

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032816\
 Data File : BF085804.D
 Acq On : 28 Mar 2016 16:28
 Operator : UM/SJ
 Sample : H1941-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-7

Quant Time: Mar 29 03:33:46 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 28 15:27:05 2016
 Response via : Initial Calibration

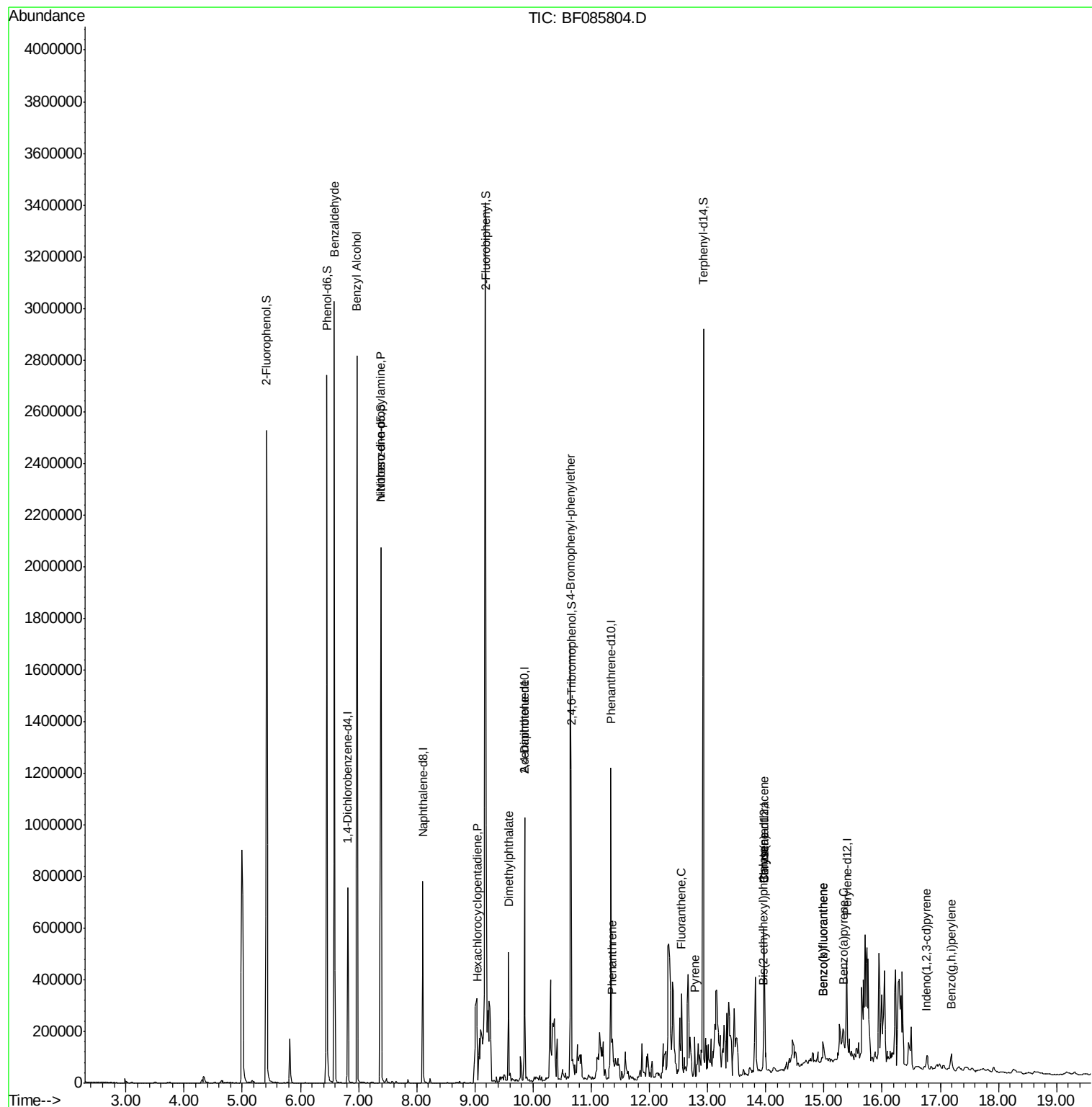
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	111143	20.00	ng	-0.01
21) Naphthalene-d8	8.10	136	434627	20.00	ng	-0.01
38) Acenaphthene-d10	9.85	164	192280	20.00	ng	-0.01
63) Phenanthrene-d10	11.34	188	355732	20.00	ng	-0.01
75) Chrysene-d12	13.97	240	205987	20.00	ng	-0.01
86) Perylene-d12	15.40	264	200387	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	903918	135.45	ng	0.01
7) Phenol-d6	6.46	99	1198091	141.20	ng	0.00
23) Nitrobenzene-d5	7.38	82	767000	99.38	ng	-0.01
41) 2,4,6-Tribromophenol	10.65	330	300313	164.39	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	1113702	96.77	ng	-0.01
78) Terphenyl-d14	12.93	244	1019233	101.76	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.58	77	19895	3.89	ng	81
15) Benzyl Alcohol	6.97	79	13123	2.32	ng	# 45
19) n-Nitroso-di-n-propylamine	7.38	70	103125	20.30	ng	# 77
37) 2-Methylnaphthalene	8.81	142	898	Below Cal		# 86
40) Hexachlorocyclopentadiene	9.04	237	672	9.44	ng	92
49) Dimethylphthalate	9.58	163	237141	16.26	ng	98
56) 2,4-Dinitrotoluene	9.85	165	24244	6.07	ng	# 37
66) 4-Bromophenyl-phenylether	10.64	248	18782	5.16	ng	# 1
70) Phenanthrene	11.36	178	53375	2.92	ng	96
74) Fluoranthene	12.55	202	76952	3.96	ng	92
77) Pyrene	12.78	202	73416	4.34	ng	99
80) Benzo(a)anthracene	13.97	228	31529	2.68	ng	92
82) Chrysene	13.97	228	31529	2.66	ng	96
83) Bis(2-ethylhexyl)phthalate	13.96	149	22928	2.70	ng	# 97
85) Indeno(1,2,3-cd)pyrene	16.77	276	29793	3.26	ng	96
87) Benzo(b)fluoranthene	14.99	252	49345	3.91	ng	97
88) Benzo(k)fluoranthene	14.99	252	49345	4.34	ng	# 95
89) Benzo(a)pyrene	15.33	252	29792	2.66	ng	# 92
91) Benzo(g,h,i)perylene	17.19	276	46415	4.40	ng	94

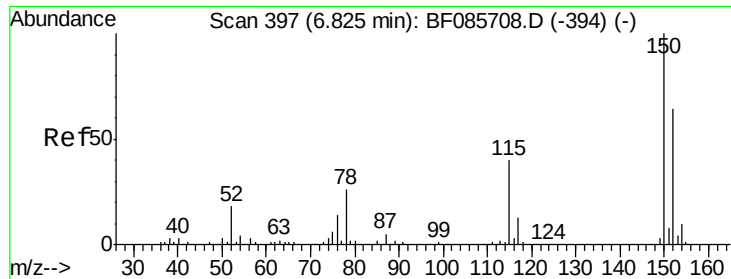
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.81 min Scan# 396

Delta R.T. -0.01 min

Lab File: BF085804.D

Acq: 28 Mar 2016 16:28

Instrument :

BNA_F

ClientSampleId :

SP-7

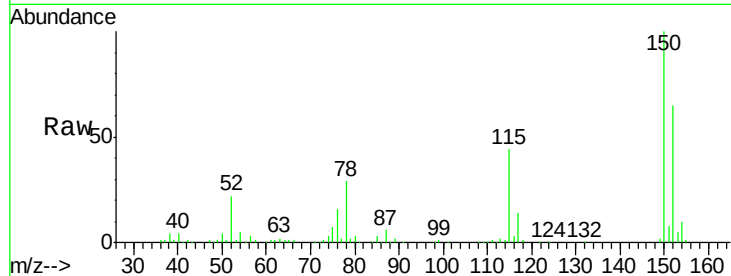
Tgt Ion:152 Resp: 111143

Ion Ratio Lower Upper

152 100

150 153.9 124.2 186.2

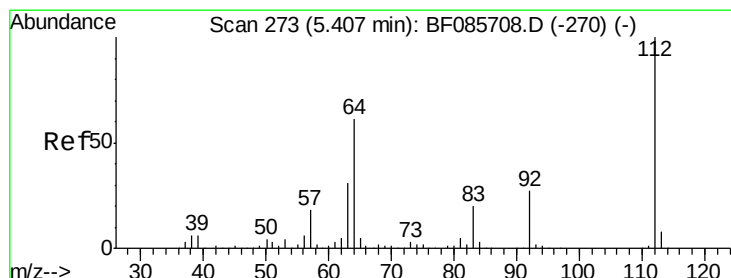
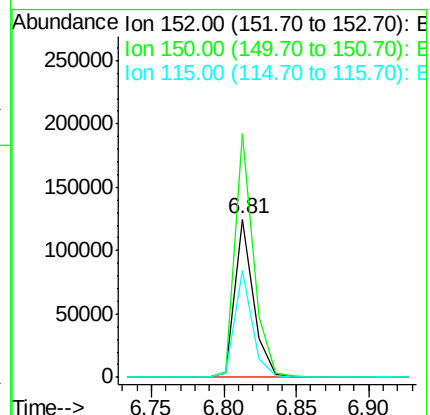
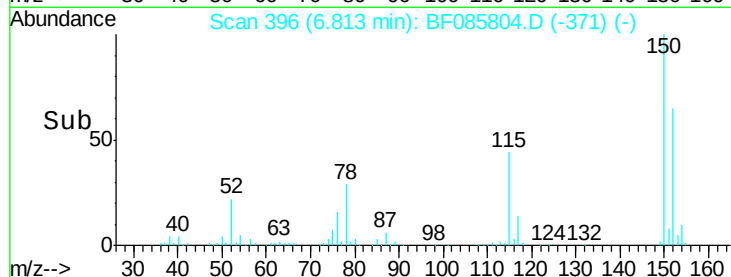
115 67.2 47.0 70.6



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: 135.45 ng

RT: 5.42 min Scan# 274

Delta R.T. 0.01 min

Lab File: BF085804.D

Acq: 28 Mar 2016 16:28

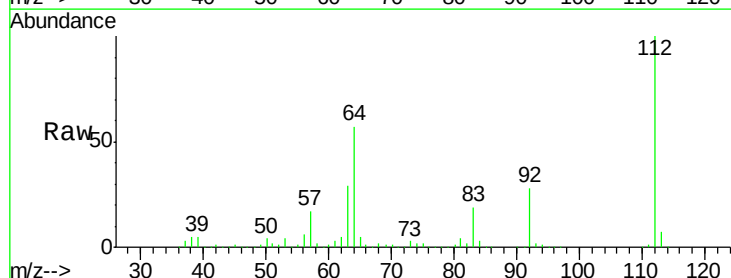
Tgt Ion:112 Resp: 903918

Ion Ratio Lower Upper

112 100

64 57.0 39.9 59.9

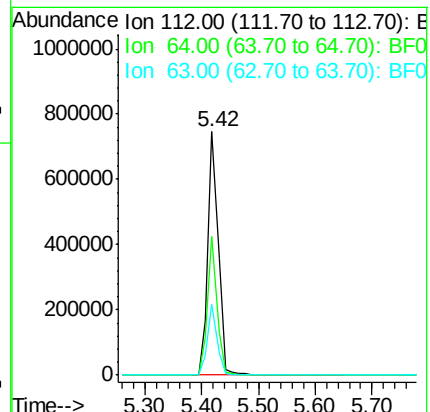
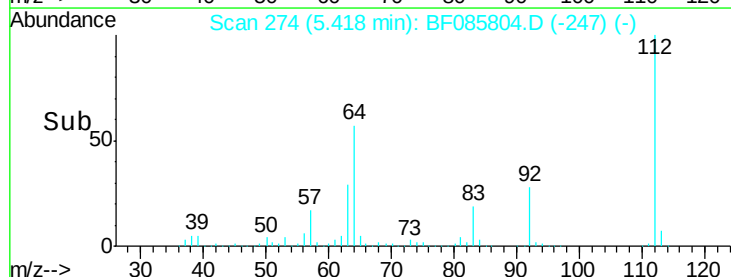
63 29.0 20.2 30.2

