

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020116\
 Data File : BF084726.D
 Acq On : 1 Feb 2016 23:09
 Operator : SJ/IZ
 Sample : H1256-18DL 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 9024DL

Quant Time: Feb 02 12:25:12 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 01 14:55:11 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	155484	20.00	ng	-0.02
21) Naphthalene-d8	8.00	136	656360	20.00	ng	-0.02
38) Acenaphthene-d10	9.74	164	298227	20.00	ng	-0.02
63) Phenanthrene-d10	11.23	188	585287	20.00	ng	-0.01
75) Chrysene-d12	13.86	240	446050	20.00	ng	-0.01
86) Perylene-d12	15.24	264	317841	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	213855	21.42	ng	-0.01
7) Phenol-d6	6.35	99	287848	23.26	ng	-0.02
23) Nitrobenzene-d5	7.28	82	166502	14.29	ng	-0.02
41) 2,4,6-Tribromophenol	10.53	330	71122	22.86	ng	-0.02
44) 2-Fluorobiphenyl	9.07	172	309256	12.79	ng	-0.02
78) Terphenyl-d14	12.81	244	313405	15.92	ng	-0.02

Target Compounds				Qvalue		
8) 2-Chlorophenol	6.49	128	313017	27.70	ng	86
10) Phenol	6.36	94	81379	5.87	ng	90
11) bis(2-Chloroethyl)ether	6.44	93	144371	13.35	ng	# 76
14) 1,2-Dichlorobenzene	6.88	146	284507	25.60	ng	97
17) 2-Methylphenol	6.98	107	128924	14.43	ng	98
18) Hexachloroethane	7.22	117	99584	21.67	ng	91
19) n-Nitroso-di-n-propylamine	7.13	70	252398	32.54	ng	# 73
20) 3+4-Methylphenols	7.14	107	290925	26.23	ng	90
24) Nitrobenzene	7.30	77	424373	34.01	ng	95
25) Isophorone	7.54	82	431689	19.05	ng	98
26) 2-Nitrophenol	7.62	139	141961	23.07	ng	95
28) bis(2-Chloroethoxy)methane	7.76	93	286041	21.28	ng	99
29) 2,4-Dichlorophenol	7.86	162	151035	16.49	ng	95
30) 1,2,4-Trichlorobenzene	7.94	180	87290	8.44	ng	95
31) Naphthalene	8.02	128	882295	26.80	ng	99
34) Hexachlorobutadiene	8.14	225	86233	14.46	ng	99
36) 4-Chloro-3-methylphenol	8.56	107	258950	24.78	ng	93
42) 2,4,6-Trichlorophenol	8.99	196	62131	10.18	ng	98
43) 2,4,5-Trichlorophenol	9.04	196	117302	18.92	ng	93
46) 2-Chloronaphthalene	9.20	162	456277	23.26	ng	92
54) Dibenzofuran	9.95	168	394415	16.66	ng	95
56) 2,4-Dinitrotoluene	9.94	165	65061	10.28	ng	# 92
57) Fluorene	10.29	166	530089	26.82	ng	100
59) Diethylphthalate	10.18	149	720983	32.51	ng	98
60) 4-Chlorophenyl-phenylether	10.29	204	365181	43.78	ng	99
66) 4-Bromophenyl-phenylether	10.78	248	186905	28.91	ng	92
67) Hexachlorobenzene	10.84	284	102204	14.51	ng	96
69) Pentachlorophenol	11.04	266	77045	23.27	ng	98
70) Phenanthrene	11.25	178	365212	11.25	ng	99
71) Anthracene	11.30	178	533733	16.32	ng	99
74) Fluoranthene	12.43	202	723642	22.02	ng	99
77) Pyrene	12.66	202	687614	20.13	ng	99
79) Butylbenzylphthalate	13.29	149	395384	25.52	ng	# 82
80) Benzo(a)anthracene	13.85	228	157138	5.68	ng	99

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Response via : Initial Calibration

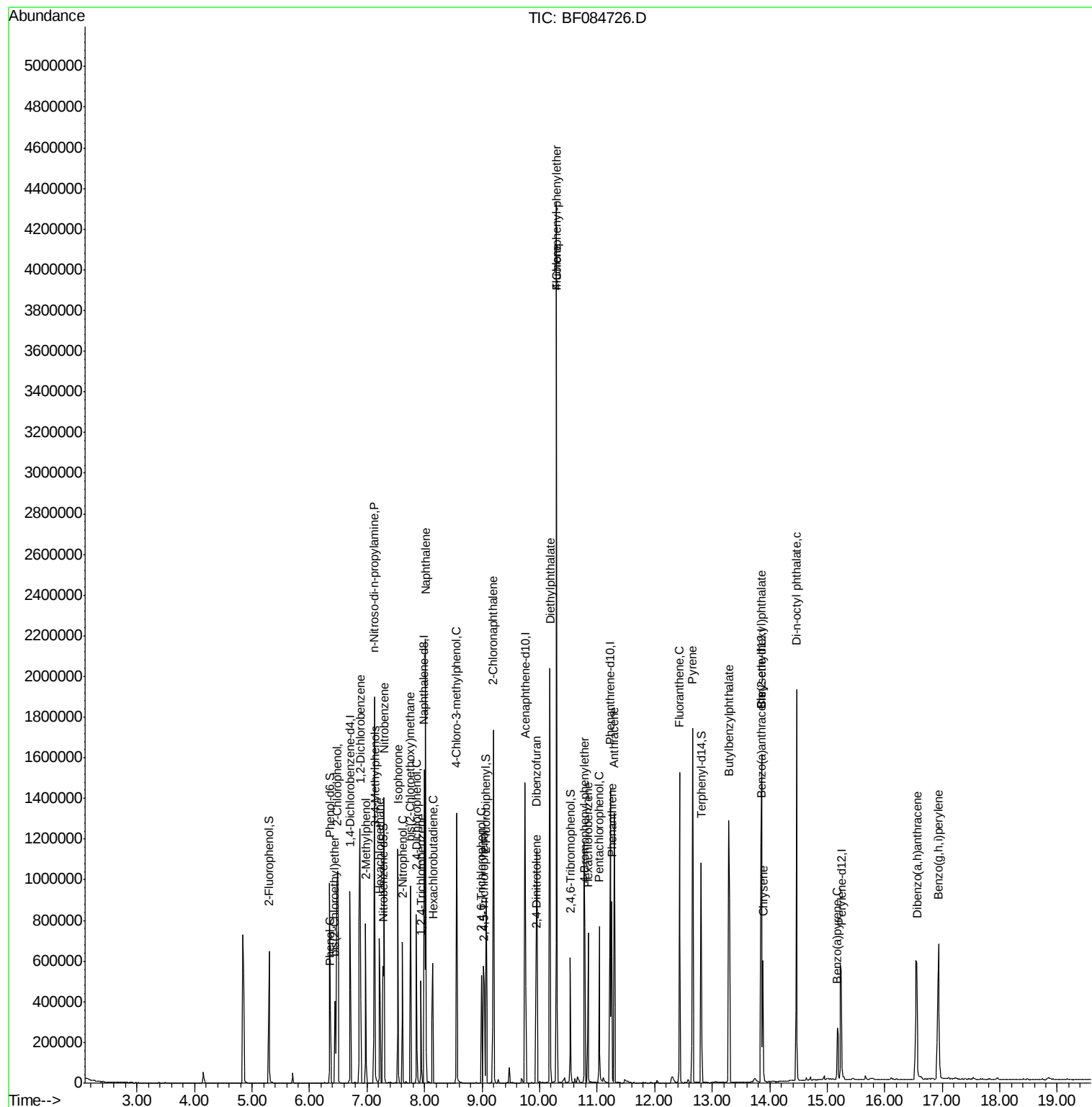
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) Chrysene	13.88	228	206610	7.70	nq	99
83) Bis(2-ethylhexyl)phthalate	13.86	149	162190	8.41	nq	# 97
84) Di-n-octyl phthalate	14.46	149	856264	26.92	nq	# 90
89) Benzo(a)pyrene	15.17	252	152252	8.37	nq	# 95
90) Dibenzo(a,h)anthracene	16.56	278	417398	27.25	nq	# 94
91) Benzo(a,h,i)perylene	16.93	276	502134	32.54	nq	97

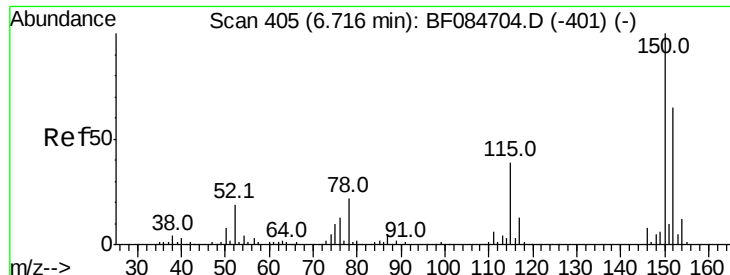
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.70 min Scan# 404

Delta R.T. -0.02 min

Lab File: BF084726.D

Acq: 1 Feb 2016 23:09

Instrument :

BNA_F

ClientSampleID :

9024DL

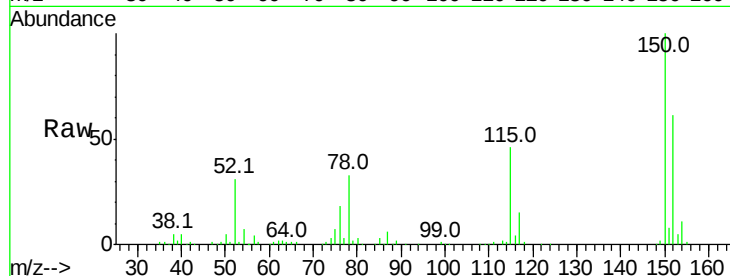
Tot Ion:152 Resp: 155484

Ion Ratio Lower Upper

152 100

150 163.5 123.0 184.4

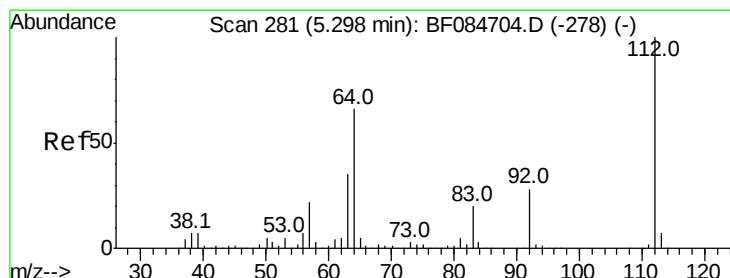
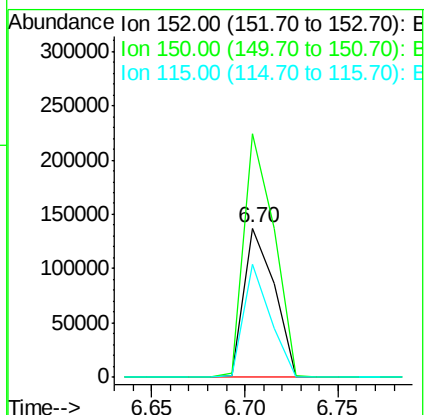
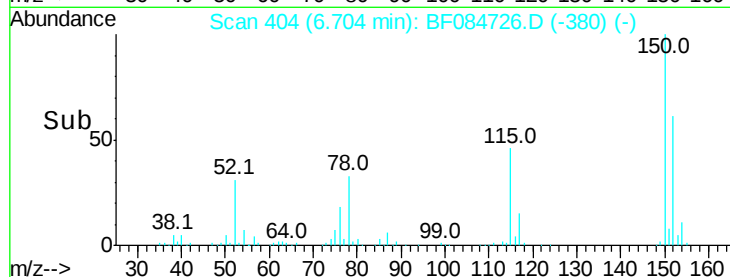
115 75.6 51.4 77.2



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: 21.42 ng

RT: 5.30 min Scan# 281

Delta R.T. -0.01 min

Lab File: BF084726.D

Acq: 1 Feb 2016 23:09

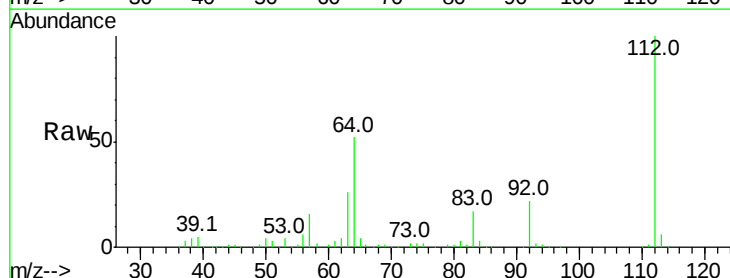
Tgt Ion:112 Resp: 213855

Ion Ratio Lower Upper

112 100

64 52.5 36.6 55.0

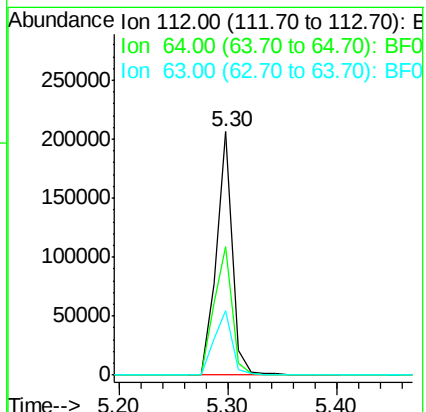
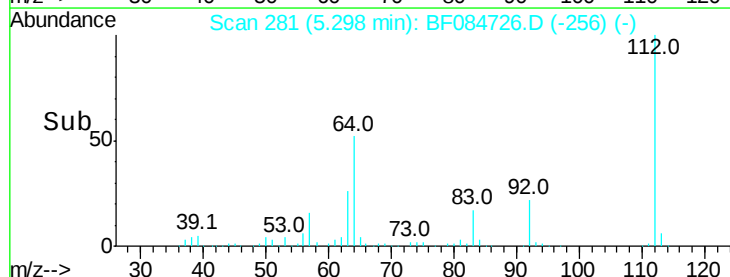
63 26.3 19.4 29.0

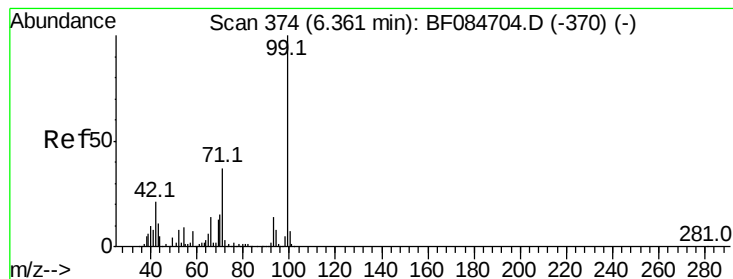


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 23.26 ng

RT: 6.35 min Scan# 373

Delta R.T. -0.02 min

Lab File: BF084726.D

Acq: 1 Feb 2016 23:09

Instrument :

BNA_F

ClientSampleId :

9024DL

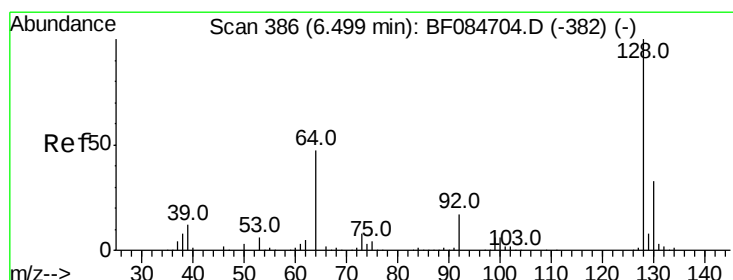
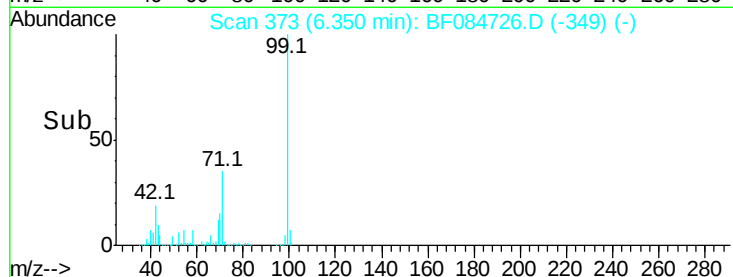
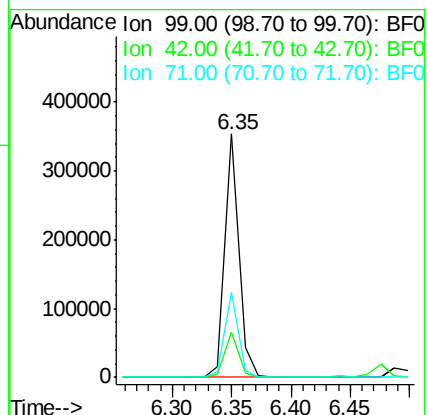
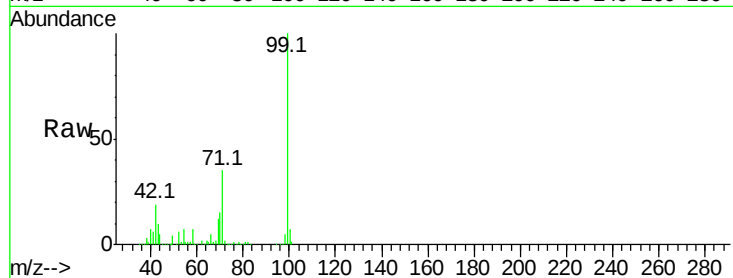
Tot Ion: 99 Resp: 287848

Ion Ratio Lower Upper

99 100

42 18.7 12.8 19.2

71 34.7 30.9 46.3



#8

2-Chlorophenol

Concen: 27.70 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.02 min

Lab File: BF084726.D

Acq: 1 Feb 2016 23:09

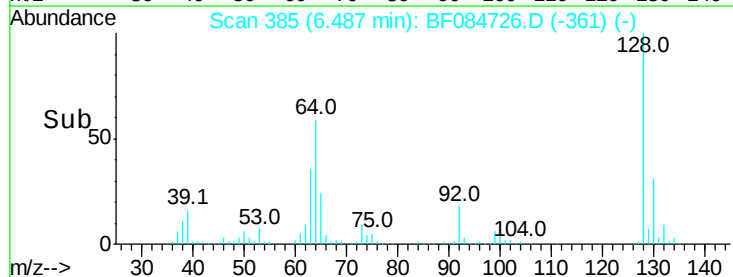
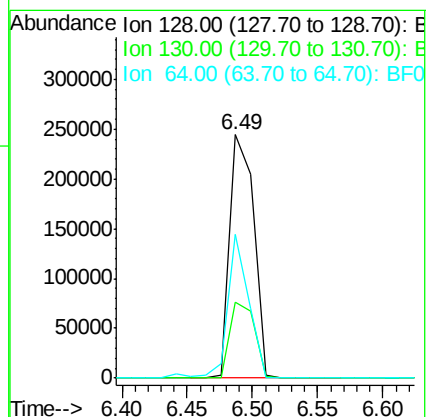
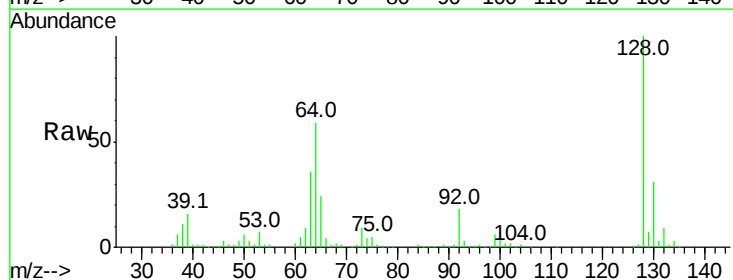
Tgt Ion: 128 Resp: 313017

