

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110215\
 Data File : BF082641.D
 Acq On : 2 Nov 2015 20:05
 Operator : UM/IZ
 Sample : G4234-07
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DS-4

Quant Time: Nov 03 02:31:08 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 31 00:17:39 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	206606	20.00	ng	-0.02
21) Naphthalene-d8	8.18	136	716994	20.00	ng	-0.01
38) Acenaphthene-d10	9.93	164	323977	20.00	ng	-0.02
63) Phenanthrene-d10	11.41	188	539327	20.00	ng	-0.02
75) Chrysene-d12	14.07	240	384349	20.00	ng	-0.01
86) Perylene-d12	15.54	264	411917	20.00	ng	0.00

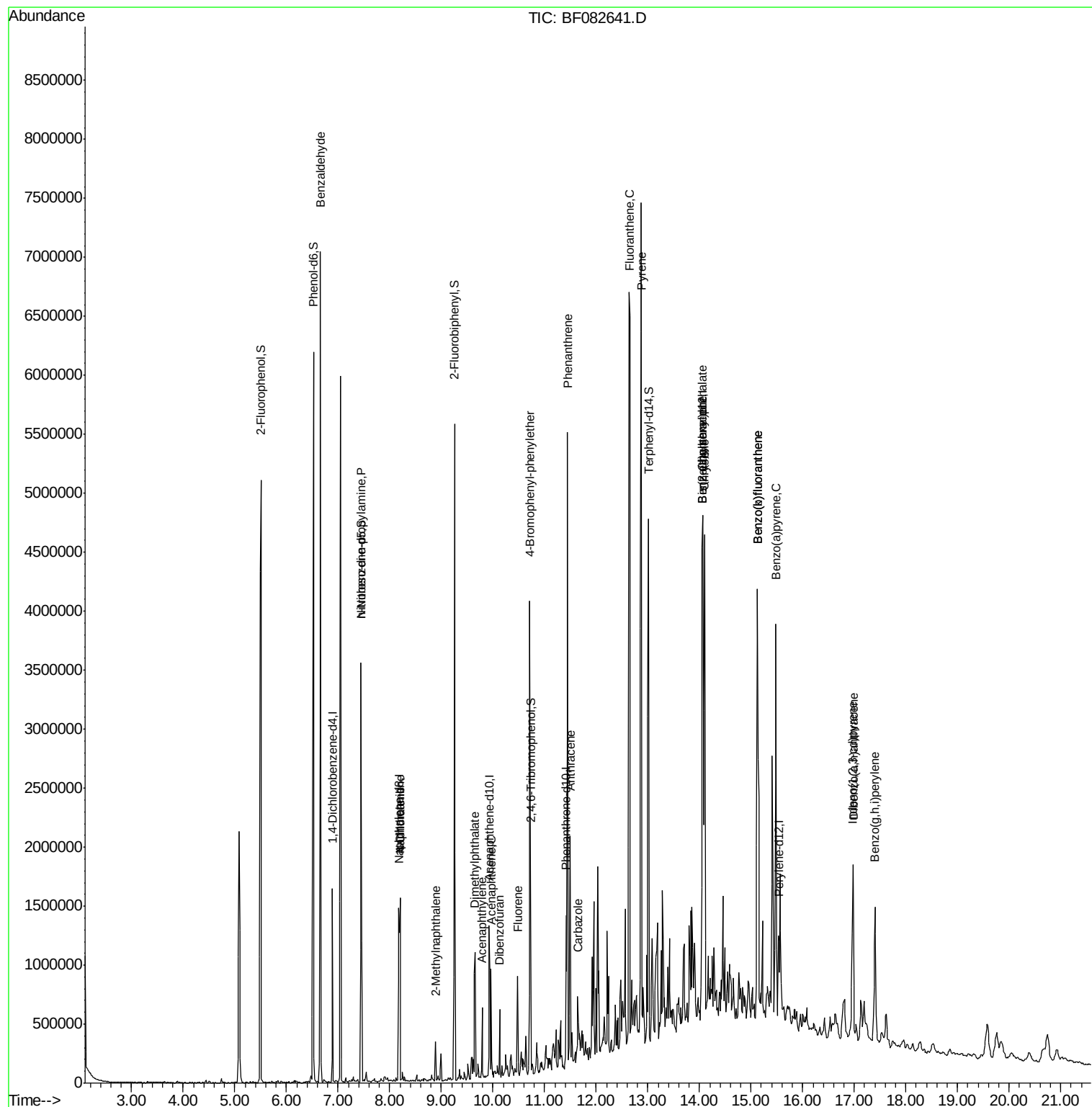
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1875274	136.71	ng	0.00
7) Phenol-d6	6.52	99	2192084	120.29	ng	-0.01
23) Nitrobenzene-d5	7.45	82	1390374	79.19	ng	-0.02
41) 2,4,6-Tribromophenol	10.73	330	502270	141.66	ng	-0.01
44) 2-Fluorobiphenyl	9.25	172	1839710	80.62	ng	-0.02
78) Terphenyl-d14	13.01	244	1493847	85.06	ng	-0.01

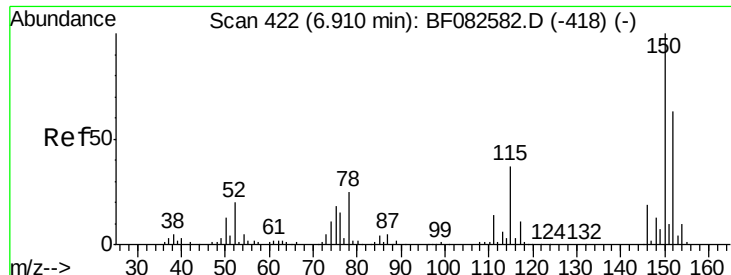
Target Compounds						Qvalue
9) Benzaldehyde	6.66	77	54948	4.42	ng	86
19) n-Nitroso-di-n-propylamine	7.45	70	196625	14.23	ng	# 72
31) Naphthalene	8.20	128	921195	23.74	ng	98
33) 4-Chloroaniline	8.20	127	126579	7.64	ng	# 30
37) 2-Methylnaphthalene	8.89	142	74258	2.95	ng	98
48) Acenaphthylene	9.79	152	207137	6.06	ng	97
49) Dimethylphthalate	9.65	163	591014	22.34	ng	97
51) Acenaphthene	9.96	154	179286	8.26	ng	99
54) Dibenzofuran	10.13	168	145885	4.95	ng	95
57) Fluorene	10.48	166	195665	8.24	ng	99
66) 4-Bromophenyl-phenylether	10.72	248	31839	5.21	ng	# 1
70) Phenanthrene	11.45	178	2338019	76.86	ng	100
71) Anthracene	11.49	178	720854	23.54	ng	98
72) Carbazole	11.64	167	193248	7.24	ng	96
74) Fluoranthene	12.65	202	4108908	132.13	ng	93
77) Pyrene	12.88	202	4311262	151.48	ng	96
80) Benzo(a)anthracene	14.05	228	2345101	96.05	ng	95
82) Chrysene	14.10	228	1789834	80.88	ng	97
83) Bis(2-ethylhexyl)phthalate	14.05	149	35177	2.18	ng	91
85) Indeno(1,2,3-cd)pyrene	16.97	276	1181877	64.72	ng	95
87) Benzo(b)fluoranthene	15.13	252	3359622	118.28	ng	# 96
88) Benzo(k)fluoranthene	15.13	252	3359622	155.26	ng	# 95
89) Benzo(a)pyrene	15.48	252	1716471	76.73	ng	95
90) Dibenzo(a,h)anthracene	16.98	278	295708	14.17	ng	96
91) Benzo(g,h,i)perylene	17.40	276	1083831	53.58	ng	99

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

Instrument :
BNA_F
ClientSampleId :
DS-4

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Oct 31 00:17:39 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.89 min Scan# 420

Delta R.T. -0.02 min

Lab File: BF082641.D

Acq: 2 Nov 2015 20:05

Instrument :

BNA_F

ClientSampleId :

DS-4

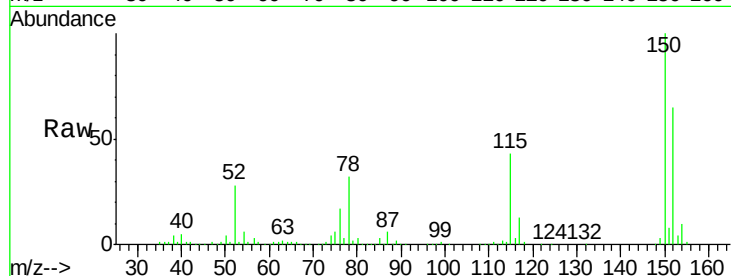
Tgt Ion:152 Resp: 206606

Ion Ratio Lower Upper

152 100

150 154.3 127.0 190.4

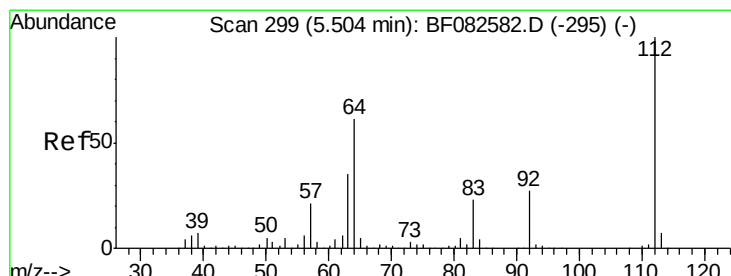
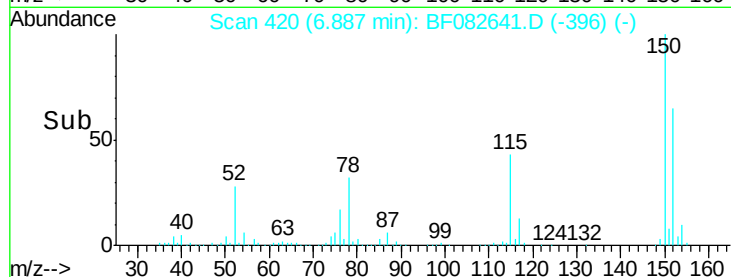
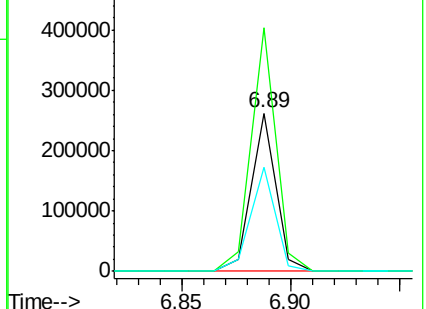
115 66.0 47.0 70.6



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: 136.71 ng

RT: 5.50 min Scan# 299

Delta R.T. 0.00 min

Lab File: BF082641.D

Acq: 2 Nov 2015 20:05

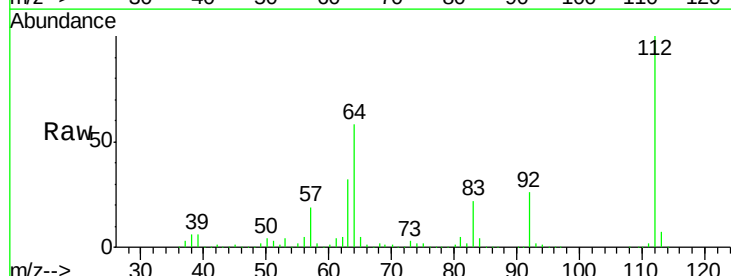
Tgt Ion:112 Resp: 1875274

Ion Ratio Lower Upper

112 100

64 57.7 48.9 73.3

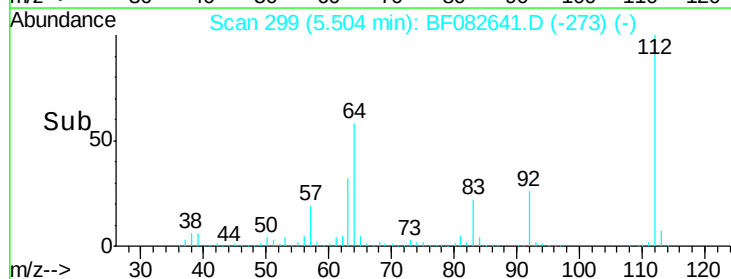
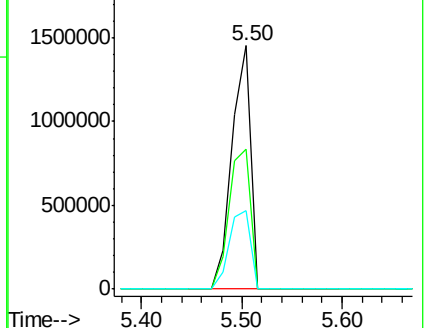
63 32.5 28.1 42.1

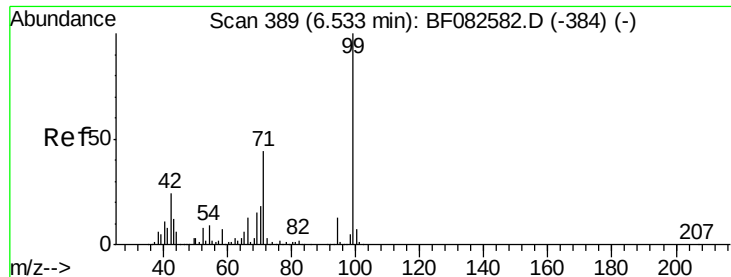


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 120.29 ng

RT: 6.52 min Scan# 388

Delta R.T. -0.01 min

Lab File: BF082641.D

Acq: 2 Nov 2015 20:05

Instrument :

BNA_F

ClientSampleId :

