

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031016\
 Data File : BF085343.D
 Acq On : 10 Mar 2016 19:59
 Operator : UM/SJ
 Sample : H1753-22
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 10 23:55:55 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 04 00:54:58 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	156851	20.00	ng	-0.05
21) Naphthalene-d8	8.22	136	551101	20.00	ng	-0.05
38) Acenaphthene-d10	9.98	164	242934	20.00	ng	-0.05
63) Phenanthrene-d10	11.46	188	340582	20.00	ng	-0.05
75) Chrysene-d12	14.11	240	248661	20.00	ng	-0.05
86) Perylene-d12	15.57	264	253647	20.00	ng	-0.05

System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	1194712	127.76	ng	-0.03
7) Phenol-d6	6.57	99	1785821	145.77	ng	-0.03
23) Nitrobenzene-d5	7.50	82	1007875	97.86	ng	-0.05
41) 2,4,6-Tribromophenol	10.77	330	259302	124.74	ng	-0.05
44) 2-Fluorobiphenyl	9.30	172	1567891	98.15	ng	-0.05
78) Terphenyl-d14	13.05	244	989908	92.41	ng	-0.03

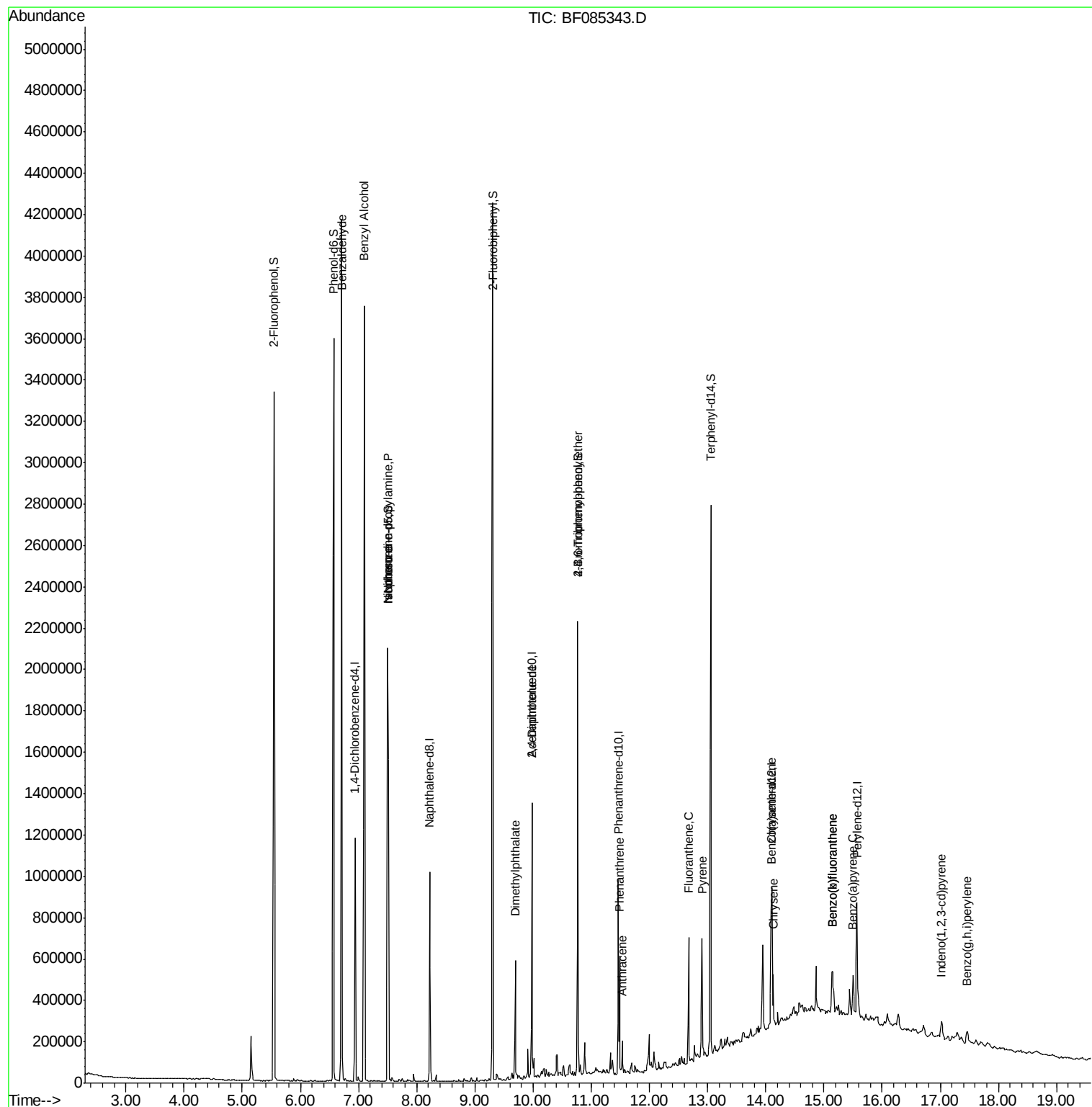
Target Compounds						Qvalue
9) Benzaldehyde	6.71	77	30447	2.42	ng	85
15) Benzyl Alcohol	7.10	79	18236	2.03	ng	# 47
19) n-Nitroso-di-n-propylamine	7.50	70	130701	16.37	ng	# 78
25) Isophorone	7.50	82	897907	47.05	ng	# 67
49) Dimethylphthalate	9.69	163	236654	12.69	ng	99
56) 2,4-Dinitrotoluene	9.98	165	31997	6.27	ng	# 22
66) 4-Bromophenyl-phenylether	10.77	248	18651	5.64	ng	# 1
70) Phenanthrene	11.49	178	206773	11.58	ng	97
71) Anthracene	11.53	178	57573	3.04	ng	99
74) Fluoranthene	12.68	202	245166	13.69	ng	97
77) Pyrene	12.91	202	240877	12.87	ng	97
80) Benzo(a)anthracene	14.09	228	130585	8.77	ng	99
82) Chrysene	14.13	228	77348	5.62	ng	97
85) Indeno(1,2,3-cd)pyrene	17.02	276	52824	4.92	ng	# 90
87) Benzo(b)fluoranthene	15.15	252	168388	9.96	ng	# 95
88) Benzo(k)fluoranthene	15.15	252	168275	12.34	ng	# 94
89) Benzo(a)pyrene	15.50	252	94642	6.76	ng	# 90
91) Benzo(g,h,i)perylene	17.47	276	50683	4.21	ng	94

