

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112015\
 Data File : BF083076.D
 Acq On : 20 Nov 2015 12:21
 Operator : UM/IZ
 Sample : G4436-09
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OS-1601

Quant Time: Nov 20 14:43:25 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 20 01:33:39 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	147656	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	549200	20.00	ng	-0.01
38) Acenaphthene-d10	9.74	164	289490	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	458913	20.00	ng	0.00
75) Chrysene-d12	13.86	240	372361	20.00	ng	0.00
86) Perylene-d12	15.25	264	333524	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.30	112	857339	90.18	ng	0.01
7) Phenol-d6	6.36	99	1440106	115.02	ng	0.01
23) Nitrobenzene-d5	7.26	82	786932	65.60	ng	-0.01
41) 2,4,6-Tribromophenol	10.53	330	218694	71.15	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1210800	56.33	ng	-0.01
78) Terphenyl-d14	12.81	244	898817	56.98	ng	0.00

Target Compounds

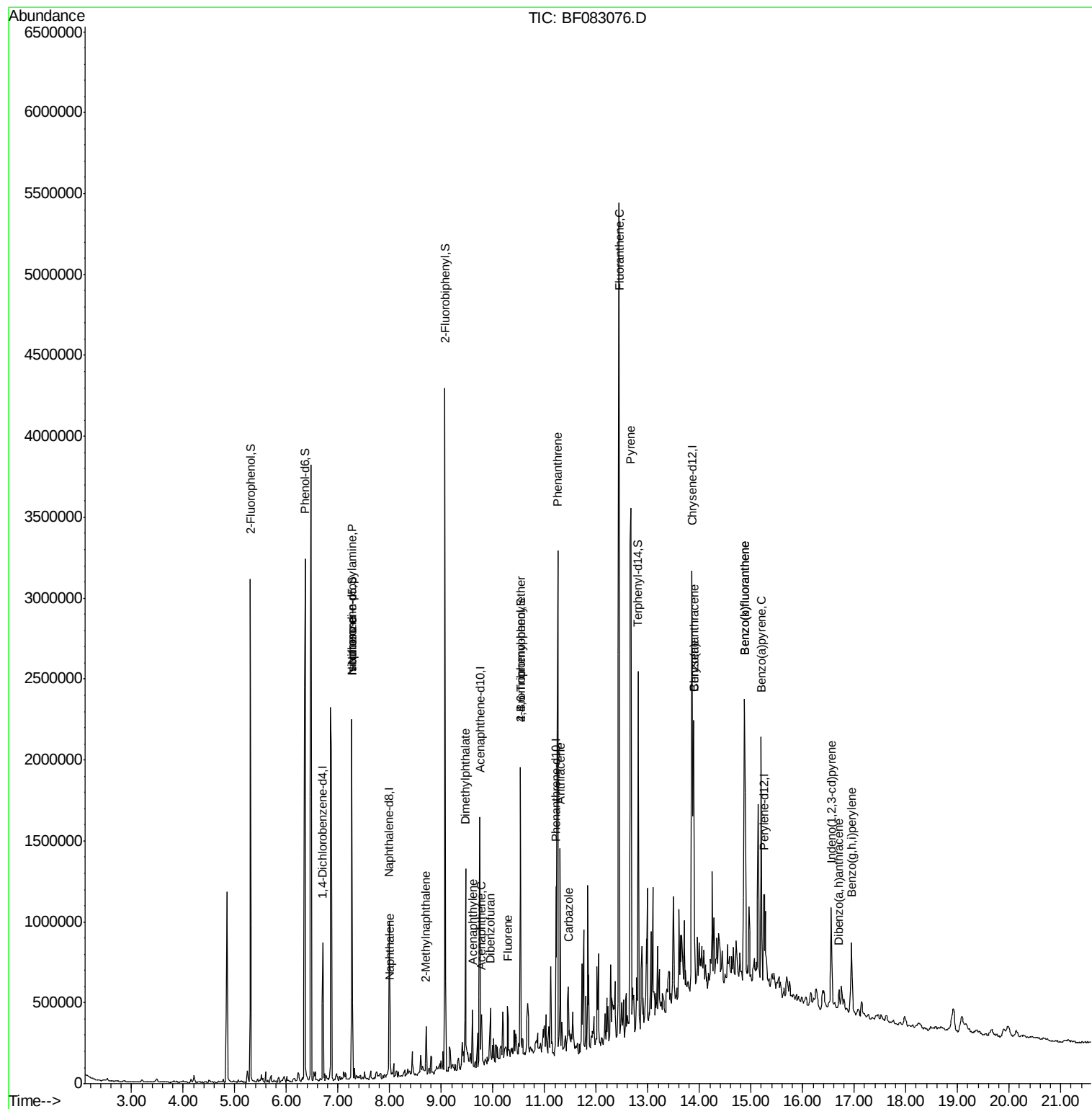
						Qvalue
19) n-Nitroso-di-n-propylamine	7.26	70	104407	11.41	ng	# 78
25) Isophorone	7.26	82	661075	29.22	ng	# 69
31) Naphthalene	8.01	128	137691	4.81	ng	98
37) 2-Methylnaphthalene	8.70	142	67372	3.54	ng	96
48) Acenaphthylene	9.61	152	213725	6.70	ng	99
49) Dimethylphthalate	9.47	163	434633	18.24	ng	100
51) Acenaphthene	9.78	154	85857	4.26	ng	99
54) Dibenzofuran	9.95	168	113561	4.20	ng	90
57) Fluorene	10.28	166	117590	5.41	ng	# 97
66) 4-Bromophenyl-phenylether	10.53	248	14528	2.73	ng	# 1
70) Phenanthrene	11.25	178	1527959	55.19	ng	98
71) Anthracene	11.30	178	485751	17.42	ng	97
72) Carbazole	11.46	167	208798	8.56	ng	97
74) Fluoranthene	12.44	202	2252585	78.06	ng	97
77) Pyrene	12.67	202	2001040	76.33	ng	100
80) Benzo(a)anthracene	13.89	228	922583	38.99	ng	95
82) Chrysene	13.89	228	922583	42.52	ng	97
85) Indeno(1,2,3-cd)pyrene	16.56	276	401467	22.74	ng	98
87) Benzo(b)fluoranthene	14.88	252	1495762	64.14	ng	98
88) Benzo(k)fluoranthene	14.88	252	1494833	84.14	ng	# 97
89) Benzo(a)pyrene	15.20	252	685555	36.63	ng	97
90) Dibenzo(a,h)anthracene	16.71	278	85870	5.27	ng	93
91) Benzo(g,h,i)perylene	16.95	276	348559	21.94	ng	97

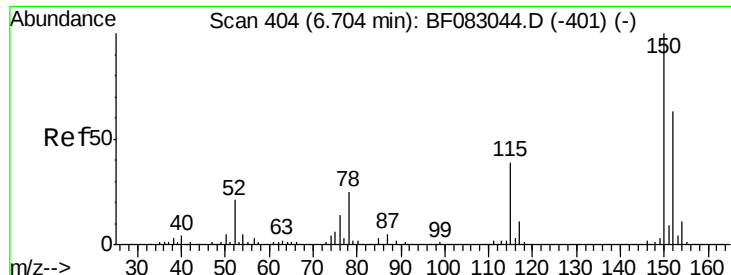
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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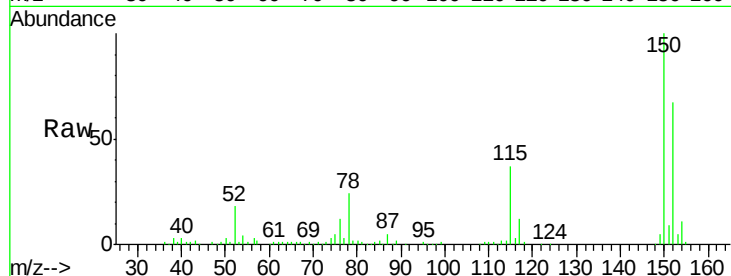




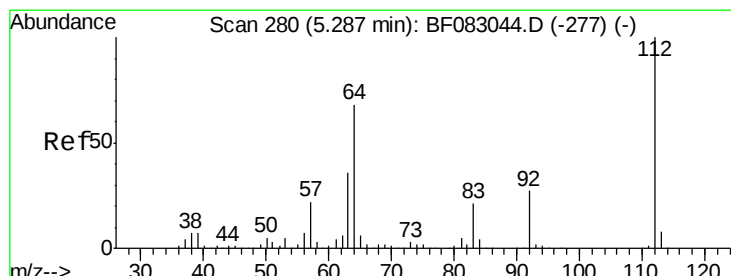
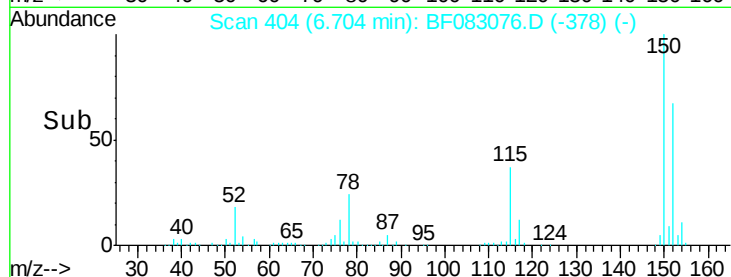
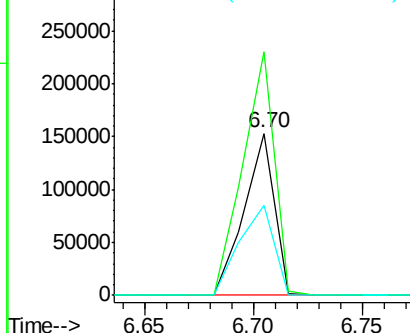
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.70 min Scan# 404
 Delta R.T. 0.00 min
 Lab File: BF083076.D
 Acq: 20 Nov 2015 12:21

Instrument :
 BNA_F
 ClientSampleId :
 OS-1601

Tgt Ion:152 Resp: 147656
 Ion Ratio Lower Upper
 152 100
 150 150.3 126.4 189.6
 115 55.8 49.0 73.6

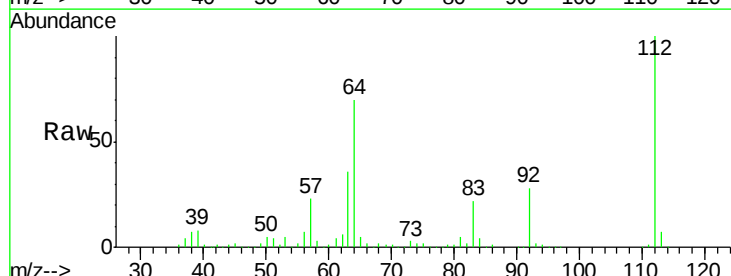


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

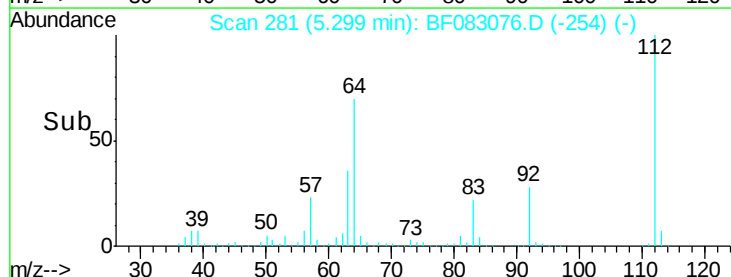
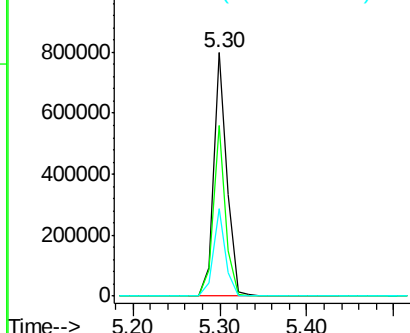


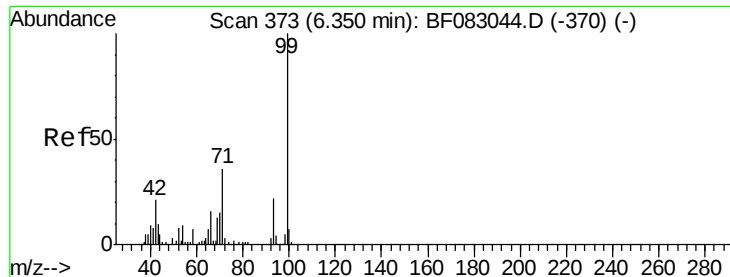
#5
 2-Fluorophenol
 Concen: 90.18 ng
 RT: 5.30 min Scan# 281
 Delta R.T. 0.01 min
 Lab File: BF083076.D
 Acq: 20 Nov 2015 12:21

Tgt Ion:112 Resp: 857339
 Ion Ratio Lower Upper
 112 100
 64 70.2 54.8 82.2
 63 36.1 29.0 43.4



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: 115.02 ng

RT: 6.36 min Scan# 374

Delta R.T. 0.01 min

Lab File: BF083076.D

Acq: 20 Nov 2015 12:21

Instrument :

BNA_F

ClientSampleId :

