

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020316\
 Data File : BF084787.D
 Acq On : 3 Feb 2016 16:00
 Operator : SJ/IZ
 Sample : H1256-18DL 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 9024DL

Quant Time: Feb 04 03:47:42 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 03 14:16:01 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	196751	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	828990	20.00	ng	0.00
38) Acenaphthene-d10	9.72	164	379739	20.00	ng	-0.01
63) Phenanthrene-d10	11.21	188	740821	20.00	ng	0.00
75) Chrysene-d12	13.84	240	628527	20.00	ng	0.00
86) Perylene-d12	15.21	264	451133	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	260700	20.64	ng	-0.01
7) Phenol-d6	6.33	99	311539	19.89	ng	-0.01
23) Nitrobenzene-d5	7.25	82	196840	13.38	ng	-0.01
41) 2,4,6-Tribromophenol	10.51	330	83504	21.08	ng	-0.01
44) 2-Fluorobiphenyl	9.05	172	362413	11.64	ng	-0.01
78) Terphenyl-d14	12.79	244	371873	13.41	ng	-0.01

Target Compounds				Qvalue		
8) 2-Chlorophenol	6.46	128	364024	25.46	ng	89
10) Phenol	6.34	94	94025	5.36	ng	94
11) bis(2-Chloroethyl)ether	6.42	93	169755	12.41	ng	# 83
14) 1,2-Dichlorobenzene	6.85	146	332649	23.65	ng	98
17) 2-Methylphenol	6.96	107	148399	13.12	ng	99
18) Hexachloroethane	7.20	117	120101	20.65	ng	95
19) n-Nitroso-di-n-propylamine	7.10	70	311796	31.76	ng	# 71
20) 3+4-Methylphenols	7.12	107	379394	27.03	ng	87
24) Nitrobenzene	7.28	77	491933	31.22	ng	97
25) Isophorone	7.52	82	501652	17.53	ng	98
26) 2-Nitrophenol	7.60	139	172097	22.14	ng	94
28) bis(2-Chloroethoxy)methane	7.73	93	320000	18.85	ng	99
29) 2,4-Dichlorophenol	7.84	162	170366	14.73	ng	96
30) 1,2,4-Trichlorobenzene	7.92	180	99012	7.58	ng	96
31) Naphthalene	8.00	128	1034727	24.88	ng	99
34) Hexachlorobutadiene	8.12	225	100280	13.31	ng	98
36) 4-Chloro-3-methylphenol	8.53	107	281775	21.35	ng	87
42) 2,4,6-Trichlorophenol	8.97	196	70908	9.13	ng	97
43) 2,4,5-Trichlorophenol	9.01	196	140964	17.86	ng	92
46) 2-Chloronaphthalene	9.17	162	525403	21.03	ng	93
54) Dibenzofuran	9.93	168	454002	15.06	ng	96
56) 2,4-Dinitrotoluene	9.92	165	74288	9.22	ng	# 79
57) Fluorene	10.27	166	597831	23.75	ng	99
59) Diethylphthalate	10.16	149	799041	28.29	ng	99
60) 4-Chlorophenyl-phenylether	10.27	204	405081	37.02	ng	96
66) 4-Bromophenyl-phenylether	10.76	248	212656	25.99	ng	95
67) Hexachlorobenzene	10.82	284	118812	13.33	ng	94
69) Pentachlorophenol	11.01	266	100955	24.09	ng	97
70) Phenanthrene	11.23	178	423630	10.31	ng	100
71) Anthracene	11.28	178	617602	14.92	ng	99
74) Fluoranthene	12.41	202	858508	20.64	ng	99
77) Pyrene	12.64	202	826855	17.18	ng	100
79) Butylbenzylphthalate	13.28	149	503815	23.08	ng	# 81
80) Benzo(a)anthracene	13.83	228	203279	5.21	ng	99

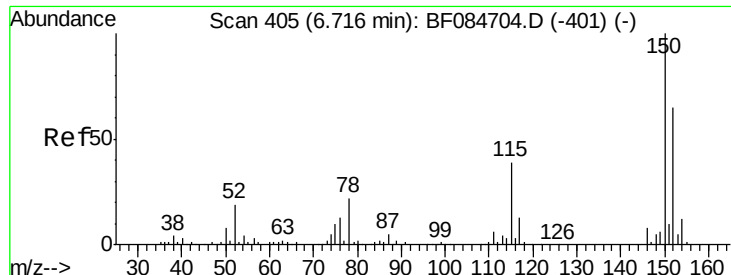
Data Path : Z:\HPCHEM1\BNA F\DATA\BF020316\
Data File : BF084787.D
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Operator : SJ/IZ
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QLast Update : Wed Feb 03 14:16:01 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) Chrysene	13.86	228	279291	7.38	ng	99
83) Bis(2-ethylhexyl)phthalate	13.84	149	211914	7.80	ng	# 98
84) Di-n-octyl phthalate	14.44	149	1099456	24.53	ng	# 88
89) Benzo(a)pyrene	15.15	252	196071	7.59	ng	# 98
90) Dibenzo(a,h)anthracene	16.51	278	443173	20.38	ng	98
91) Benzo(a,h,i)perylene	16.89	276	538872	24.61	ng	97

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.68 min Scan# 402

Delta R.T. 0.00 min

Lab File: BF084787.D

Acq: 3 Feb 2016 16:00

Instrument :

BNA_F

ClientSampled :

9024DL

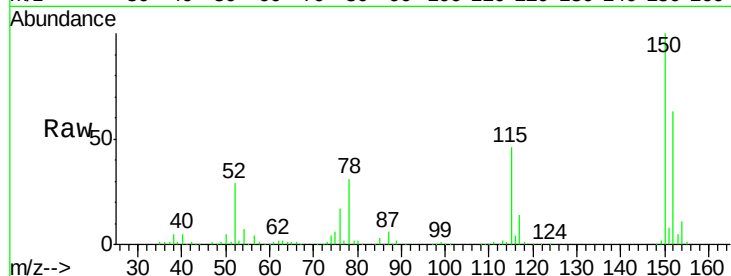
Tot Ion:152 Resp: 196751

Ion Ratio Lower Upper

152 100

150 159.1 123.0 184.4

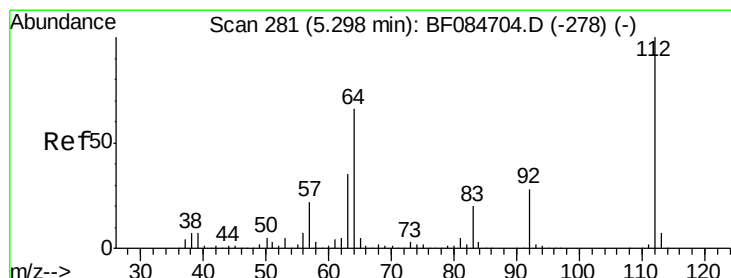
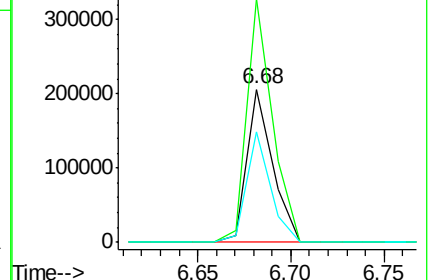
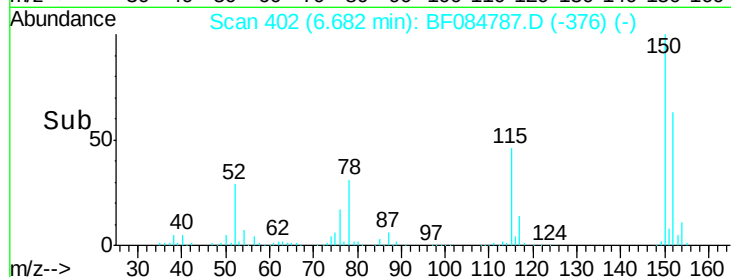
115 72.6 51.4 77.2



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: 20.64 ng

RT: 5.26 min Scan# 278

Delta R.T. -0.01 min

Lab File: BF084787.D

Acq: 3 Feb 2016 16:00

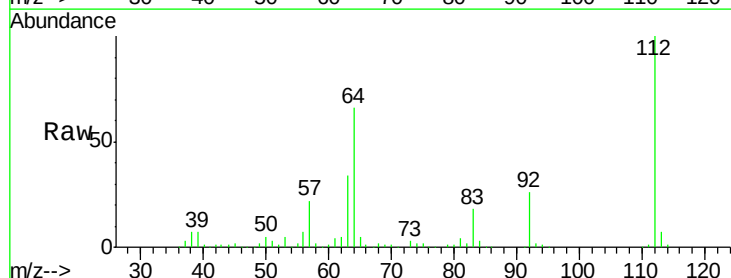
Tgt Ion:112 Resp: 260700

Ion Ratio Lower Upper

112 100

64 66.4 36.6 55.0#

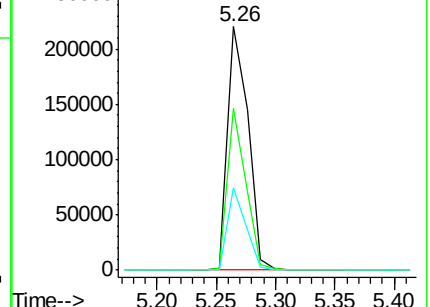
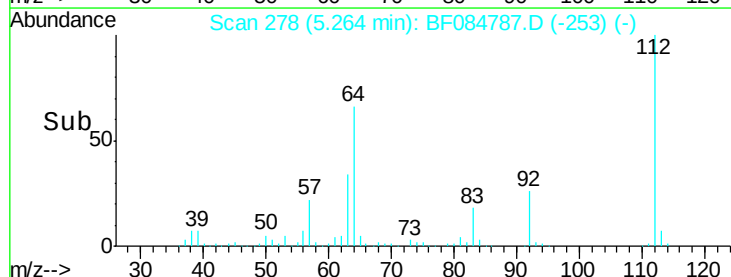
63 33.7 19.4 29.0#

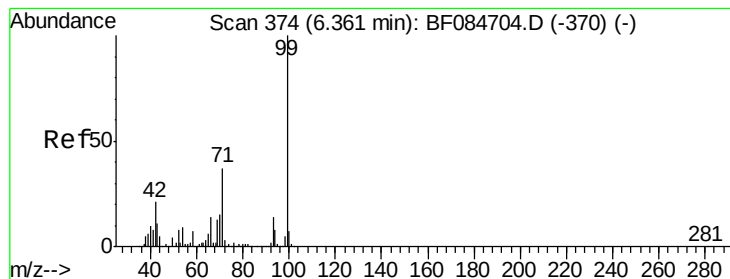


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 19.89 ng

RT: 6.33 min Scan# 371

Delta R.T. -0.01 min

Lab File: BF084787.D

Acq: 3 Feb 2016 16:00

Instrument :

BNA_F

ClientSampleId :

9024DL

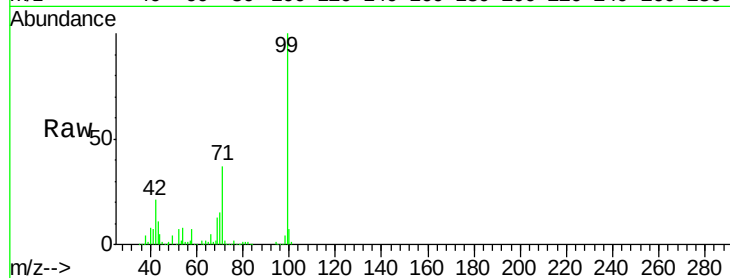
Tot Ion: 99 Resp: 311539

Ion Ratio Lower Upper

99 100

42 21.0 12.8 19.2#

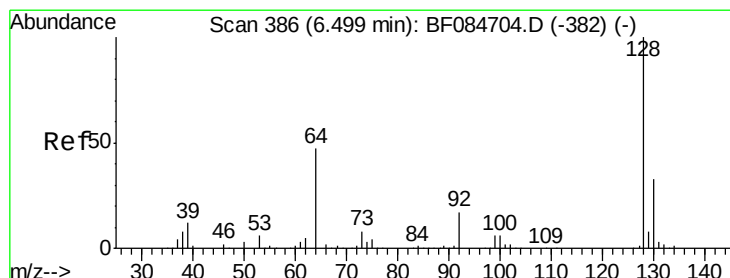
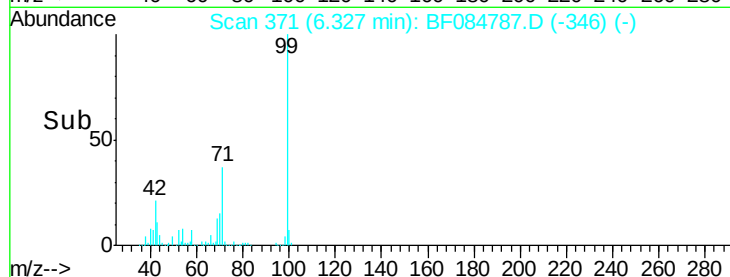
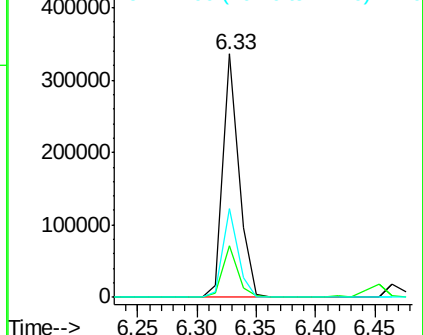
71 36.6 30.9 46.3



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 25.46 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.01 min

Lab File: BF084787.D

Acq: 3 Feb 2016 16:00

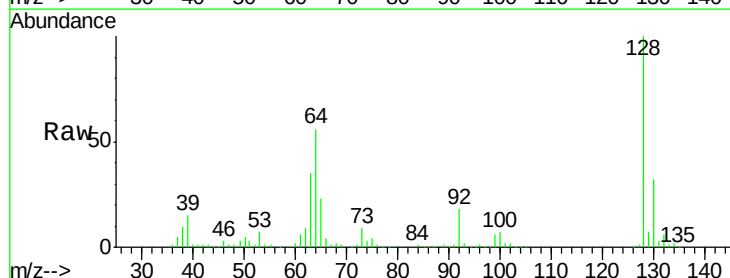
Tgt Ion: 128 Resp: 364024

Ion Ratio Lower Upper

128 100

130 31.6 11.6 51.6

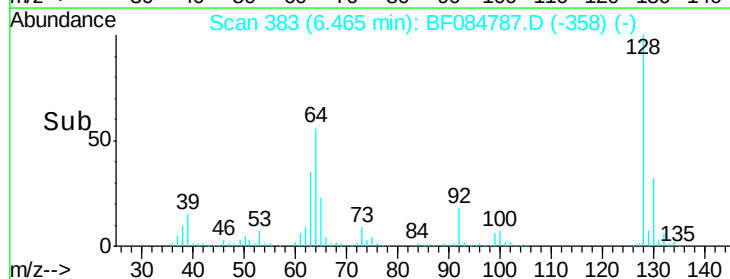
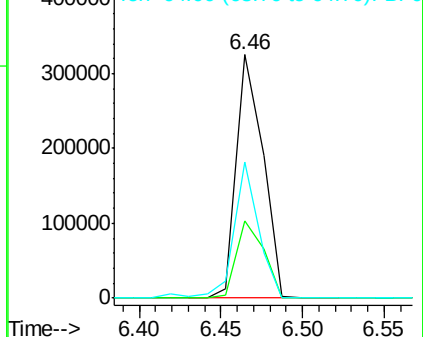
64 55.9 23.8 63.8

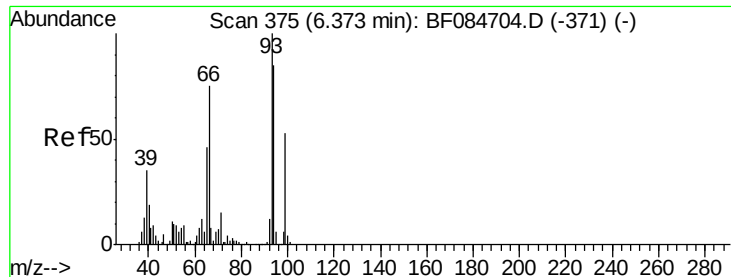


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#10

Phenol

Concen: 5.36 ng

RT: 6.34 min Scan# 372

Delta R.T. -0.01 min

Lab File: BF084787.D

Acq: 3 Feb 2016 16:00

Instrument :

BNA_F

ClientSampleID :

9024DL

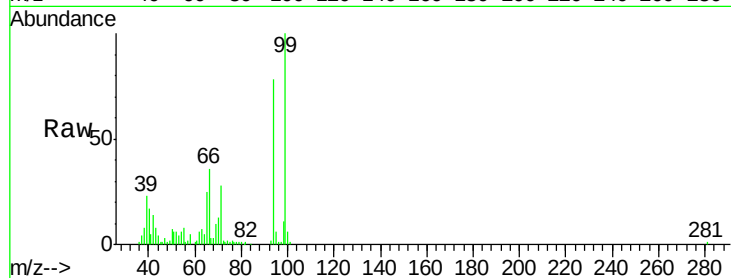
Tot Ion: 94 Resp: 94025

Ion Ratio Lower Upper

94 100

65 32.5 12.9 52.9

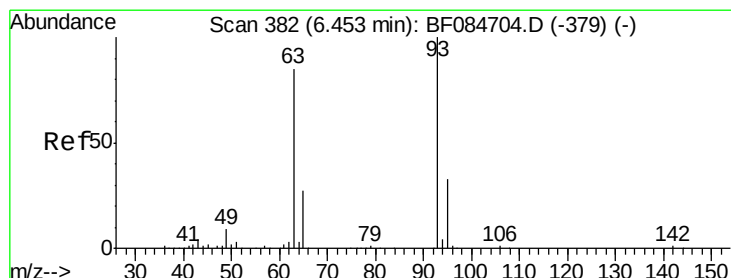
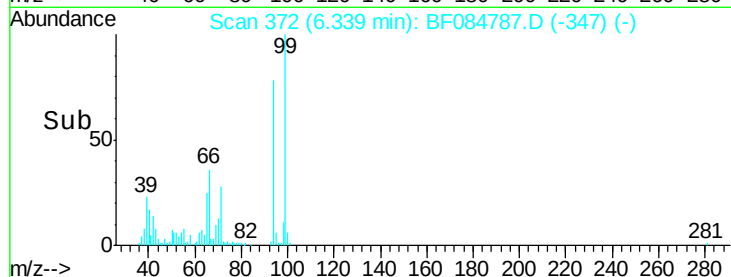
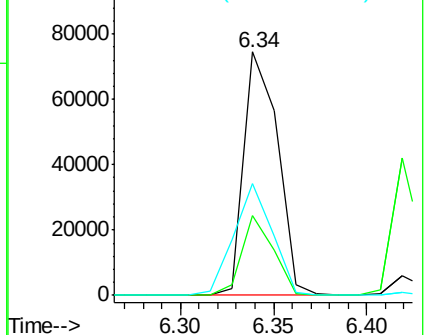
66 46.2 32.7 72.7