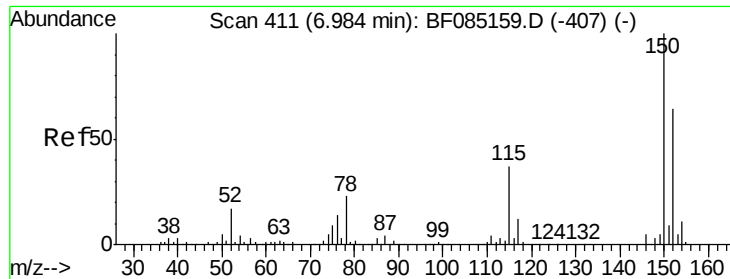
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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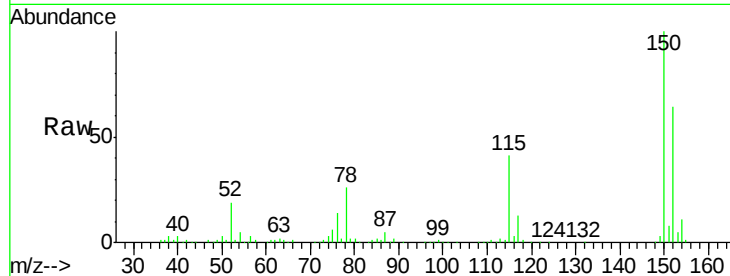


#1

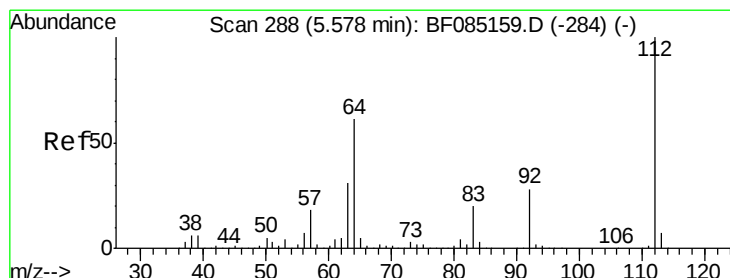
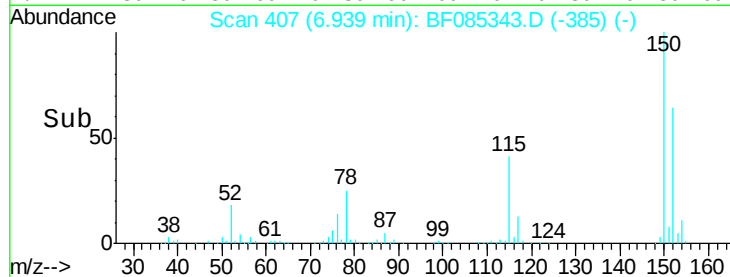
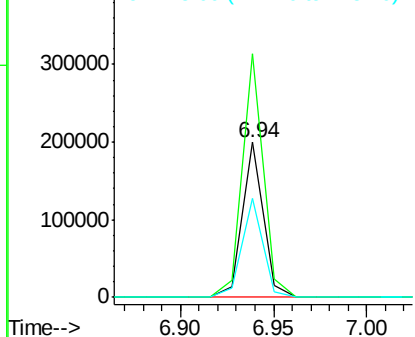
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.94 min Scan# 407
 Delta R.T. -0.05 min
 Lab File: BF085343.D
 Acq: 10 Mar 2016 19:59

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.9	124.6	186.8
115	63.7	46.6	70.0



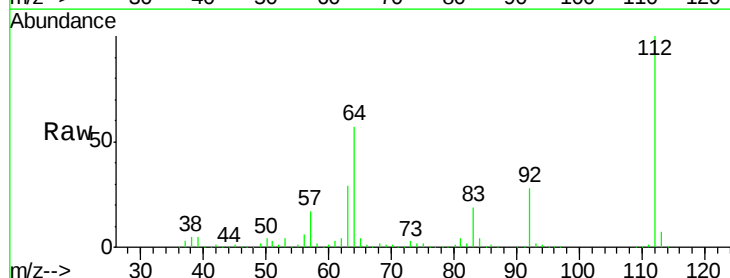
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



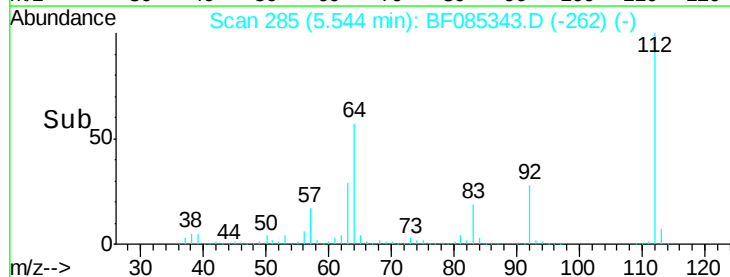
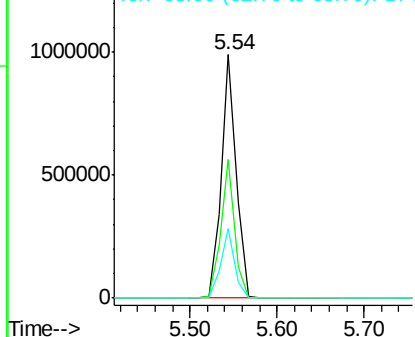
#5

2-Fluorophenol
 Concen: 127.76 ng
 RT: 5.54 min Scan# 285
 Delta R.T. -0.03 min
 Lab File: BF085343.D
 Acq: 10 Mar 2016 19:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.9	49.0	73.4
63	28.8	24.8	37.2



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: 145.77 ng

RT: 6.57 min Scan# 375

Delta R.T. -0.03 min

Lab File: BF085343.D

Acq: 10 Mar 2016 19:59

Instrument :

BNA_F

ClientSampleId :

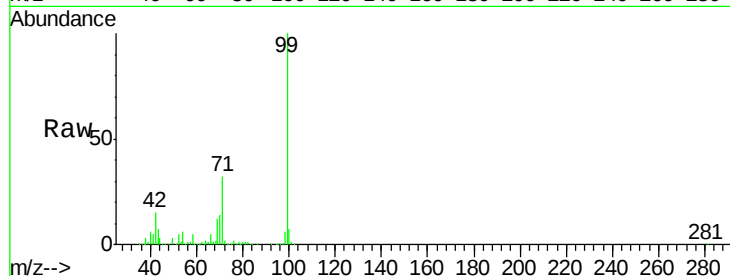
Tot Ion: 99 Resp: 1785821

Ion Ratio Lower Upper

99 100

42 14.5 13.6 20.4

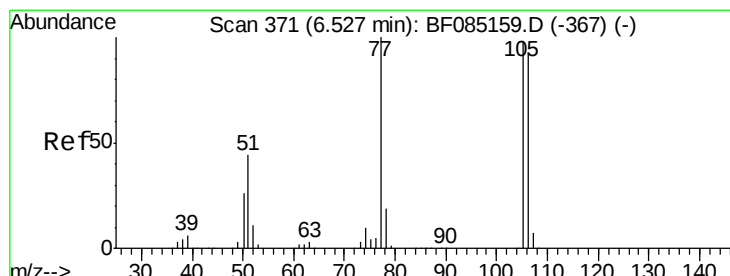
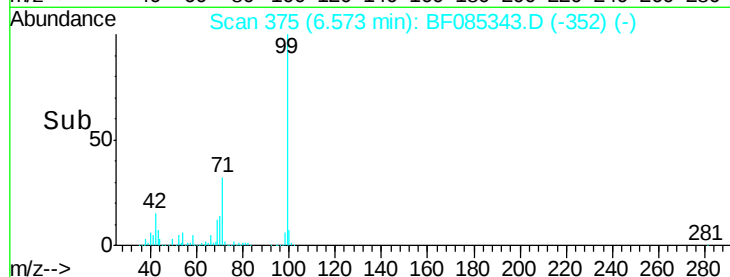
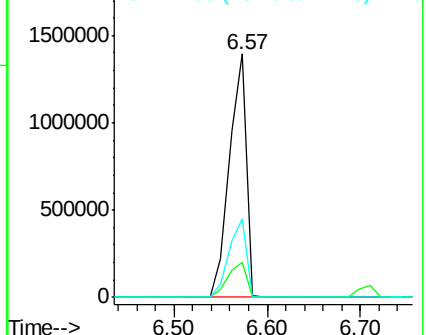
71 32.3 26.7 40.1