OS-1601

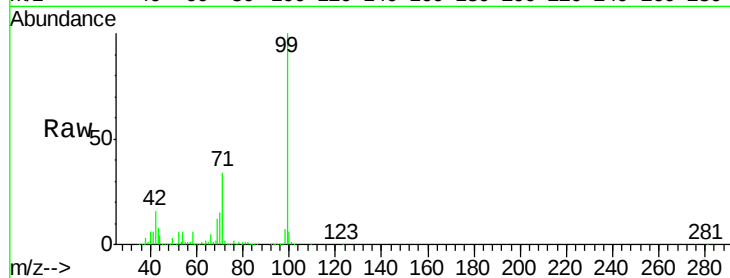
Tgt Ion: 99 Resp: 1440106

Ion Ratio Lower Upper

99 100

42 15.9 16.6 25.0#

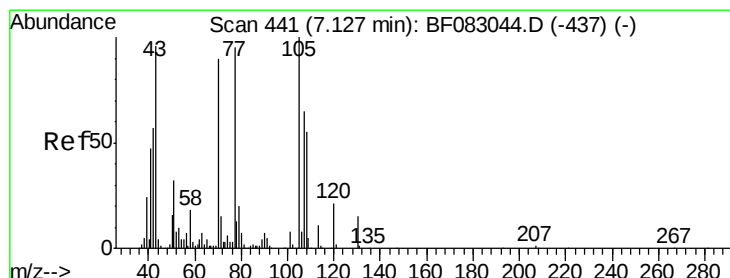
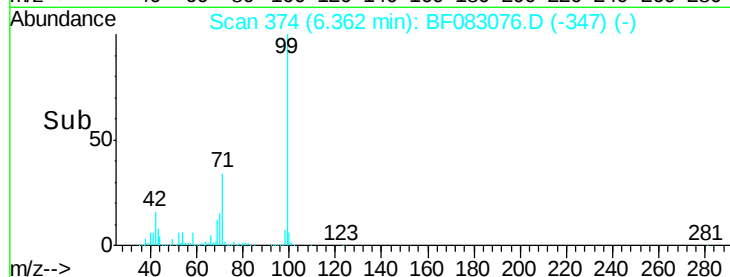
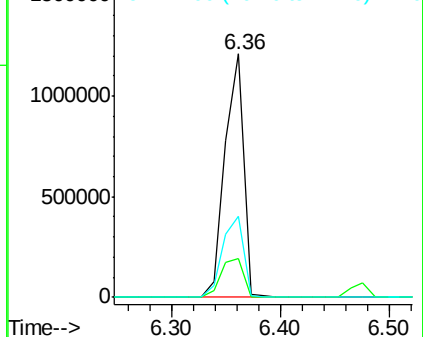
71 33.5 29.2 43.8



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



#19

n-Nitroso-di-n-propylamine

Concen: 11.41 ng

RT: 7.26 min Scan# 453

Delta R.T. 0.14 min

Lab File: BF083076.D

Acq: 20 Nov 2015 12:21

Tgt Ion: 70 Resp: 104407

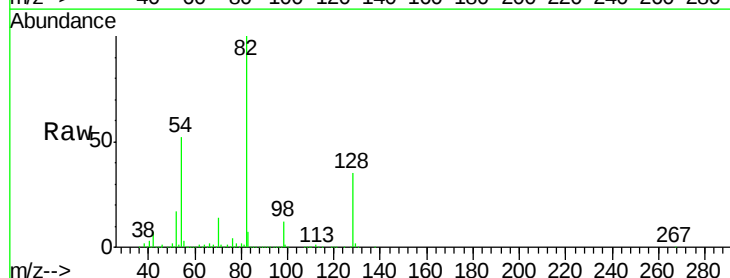
Ion Ratio Lower Upper

70 100

42 48.3 50.2 75.2#

101 0.0 6.8 10.2#

130 1.6 12.9 19.3#

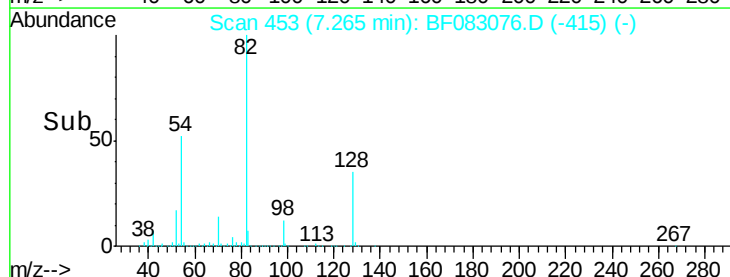
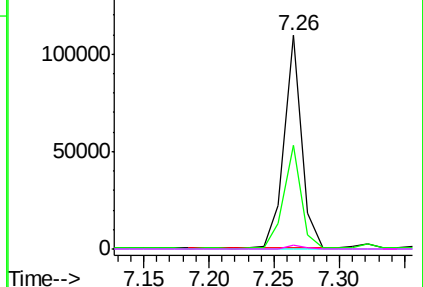


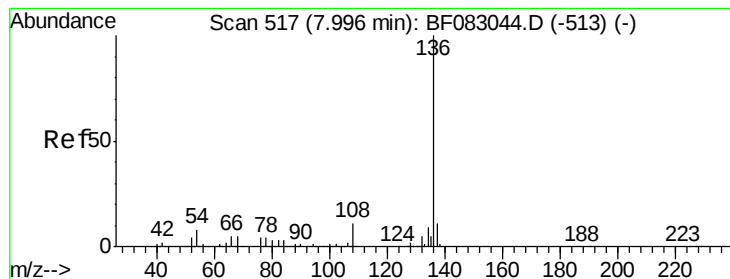
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.98 min Scan# 516

Delta R.T. -0.01 min

Lab File: BF083076.D

Acq: 20 Nov 2015 12:21

Instrument :

BNA_F

ClientSampleId :

OS-1601

Tgt Ion:136 Resp: 549200

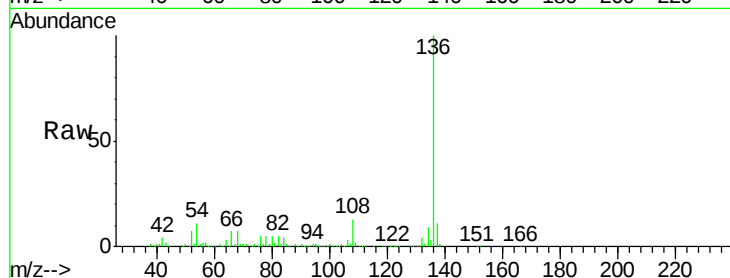
Ion Ratio Lower Upper

136 100

137 11.2 8.6 12.8

54 11.2 6.2 9.2#

68 7.5 4.2 6.2#

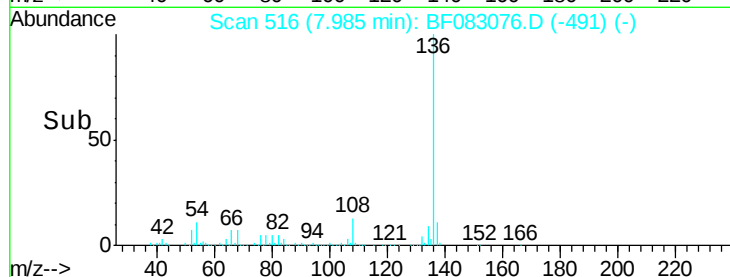


Abundance Ion 136.00 (135.70 to 136.70): E

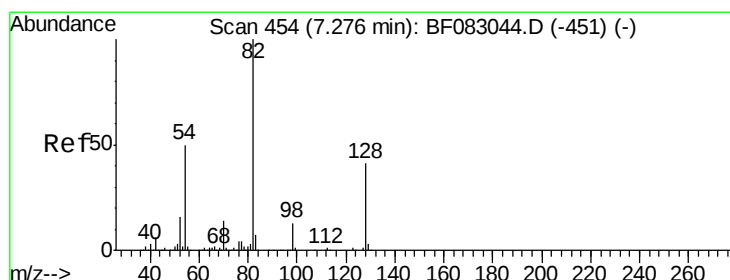
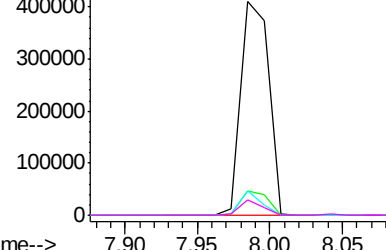
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 65.60 ng

RT: 7.26 min Scan# 453

Delta R.T. -0.01 min

Lab File: BF083076.D

Acq: 20 Nov 2015 12:21

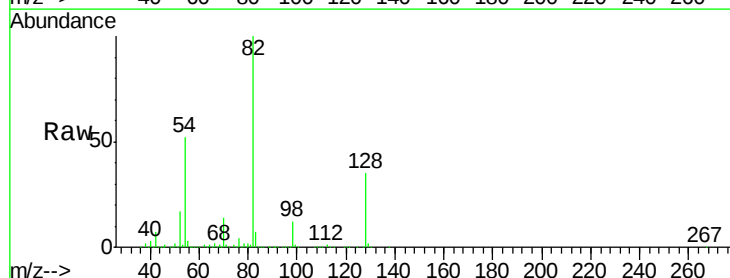
Tgt Ion: 82 Resp: 786932

Ion Ratio Lower Upper

82 100

128 34.8 33.1 49.7

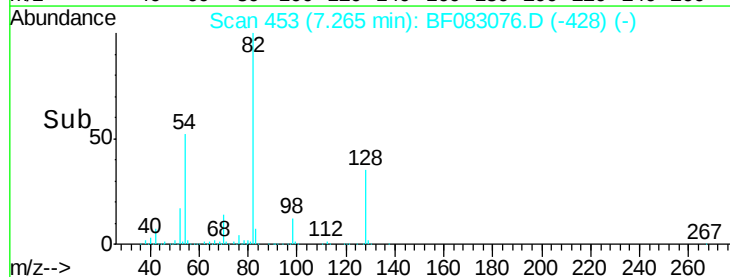
54 52.3 39.8 59.6



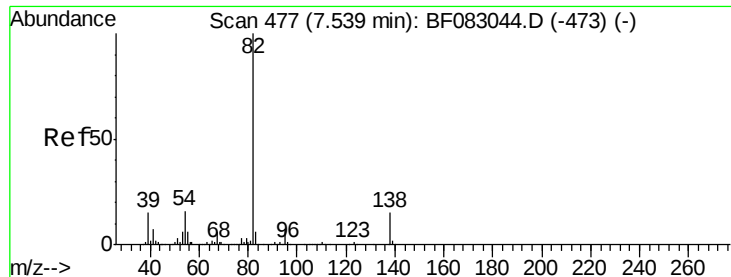
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->



#25

Isophorone

Concen: 29.22 ng

RT: 7.26 min Scan# 453

Delta R.T. -0.27 min

Lab File: BF083076.D

Acq: 20 Nov 2015 12:21

Instrument :

BNA_F

ClientSampleId :

OS-1601

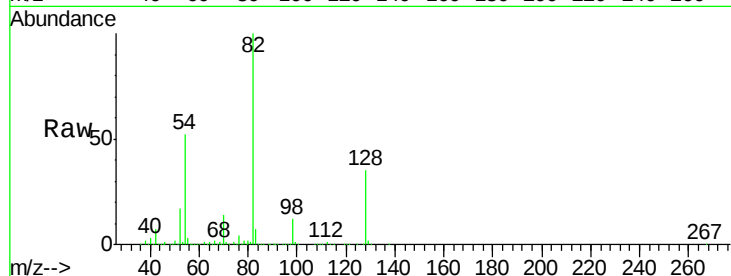
Tgt Ion: 82 Resp: 661075

Ion Ratio Lower Upper

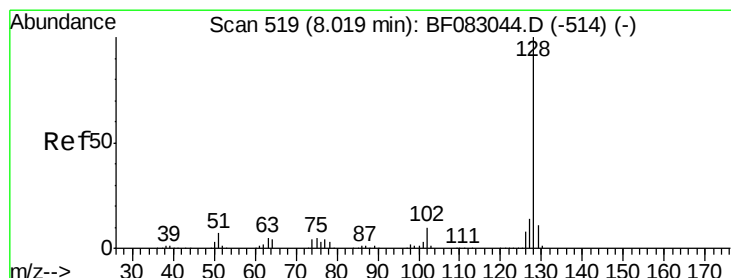
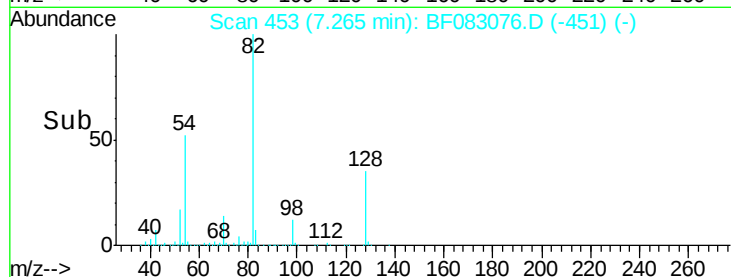
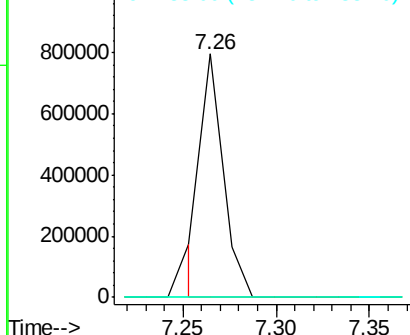
82 100