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



#11

bis(2-Chloroethyl)ether

Concen: 12.41 ng

RT: 6.42 min Scan# 379

Delta R.T. -0.01 min

Lab File: BF084787.D

Acq: 3 Feb 2016 16:00

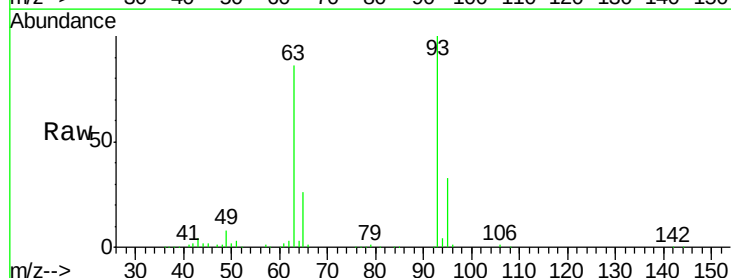
Tgt Ion: 93 Resp: 169755

Ion Ratio Lower Upper

93 100

63 86.2 45.9 85.9#

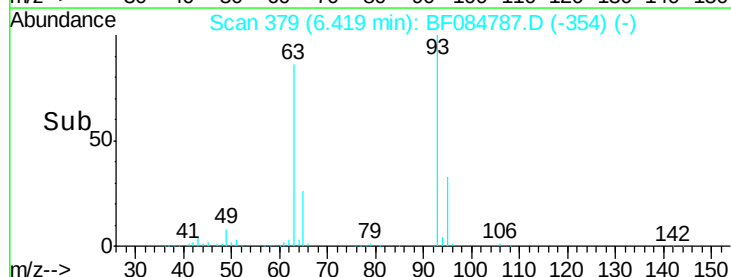
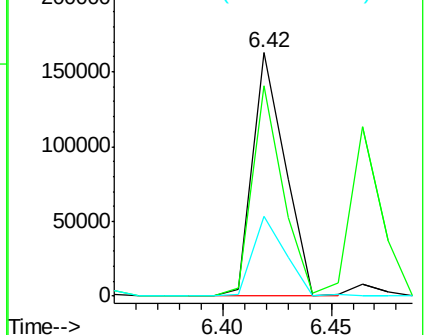
95 32.5 12.3 52.3

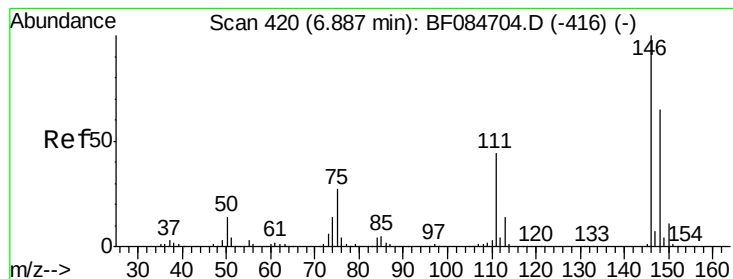


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

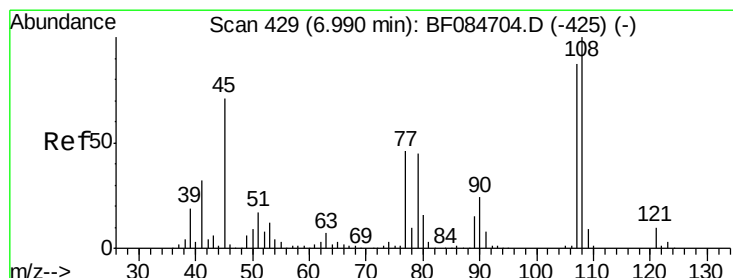
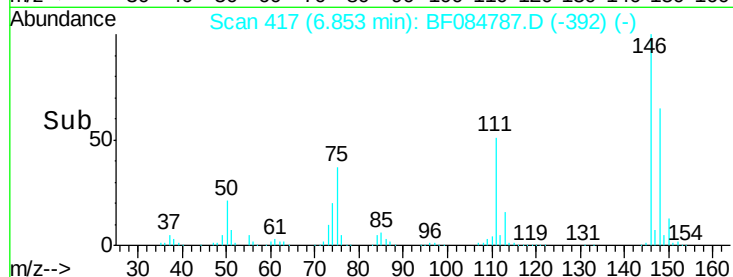
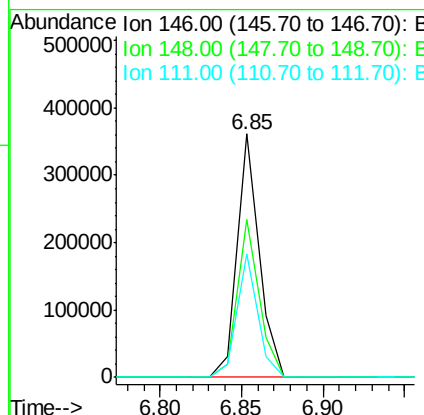
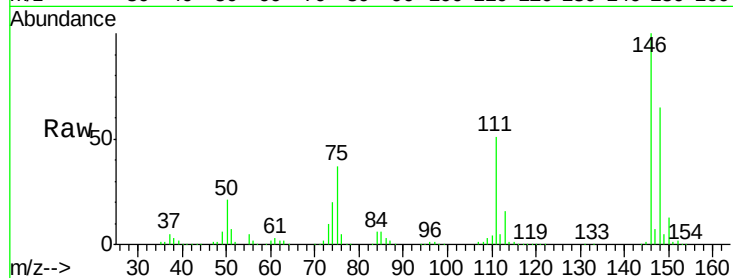




#14
 1,2-Dichlorobenzene
 Concen: 23.65 ng
 RT: 6.85 min Scan# 417
 Delta R.T. -0.01 min
 Lab File: BF084787.D
 Acq: 3 Feb 2016 16:00

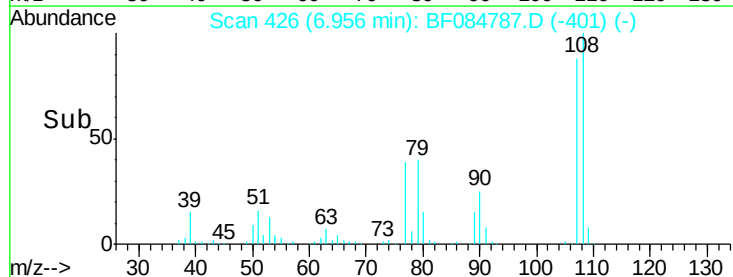
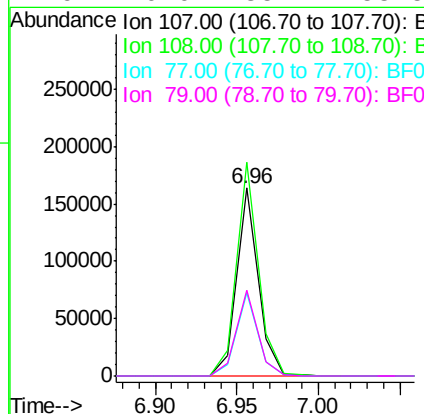
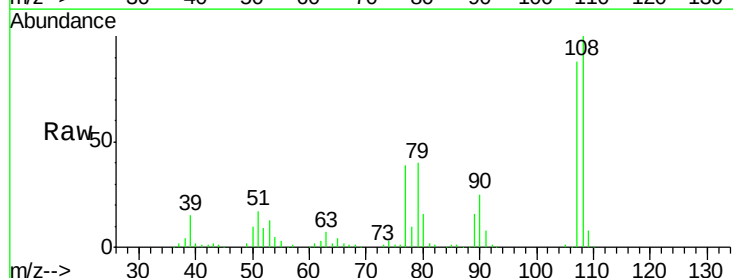
Instrument :
 BNA_F
 ClientSampleID :
 9024DL

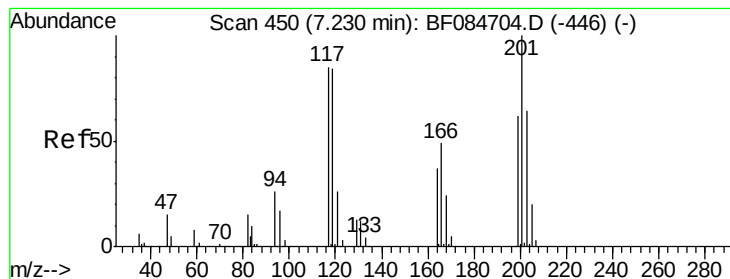
Tot Ion:146 Resp: 332649
 Ion Ratio Lower Upper
 146 100
 148 64.6 51.6 77.4
 111 50.7 38.0 57.0



#17
 2-Methylphenol
 Concen: 13.12 ng
 RT: 6.96 min Scan# 426
 Delta R.T. -0.01 min
 Lab File: BF084787.D
 Acq: 3 Feb 2016 16:00

Tgt Ion:107 Resp: 148399
 Ion Ratio Lower Upper
 107 100
 108 113.7 89.8 134.6
 77 44.2 35.7 53.5
 79 46.0 35.7 53.5





#18

Hexachloroethane

Concen: 20.65 ng

RT: 7.20 min Scan# 447

Delta R.T. 0.00 min

Lab File: BF084787.D

Acq: 3 Feb 2016 16:00

Instrument :

BNA_F

ClientSampleId :

9024DL

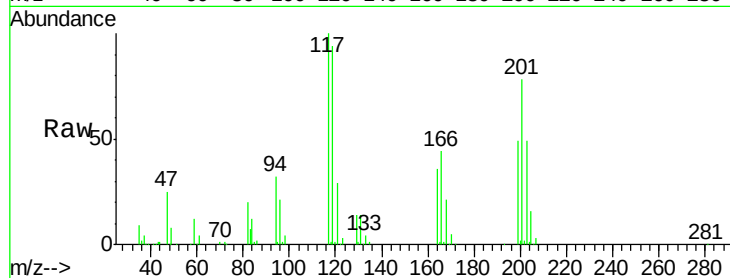
Tot Ion:117 Resp: 120101

Ion Ratio Lower Upper

117 100

119 94.5 77.4 116.0

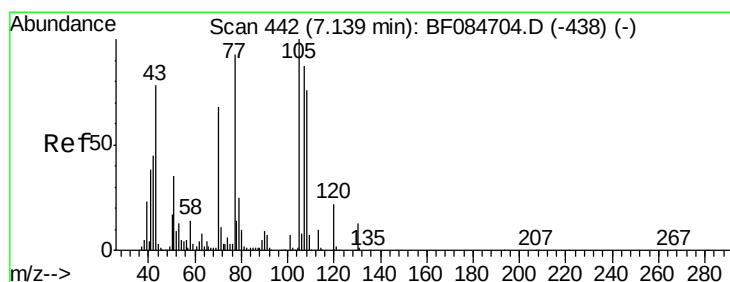
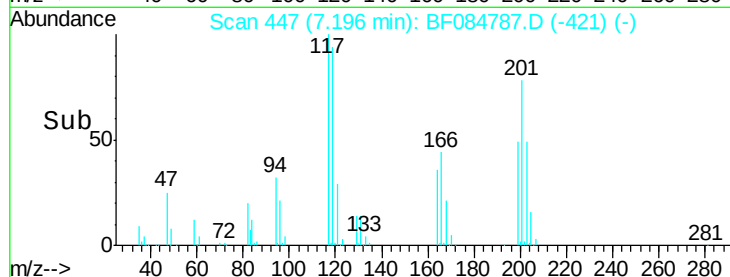
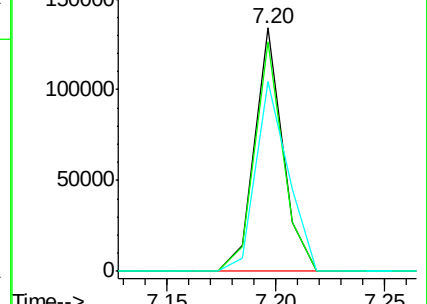
201 78.2 68.6 103.0



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



#19

n-Nitroso-di-n-propylamine

Concen: 31.76 ng

RT: 7.10 min Scan# 439

Delta R.T. -0.01 min

Lab File: BF084787.D

Acq: 3 Feb 2016 16:00

Tgt Ion: 70 Resp: 311796

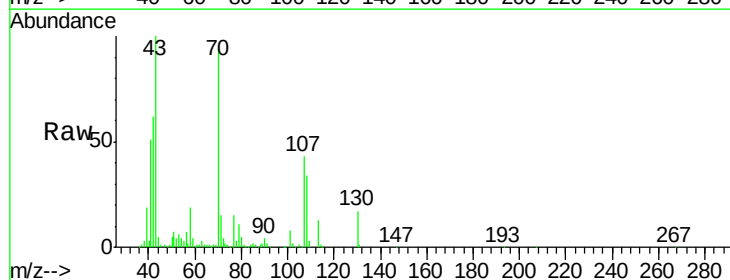
Ion Ratio Lower Upper

70 100

42 66.4 33.3 49.9#

101 8.7 9.3 13.9#

130 17.6 23.4 35.0#

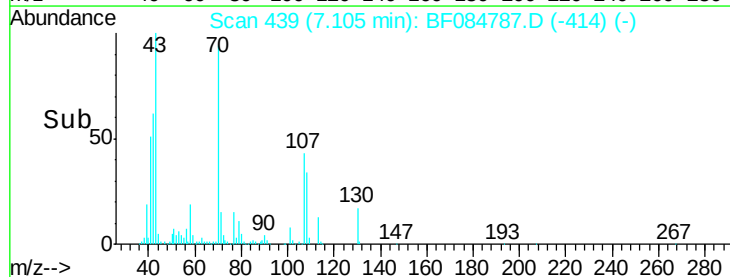
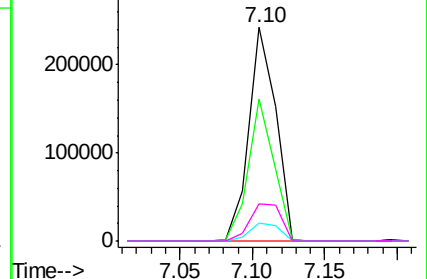


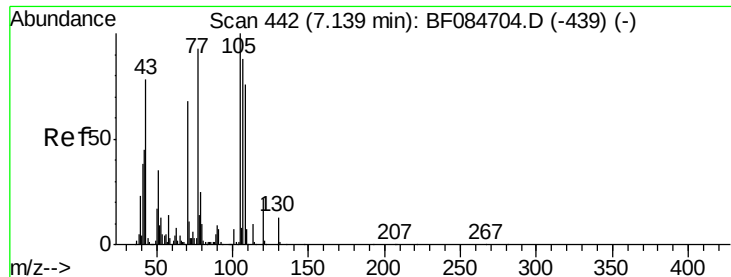
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

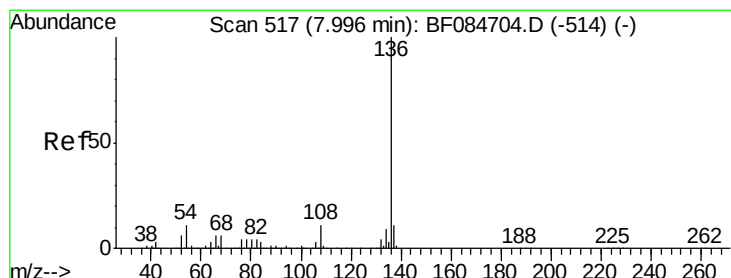
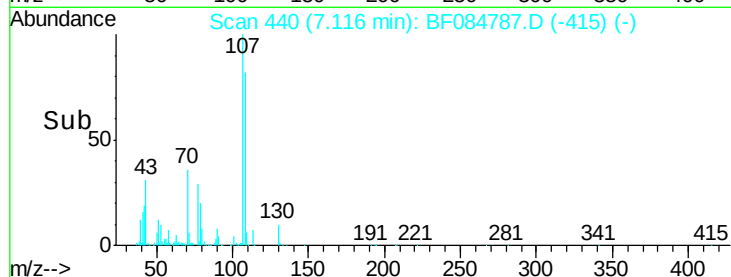
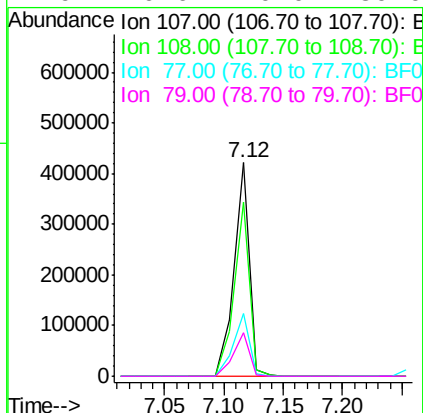
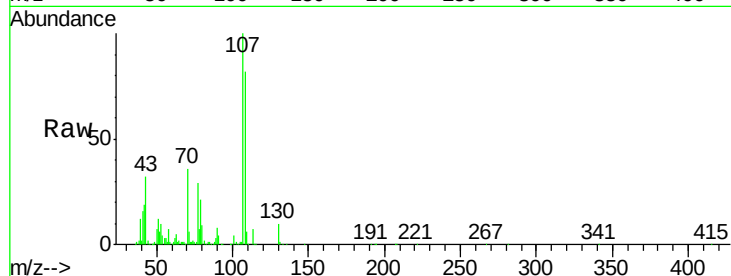




#20
3+4-Methylphenols
Concen: 27.03 ng
RT: 7.12 min Scan# 440
Delta R.T. -0.01 min
Lab File: BF084787.D
Acq: 3 Feb 2016 16:00

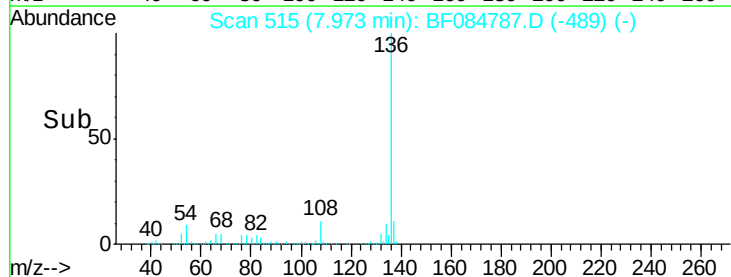
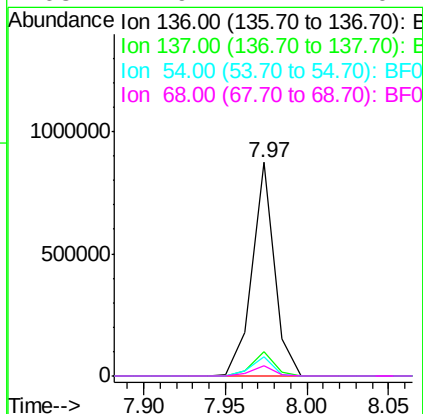
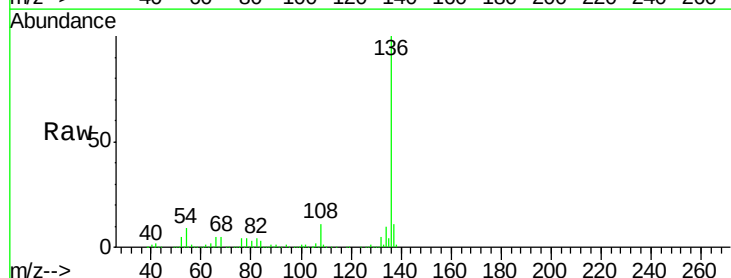
Instrument :
BNA_F
ClientSampleId :
9024DL