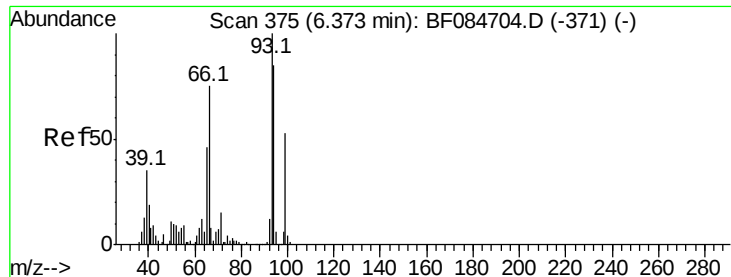
Ion Ratio Lower Upper

128 100

130 31.1 11.6 51.6

64 59.2 23.8 63.8





#10

Phenol

Concen: 5.87 ng

RT: 6.36 min Scan# 374

Delta R.T. -0.02 min

Lab File: BF084726.D

Acq: 1 Feb 2016 23:09

Instrument :

BNA_F

ClientSampleID :

9024DL

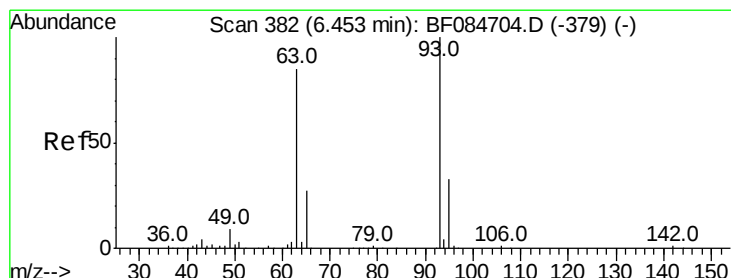
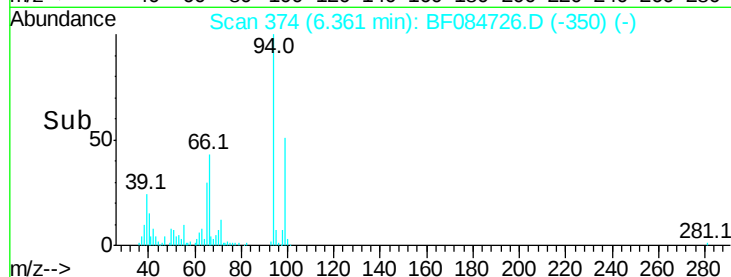
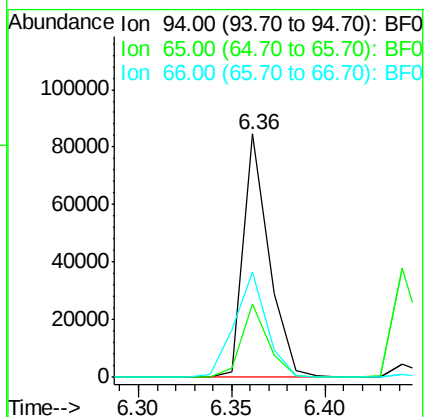
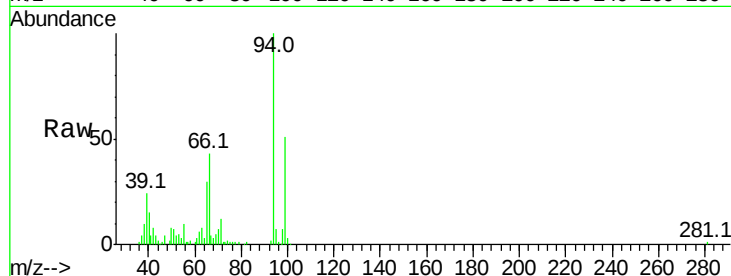
Tot Ion: 94 Resp: 81379

Ion Ratio Lower Upper

94 100

65 29.9 12.9 52.9

66 43.2 32.7 72.7



#11

bis(2-Chloroethyl)ether

Concen: 13.35 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.02 min

Lab File: BF084726.D

Acq: 1 Feb 2016 23:09

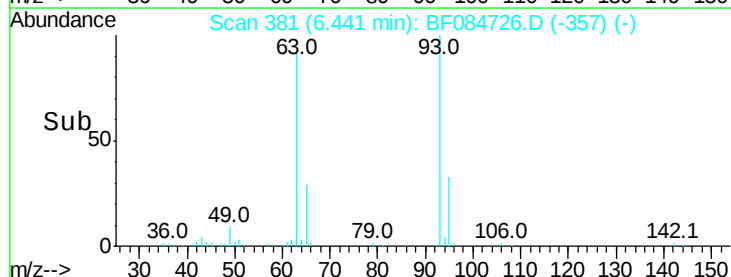
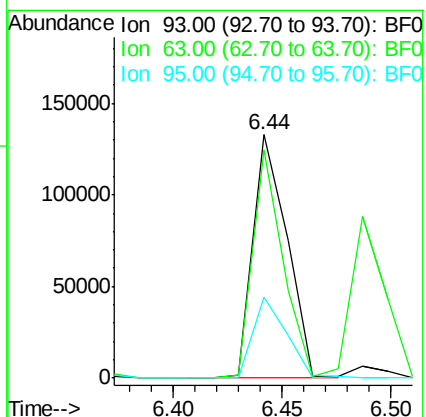
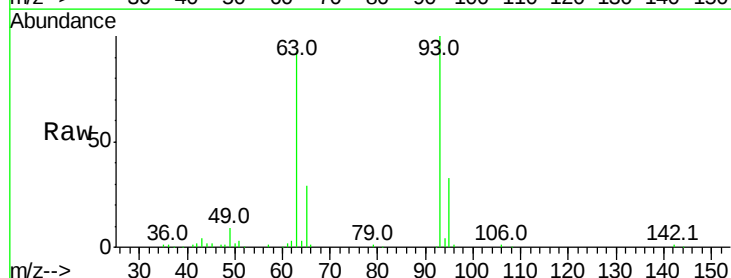
Tgt Ion: 93 Resp: 144371

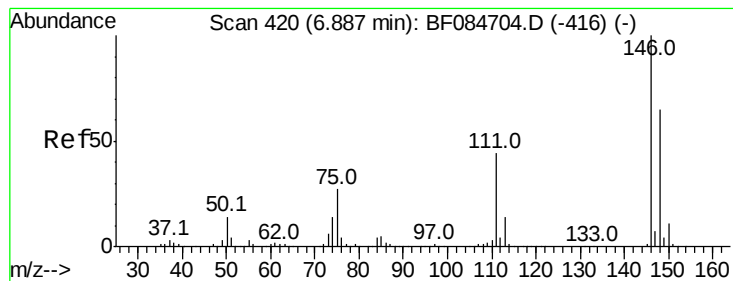
Ion Ratio Lower Upper

93 100

63 93.5 45.9 85.9#

95 33.3 12.3 52.3





#14

1,2-Dichlorobenzene

Concen: 25.60 ng

RT: 6.88 min Scan# 419

Delta R.T. -0.02 min

Lab File: BF084726.D

Acq: 1 Feb 2016 23:09

Instrument :

BNA_F

ClientSampleId :

9024DL

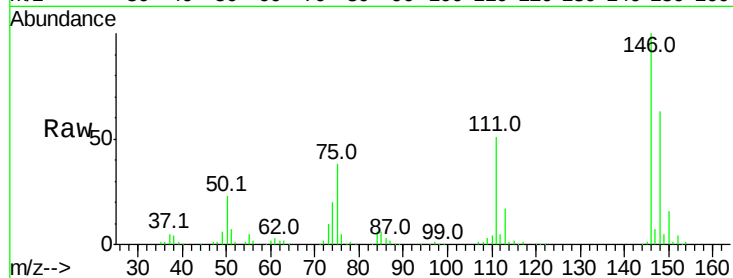
Tot Ion:146 Resp: 284507

Ion Ratio Lower Upper

146 100

148 62.9 51.6 77.4

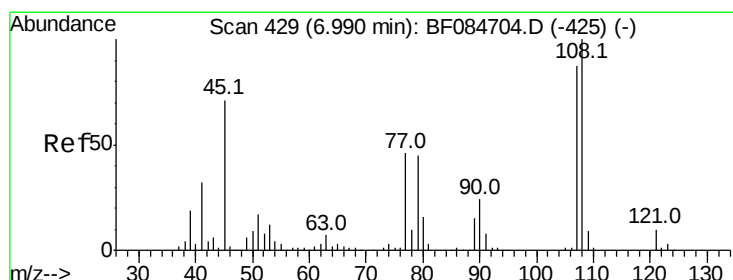
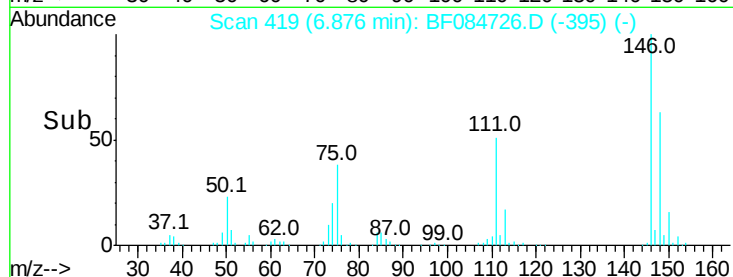
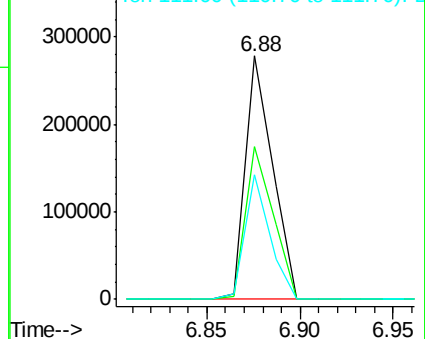
111 51.0 38.0 57.0



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#17

2-Methylphenol

Concen: 14.43 ng

RT: 6.98 min Scan# 428

Delta R.T. -0.02 min

Lab File: BF084726.D

Acq: 1 Feb 2016 23:09

Tgt Ion:107 Resp: 128924

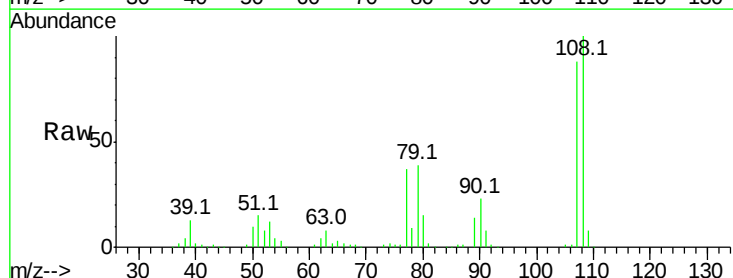
Ion Ratio Lower Upper

107 100

108 113.8 89.8 134.6

77 42.6 35.7 53.5

79 44.0 35.7 53.5

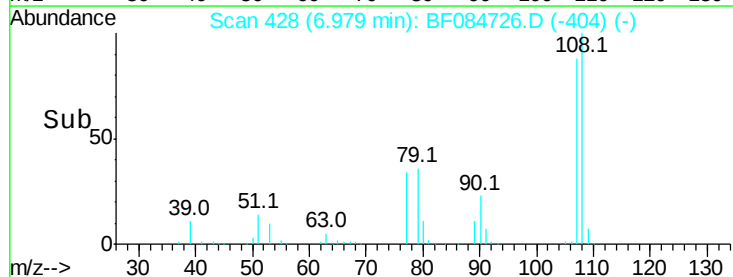
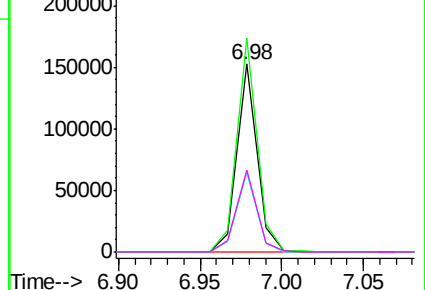


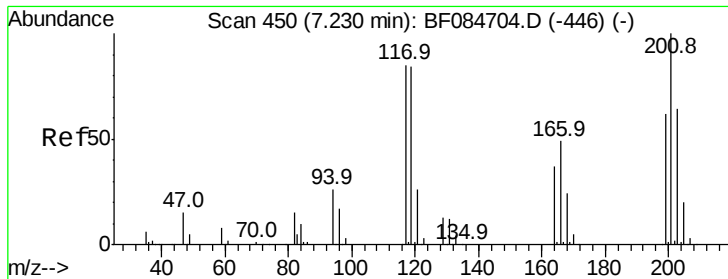
Abundance Ion 107.00 (106.70 to 107.70): E

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

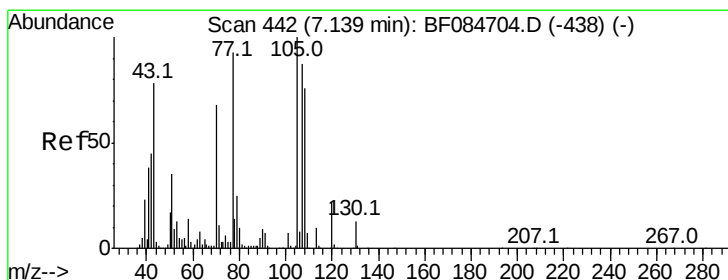
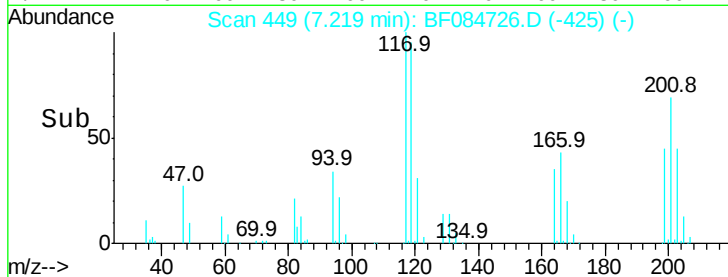
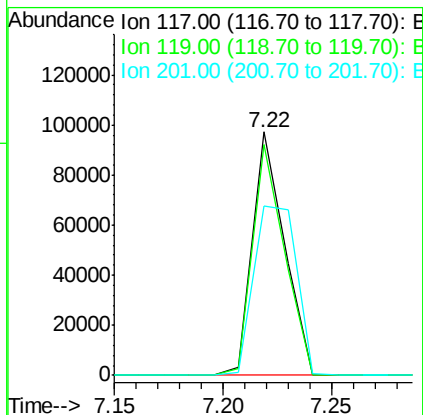
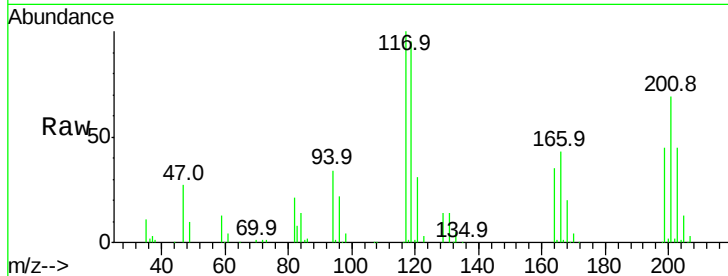




#18
Hexachloroethane
Concen: 21.67 ng
RT: 7.22 min Scan# 449
Delta R.T. -0.02 min
Lab File: BF084726.D
Acq: 1 Feb 2016 23:09

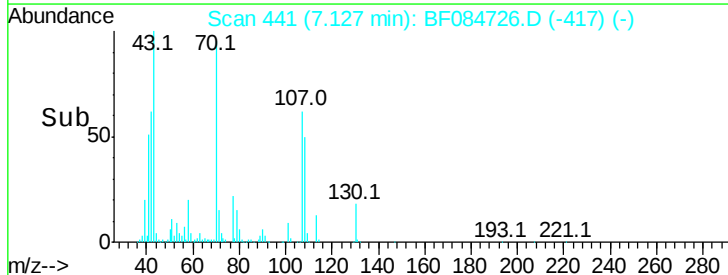
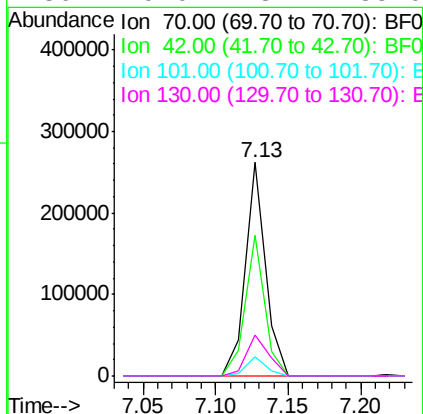
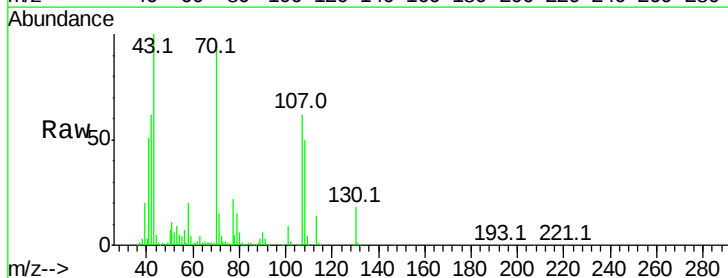
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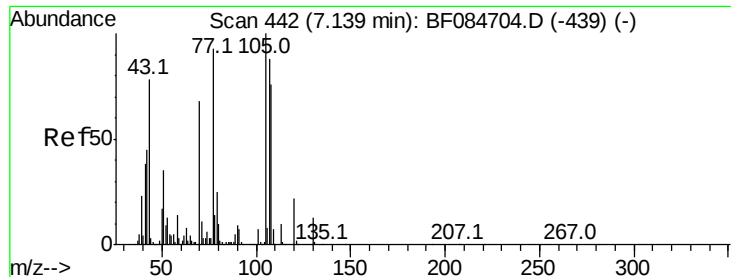
Tot Ion:117 Resp: 99584
Ion Ratio Lower Upper
117 100
119 94.8 77.4 116.0
201 69.4 68.6 103.0



#19
n-Nitroso-di-n-propylamine
Concen: 32.54 ng
RT: 7.13 min Scan# 441
Delta R.T. -0.02 min
Lab File: BF084726.D
Acq: 1 Feb 2016 23:09

Tgt Ion: 70 Resp: 252398
Ion Ratio Lower Upper
70 100
42 65.8 33.3 49.9#
101 9.3 9.3 13.9
130 19.0 23.4 35.0#





#20

3+4-Methylphenols

Concen: 26.23 ng

RT: 7.14 min Scan# 442

Delta R.T. -0.01 min

Lab File: BF084726.D

Acq: 1 Feb 2016 23:09

Instrument :

BNA_F

ClientSampleID :