95 0.2 5.7 8.5#

138 0.0 12.2 18.4#



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



#31

Naphthalene

Concen: 4.81 ng

RT: 8.01 min Scan# 518

Delta R.T. -0.01 min

Lab File: BF083076.D

Acq: 20 Nov 2015 12:21

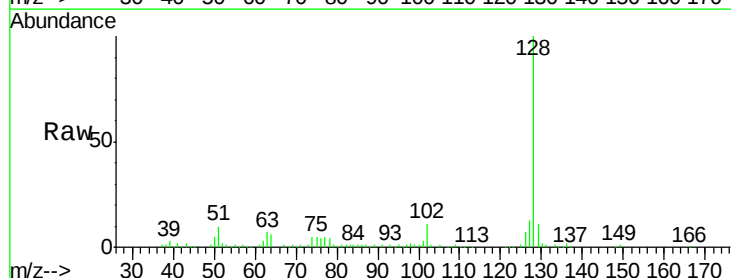
Tgt Ion: 128 Resp: 137691

Ion Ratio Lower Upper

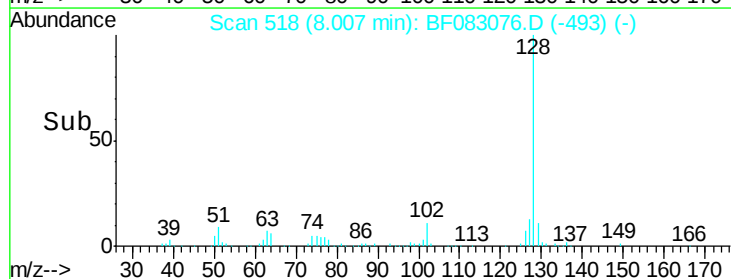
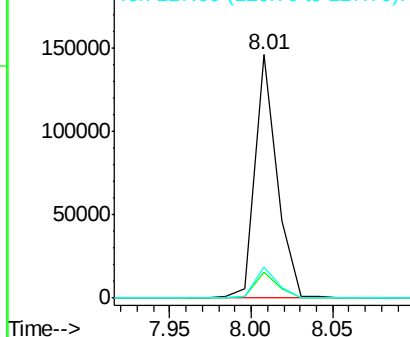
128 100

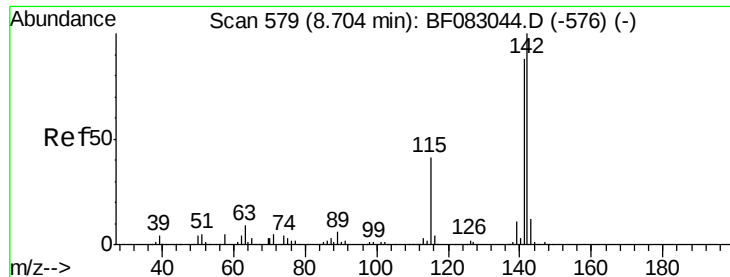
129 10.9 9.0 13.4

127 12.7 10.9 16.3



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

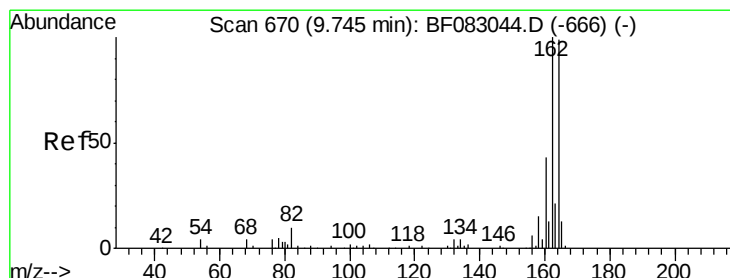
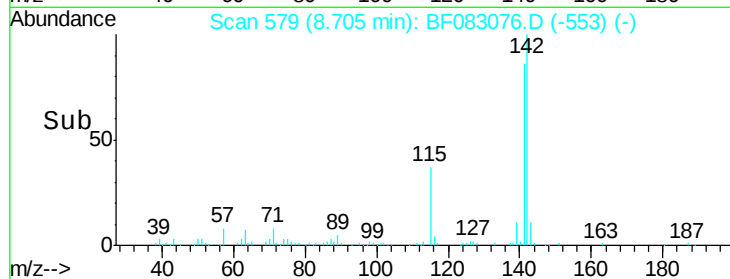
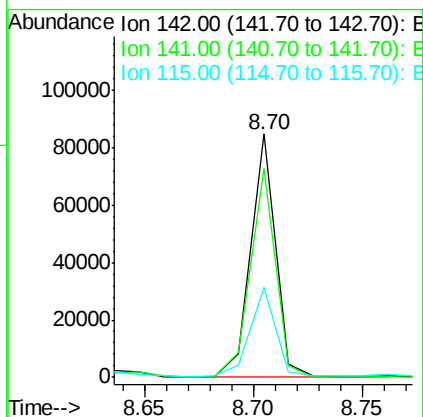
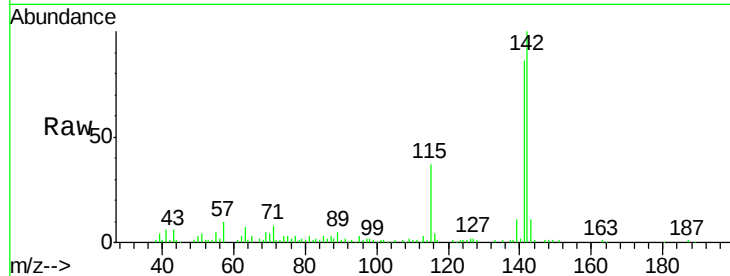




#37
 2-Methylnaphthalene
 Concen: 3.54 ng
 RT: 8.70 min Scan# 579
 Delta R.T. 0.00 min
 Lab File: BF083076.D
 Acq: 20 Nov 2015 12:21

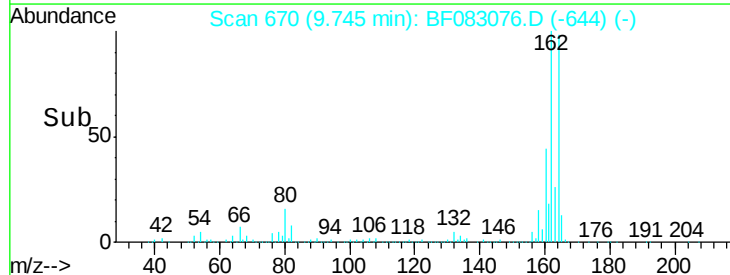
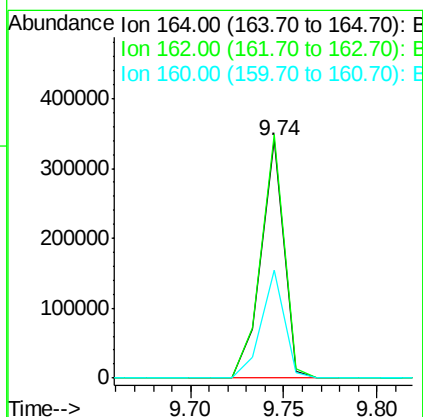
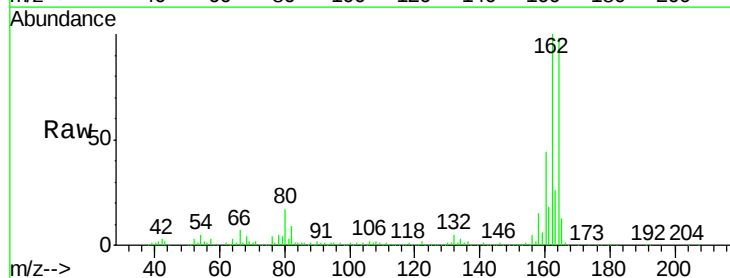
Instrument :
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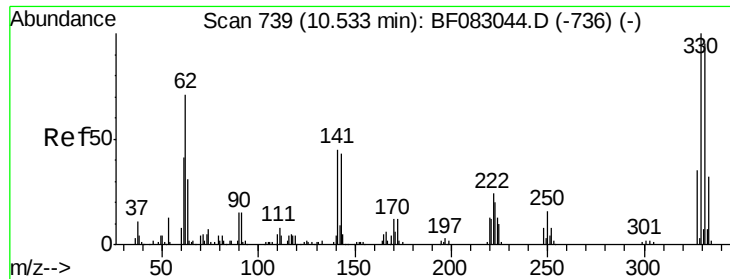
Tgt Ion:142 Resp: 67372
 Ion Ratio Lower Upper
 142 100
 141 85.9 70.7 106.1
 115 37.2 33.1 49.7



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.74 min Scan# 670
 Delta R.T. 0.00 min
 Lab File: BF083076.D
 Acq: 20 Nov 2015 12:21

Tgt Ion:164 Resp: 289490
 Ion Ratio Lower Upper
 164 100
 162 102.3 80.5 120.7
 160 45.5 35.0 52.4

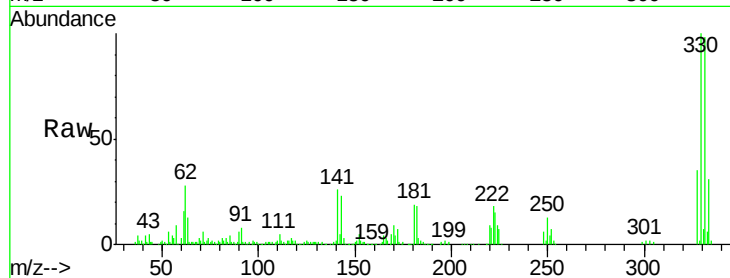




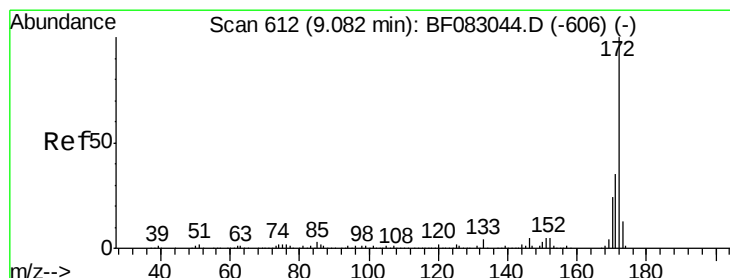
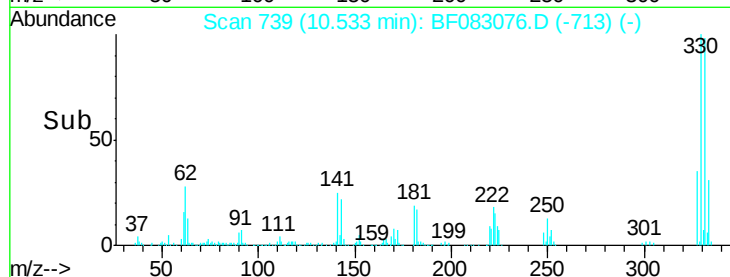
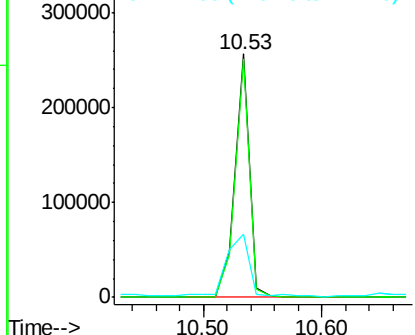
#41
 2,4,6-Tribromophenol
 Concen: 71.15 ng
 RT: 10.53 min Scan# 739
 Delta R.T. 0.00 min
 Lab File: BF083076.D
 Acq: 20 Nov 2015 12:21

Instrument :
 BNA_F
 ClientSampleId :
 OS-1601

Tgt Ion:330 Resp: 218694
 Ion Ratio Lower Upper
 330 100
 332 97.3 77.6 116.4
 141 40.0 34.6 52.0

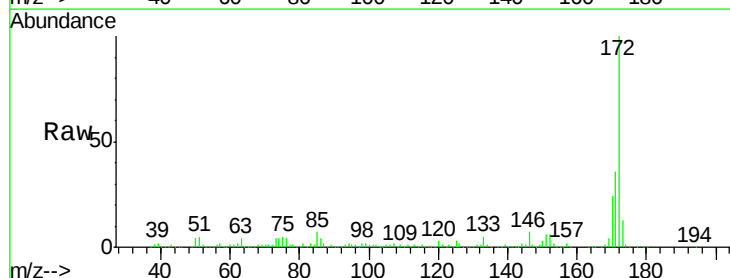


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

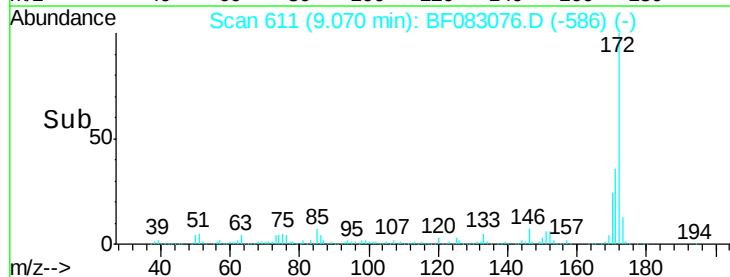
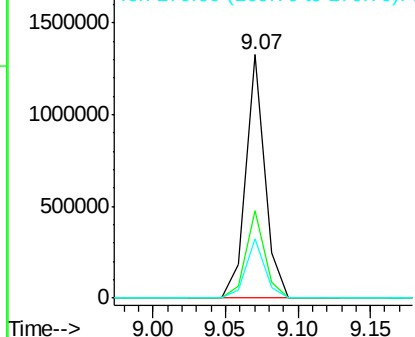