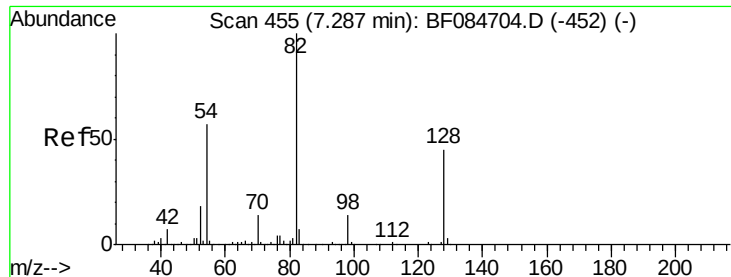
Tot Ion:107 Resp: 379394
Ion Ratio Lower Upper
107 100
108 81.7 74.6 114.6
77 29.4 0.7 40.7
79 20.6 0.0 39.0



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.97 min Scan# 515
Delta R.T. 0.00 min
Lab File: BF084787.D
Acq: 3 Feb 2016 16:00

Tgt Ion:136 Resp: 828990
Ion Ratio Lower Upper
136 100
137 11.4 8.7 13.1
54 8.9 5.8 8.8#
68 4.9 4.2 6.2

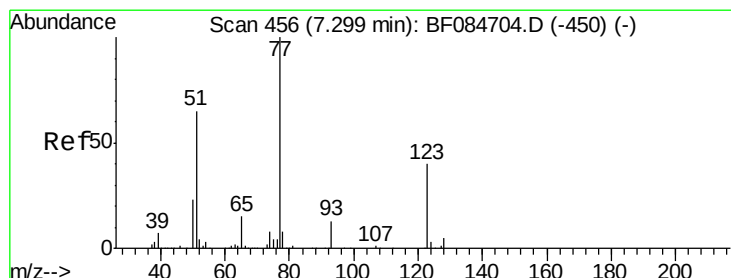
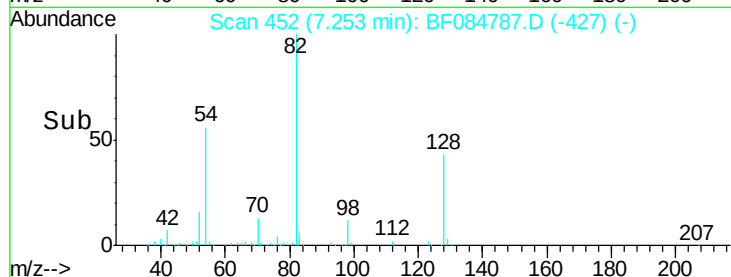
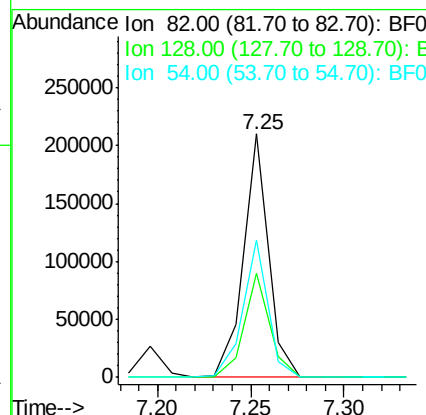
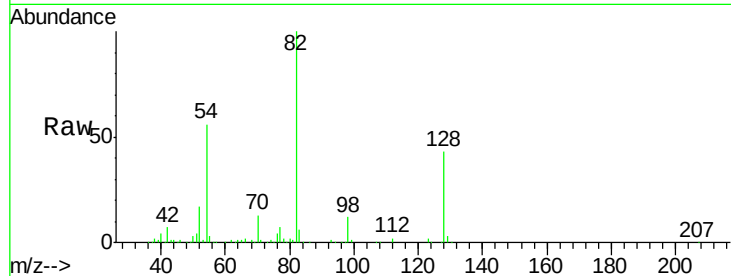




#23
 Nitrobenzene-d5
 Concen: 13.38 ng
 RT: 7.25 min Scan# 452
 Delta R.T. -0.01 min
 Lab File: BF084787.D
 Acq: 3 Feb 2016 16:00

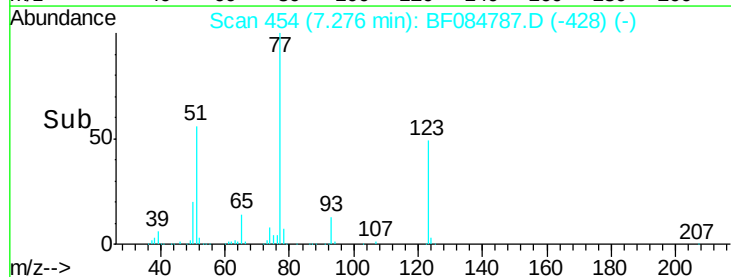
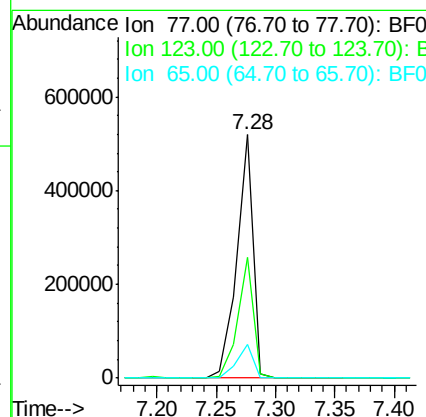
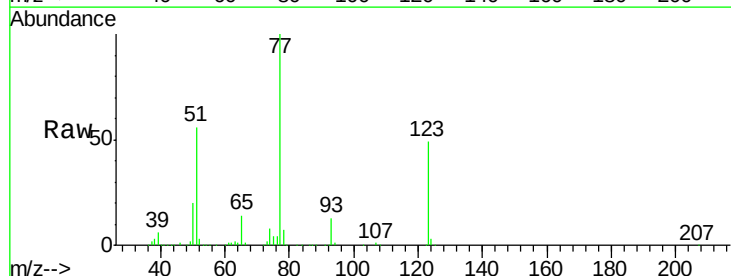
Instrument :
 BNA_F
 ClientSampleID :
 9024DL

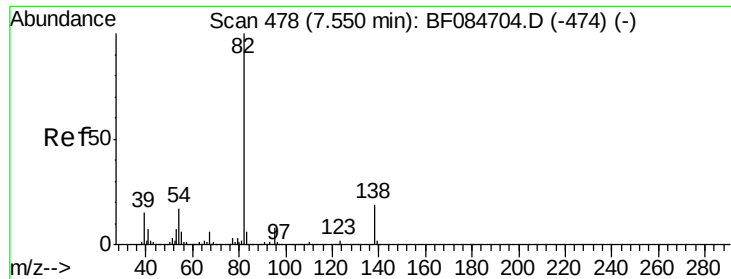
Tot Ion: 82 Resp: 196840
 Ion Ratio Lower Upper
 82 100
 128 42.9 34.6 51.8
 54 56.3 38.4 57.6



#24
 Nitrobenzene
 Concen: 31.22 ng
 RT: 7.28 min Scan# 454
 Delta R.T. 0.00 min
 Lab File: BF084787.D
 Acq: 3 Feb 2016 16:00

Tgt Ion: 77 Resp: 491933
 Ion Ratio Lower Upper
 77 100
 123 49.4 37.4 56.2
 65 14.0 10.9 16.3





#25

Isophorone

Concen: 17.53 ng

RT: 7.52 min Scan# 475

Delta R.T. -0.01 min

Lab File: BF084787.D

Acq: 3 Feb 2016 16:00

Instrument :

BNA_F

ClientSampleId :

9024DL

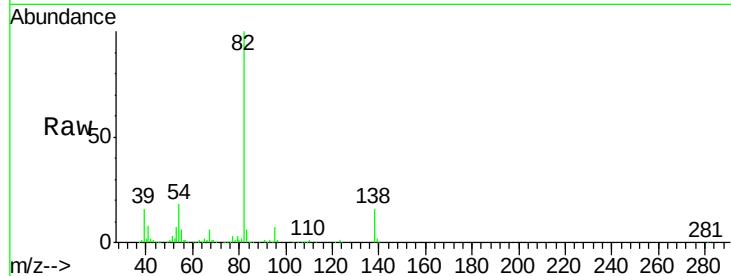
Tot Ion: 82 Resp: 501652

Ion Ratio Lower Upper

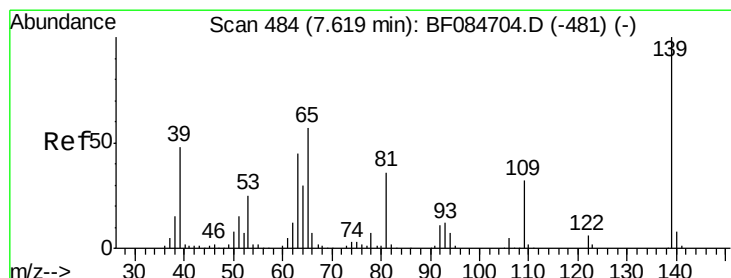
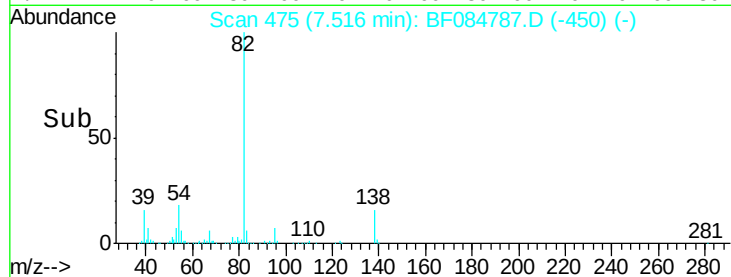
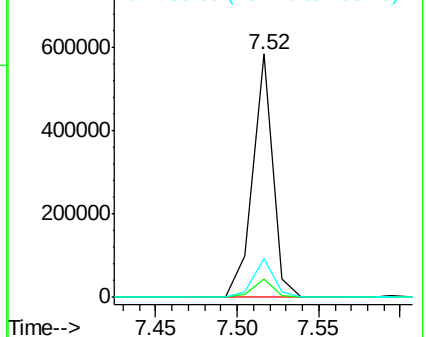
82 100

95 7.4 6.6 10.0

138 16.2 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: 22.14 ng

RT: 7.60 min Scan# 482

Delta R.T. 0.00 min

Lab File: BF084787.D

Acq: 3 Feb 2016 16:00

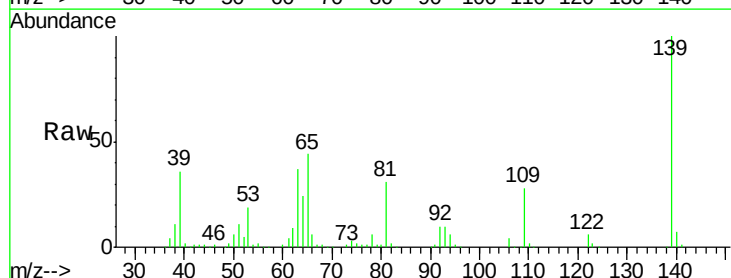
Tgt Ion: 139 Resp: 172097

Ion Ratio Lower Upper

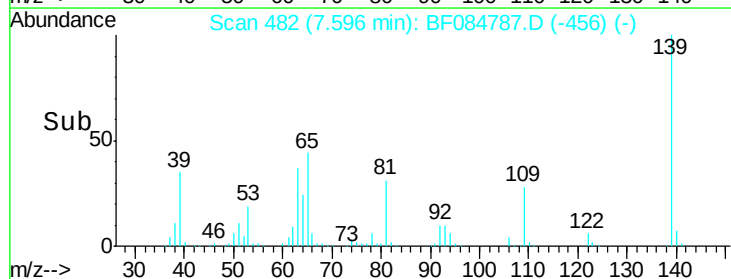
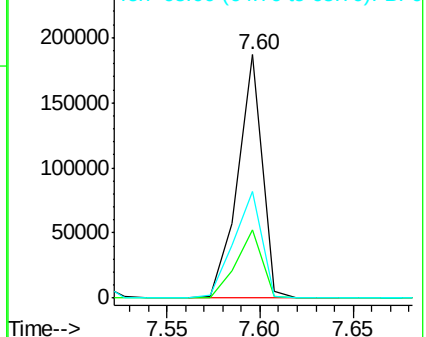
139 100

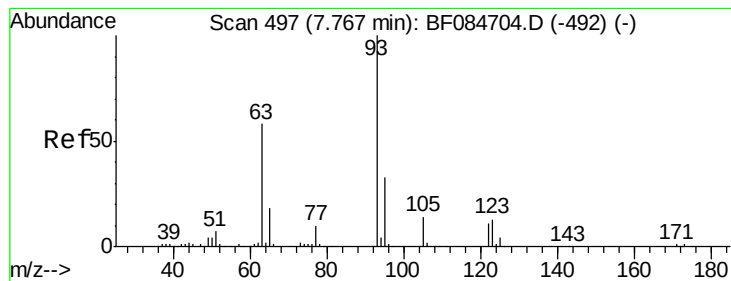
109 28.2 25.4 38.2

65 43.9 32.3 48.5



Abundance Ion 139.00 (138.70 to 139.70): BF0
Ion 109.00 (108.70 to 109.70): BF0
Ion 65.00 (64.70 to 65.70): BF0





#28

bis(2-Chloroethoxy)methane

Concen: 18.85 ng

RT: 7.73 min Scan# 494

Delta R.T. -0.01 min

Lab File: BF084787.D

Acq: 3 Feb 2016 16:00

Instrument :

BNA_F

ClientSampleId :

9024DL

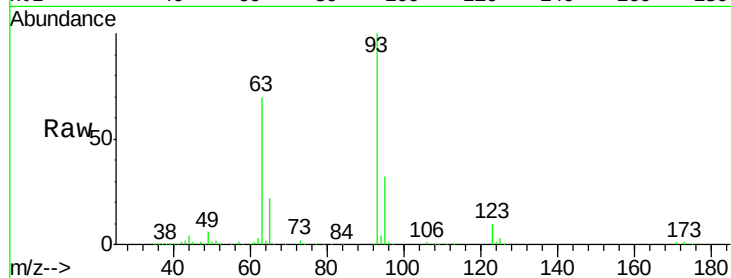
Tot Ion: 93 Resp: 320000

Ion Ratio Lower Upper

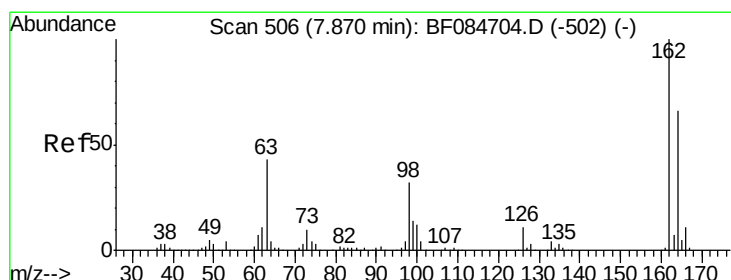
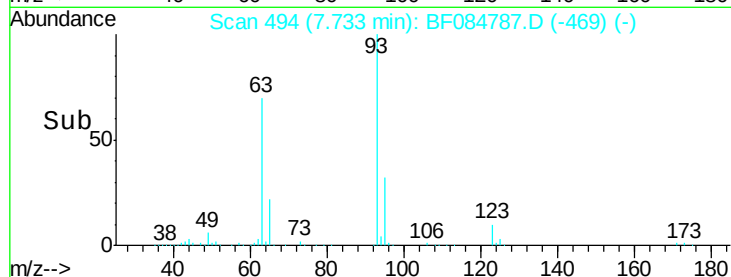
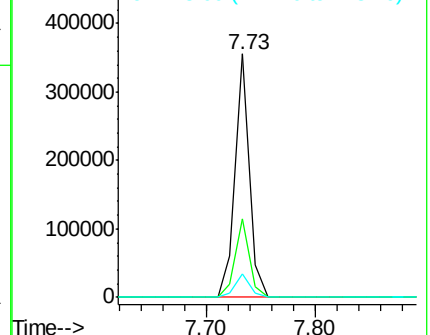
93 100

95 32.3 25.8 38.6

123 9.6 8.6 12.8



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



#29

2,4-Dichlorophenol

Concen: 14.73 ng

RT: 7.84 min Scan# 503

Delta R.T. -0.01 min

Lab File: BF084787.D

Acq: 3 Feb 2016 16:00

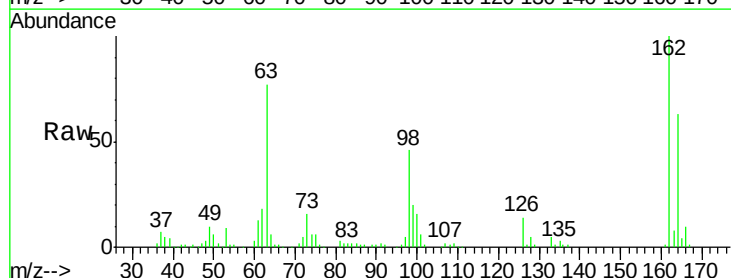
Tgt Ion: 162 Resp: 170366

Ion Ratio Lower Upper

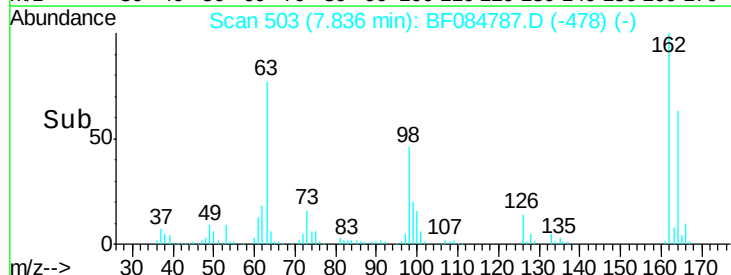
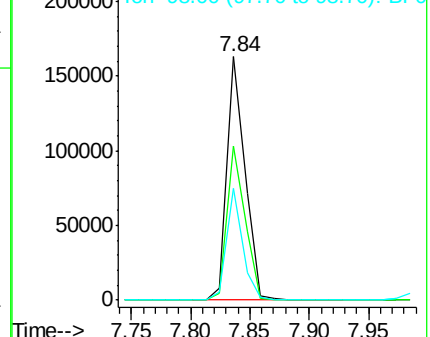
162 100