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: 2.42 ng

RT: 6.71 min Scan# 387

Delta R.T. 0.18 min

Lab File: BF085343.D

Acq: 10 Mar 2016 19:59

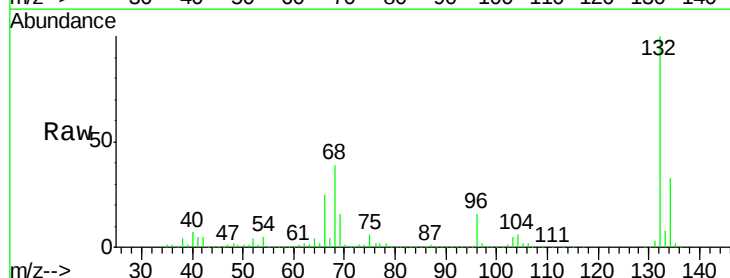
Tgt Ion: 77 Resp: 30447

Ion Ratio Lower Upper

77 100

105 83.4 78.2 118.2

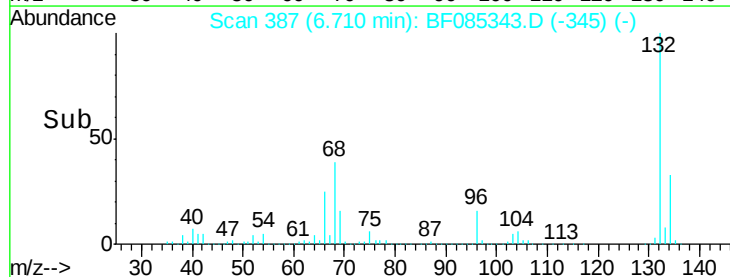
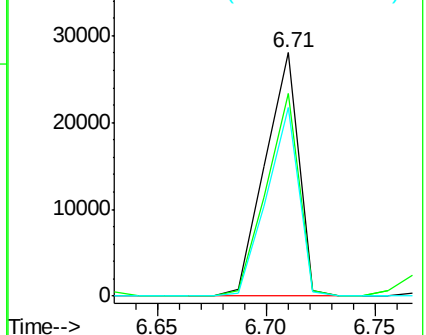
106 77.5 72.9 112.9

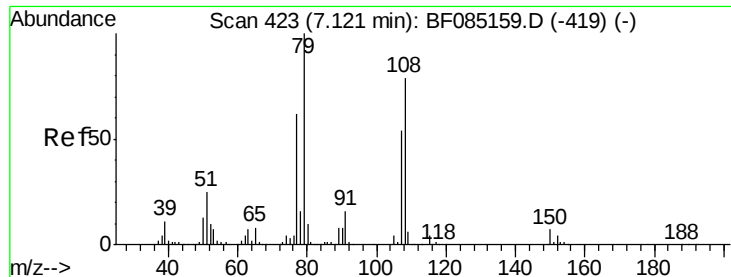


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 2.03 ng

RT: 7.10 min Scan# 421

Delta R.T. -0.02 min

Lab File: BF085343.D

Acq: 10 Mar 2016 19:59

Instrument :

BNA_F

ClientSampled :

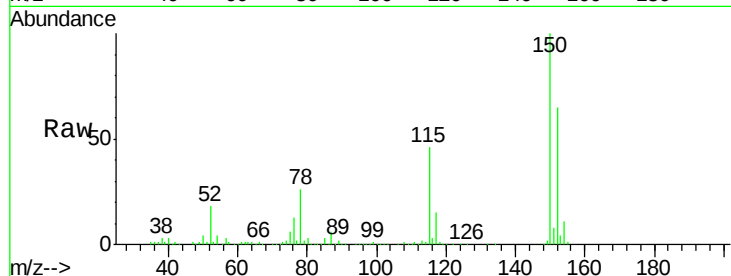
Tot Ion: 79 Resp: 18236

Ion Ratio Lower Upper

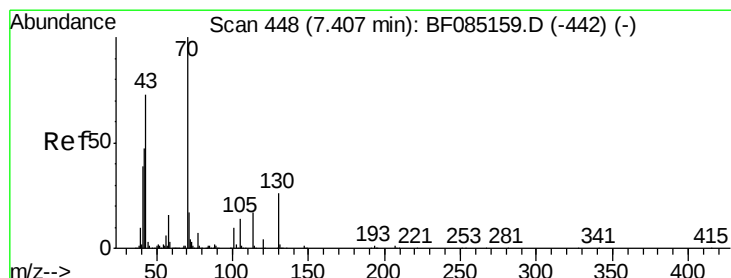
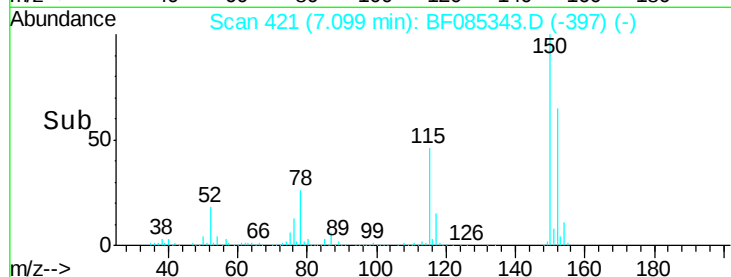
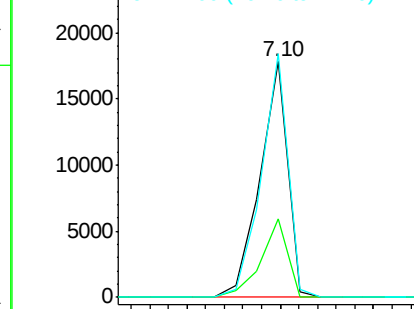
79 100