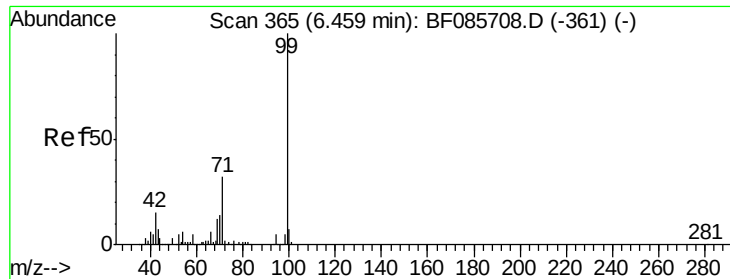


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 141.20 ng

RT: 6.46 min Scan# 365

Delta R.T. -0.00 min

Lab File: BF085804.D

Acq: 28 Mar 2016 16:28

Instrument :

BNA_F

ClientSampled :

SP-7

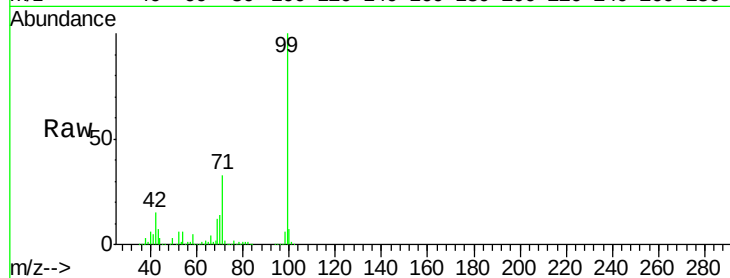
Tgt Ion: 99 Resp: 1198091

Ion Ratio Lower Upper

99 100

42 15.0 11.1 16.7

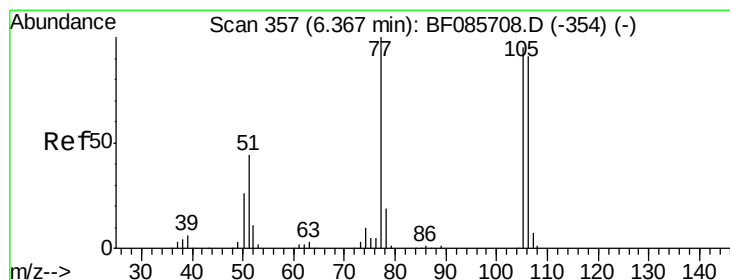
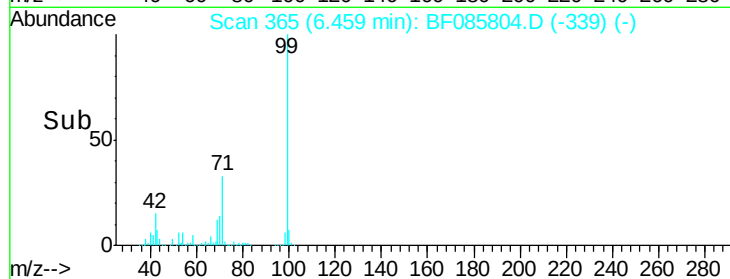
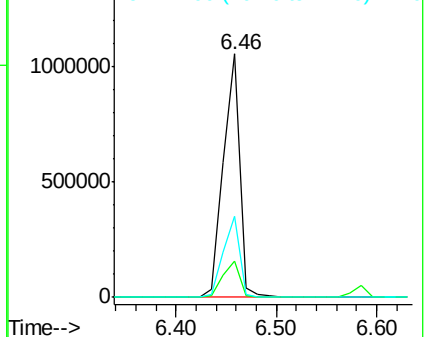
71 33.1 24.9 37.3



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



#9

Benzaldehyde

Concen: 3.89 ng

RT: 6.58 min Scan# 376

Delta R.T. 0.22 min

Lab File: BF085804.D

Acq: 28 Mar 2016 16:28

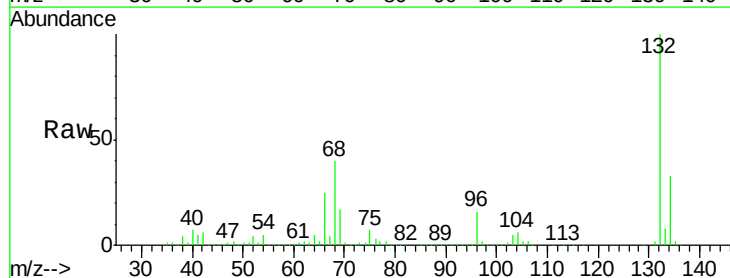
Tgt Ion: 77 Resp: 19895

Ion Ratio Lower Upper

77 100

105 81.3 80.1 120.1

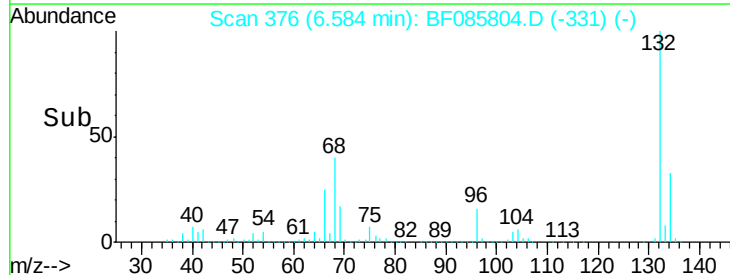
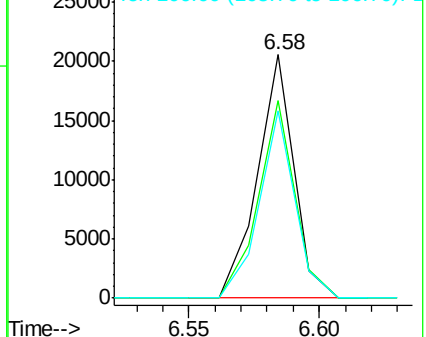
106 77.1 75.0 115.0

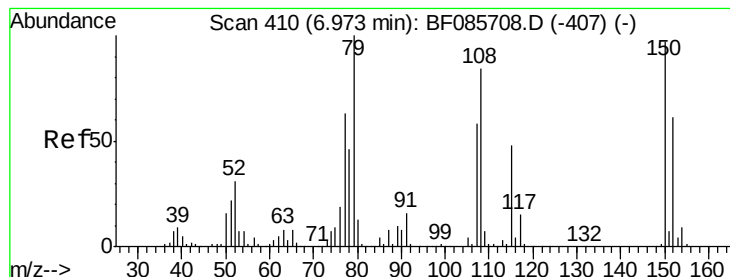


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B





#15

Benzyl Alcohol

Concen: 2.32 ng

RT: 6.97 min Scan# 410

Delta R.T. -0.00 min

Lab File: BF085804.D

Acq: 28 Mar 2016 16:28

Instrument :

BNA_F

ClientSampleId :

SP-7

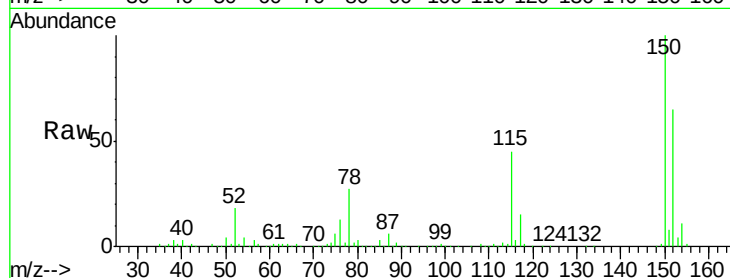
Tgt Ion: 79 Resp: 13123

Ion Ratio Lower Upper

79 100

108 34.1 61.8 92.6#

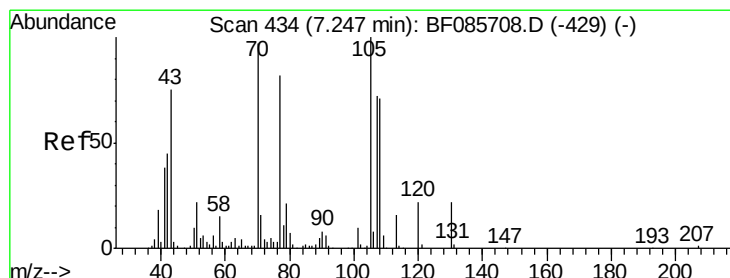
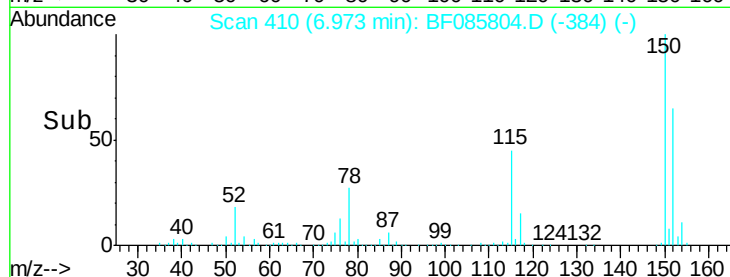
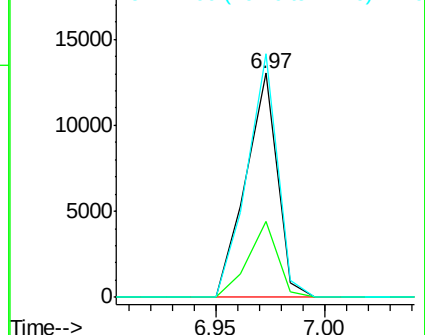
77 108.7 49.6 74.4#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 20.30 ng

RT: 7.38 min Scan# 446

Delta R.T. 0.14 min

Lab File: BF085804.D

Acq: 28 Mar 2016 16:28

Tgt Ion: 70 Resp: 103125

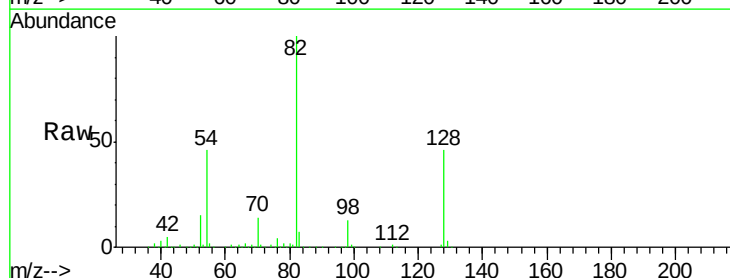
Ion Ratio Lower Upper

70 100

42 40.0 37.1 55.7

101 0.0 8.6 12.8#

130 2.2 19.6 29.4#

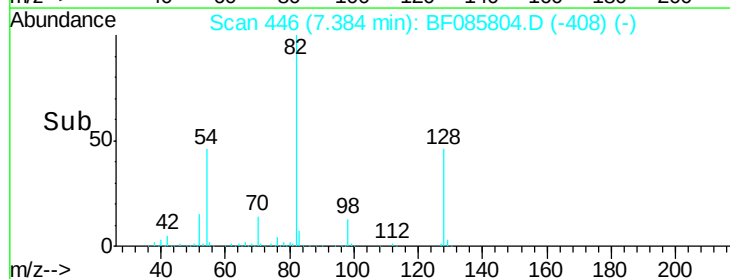
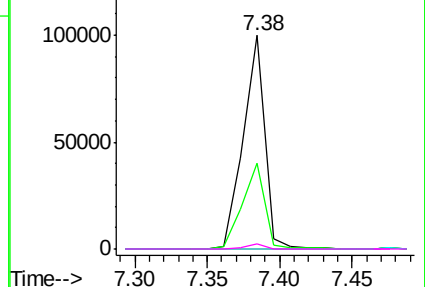