DS-4

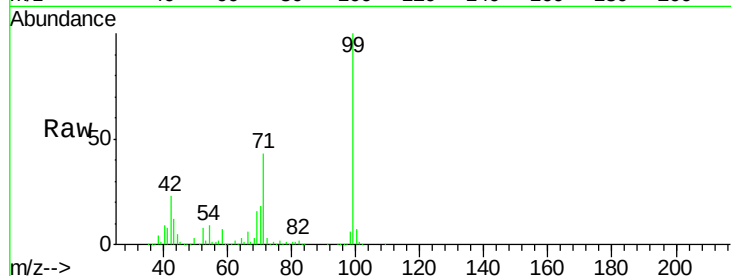
Tgt Ion: 99 Resp: 2192084

Ion Ratio Lower Upper

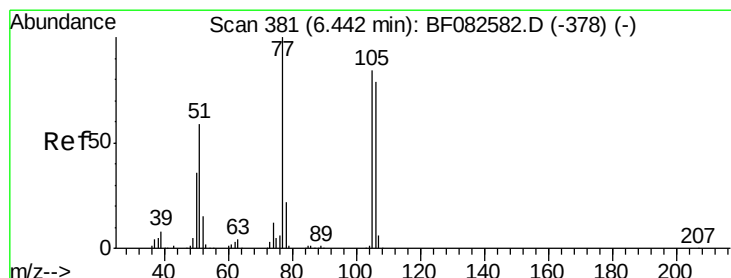
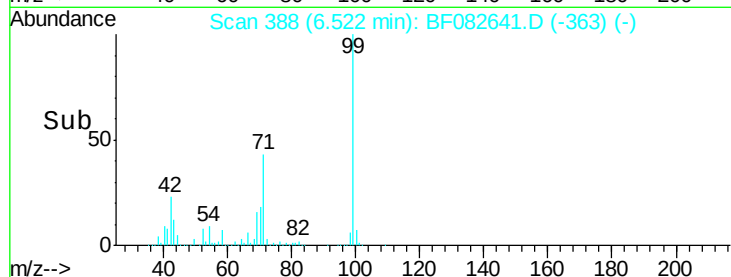
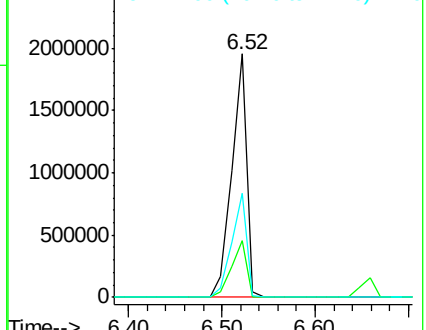
99 100

42 23.3 19.2 28.8

71 42.6 35.0 52.4



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 4.42 ng

RT: 6.66 min Scan# 400

Delta R.T. 0.22 min

Lab File: BF082641.D

Acq: 2 Nov 2015 20:05

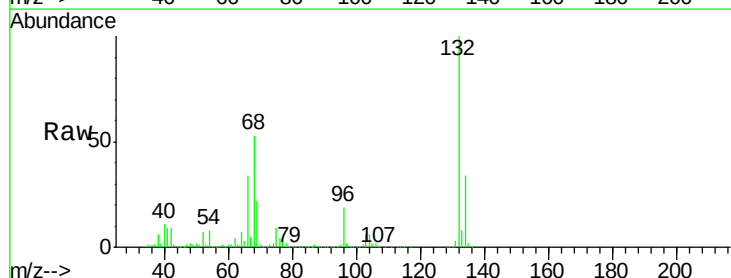
Tgt Ion: 77 Resp: 54948

Ion Ratio Lower Upper

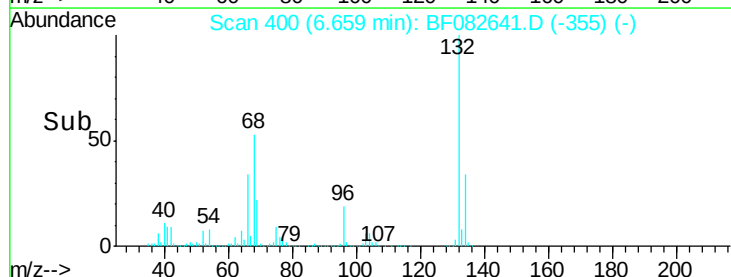
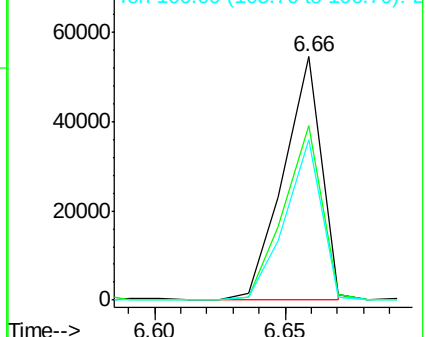
77 100

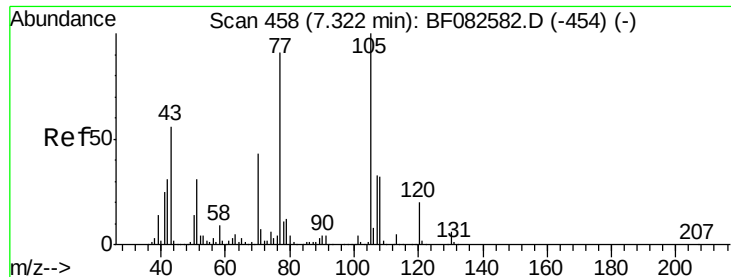
105 71.9 63.5 103.5

106 65.9 59.3 99.3



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): B
Ion 106.00 (105.70 to 106.70): B

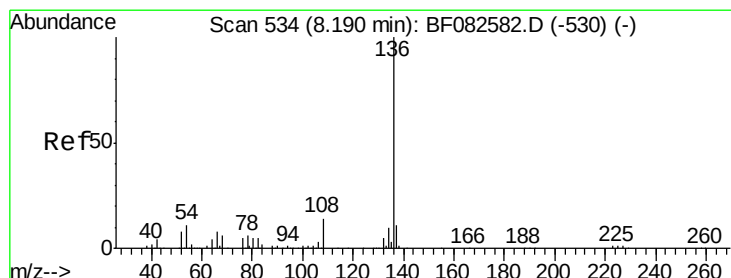
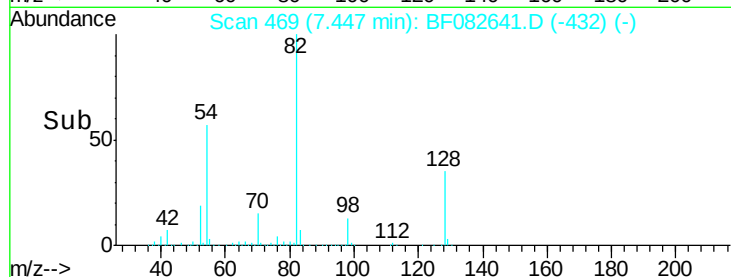
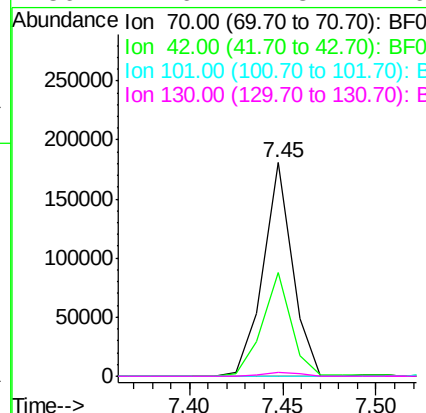
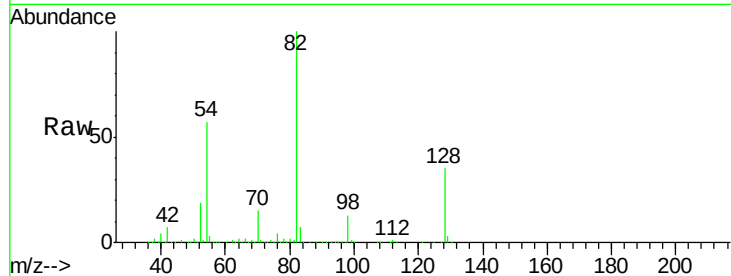




#19
n-Nitroso-di-n-propylamine
Concen: 14.23 ng
RT: 7.45 min Scan# 469
Delta R.T. 0.13 min
Lab File: BF082641.D
Acq: 2 Nov 2015 20:05

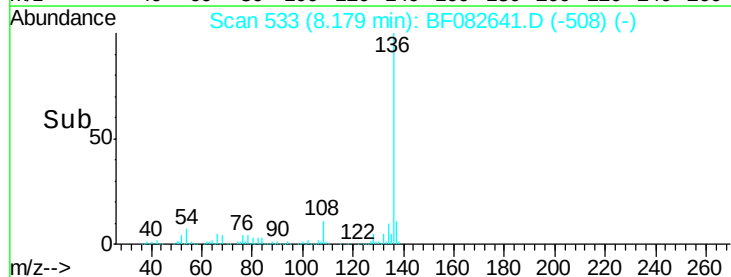
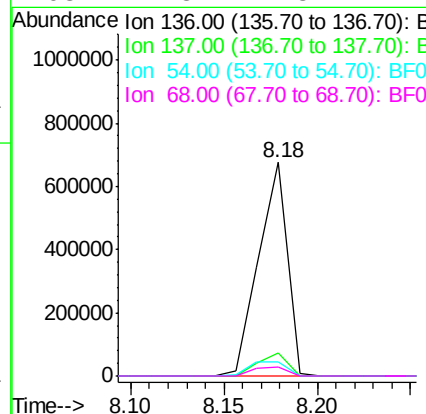
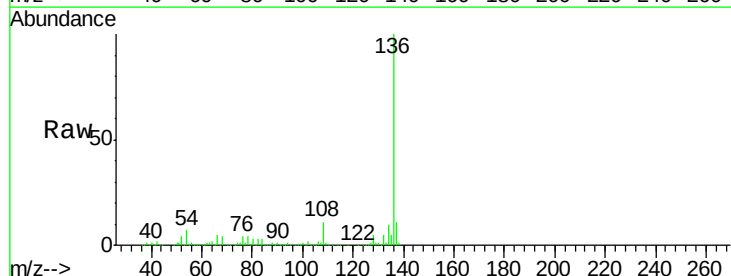
Instrument :
BNA_F
ClientSampled :
DS-4

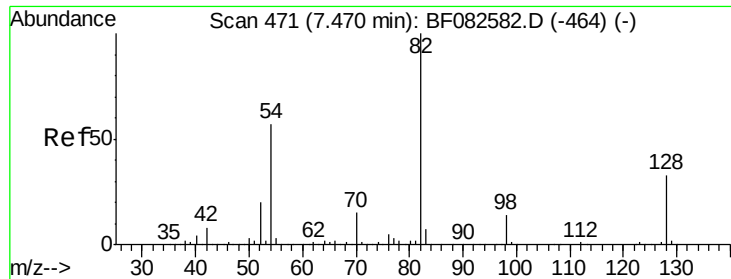
Tgt Ion: 70 Resp: 196625
Ion Ratio Lower Upper
70 100
42 48.8 57.7 86.5#
101 0.0 7.0 10.6#
130 1.6 11.8 17.6#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.18 min Scan# 533
Delta R.T. -0.01 min
Lab File: BF082641.D
Acq: 2 Nov 2015 20:05

Tgt Ion: 136 Resp: 716994
Ion Ratio Lower Upper
136 100
137 10.5 9.1 13.7
54 6.8 9.1 13.7#
68 4.3 4.8 7.2#

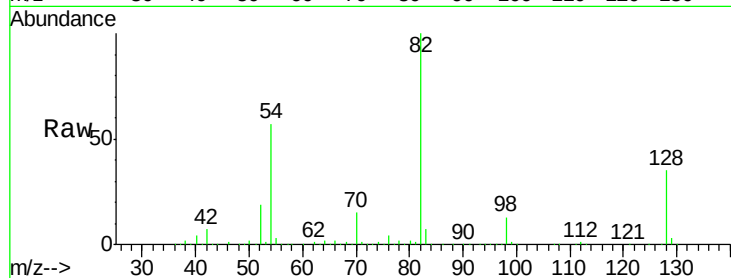




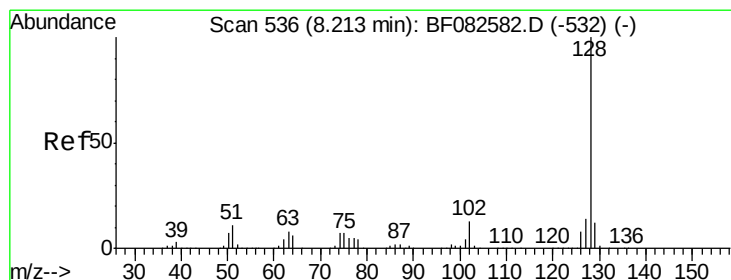
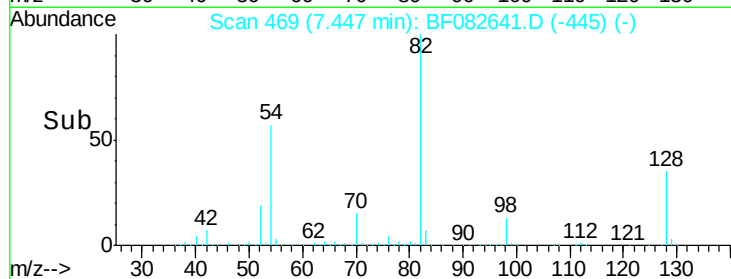
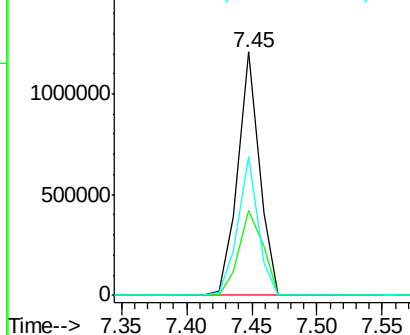
#23
 Nitrobenzene-d5
 Concen: 79.19 ng
 RT: 7.45 min Scan# 469
 Delta R.T. -0.02 min
 Lab File: BF082641.D
 Acq: 2 Nov 2015 20:05

Instrument :
 BNA_F
 ClientSampleId :
 DS-4

Tgt Ion: 82 Resp: 1390374
 Ion Ratio Lower Upper
 82 100
 128 34.8 26.8 40.2
 54 57.1 45.7 68.5