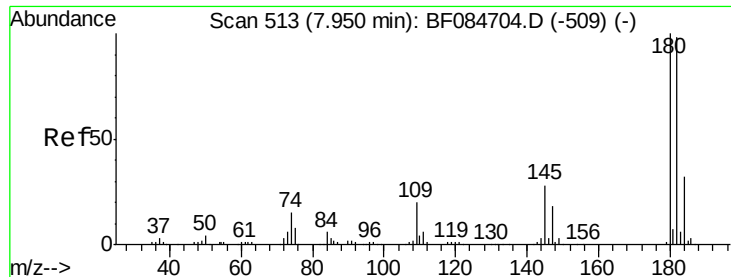
164 63.0 44.1 84.1

98 45.7 20.2 60.2



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

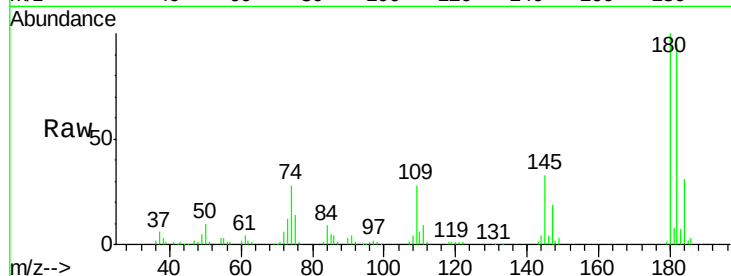




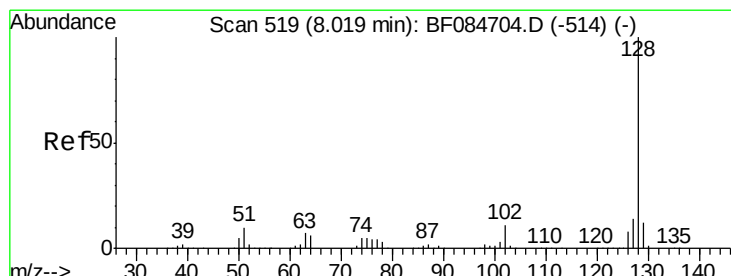
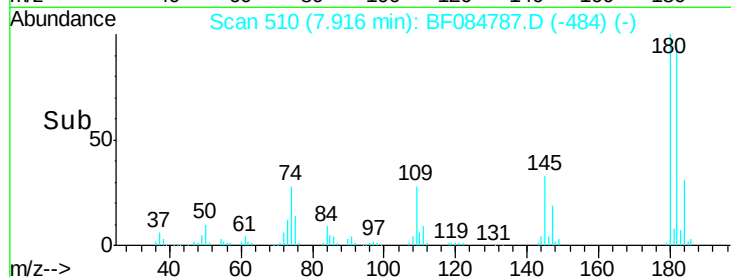
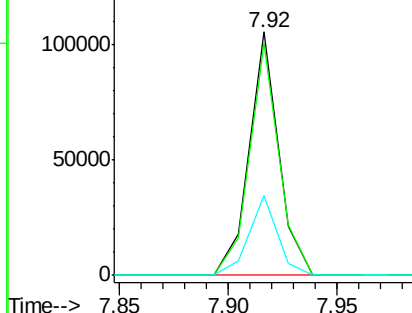
#30
1,2,4-Trichlorobenzene
Concen: 7.58 ng
RT: 7.92 min Scan# 510
Delta R.T. 0.00 min
Lab File: BF084787.D
Acq: 3 Feb 2016 16:00

Instrument :
BNA_F
ClientSampleId :
9024DL

Tot Ion:180 Resp: 99012
Ion Ratio Lower Upper
180 100
182 95.1 76.4 114.6
145 32.7 31.6 47.4

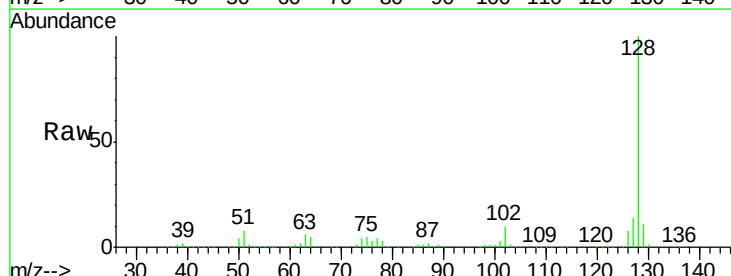


Abundance Ion 180.00 (179.70 to 180.70): E
Ion 182.00 (181.70 to 182.70): E
Ion 145.00 (144.70 to 145.70): E

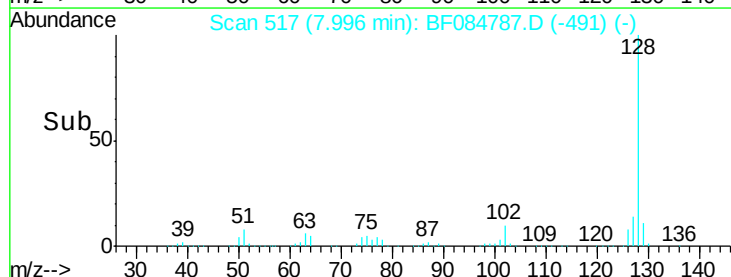
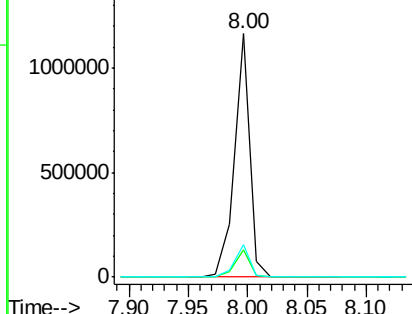


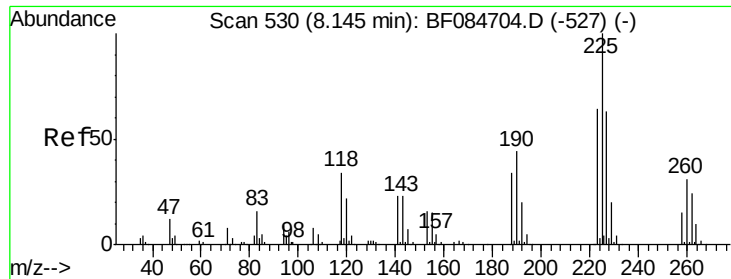
#31
Naphthalene
Concen: 24.88 ng
RT: 8.00 min Scan# 517
Delta R.T. 0.00 min
Lab File: BF084787.D
Acq: 3 Feb 2016 16:00

Tgt Ion:128 Resp: 1034727
Ion Ratio Lower Upper
128 100
129 11.4 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

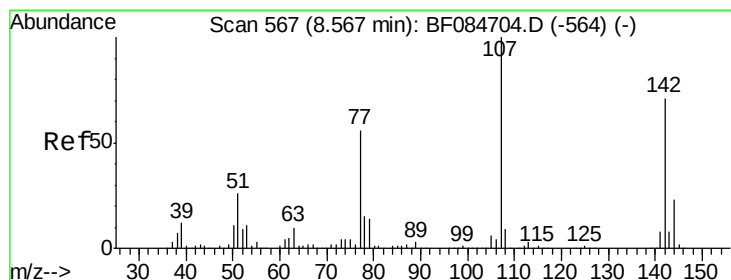
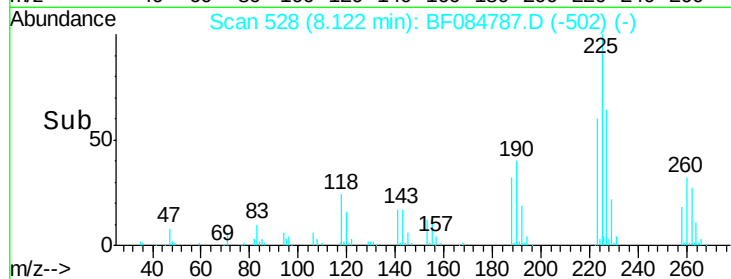
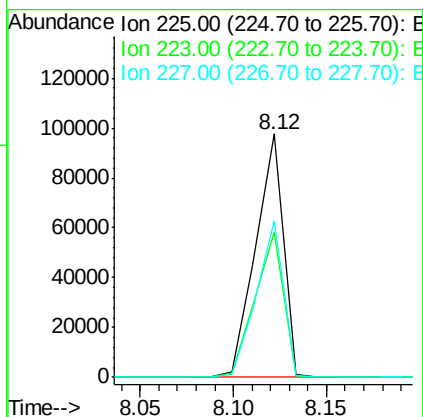
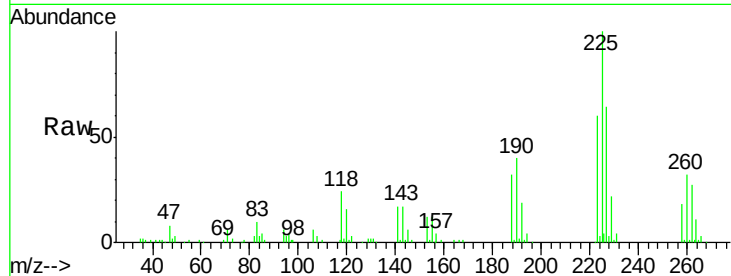




#34
Hexachlorobutadiene
Concen: 13.31 ng
RT: 8.12 min Scan# 528
Delta R.T. 0.00 min
Lab File: BF084787.D
Acq: 3 Feb 2016 16:00

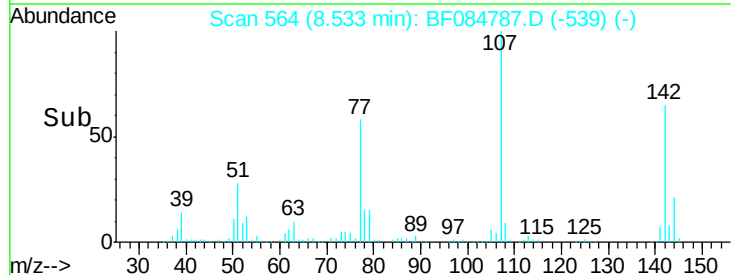
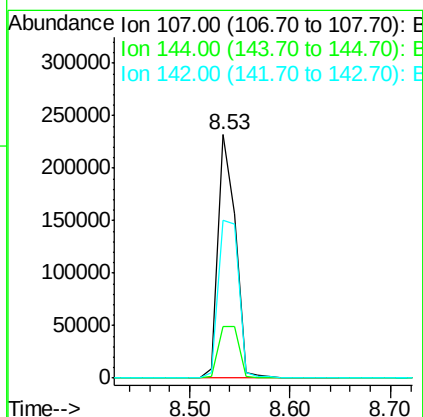
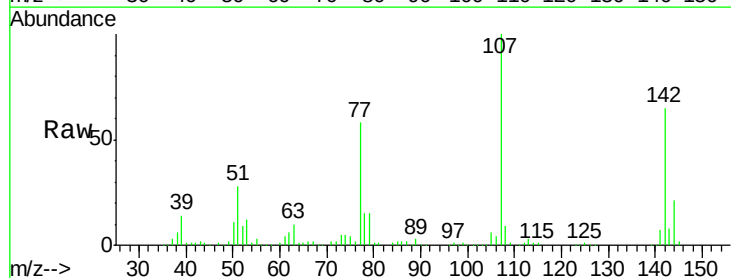
Instrument :
BNA_F
ClientSampleId :
9024DL

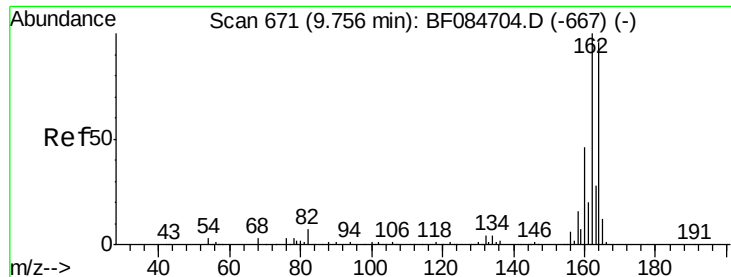
Tot Ion:225 Resp: 100280
Ion Ratio Lower Upper
225 100
223 59.7 49.4 74.0
227 64.4 50.8 76.2



#36
4-Chloro-3-methylphenol
Concen: 21.35 ng
RT: 8.53 min Scan# 564
Delta R.T. -0.01 min
Lab File: BF084787.D
Acq: 3 Feb 2016 16:00

Tgt Ion:107 Resp: 281775
Ion Ratio Lower Upper
107 100
144 21.2 19.7 29.5
142 64.8 61.8 92.6





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.72 min Scan# 668

Delta R.T. -0.01 min

Lab File: BF084787.D

Acq: 3 Feb 2016 16:00

Instrument :

BNA_F

ClientSampleId :

9024DL

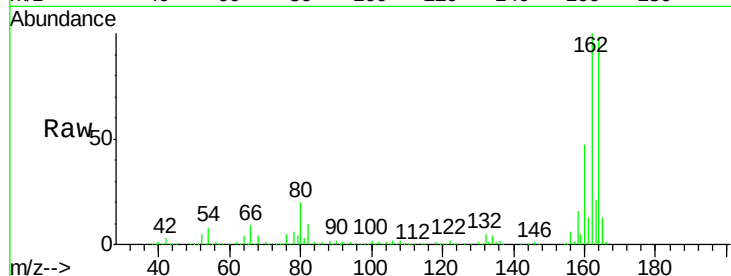
Tot Ion:164 Resp: 379739

Ion Ratio Lower Upper

164 100

162 102.0 85.1 127.7

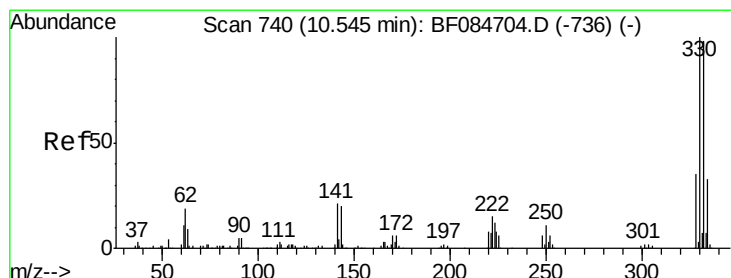
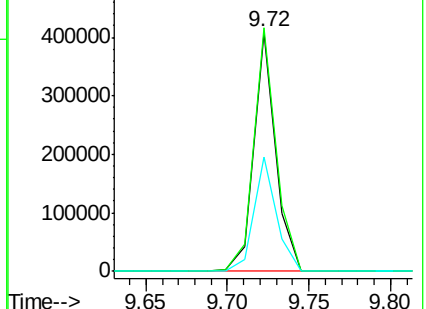
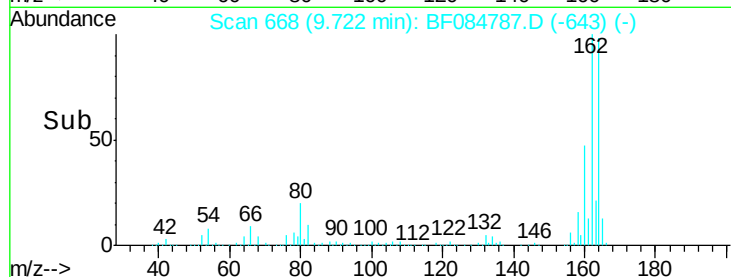
160 47.6 37.5 56.3



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: 21.08 ng

RT: 10.51 min Scan# 737

Delta R.T. -0.01 min

Lab File: BF084787.D

Acq: 3 Feb 2016 16:00

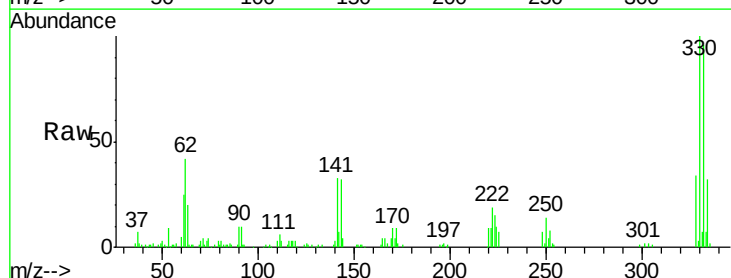
Tgt Ion:330 Resp: 83504

Ion Ratio Lower Upper

330 100

332 96.4 76.6 114.8

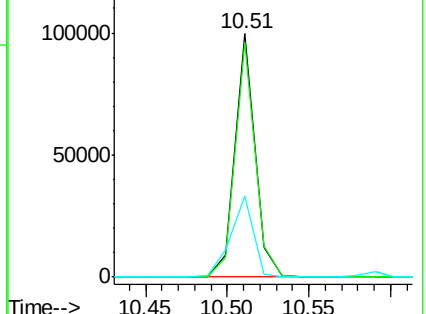
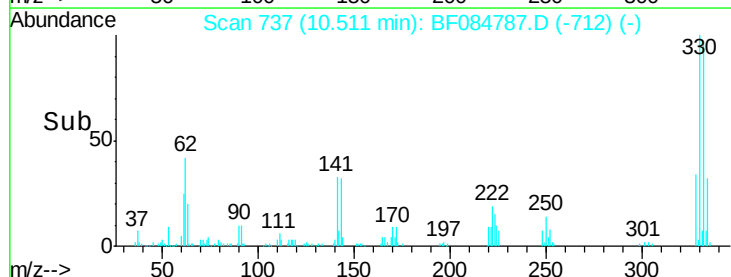
141 37.8 27.8 41.6

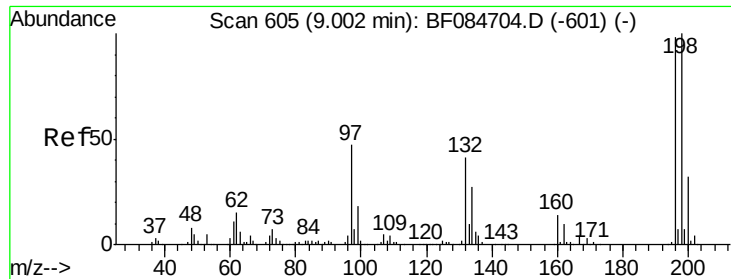


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

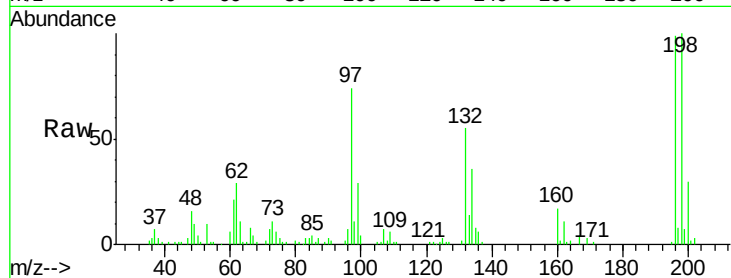




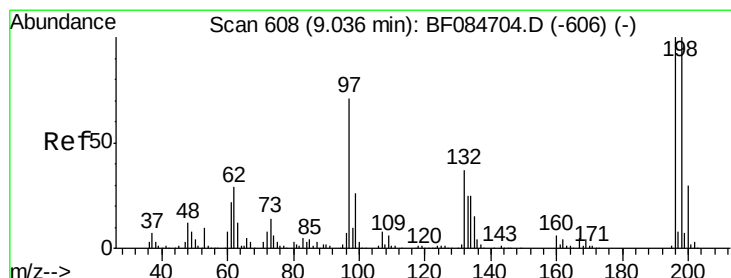
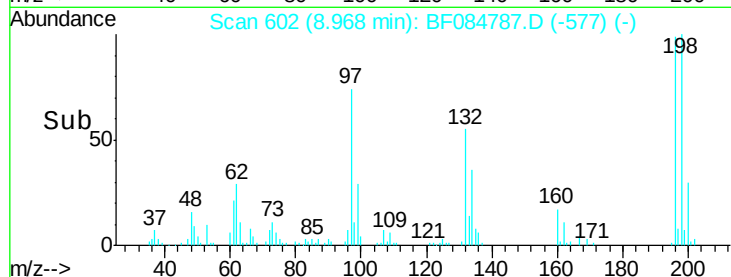
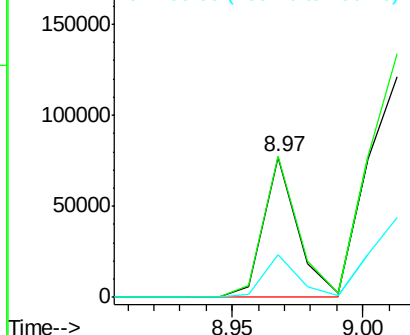
#42
2,4,6-Trichlorophenol
Concen: 9.13 ng
RT: 8.97 min Scan# 602
Delta R.T. -0.01 min
Lab File: BF084787.D
Acq: 3 Feb 2016 16:00