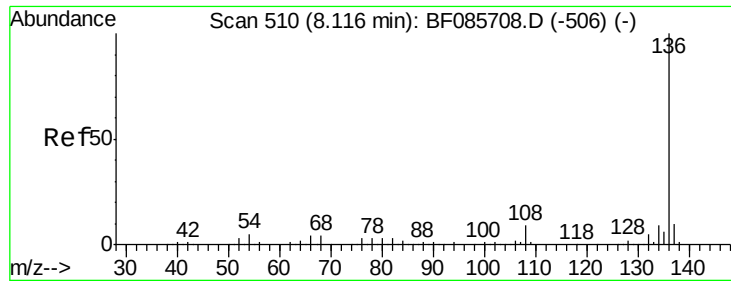
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

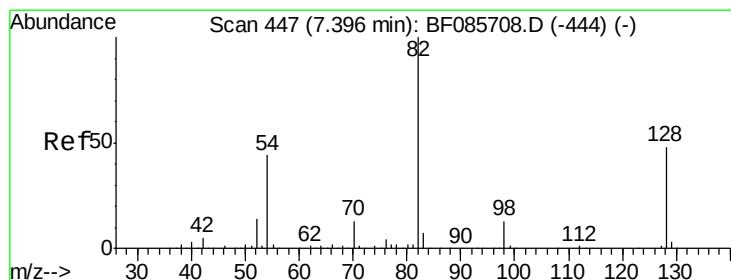
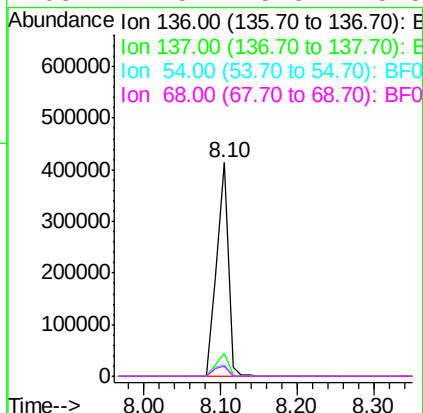
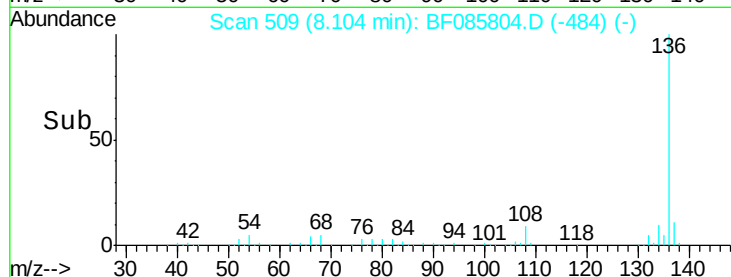
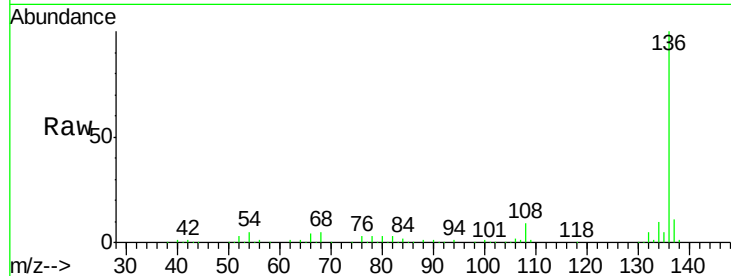




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.10 min Scan# 509
Delta R.T. -0.01 min
Lab File: BF085804.D
Acq: 28 Mar 2016 16:28

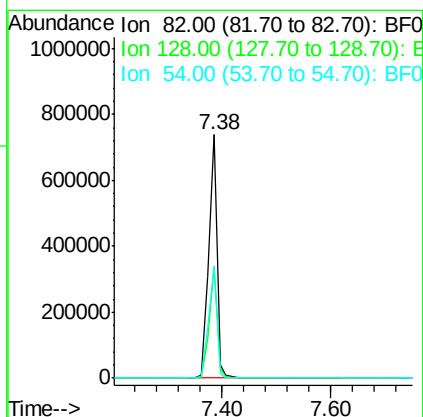
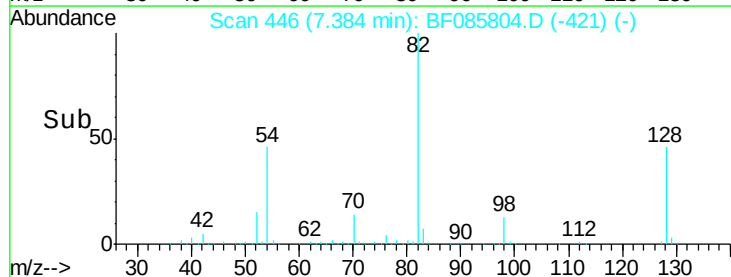
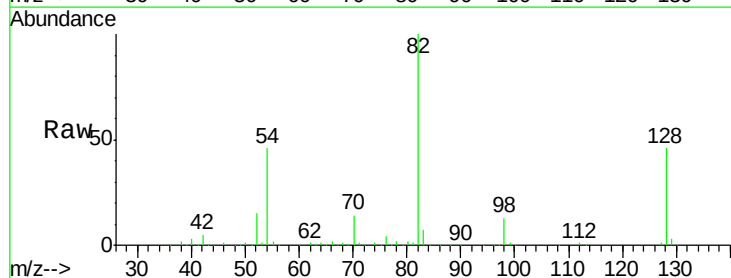
Instrument :
BNA_F
ClientSampleId :
SP-7

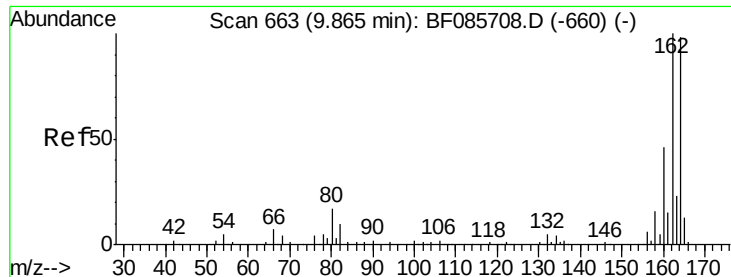
Tgt Ion:	136	Resp:	434627
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.1	13.7
54	5.3	7.4	11.0#
68	4.5	5.8	8.8#



#23
Nitrobenzene-d5
Concen: 99.38 ng
RT: 7.38 min Scan# 446
Delta R.T. -0.01 min
Lab File: BF085804.D
Acq: 28 Mar 2016 16:28

Tgt Ion:	82	Resp:	767000
Ion	Ratio	Lower	Upper
82	100		
128	45.8	41.8	62.8
54	45.8	33.4	50.0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.85 min Scan# 662

Delta R.T. -0.01 min

Lab File: BF085804.D

Acq: 28 Mar 2016 16:28

Instrument :

BNA_F

ClientSampleId :

SP-7

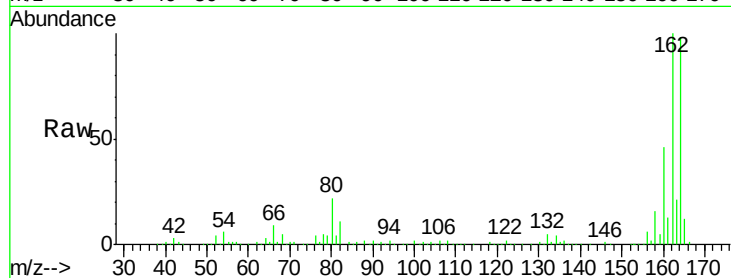
Tgt Ion:164 Resp: 192280

Ion Ratio Lower Upper

164 100

162 101.5 82.1 123.1

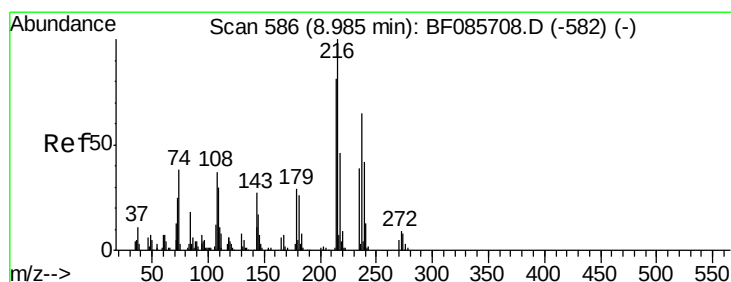
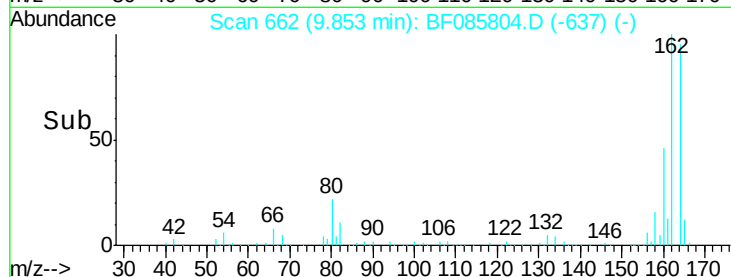
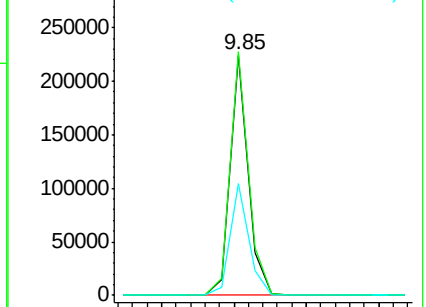
160 46.9 37.4 56.2



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



#40

Hexachlorocyclopentadiene

Concen: 9.44 ng

RT: 9.04 min Scan# 591

Delta R.T. 0.06 min

Lab File: BF085804.D

Acq: 28 Mar 2016 16:28

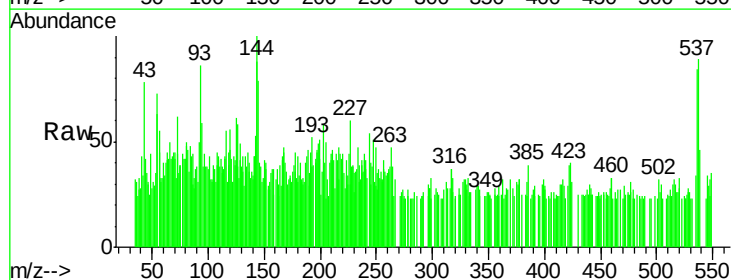
Tgt Ion:237 Resp: 672

Ion Ratio Lower Upper

237 100

235 60.4 43.7 83.7

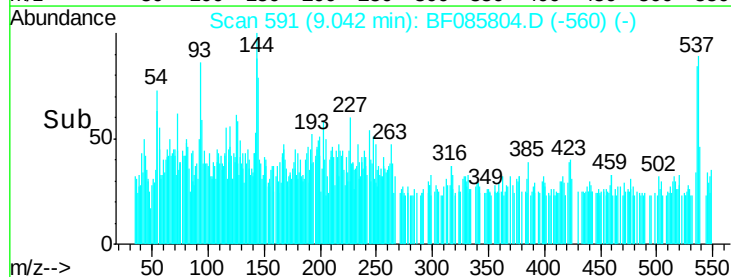
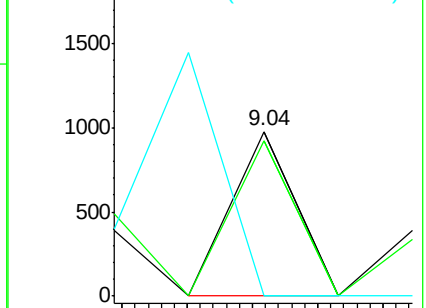
272 0.0 0.0 31.9