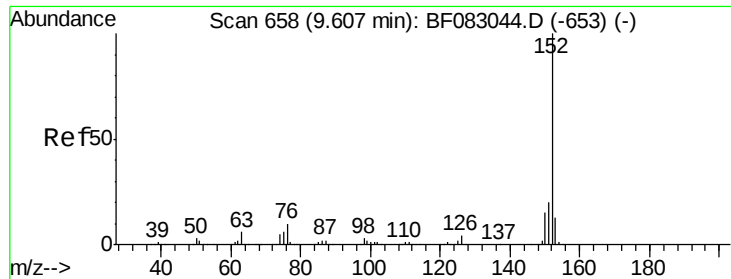
#44
 2-Fluorobiphenyl
 Concen: 56.33 ng
 RT: 9.07 min Scan# 611
 Delta R.T. -0.01 min
 Lab File: BF083076.D
 Acq: 20 Nov 2015 12:21

Tgt Ion:172 Resp: 1210800
 Ion Ratio Lower Upper
 172 100
 171 35.7 28.2 42.4
 170 24.1 19.4 29.0



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





#48

Acenaphthylene

Concen: 6.70 ng

RT: 9.61 min Scan# 658

Delta R.T. 0.00 min

Lab File: BF083076.D

Acq: 20 Nov 2015 12:21

Instrument :

BNA_F

ClientSampleId :

OS-1601

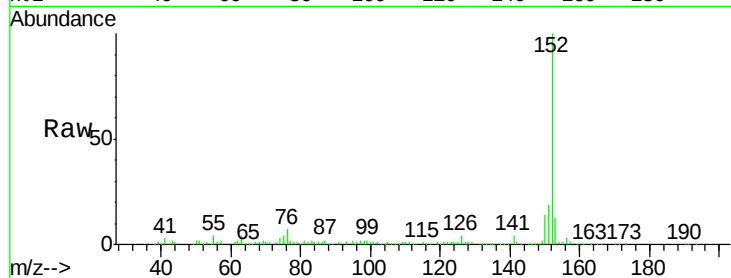
Tgt Ion:152 Resp: 213725

Ion Ratio Lower Upper

152 100

151 19.4 16.2 24.2

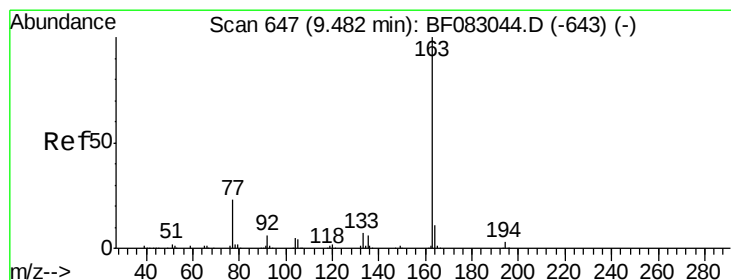
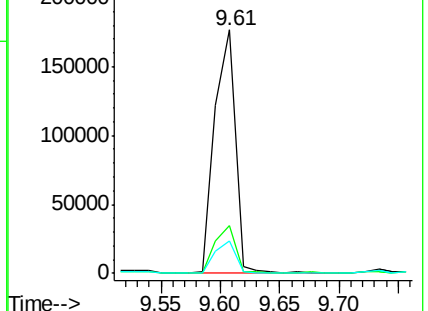
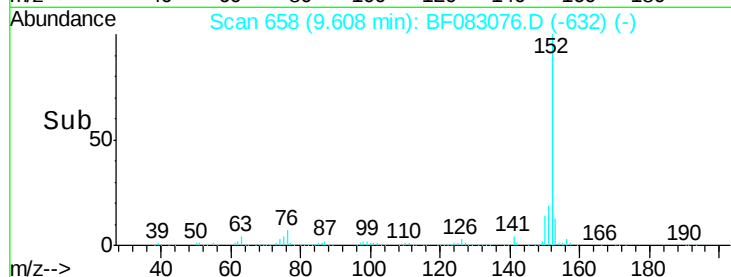
153 13.4 10.6 15.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 18.24 ng

RT: 9.47 min Scan# 646

Delta R.T. -0.01 min

Lab File: BF083076.D

Acq: 20 Nov 2015 12:21

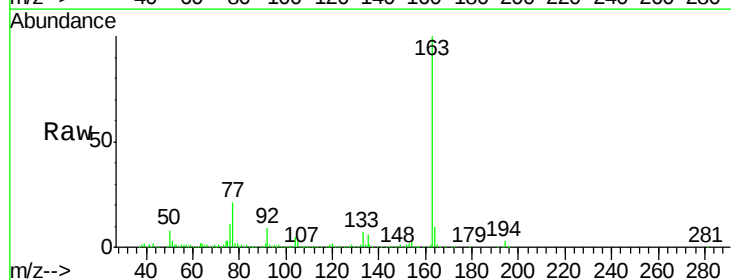
Tgt Ion:163 Resp: 434633

Ion Ratio Lower Upper

163 100

194 3.3 2.7 4.1

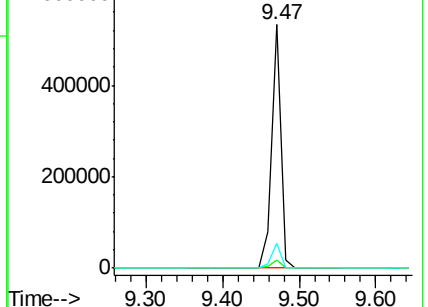
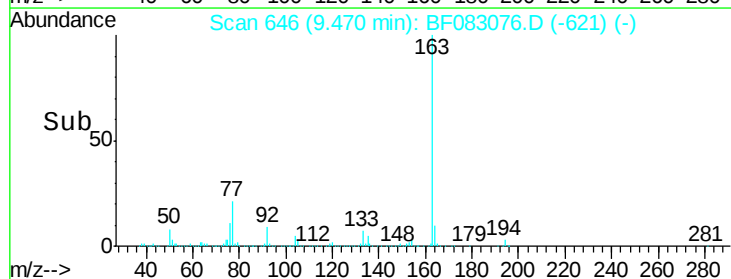
164 10.4 8.5 12.7

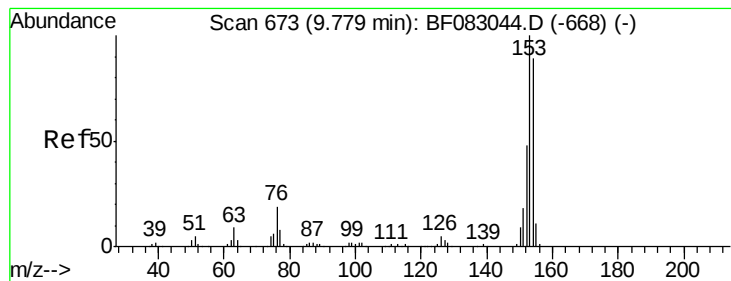


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 4.26 ng

RT: 9.78 min Scan# 673

Delta R.T. 0.00 min

Lab File: BF083076.D

Acq: 20 Nov 2015 12:21

Instrument :

BNA_F

ClientSampleId :

OS-1601

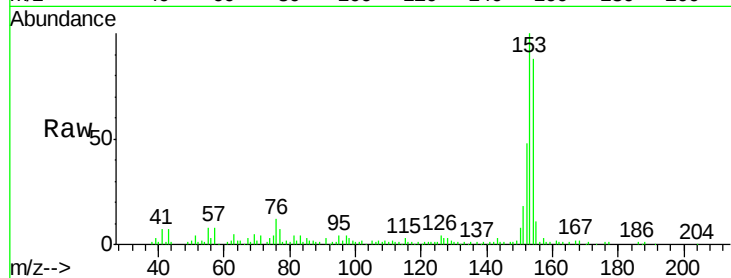
Tgt Ion:154 Resp: 85857

Ion Ratio Lower Upper

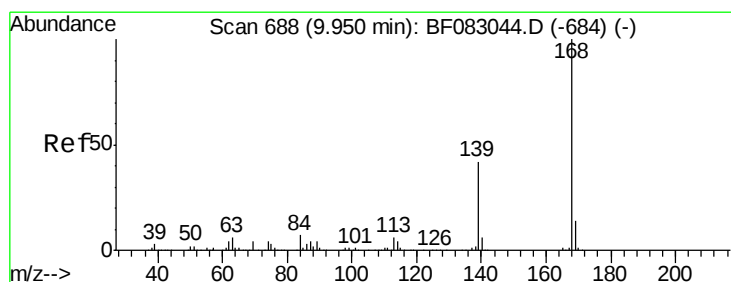
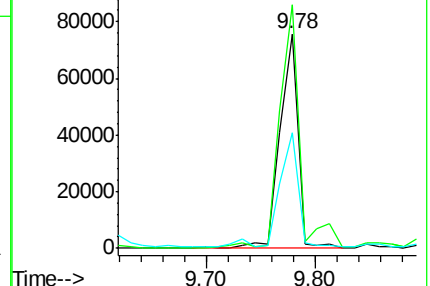
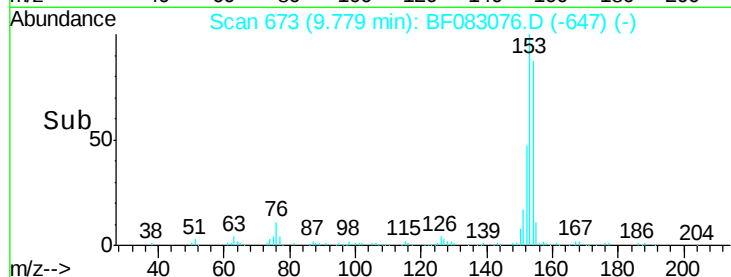
154 100

153 113.7 90.1 135.1

152 54.2 43.3 64.9



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 4.20 ng

RT: 9.95 min Scan# 688

Delta R.T. 0.00 min

Lab File: BF083076.D

Acq: 20 Nov 2015 12:21

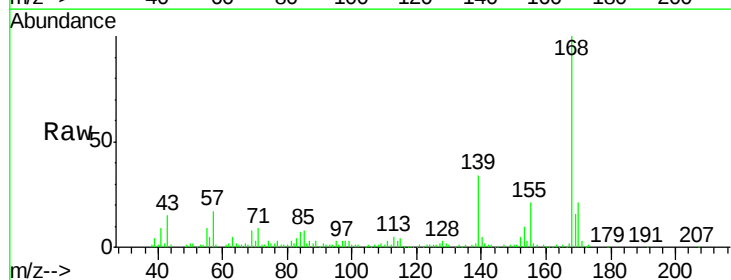
Tgt Ion:168 Resp: 113561

Ion Ratio Lower Upper

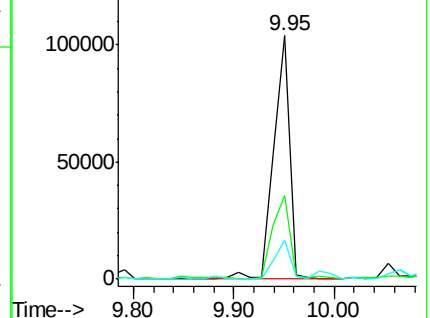
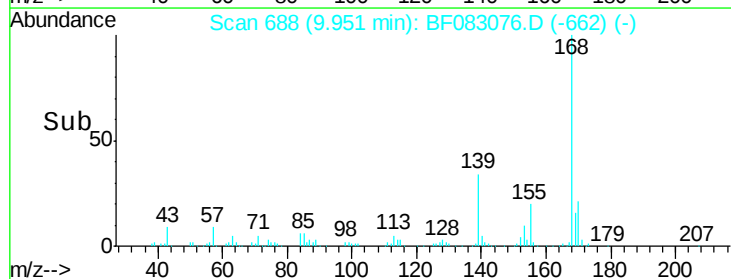
168 100

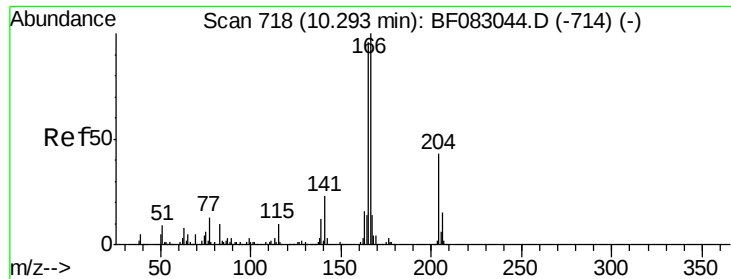
139 34.2 33.5 50.3

169 16.0 11.2 16.8



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: 5.41 ng

RT: 10.28 min Scan# 717

Delta R.T. -0.01 min

Lab File: BF083076.D

Acq: 20 Nov 2015 12:21

Instrument :

BNA_F

ClientSampleId :