108 33.2 62.9 94.3#

77 103.3 49.5 74.3#



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: 16.37 ng

RT: 7.50 min Scan# 456

Delta R.T. 0.09 min

Lab File: BF085343.D

Acq: 10 Mar 2016 19:59

Tgt Ion: 70 Resp: 130701

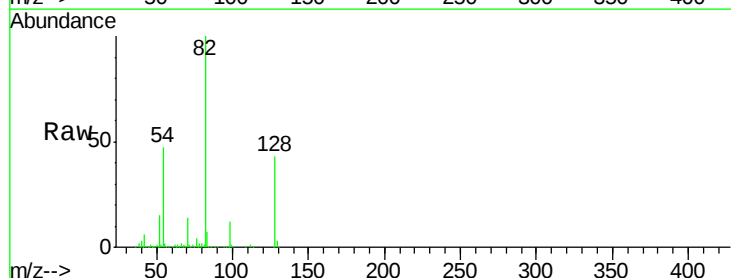
Ion Ratio Lower Upper

70 100

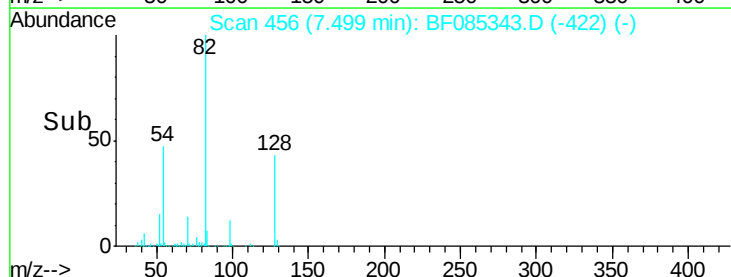
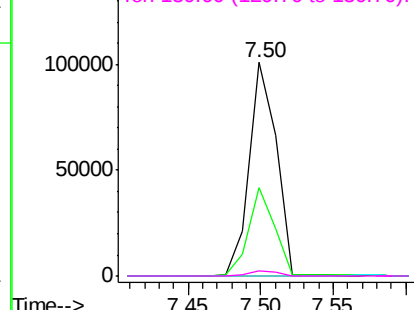
42 41.6 37.7 56.5

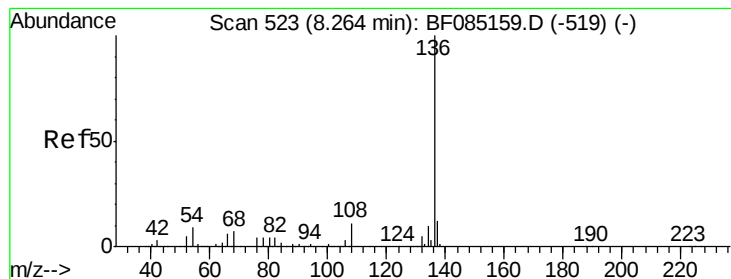
101 0.0 8.2 12.4#

130 2.3 20.5 30.7#



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: 8.22 min Scan# 519

Delta R.T. -0.05 min

Lab File: BF085343.D

Acq: 10 Mar 2016 19:59

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 551101

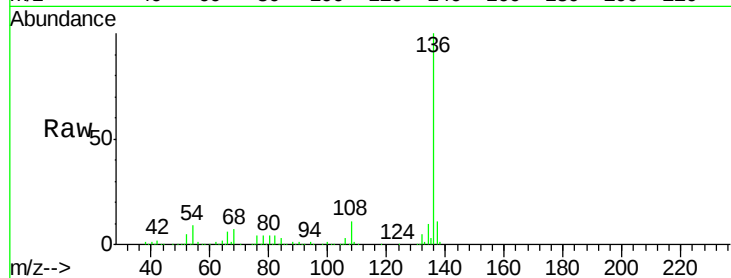
Ion Ratio Lower Upper

136 100

137 11.3 9.3 13.9

54 9.2 7.4 11.2

68 7.4 6.0 9.0

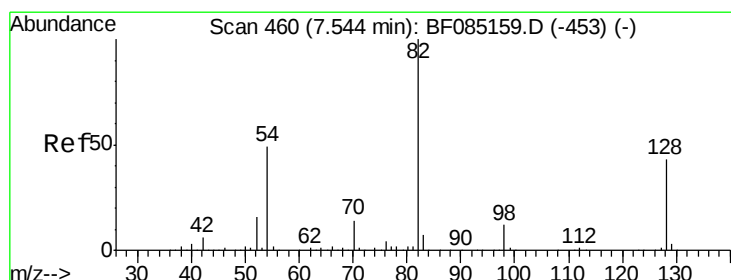
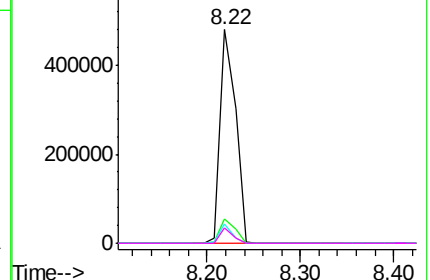
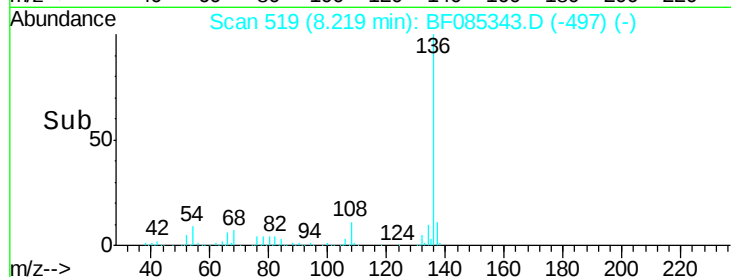


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 97.86 ng

RT: 7.50 min Scan# 456

Delta R.T. -0.05 min

Lab File: BF085343.D

Acq: 10 Mar 2016 19:59

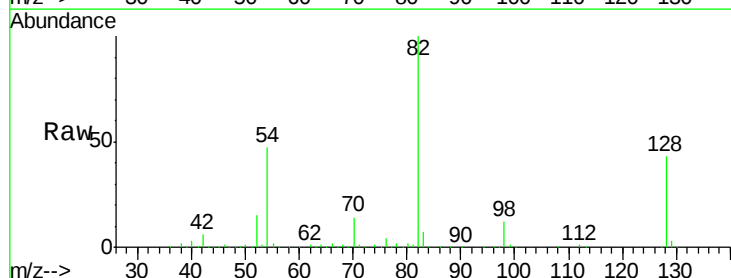
Tgt Ion: 82 Resp: 1007875

Ion Ratio Lower Upper

82 100

128 43.3 34.5 51.7

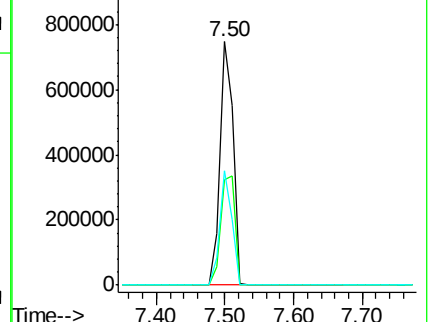
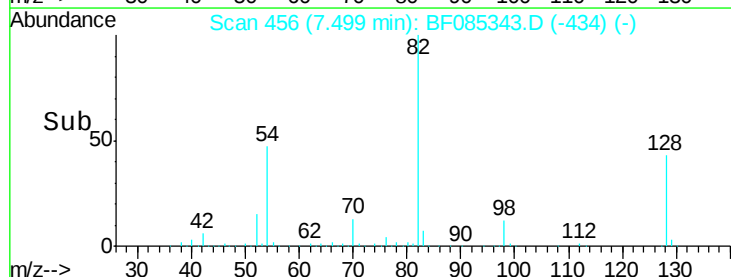
54 47.0 39.3 58.9