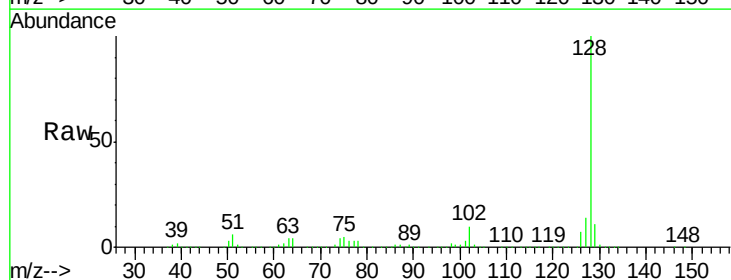


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

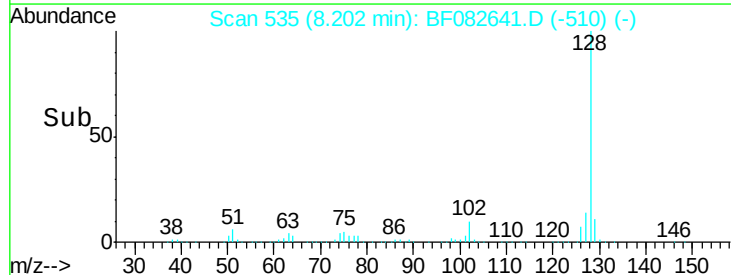
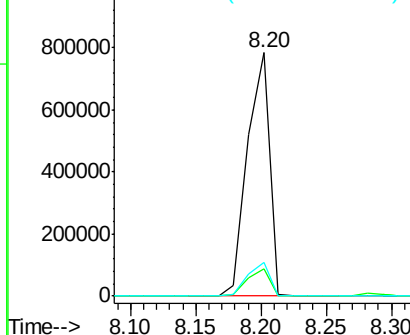


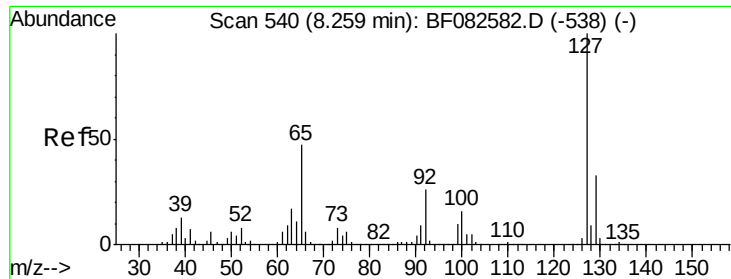
#31
 Naphthalene
 Concen: 23.74 ng
 RT: 8.20 min Scan# 535
 Delta R.T. -0.01 min
 Lab File: BF082641.D
 Acq: 2 Nov 2015 20:05

Tgt Ion: 128 Resp: 921195
 Ion Ratio Lower Upper
 128 100
 129 11.1 9.5 14.3
 127 13.7 11.4 17.0



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

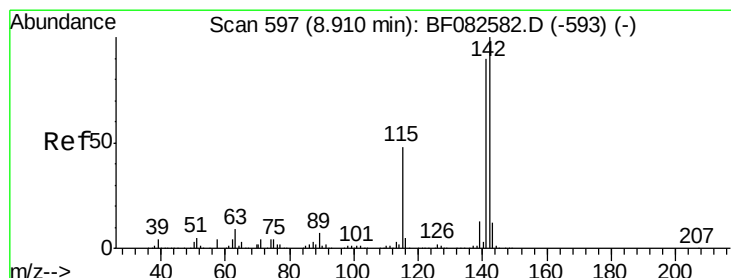
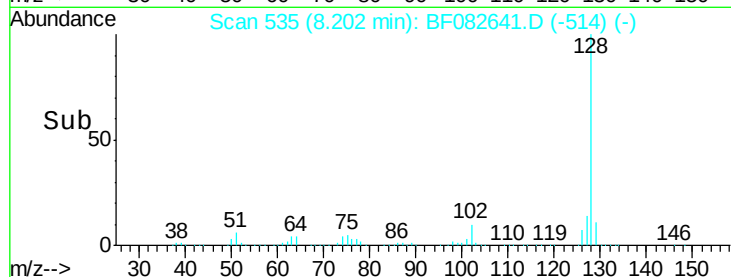
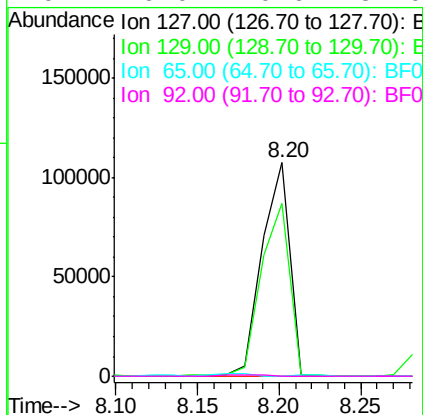
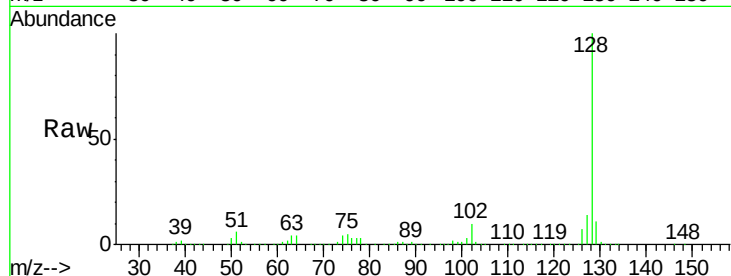




#33
4-Chloroaniline
Concen: 7.64 ng
RT: 8.20 min Scan# 535
Delta R.T. -0.06 min
Lab File: BF082641.D
Acq: 2 Nov 2015 20:05

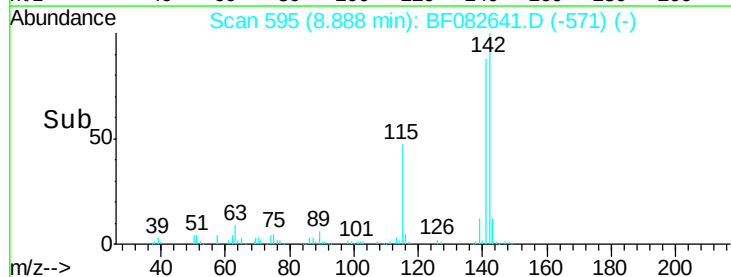
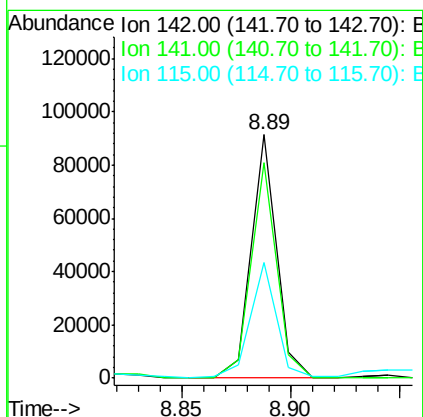
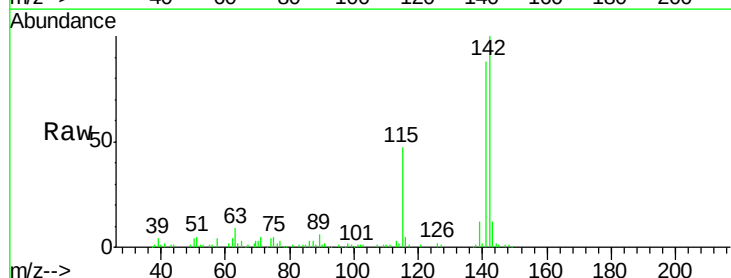
Instrument :
BNA_F
ClientSampleId :
DS-4

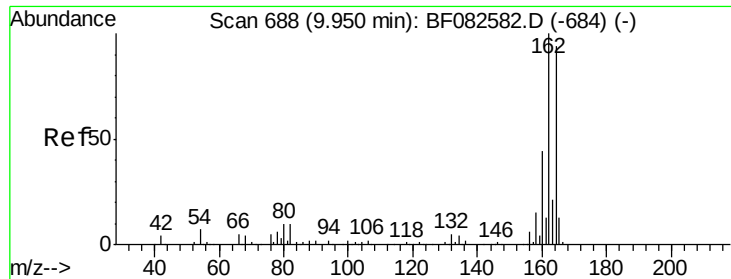
Tgt Ion:	127	Resp:	126579
Ion	Ratio	Lower	Upper
127	100		
129	80.9	26.3	39.5#
65	0.0	37.8	56.8#
92	0.0	20.6	31.0#



#37
2-Methylnaphthalene
Concen: 2.95 ng
RT: 8.89 min Scan# 595
Delta R.T. -0.02 min
Lab File: BF082641.D
Acq: 2 Nov 2015 20:05

Tgt Ion:	142	Resp:	74258
Ion	Ratio	Lower	Upper
142	100		
141	88.3	72.3	108.5
115	47.3	38.1	57.1

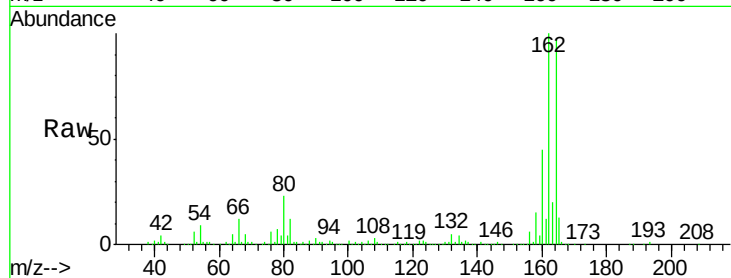




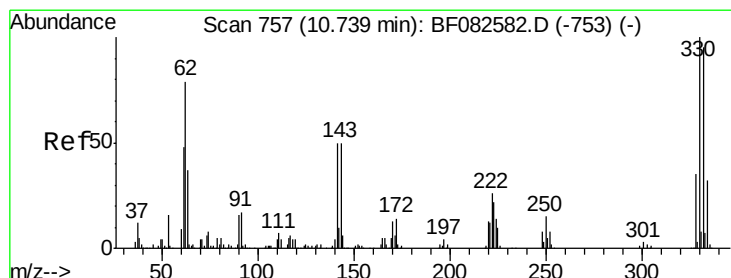
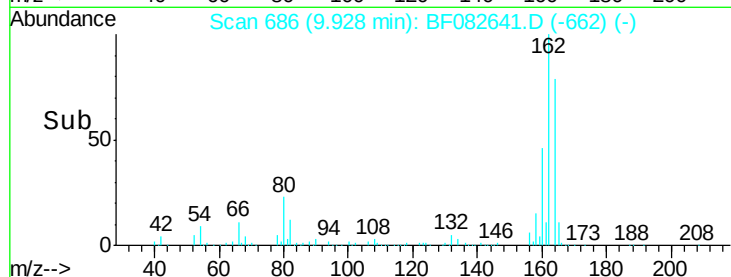
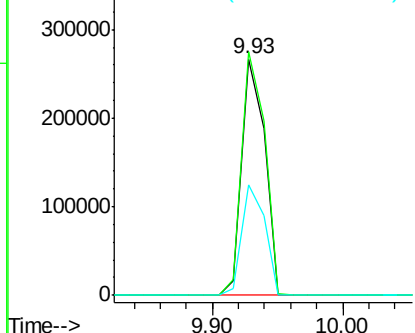
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.93 min Scan# 686
Delta R.T. -0.02 min
Lab File: BF082641.D
Acq: 2 Nov 2015 20:05

Instrument :
BNA_F
ClientSampleId :
DS-4

Tgt Ion:164 Resp: 323977
Ion Ratio Lower Upper
164 100
162 103.2 84.9 127.3
160 46.6 37.5 56.3

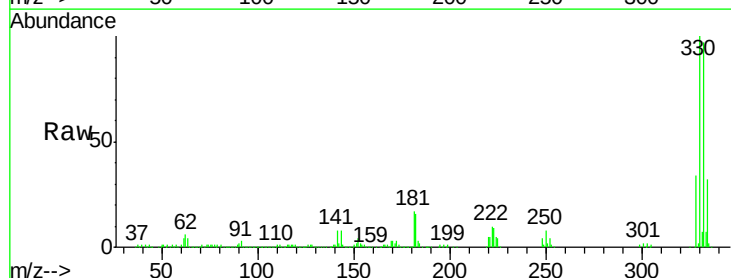


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

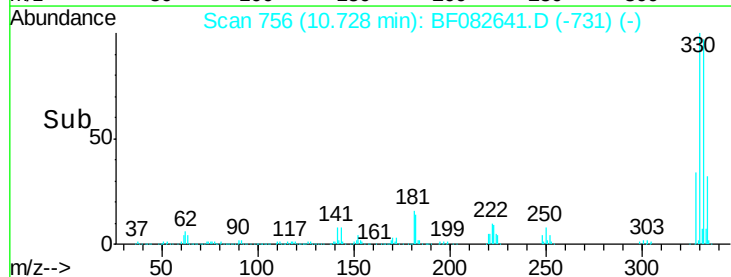
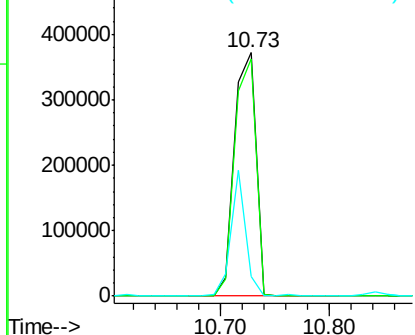


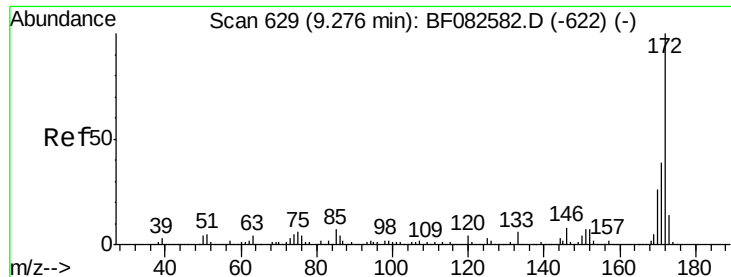
#41
2,4,6-Tribromophenol
Concen: 141.66 ng
RT: 10.73 min Scan# 756
Delta R.T. -0.01 min
Lab File: BF082641.D
Acq: 2 Nov 2015 20:05