OS-1601

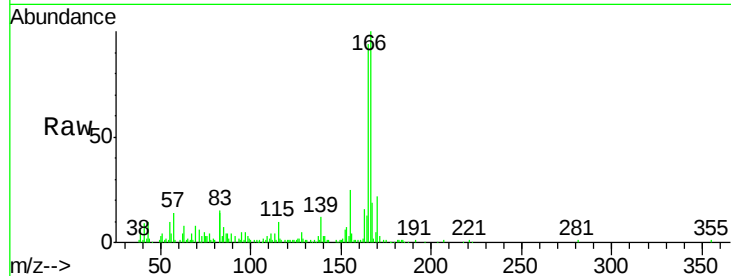
Tgt Ion:166 Resp: 117590

Ion Ratio Lower Upper

166 100

165 94.5 77.1 115.7

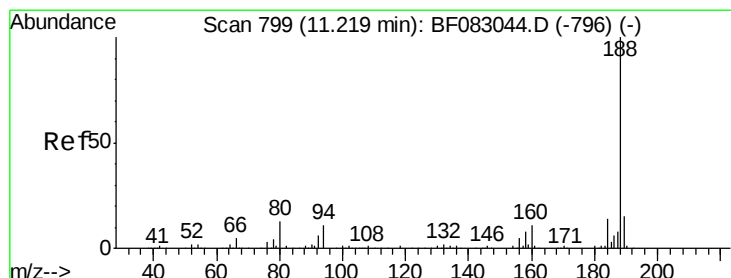
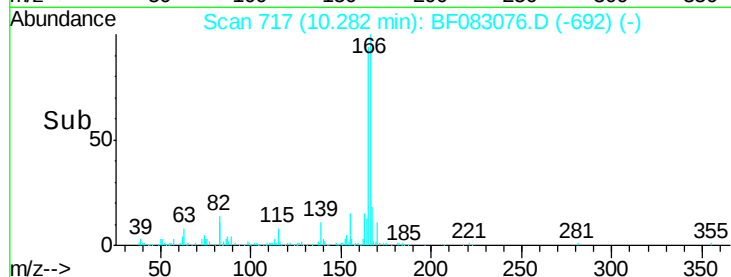
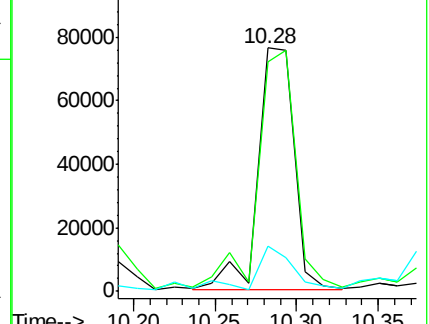
167 18.8 11.0 16.4#



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: 11.22 min Scan# 799

Delta R.T. 0.00 min

Lab File: BF083076.D

Acq: 20 Nov 2015 12:21

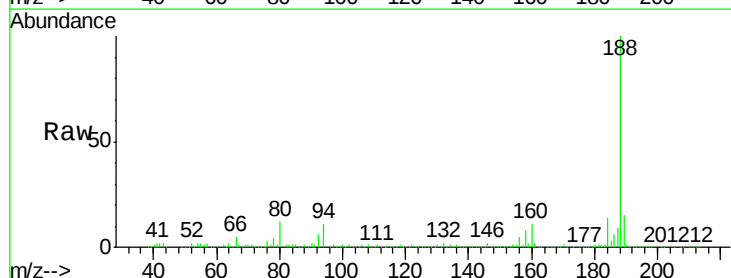
Tgt Ion:188 Resp: 458913

Ion Ratio Lower Upper

188 100

94 10.9 9.0 13.4

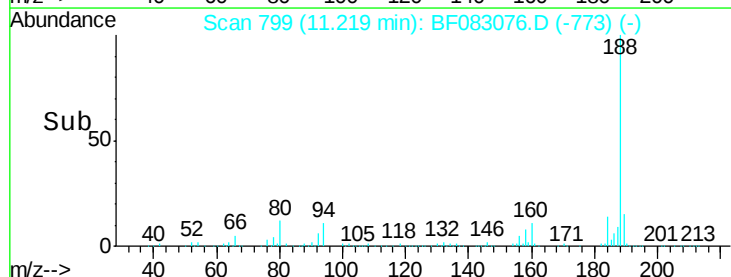
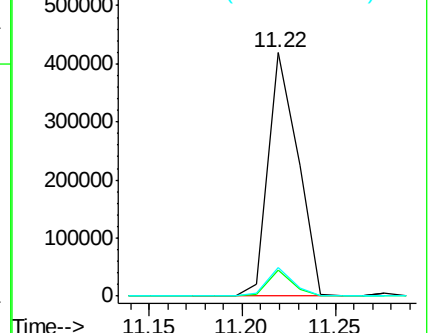
80 11.7 10.2 15.4

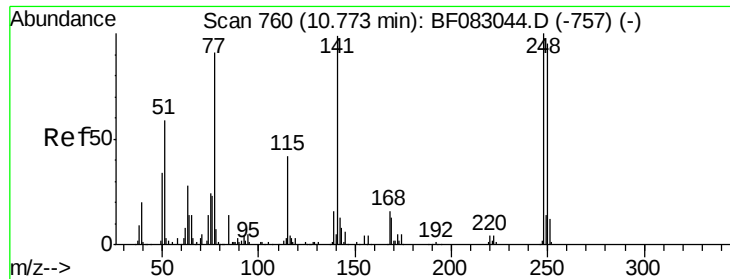


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

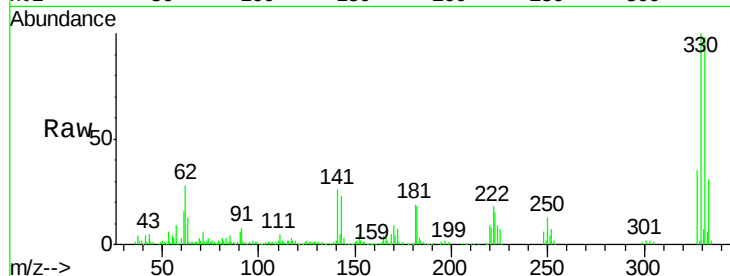




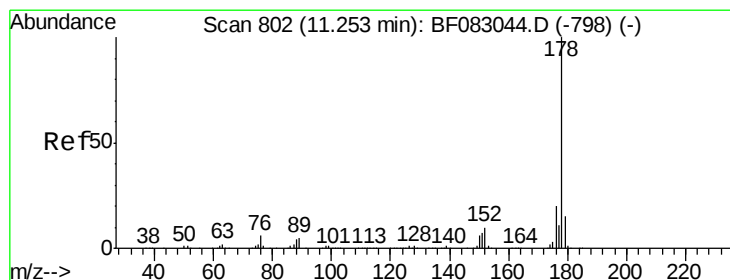
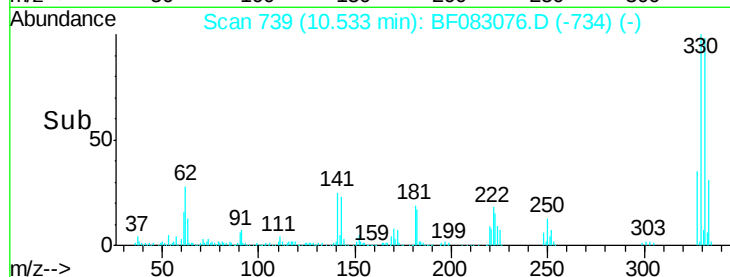
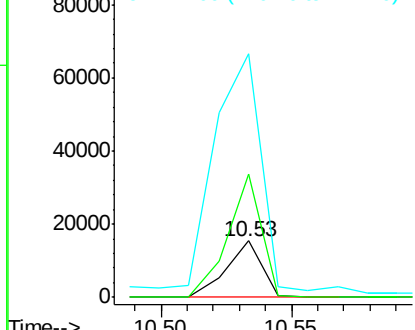
#66
4-Bromophenyl-phenylether
Concen: 2.73 ng
RT: 10.53 min Scan# 739
Delta R.T. -0.24 min
Lab File: BF083076.D
Acq: 20 Nov 2015 12:21

Instrument :
BNA_F
ClientSampleId :
OS-1601

Tgt Ion:248 Resp: 14528
Ion Ratio Lower Upper
248 100
250 218.9 76.1 114.1#
141 431.2 79.2 118.8#

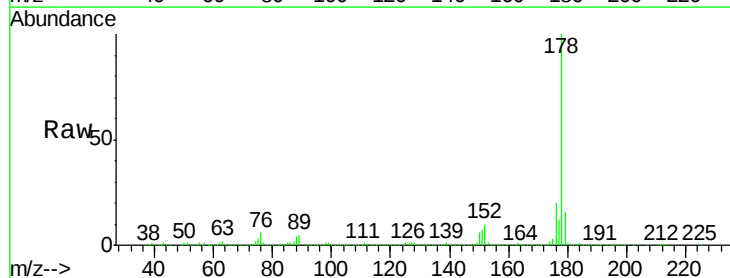


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

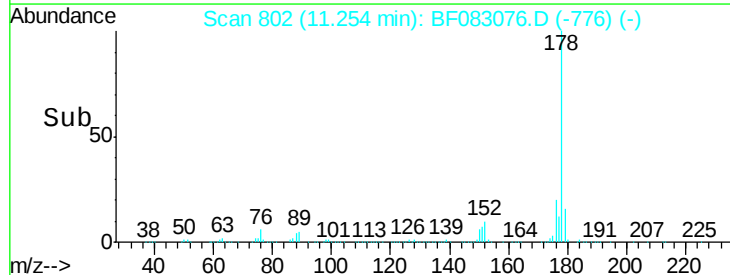
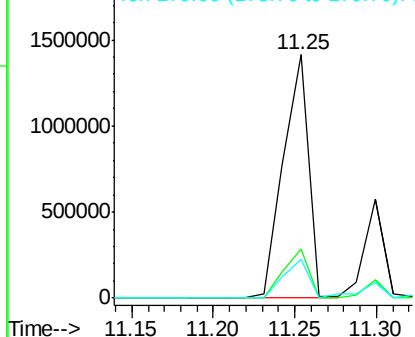


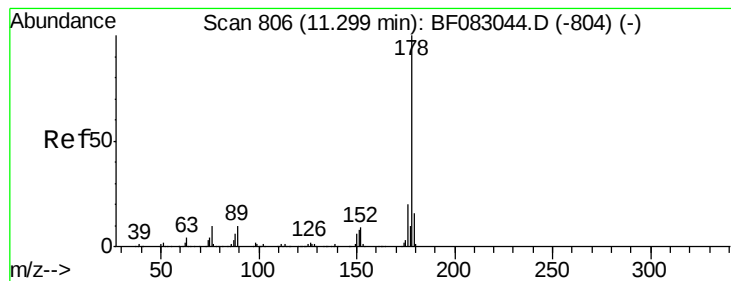
#70
Phenanthrene
Concen: 55.19 ng
RT: 11.25 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF083076.D
Acq: 20 Nov 2015 12:21

Tgt Ion:178 Resp: 1527959
Ion Ratio Lower Upper
178 100
176 20.2 15.6 23.4
179 16.0 12.3 18.5



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: 17.42 ng

RT: 11.30 min Scan# 806

Delta R.T. 0.00 min

Lab File: BF083076.D

Acq: 20 Nov 2015 12:21

Instrument :

BNA_F

ClientSampleId :

OS-1601

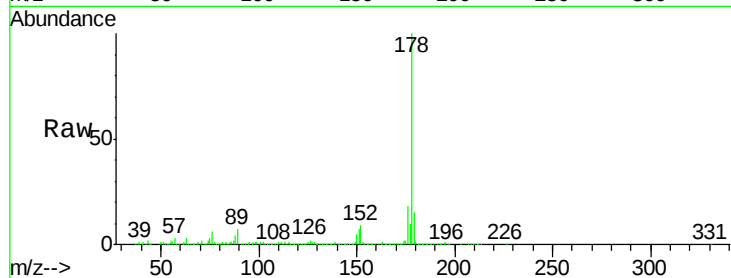
Tgt Ion:178 Resp: 485751

Ion Ratio Lower Upper

178 100

176 18.3 15.8 23.6

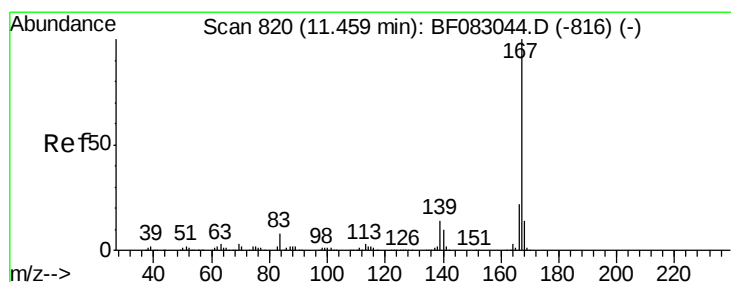
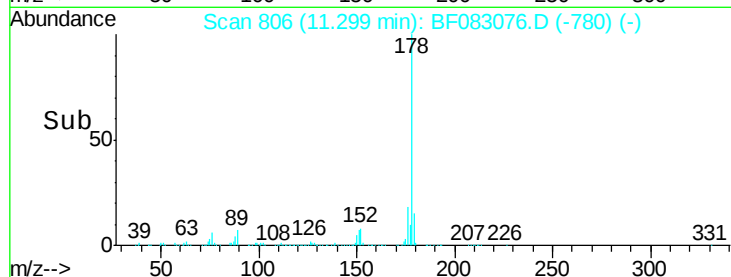
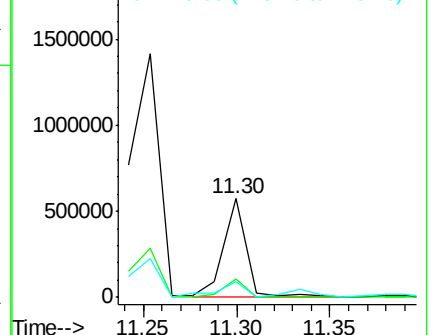
179 15.3 13.1 19.7