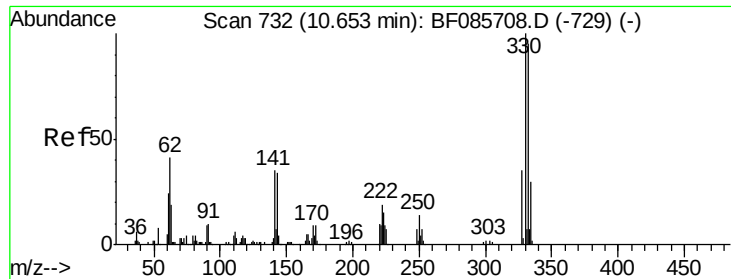


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

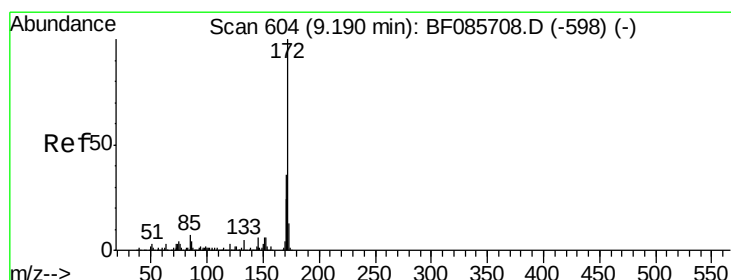
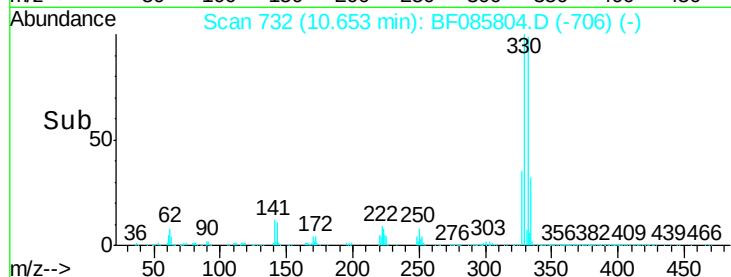
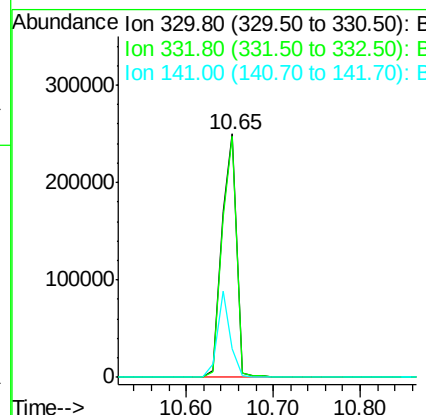
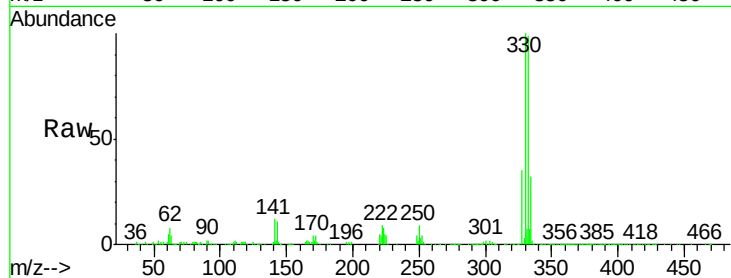




#41
2,4,6-Tribromophenol
Concen: 164.39 ng
RT: 10.65 min Scan# 732
Delta R.T. -0.00 min
Lab File: BF085804.D
Acq: 28 Mar 2016 16:28

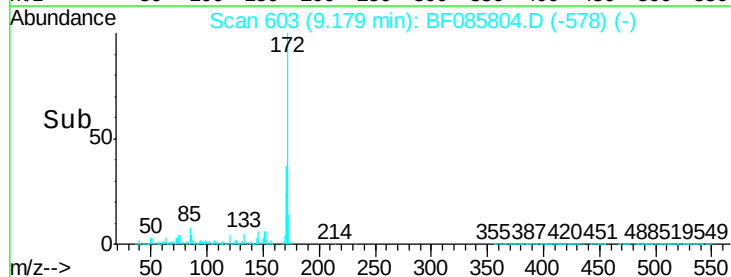
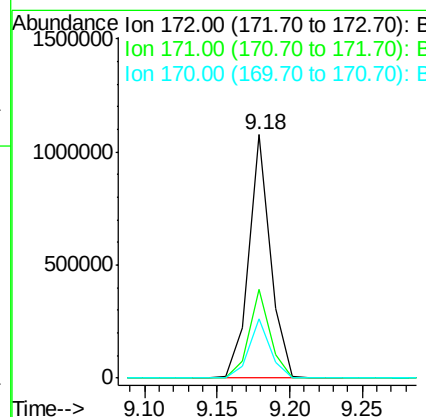
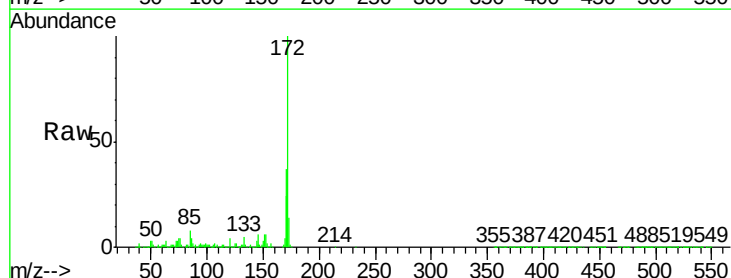
Instrument :
BNA_F
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SP-7

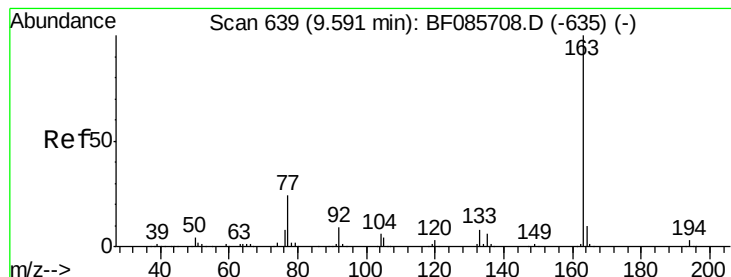
Tgt Ion:330 Resp: 300313
Ion Ratio Lower Upper
330 100
332 97.9 78.2 117.2
141 31.1 31.5 47.3#



#44
2-Fluorobiphenyl
Concen: 96.77 ng
RT: 9.18 min Scan# 603
Delta R.T. -0.01 min
Lab File: BF085804.D
Acq: 28 Mar 2016 16:28

Tgt Ion:172 Resp: 1113702
Ion Ratio Lower Upper
172 100
171 36.6 29.4 44.2
170 24.4 19.8 29.6





#49

Dimethylphthalate

Concen: 16.26 ng

RT: 9.58 min Scan# 638

Delta R.T. -0.01 min

Lab File: BF085804.D

Acq: 28 Mar 2016 16:28

Instrument :

BNA_F

ClientSampleId :

SP-7

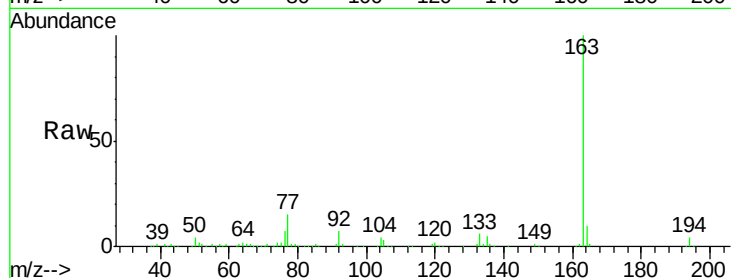
Tgt Ion:163 Resp: 237141

Ion Ratio Lower Upper

163 100

194 3.8 2.9 4.3

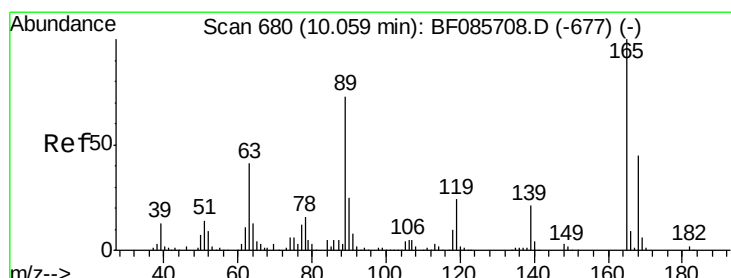
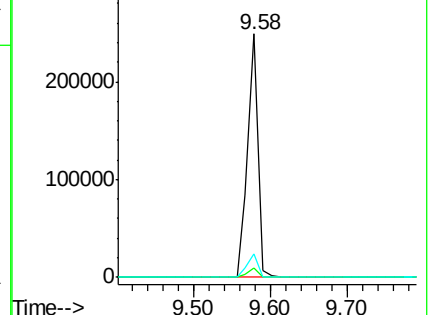
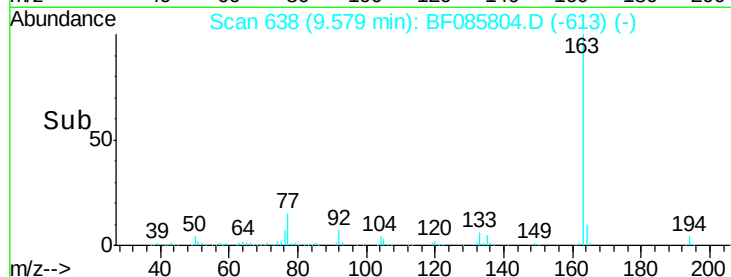
164 9.6 8.3 12.5