9024DL

Tot Ion:107 Resp: 290925

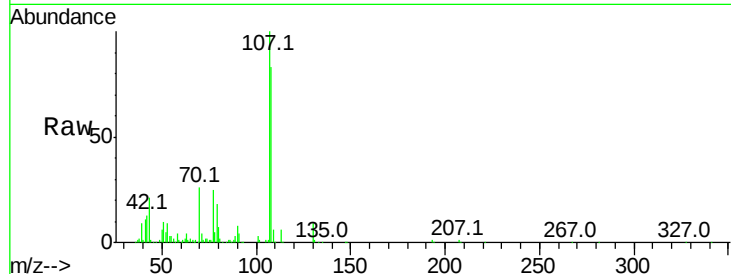
Ion Ratio Lower Upper

107 100

108 82.8 74.6 114.6

77 25.0 0.7 40.7

79 18.5 0.0 39.0

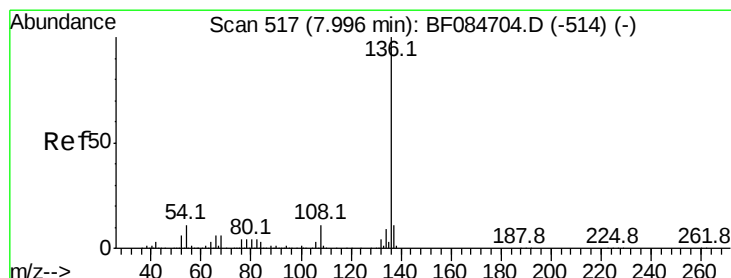
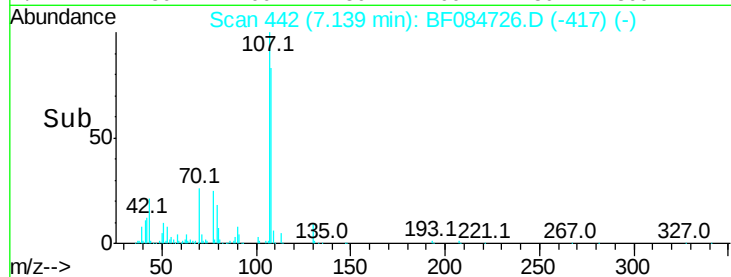
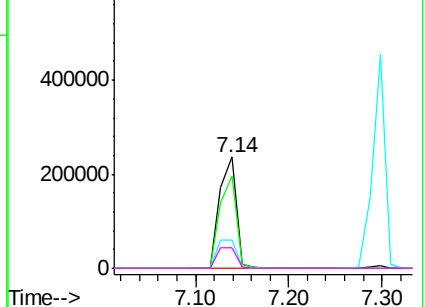


Abundance Ion 107.00 (106.70 to 107.70): E

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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.00 min Scan# 517

Delta R.T. -0.02 min

Lab File: BF084726.D

Acq: 1 Feb 2016 23:09

Tgt Ion:136 Resp: 656360

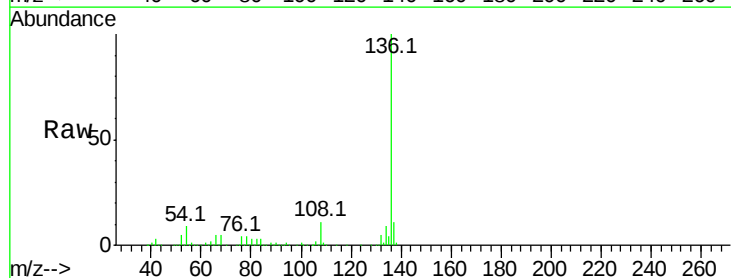
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 9.4 5.8 8.8#

68 5.3 4.2 6.2

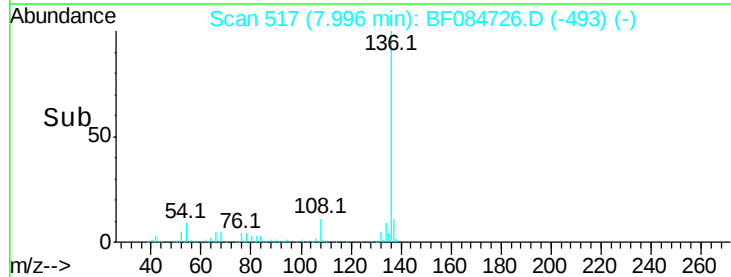
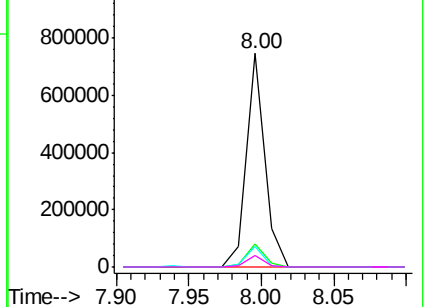


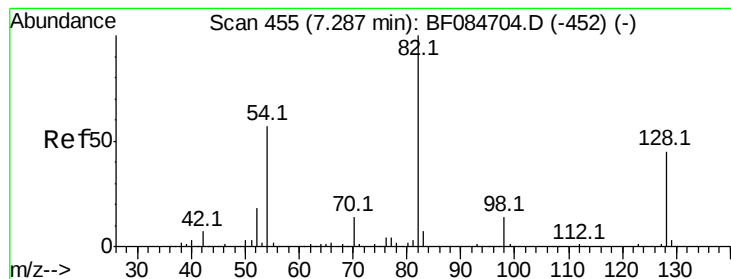
Abundance Ion 136.00 (135.70 to 136.70): E

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





#23

Nitrobenzene-d5

Concen: 14.29 ng

RT: 7.28 min Scan# 454

Delta R.T. -0.02 min

Lab File: BF084726.D

Acq: 1 Feb 2016 23:09

Instrument :

BNA_F

ClientSampleId :

9024DL

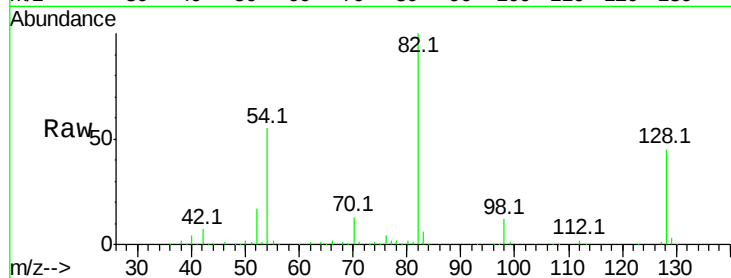
Tot Ion: 82 Resp: 166502

Ion Ratio Lower Upper

82 100

128 44.7 34.6 51.8

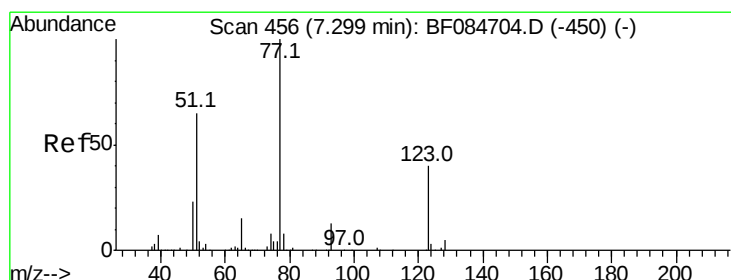
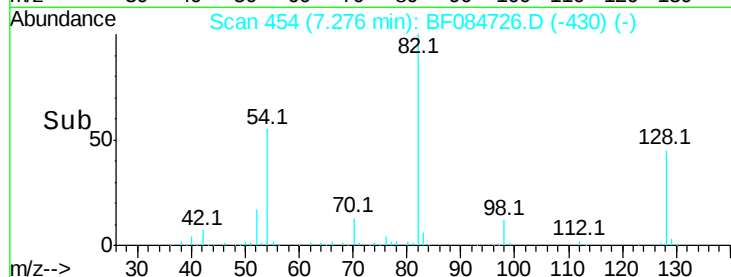
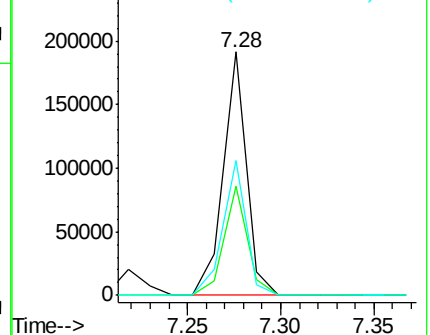
54 55.4 38.4 57.6



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#24

Nitrobenzene

Concen: 34.01 ng

RT: 7.30 min Scan# 456

Delta R.T. -0.01 min

Lab File: BF084726.D

Acq: 1 Feb 2016 23:09

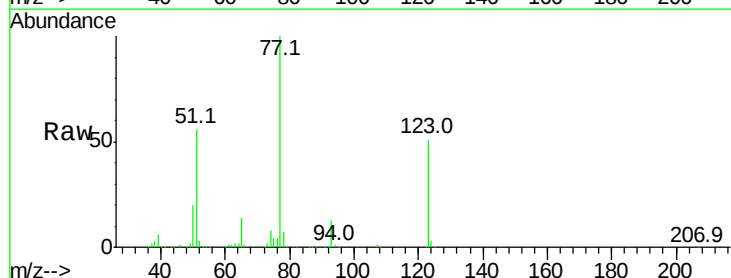
Tgt Ion: 77 Resp: 424373

Ion Ratio Lower Upper

77 100

123 50.9 37.4 56.2

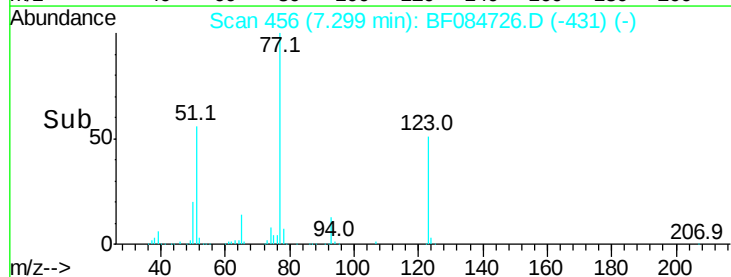
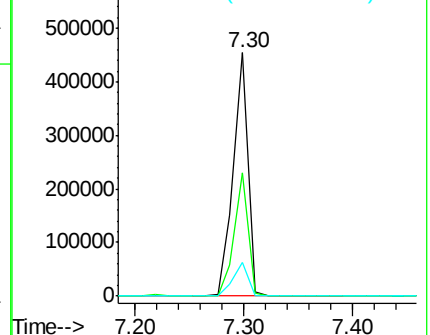
65 13.6 10.9 16.3

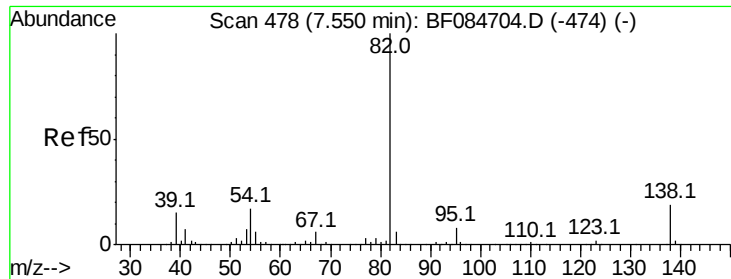


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 19.05 ng

RT: 7.54 min Scan# 477

Delta R.T. -0.02 min

Lab File: BF084726.D

Acq: 1 Feb 2016 23:09

Instrument :

BNA_F

ClientSampleId :

9024DL

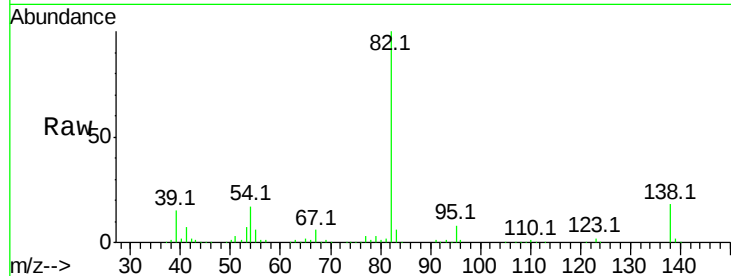
Tot Ion: 82 Resp: 431689

Ion Ratio Lower Upper

82 100

95 7.6 6.6 10.0

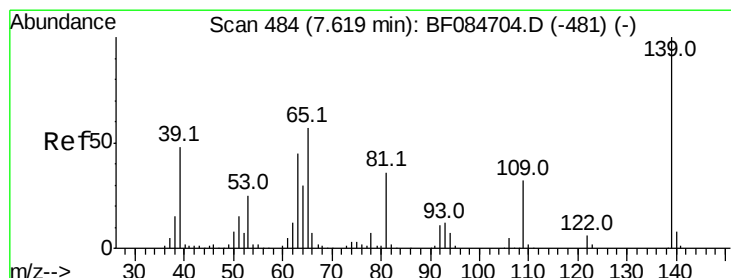
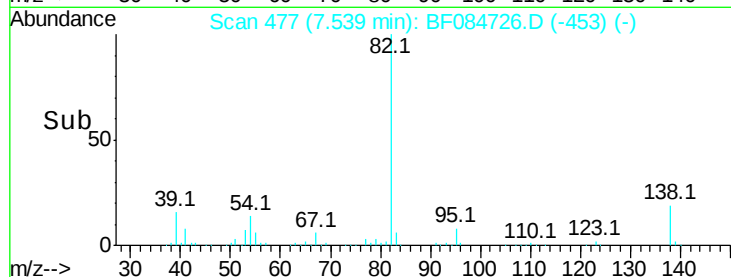
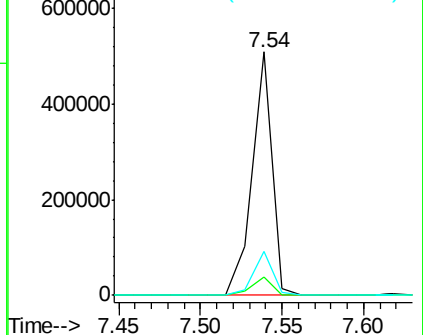
138 18.1 13.6 20.4



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



#26

2-Nitrophenol

Concen: 23.07 ng

RT: 7.62 min Scan# 484

Delta R.T. -0.01 min

Lab File: BF084726.D

Acq: 1 Feb 2016 23:09

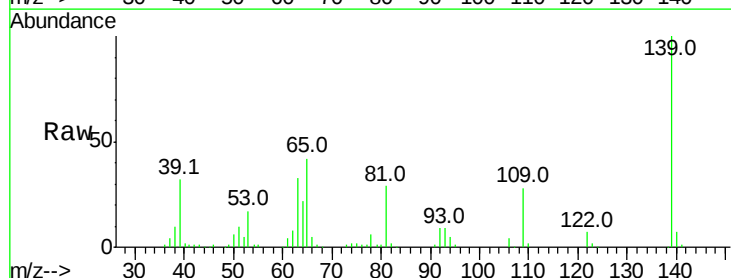
Tgt Ion: 139 Resp: 141961

Ion Ratio Lower Upper

139 100

109 27.9 25.4 38.2

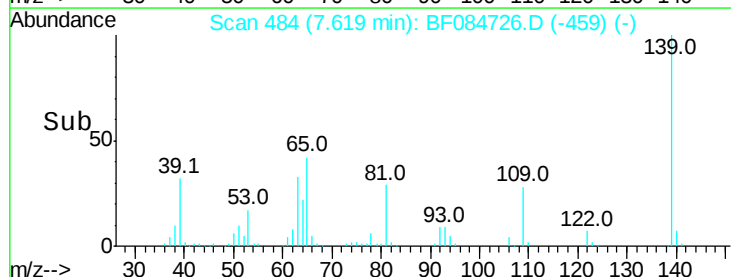
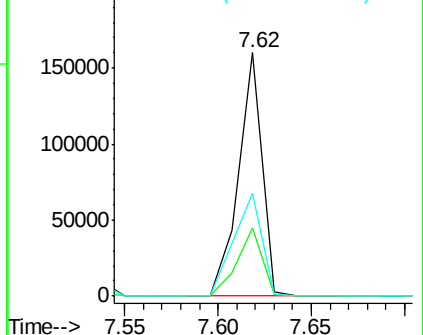
65 42.5 32.3 48.5

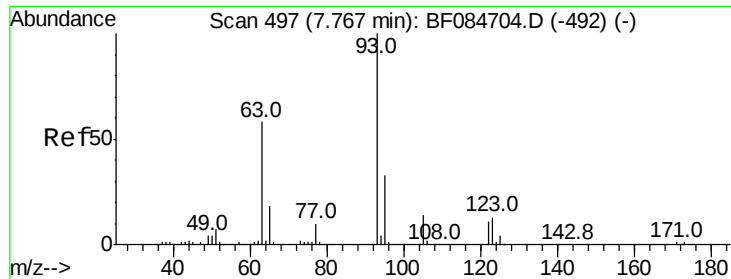


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

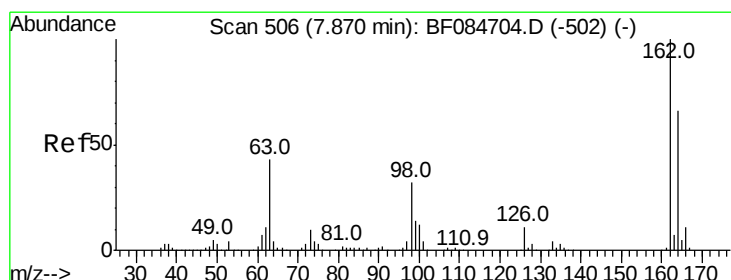
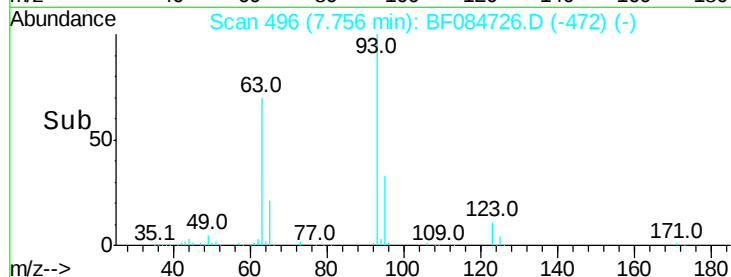
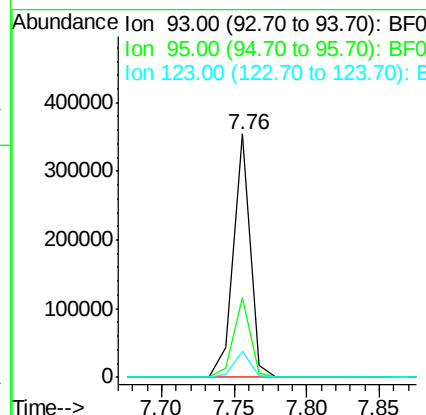
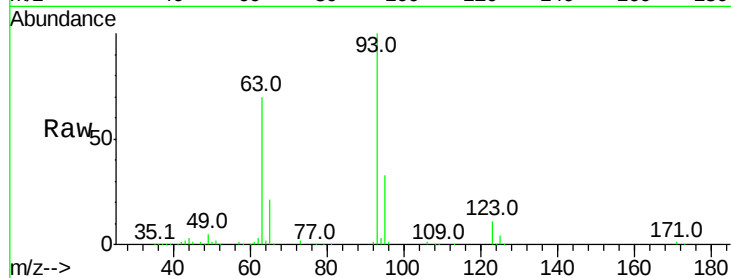




#28
bis(2-Chloroethoxy)methane
Concen: 21.28 ng
RT: 7.76 min Scan# 496
Delta R.T. -0.02 min
Lab File: BF084726.D
Acq: 1 Feb 2016 23:09