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



#72

Carbazole

Concen: 8.56 ng

RT: 11.46 min Scan# 820

Delta R.T. 0.00 min

Lab File: BF083076.D

Acq: 20 Nov 2015 12:21

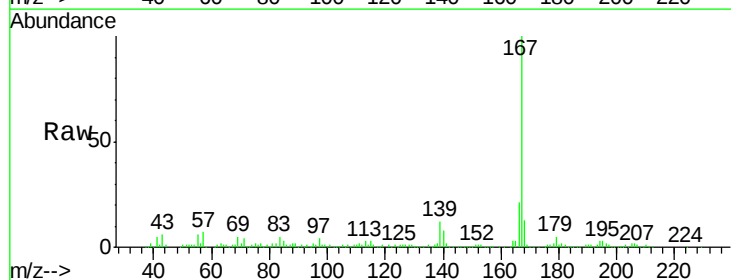
Tgt Ion:167 Resp: 208798

Ion Ratio Lower Upper

167 100

166 21.1 17.8 26.6

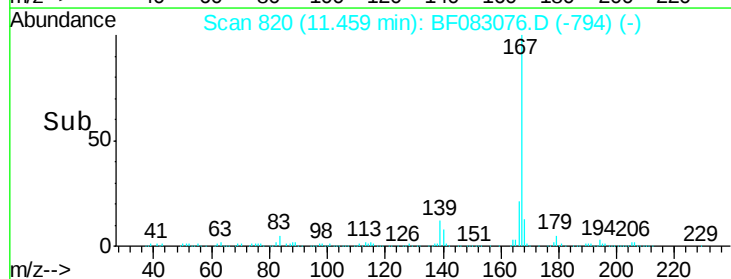
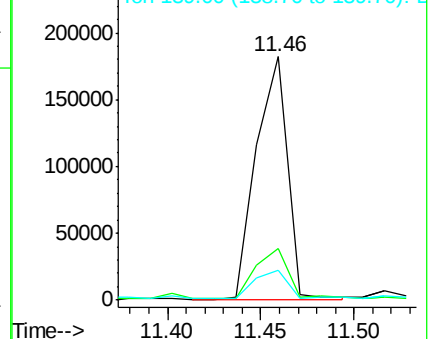
139 12.2 11.0 16.4

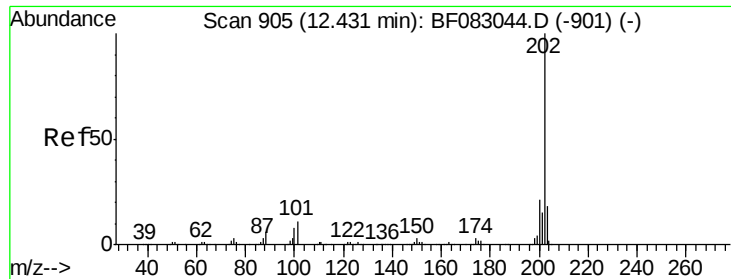


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 78.06 ng

RT: 12.44 min Scan# 906

Delta R.T. 0.01 min

Lab File: BF083076.D

Acq: 20 Nov 2015 12:21

Instrument :

BNA_F

ClientSampleId :

OS-1601

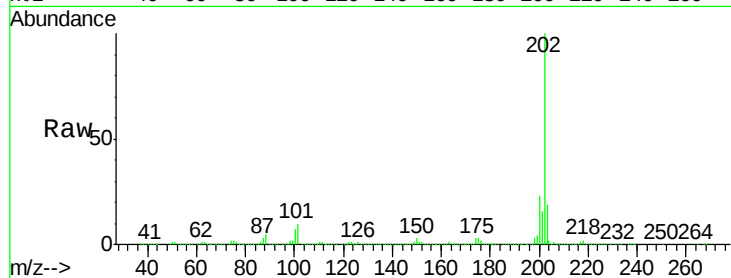
Tgt Ion:202 Resp: 2252585

Ion Ratio Lower Upper

202 100

101 9.7 0.0 31.1

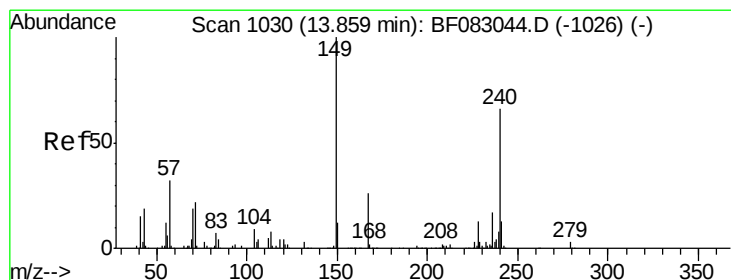
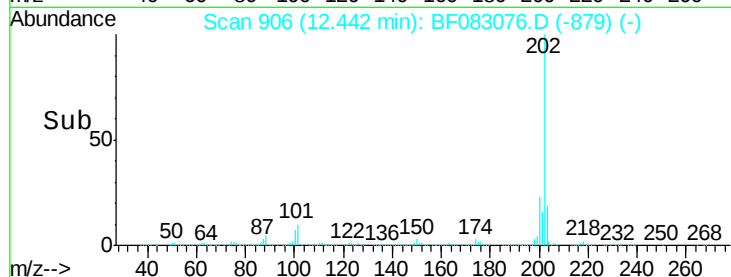
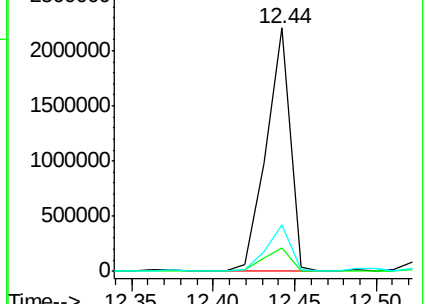
203 19.2 0.0 38.4



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.86 min Scan# 1030

Delta R.T. 0.00 min

Lab File: BF083076.D

Acq: 20 Nov 2015 12:21

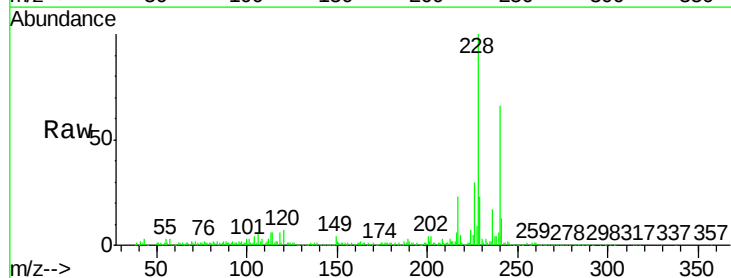
Tgt Ion:240 Resp: 372361

Ion Ratio Lower Upper

240 100

120 11.1 5.3 7.9#

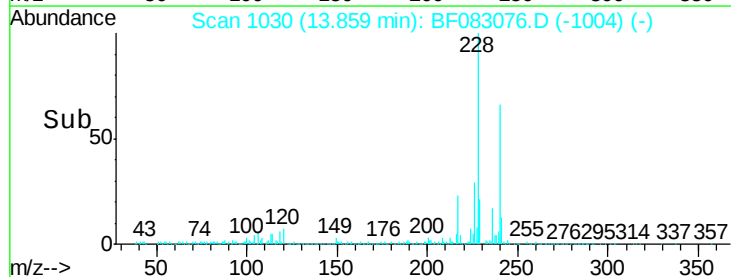
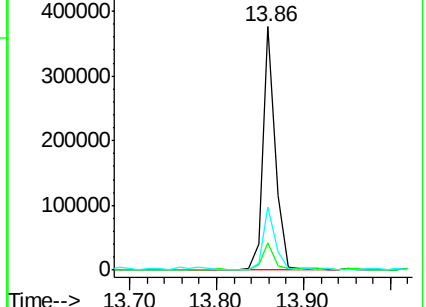
236 25.8 20.4 30.6

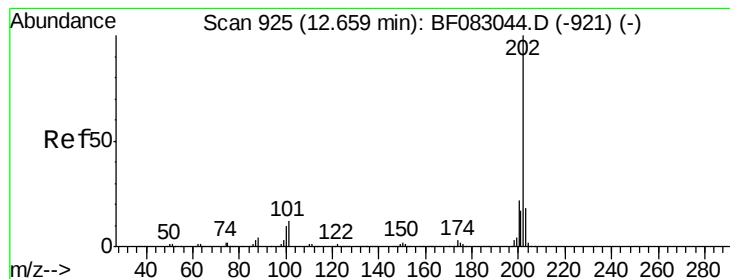


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 76.33 ng

RT: 12.67 min Scan# 926

Delta R.T. 0.01 min

Lab File: BF083076.D

Acq: 20 Nov 2015 12:21

Instrument :

BNA_F

ClientSampleId :

OS-1601

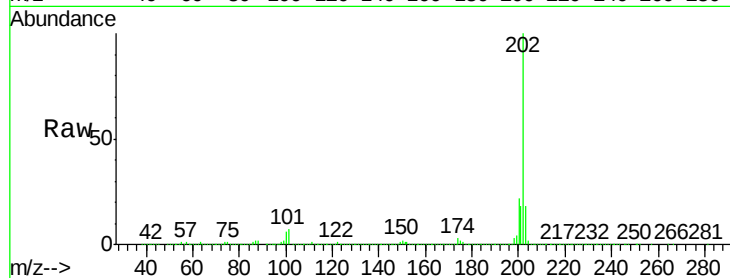
Tgt Ion:202 Resp: 2001040

Ion Ratio Lower Upper

202 100

200 21.8 17.6 26.4

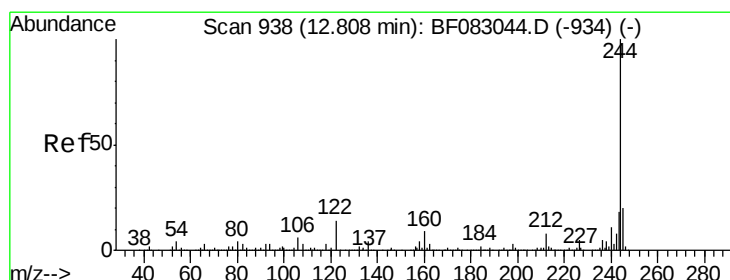
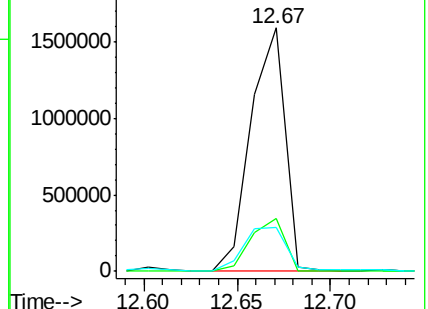
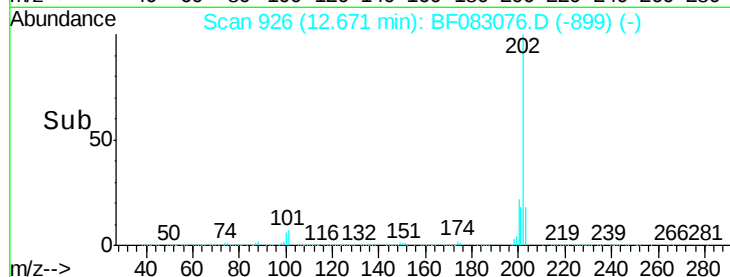
203 18.3 14.6 22.0



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



#78

Terphenyl-d14

Concen: 56.98 ng

RT: 12.81 min Scan# 938

Delta R.T. 0.00 min

Lab File: BF083076.D

Acq: 20 Nov 2015 12:21

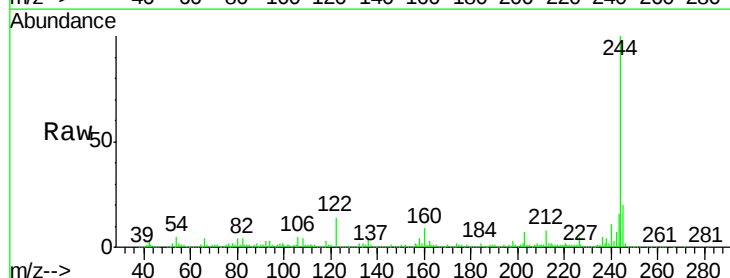
Tgt Ion:244 Resp: 898817

Ion Ratio Lower Upper

244 100

212 8.1 6.4 9.6

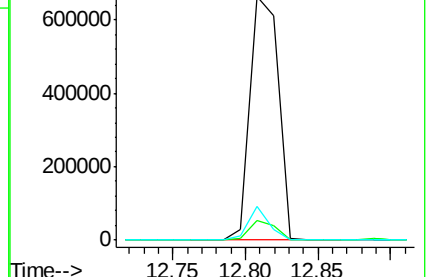
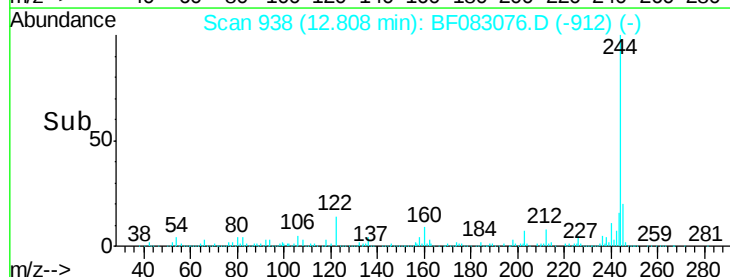
122 13.7 10.9 16.3