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



#56

2,4-Dinitrotoluene

Concen: 6.07 ng

RT: 9.85 min Scan# 662

Delta R.T. -0.21 min

Lab File: BF085804.D

Acq: 28 Mar 2016 16:28

Tgt Ion:165 Resp: 24244

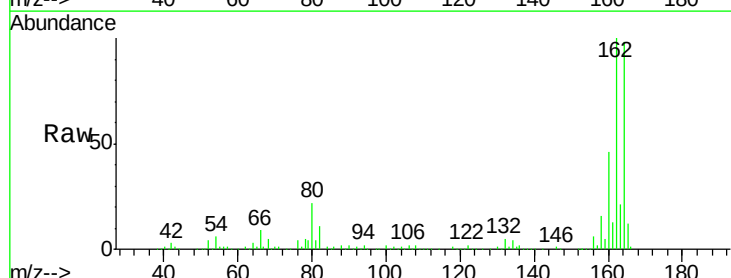
Ion Ratio Lower Upper

165 100

63 1.4 24.9 37.3#

89 1.5 41.0 61.6#

182 0.0 2.1 3.1#

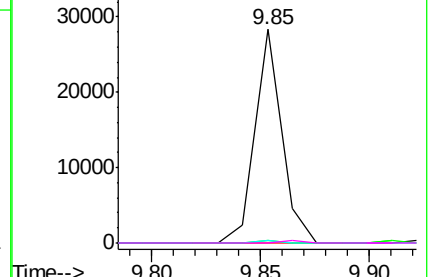
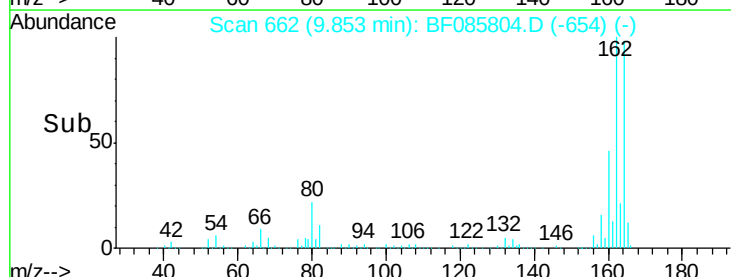


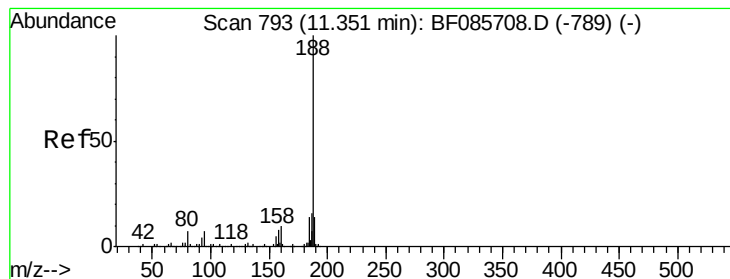
Abundance Ion 165.00 (164.70 to 165.70): E

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





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.34 min Scan# 792

Delta R.T. -0.01 min

Lab File: BF085804.D

Acq: 28 Mar 2016 16:28

Instrument :

BNA_F

ClientSampleId :

SP-7

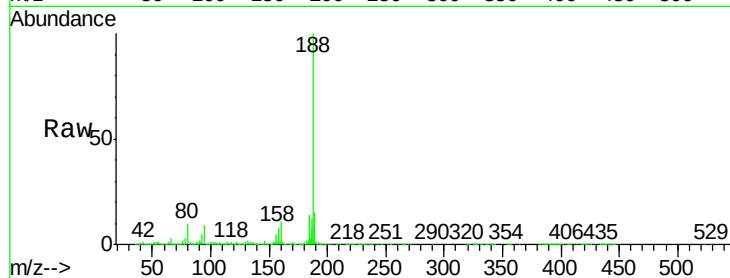
Tgt Ion:188 Resp: 355732

Ion Ratio Lower Upper

188 100

94 9.5 5.4 8.0#

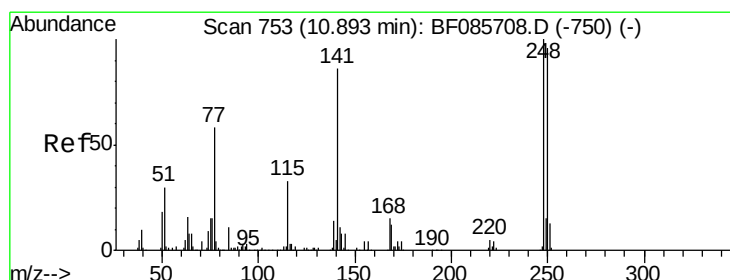
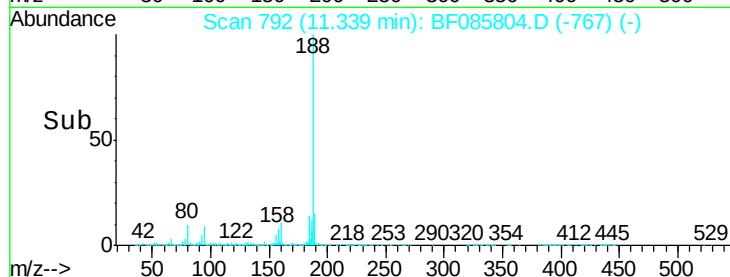
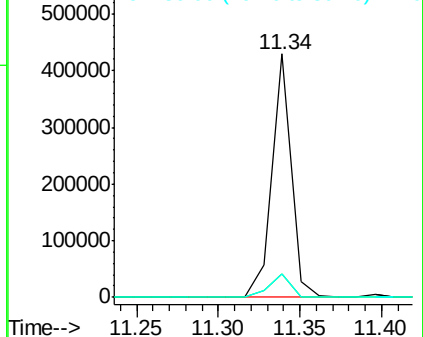
80 9.6 5.5 8.3#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#66

4-Bromophenyl-phenylether

Concen: 5.16 ng

RT: 10.64 min Scan# 731

Delta R.T. -0.25 min

Lab File: BF085804.D

Acq: 28 Mar 2016 16:28

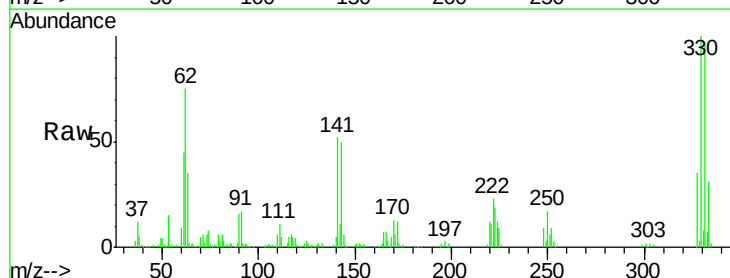
Tgt Ion:248 Resp: 18782

Ion Ratio Lower Upper

248 100

250 196.4 77.4 116.0#

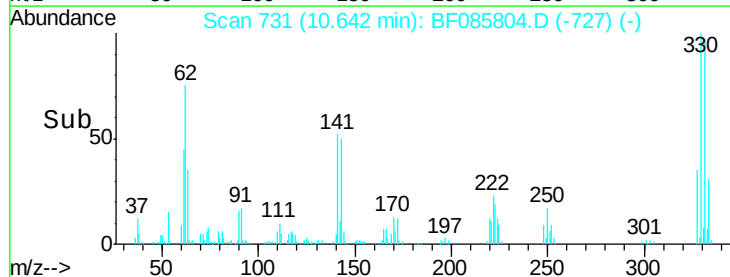
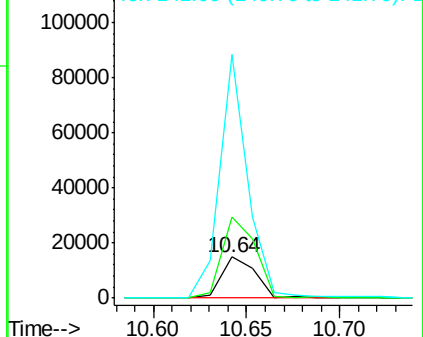
141 590.5 63.6 95.4#

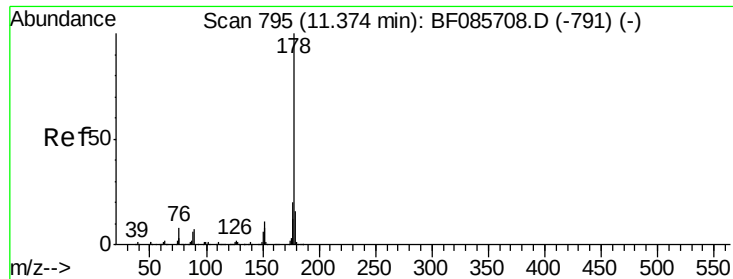


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

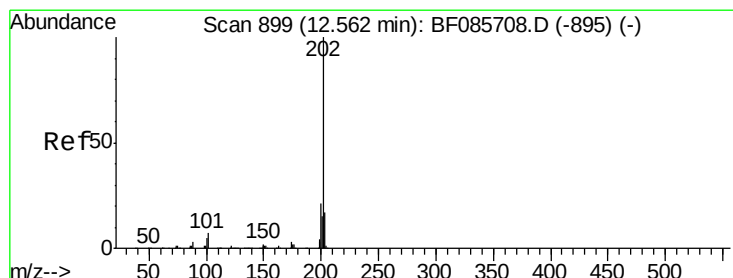
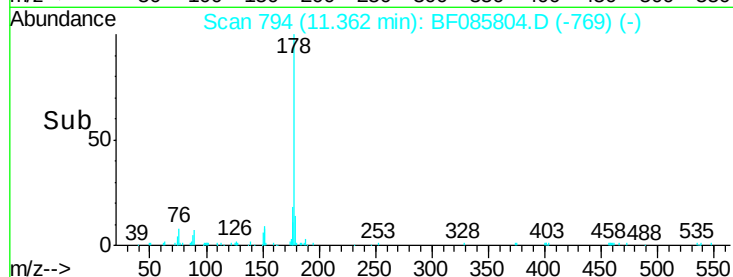
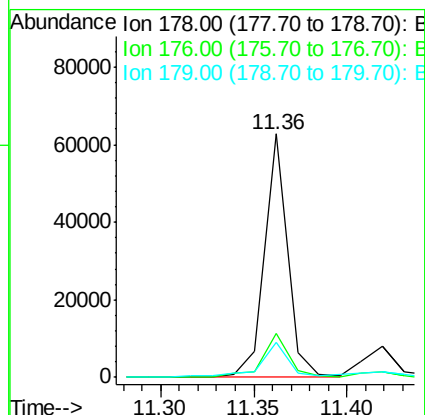
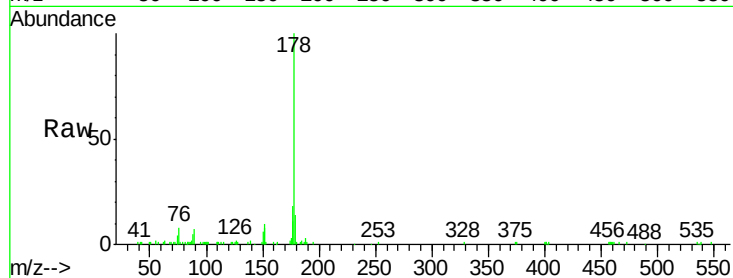




#70
Phenanthrene
Concen: 2.92 ng
RT: 11.36 min Scan# 794
Delta R.T. -0.01 min
Lab File: BF085804.D
Acq: 28 Mar 2016 16:28