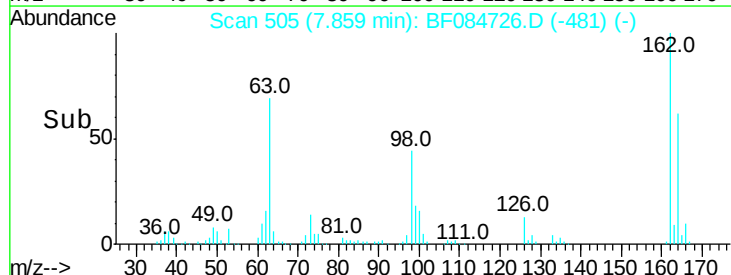
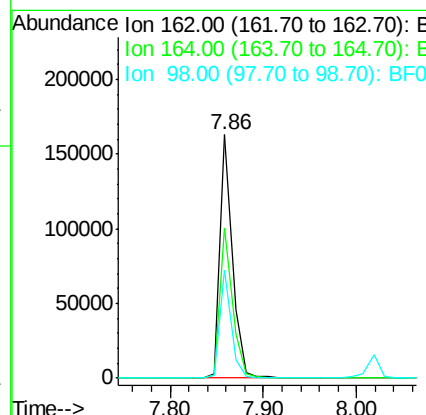
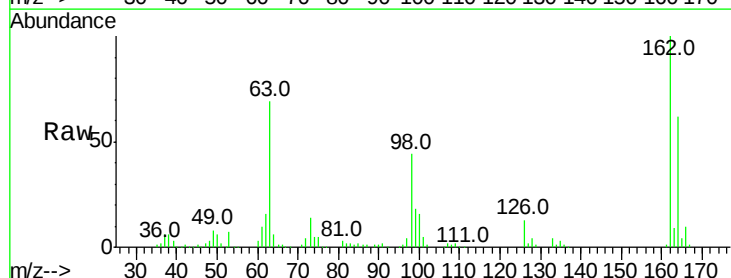
Instrument :
BNA_F
ClientSampleId :
9024DL

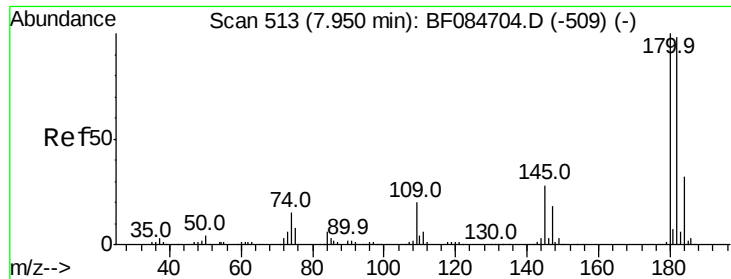
Tot Ion: 93 Resp: 286041
Ion Ratio Lower Upper
93 100
95 33.0 25.8 38.6
123 10.6 8.6 12.8



#29
2,4-Dichlorophenol
Concen: 16.49 ng
RT: 7.86 min Scan# 505
Delta R.T. -0.02 min
Lab File: BF084726.D
Acq: 1 Feb 2016 23:09

Tgt Ion: 162 Resp: 151035
Ion Ratio Lower Upper
162 100
164 61.5 44.1 84.1
98 44.2 20.2 60.2

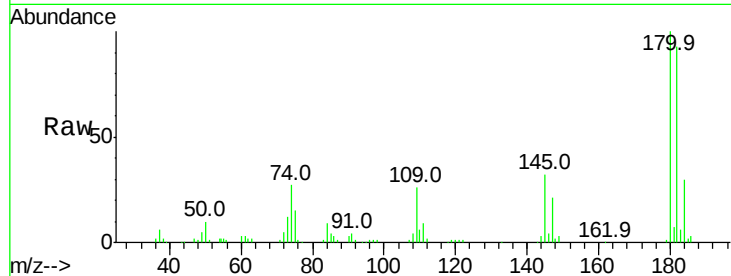




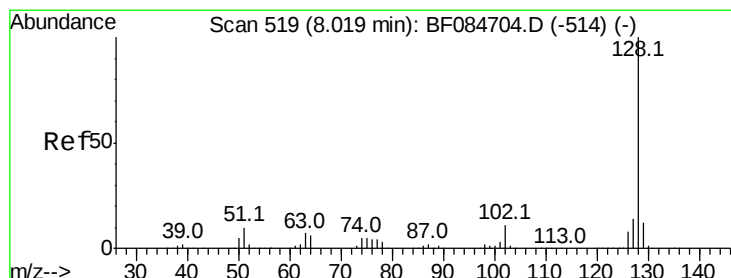
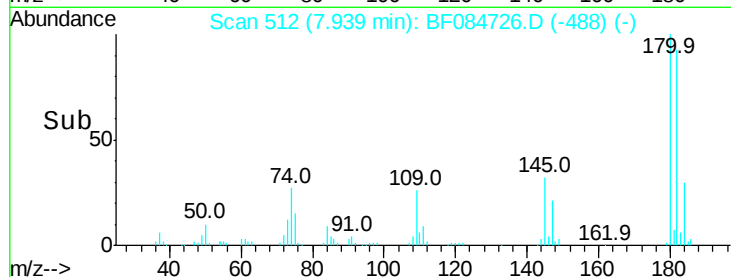
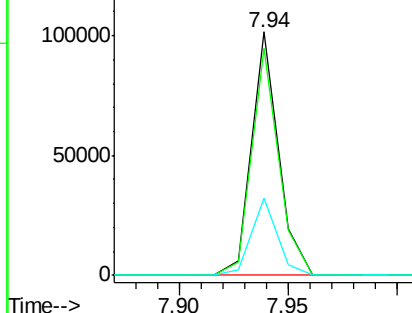
#30
 1,2,4-Trichlorobenzene
 Concen: 8.44 ng
 RT: 7.94 min Scan# 512
 Delta R.T. -0.02 min
 Lab File: BF084726.D
 Acq: 1 Feb 2016 23:09

Instrument :
 BNA_F
 ClientSampleID :
 9024DL

Tot Ion:180 Resp: 87290
 Ion Ratio Lower Upper
 180 100
 182 93.1 76.4 114.6
 145 31.8 31.6 47.4

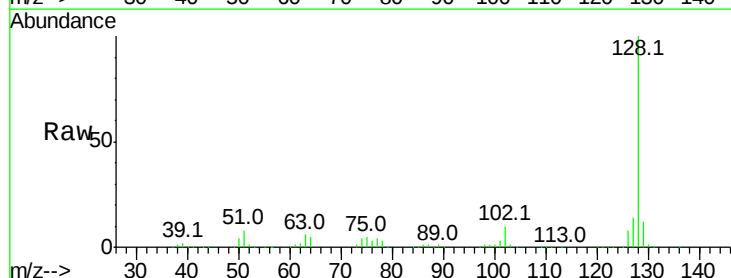


Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E

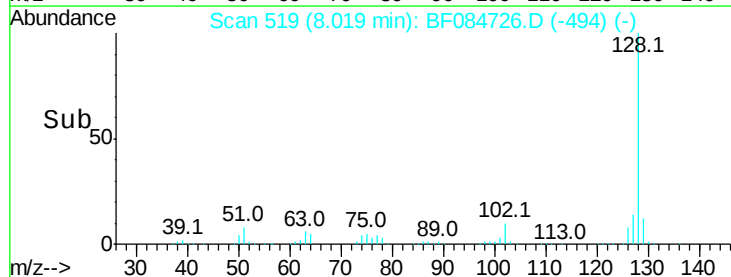
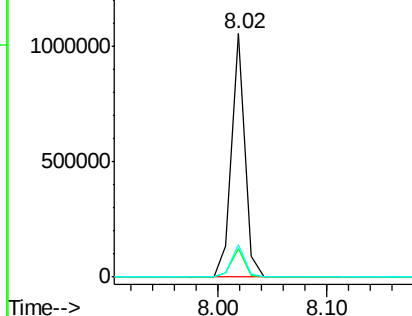


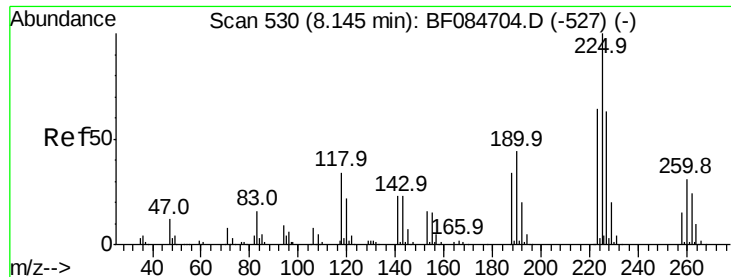
#31
 Naphthalene
 Concen: 26.80 ng
 RT: 8.02 min Scan# 519
 Delta R.T. -0.01 min
 Lab File: BF084726.D
 Acq: 1 Feb 2016 23:09

Tgt Ion:128 Resp: 882295
 Ion Ratio Lower Upper
 128 100
 129 11.7 9.1 13.7
 127 13.5 11.1 16.7



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





#34

Hexachlorobutadiene

Concen: 14.46 ng

RT: 8.14 min Scan# 530

Delta R.T. -0.01 min

Lab File: BF084726.D

Acq: 1 Feb 2016 23:09

Instrument :

BNA_F

ClientSampleId :

9024DL

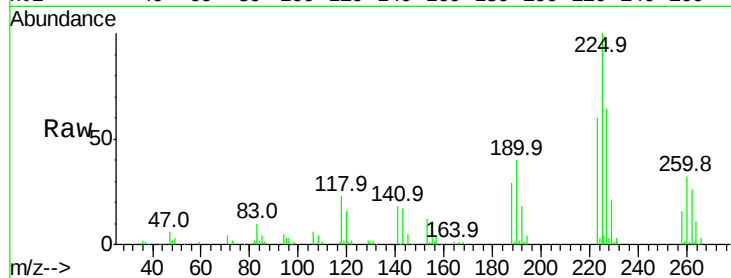
Tot Ion:225 Resp: 86233

Ion Ratio Lower Upper

225 100

223 60.2 49.4 74.0

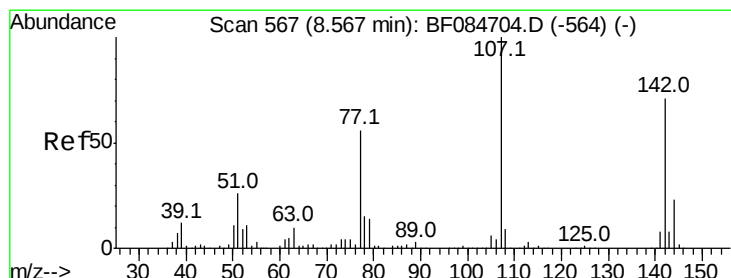
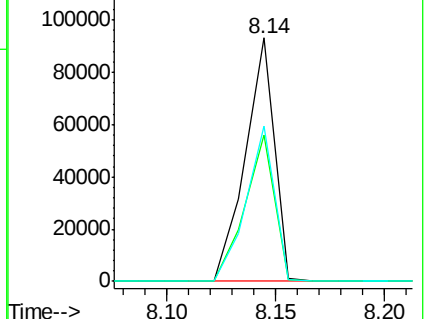
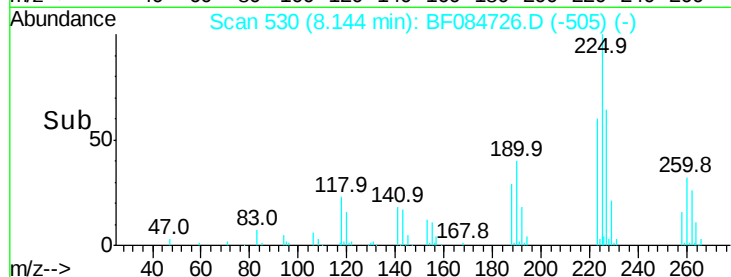
227 63.9 50.8 76.2



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



#36

4-Chloro-3-methylphenol

Concen: 24.78 ng

RT: 8.56 min Scan# 566

Delta R.T. -0.02 min

Lab File: BF084726.D

Acq: 1 Feb 2016 23:09

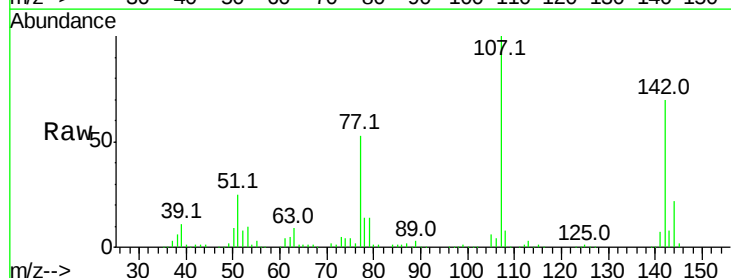
Tgt Ion:107 Resp: 258950

Ion Ratio Lower Upper

107 100

144 21.7 19.7 29.5

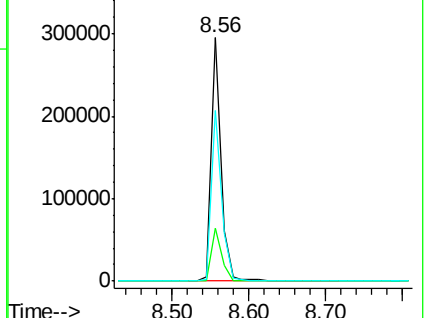
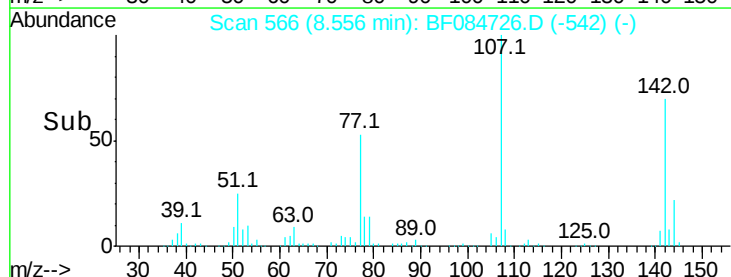
142 70.3 61.8 92.6

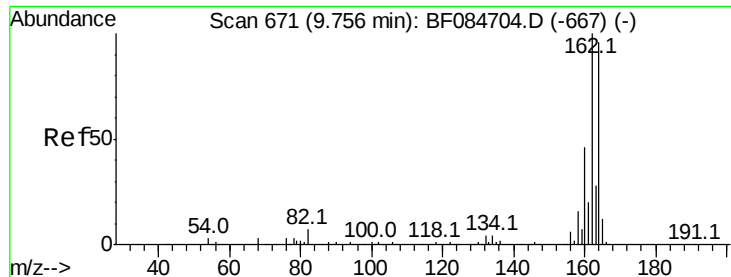


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.74 min Scan# 670

Delta R.T. -0.02 min

Lab File: BF084726.D

Acq: 1 Feb 2016 23:09

Instrument :

BNA_F

ClientSampleId :

9024DL

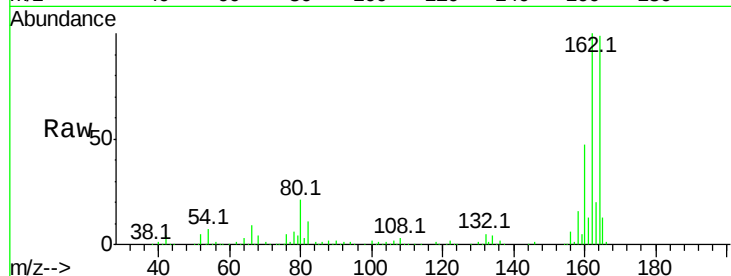
Tot Ion:164 Resp: 298227

Ion Ratio Lower Upper

164 100

162 100.9 85.1 127.7

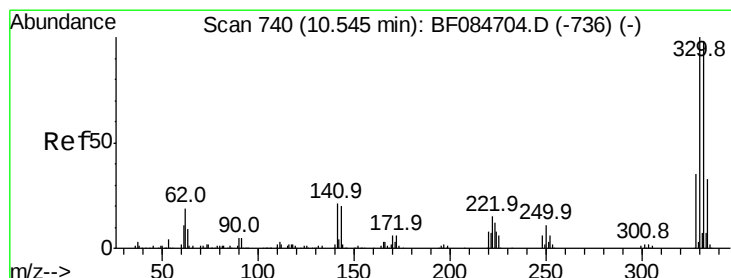
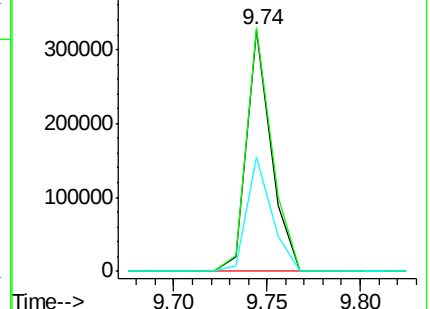
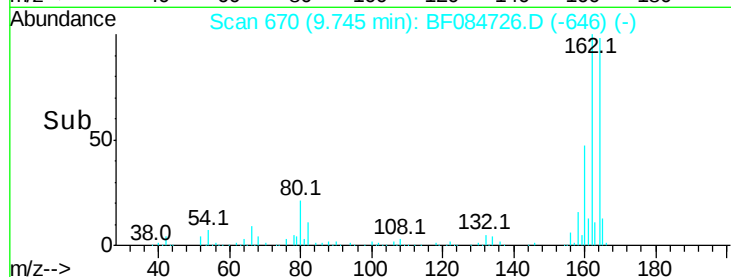
160 47.3 37.5 56.3



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 22.86 ng

RT: 10.53 min Scan# 739

Delta R.T. -0.02 min

Lab File: BF084726.D

Acq: 1 Feb 2016 23:09

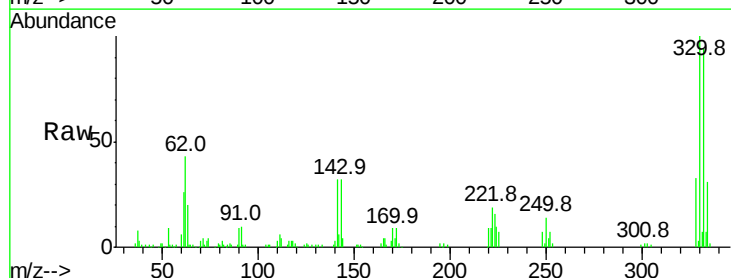
Tgt Ion:330 Resp: 71122

Ion Ratio Lower Upper

330 100

332 94.4 76.6 114.8

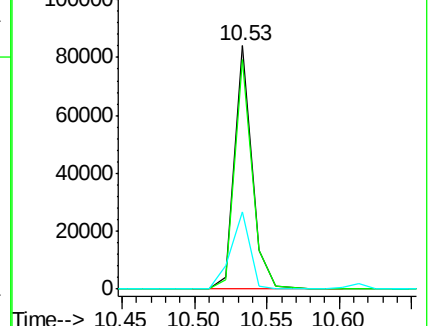
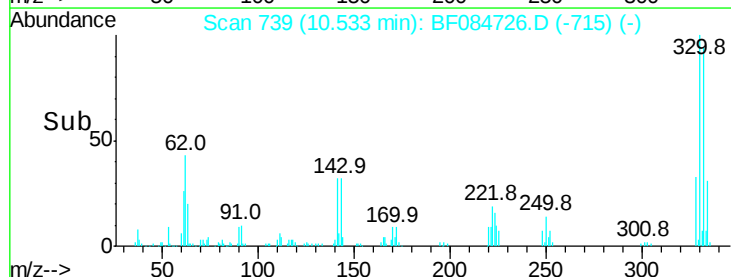
141 34.8 27.8 41.6