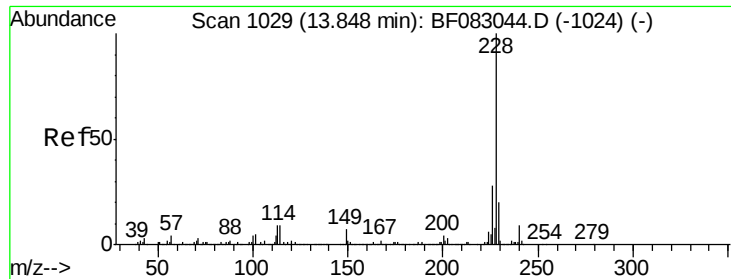


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 38.99 ng

RT: 13.89 min Scan# 1033

Delta R.T. 0.05 min

Lab File: BF083076.D

Acq: 20 Nov 2015 12:21

Instrument :

BNA_F

ClientSampleId :

OS-1601

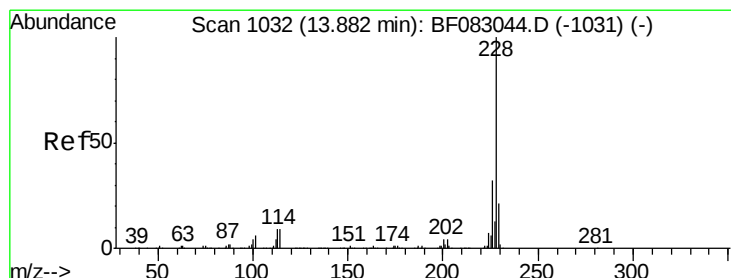
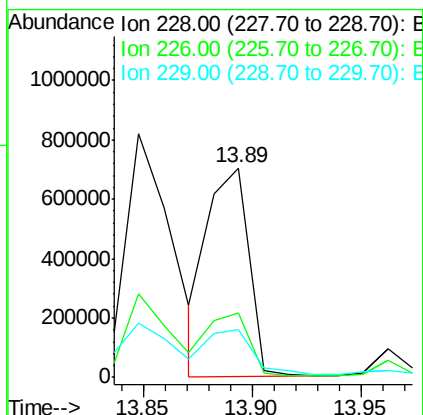
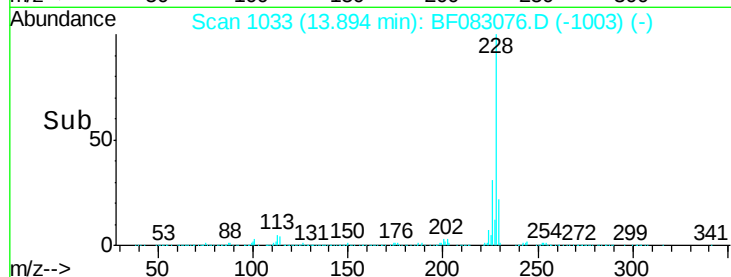
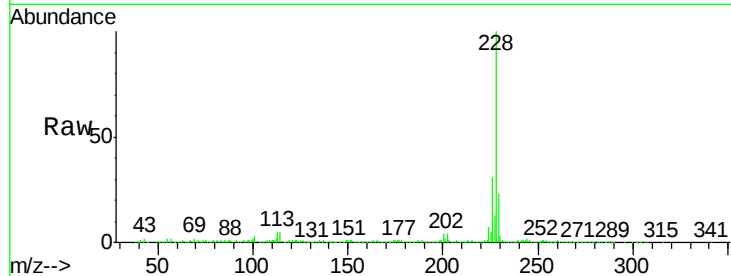
Tgt Ion:228 Resp: 922583

Ion Ratio Lower Upper

228 100

226 31.0 22.6 34.0

229 22.8 16.1 24.1



#82

Chrysene

Concen: 42.52 ng

RT: 13.89 min Scan# 1033

Delta R.T. 0.01 min

Lab File: BF083076.D

Acq: 20 Nov 2015 12:21

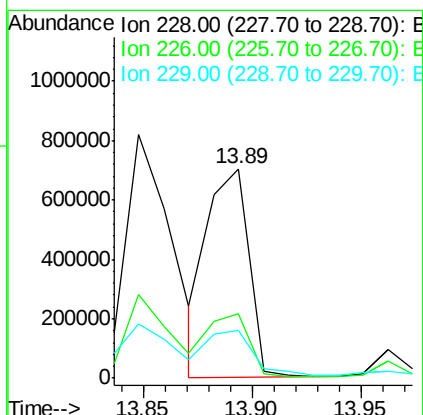
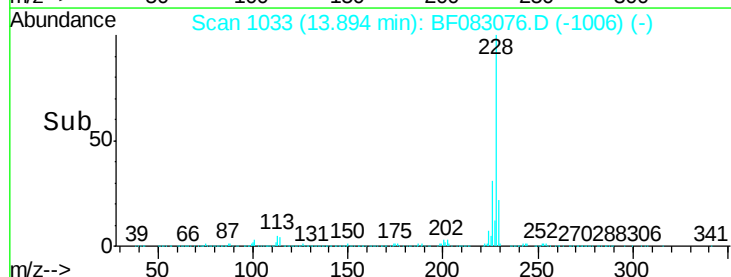
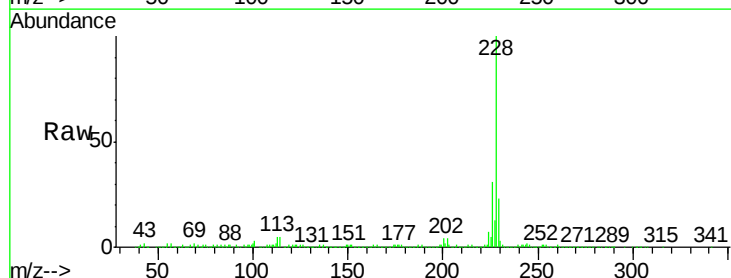
Tgt Ion:228 Resp: 922583

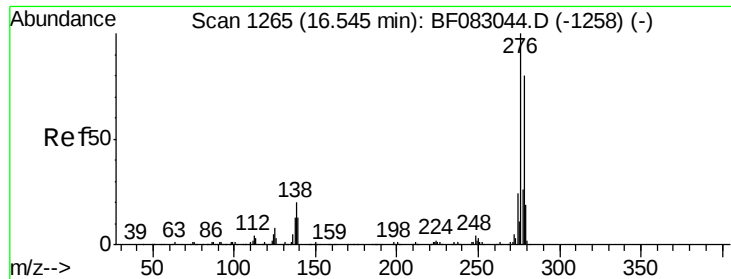
Ion Ratio Lower Upper

228 100

226 31.0 25.3 37.9

229 22.8 16.4 24.6

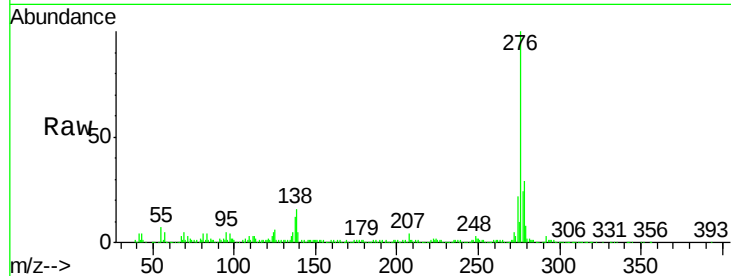




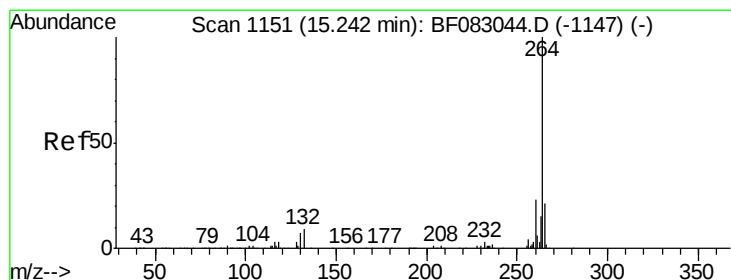
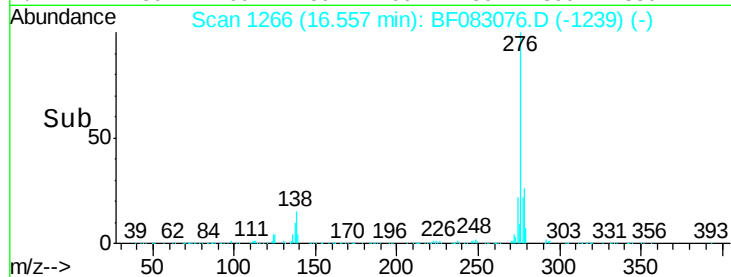
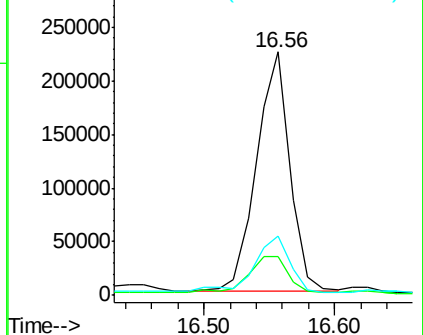
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 22.74 ng
 RT: 16.56 min Scan# 1266
 Delta R.T. 0.01 min
 Lab File: BF083076.D
 Acq: 20 Nov 2015 12:21

Instrument :
 BNA_F
 ClientSampleId :
 OS-1601

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.5	16.3	24.5
277	25.3	19.8	29.8

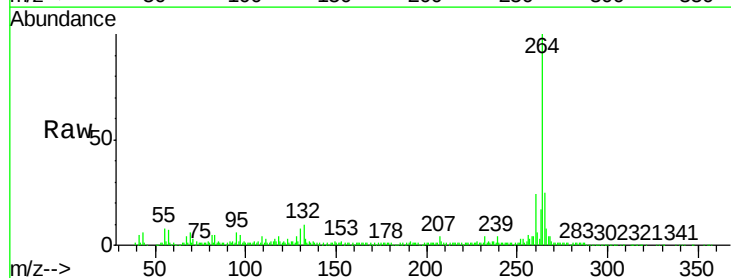


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

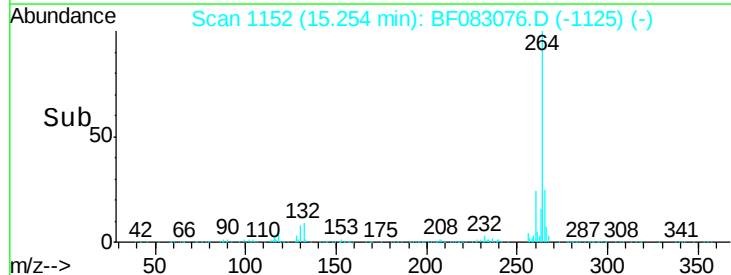
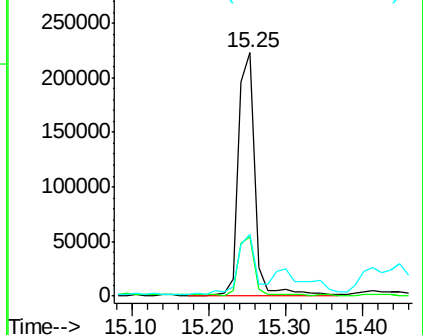


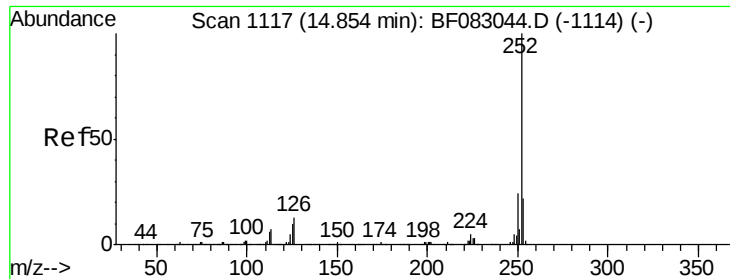
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.25 min Scan# 1152
 Delta R.T. 0.01 min
 Lab File: BF083076.D
 Acq: 20 Nov 2015 12:21

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.6	27.8
265	25.5	17.0	25.6



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





#87

Benzo(b)fluoranthene

Concen: 64.14 ng

RT: 14.88 min Scan# 1119

Delta R.T. 0.02 min

Lab File: BF083076.D

Acq: 20 Nov 2015 12:21

Instrument :

BNA_F

ClientSampleId :