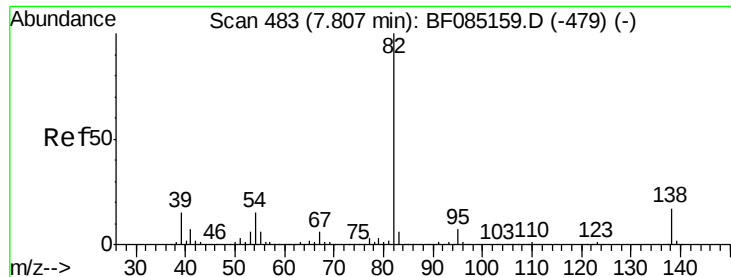


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 47.05 ng

RT: 7.50 min Scan# 456

Delta R.T. -0.31 min

Lab File: BF085343.D

Acq: 10 Mar 2016 19:59

Instrument :

BNA_F

ClientSampleId :

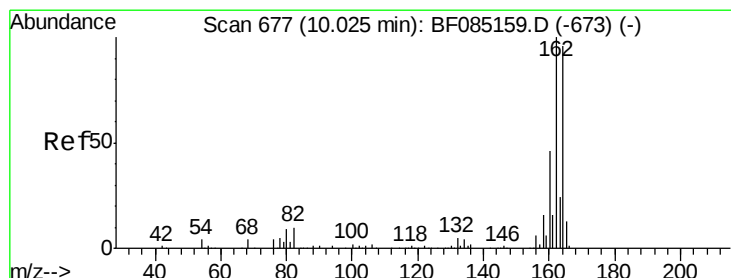
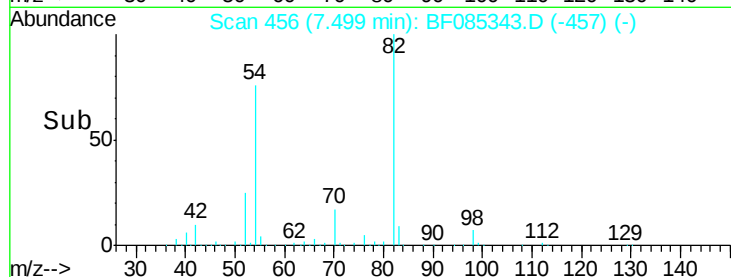
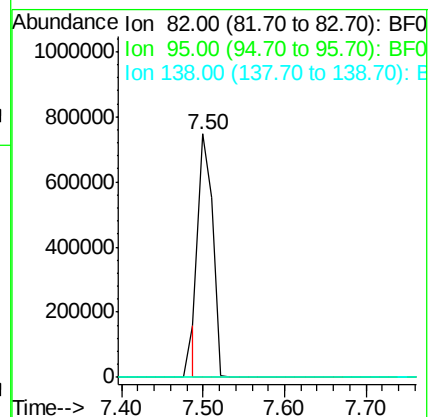
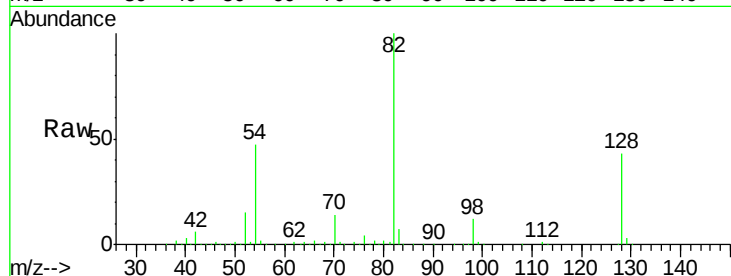
Tot Ion: 82 Resp: 897907

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

138 0.0 13.3 19.9#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.98 min Scan# 673

Delta R.T. -0.05 min

Lab File: BF085343.D

Acq: 10 Mar 2016 19:59

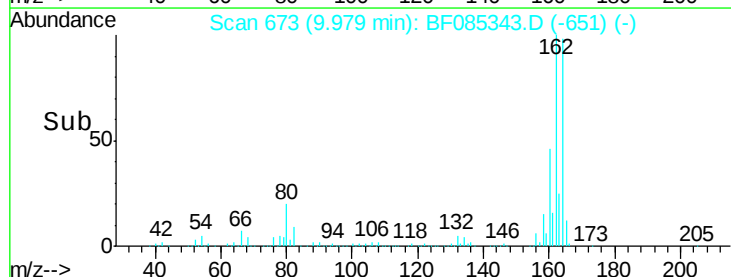
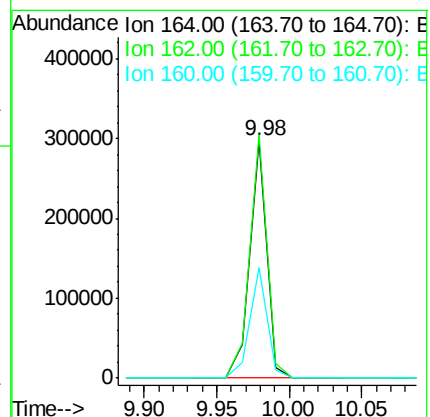
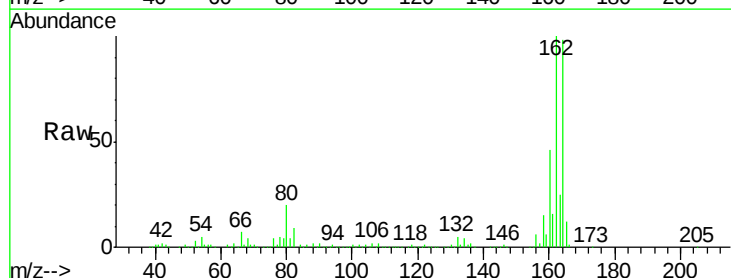
Tgt Ion: 164 Resp: 242934