Tgt Ion:330 Resp: 502270
Ion Ratio Lower Upper
330 100
332 96.8 76.6 114.8
141 35.8 41.2 61.8#



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

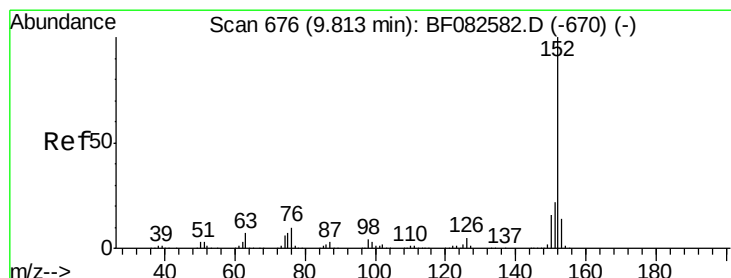
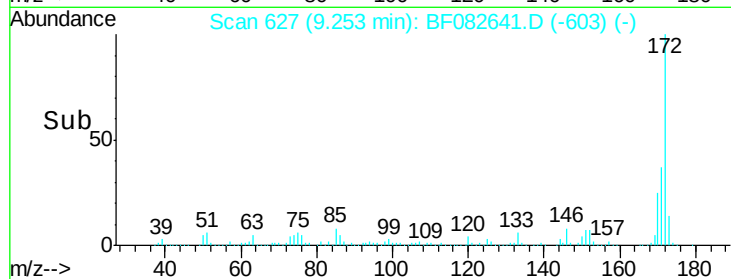
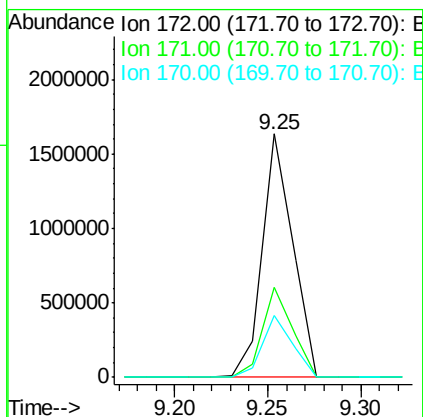
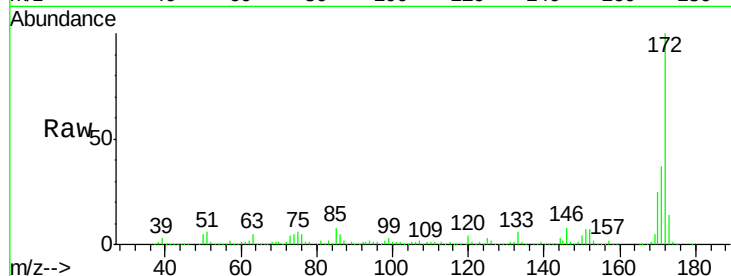




#44
2-Fluorobiphenyl
Concen: 80.62 ng
RT: 9.25 min Scan# 627
Delta R.T. -0.02 min
Lab File: BF082641.D
Acq: 2 Nov 2015 20:05

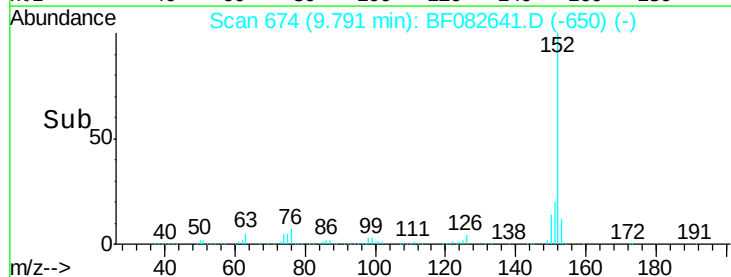
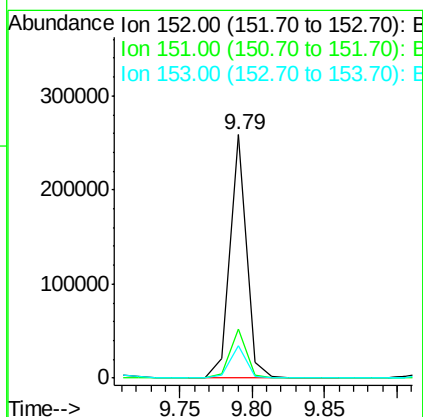
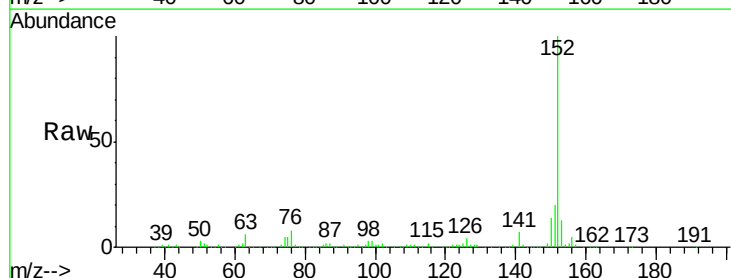
Instrument :
BNA_F
ClientSampleId :
DS-4

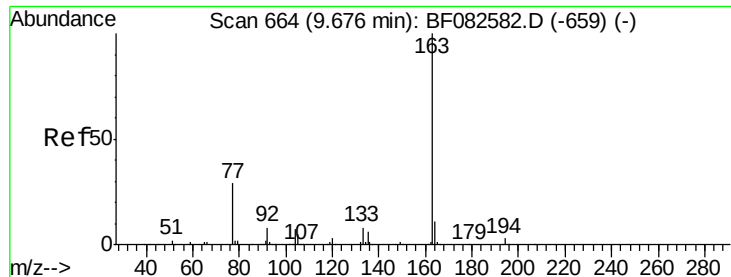
Tgt Ion:172 Resp: 1839710
Ion Ratio Lower Upper
172 100
171 37.2 30.8 46.2
170 25.3 21.2 31.8



#48
Acenaphthylene
Concen: 6.06 ng
RT: 9.79 min Scan# 674
Delta R.T. -0.02 min
Lab File: BF082641.D
Acq: 2 Nov 2015 20:05

Tgt Ion:152 Resp: 207137
Ion Ratio Lower Upper
152 100
151 20.0 17.3 25.9
153 13.4 11.3 16.9





#49

Dimethylphthalate

Concen: 22.34 ng

RT: 9.65 min Scan# 662

Delta R.T. -0.02 min

Lab File: BF082641.D

Acq: 2 Nov 2015 20:05

Instrument :

BNA_F

ClientSampleId :

DS-4

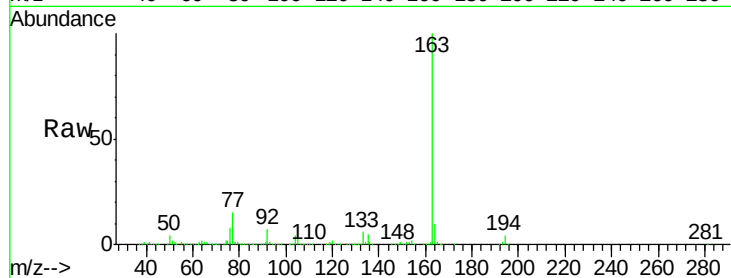
Tgt Ion:163 Resp: 591014

Ion Ratio Lower Upper

163 100

194 3.8 2.6 4.0

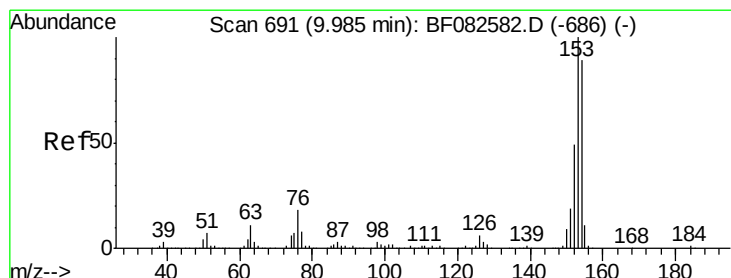
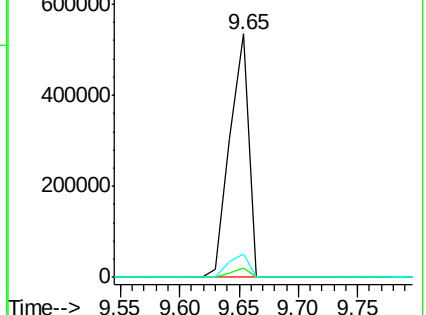
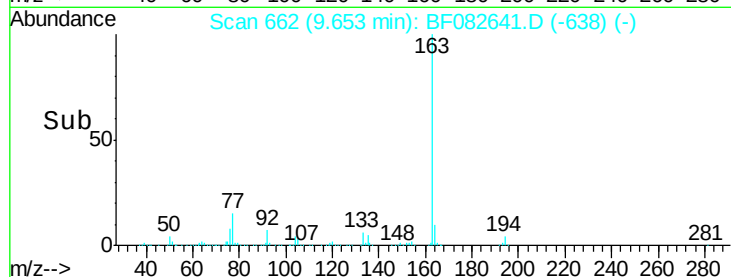
164 9.8 8.7 13.1



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

Acenaphthene

Concen: 8.26 ng

RT: 9.96 min Scan# 689

Delta R.T. -0.02 min

Lab File: BF082641.D

Acq: 2 Nov 2015 20:05

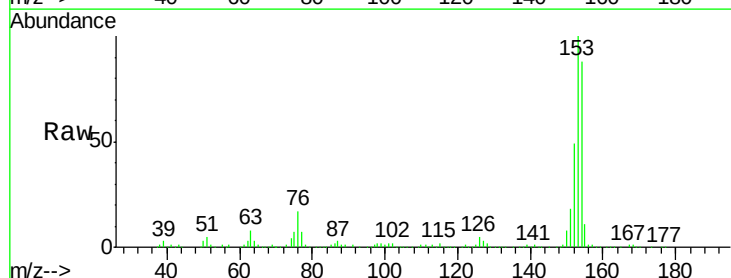
Tgt Ion:154 Resp: 179286

Ion Ratio Lower Upper

154 100

153 113.9 90.1 135.1

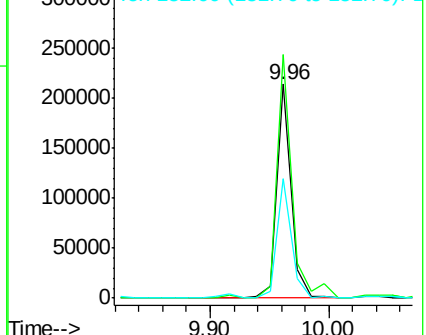
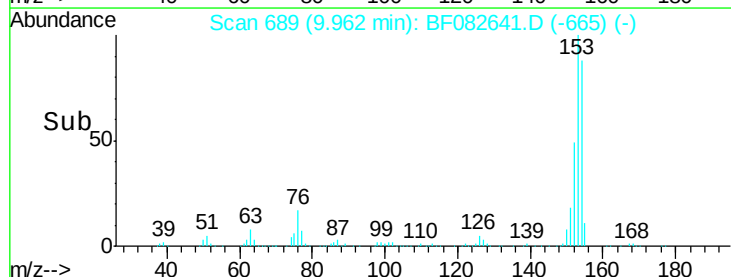
152 55.7 44.3 66.5

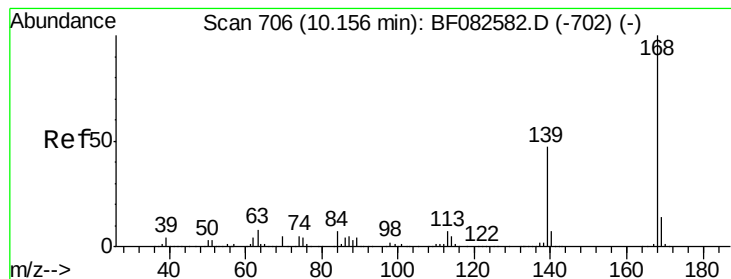


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#54

Dibenzenofuran

Concen: 4.95 ng

RT: 10.13 min Scan# 704

Delta R.T. -0.02 min

Lab File: BF082641.D

Acq: 2 Nov 2015 20:05

Instrument :

BNA_F

ClientSampled :

DS-4

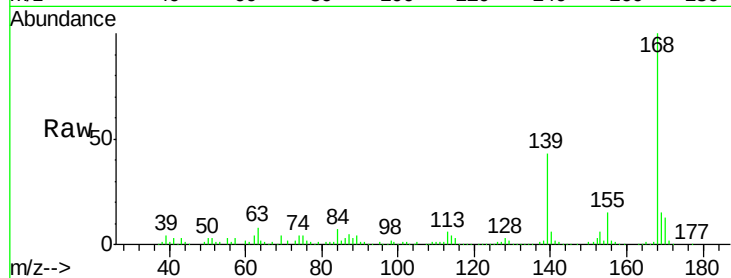
Tgt Ion:168 Resp: 145885

Ion Ratio Lower Upper

168 100

139 43.3 37.8 56.6

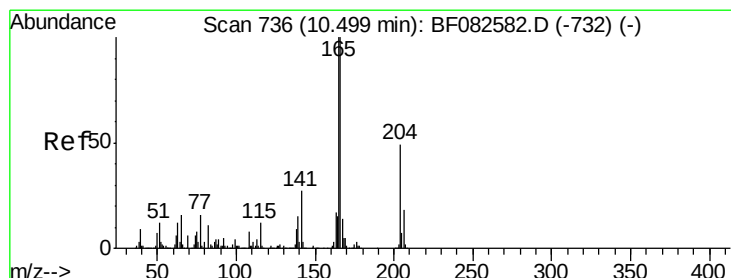
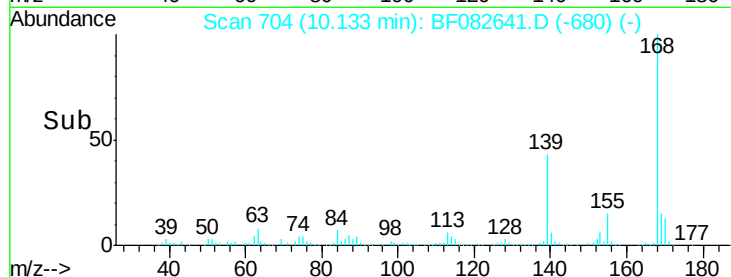
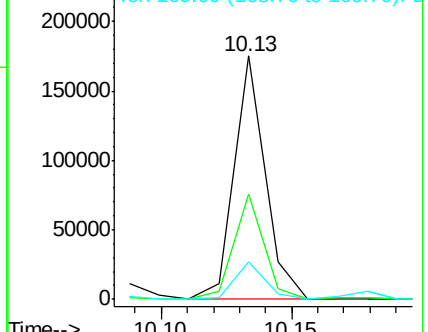
169 15.3 11.3 16.9