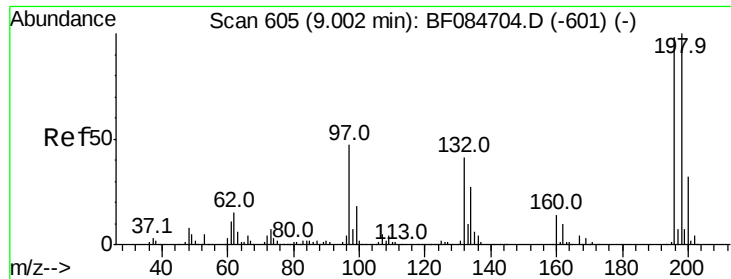


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#42

2,4,6-Trichlorophenol

Concen: 10.18 ng

RT: 8.99 min Scan# 604

Delta R.T. -0.02 min

Lab File: BF084726.D

Acq: 1 Feb 2016 23:09

Instrument :

BNA_F

ClientSampleId :

9024DL

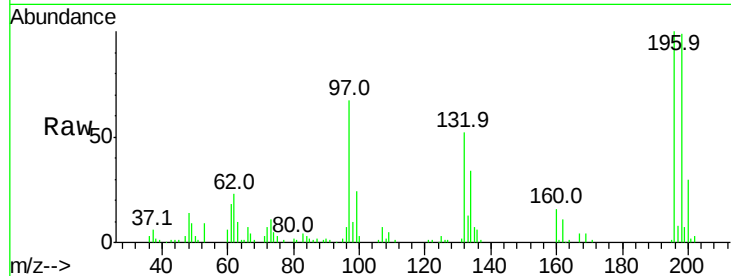
Tot Ion:196 Resp: 62131

Ion Ratio Lower Upper

196 100

198 99.0 77.7 116.5

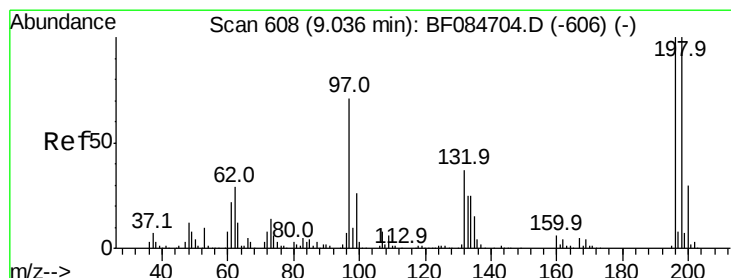
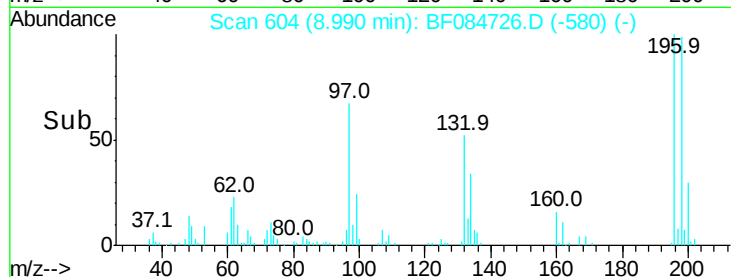
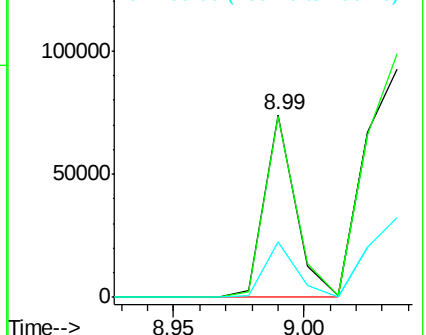
200 30.1 24.6 37.0



Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#43

2,4,5-Trichlorophenol

Concen: 18.92 ng

RT: 9.04 min Scan# 608

Delta R.T. -0.01 min

Lab File: BF084726.D

Acq: 1 Feb 2016 23:09

Tgt Ion:196 Resp: 117302

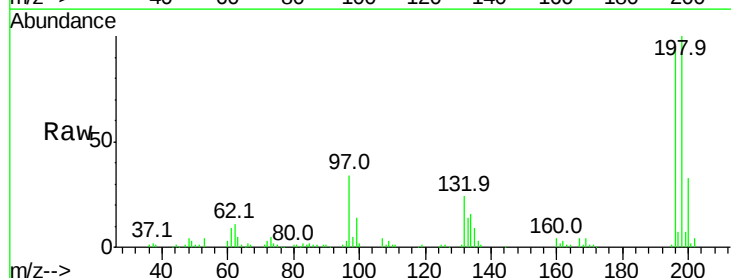
Ion Ratio Lower Upper

196 100

198 106.6 79.0 118.6

97 36.7 33.0 49.6

132 25.5 21.1 31.7

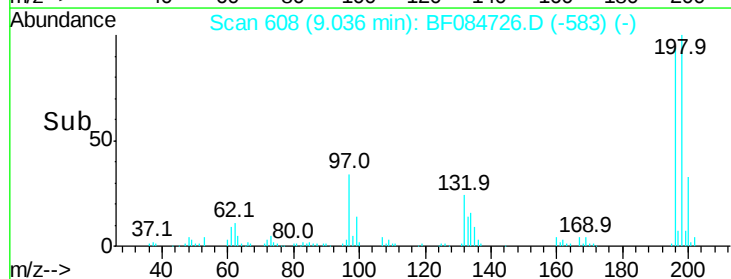
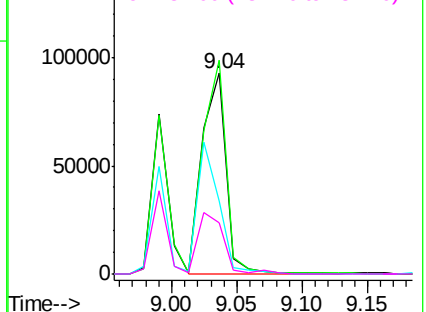


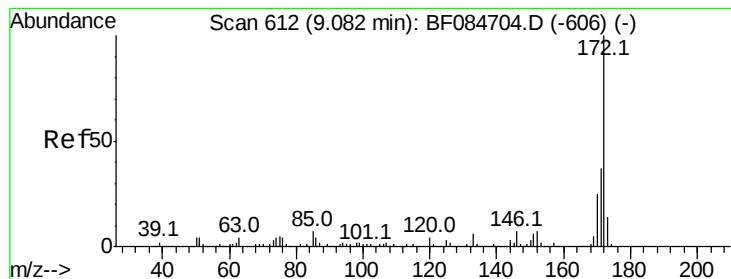
Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF0

Ion 132.00 (131.70 to 132.70): E





#44

2-Fluorobiphenyl

Concen: 12.79 ng

RT: 9.07 min Scan# 611

Delta R.T. -0.02 min

Lab File: BF084726.D

Acq: 1 Feb 2016 23:09

Instrument :

BNA_F

ClientSampleId :

9024DL

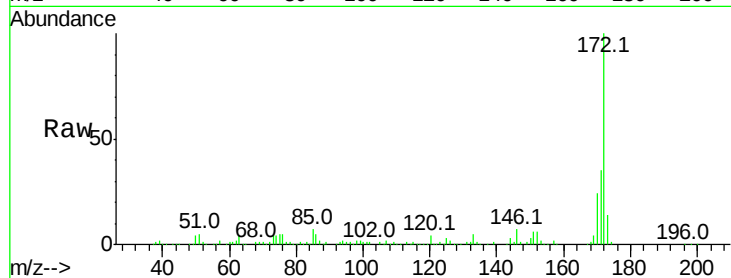
Tot Ion:172 Resp: 309256

Ion Ratio Lower Upper

172 100

171 35.2 28.9 43.3

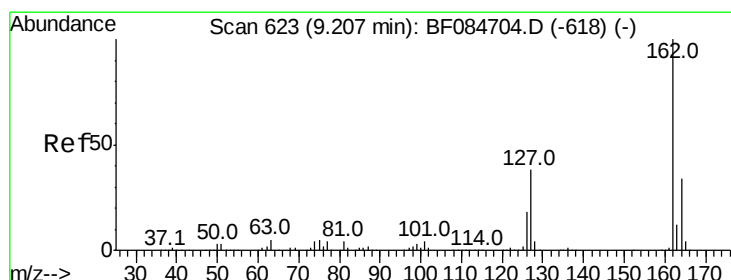
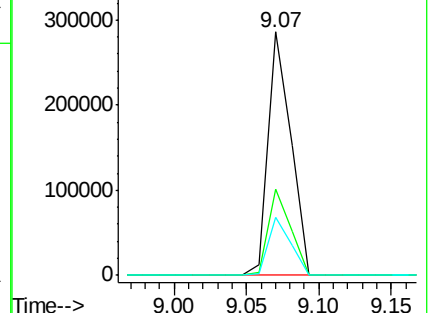
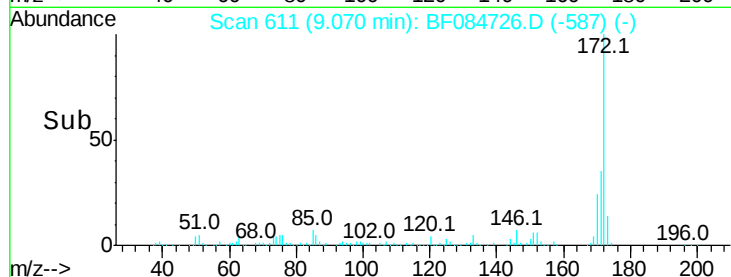
170 23.8 18.6 27.8



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



#46

2-Chloronaphthalene

Concen: 23.26 ng

RT: 9.20 min Scan# 622

Delta R.T. -0.02 min

Lab File: BF084726.D

Acq: 1 Feb 2016 23:09

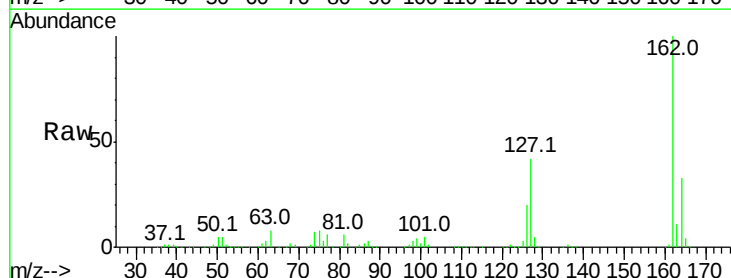
Tgt Ion:162 Resp: 456277

Ion Ratio Lower Upper

162 100

127 42.2 40.2 60.4

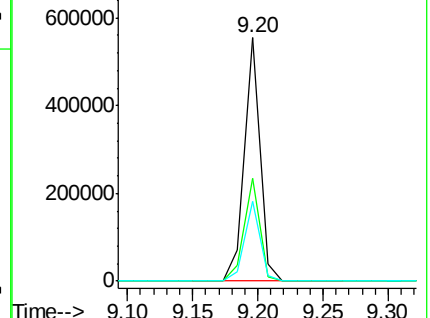
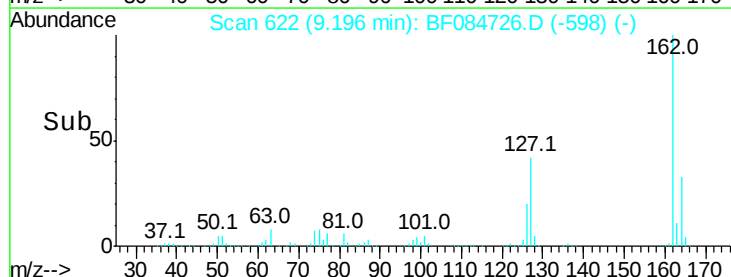
164 32.8 25.7 38.5

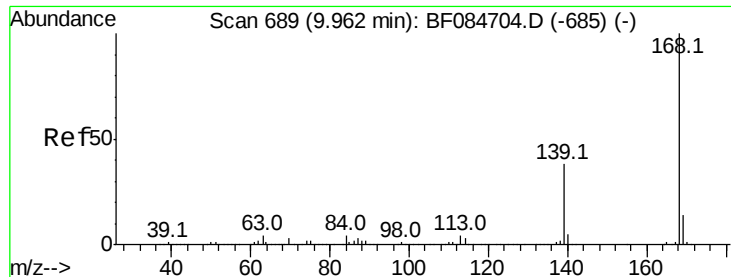


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

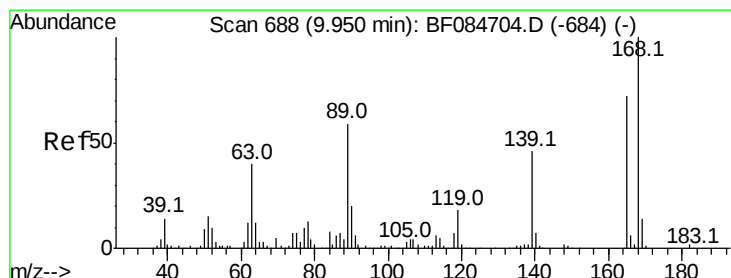
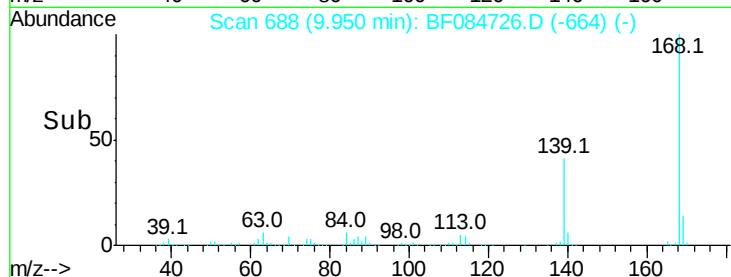
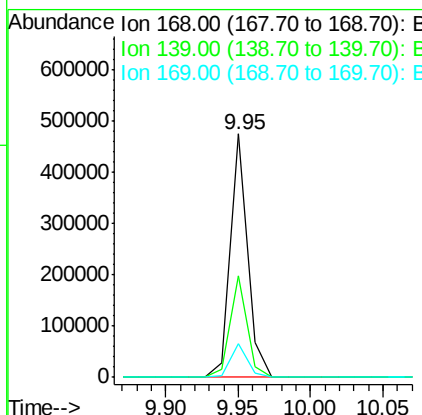
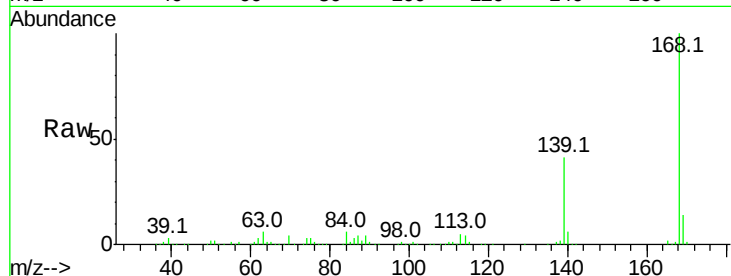




#54
Dibenzofuran
Concen: 16.66 ng
RT: 9.95 min Scan# 688
Delta R.T. -0.02 min
Lab File: BF084726.D
Acq: 1 Feb 2016 23:09

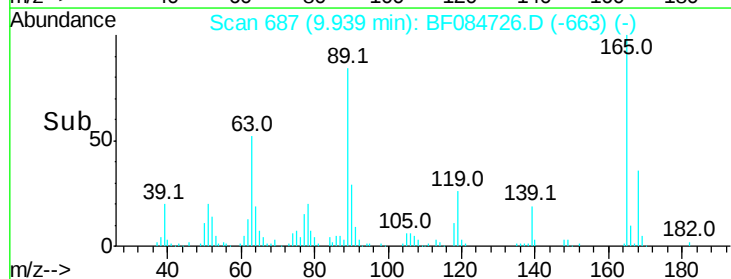
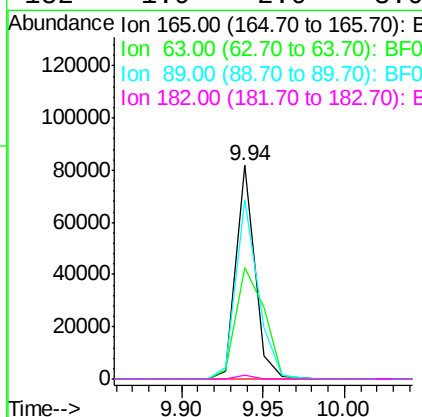
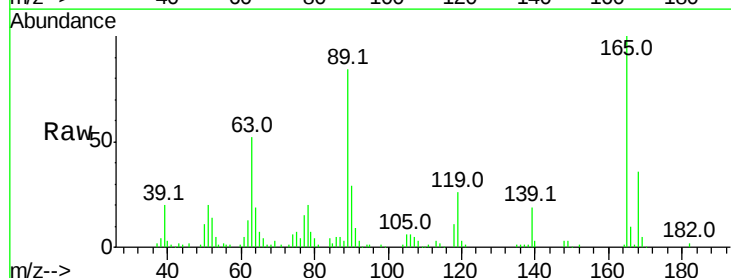
Instrument :
BNA_F
ClientSampleId :
9024DL

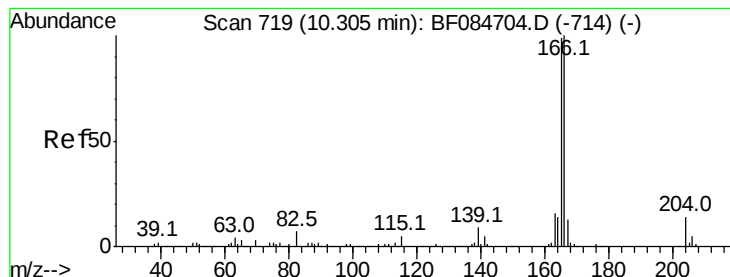
Tot Ion:168 Resp: 394415
Ion Ratio Lower Upper
168 100
139 41.4 30.5 45.7
169 13.6 10.4 15.6



#56
2,4-Dinitrotoluene
Concen: 10.28 ng
RT: 9.94 min Scan# 687
Delta R.T. -0.02 min
Lab File: BF084726.D
Acq: 1 Feb 2016 23:09

Tgt Ion:165 Resp: 65061
Ion Ratio Lower Upper
165 100
63 52.4 36.7 55.1
89 83.9 61.9 92.9
182 1.9 2.0 3.0#





#57

Fluorene

Concen: 26.82 ng

RT: 10.29 min Scan# 718

Delta R.T. -0.01 min

Lab File: BF084726.D

Acq: 1 Feb 2016 23:09

Instrument :

BNA_F

ClientSampleId :

9024DL

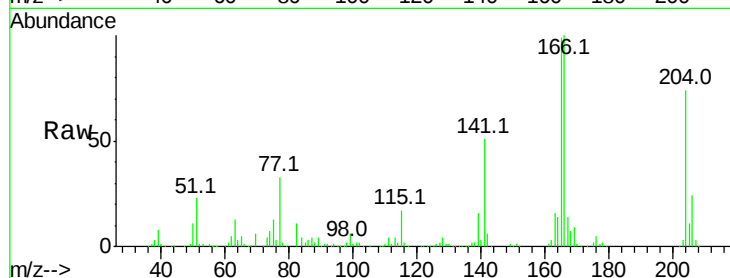
Tot Ion:166 Resp: 530089

Ion Ratio Lower Upper

166 100

165 98.9 79.1 118.7

167 14.2 10.4 15.6



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

800000

600000

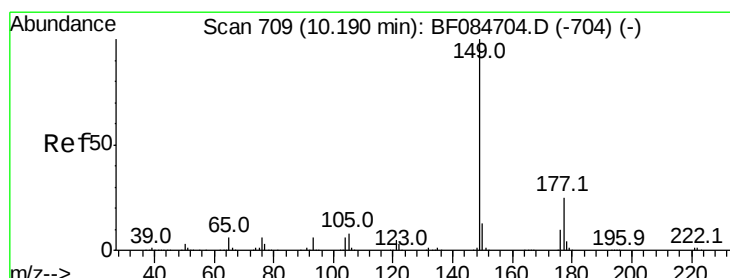
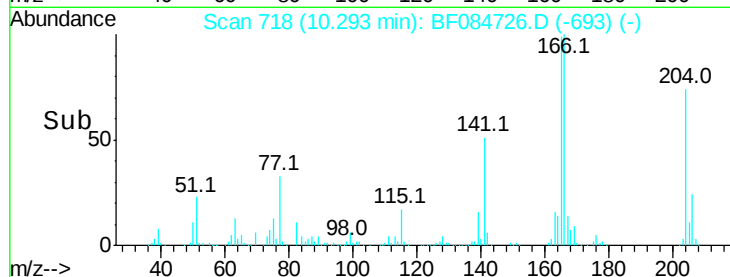
400000