Instrument :
BNA_F
ClientSampled :
9024DL

Tot Ion:196 Resp: 70908
Ion Ratio Lower Upper
196 100
198 101.1 77.7 116.5
200 30.7 24.6 37.0

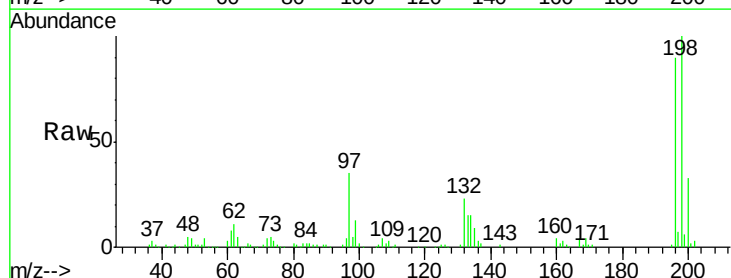


Abundance Ion 196.00 (195.70 to 196.70): E
Ion 198.00 (197.70 to 198.70): E
Ion 200.00 (199.70 to 200.70): E

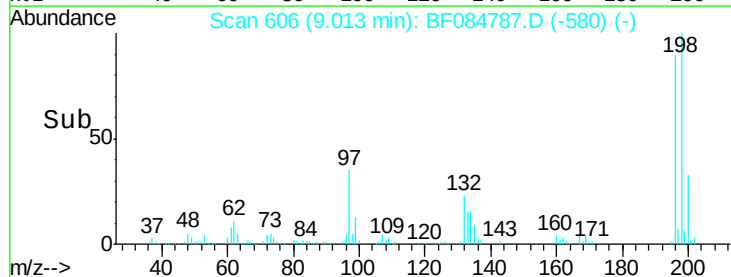
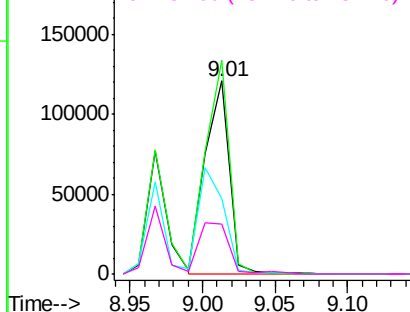


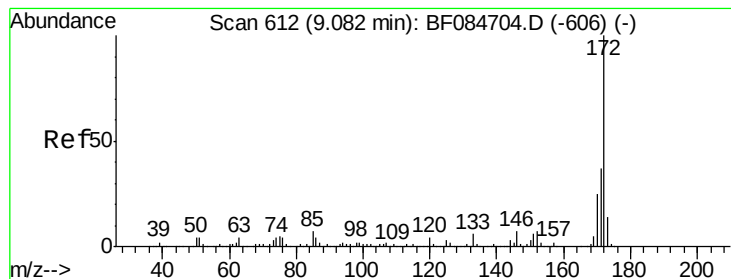
#43
2,4,5-Trichlorophenol
Concen: 17.86 ng
RT: 9.01 min Scan# 606
Delta R.T. 0.00 min
Lab File: BF084787.D
Acq: 3 Feb 2016 16:00

Tgt Ion:196 Resp: 140964
Ion Ratio Lower Upper
196 100
198 110.5 79.0 118.6
97 38.9 33.0 49.6
132 25.7 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: 11.64 ng

RT: 9.05 min Scan# 609

Delta R.T. -0.01 min

Lab File: BF084787.D

Acq: 3 Feb 2016 16:00

Instrument :

BNA_F

ClientSampleId :

9024DL

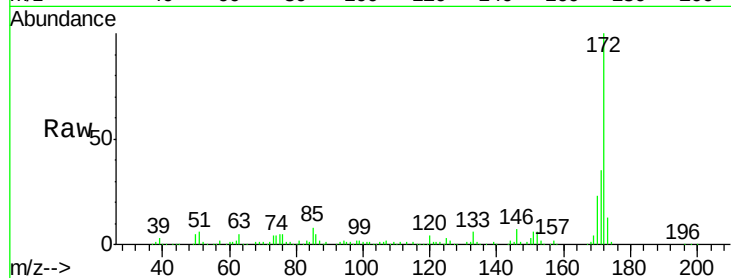
Tot Ion:172 Resp: 362413

Ion Ratio Lower Upper

172 100

171 34.8 28.9 43.3

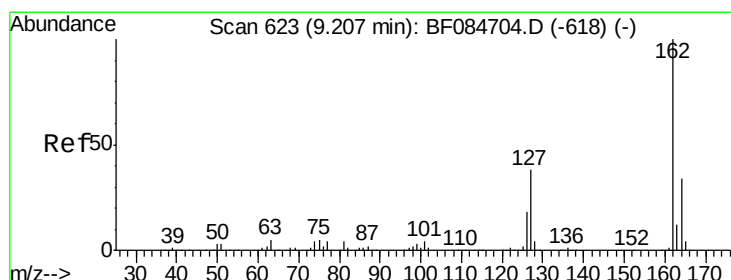
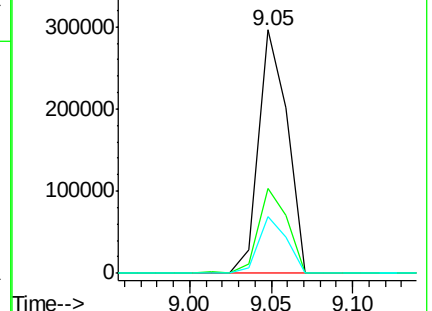
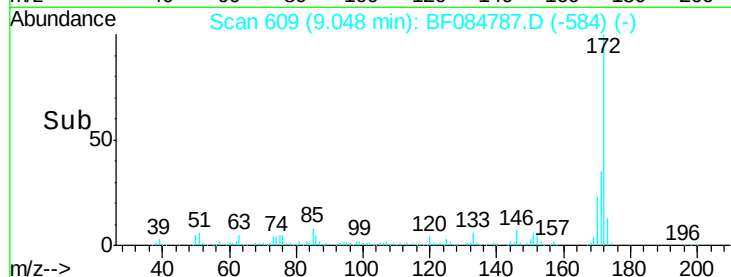
170 23.1 18.6 27.8



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: 21.03 ng

RT: 9.17 min Scan# 620

Delta R.T. 0.00 min

Lab File: BF084787.D

Acq: 3 Feb 2016 16:00

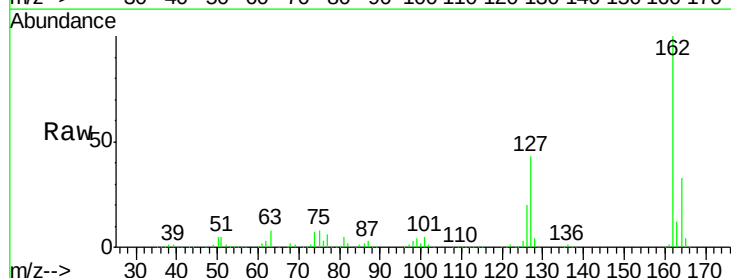
Tgt Ion:162 Resp: 525403

Ion Ratio Lower Upper

162 100

127 43.0 40.2 60.4

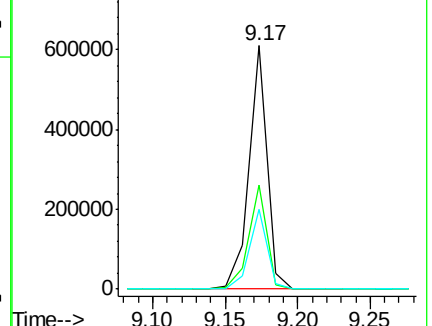
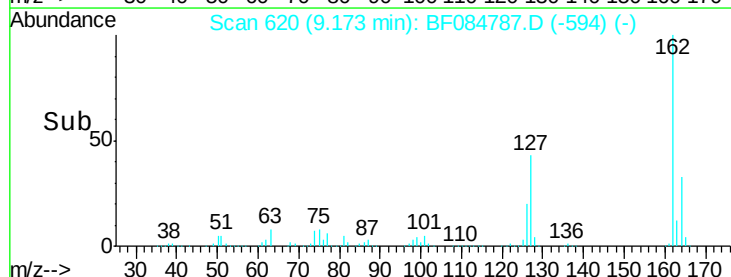
164 32.9 25.7 38.5

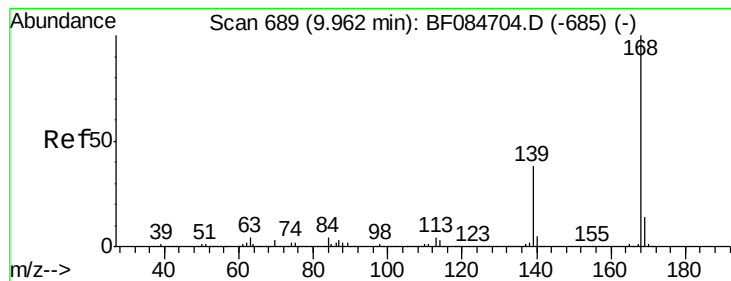


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





#54

Dibenzenofuran

Concen: 15.06 ng

RT: 9.93 min Scan# 686

Delta R.T. -0.01 min

Lab File: BF084787.D

Acq: 3 Feb 2016 16:00

Instrument :

BNA_F

ClientSampleId :

9024DL

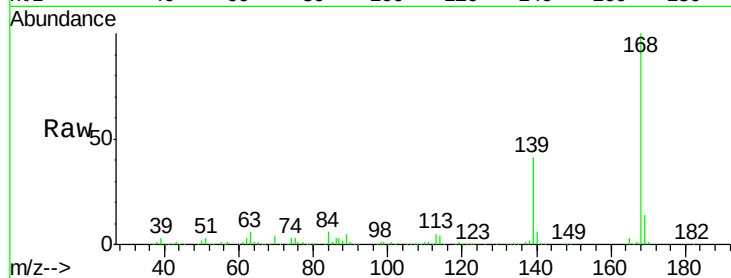
Tot Ion:168 Resp: 454002

Ion Ratio Lower Upper

168 100

139 41.3 30.5 45.7

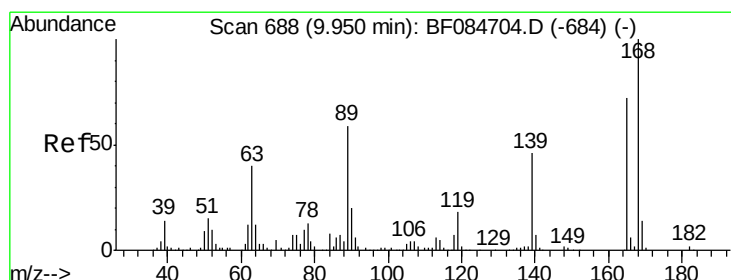
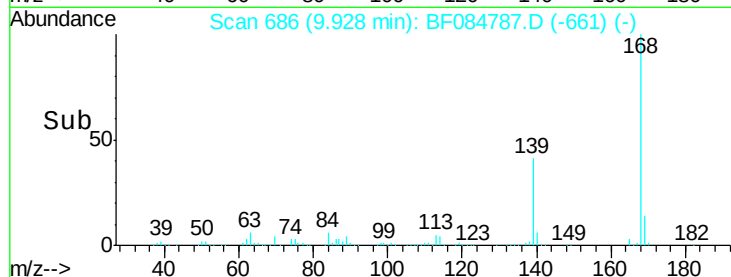
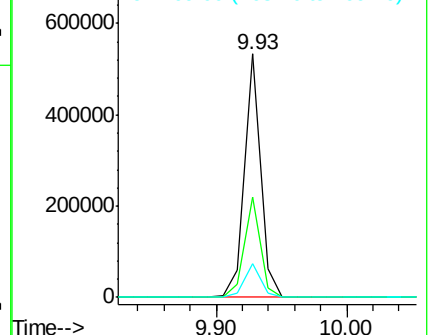
169 13.7 10.4 15.6



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



#56

2,4-Dinitrotoluene

Concen: 9.22 ng

RT: 9.92 min Scan# 685

Delta R.T. -0.01 min

Lab File: BF084787.D

Acq: 3 Feb 2016 16:00

Tgt Ion:165 Resp: 74288

Ion Ratio Lower Upper

165 100

63 63.8 36.7 55.1#

89 93.1 61.9 92.9#

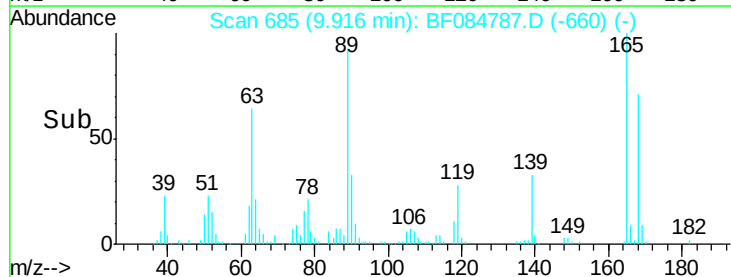
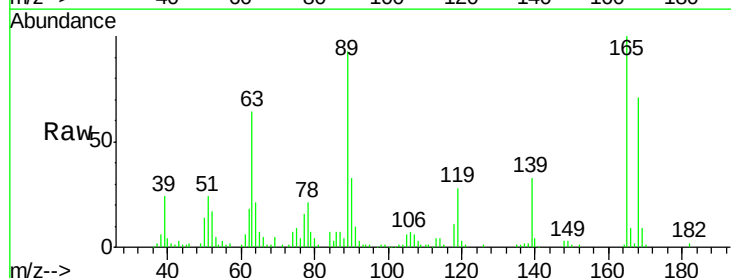
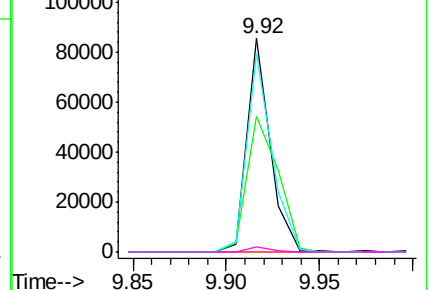
182 2.3 2.0 3.0

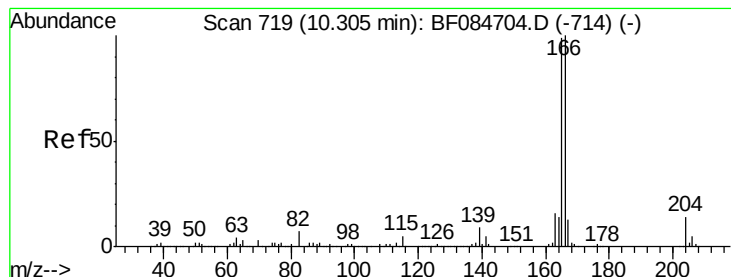
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 23.75 ng

RT: 10.27 min Scan# 716

Delta R.T. 0.00 min

Lab File: BF084787.D

Acq: 3 Feb 2016 16:00

Instrument :

BNA_F

ClientSampleId :

9024DL

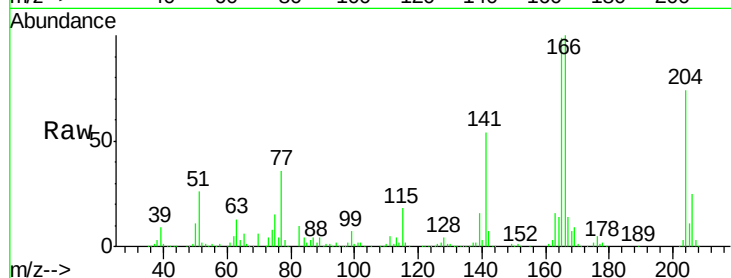
Tot Ion:166 Resp: 597831

Ion Ratio Lower Upper

166 100

165 98.5 79.1 118.7

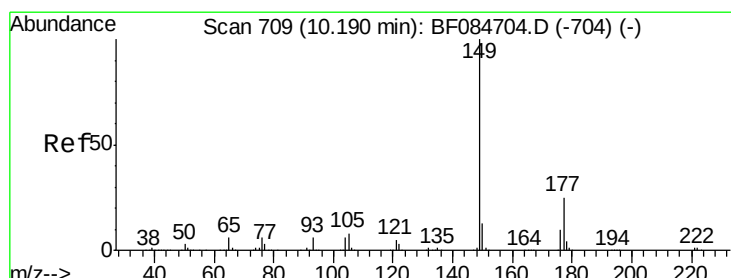
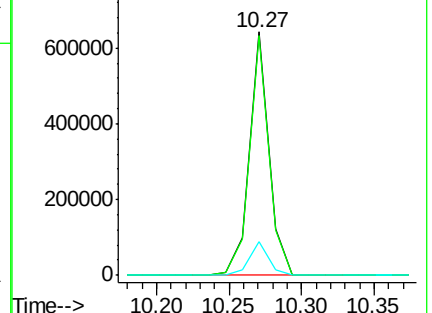
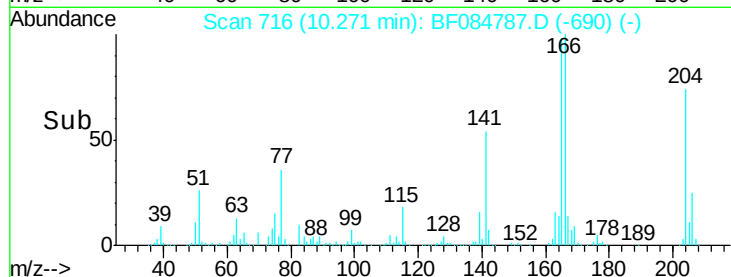
167 13.8 10.4 15.6