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#57

Fluorene

Concen: 8.24 ng

RT: 10.48 min Scan# 734

Delta R.T. -0.02 min

Lab File: BF082641.D

Acq: 2 Nov 2015 20:05

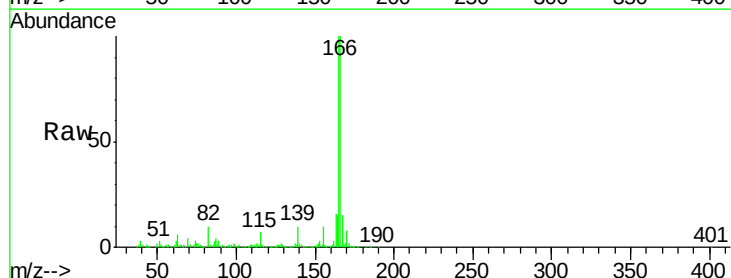
Tgt Ion:166 Resp: 195665

Ion Ratio Lower Upper

166 100

165 99.9 80.2 120.4

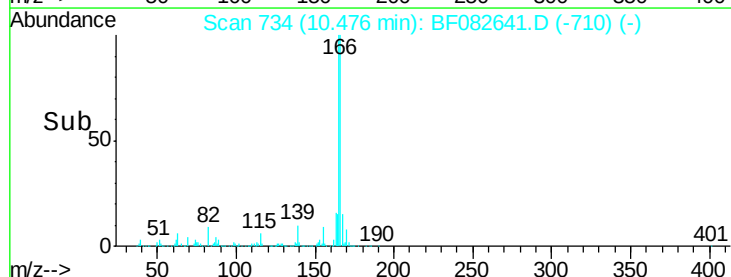
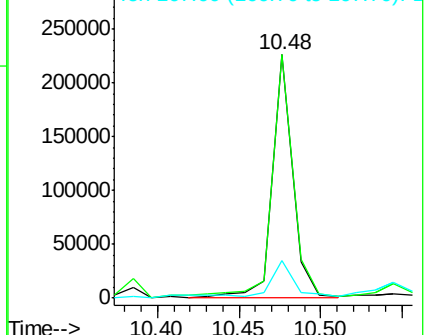
167 15.3 11.2 16.8

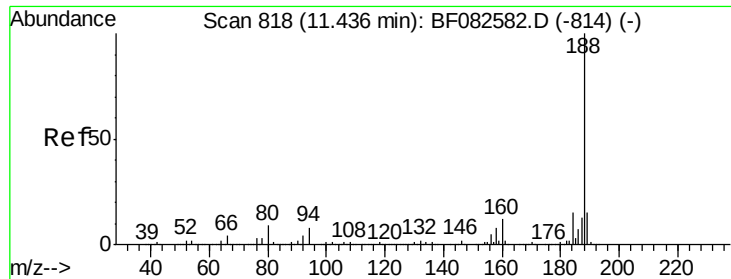


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

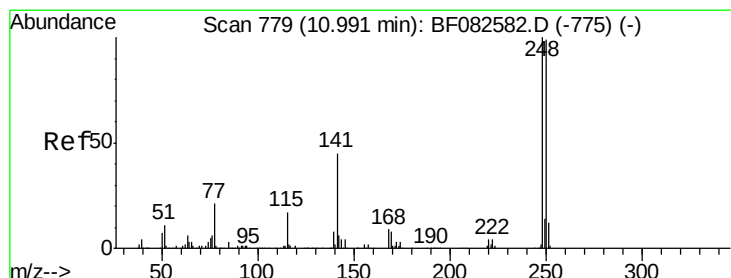
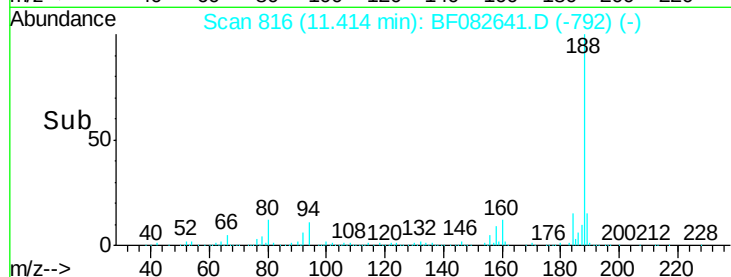
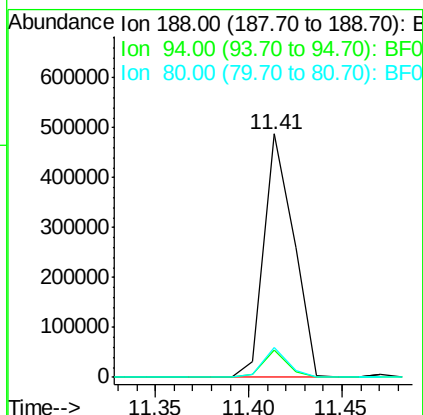
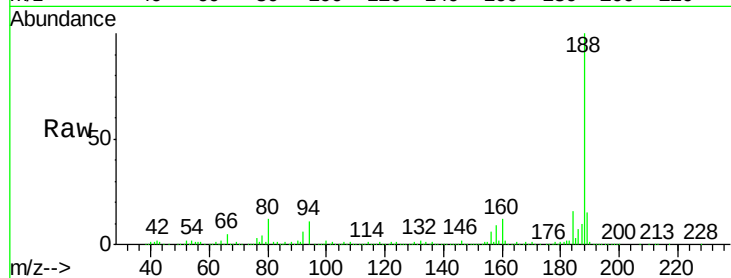




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.41 min Scan# 816
 Delta R.T. -0.02 min
 Lab File: BF082641.D
 Acq: 2 Nov 2015 20:05

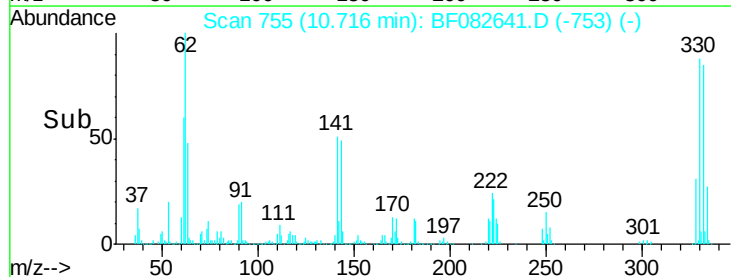
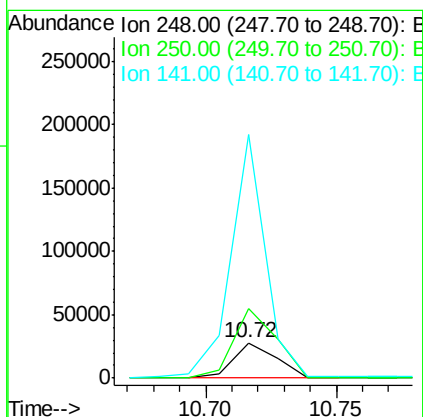
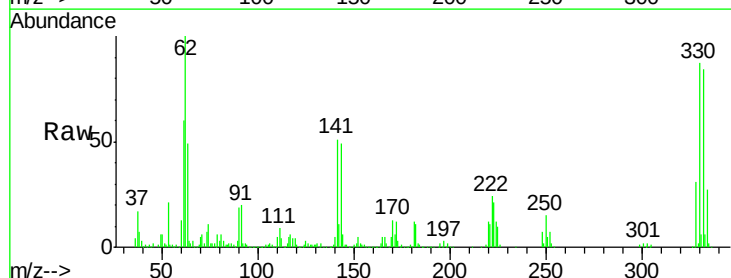
Instrument :
 BNA_F
 ClientSampleId :
 DS-4

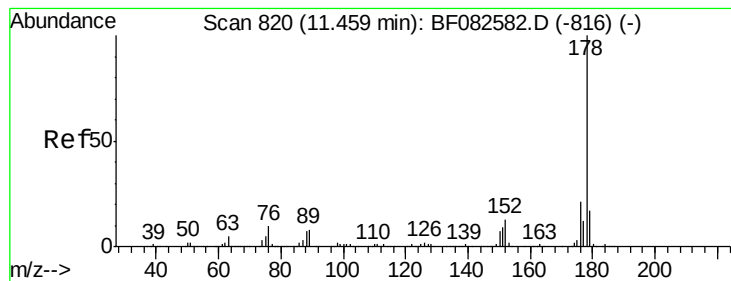
Tgt Ion:188 Resp: 539327
 Ion Ratio Lower Upper
 188 100
 94 11.1 6.1 9.1#
 80 12.1 7.0 10.6#



#66
 4-Bromophenyl-phenylether
 Concen: 5.21 ng
 RT: 10.72 min Scan# 755
 Delta R.T. -0.27 min
 Lab File: BF082641.D
 Acq: 2 Nov 2015 20:05

Tgt Ion:248 Resp: 31839
 Ion Ratio Lower Upper
 248 100
 250 197.2 79.4 119.2#
 141 692.0 36.3 54.5#





#70

Phenanthrene

Concen: 76.86 ng

RT: 11.45 min Scan# 819

Delta R.T. -0.01 min

Lab File: BF082641.D

Acq: 2 Nov 2015 20:05

Instrument :

BNA_F

ClientSampleId :

DS-4

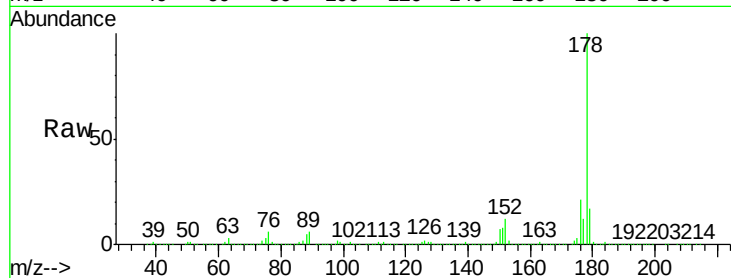
Tgt Ion:178 Resp: 2338019

Ion Ratio Lower Upper

178 100

176 21.3 17.0 25.4

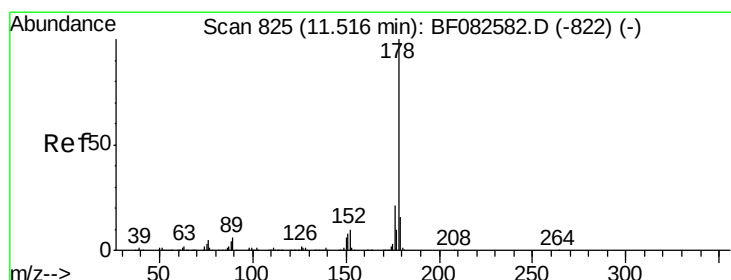
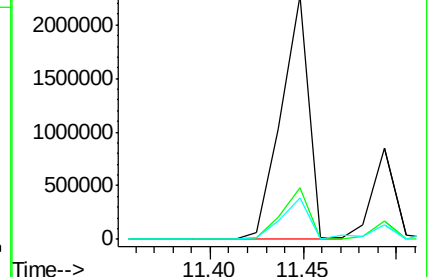
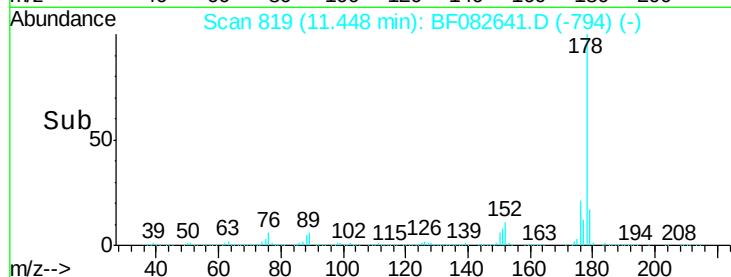
179 16.9 13.4 20.0



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: 23.54 ng

RT: 11.49 min Scan# 823

Delta R.T. -0.02 min

Lab File: BF082641.D

Acq: 2 Nov 2015 20:05

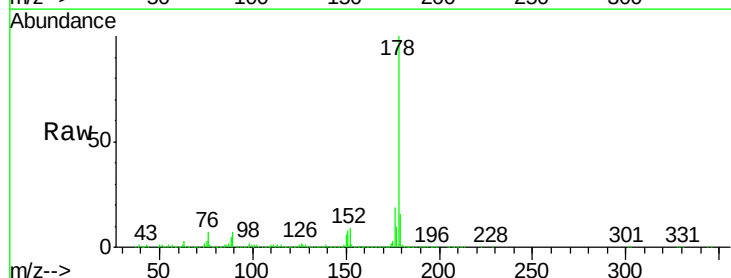
Tgt Ion:178 Resp: 720854

Ion Ratio Lower Upper

178 100

176 19.3 16.5 24.7

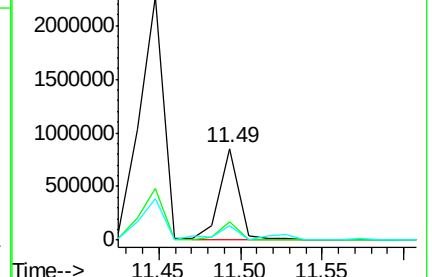
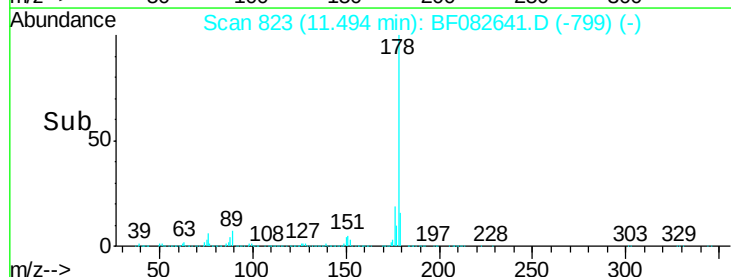
179 15.9 13.2 19.8