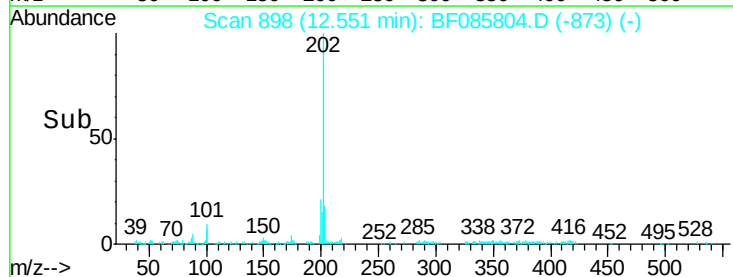
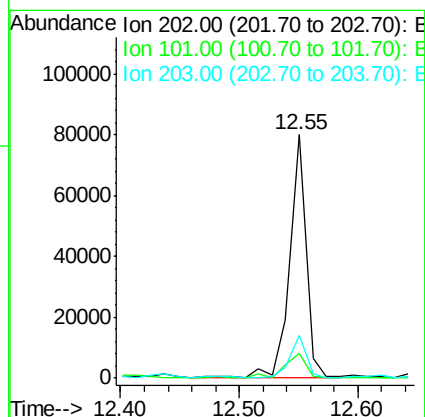
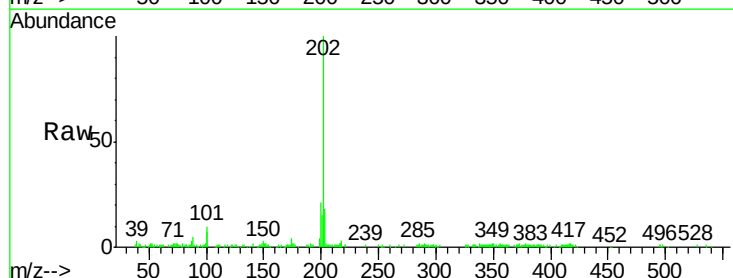
Instrument :
BNA_F
ClientSampleId :
SP-7

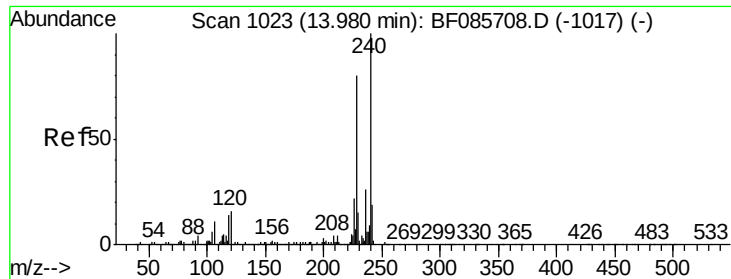
Tgt Ion:178 Resp: 53375
Ion Ratio Lower Upper
178 100
176 18.2 16.3 24.5
179 14.3 12.6 18.8



#74
Fluoranthene
Concen: 3.96 ng
RT: 12.55 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF085804.D
Acq: 28 Mar 2016 16:28

Tgt Ion:202 Resp: 76952
Ion Ratio Lower Upper
202 100
101 10.0 0.0 36.6
203 17.6 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.97 min Scan# 1022

Delta R.T. -0.01 min

Lab File: BF085804.D

Acq: 28 Mar 2016 16:28

Instrument :

BNA_F

ClientSampleId :

SP-7

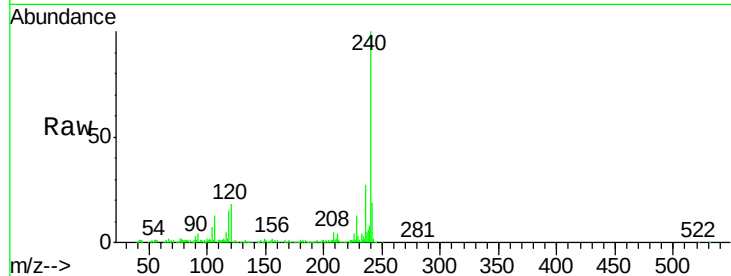
Tgt Ion:240 Resp: 205987

Ion Ratio Lower Upper

240 100

120 18.3 13.8 20.8

236 26.6 20.6 30.8



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

13.97

200000

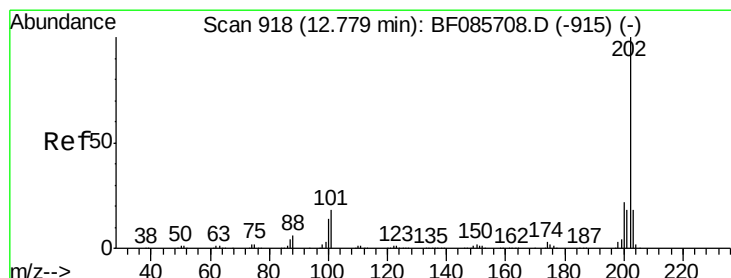
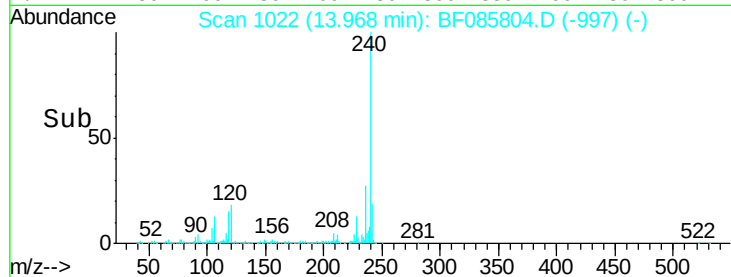
150000

100000

50000

0

Time-->



#77

Pyrene

Concen: 4.34 ng

RT: 12.78 min Scan# 918

Delta R.T. -0.00 min

Lab File: BF085804.D

Acq: 28 Mar 2016 16:28

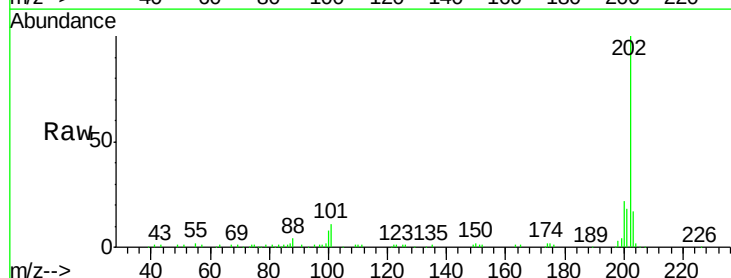
Tgt Ion:202 Resp: 73416

Ion Ratio Lower Upper

202 100

200 21.7 17.6 26.4

203 16.9 14.0 21.0



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

12.78

100000

80000

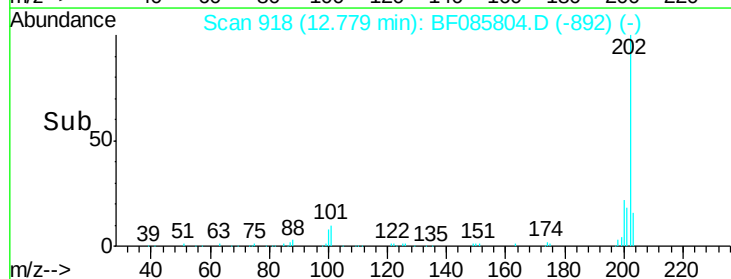
60000

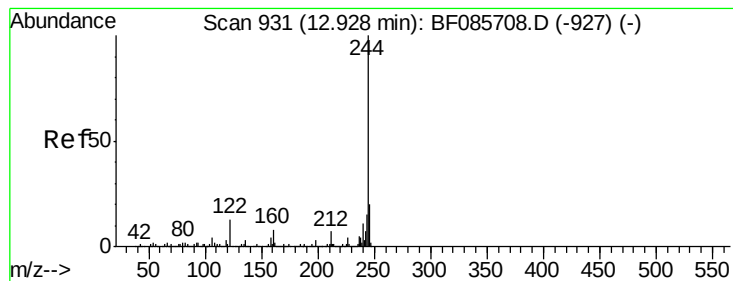
40000

20000

0

Time-->





#78

Terphenyl-d14

Concen: 101.76 ng

RT: 12.93 min Scan# 931

Delta R.T. -0.00 min

Lab File: BF085804.D

Acq: 28 Mar 2016 16:28

Instrument :

BNA_F

ClientSampleId :

SP-7

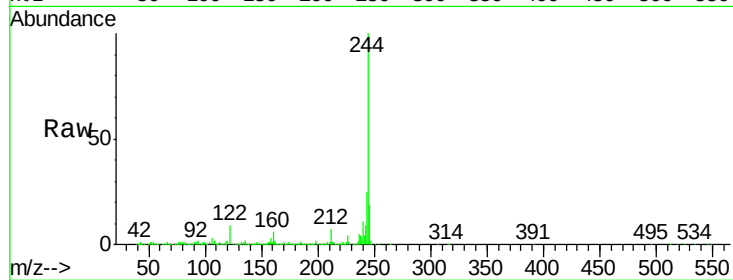
Tgt Ion:244 Resp: 1019233

Ion Ratio Lower Upper

244 100

212 7.0 6.1 9.1

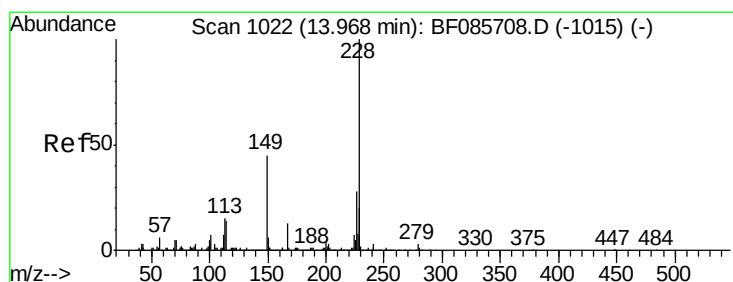
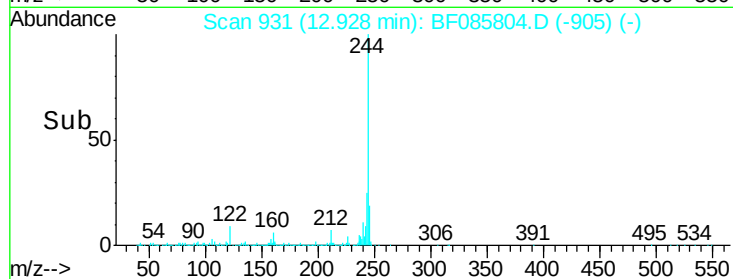
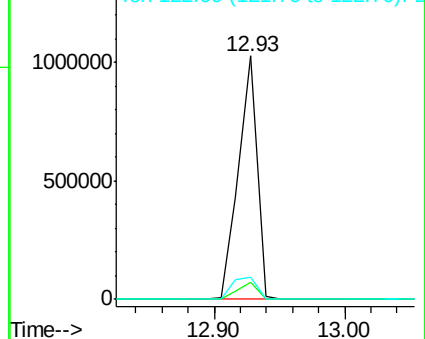
122 9.1 10.2 15.4#



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: 2.68 ng

RT: 13.97 min Scan# 1022

Delta R.T. -0.00 min

Lab File: BF085804.D

Acq: 28 Mar 2016 16:28

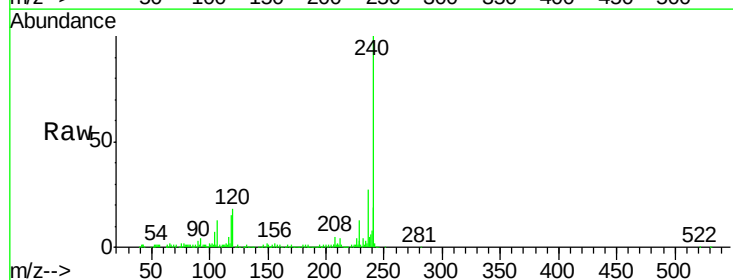
Tgt Ion:228 Resp: 31529

Ion Ratio Lower Upper

228 100

226 32.5 22.1 33.1

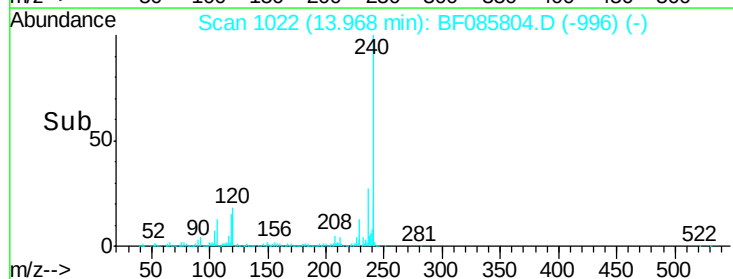
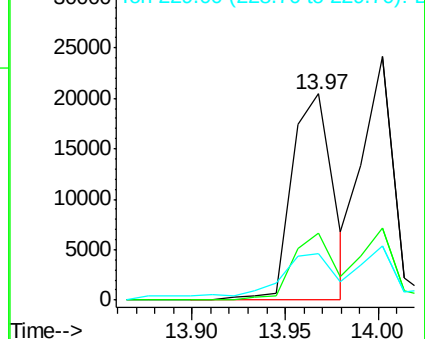
229 22.7 16.2 24.4