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



#59

Diethylphthalate

Concen: 28.29 ng

RT: 10.16 min Scan# 706

Delta R.T. -0.01 min

Lab File: BF084787.D

Acq: 3 Feb 2016 16:00

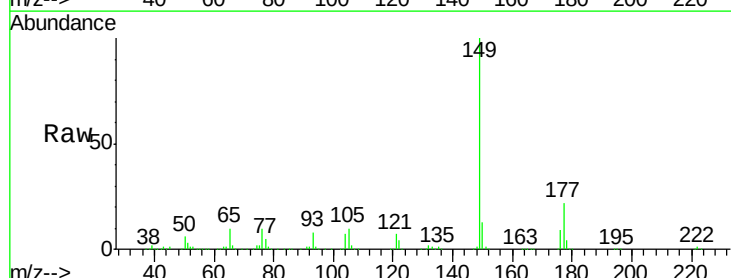
Tgt Ion:149 Resp: 799041

Ion Ratio Lower Upper

149 100

177 22.1 17.3 25.9

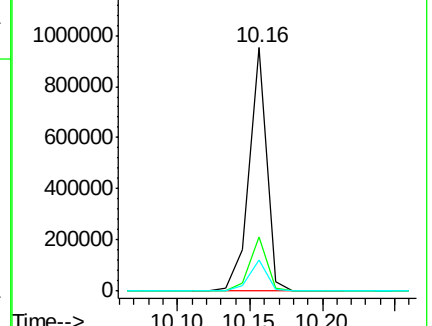
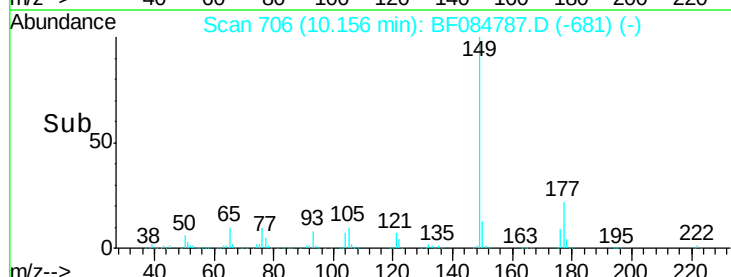
150 12.6 9.8 14.8

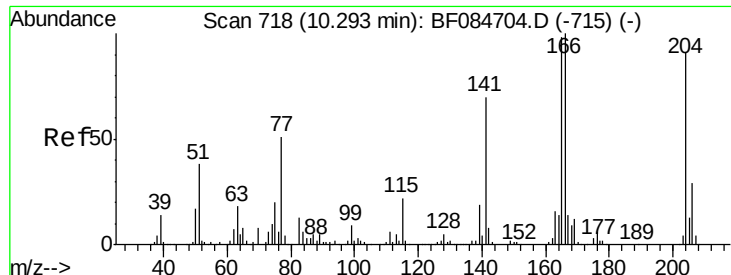


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

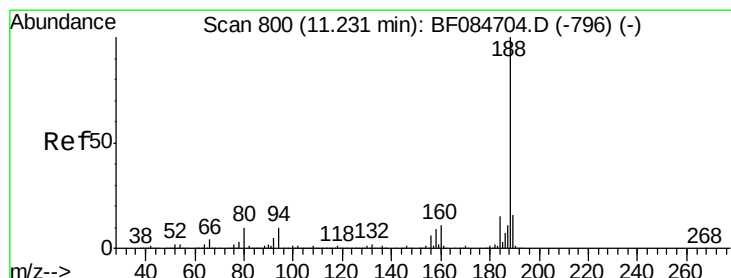
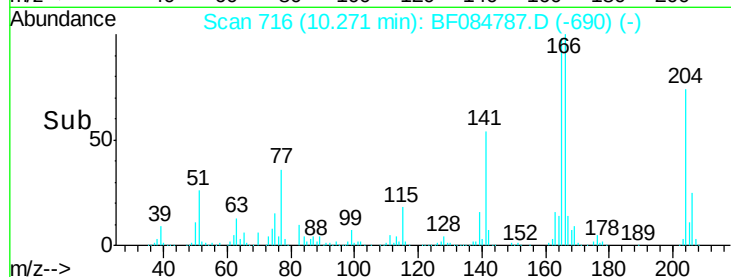
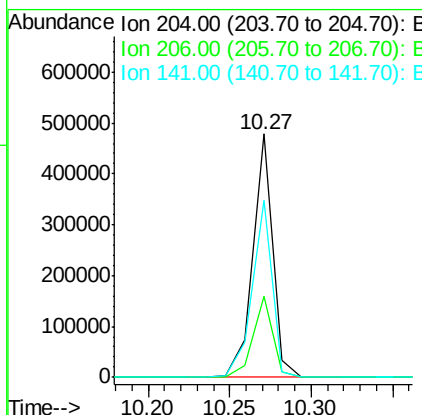
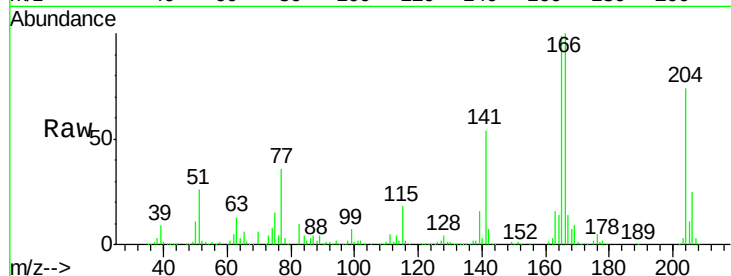




#60
 4-Chlorophenyl-phenylether
 Concen: 37.02 ng
 RT: 10.27 min Scan# 716
 Delta R.T. 0.00 min
 Lab File: BF084787.D
 Acq: 3 Feb 2016 16:00

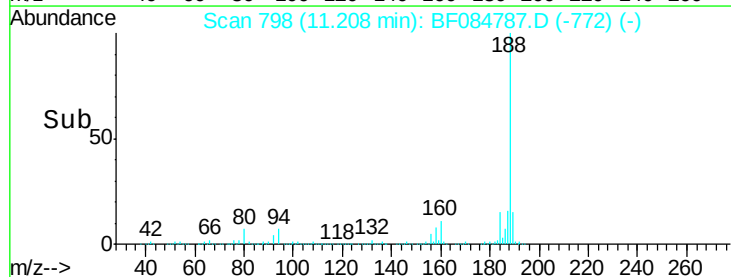
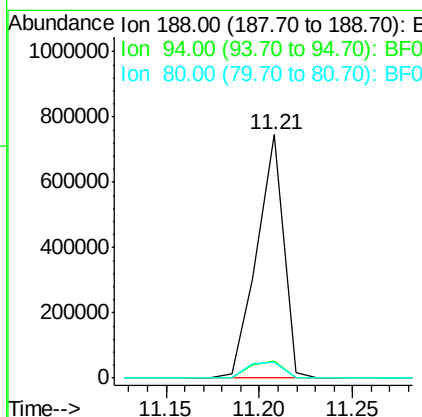
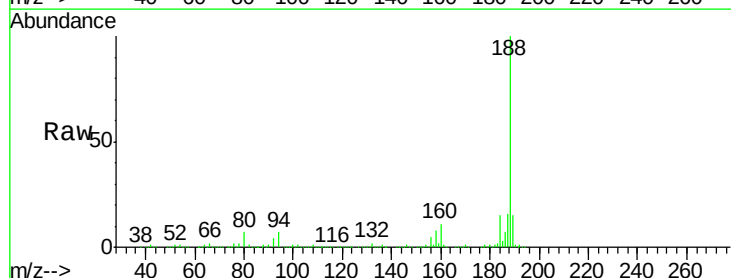
Instrument :
 BNA_F
 ClientSampleId :
 9024DL

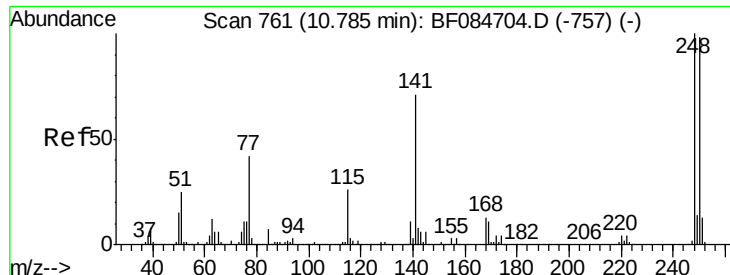
Tot Ion:204 Resp: 405081
 Ion Ratio Lower Upper
 204 100
 206 33.2 25.7 38.5
 141 72.8 55.1 82.7



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.21 min Scan# 798
 Delta R.T. 0.00 min
 Lab File: BF084787.D
 Acq: 3 Feb 2016 16:00

Tgt Ion:188 Resp: 740821
 Ion Ratio Lower Upper
 188 100
 94 6.9 9.0 13.4#
 80 6.6 9.6 14.4#

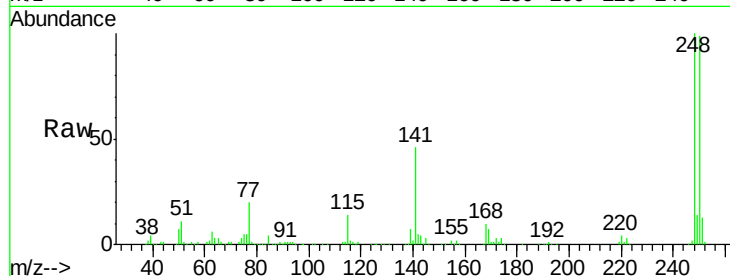




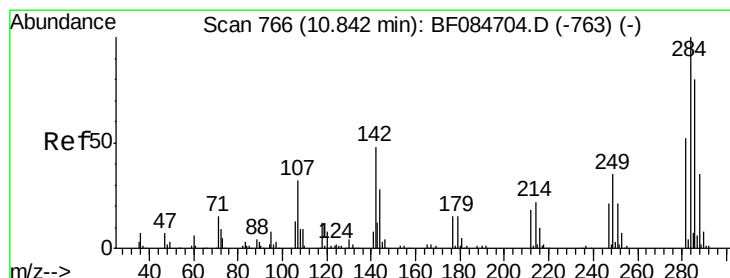
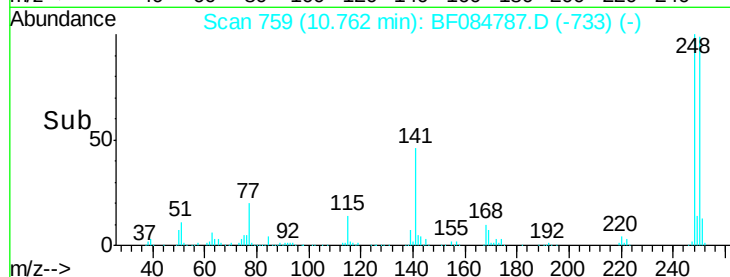
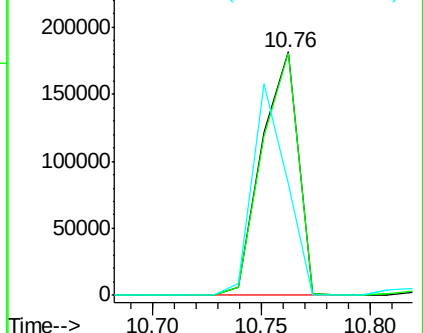
#66
4-Bromophenyl-phenylether
Concen: 25.99 ng
RT: 10.76 min Scan# 759
Delta R.T. 0.00 min
Lab File: BF084787.D
Acq: 3 Feb 2016 16:00

Instrument :
BNA_F
ClientSampled :
9024DL

Tot Ion:248 Resp: 212656
Ion Ratio Lower Upper
248 100
250 99.3 78.4 117.6
141 45.9 44.0 66.0

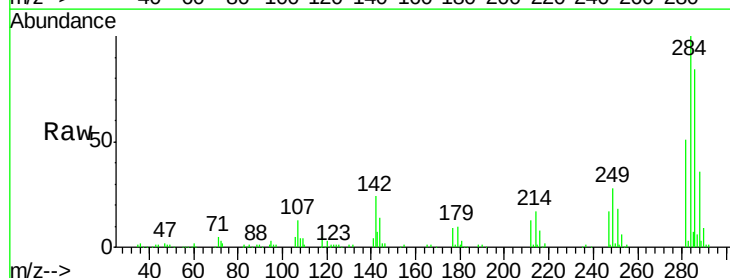


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

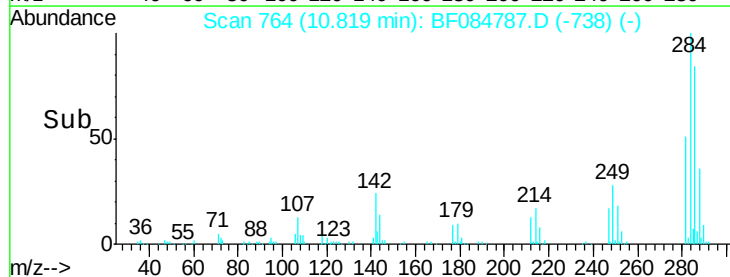
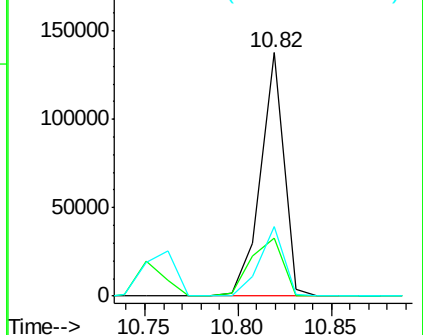


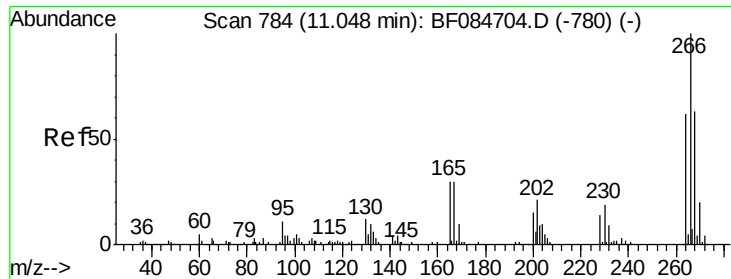
#67
Hexachlorobenzene
Concen: 13.33 ng
RT: 10.82 min Scan# 764
Delta R.T. 0.00 min
Lab File: BF084787.D
Acq: 3 Feb 2016 16:00

Tgt Ion:284 Resp: 118812
Ion Ratio Lower Upper
284 100
142 24.0 22.2 33.4
249 28.3 24.6 37.0



Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

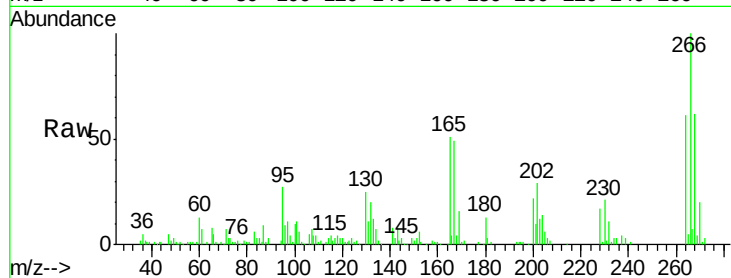




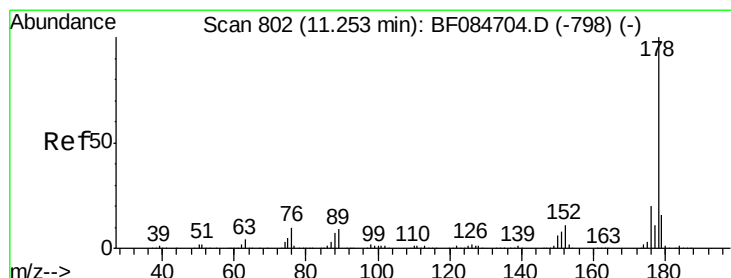
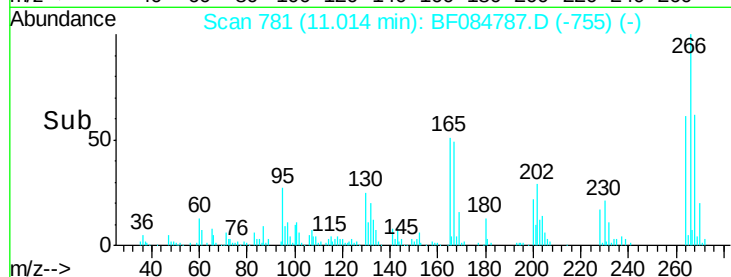
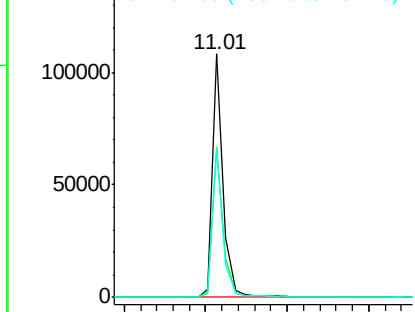
#69
 Pentachlorophenol
 Concen: 24.09 ng
 RT: 11.01 min Scan# 781
 Delta R.T. 0.00 min
 Lab File: BF084787.D
 Acq: 3 Feb 2016 16:00

Instrument :
 BNA_F
 ClientSampleId :
 9024DL

Tot Ion:266 Resp: 100955
 Ion Ratio Lower Upper
 266 100
 268 61.7 52.4 78.6
 264 61.3 50.2 75.2

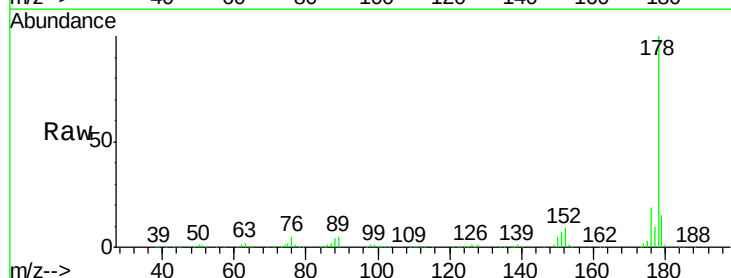


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

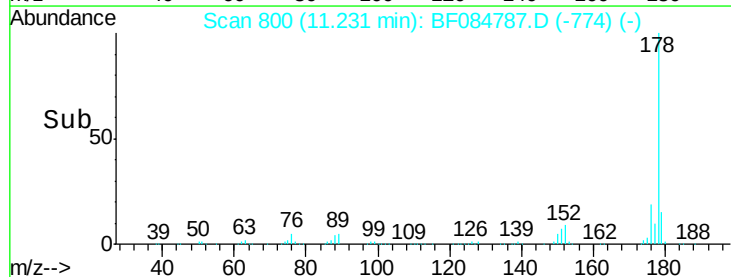
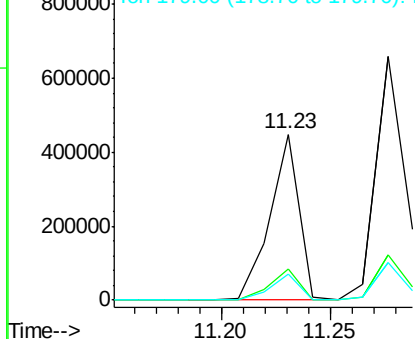


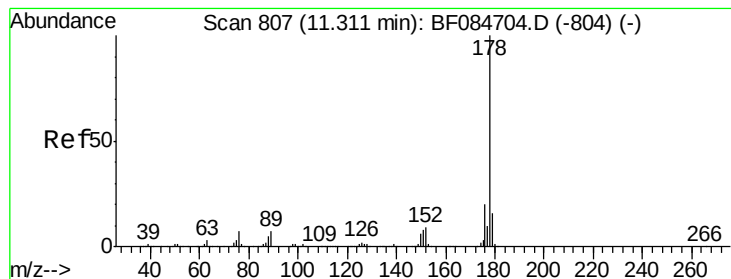
#70
 Phenanthrene
 Concen: 10.31 ng
 RT: 11.23 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: BF084787.D
 Acq: 3 Feb 2016 16:00

