 min Scan# 668

Delta R.T. -0.02 min

Lab File: BF090626.D

Acq: 18 Oct 2016 11:42

Instrument :

BNA_F

ClientSampleId :

1

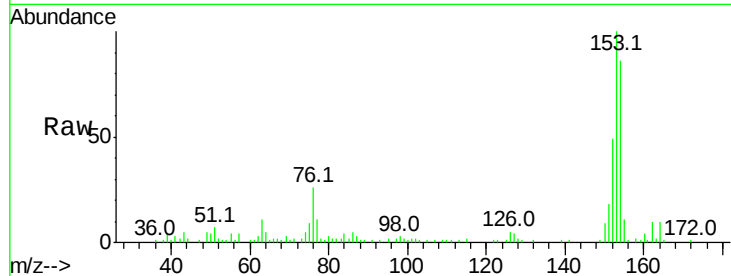
Tot Ion:154 Resp: 34579

Ion Ratio Lower Upper

154 100

153 116.9 91.2 136.8

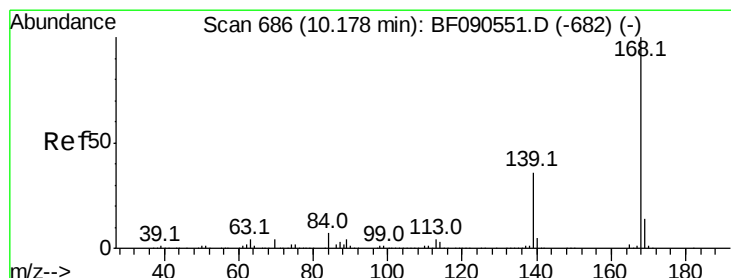
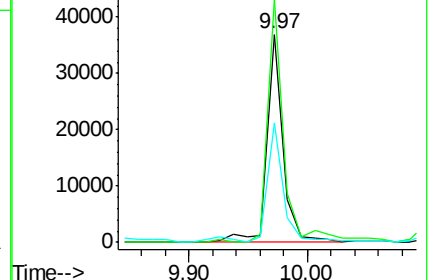
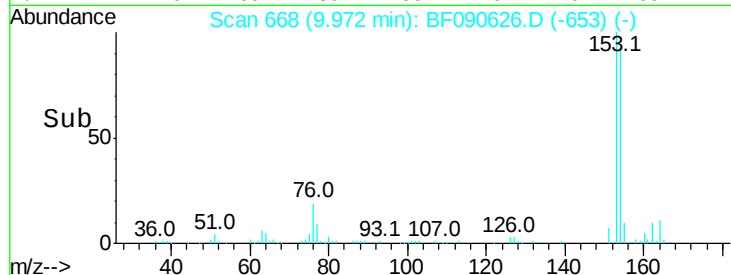
152 57.5 44.0 66.0



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



#54

Dibenzofuran

Concen: 0.86 ng

RT: 10.14 min Scan# 683

Delta R.T. -0.02 min

Lab File: BF090626.D

Acq: 18 Oct 2016 11:42

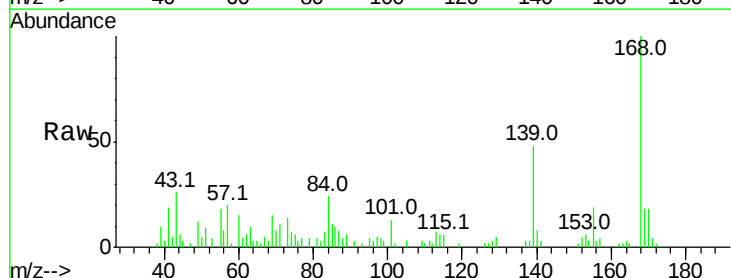
Tgt Ion:168 Resp: 27729

Ion Ratio Lower Upper

168 100

139 47.6 30.5 45.7#

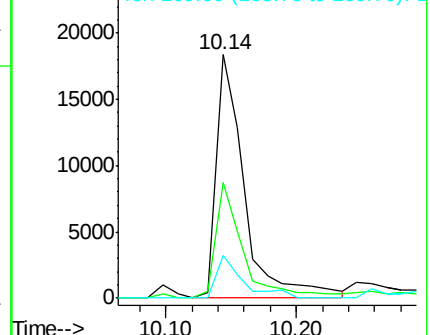
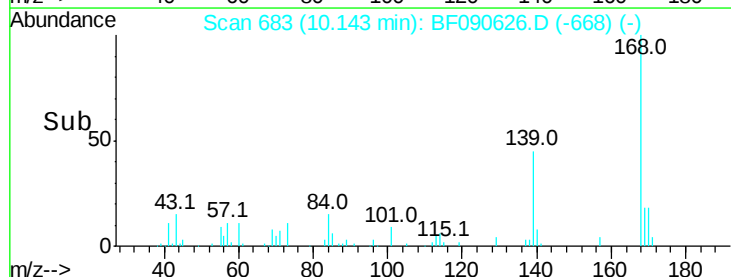
169 17.7 10.9 16.3#

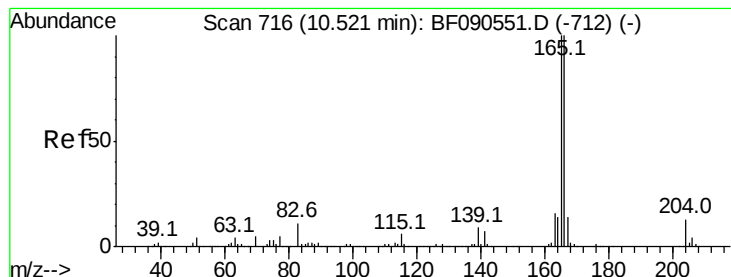


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#57

Fluorene

Concen: 1.49 ng

RT: 10.49 min Scan# 713

Delta R.T. -0.02 min

Lab File: BF090626.D

Acq: 18 Oct 2016 11:42

Instrument :

BNA_F

ClientSampled :

1

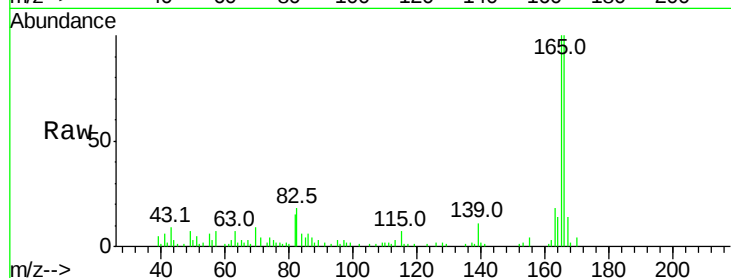
Tot Ion:166 Resp: 39888

Ion Ratio Lower Upper

166 100

165 99.9 79.9 119.9

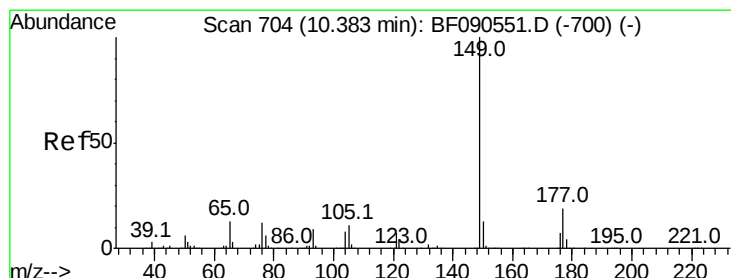
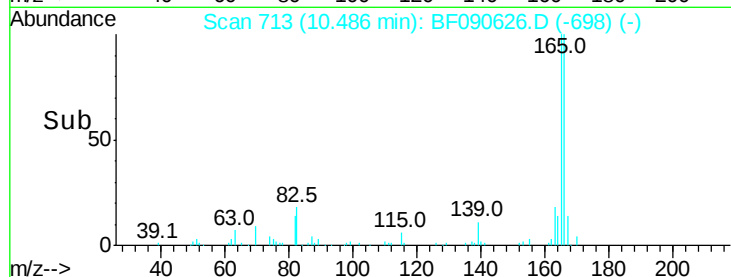
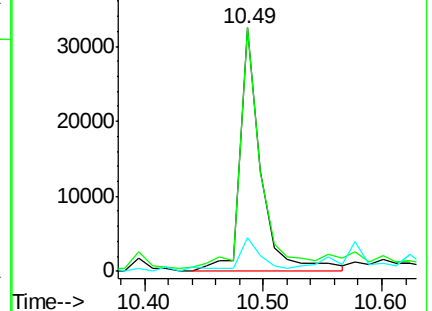
167 13.7 10.9 16.3



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#59

Diethylphthalate

Concen: 0.13 ng

RT: 10.34 min Scan# 700

Delta R.T. -0.05 min

Lab File: BF090626.D

Acq: 18 Oct 2016 11:42

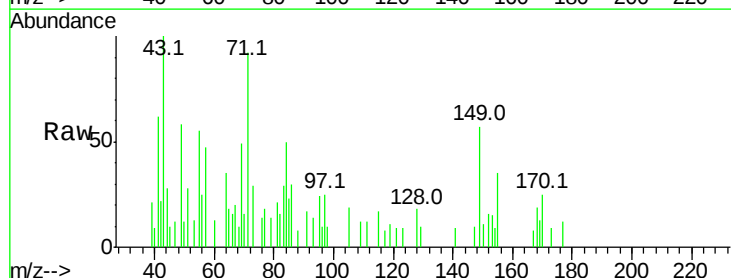
Tgt Ion:149 Resp: 3544

Ion Ratio Lower Upper

149 100

177 20.9 15.3 22.9

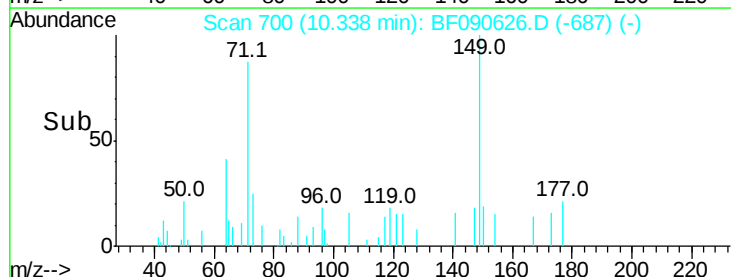
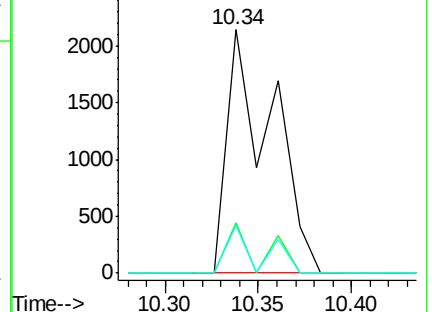
150 19.4 10.3 15.5#