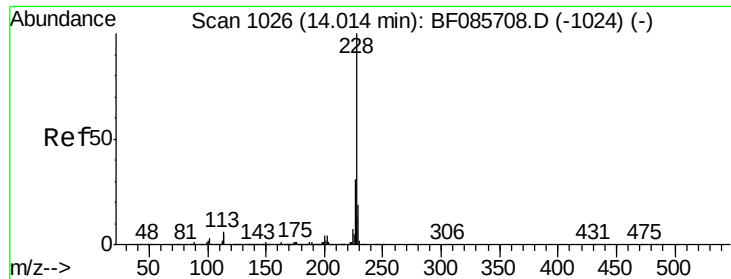


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.66 ng

RT: 13.97 min Scan# 1022

Delta R.T. -0.05 min

Lab File: BF085804.D

Acq: 28 Mar 2016 16:28

Instrument :

BNA_F

ClientSampleId :

SP-7

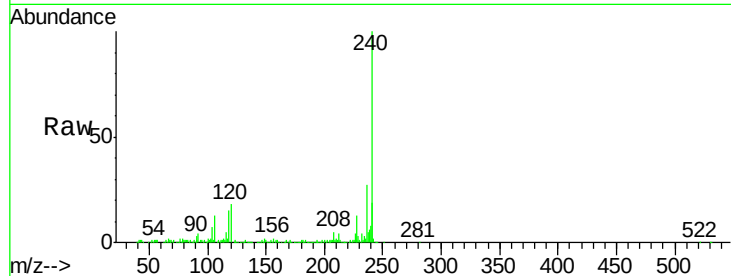
Tgt Ion: 228 Resp: 31529

Ion Ratio Lower Upper

228 100

226 32.5 25.0 37.6

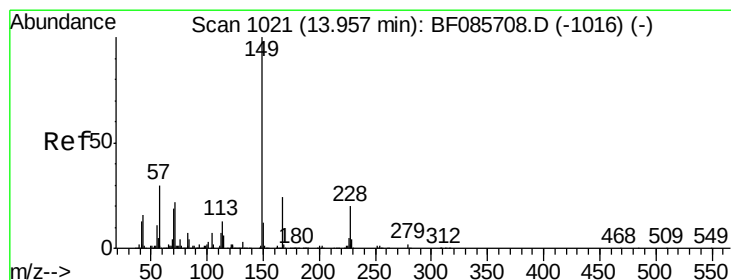
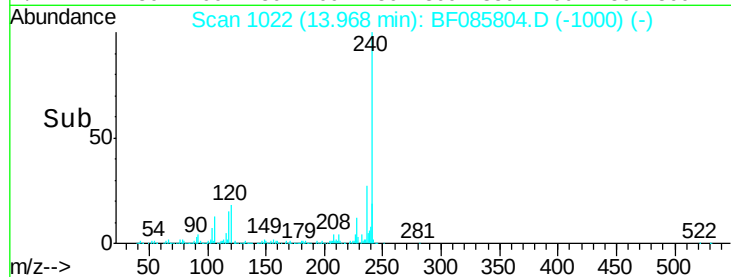
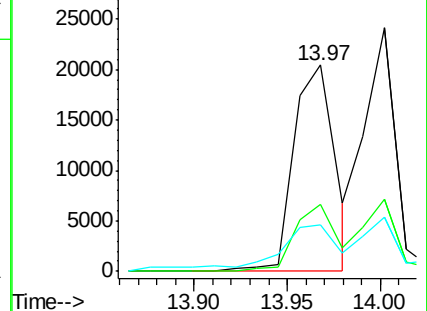
229 22.7 15.7 23.5



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: 2.70 ng

RT: 13.96 min Scan# 1021

Delta R.T. -0.00 min

Lab File: BF085804.D

Acq: 28 Mar 2016 16:28

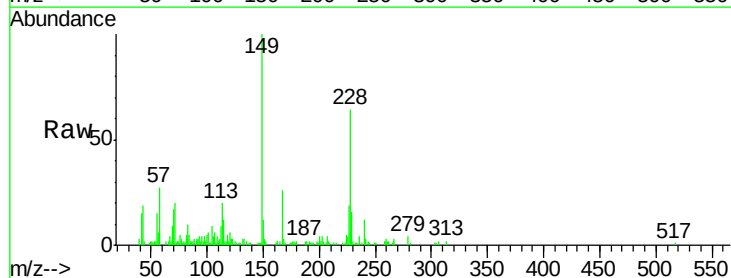
Tgt Ion: 149 Resp: 22928

Ion Ratio Lower Upper

149 100

167 25.9 19.4 29.2

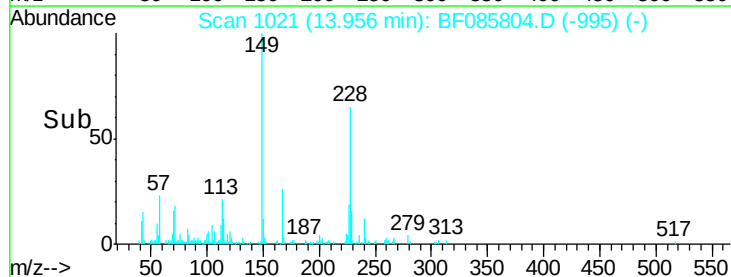
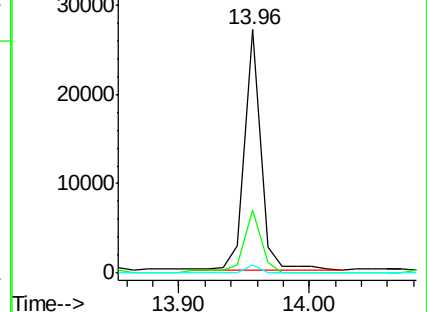
279 3.6 1.5 2.3#

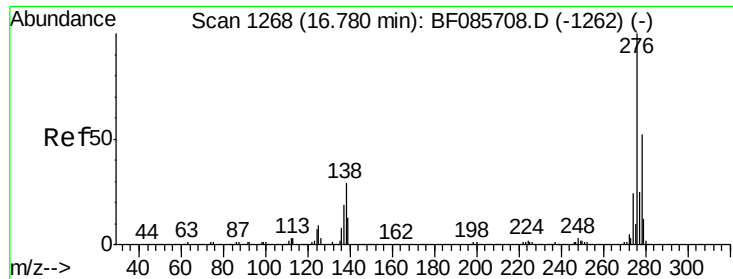


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

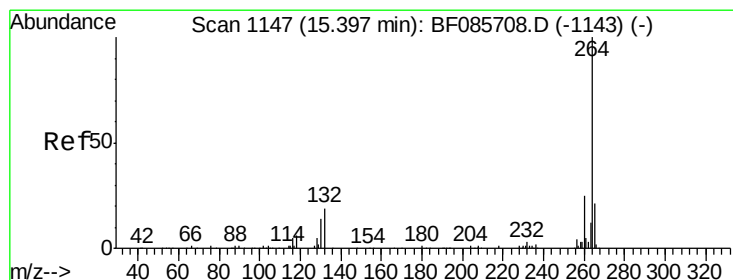
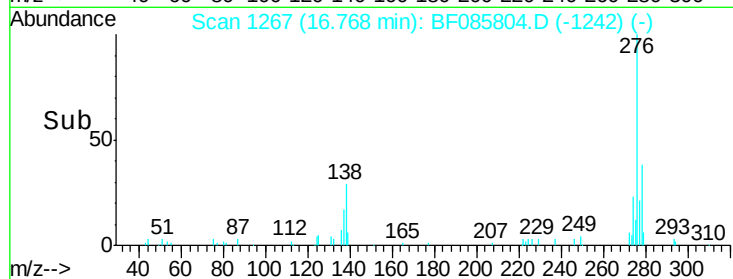
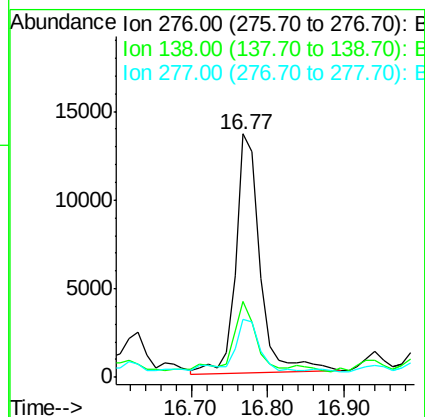
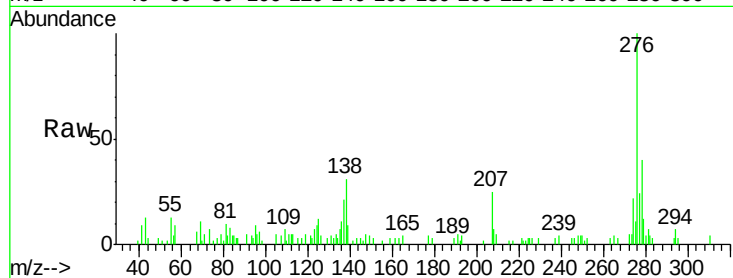




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.26 ng
 RT: 16.77 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: BF085804.D
 Acq: 28 Mar 2016 16:28

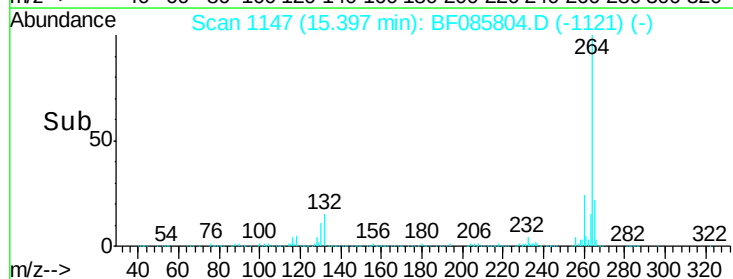
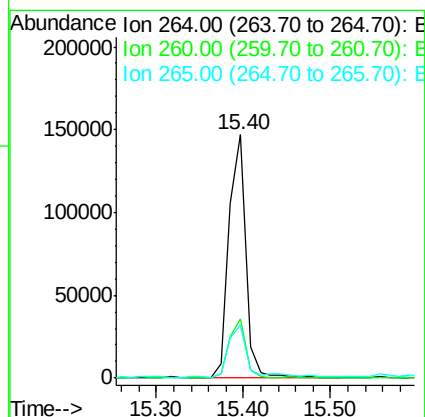
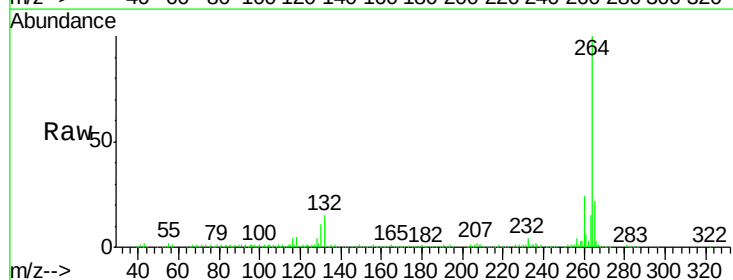
Instrument :
 BNA_F
 ClientSampleId :
 SP-7