OS-1601

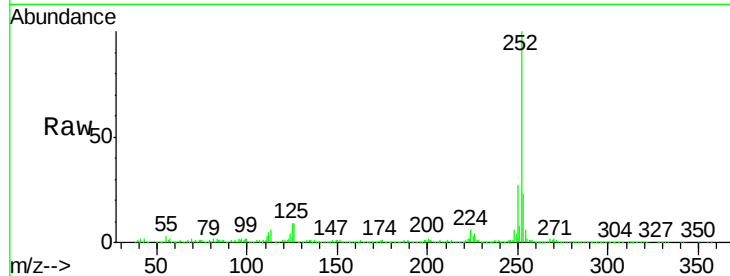
Tgt Ion:252 Resp: 1495762

Ion Ratio Lower Upper

252 100

253 22.8 17.6 26.4

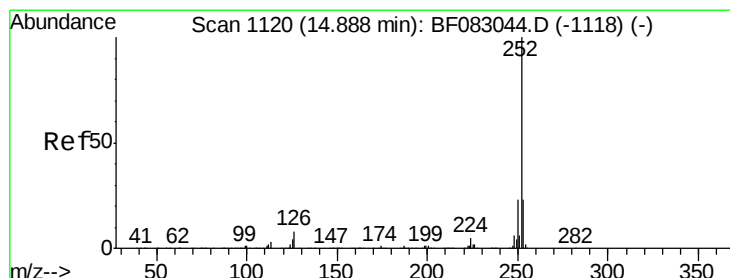
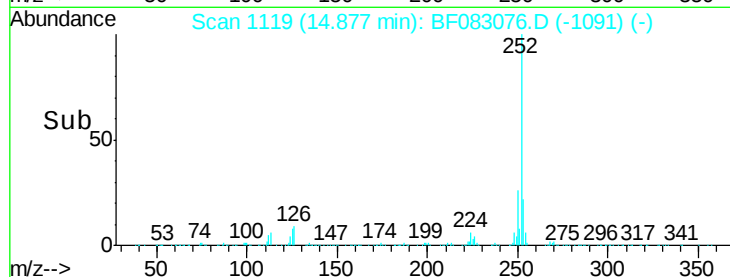
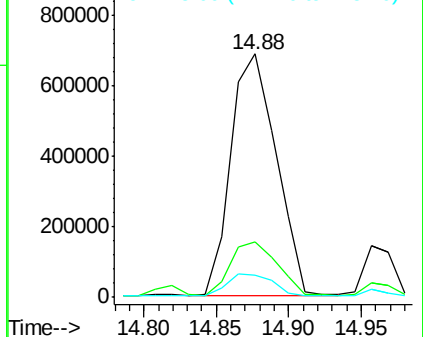
125 9.0 7.7 11.5



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



#88

Benzo(k)fluoranthene

Concen: 84.14 ng

RT: 14.88 min Scan# 1119

Delta R.T. -0.01 min

Lab File: BF083076.D

Acq: 20 Nov 2015 12:21

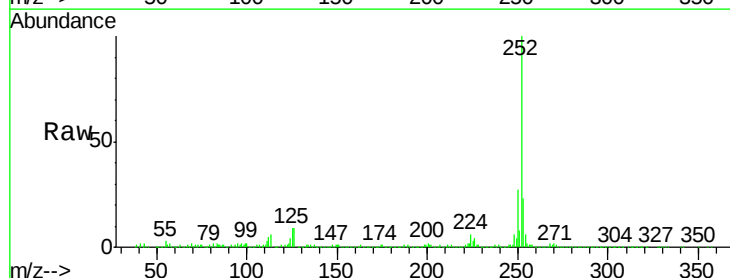
Tgt Ion:252 Resp: 1494833

Ion Ratio Lower Upper

252 100

253 22.8 17.8 26.6

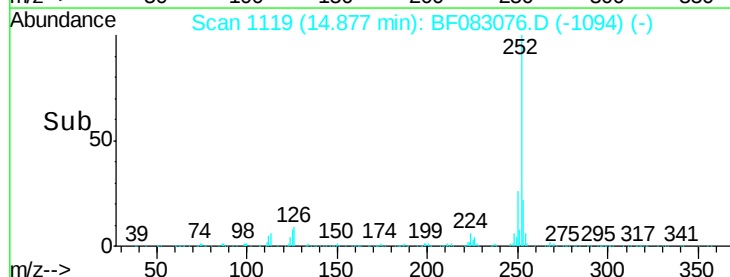
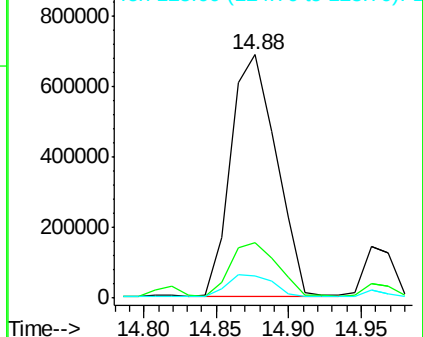
125 9.0 3.8 5.6#

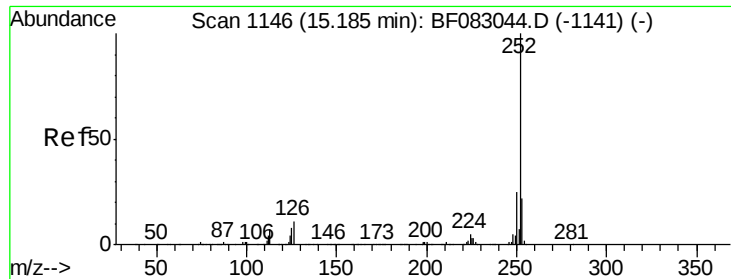


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

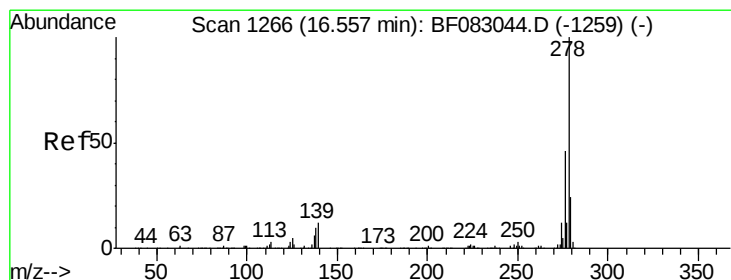
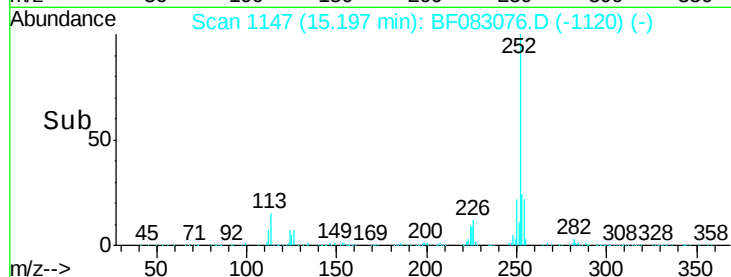
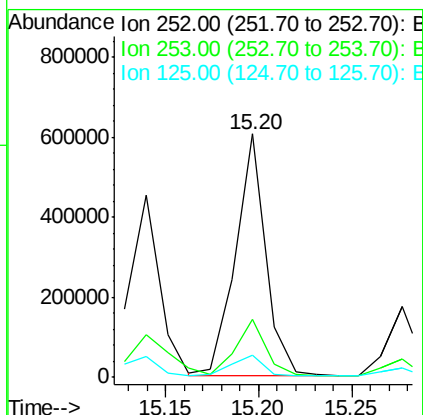
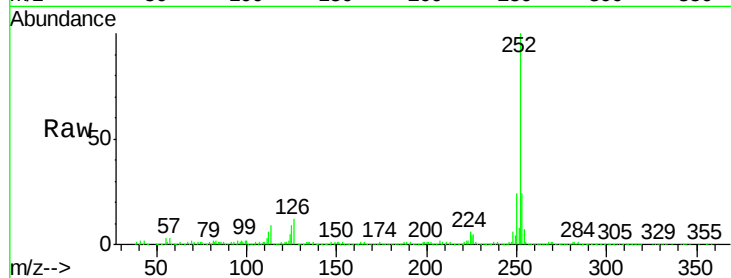




#89
Benzo(a)pyrene
Concen: 36.63 ng
RT: 15.20 min Scan# 1147
Delta R.T. 0.01 min
Lab File: BF083076.D
Acq: 20 Nov 2015 12:21

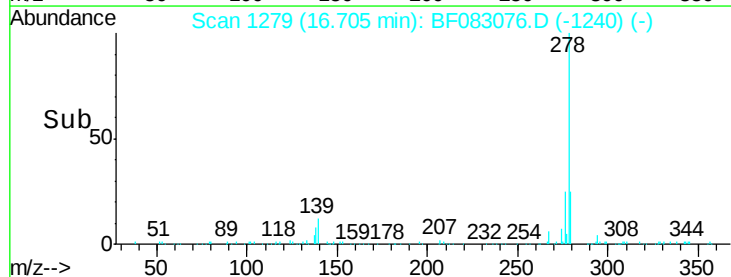
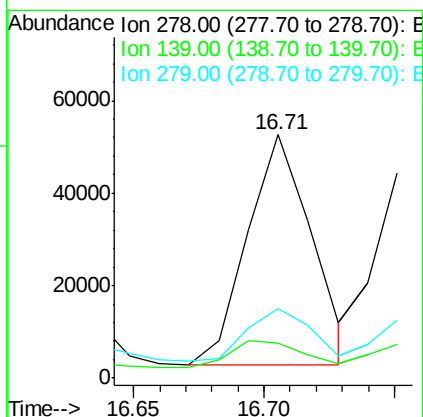
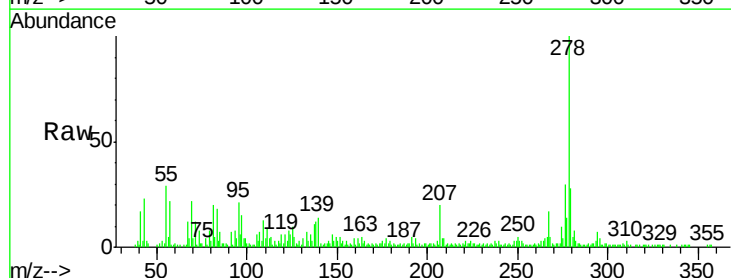
Instrument :
BNA_F
ClientSampleId :
OS-1601

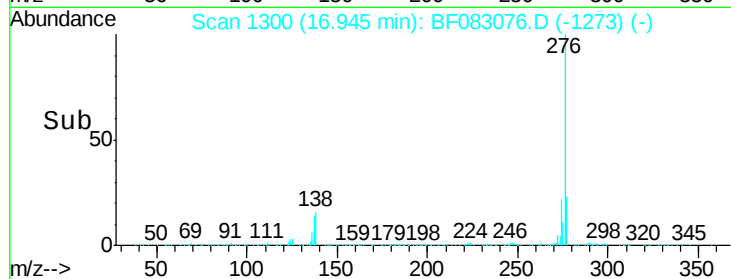
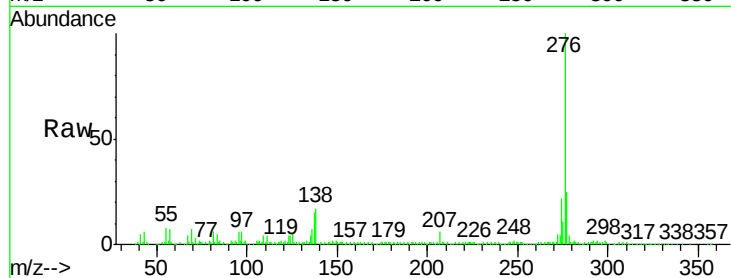
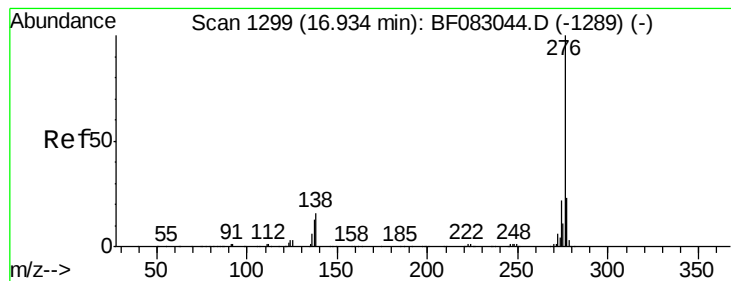
Tgt Ion:252 Resp: 685555
Ion Ratio Lower Upper
252 100
253 23.6 17.5 26.3
125 9.0 6.4 9.6



#90
Dibenzo(a,h)anthracene
Concen: 5.27 ng
RT: 16.71 min Scan# 1279
Delta R.T. 0.15 min
Lab File: BF083076.D
Acq: 20 Nov 2015 12:21

Tgt Ion:278 Resp: 85870
Ion Ratio Lower Upper
278 100
139 14.3 9.8 14.8
279 28.4 19.6 29.4





#91

Benzo(g,h,i)perylene

Concen: 21.94 ng

RT: 16.95 min Scan# 1300

Delta R.T. 0.01 min

Lab File: BF083076.D

Acq: 20 Nov 2015 12:21

Instrument :

BNA_F

ClientSampleId :

OS-1601

Tgt Ion: 276 Resp: 348559

Ion Ratio Lower Upper

276 100

277 24.6 18.6 27.8

138 16.9 12.5 18.7