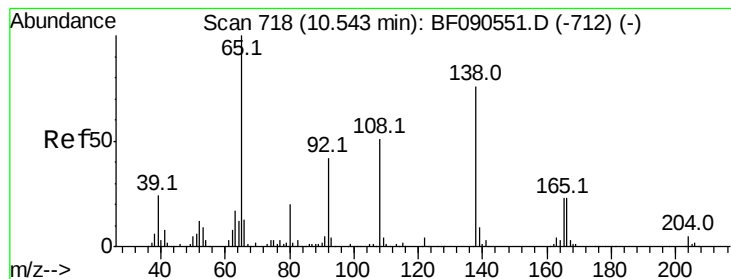


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





#61

4-Nitroaniline

Concen: 0.04 ng

RT: 10.49 min Scan# 713

Delta R.T. -0.05 min

Lab File: BF090626.D

Acq: 18 Oct 2016 11:42

Instrument :

BNA_F

ClientSampleId :

1

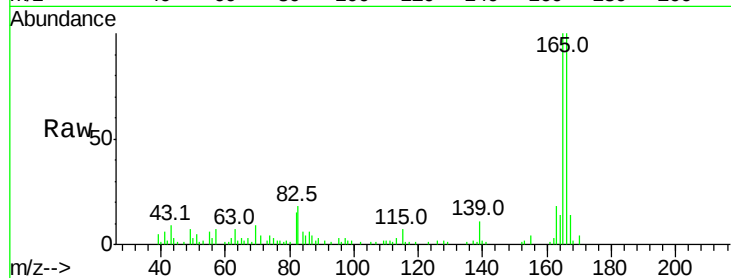
Tot Ion:138 Resp: 326

Ion Ratio Lower Upper

138 100

92 0.0 35.7 75.7#

108 0.0 46.9 86.9#



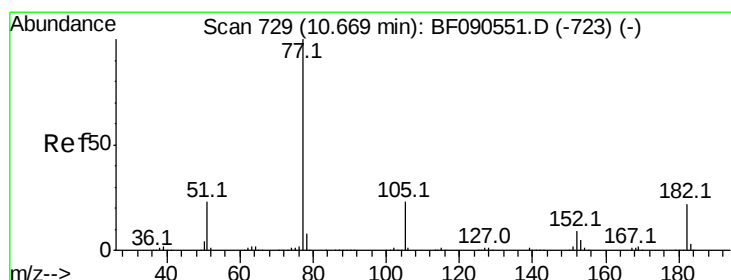
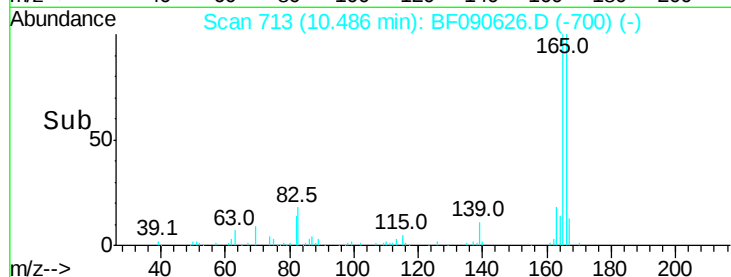
Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E

10.49

Time-->



#62

Azobenzene

Concen: 0.06 ng

RT: 10.63 min Scan# 726

Delta R.T. -0.02 min

Lab File: BF090626.D

Acq: 18 Oct 2016 11:42

Tgt Ion: 77 Resp: 1838

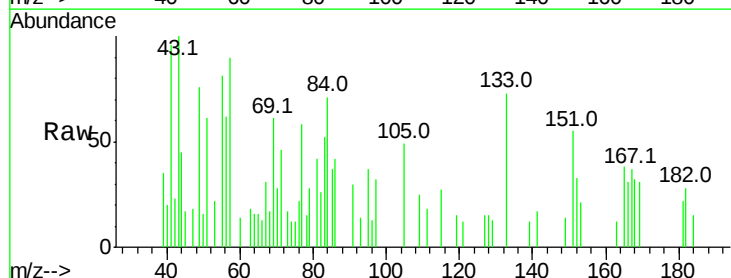
Ion Ratio Lower Upper

77 100

182 48.2 2.2 42.2#

105 85.0 3.5 43.5#

51 105.4 3.7 43.7#



Abundance Ion 77.00 (76.70 to 77.70): BF0

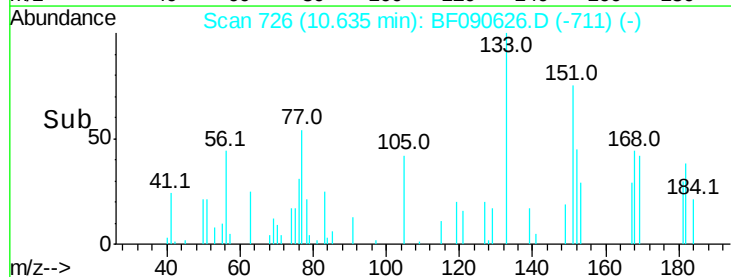
Ion 182.00 (181.70 to 182.70): E

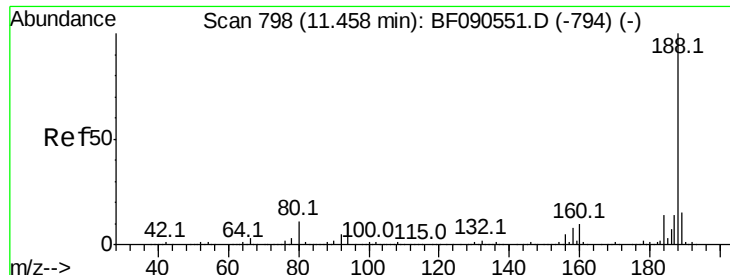
Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0

10.63

Time-->

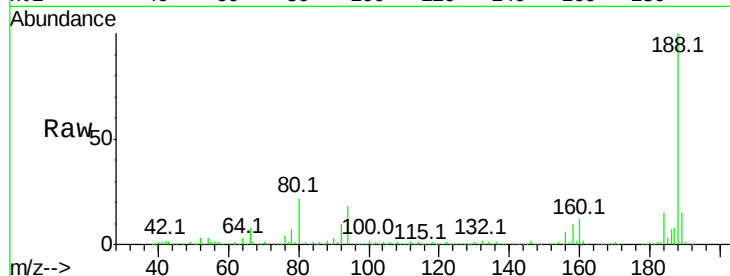




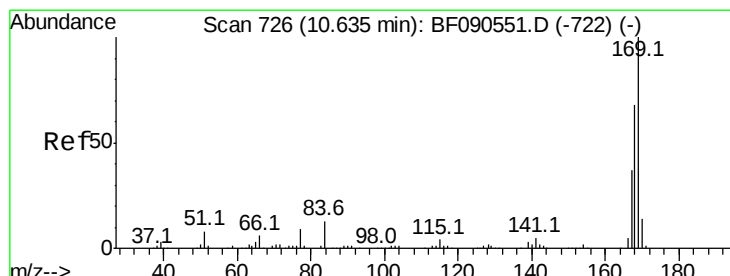
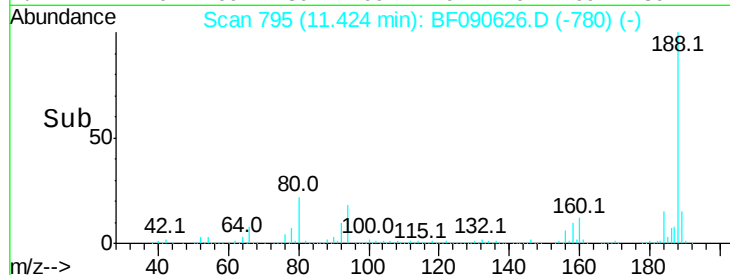
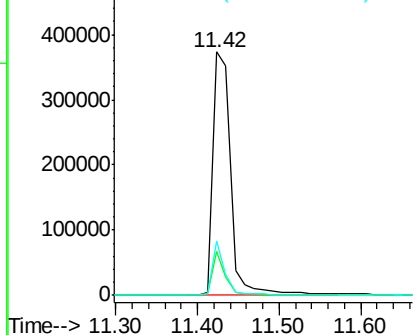
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.42 min Scan# 795
 Delta R.T. -0.02 min
 Lab File: BF090626.D
 Acq: 18 Oct 2016 11:42

Instrument :
 BNA_F
 ClientSampleId :
 1

Tot Ion:188 Resp: 573150
 Ion Ratio Lower Upper
 188 100
 94 18.2 7.7 11.5#
 80 22.0 8.6 12.8#

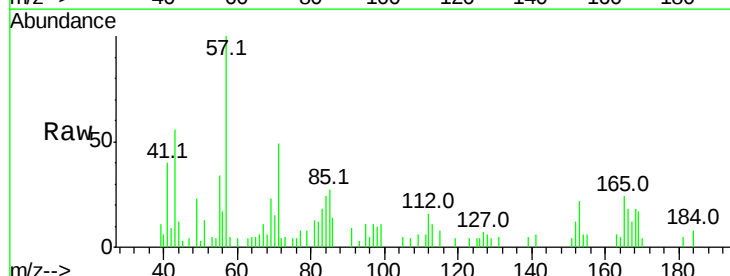


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

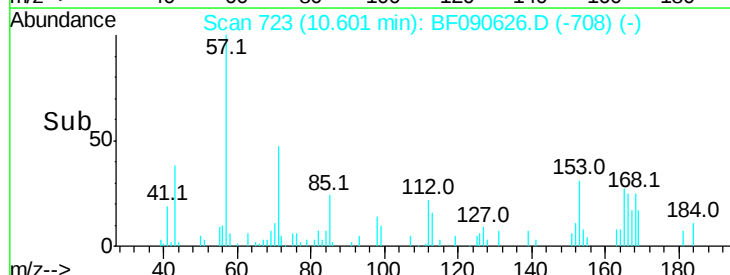
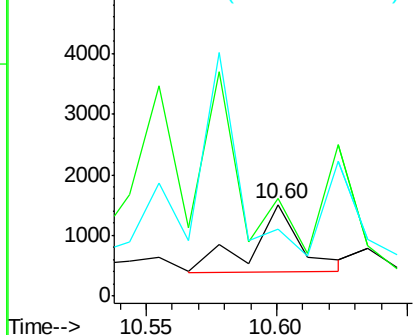