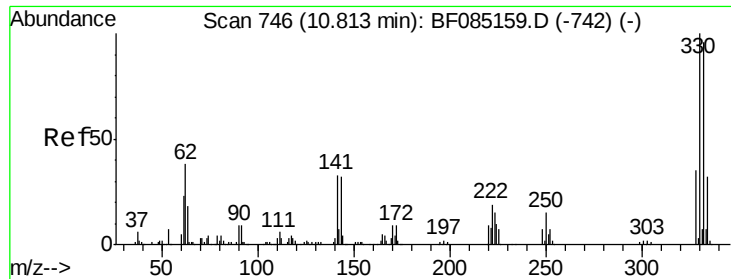
Ion Ratio Lower Upper

164 100

162 102.4 83.3 124.9

160 46.6 37.9 56.9

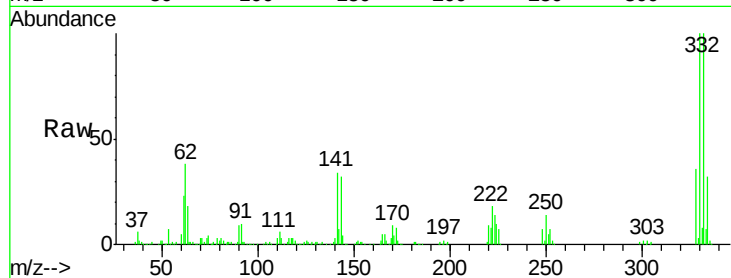




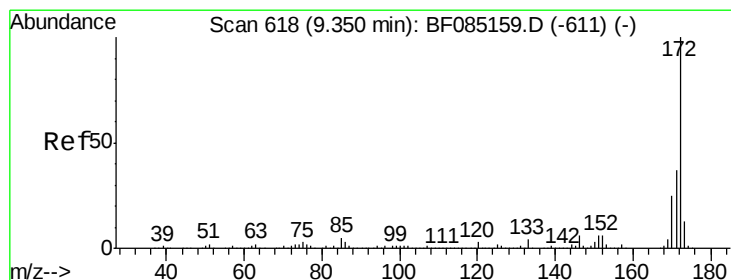
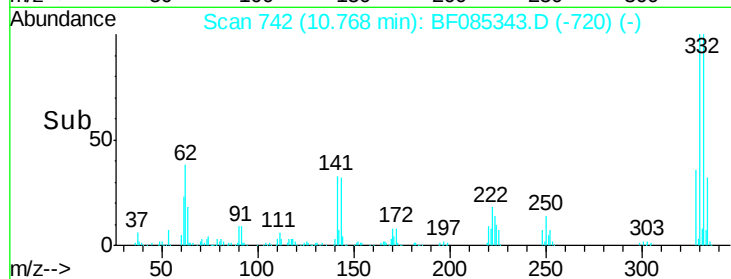
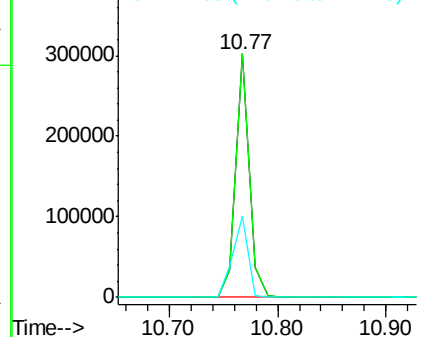
#41
 2,4,6-Tribromophenol
 Concen: 124.74 ng
 RT: 10.77 min Scan# 742
 Delta R.T. -0.05 min
 Lab File: BF085343.D
 Acq: 10 Mar 2016 19:59

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	99.7	77.1	115.7
141	38.1	35.0	52.6

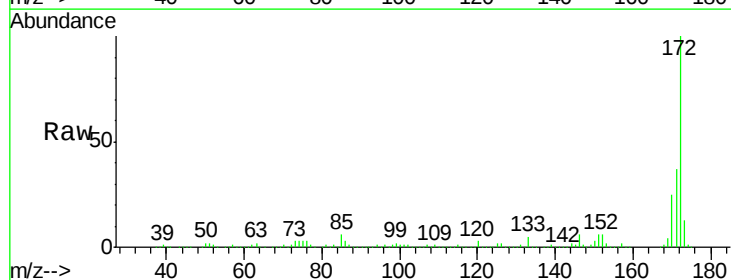


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

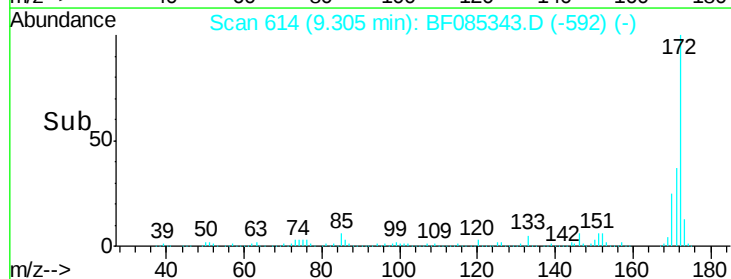
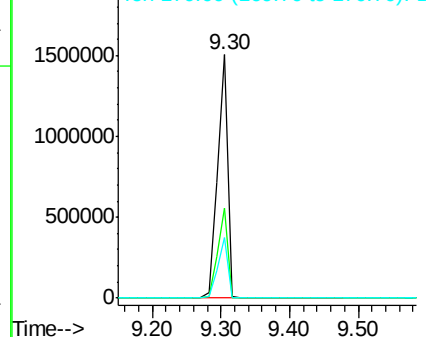


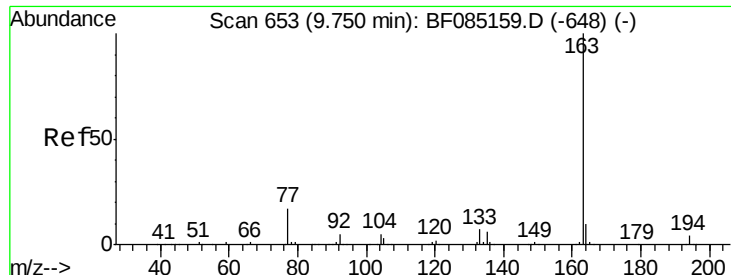
#44
 2-Fluorobiphenyl
 Concen: 98.15 ng
 RT: 9.30 min Scan# 614
 Delta R.T. -0.05 min
 Lab File: BF085343.D
 Acq: 10 Mar 2016 19:59

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.3	43.9
170	25.0	20.0	30.0



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





#49

Dimethylphthalate

Concen: 12.69 ng

RT: 9.69 min Scan# 648

Delta R.T. -0.06 min

Lab File: BF085343.D

Acq: 10 Mar 2016 19:59

Instrument :

BNA_F

ClientSampleId :