200000

0

10.29

Time-->



#59

Diethylphthalate

Concen: 32.51 ng

RT: 10.18 min Scan# 708

Delta R.T. -0.01 min

Lab File: BF084726.D

Acq: 1 Feb 2016 23:09

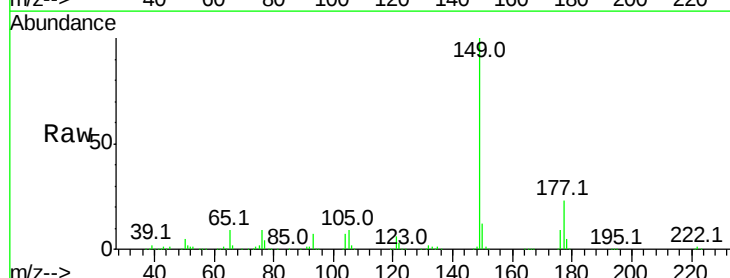
Tgt Ion:149 Resp: 720983

Ion Ratio Lower Upper

149 100

177 23.0 17.3 25.9

150 12.3 9.8 14.8



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

1200000

1000000

800000

600000

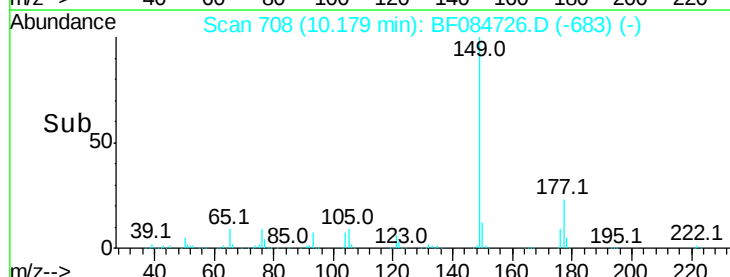
400000

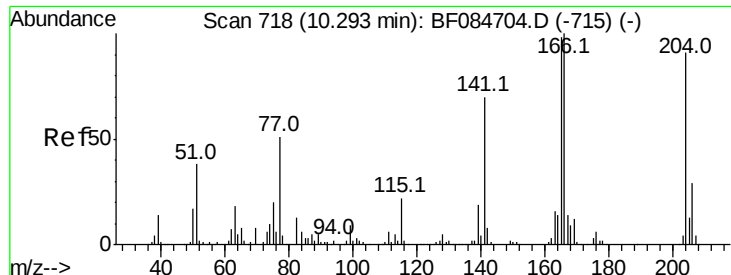
200000

0

10.18

Time-->

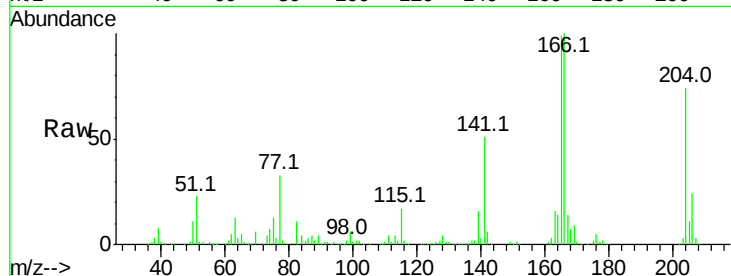




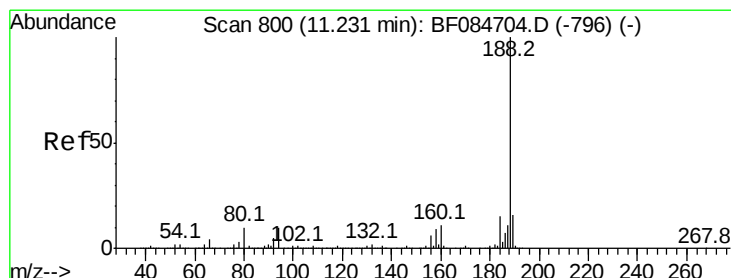
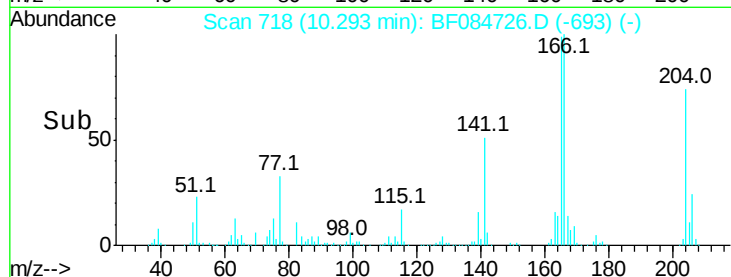
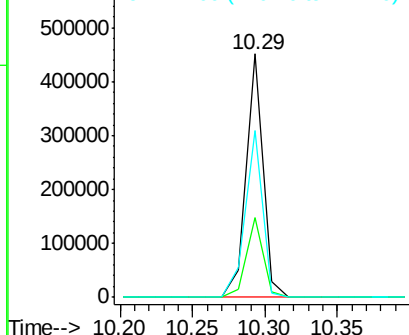
#60
4-Chlorophenyl-phenylether
Concen: 43.78 ng
RT: 10.29 min Scan# 718
Delta R.T. -0.01 min
Lab File: BF084726.D
Acq: 1 Feb 2016 23:09

Instrument :
BNA_F
ClientSampleID :
9024DL

Tot Ion:204 Resp: 365181
Ion Ratio Lower Upper
204 100
206 32.7 25.7 38.5
141 68.7 55.1 82.7

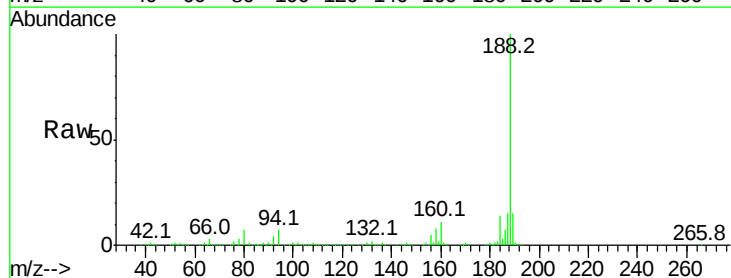


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

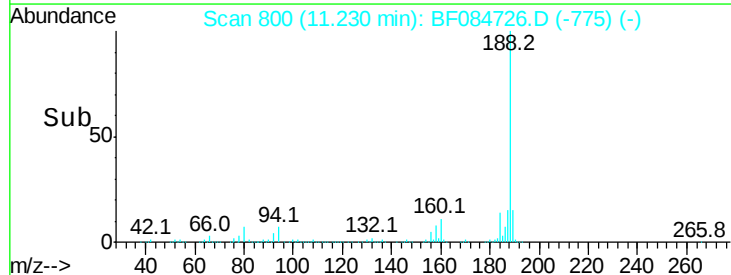
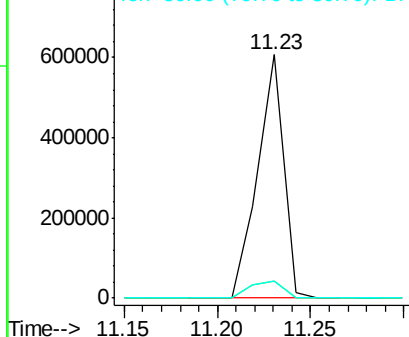


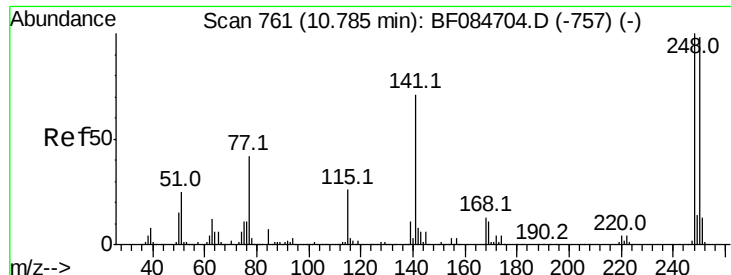
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.23 min Scan# 800
Delta R.T. -0.01 min
Lab File: BF084726.D
Acq: 1 Feb 2016 23:09

Tgt Ion:188 Resp: 585287
Ion Ratio Lower Upper
188 100
94 7.2 9.0 13.4#
80 6.8 9.6 14.4#



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

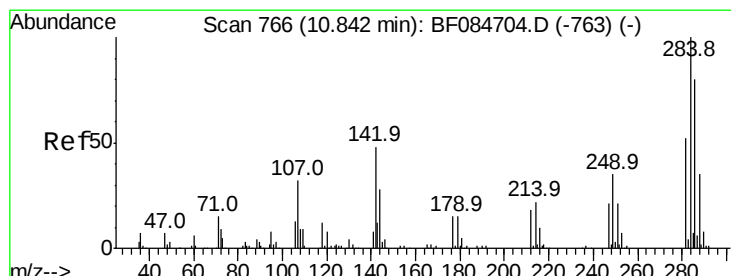
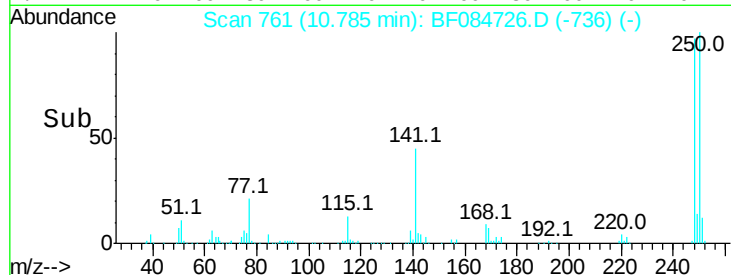
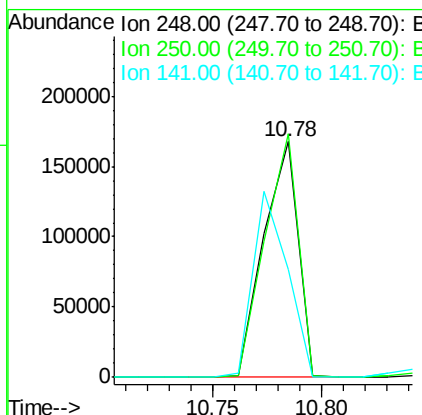
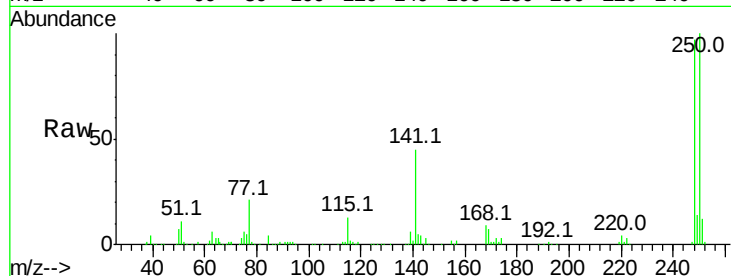




#66
 4-Bromophenyl-phenylether
 Concen: 28.91 ng
 RT: 10.78 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: BF084726.D
 Acq: 1 Feb 2016 23:09

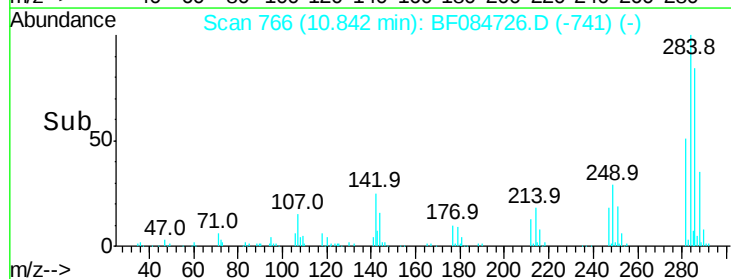
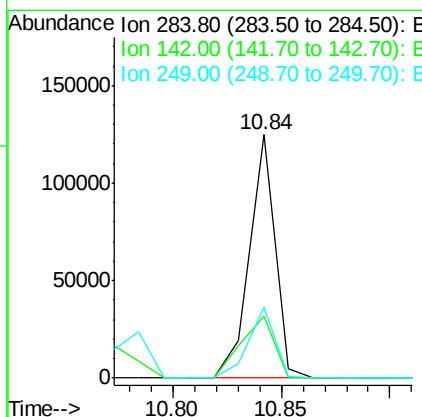
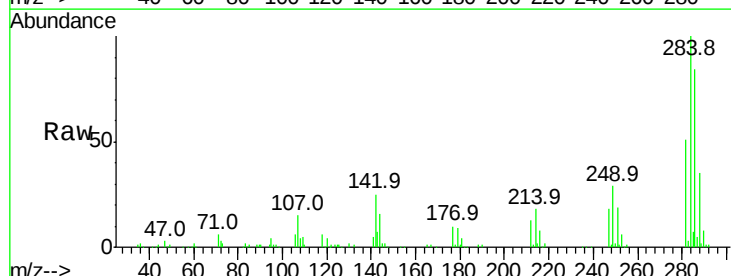
Instrument :
 BNA_F
 ClientSampleId :
 9024DL

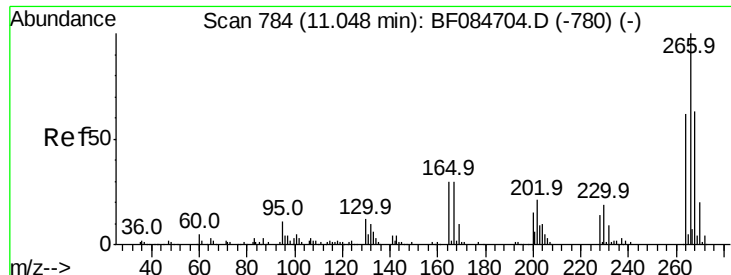
Tot Ion:248 Resp: 186905
 Ion Ratio Lower Upper
 248 100
 250 103.4 78.4 117.6
 141 46.1 44.0 66.0



#67
 Hexachlorobenzene
 Concen: 14.51 ng
 RT: 10.84 min Scan# 766
 Delta R.T. -0.01 min
 Lab File: BF084726.D
 Acq: 1 Feb 2016 23:09

Tgt Ion:284 Resp: 102204
 Ion Ratio Lower Upper
 284 100
 142 25.4 22.2 33.4
 249 29.0 24.6 37.0

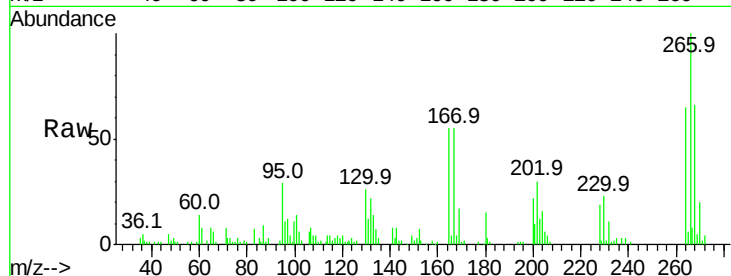




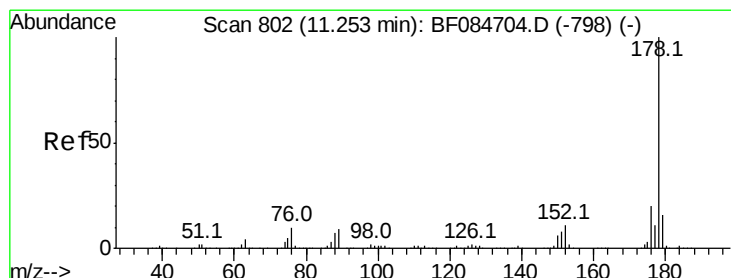
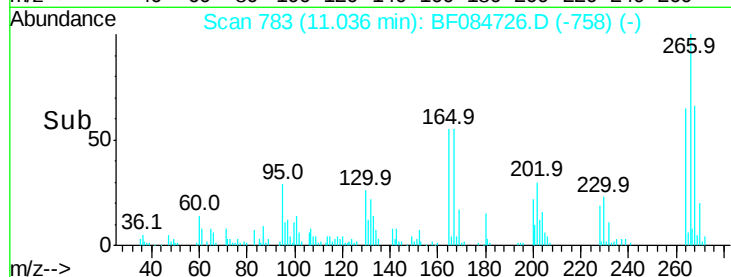
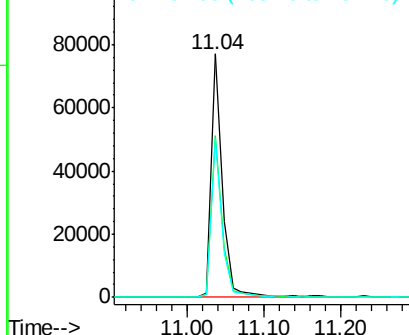
#69
 Pentachlorophenol
 Concen: 23.27 ng
 RT: 11.04 min Scan# 783
 Delta R.T. -0.01 min
 Lab File: BF084726.D
 Acq: 1 Feb 2016 23:09

Instrument :
 BNA_F
 ClientSampleId :
 9024DL

Tot Ion:266 Resp: 77045
 Ion Ratio Lower Upper
 266 100
 268 66.3 52.4 78.6
 264 65.2 50.2 75.2

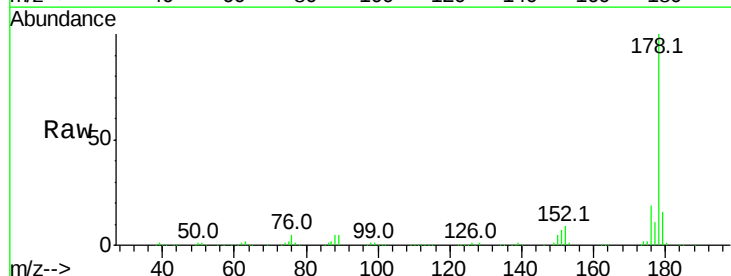


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

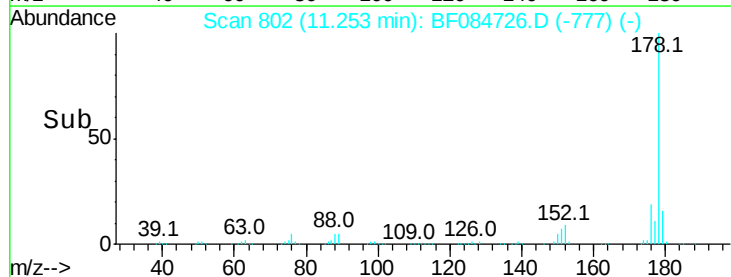
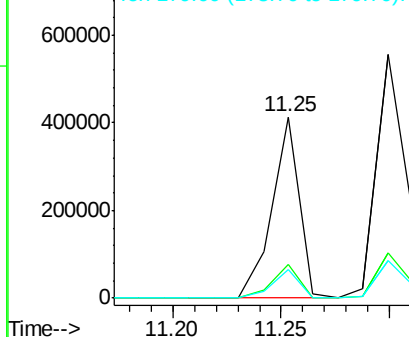