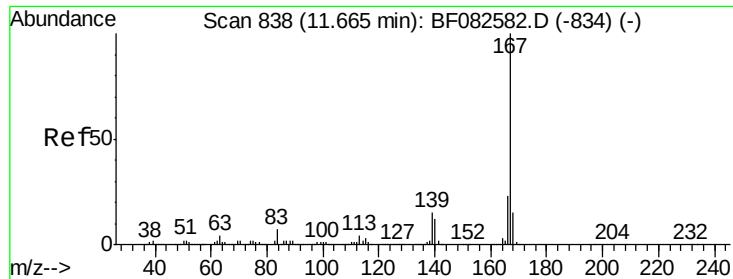


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 7.24 ng

RT: 11.64 min Scan# 836

Delta R.T. -0.02 min

Lab File: BF082641.D

Acq: 2 Nov 2015 20:05

Instrument :

BNA_F

ClientSampleId :

DS-4

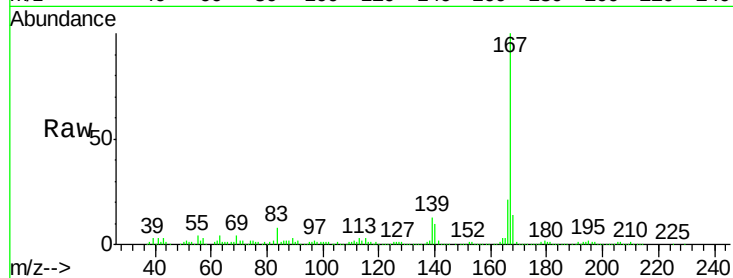
Tgt Ion:167 Resp: 193248

Ion Ratio Lower Upper

167 100

166 21.5 18.7 28.1

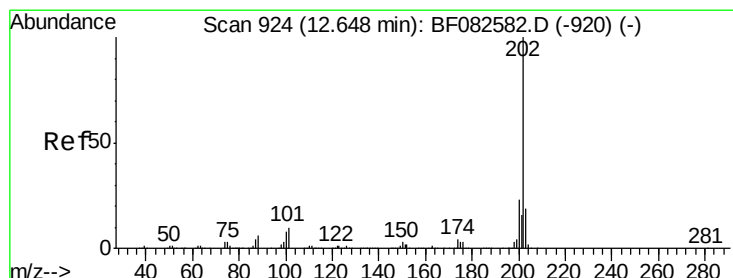
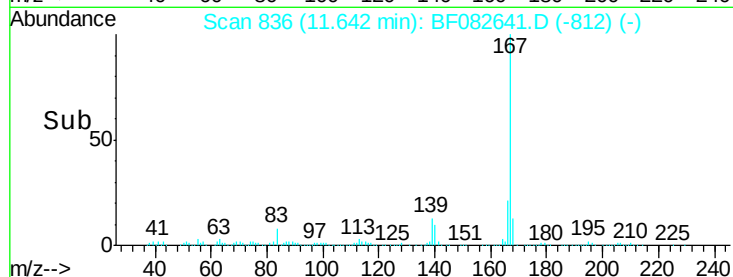
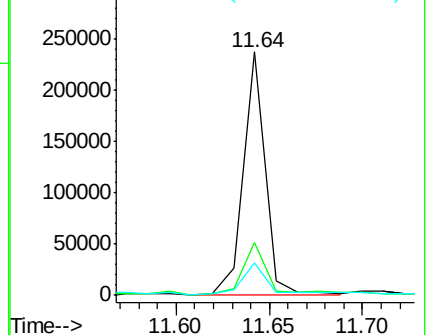
139 13.4 11.8 17.6



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 132.13 ng

RT: 12.65 min Scan# 924

Delta R.T. 0.00 min

Lab File: BF082641.D

Acq: 2 Nov 2015 20:05

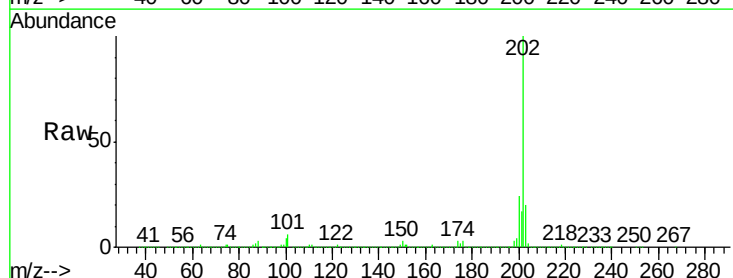
Tgt Ion:202 Resp: 4108908

Ion Ratio Lower Upper

202 100

101 5.6 0.0 30.5

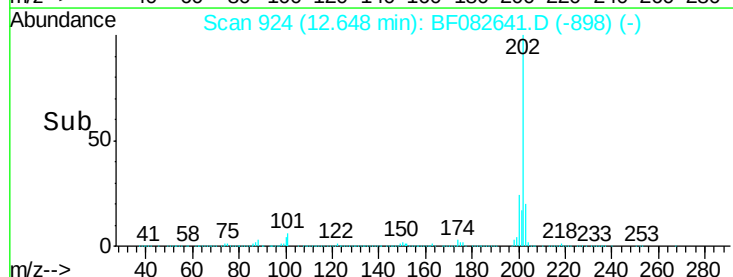
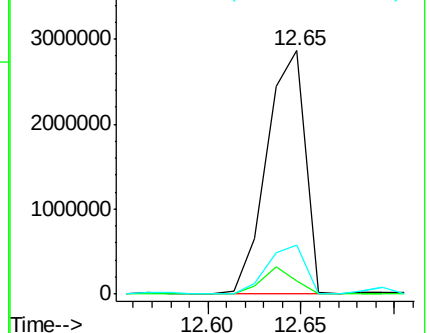
203 20.1 0.0 38.5

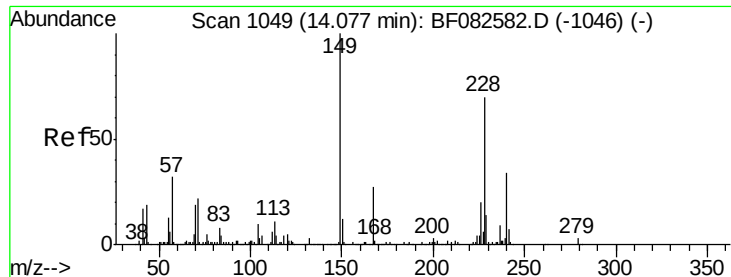


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.07 min Scan# 1048

Delta R.T. -0.01 min

Lab File: BF082641.D

Acq: 2 Nov 2015 20:05

Instrument :

BNA_F

ClientSampleId :

DS-4

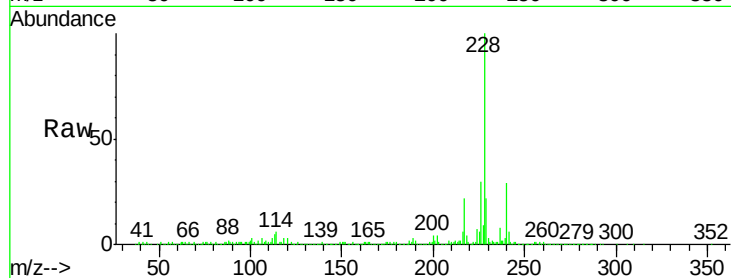
Tgt Ion:240 Resp: 384349

Ion Ratio Lower Upper

240 100

120 11.6 10.9 16.3

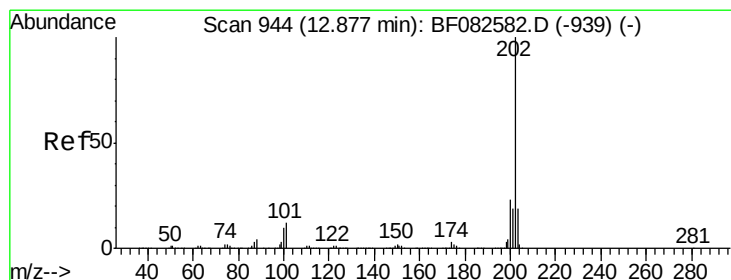
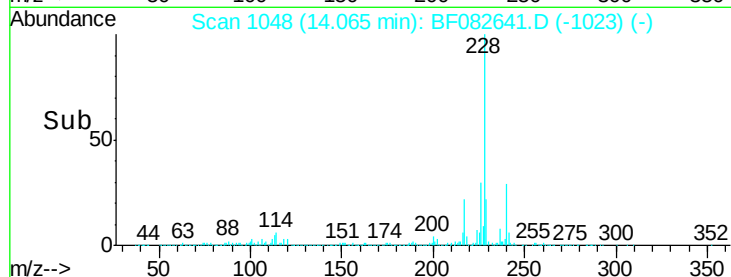
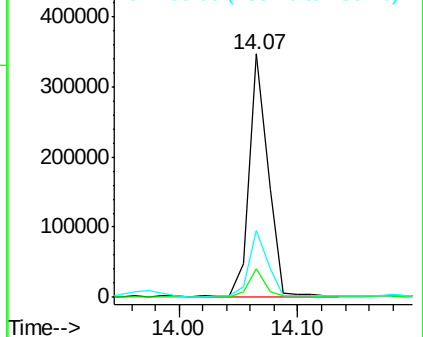
236 27.6 21.6 32.4



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: 151.48 ng

RT: 12.88 min Scan# 944

Delta R.T. 0.00 min

Lab File: BF082641.D

Acq: 2 Nov 2015 20:05

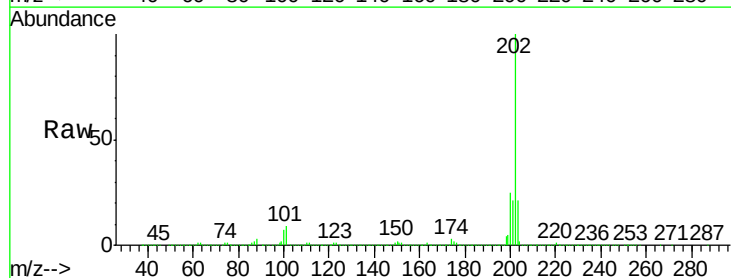
Tgt Ion:202 Resp: 4311262

Ion Ratio Lower Upper

202 100

200 25.2 18.7 28.1

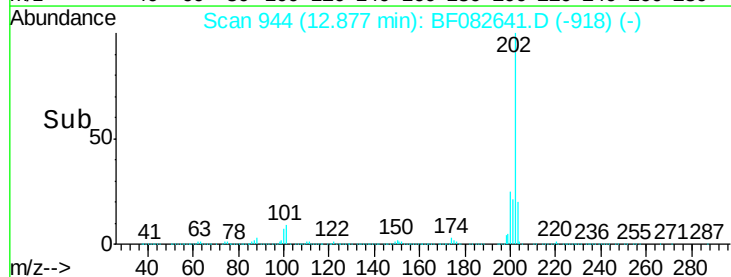
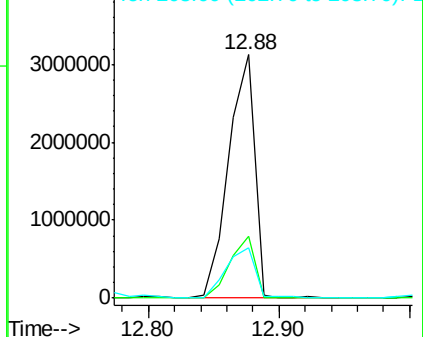
203 20.5 14.8 22.2

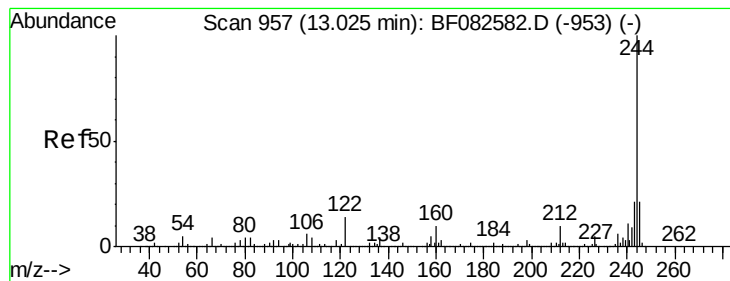


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 85.06 ng

RT: 13.01 min Scan# 956

Delta R.T. -0.01 min

Lab File: BF082641.D

Acq: 2 Nov 2015 20:05

Instrument :

BNA_F

ClientSampleId :