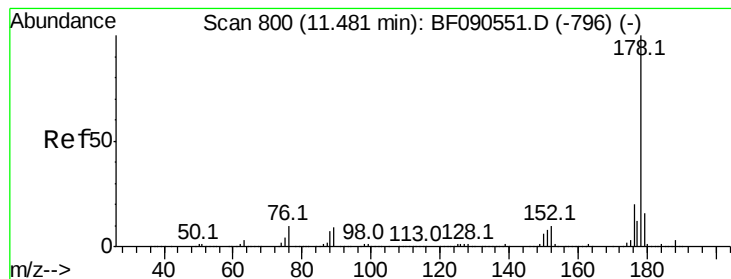
#65
 n-Nitrosodiphenylamine
 Concen: 0.08 ng
 RT: 10.60 min Scan# 723
 Delta R.T. -0.02 min
 Lab File: BF090626.D
 Acq: 18 Oct 2016 11:42

Tgt Ion:169 Resp: 1476
 Ion Ratio Lower Upper
 169 100
 168 107.2 54.6 81.8#
 167 73.9 29.8 44.8#



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





#70

Phenanthrene

Concen: 8.05 ng

RT: 11.46 min Scan# 798

Delta R.T. -0.01 min

Lab File: BF090626.D

Acq: 18 Oct 2016 11:42

Instrument :

BNA_F

ClientSampled :

1

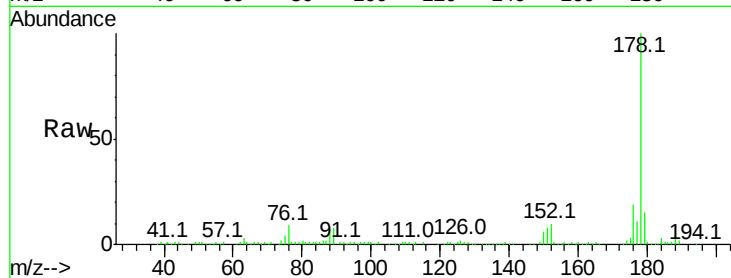
Tot Ion:178 Resp: 246249

Ion Ratio Lower Upper

178 100

176 18.6 16.1 24.1

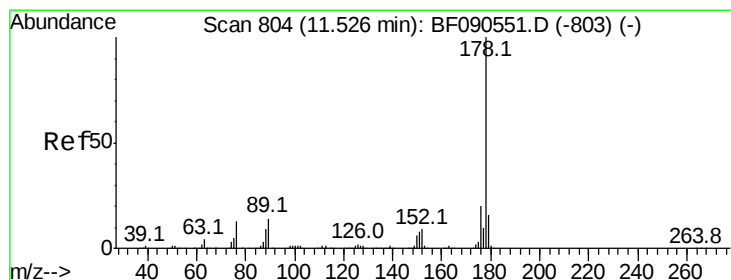
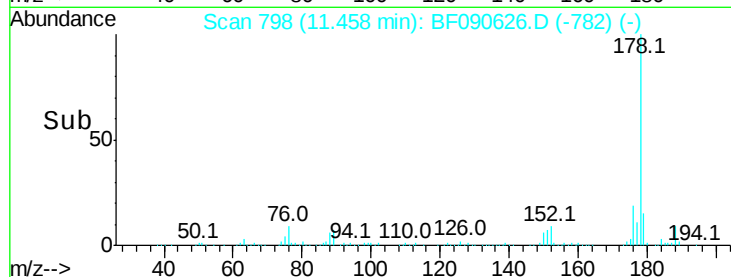
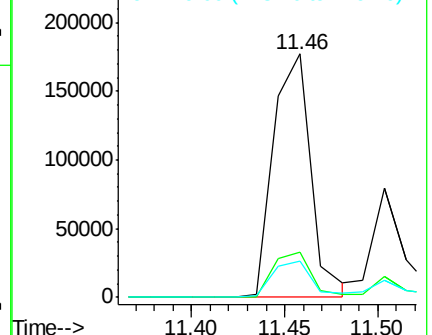
179 15.1 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 3.09 ng

RT: 11.50 min Scan# 802

Delta R.T. -0.01 min

Lab File: BF090626.D

Acq: 18 Oct 2016 11:42

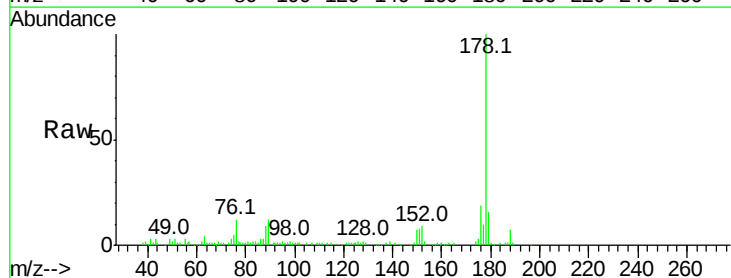
Tgt Ion:178 Resp: 101762

Ion Ratio Lower Upper

178 100

176 18.7 15.5 23.3

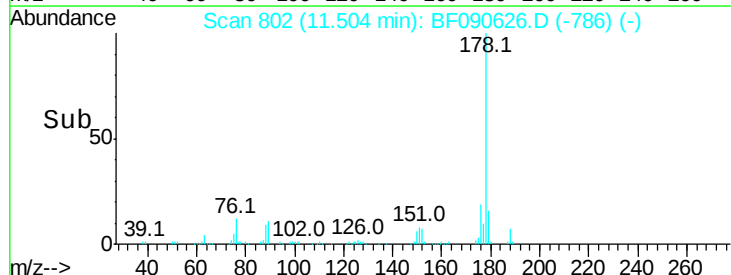
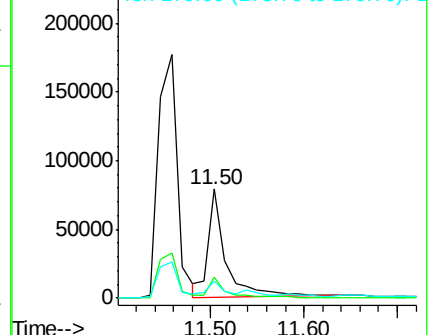
179 15.7 13.0 19.4

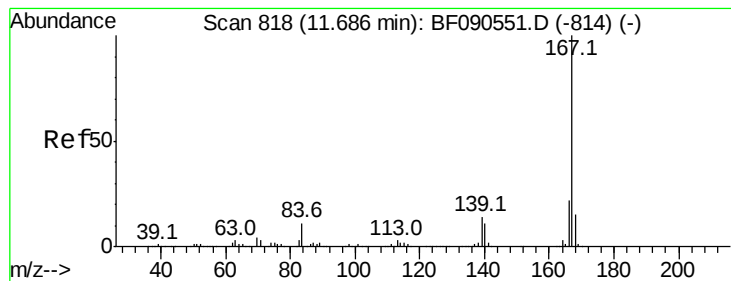


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 0.93 ng

RT: 11.66 min Scan# 816

Delta R.T. -0.01 min

Lab File: BF090626.D

Acq: 18 Oct 2016 11:42

Instrument :

BNA_F

ClientSampleId :

1

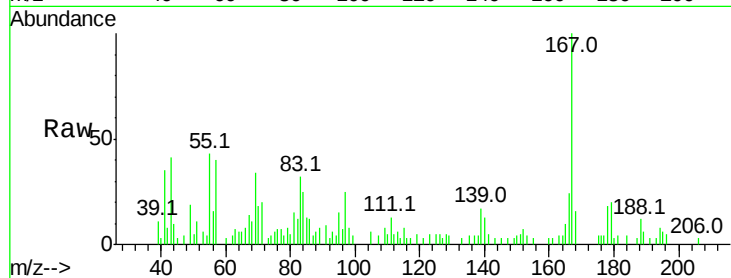
Tot Ion:167 Resp: 27531

Ion Ratio Lower Upper

167 100

166 23.7 17.8 26.8

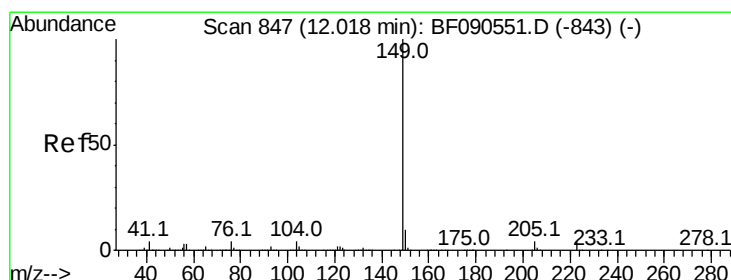
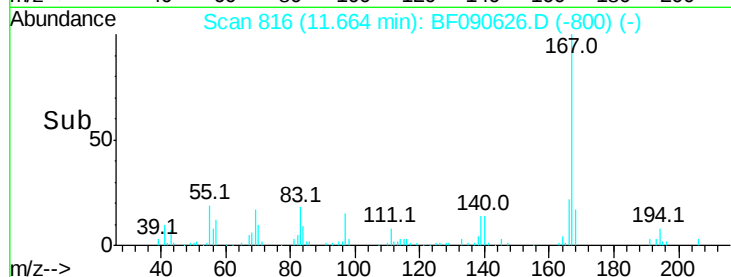
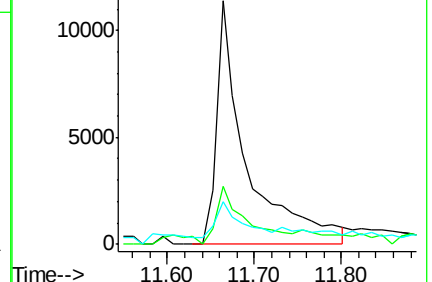
139 17.3 11.3 16.9#