Tgt Ion:178 Resp: 423630
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.3 22.9
 179 15.3 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: 14.92 ng

RT: 11.28 min Scan# 804

Delta R.T. -0.01 min

Lab File: BF084787.D

Acq: 3 Feb 2016 16:00

Instrument :

BNA_F

ClientSampleId :

9024DL

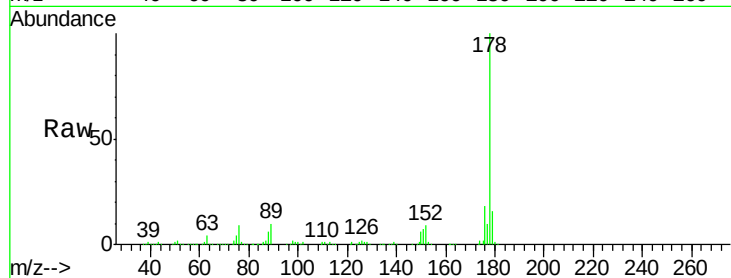
Tot Ion:178 Resp: 617602

Ion Ratio Lower Upper

178 100

176 18.3 15.4 23.0

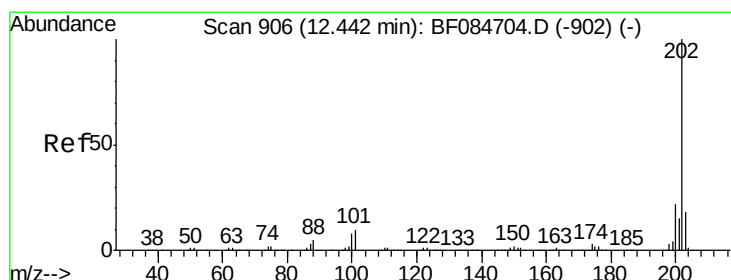
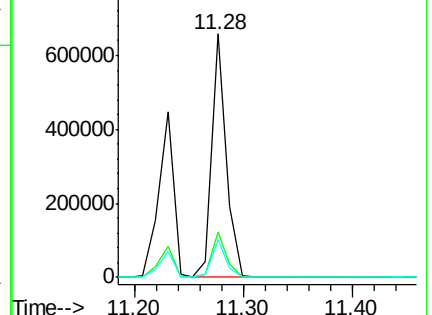
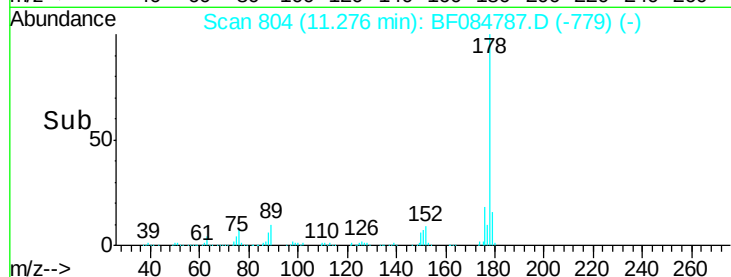
179 15.6 12.5 18.7



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: 20.64 ng

RT: 12.41 min Scan# 903

Delta R.T. -0.01 min

Lab File: BF084787.D

Acq: 3 Feb 2016 16:00

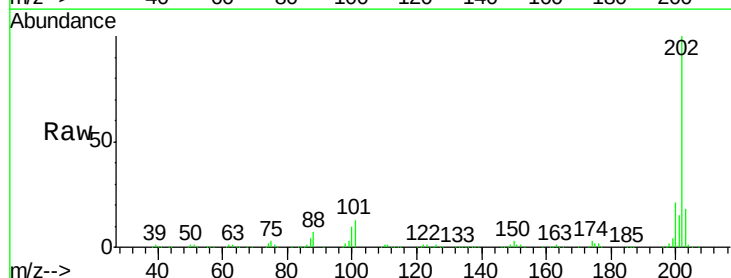
Tgt Ion:202 Resp: 858508

Ion Ratio Lower Upper

202 100

101 13.4 0.0 32.8

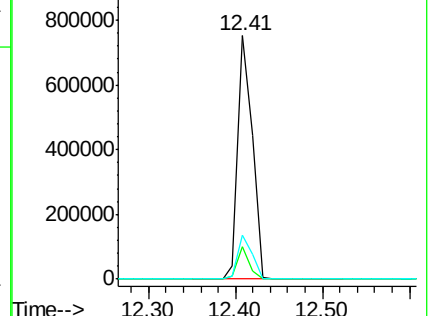
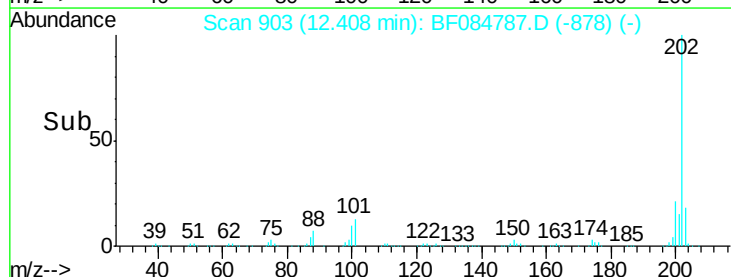
203 18.2 0.0 37.9

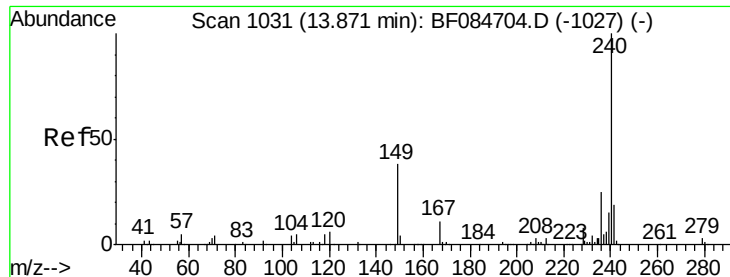


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.84 min Scan# 1028

Delta R.T. 0.00 min

Lab File: BF084787.D

Acq: 3 Feb 2016 16:00

Instrument :

BNA_F

ClientSampleId :

9024DL

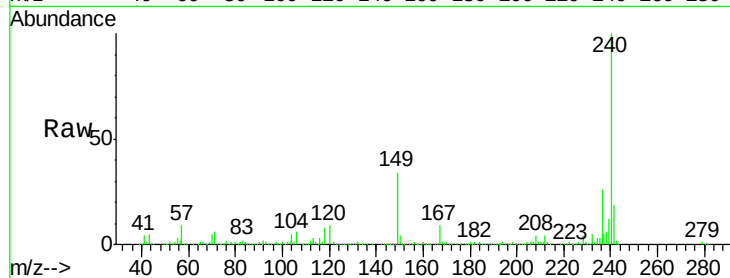
Tot Ion:240 Resp: 628527

Ion Ratio Lower Upper

240 100

120 8.5 9.5 14.3#

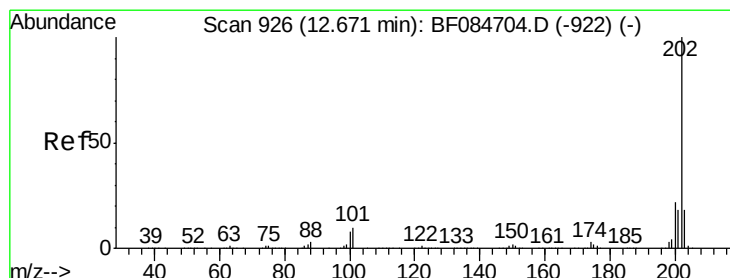
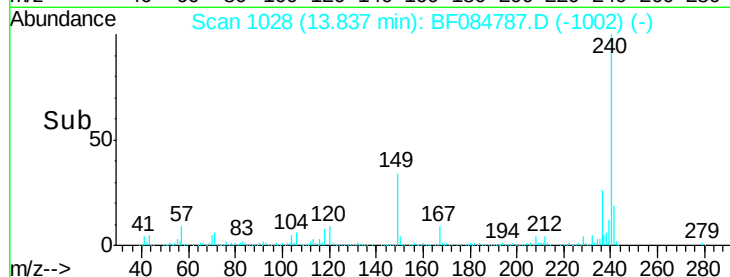
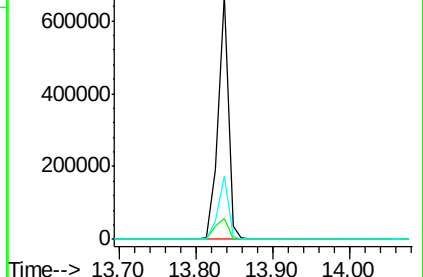
236 25.8 20.6 31.0



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: 17.18 ng

RT: 12.64 min Scan# 923

Delta R.T. 0.00 min

Lab File: BF084787.D

Acq: 3 Feb 2016 16:00

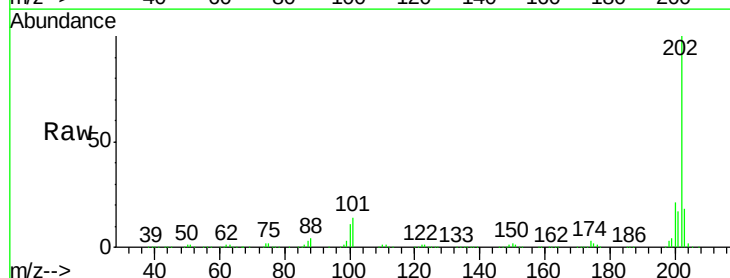
Tgt Ion:202 Resp: 826855

Ion Ratio Lower Upper

202 100

200 21.1 17.2 25.8

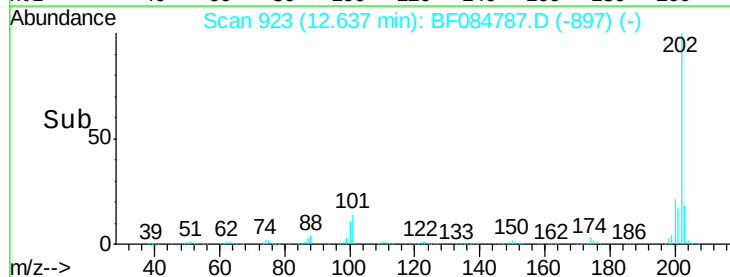
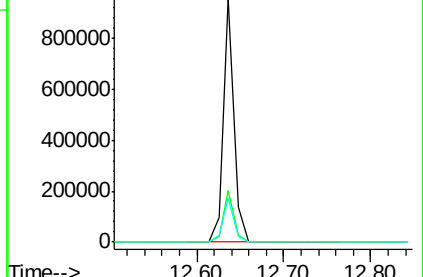
203 17.9 14.3 21.5

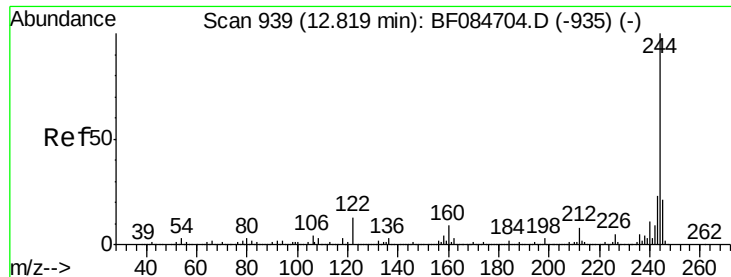


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 13.41 ng

RT: 12.79 min Scan# 936

Delta R.T. -0.01 min

Lab File: BF084787.D

Acq: 3 Feb 2016 16:00

Instrument :

BNA_F

ClientSampled :

9024DL

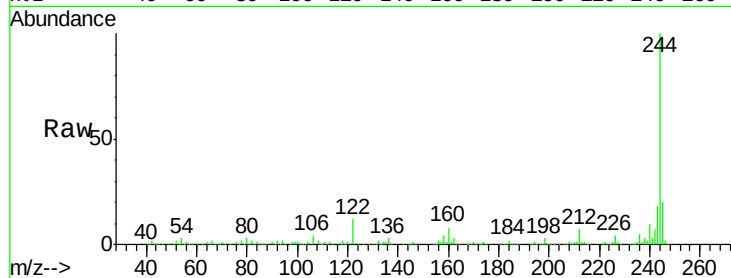
Tot Ion:244 Resp: 371873

Ion Ratio Lower Upper

244 100

212 7.2 5.7 8.5

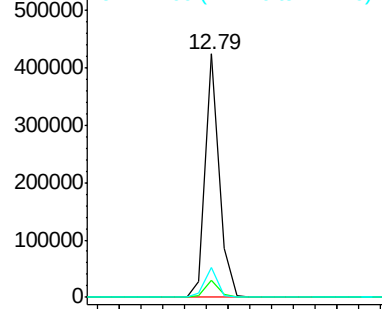
122 12.2 7.4 11.0#



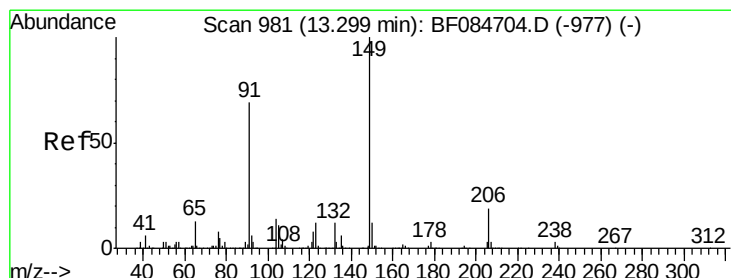
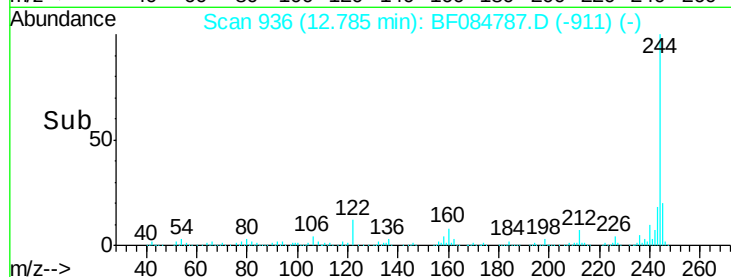
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->



#79

Butylbenzylphthalate

Concen: 23.08 ng

RT: 13.28 min Scan# 979

Delta R.T. 0.00 min

Lab File: BF084787.D

Acq: 3 Feb 2016 16:00

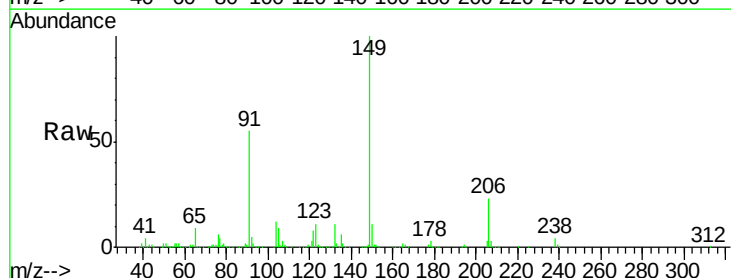
Tgt Ion:149 Resp: 503815

Ion Ratio Lower Upper

149 100

91 55.3 57.6 86.4#

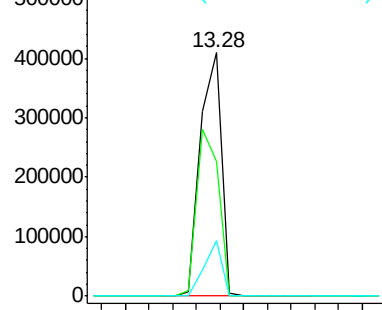
206 22.8 13.2 19.8#



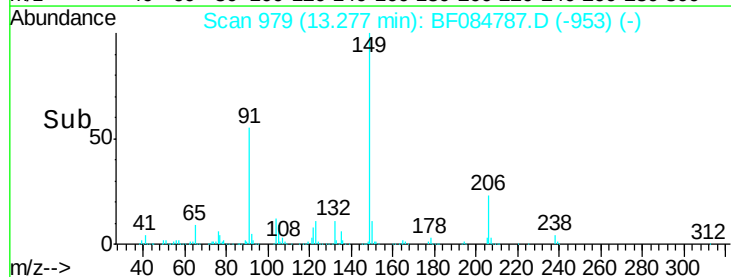
Abundance Ion 149.00 (148.70 to 149.70): E

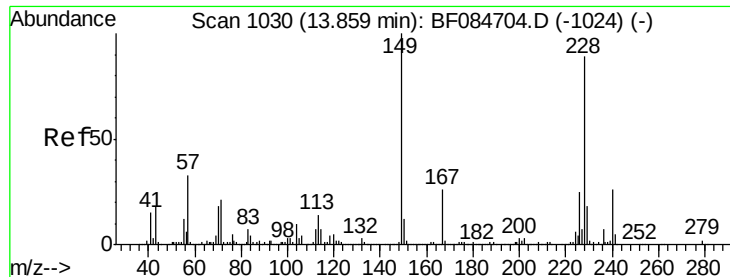
Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E



Time-->

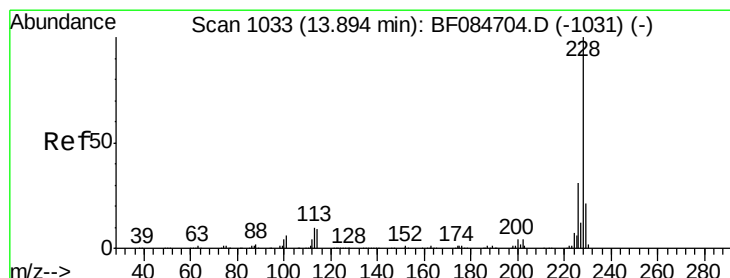
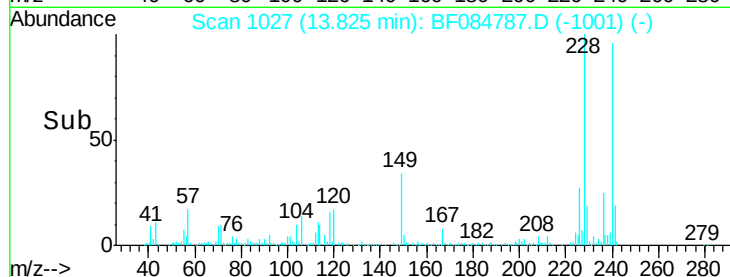
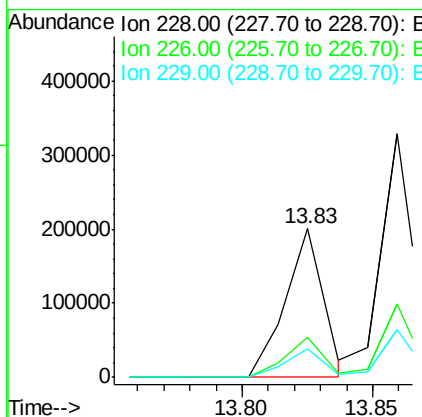
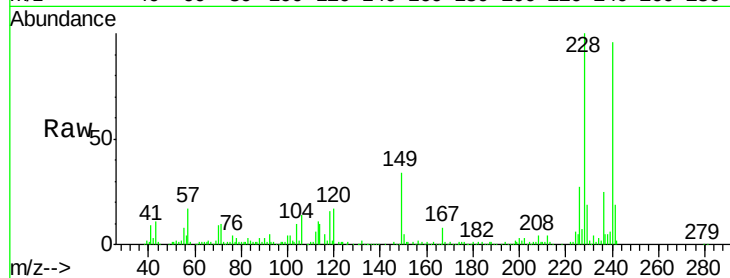