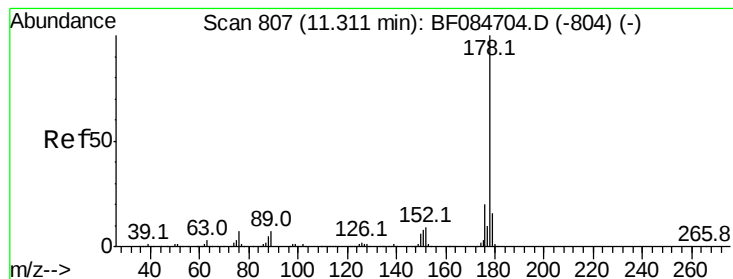
#70
 Phenanthrene
 Concen: 11.25 ng
 RT: 11.25 min Scan# 802
 Delta R.T. -0.01 min
 Lab File: BF084726.D
 Acq: 1 Feb 2016 23:09

Tgt Ion:178 Resp: 365212
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.3 22.9
 179 15.6 12.0 18.0



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: 16.32 ng

RT: 11.30 min Scan# 806

Delta R.T. -0.02 min

Lab File: BF084726.D

Acq: 1 Feb 2016 23:09

Instrument :

BNA_F

ClientSampleId :

9024DL

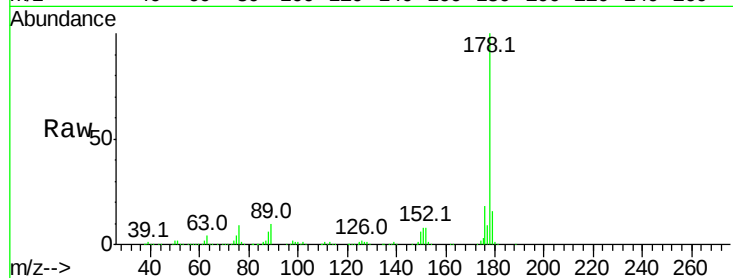
Tot Ion:178 Resp: 533733

Ion Ratio Lower Upper

178 100

176 18.5 15.4 23.0

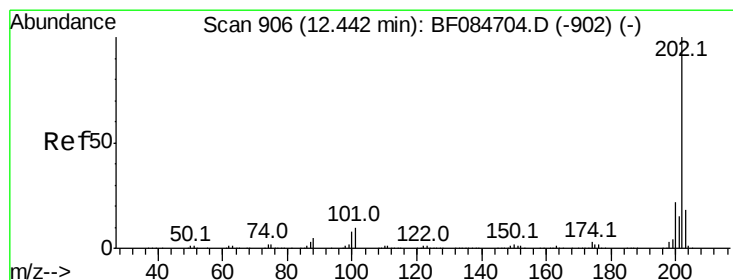
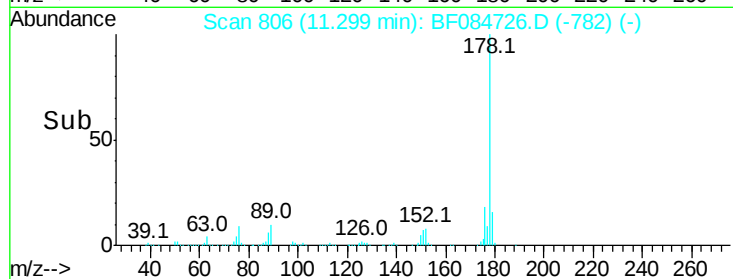
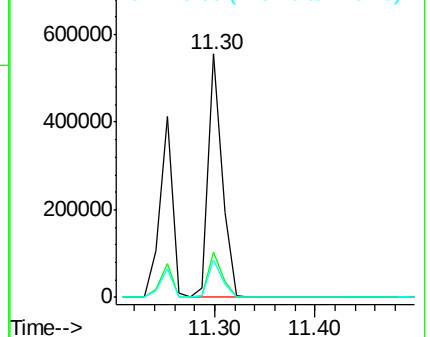
179 15.6 12.5 18.7



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



#74

Fluoranthene

Concen: 22.02 ng

RT: 12.43 min Scan# 905

Delta R.T. -0.02 min

Lab File: BF084726.D

Acq: 1 Feb 2016 23:09

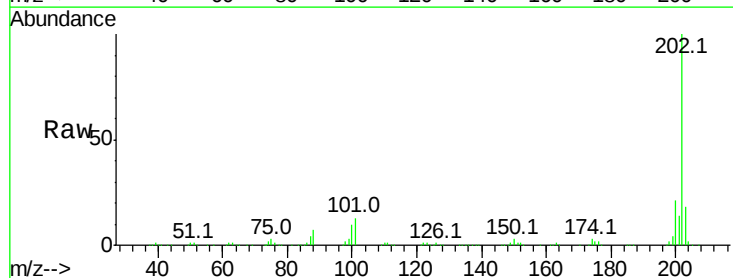
Tgt Ion:202 Resp: 723642

Ion Ratio Lower Upper

202 100

101 13.2 0.0 32.8

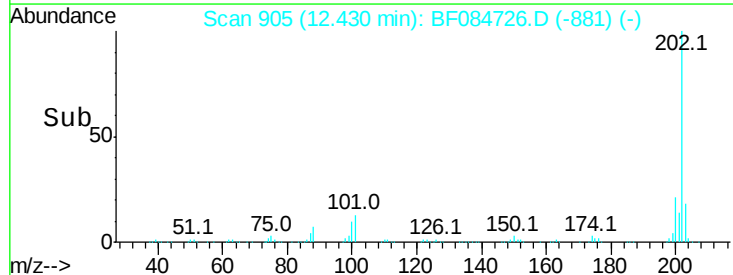
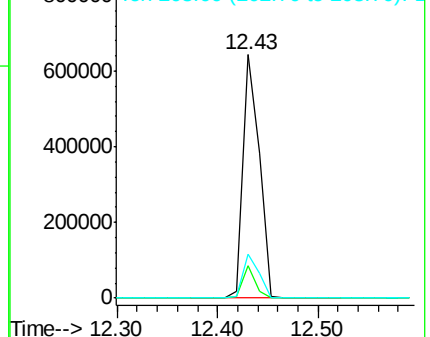
203 17.8 0.0 37.9

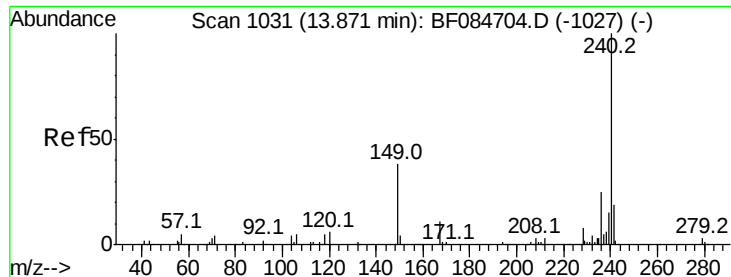


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.86 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BF084726.D

Acq: 1 Feb 2016 23:09

Instrument :

BNA_F

ClientSampleId :

9024DL

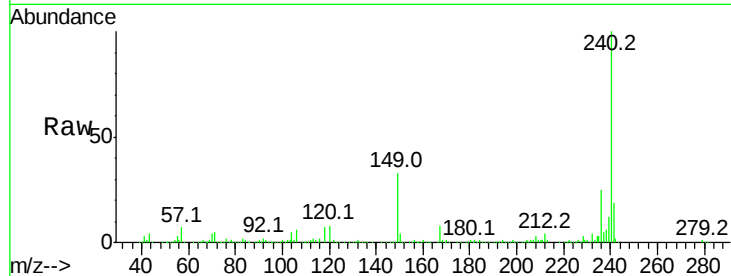
Tot Ion:240 Resp: 446050

Ion Ratio Lower Upper

240 100

120 8.4 9.5 14.3#

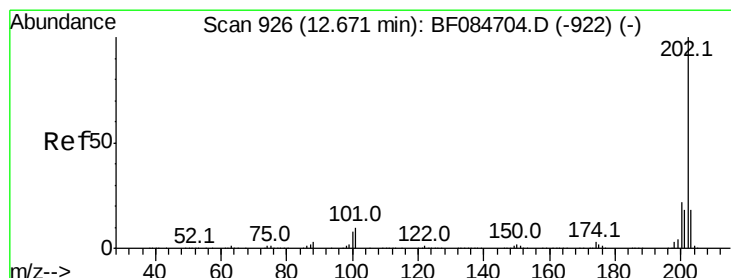
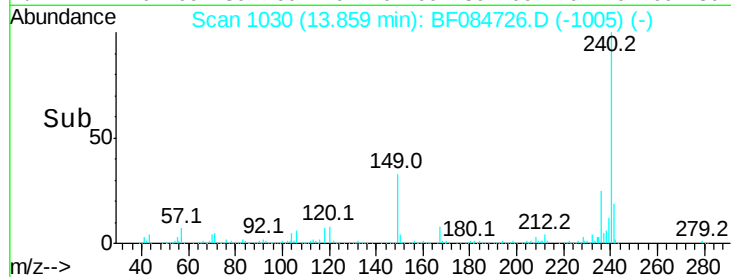
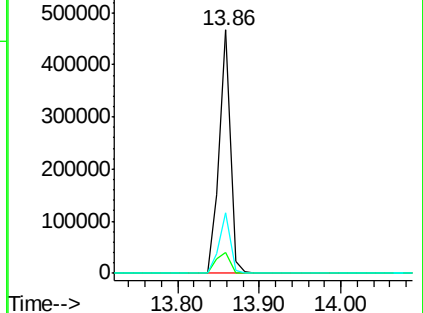
236 24.7 20.6 31.0



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 20.13 ng

RT: 12.66 min Scan# 925

Delta R.T. -0.02 min

Lab File: BF084726.D

Acq: 1 Feb 2016 23:09

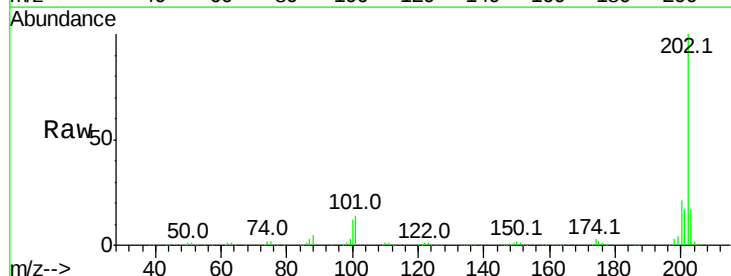
Tgt Ion:202 Resp: 687614

Ion Ratio Lower Upper

202 100

200 21.0 17.2 25.8

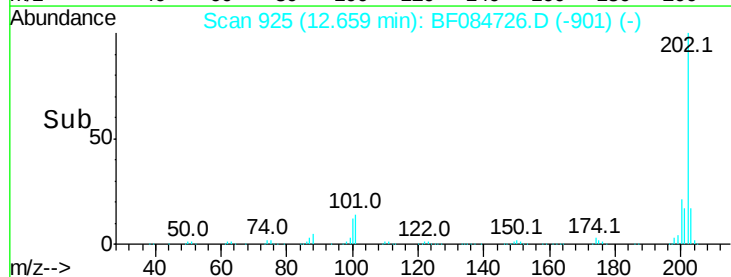
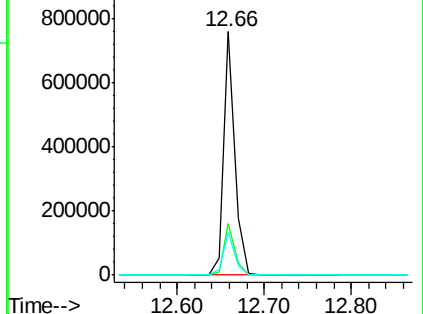
203 17.5 14.3 21.5

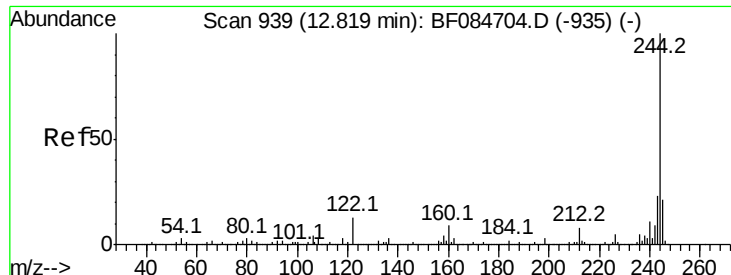


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 15.92 ng

RT: 12.81 min Scan# 938

Delta R.T. -0.02 min

Lab File: BF084726.D

Acq: 1 Feb 2016 23:09

Instrument :

BNA_F

ClientSampleId :

9024DL

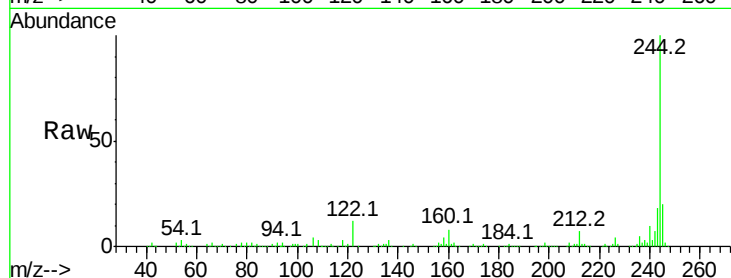
Tot Ion:244 Resp: 313405

Ion Ratio Lower Upper

244 100

212 7.1 5.7 8.5

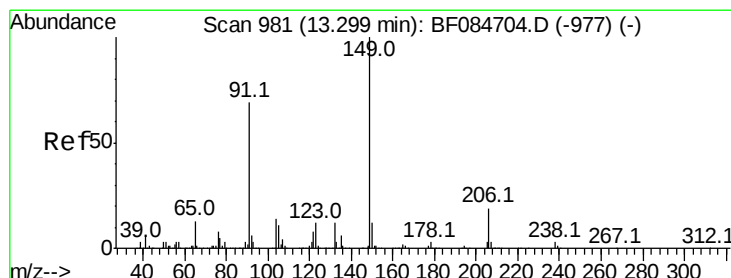
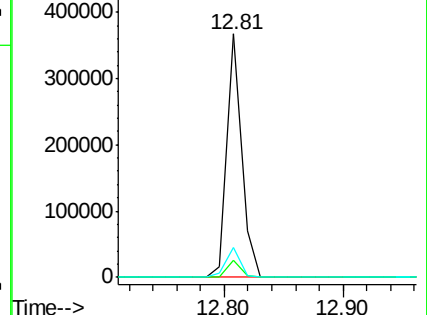
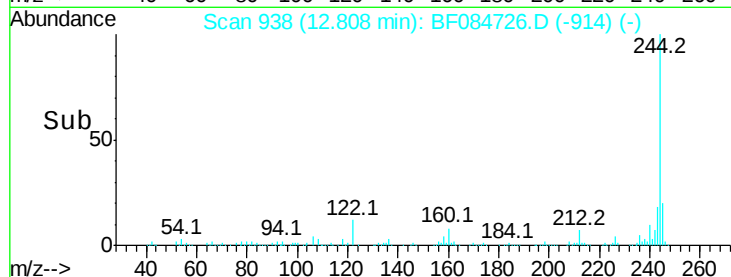
122 12.3 7.4 11.0#



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: 25.52 ng

RT: 13.29 min Scan# 980

Delta R.T. -0.02 min

Lab File: BF084726.D

Acq: 1 Feb 2016 23:09

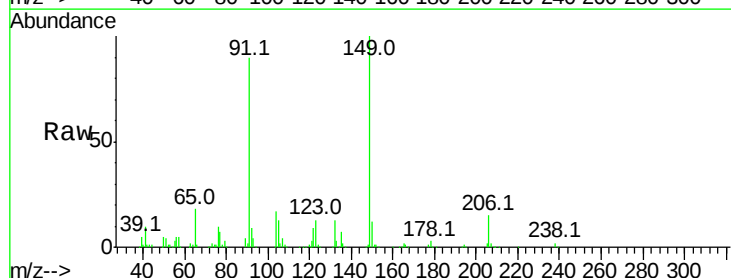
Tgt Ion:149 Resp: 395384

Ion Ratio Lower Upper

149 100

91 89.8 57.6 86.4#

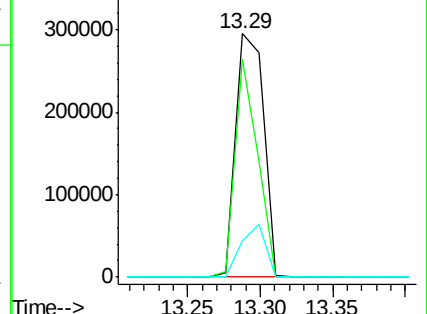
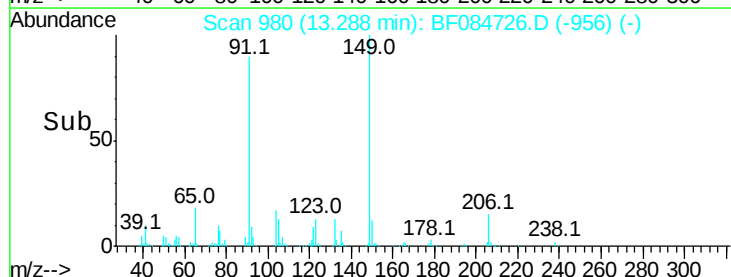
206 14.9 13.2 19.8

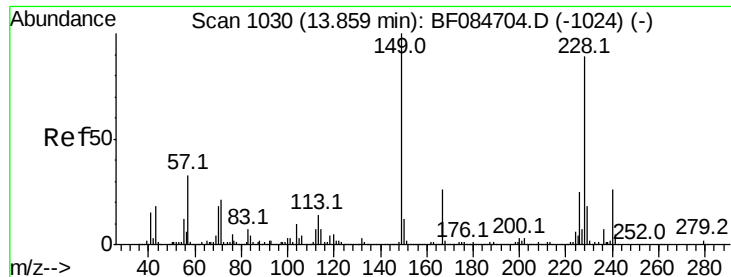


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E

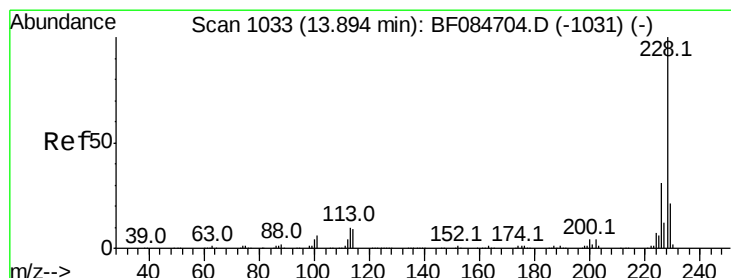
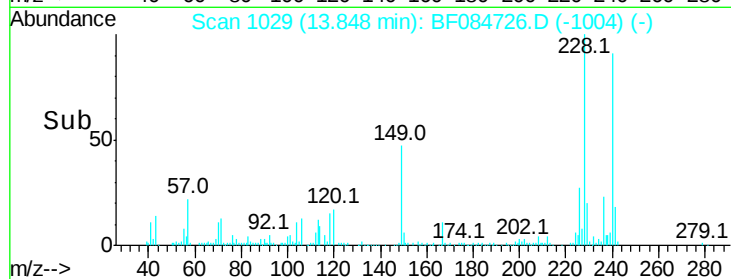
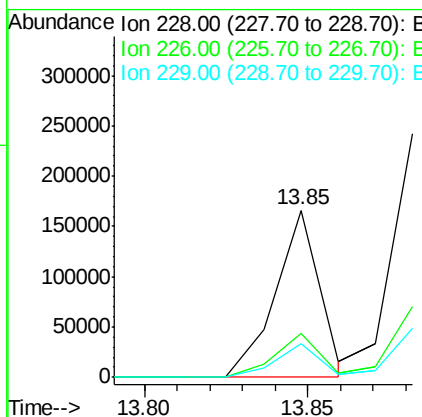
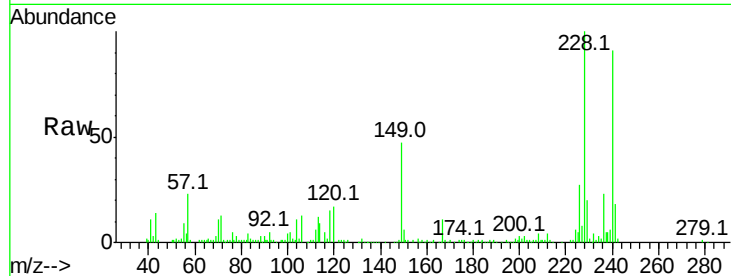