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: 0.62 ng

RT: 11.98 min Scan# 844

Delta R.T. -0.02 min

Lab File: BF090626.D

Acq: 18 Oct 2016 11:42

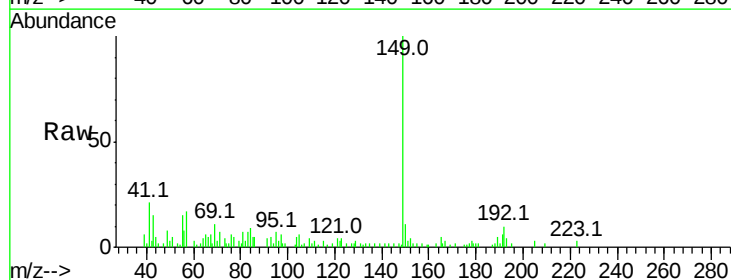
Tgt Ion:149 Resp: 21387

Ion Ratio Lower Upper

149 100

150 10.6 7.8 11.6

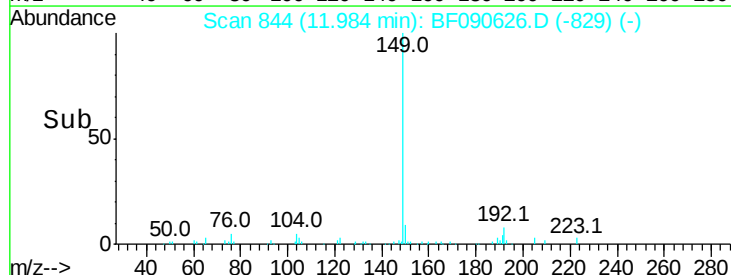
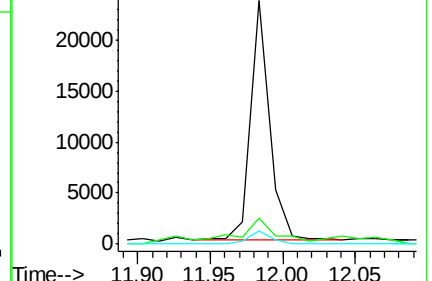
104 5.2 3.3 4.9#

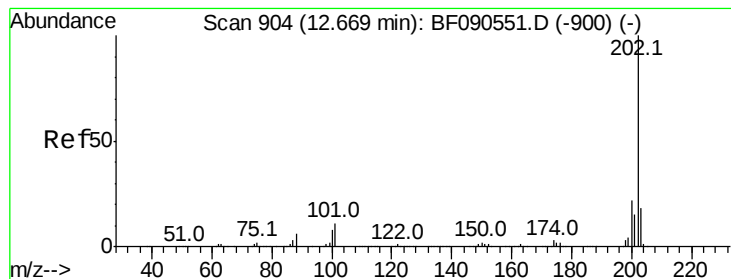


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 9.62 ng

RT: 12.65 min Scan# 902

Delta R.T. -0.01 min

Lab File: BF090626.D

Acq: 18 Oct 2016 11:42

Instrument :

BNA_F

ClientSampleId :

1

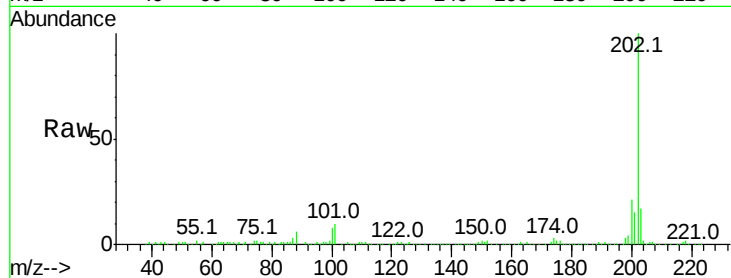
Tot Ion:202 Resp: 296048

Ion Ratio Lower Upper

202 100

101 10.1 0.0 31.1

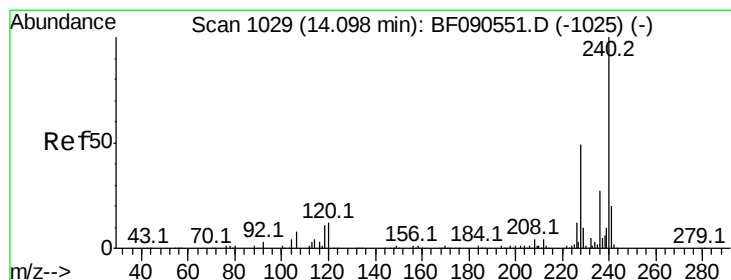
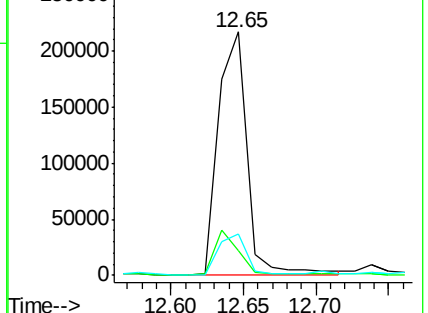
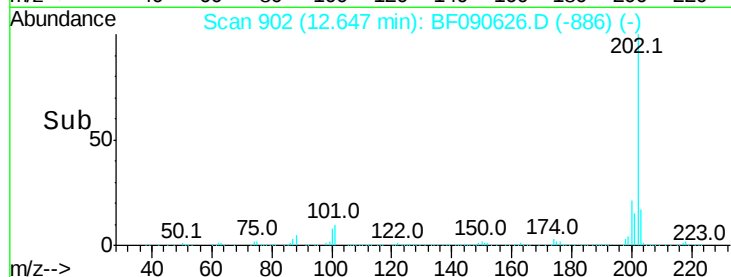
203 17.0 0.0 38.0



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: 14.08 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF090626.D

Acq: 18 Oct 2016 11:42

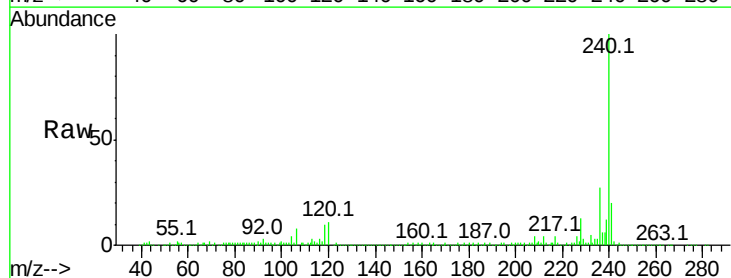
Tgt Ion:240 Resp: 434547

Ion Ratio Lower Upper

240 100

120 11.4 9.8 14.8

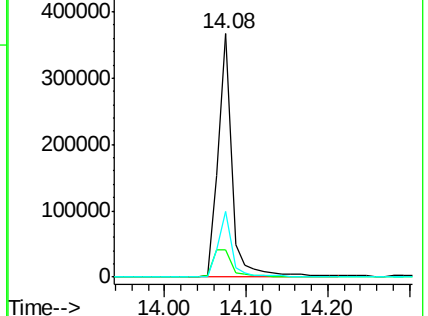
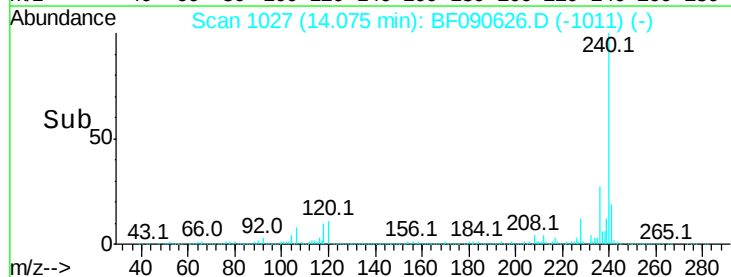
236 26.8 21.7 32.5

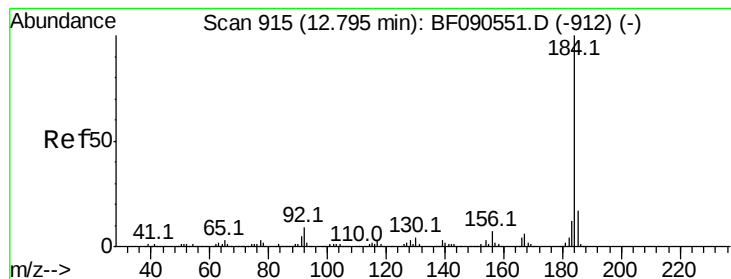


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 0.10 ng

RT: 12.82 min Scan# 917

Delta R.T. 0.03 min

Lab File: BF090626.D

Acq: 18 Oct 2016 11:42

Instrument :

BNA_F

ClientSampled :

1

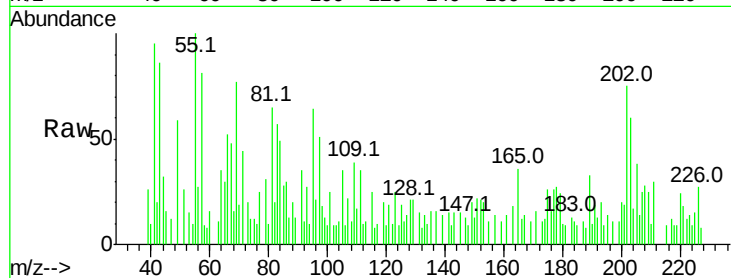
Tot Ion:184 Resp: 1057

Ion Ratio Lower Upper

184 100

185 85.4 13.4 20.0#

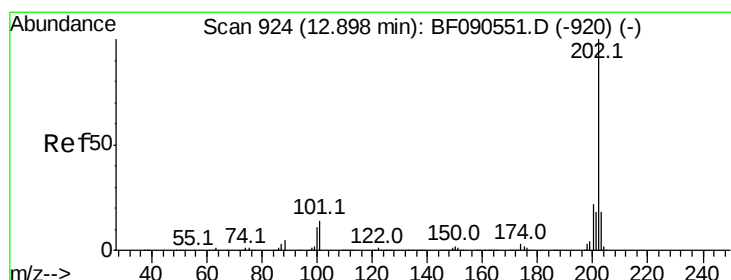
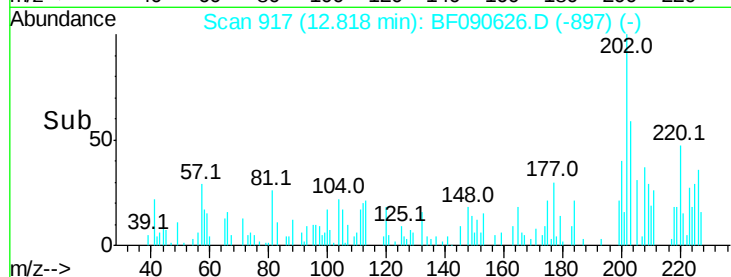
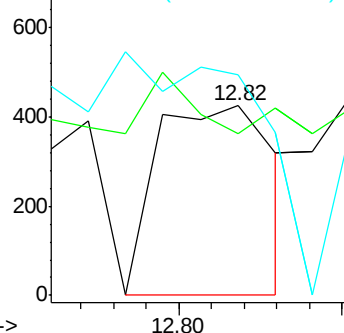
183 116.5 9.4 14.0#