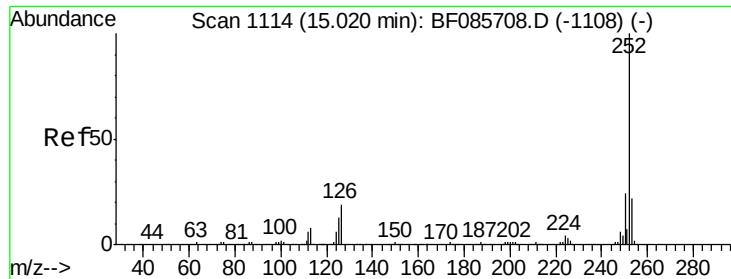
Tgt Ion:	276	Resp:	29793
Ion	Ratio	Lower	Upper
276	100		
138	27.7	24.2	36.4
277	23.3	20.0	30.0



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.40 min Scan# 1147
 Delta R.T. -0.00 min
 Lab File: BF085804.D
 Acq: 28 Mar 2016 16:28

Tgt Ion:	264	Resp:	200387
Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.4	29.2
265	21.8	17.2	25.8

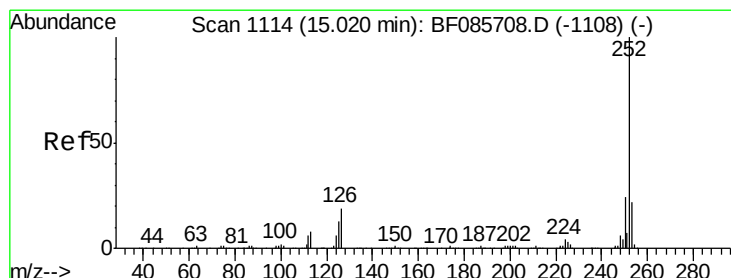
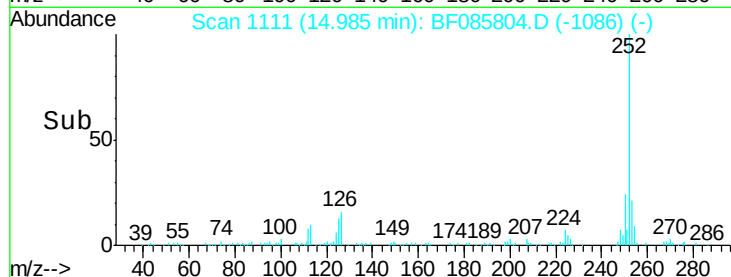
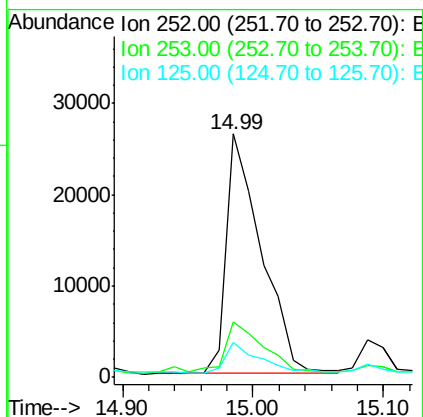
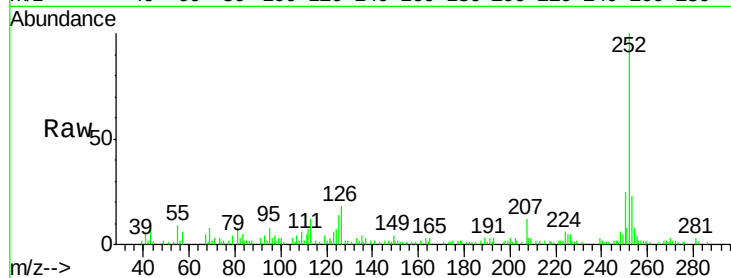




#87
Benzo(b)fluoranthene
Concen: 3.91 ng
RT: 14.99 min Scan# 1111
Delta R.T. -0.01 min
Lab File: BF085804.D
Acq: 28 Mar 2016 16:28

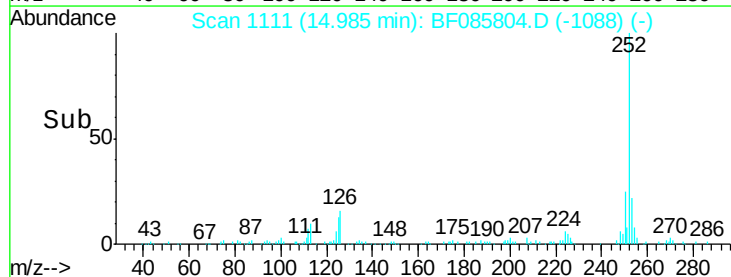
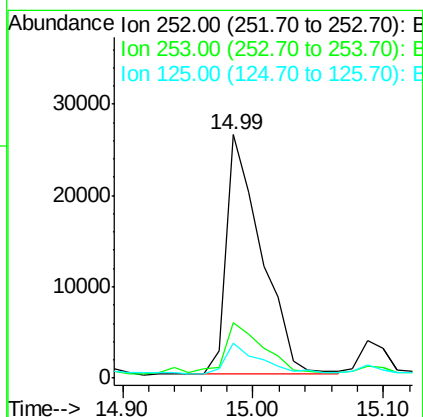
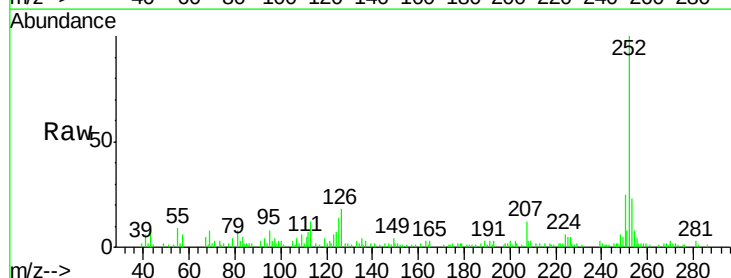
Instrument :
BNA_F
ClientSampleId :
SP-7

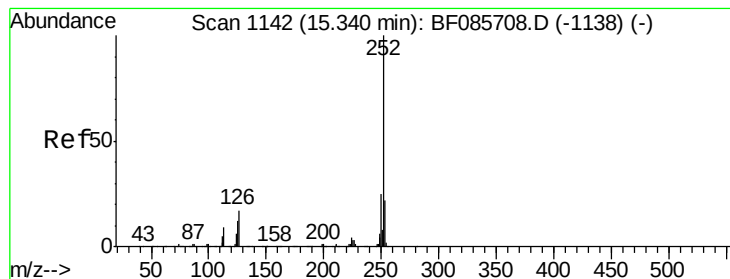
Tgt Ion:252 Resp: 49345
Ion Ratio Lower Upper
252 100
253 22.9 17.6 26.4
125 14.3 10.3 15.5



#88
Benzo(k)fluoranthene
Concen: 4.34 ng
RT: 14.99 min Scan# 1111
Delta R.T. -0.03 min
Lab File: BF085804.D
Acq: 28 Mar 2016 16:28

Tgt Ion:252 Resp: 49345
Ion Ratio Lower Upper
252 100
253 22.9 17.8 26.6
125 14.3 7.7 11.5#





#89

Benzo(a)pyrene

Concen: 2.66 ng

RT: 15.33 min Scan# 1141

Delta R.T. -0.01 min

Lab File: BF085804.D

Acq: 28 Mar 2016 16:28

Instrument :

BNA_F

ClientSampleId :

SP-7

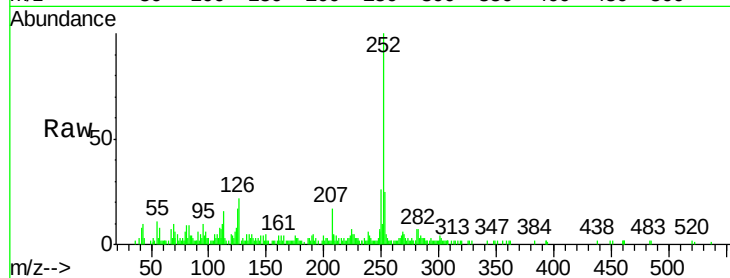
Tgt Ion:252 Resp: 29792

Ion Ratio Lower Upper

252 100

253 24.8 17.4 26.0

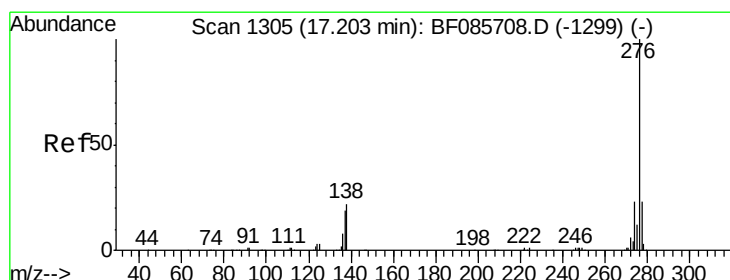
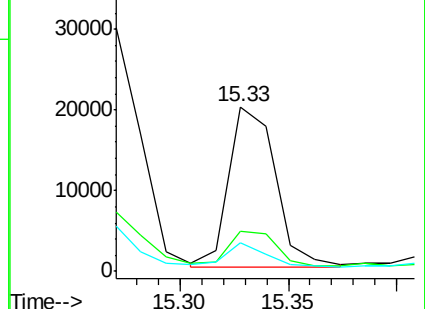
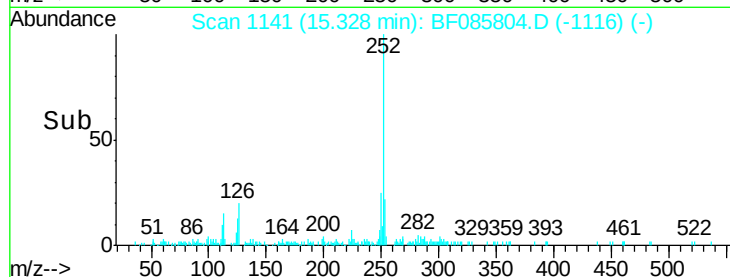
125 17.1 10.3 15.5#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Benzo(g,h,i)perylene

Concen: 4.40 ng

RT: 17.19 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF085804.D

Acq: 28 Mar 2016 16:28

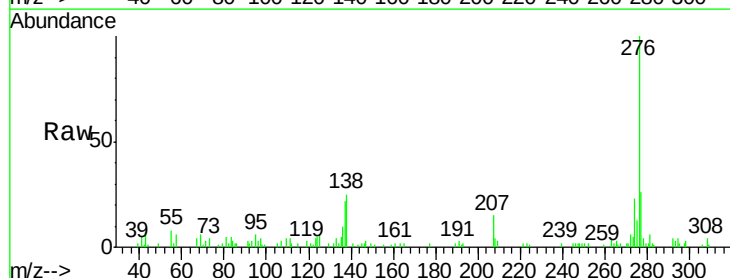
Tgt Ion:276 Resp: 46415

Ion Ratio Lower Upper

276 100

277 26.5 18.8 28.2

138 25.0 22.6 34.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