DS-4

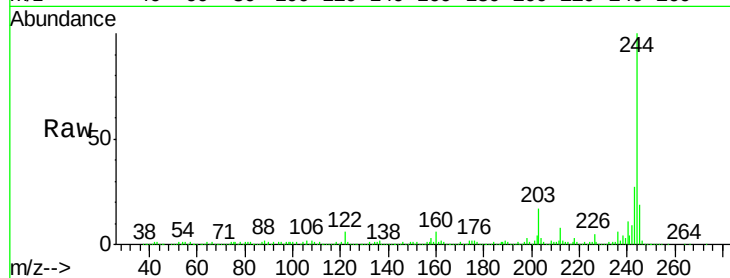
Tgt Ion:244 Resp: 1493847

Ion Ratio Lower Upper

244 100

212 7.9 7.6 11.4

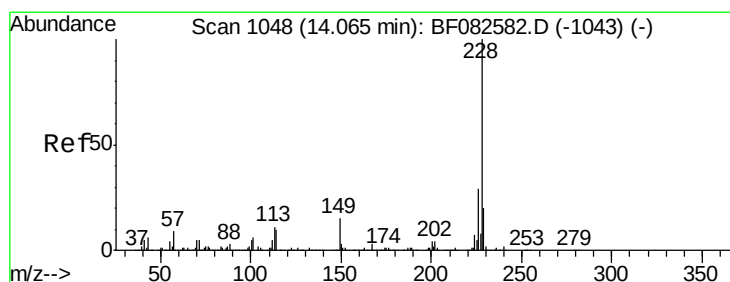
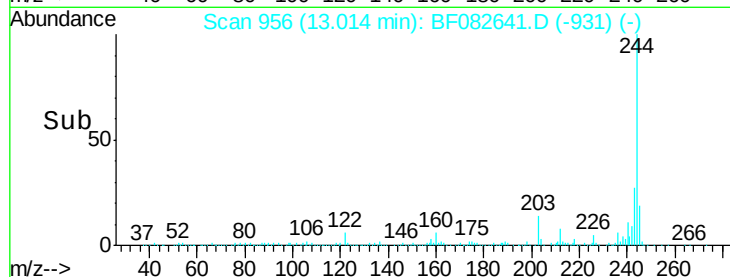
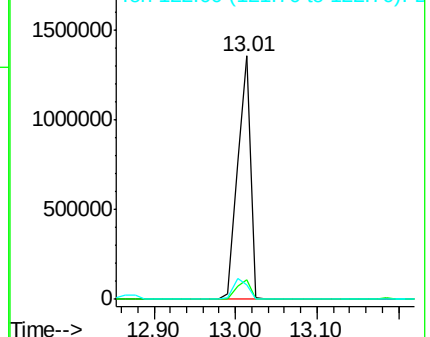
122 6.1 11.3 16.9#



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



#80

Benzo(a)anthracene

Concen: 96.05 ng

RT: 14.05 min Scan# 1047

Delta R.T. -0.01 min

Lab File: BF082641.D

Acq: 2 Nov 2015 20:05

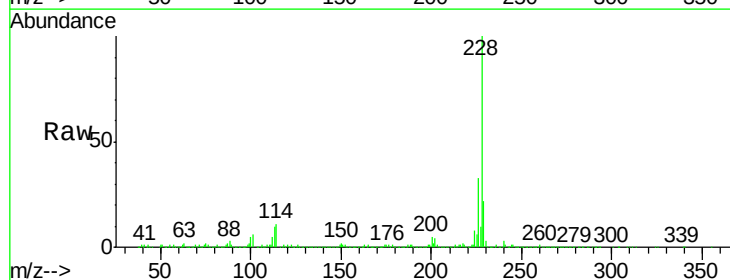
Tgt Ion:228 Resp: 2345101

Ion Ratio Lower Upper

228 100

226 32.5 23.4 35.2

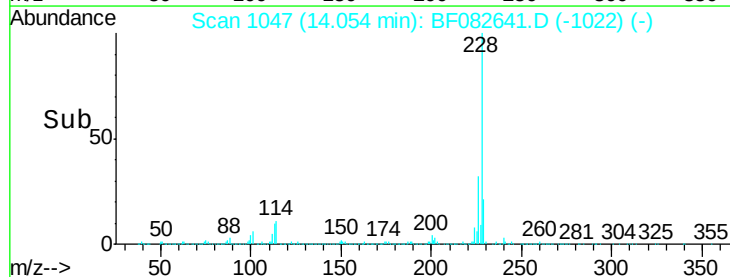
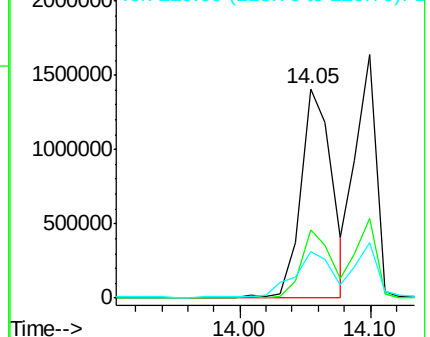
229 22.1 16.3 24.5

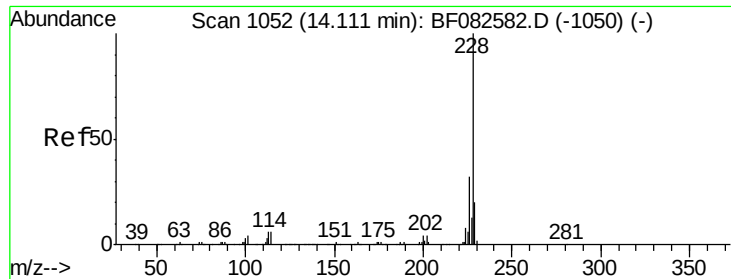


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 80.88 ng

RT: 14.10 min Scan# 1051

Delta R.T. -0.01 min

Lab File: BF082641.D

Acq: 2 Nov 2015 20:05

Instrument :

BNA_F

ClientSampleId :

DS-4

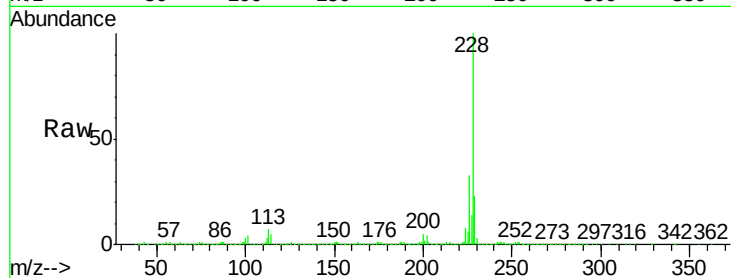
Tgt Ion:228 Resp: 1789834

Ion Ratio Lower Upper

228 100

226 32.8 25.5 38.3

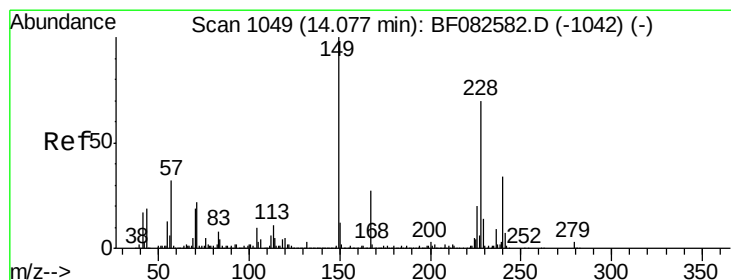
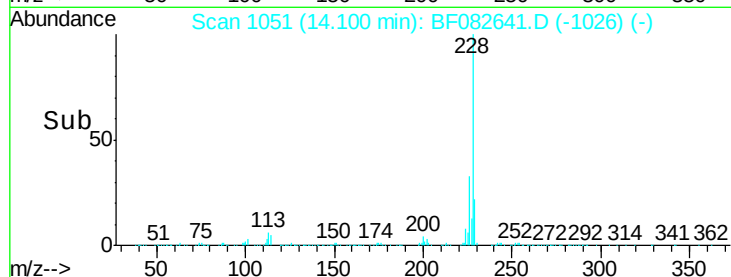
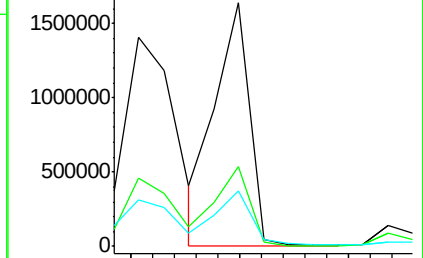
229 23.0 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.18 ng

RT: 14.05 min Scan# 1047

Delta R.T. -0.02 min

Lab File: BF082641.D

Acq: 2 Nov 2015 20:05

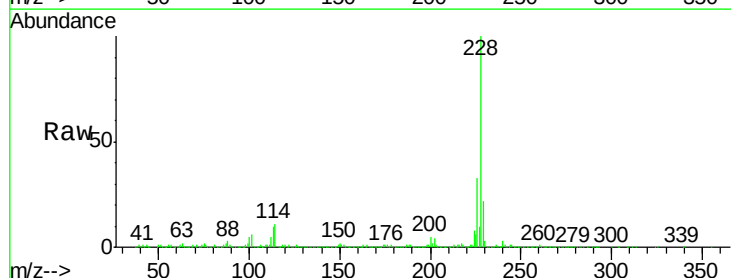
Tgt Ion:149 Resp: 35177

Ion Ratio Lower Upper

149 100

167 21.6 21.2 31.8

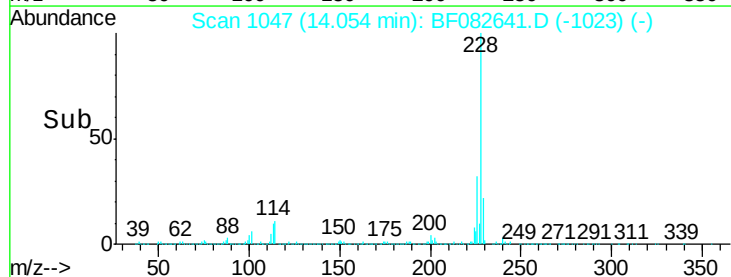
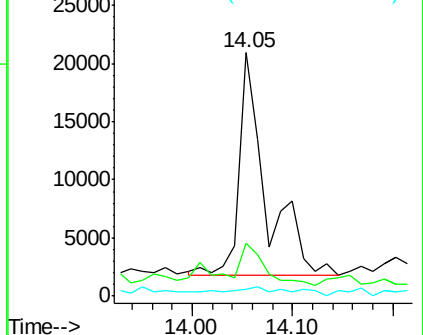
279 2.8 2.2 3.2

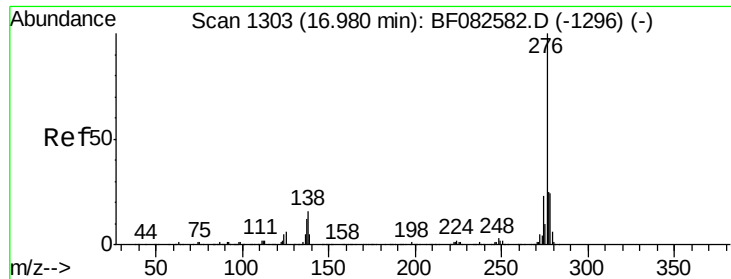


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

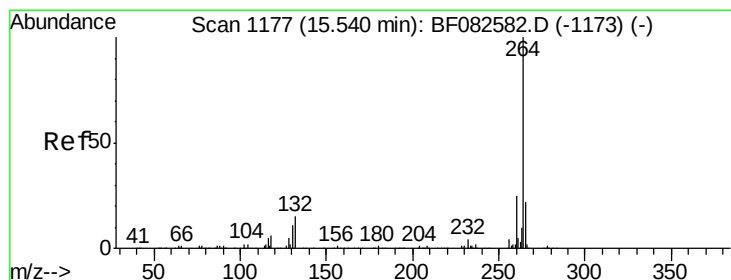
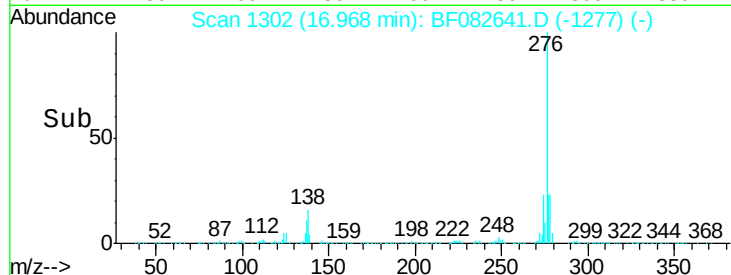
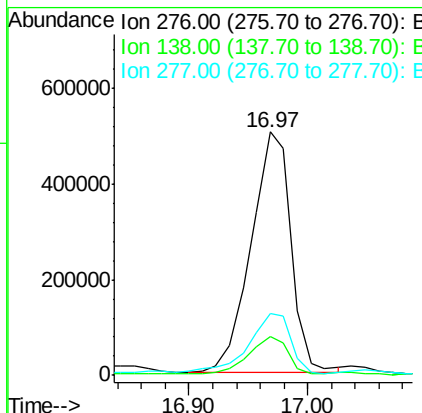
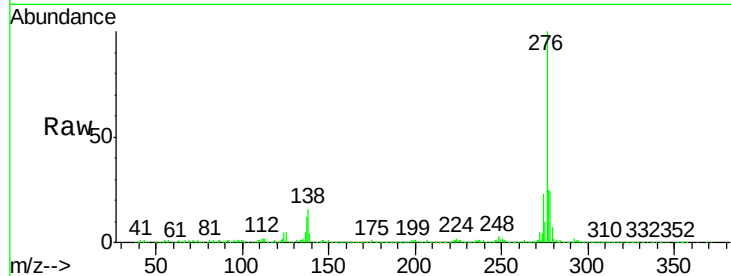




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 64.72 ng
 RT: 16.97 min Scan# 1302
 Delta R.T. -0.01 min
 Lab File: BF082641.D
 Acq: 2 Nov 2015 20:05

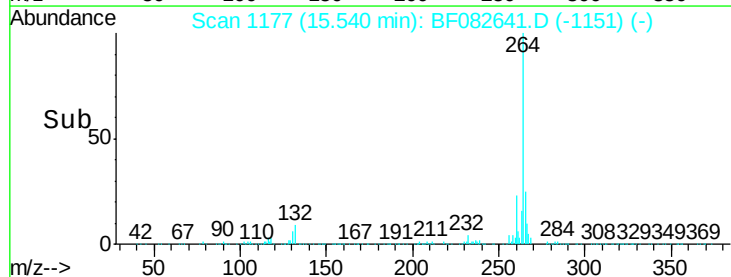
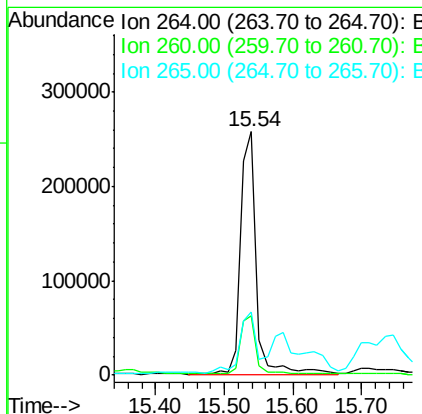
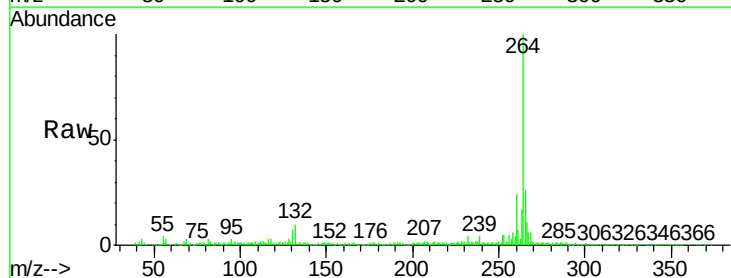
Instrument :
 BNA_F
 ClientSampleId :
 DS-4