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

Pyrene

Concen: 10.38 ng

RT: 12.88 min Scan# 922

Delta R.T. -0.01 min

Lab File: BF090626.D

Acq: 18 Oct 2016 11:42

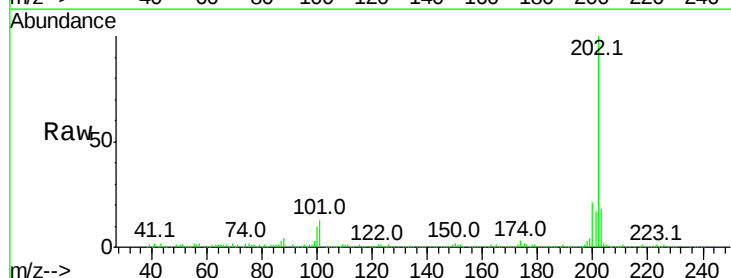
Tgt Ion:202 Resp: 298697

Ion Ratio Lower Upper

202 100

200 21.4 17.8 26.6

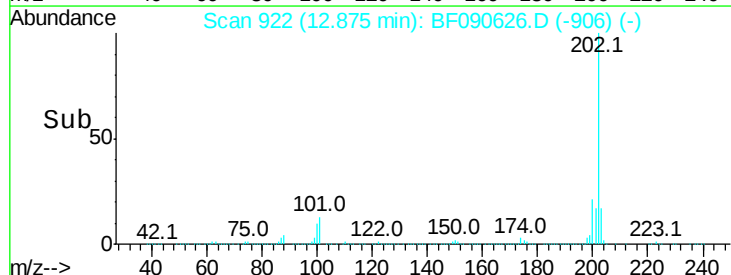
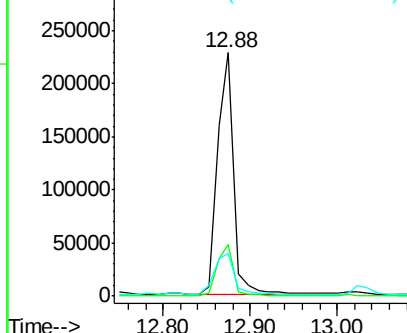
203 17.7 14.6 21.8

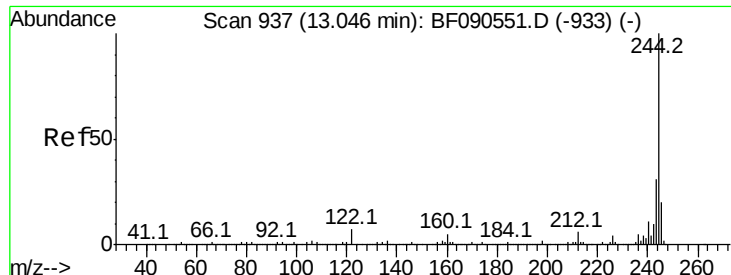


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

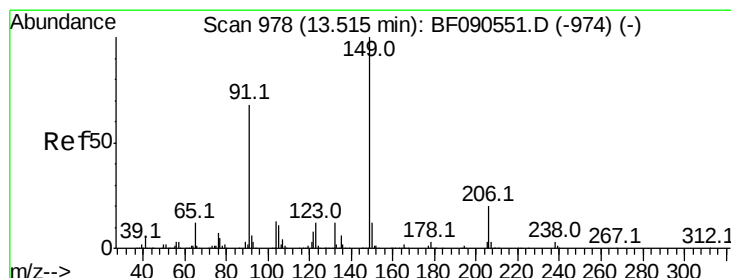
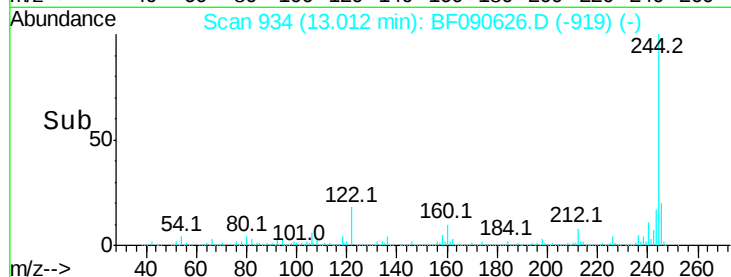
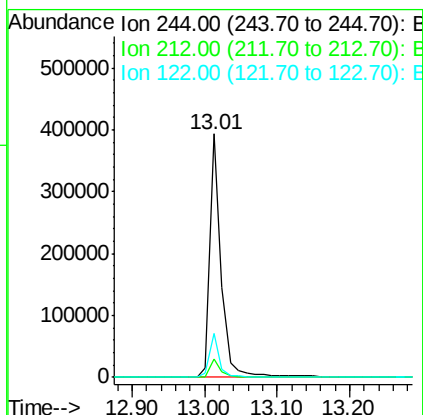
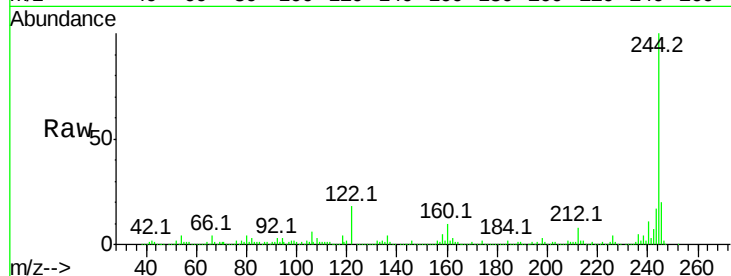




#78
 Terphenyl-d14
 Concen: 22.95 ng
 RT: 13.01 min Scan# 934
 Delta R.T. -0.02 min
 Lab File: BF090626.D
 Acq: 18 Oct 2016 11:42

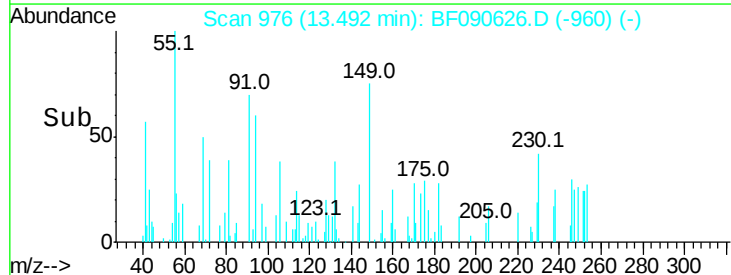
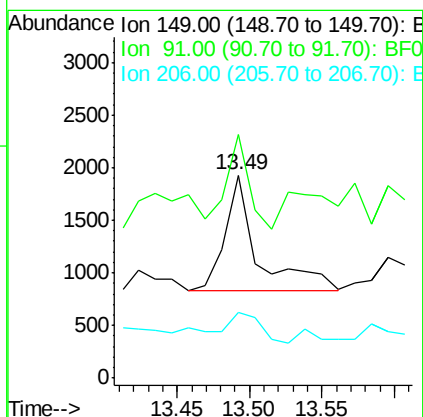
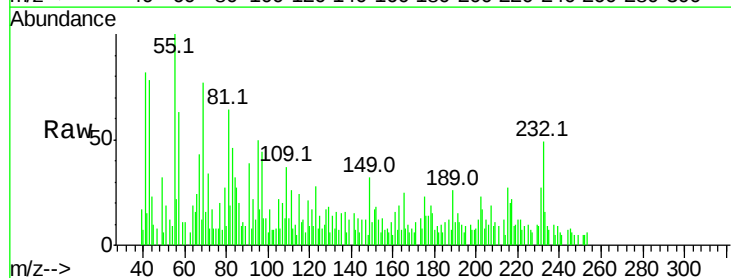
Instrument :
 BNA_F
 ClientSampled :
 1

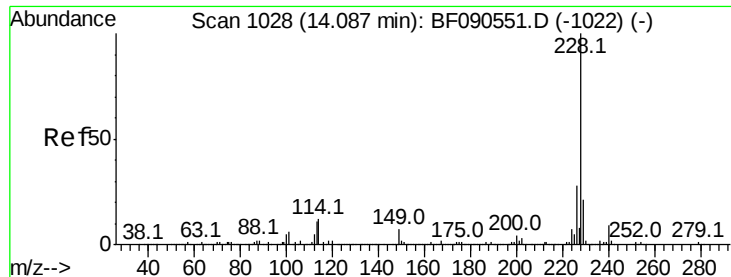
Tot Ion:244 Resp: 428364
 Ion Ratio Lower Upper
 244 100
 212 7.7 5.0 7.4#
 122 18.2 5.6 8.4#



#79
 Butylbenzylphthalate
 Concen: 0.14 ng
 RT: 13.49 min Scan# 976
 Delta R.T. -0.01 min
 Lab File: BF090626.D
 Acq: 18 Oct 2016 11:42

Tgt Ion:149 Resp: 1746
 Ion Ratio Lower Upper
 149 100
 91 119.9 54.3 81.5#
 206 32.2 15.8 23.6#





#80

Benzo(a)anthracene

Concen: 6.18 ng/mL

RT: 14.06 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BF090626.D

Acq: 18 Oct 2016 11:42

Instrument :

BNA_F

ClientSampleId :