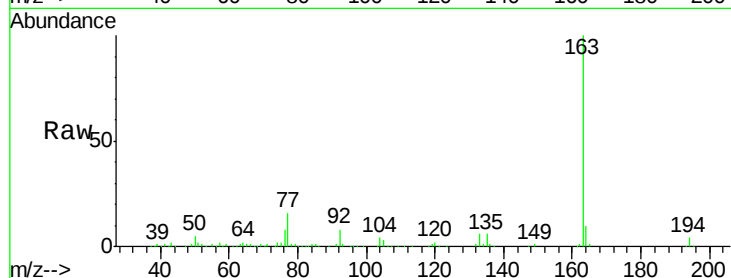
Tot Ion:163 Resp: 236654

Ion Ratio Lower Upper

163 100

194 3.8 3.1 4.7

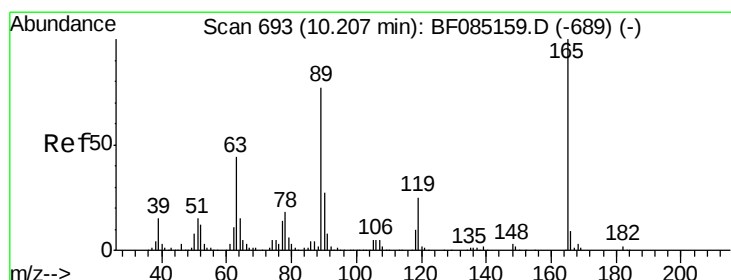
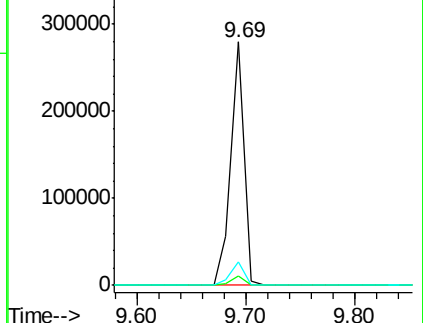
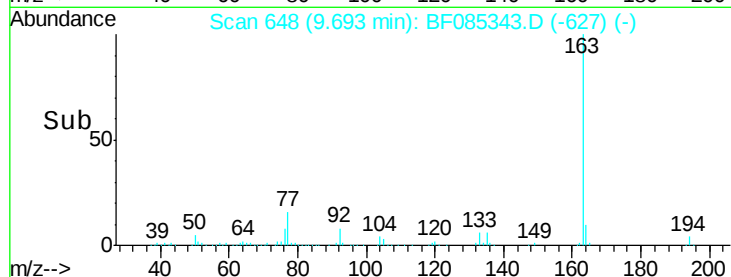
164 9.8 8.2 12.4



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: 6.27 ng

RT: 9.98 min Scan# 673

Delta R.T. -0.23 min

Lab File: BF085343.D

Acq: 10 Mar 2016 19:59

Tgt Ion:165 Resp: 31997

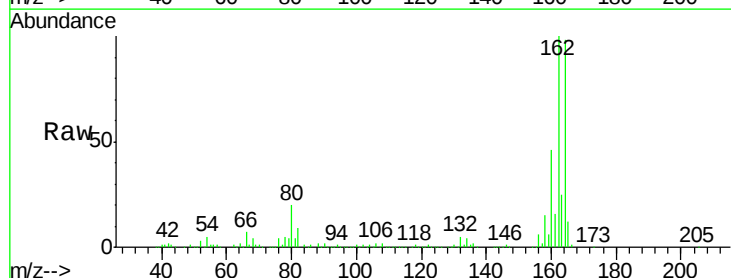
Ion Ratio Lower Upper

165 100

63 1.3 35.4 53.0#

89 1.7 61.9 92.9#

182 0.0 1.9 2.9#

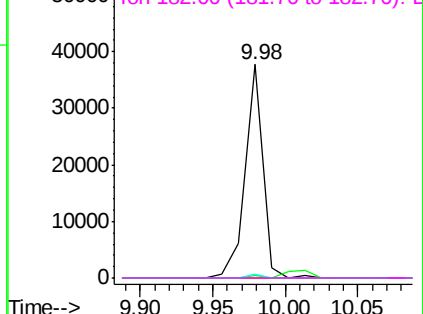
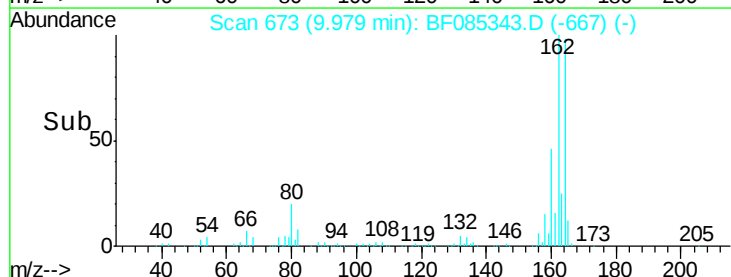


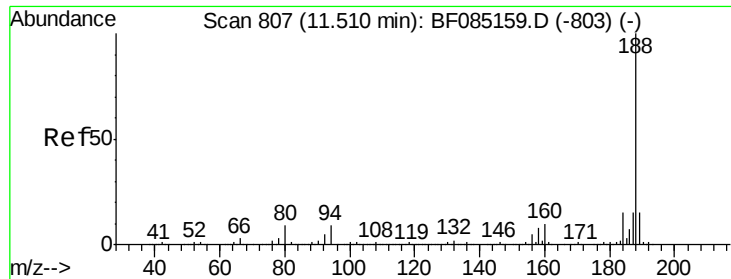
Abundance Ion 165.00 (164.70 to 165.70): E

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

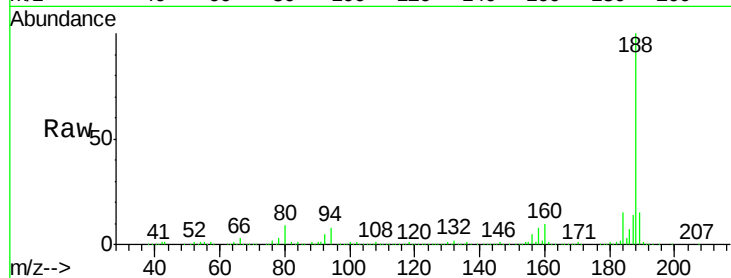




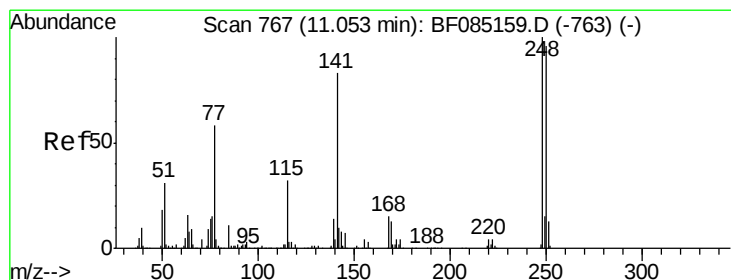
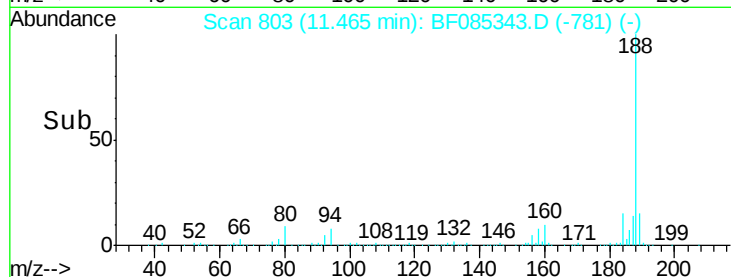
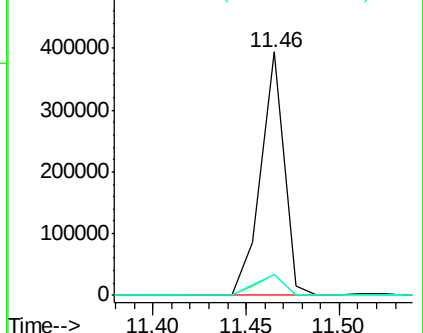
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.46 min Scan# 803
Delta R.T. -0.05 min
Lab File: BF085343.D
Acq: 10 Mar 2016 19:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 340582
Ion Ratio Lower Upper
188 100
94 8.4 7.0 10.6
80 8.7 7.4 11.0