#80
Benzo(a)anthracene
Concen: 5.68 ng
RT: 13.85 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF084726.D
Acq: 1 Feb 2016 23:09

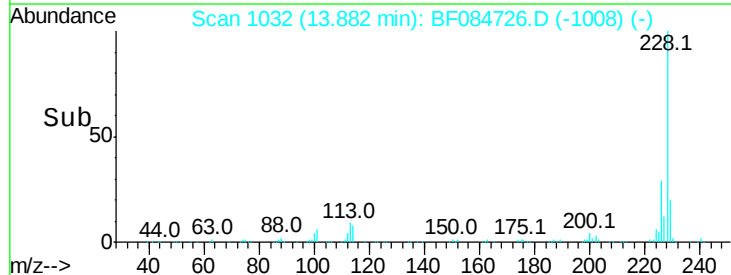
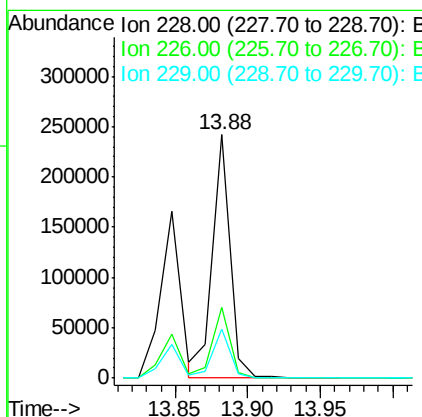
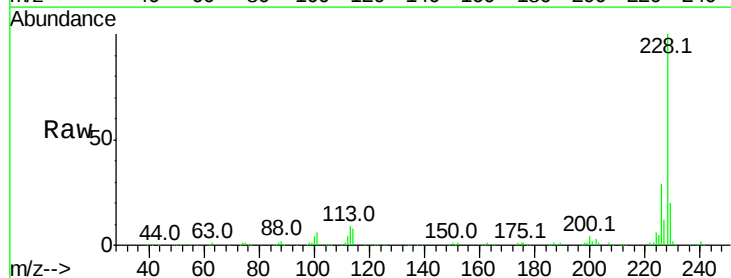
Instrument :
BNA_F
ClientSampleId :
9024DL

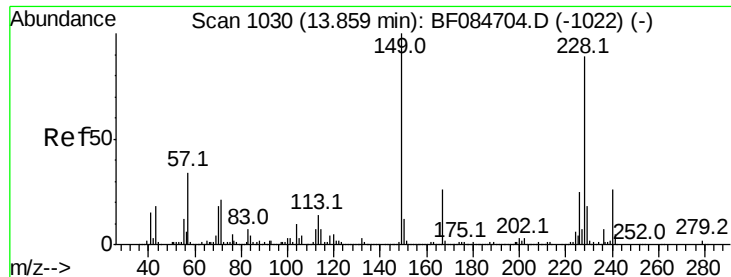
Tot Ion:228 Resp: 157138
Ion Ratio Lower Upper
228 100
226 26.7 21.8 32.6
229 20.2 15.8 23.8



#82
Chrysene
Concen: 7.70 ng
RT: 13.88 min Scan# 1032
Delta R.T. -0.02 min
Lab File: BF084726.D
Acq: 1 Feb 2016 23:09

Tgt Ion:228 Resp: 206610
Ion Ratio Lower Upper
228 100
226 29.3 24.3 36.5
229 20.0 16.1 24.1

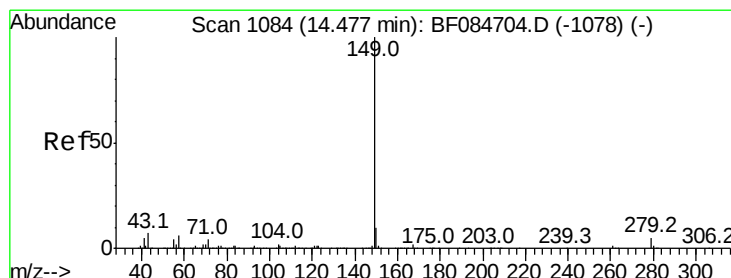
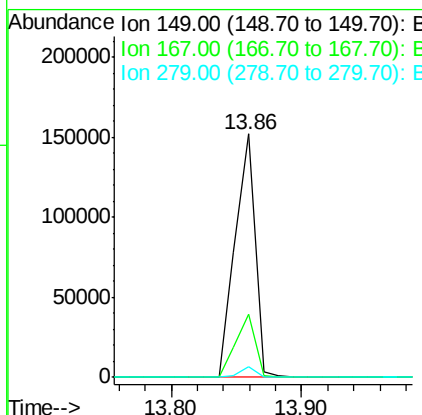
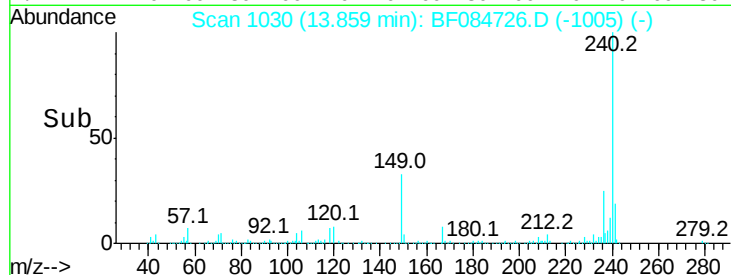
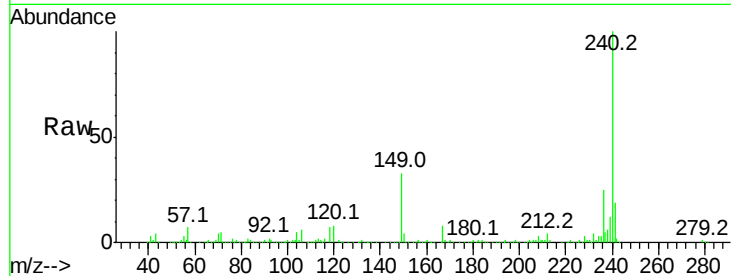




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 8.41 ng
 RT: 13.86 min Scan# 1030
 Delta R.T. -0.01 min
 Lab File: BF084726.D
 Acq: 1 Feb 2016 23:09

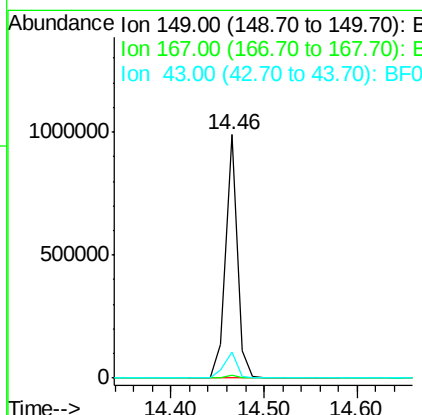
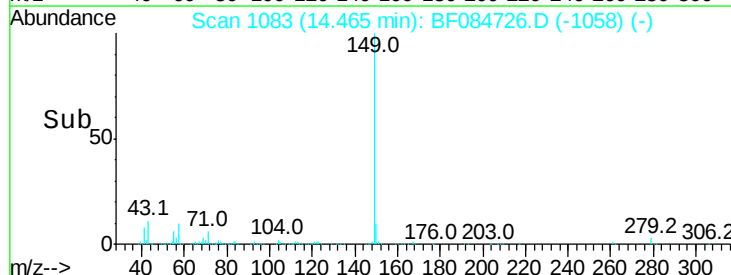
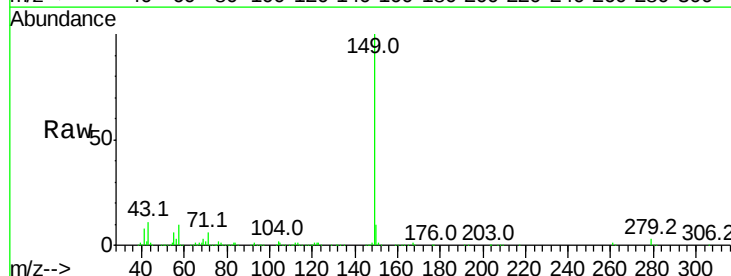
Instrument :
 BNA_F
 ClientSampleId :
 9024DL

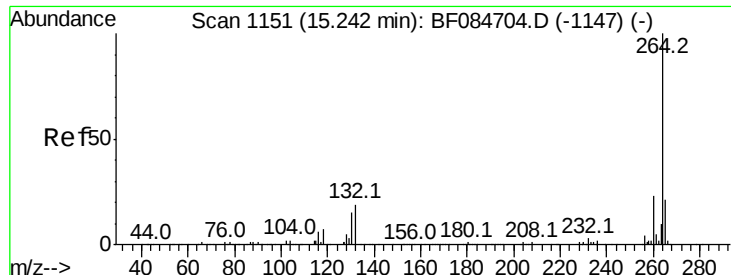
Tot Ion	Ratio	Lower	Upper
149	100		
167	25.8	19.7	29.5
279	4.4	1.8	2.6



#84
 Di-n-octyl phthalate
 Concen: 26.92 ng
 RT: 14.46 min Scan# 1083
 Delta R.T. -0.01 min
 Lab File: BF084726.D
 Acq: 1 Feb 2016 23:09

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	11.2	5.6	8.4



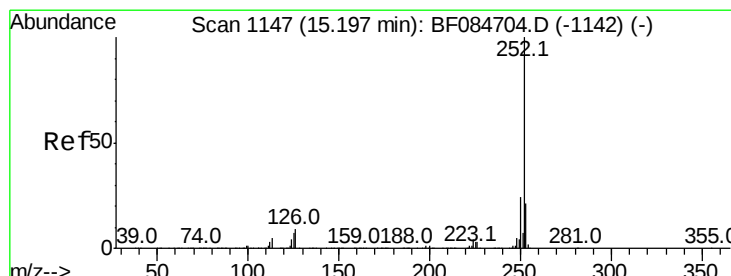
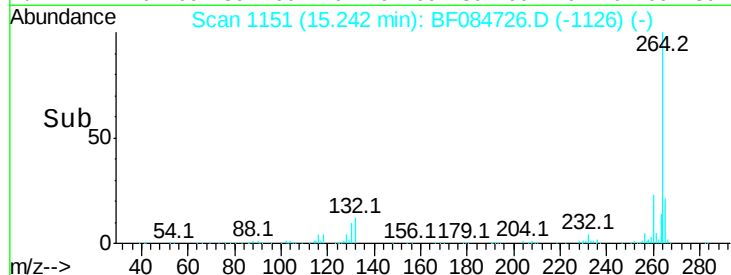
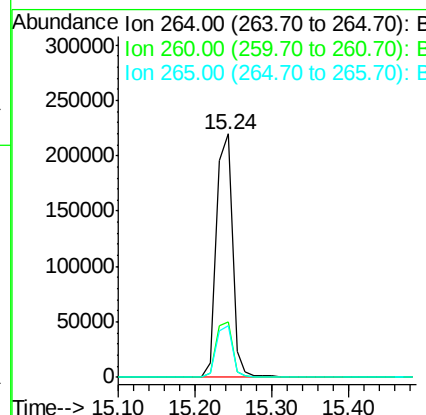
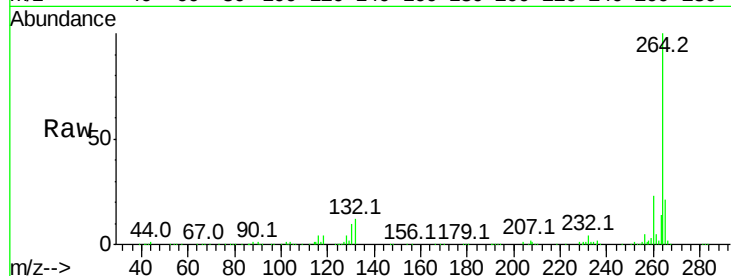


#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.24 min Scan# 1151
Delta R.T. -0.01 min
Lab File: BF084726.D
Acq: 1 Feb 2016 23:09

Instrument :
BNA_F
ClientSampleID :
9024DL

Tot Ion:264 Resp: 317841

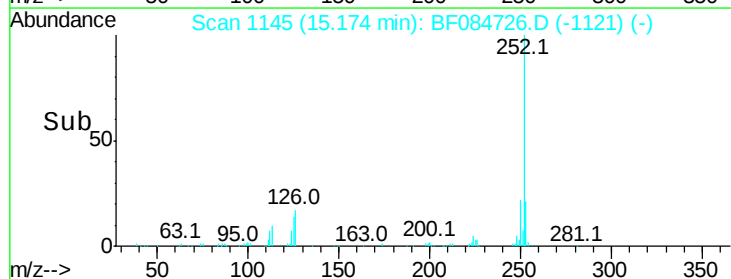
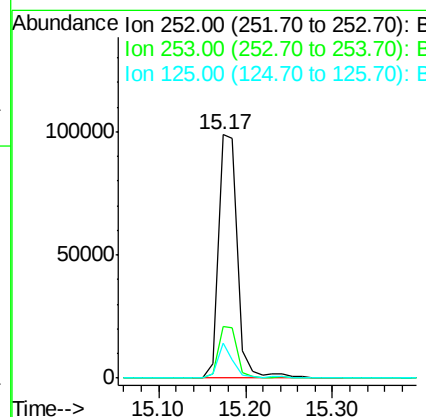
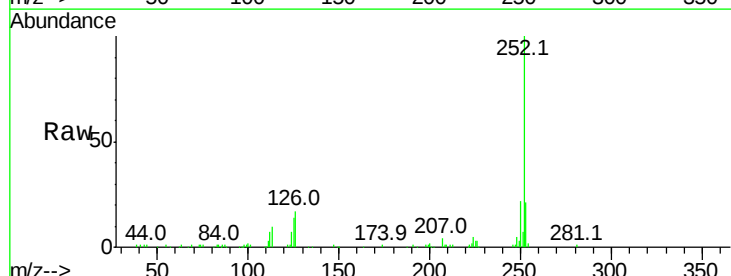
Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.4	29.2
265	21.4	17.8	26.6

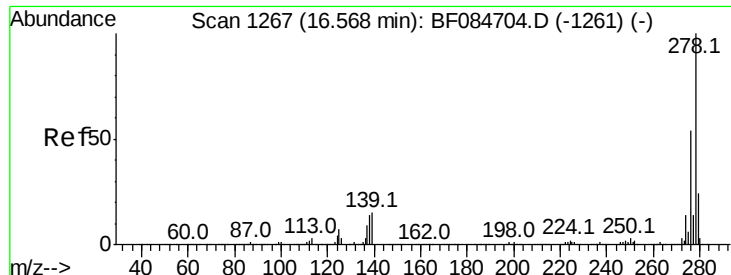


#89
Benzo(a)pyrene
Concen: 8.37 ng
RT: 15.17 min Scan# 1145
Delta R.T. -0.02 min
Lab File: BF084726.D
Acq: 1 Feb 2016 23:09

Tgt Ion:252 Resp: 152252

Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.3	25.9
125	14.4	7.0	10.4



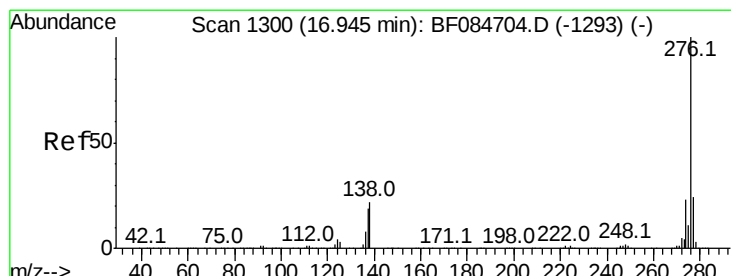
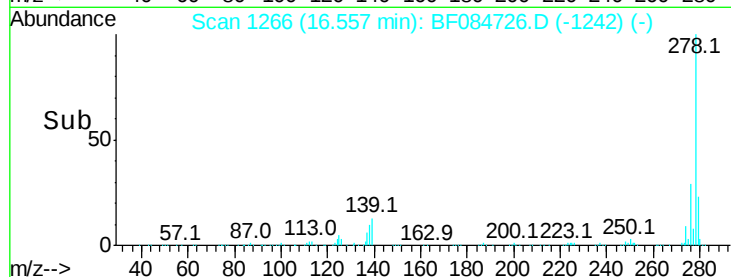
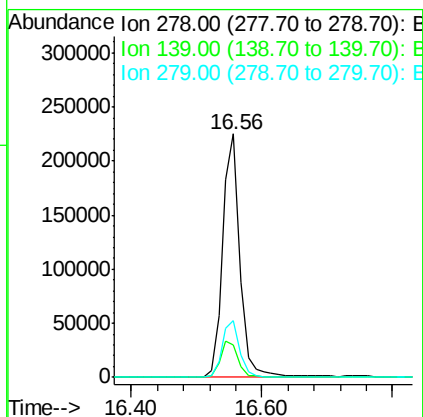
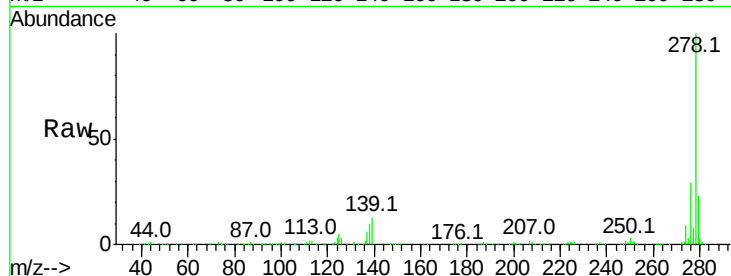


#90
Dibenzo(a,h)anthracene
Concen: 27.25 ng
RT: 16.56 min Scan# 1266
Delta R.T. -0.02 min
Lab File: BF084726.D
Acq: 1 Feb 2016 23:09

Instrument :
BNA_F
ClientSampleId :
9024DL

Tot Ion:278 Resp: 417398

Ion	Ratio	Lower	Upper
278	100		
139	13.2	15.0	22.4#
279	23.4	18.9	28.3



#91
Benzo(g,h,i)perylene
Concen: 32.54 ng
RT: 16.93 min Scan# 1299
Delta R.T. -0.02 min
Lab File: BF084726.D
Acq: 1 Feb 2016 23:09

Tgt Ion:276 Resp: 502134

Ion	Ratio	Lower	Upper
276	100		
277	24.6	18.8	28.2
138	20.7	17.8	26.6