1

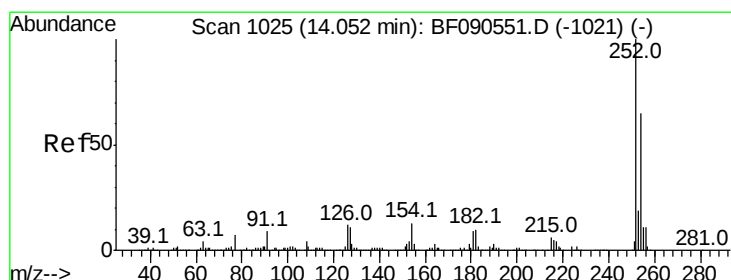
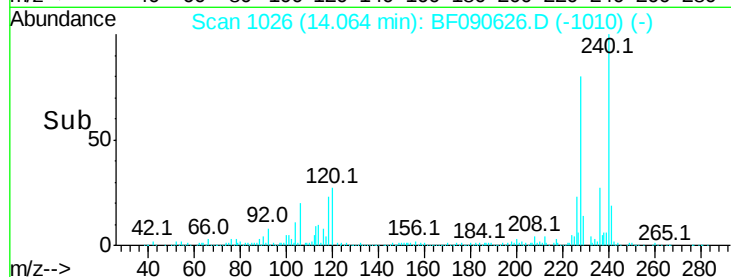
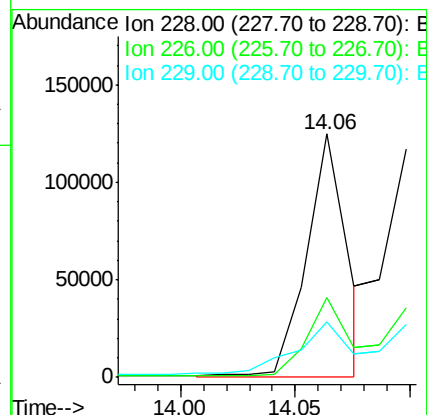
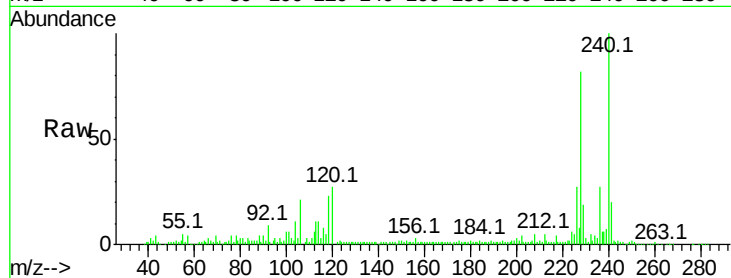
Tot Ion:228 Resp: 152964

Ion Ratio Lower Upper

228 100

226 33.0 22.8 34.2

229 22.7 16.6 25.0



#81

3,3'-Dichlorobenzidine

Concen: 0.17 ng/mL

RT: 14.03 min Scan# 1023

Delta R.T. -0.01 min

Lab File: BF090626.D

Acq: 18 Oct 2016 11:42

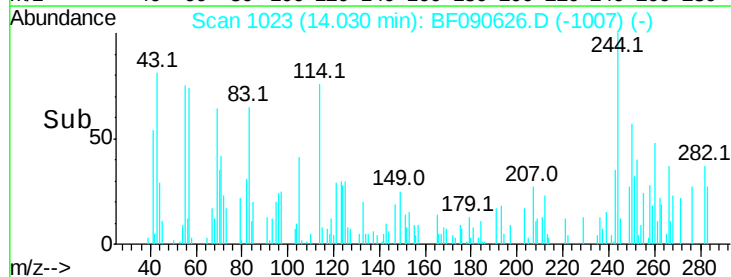
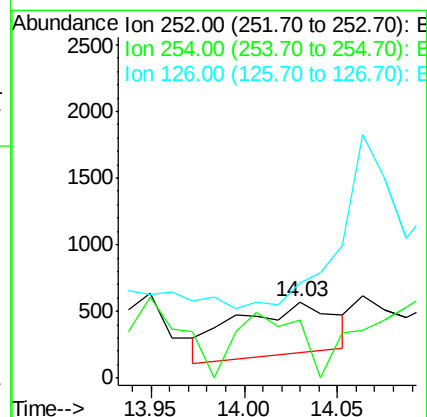
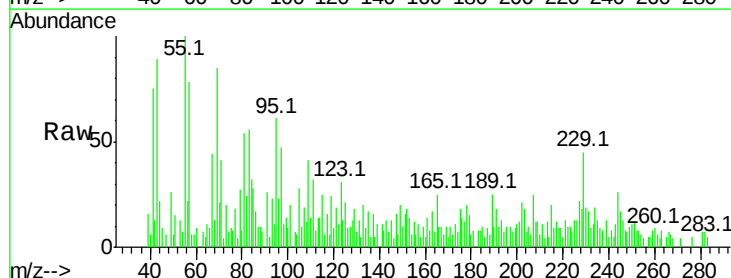
Tgt Ion:252 Resp: 1438

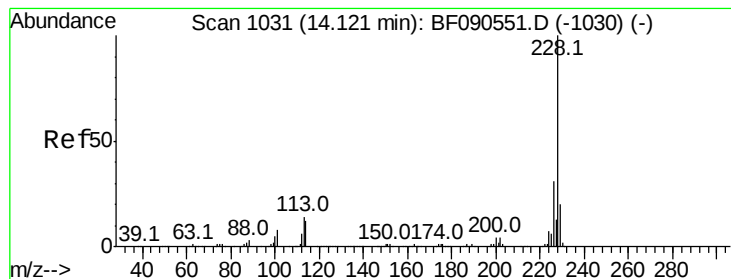
Ion Ratio Lower Upper

252 100

254 75.3 52.1 78.1

126 125.1 9.3 13.9#





#82

Chrysene

Concen: 6.45 ng/mL

RT: 14.10 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BF090626.D

Acq: 18 Oct 2016 11:42

Instrument :

BNA_F

ClientSampleId :

1

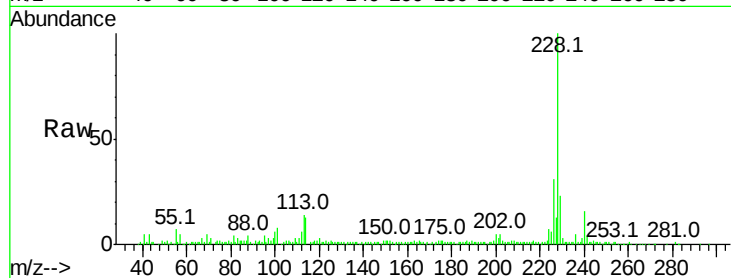
Tot Ion: 228 Resp: 153661

Ion Ratio Lower Upper

228 100

226 30.7 24.8 37.2

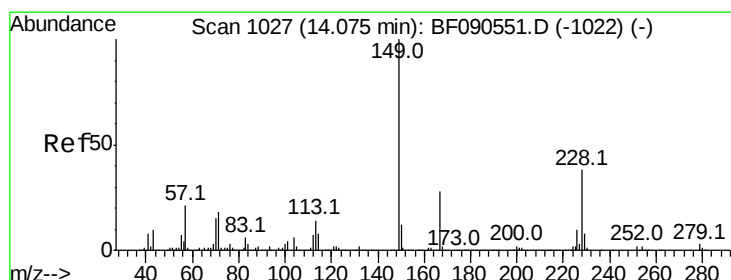
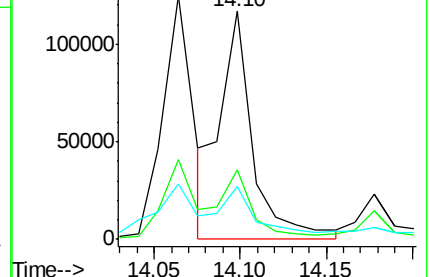
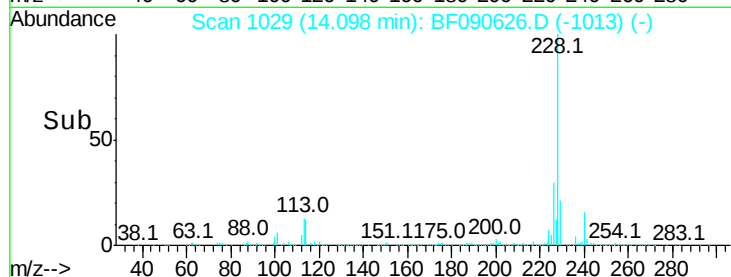
229 23.3 16.2 24.4



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 0.52 ng/mL

RT: 14.05 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF090626.D

Acq: 18 Oct 2016 11:42

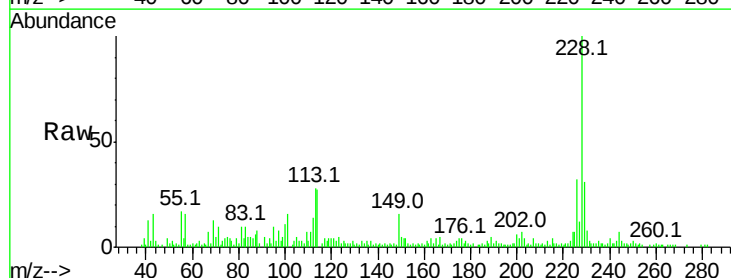
Tgt Ion: 149 Resp: 9023

Ion Ratio Lower Upper

149 100

167 30.5 22.1 33.1

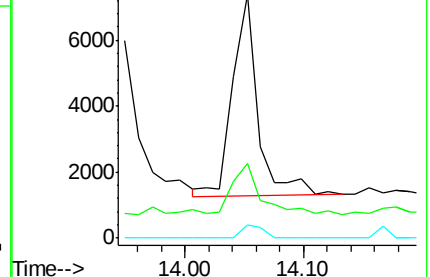
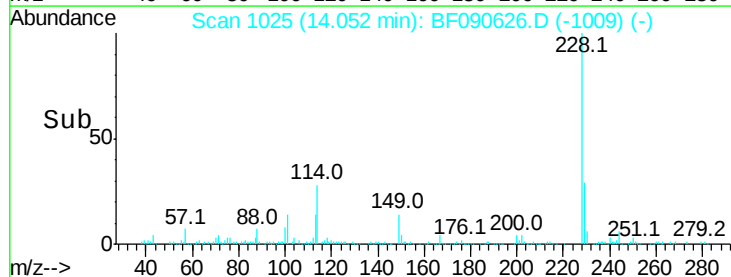
279 5.6 2.6 4.0#

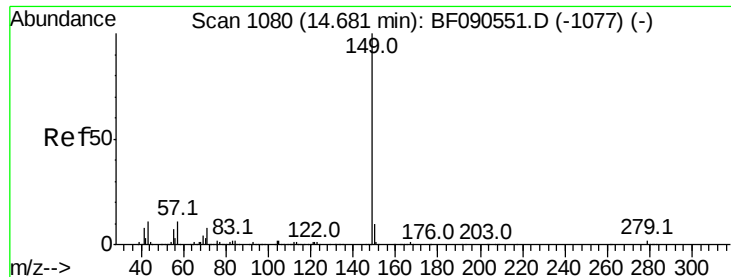


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Di-n-octyl phthalate

Concen: 0.17 ng

RT: 14.70 min Scan# 1082

Delta R.T. 0.02 min

Lab File: BF090626.D

Acq: 18 Oct 2016 11:42

Instrument :

BNA_F

ClientSampleId :