#80
Benzo(a)anthracene
Concen: 5.21 ng
RT: 13.83 min Scan# 1027
Delta R.T. 0.00 min
Lab File: BF084787.D
Acq: 3 Feb 2016 16:00

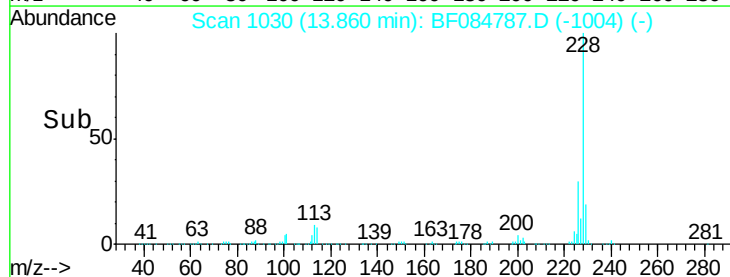
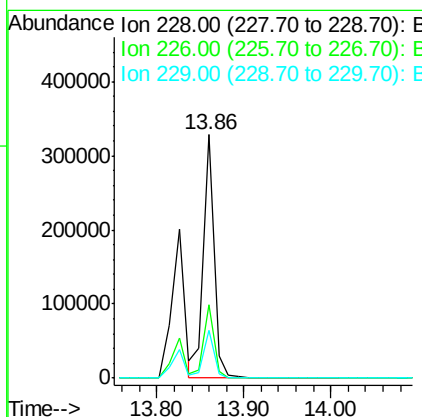
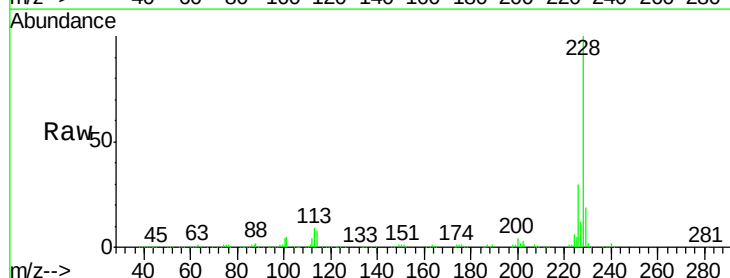
Instrument :
BNA_F
ClientSampled :
9024DL

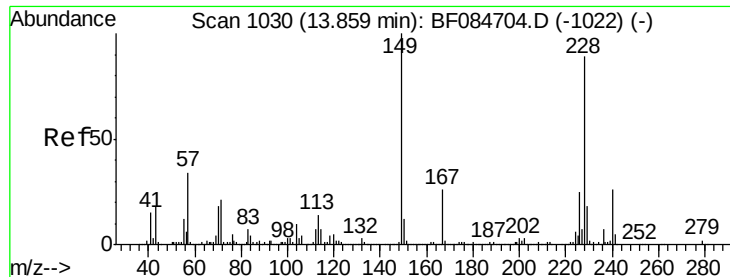
Tot Ion:228 Resp: 203279
Ion Ratio Lower Upper
228 100
226 26.7 21.8 32.6
229 18.9 15.8 23.8



#82
Chrysene
Concen: 7.38 ng
RT: 13.86 min Scan# 1030
Delta R.T. 0.00 min
Lab File: BF084787.D
Acq: 3 Feb 2016 16:00

Tgt Ion:228 Resp: 279291
Ion Ratio Lower Upper
228 100
226 30.1 24.3 36.5
229 19.4 16.1 24.1





#83

Bis(2-ethylhexyl)phthalate

Concen: 7.80 ng

RT: 13.84 min Scan# 1028

Delta R.T. 0.00 min

Lab File: BF084787.D

Acq: 3 Feb 2016 16:00

Instrument :

BNA_F

ClientSampleId :

9024DL

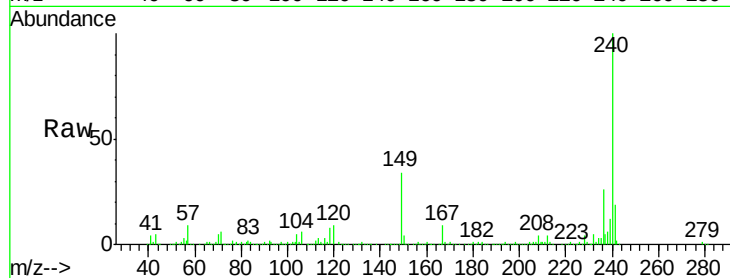
Tot Ion:149 Resp: 211914

Ion Ratio Lower Upper

149 100

167 25.6 19.7 29.5

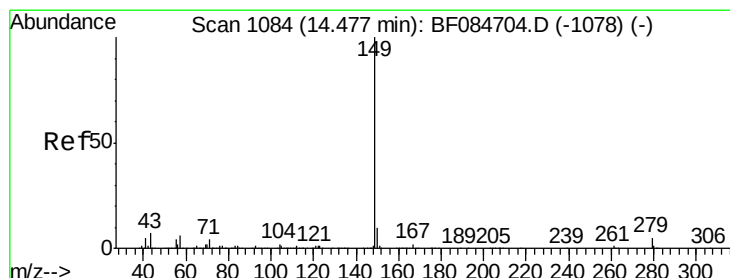
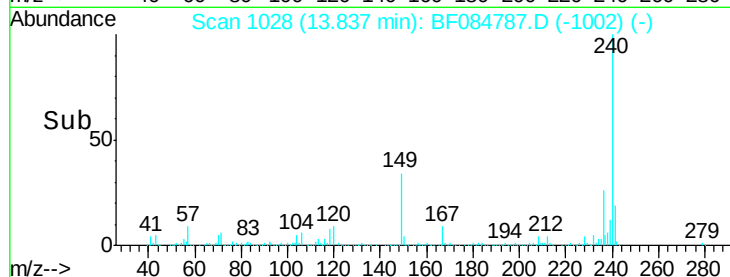
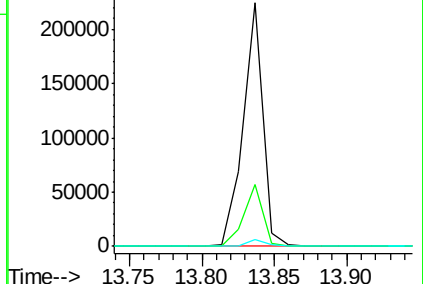
279 3.0 1.8 2.6#



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: 24.53 ng

RT: 14.44 min Scan# 1081

Delta R.T. 0.00 min

Lab File: BF084787.D

Acq: 3 Feb 2016 16:00

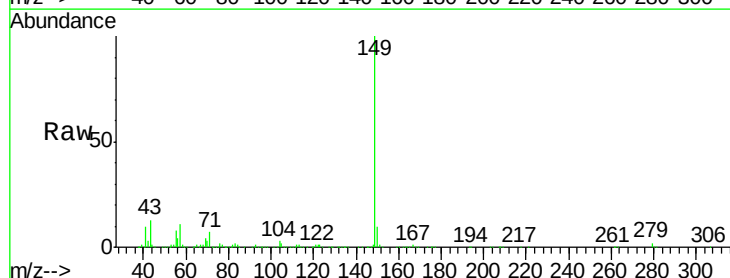
Tgt Ion:149 Resp: 1099456

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

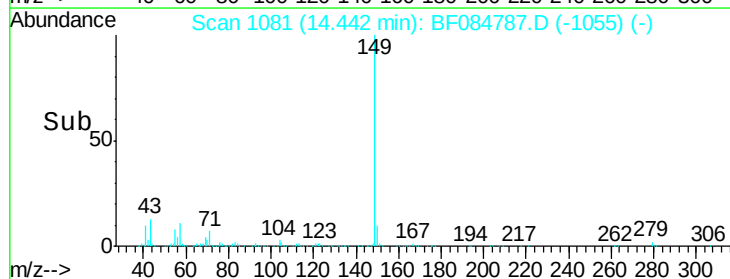
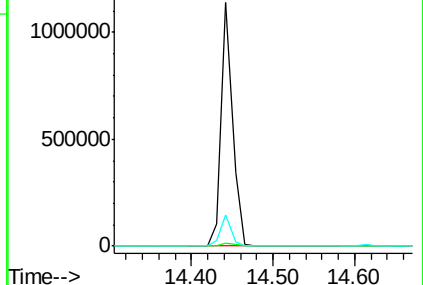
43 11.9 5.6 8.4#

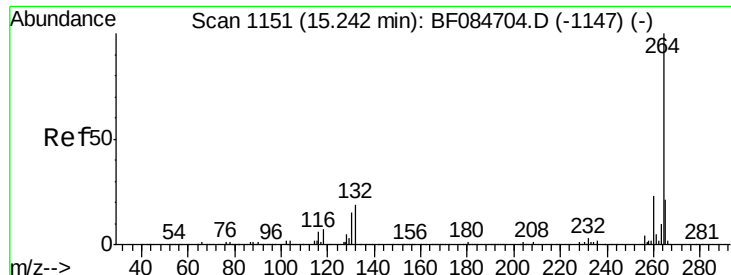


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.21 min Scan# 1148

Delta R.T. 0.00 min

Lab File: BF084787.D

Acq: 3 Feb 2016 16:00

Instrument :

BNA_F

ClientSampleId :

9024DL

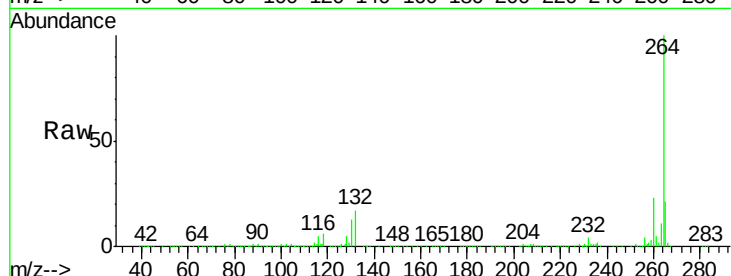
Tot Ion:264 Resp: 451133

Ion Ratio Lower Upper

264 100

260 23.4 19.4 29.2

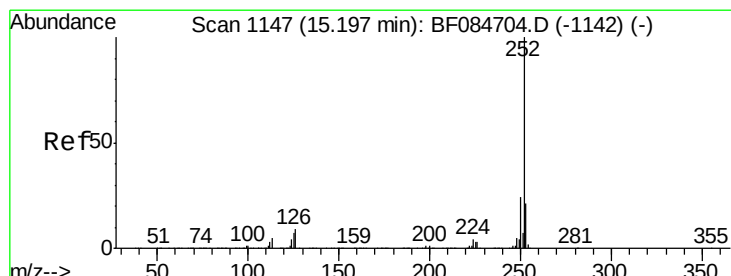
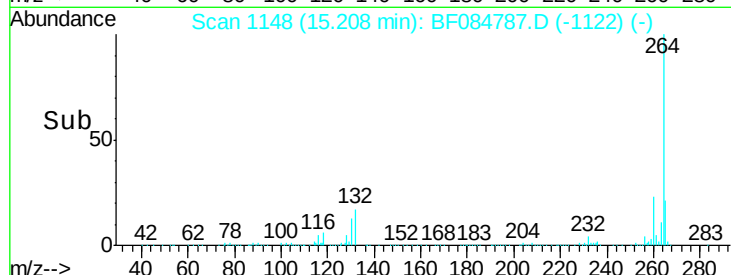
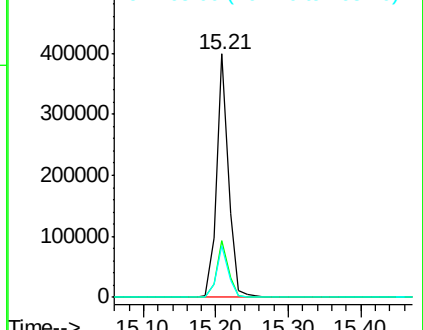
265 21.2 17.8 26.6



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



#89

Benzo(a)pyrene

Concen: 7.59 ng

RT: 15.15 min Scan# 1143

Delta R.T. 0.00 min

Lab File: BF084787.D

Acq: 3 Feb 2016 16:00

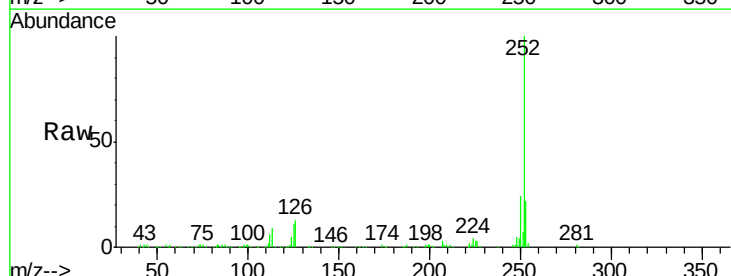
Tgt Ion:252 Resp: 196071

Ion Ratio Lower Upper

252 100

253 21.6 17.3 25.9

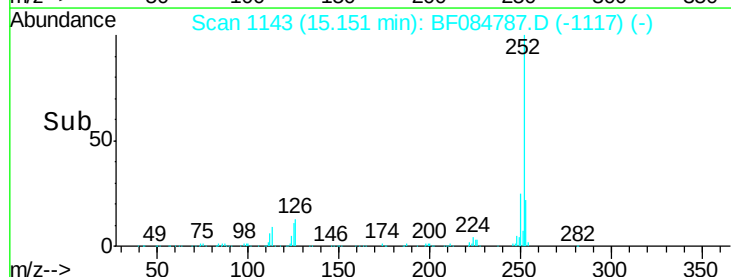
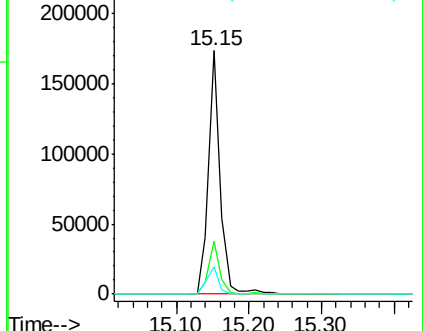
125 11.3 7.0 10.4#

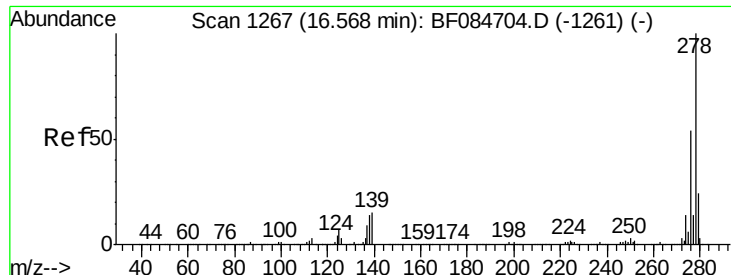


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 20.38 ng

RT: 16.51 min Scan# 1262

Delta R.T. 0.00 min

Lab File: BF084787.D

Acq: 3 Feb 2016 16:00

Instrument :

BNA_F

ClientSampleId :

9024DL

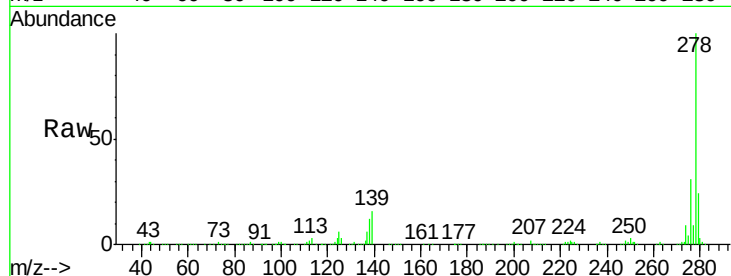
Tot Ion:278 Resp: 443173

Ion Ratio Lower Upper

278 100

139 16.5 15.0 22.4

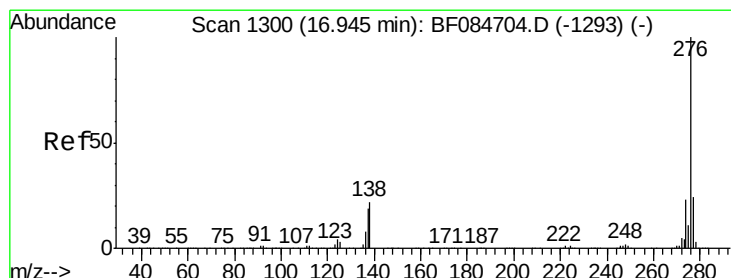
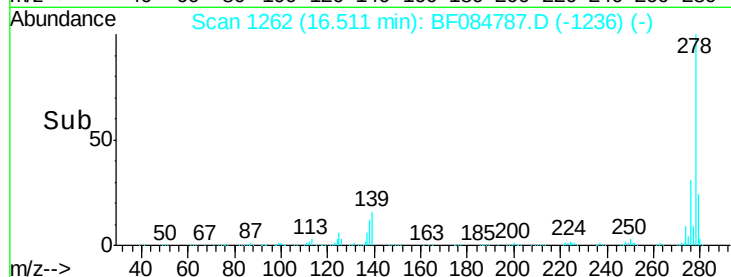
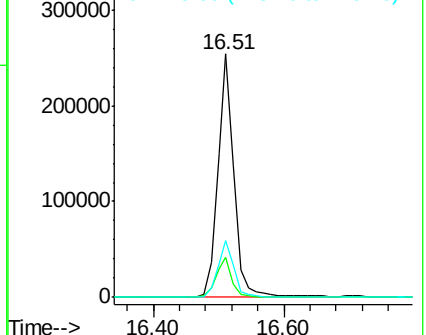
279 23.5 18.9 28.3



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: 24.61 ng

RT: 16.89 min Scan# 1295

Delta R.T. 0.00 min

Lab File: BF084787.D

Acq: 3 Feb 2016 16:00

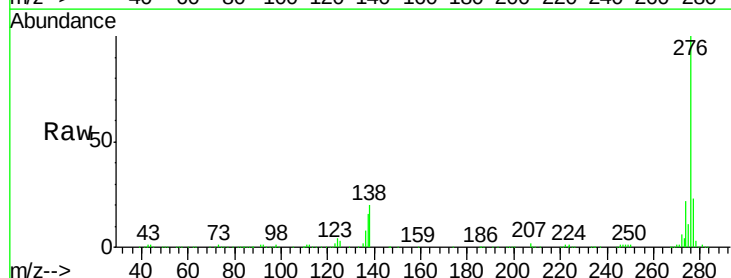
Tgt Ion:276 Resp: 538872

Ion Ratio Lower Upper

276 100

277 23.3 18.8 28.2

138 19.5 17.8 26.6



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