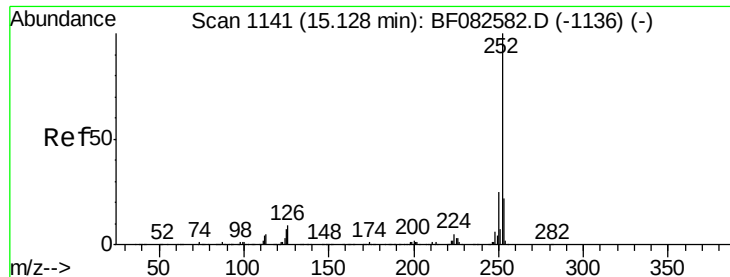
Tgt Ion:276 Resp: 1181877
 Ion Ratio Lower Upper
 276 100
 138 15.3 15.3 22.9
 277 26.3 20.2 30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.54 min Scan# 1177
 Delta R.T. 0.00 min
 Lab File: BF082641.D
 Acq: 2 Nov 2015 20:05

Tgt Ion:264 Resp: 411917
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.8 29.6
 265 25.9 17.4 26.0

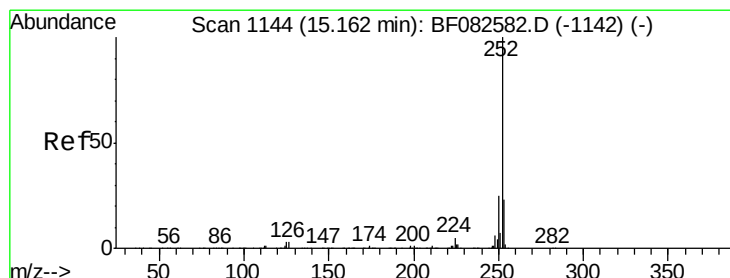
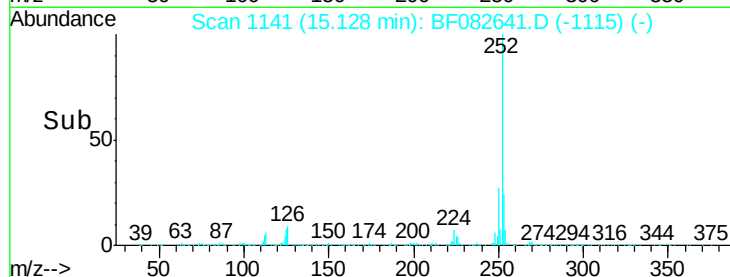
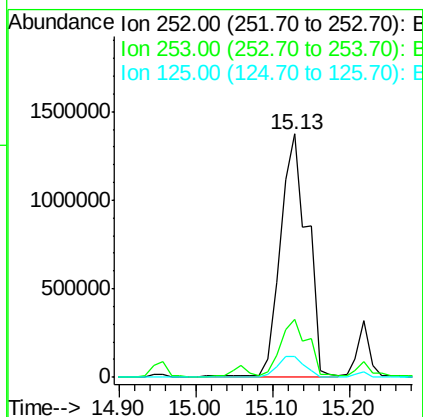
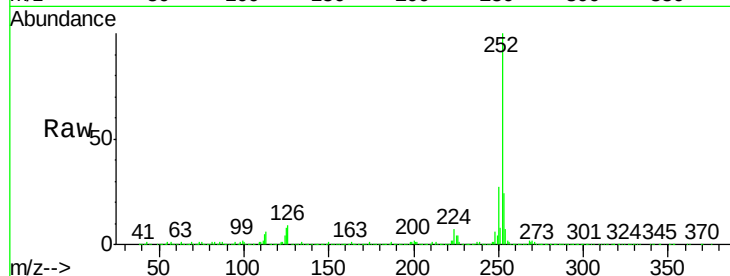




#87
Benzo(b)fluoranthene
Concen: 118.28 ng
RT: 15.13 min Scan# 1141
Delta R.T. 0.00 min
Lab File: BF082641.D
Acq: 2 Nov 2015 20:05

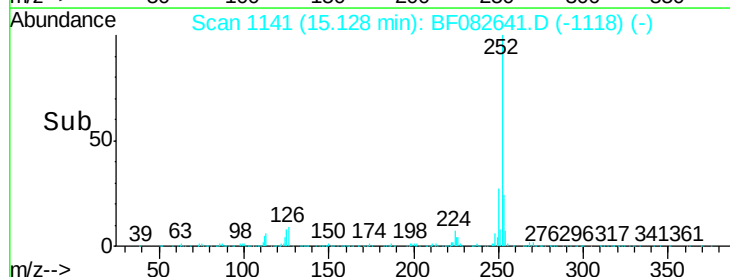
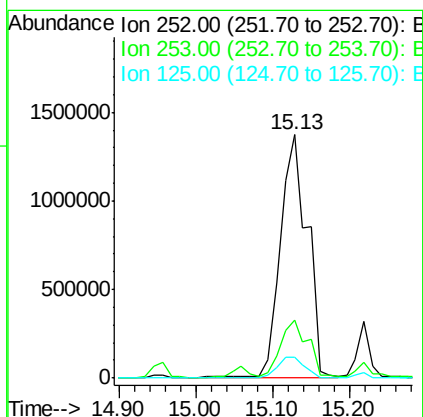
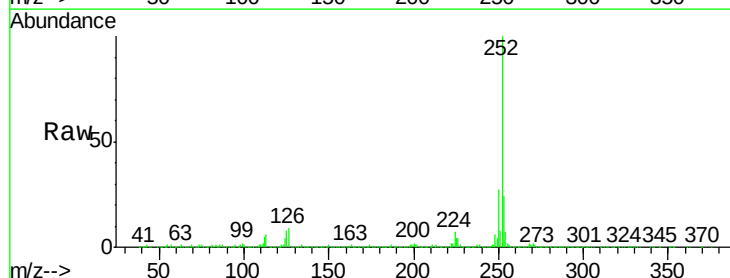
Instrument :
BNA_F
ClientSampleId :
DS-4

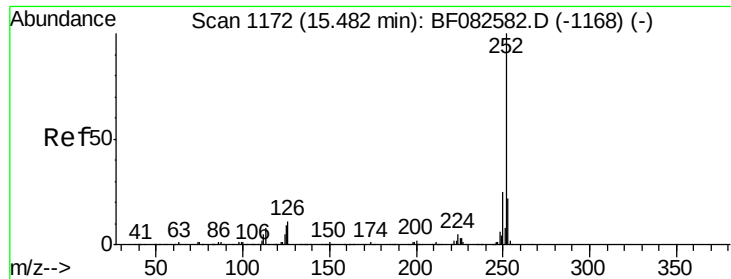
Tgt Ion:252 Resp: 3359622
Ion Ratio Lower Upper
252 100
253 23.9 17.8 26.8
125 8.4 5.4 8.2#



#88
Benzo(k)fluoranthene
Concen: 155.26 ng
RT: 15.13 min Scan# 1141
Delta R.T. -0.03 min
Lab File: BF082641.D
Acq: 2 Nov 2015 20:05

Tgt Ion:252 Resp: 3359622
Ion Ratio Lower Upper
252 100
253 23.9 17.9 26.9
125 8.4 3.5 5.3#





#89

Benzo(a)pyrene

Concen: 76.73 ng

RT: 15.48 min Scan# 1172

Delta R.T. 0.00 min

Lab File: BF082641.D

Acq: 2 Nov 2015 20:05

Instrument :

BNA_F

ClientSampleId :

DS-4

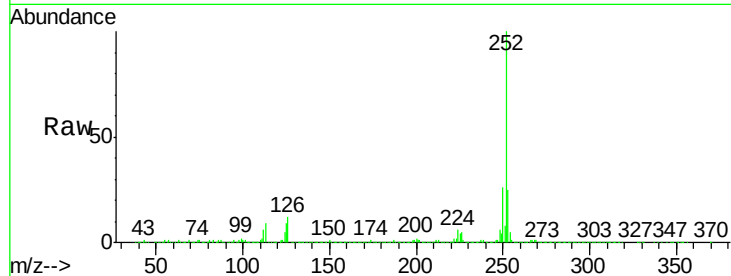
Tgt Ion:252 Resp: 1716471

Ion Ratio Lower Upper

252 100

253 24.7 17.3 25.9

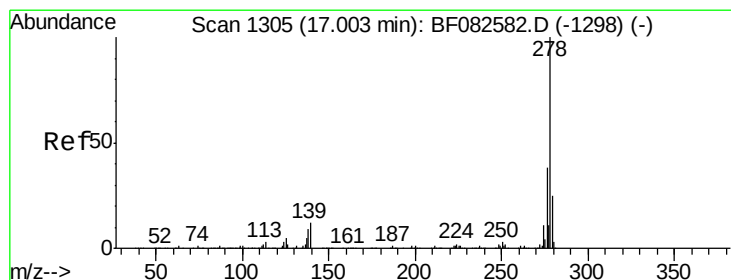
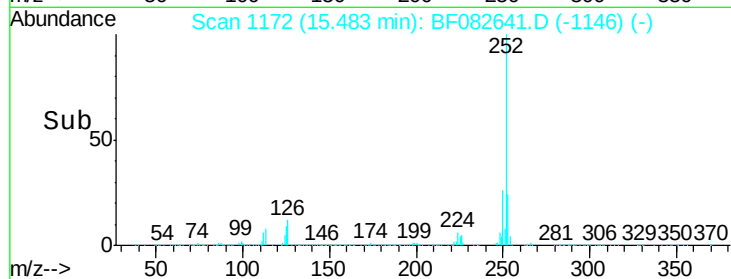
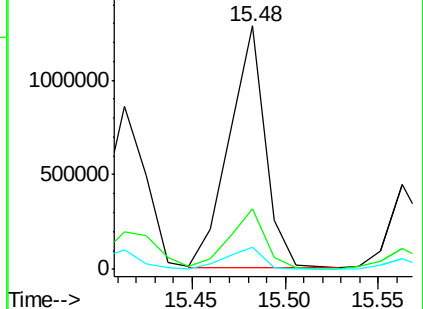
125 9.3 7.1 10.7



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: 14.17 ng

RT: 16.98 min Scan# 1303

Delta R.T. -0.02 min

Lab File: BF082641.D

Acq: 2 Nov 2015 20:05

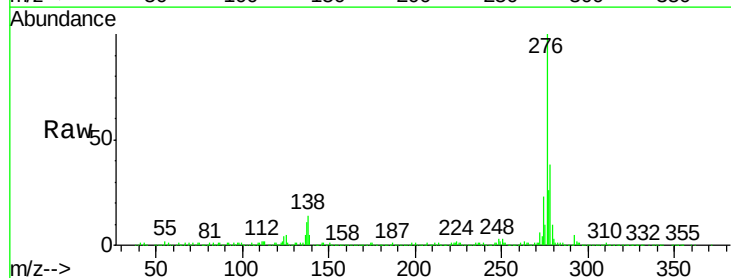
Tgt Ion:278 Resp: 295708

Ion Ratio Lower Upper

278 100

139 12.0 9.9 14.9

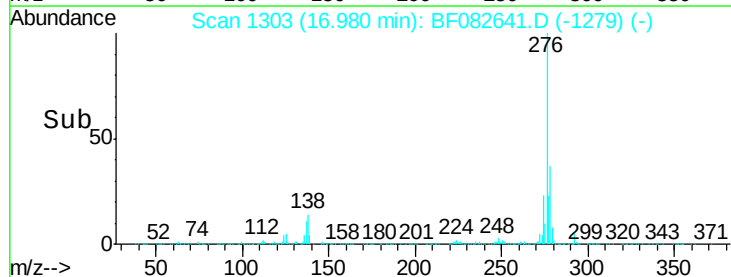
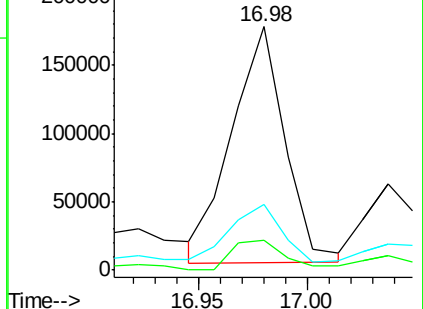
279 27.1 19.6 29.4

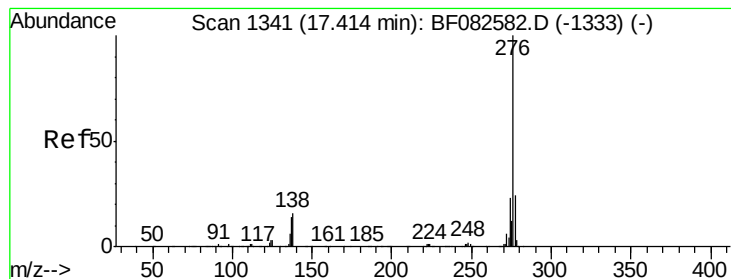


Abundance Ion 278.00 (277.70 to 278.70): E

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: 53.58 ng

RT: 17.40 min Scan# 1340

Delta R.T. -0.01 min

Lab File: BF082641.D

Acq: 2 Nov 2015 20:05

Instrument :

BNA_F

ClientSampleId :

DS-4

Tgt Ion:276 Resp: 1083831

Ion Ratio Lower Upper

276 100

277 24.1 19.2 28.8

138 16.9 13.1 19.7