1

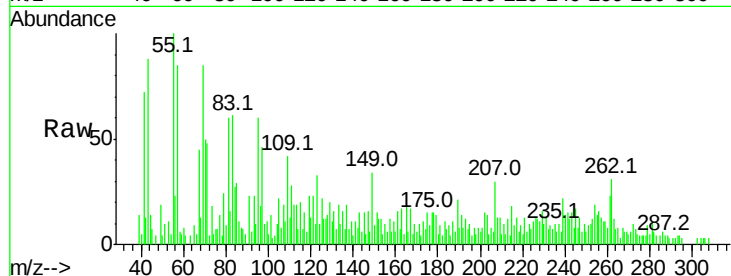
Tot Ion:149 Resp: 3846

Ion Ratio Lower Upper

149 100

167 43.7 1.2 1.8#

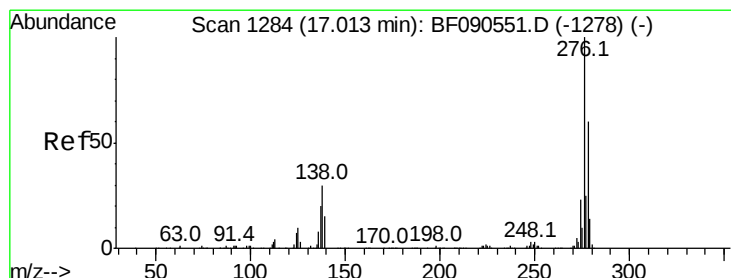
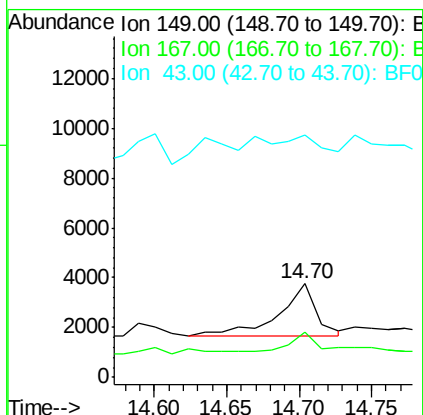
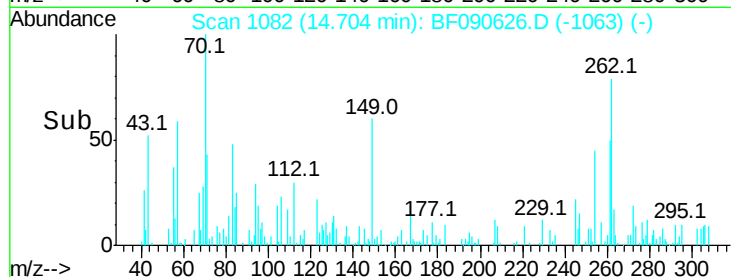
43 0.0 6.7 10.1#



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: 10.96 ng

RT: 16.98 min Scan# 1281

Delta R.T. -0.01 min

Lab File: BF090626.D

Acq: 18 Oct 2016 11:42

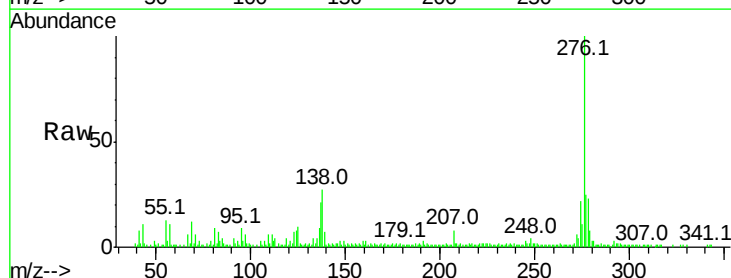
Tgt Ion:276 Resp: 151075

Ion Ratio Lower Upper

276 100

138 28.3 25.8 38.6

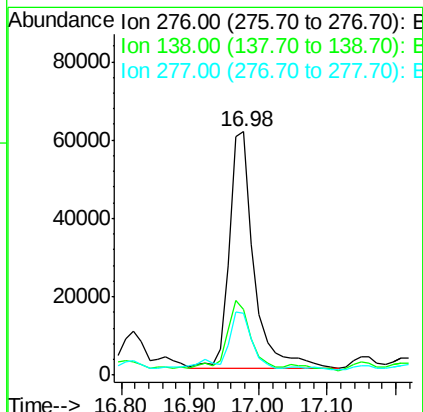
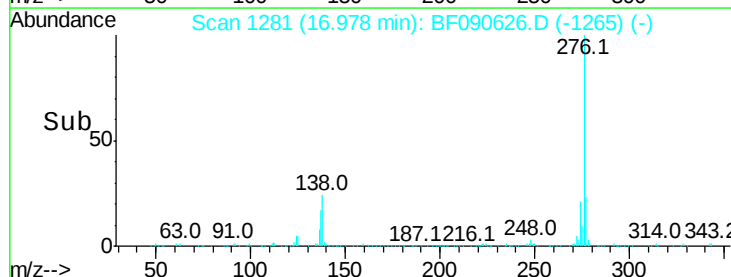
277 25.1 20.1 30.1

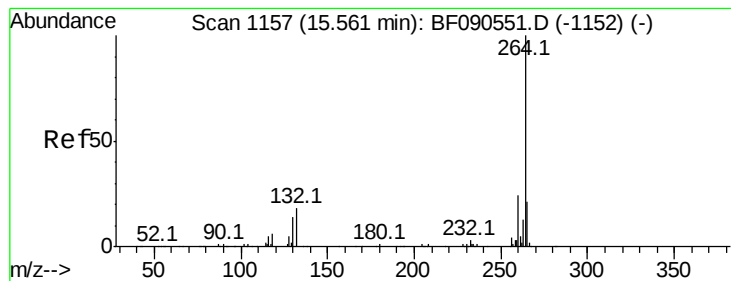


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.54 min Scan# 1155

Delta R.T. -0.00 min

Lab File: BF090626.D

Acq: 18 Oct 2016 11:42

Instrument :

BNA_F

ClientSampleId :

1

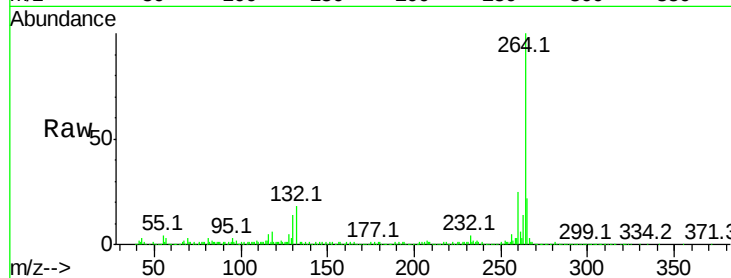
Tot Ion:264 Resp: 493974

Ion Ratio Lower Upper

264 100

260 25.4 19.3 28.9

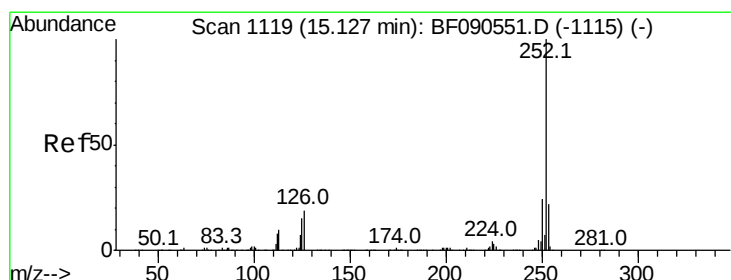
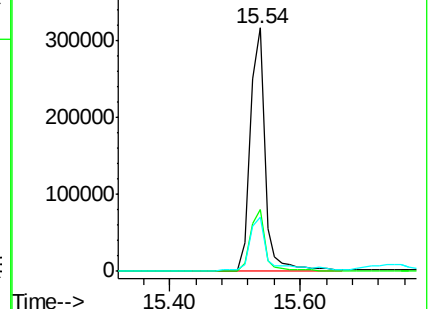
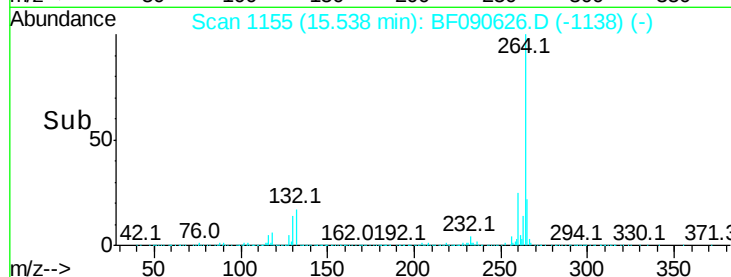
265 22.2 16.7 25.1



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 8.79 ng m

RT: 15.10 min Scan# 1117

Delta R.T. -0.01 min

Lab File: BF090626.D

Acq: 18 Oct 2016 11:42

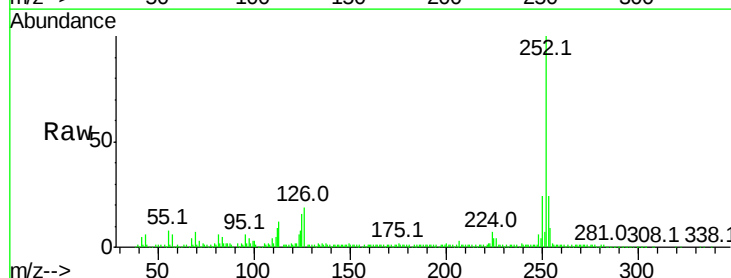
Tgt Ion:252 Resp: 284247

Ion Ratio Lower Upper

252 100

253 24.4 17.8 26.8

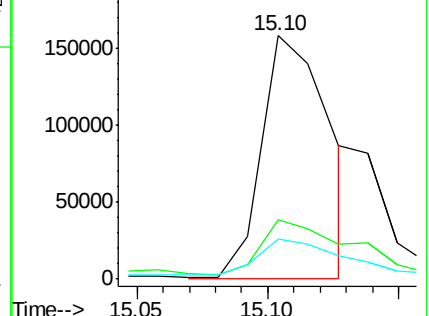
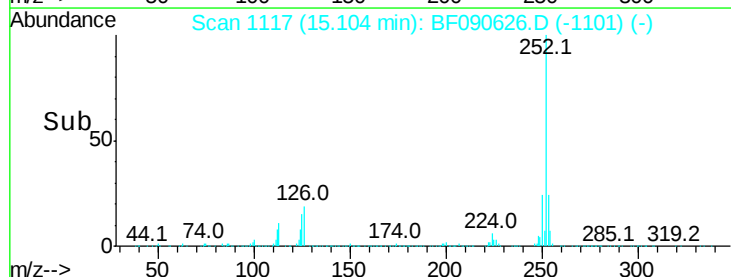
125 16.4 12.0 18.0

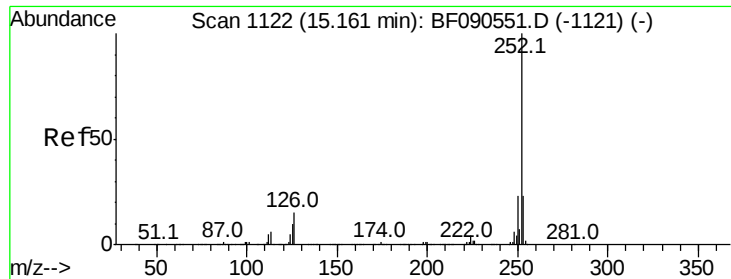


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

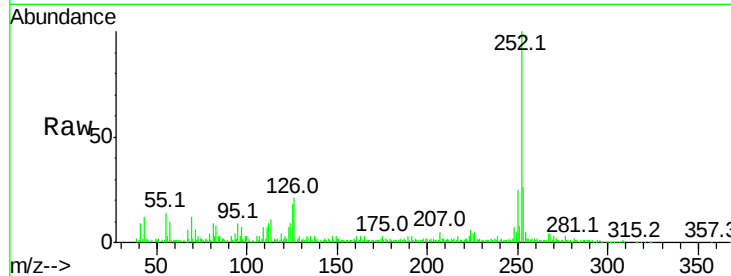




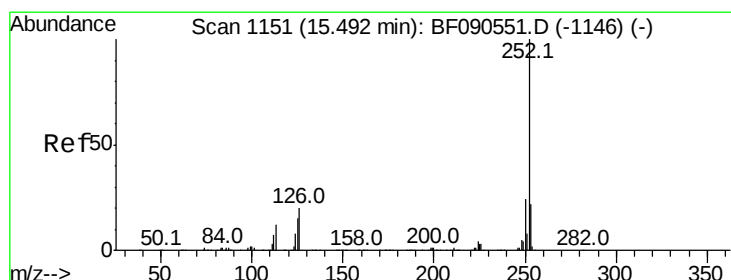
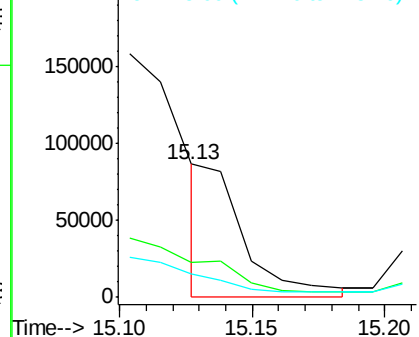
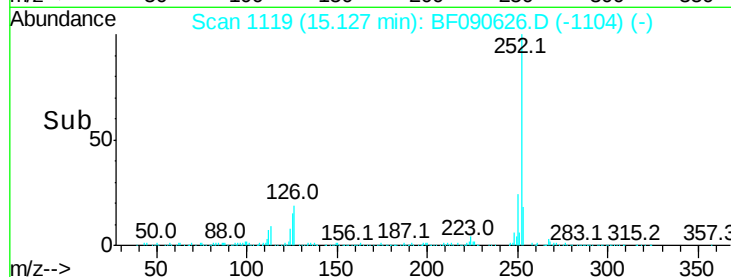
#88
Benzo(k)fluoranthene
Concen: 2.57 ng m
RT: 15.13 min Scan# 1119
Delta R.T. -0.02 min
Lab File: BF090626.D
Acq: 18 Oct 2016 11:42

Instrument :
BNA_F
ClientSampleId :
1

Tot Ion:252 Resp: 89507
Ion Ratio Lower Upper
252 100
253 26.1 18.0 27.0
125 18.0 10.0 15.0#

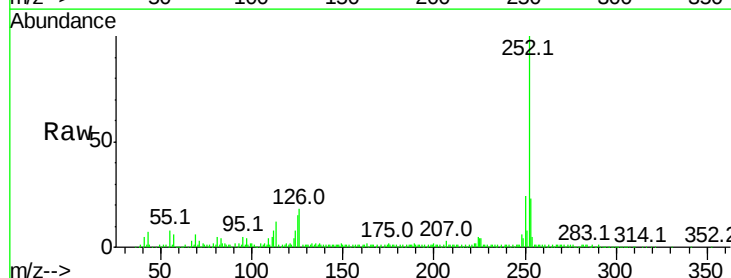


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

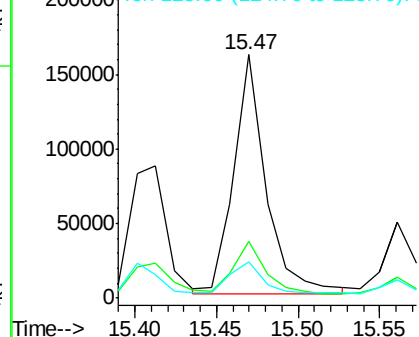
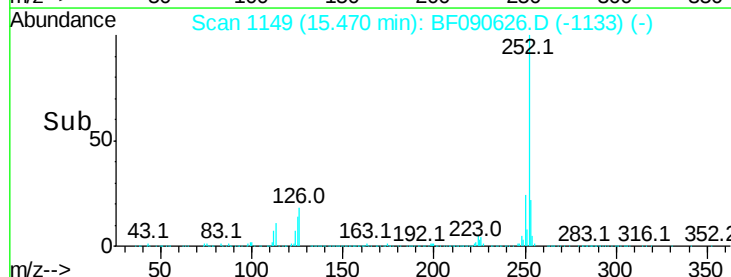


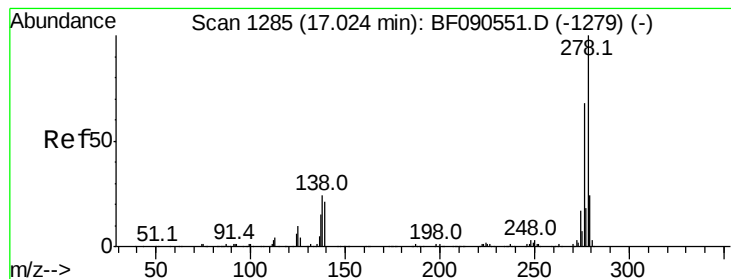
#89
Benzo(a)pyrene
Concen: 7.37 ng
RT: 15.47 min Scan# 1149
Delta R.T. -0.01 min
Lab File: BF090626.D
Acq: 18 Oct 2016 11:42

Tgt Ion:252 Resp: 218239
Ion Ratio Lower Upper
252 100
253 23.4 17.9 26.9
125 15.1 12.3 18.5



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





#90

Dibenzo(a,h)anthracene

Concen: 1.28 ng

RT: 16.99 min Scan# 1282

Delta R.T. -0.02 min

Lab File: BF090626.D

Acq: 18 Oct 2016 11:42

Instrument :

BNA_F

ClientSampleId :

1

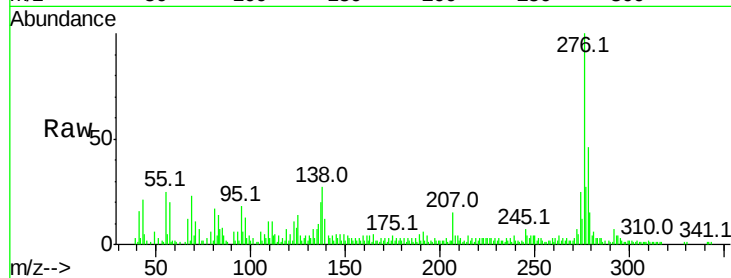
Tot Ion:278 Resp: 28806

Ion Ratio Lower Upper

278 100

139 26.9 16.6 25.0#

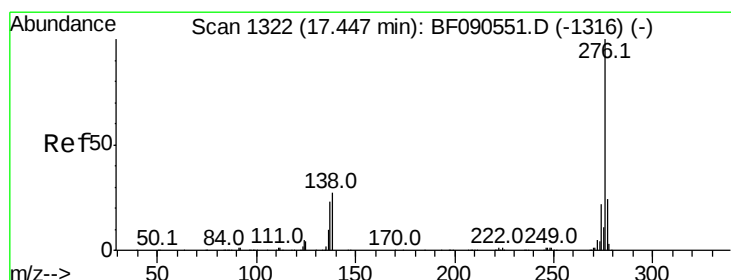
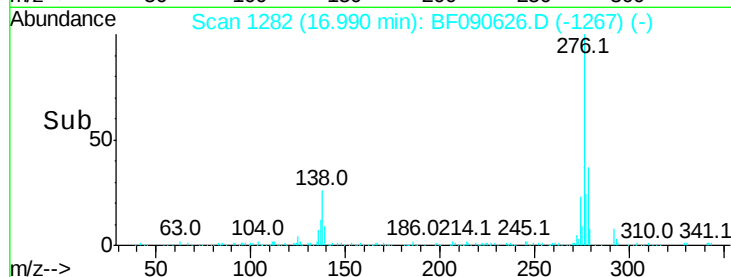
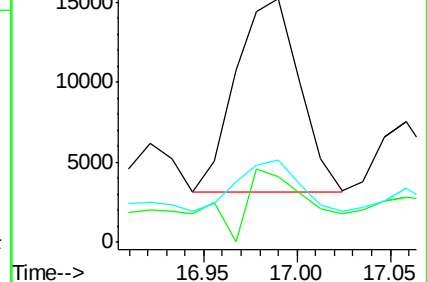
279 33.9 19.1 28.7#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 6.65 ng

RT: 17.41 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF090626.D

Acq: 18 Oct 2016 11:42

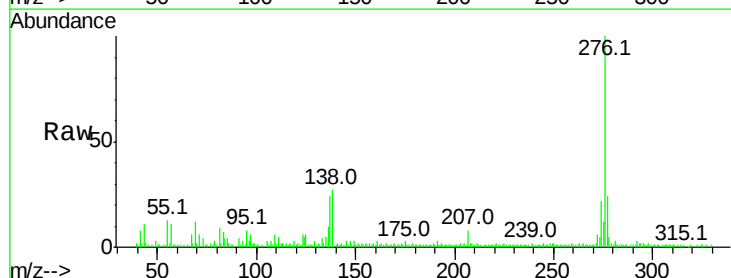
Tgt Ion:276 Resp: 143041

Ion Ratio Lower Upper

276 100

277 24.0 18.8 28.2

138 26.9 21.8 32.8



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