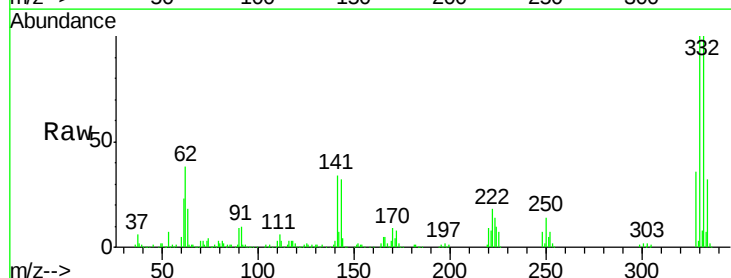


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

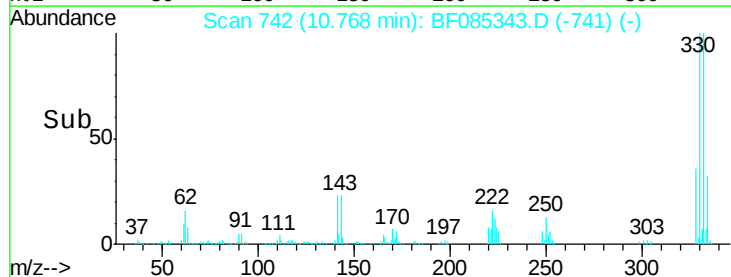
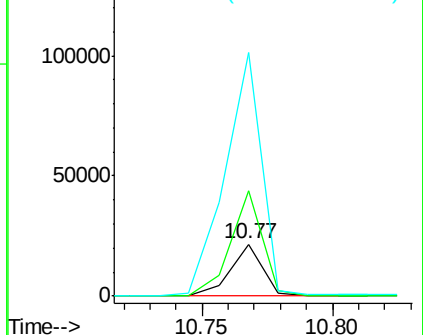


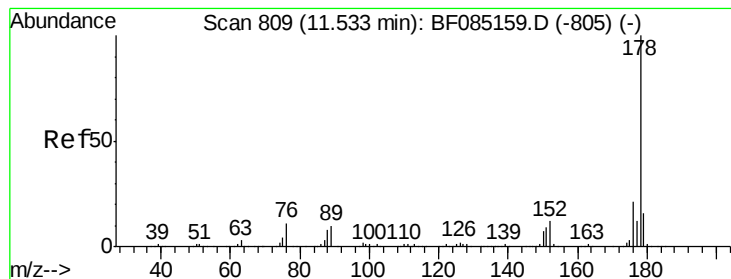
#66
4-Bromophenyl-phenylether
Concen: 5.64 ng
RT: 10.77 min Scan# 742
Delta R.T. -0.29 min
Lab File: BF085343.D
Acq: 10 Mar 2016 19:59

Tgt Ion:248 Resp: 18651
Ion Ratio Lower Upper
248 100
250 200.9 77.1 115.7#
141 465.8 66.2 99.2#



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: 11.58 ng

RT: 11.49 min Scan# 805

Delta R.T. -0.05 min

Lab File: BF085343.D

Acq: 10 Mar 2016 19:59

Instrument :

BNA_F

ClientSampleId :

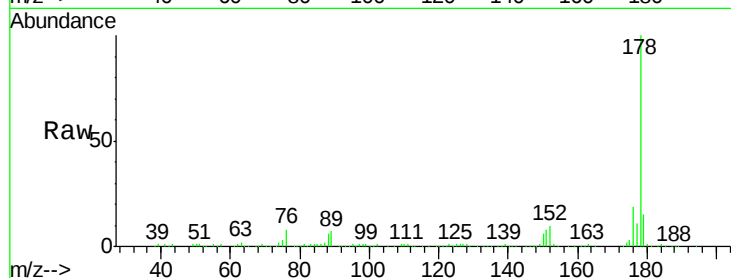
Tot Ion:178 Resp: 206773

Ion Ratio Lower Upper

178 100

176 19.4 16.8 25.2

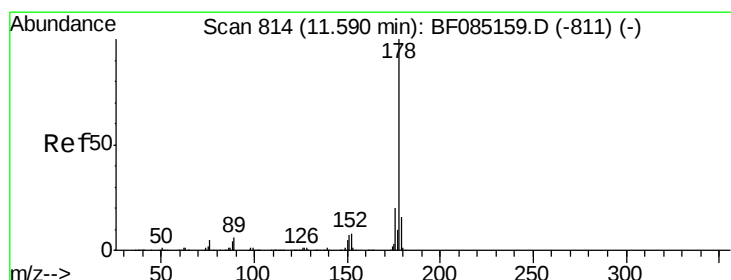
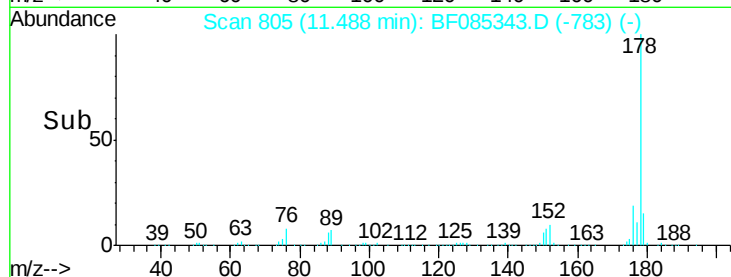
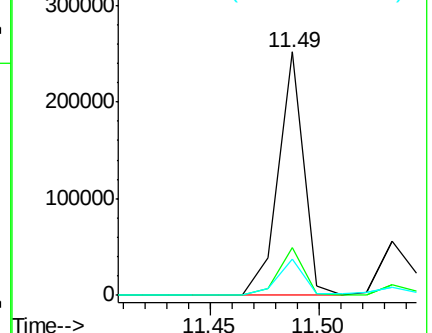
179 14.9 13.1 19.7



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



#71

Anthracene

Concen: 3.04 ng

RT: 11.53 min Scan# 809

Delta R.T. -0.06 min

Lab File: BF085343.D

Acq: 10 Mar 2016 19:59

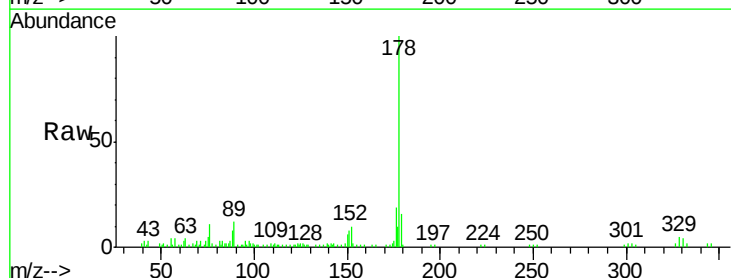
Tgt Ion:178 Resp: 57573

Ion Ratio Lower Upper

178 100

176 19.1 15.9 23.9

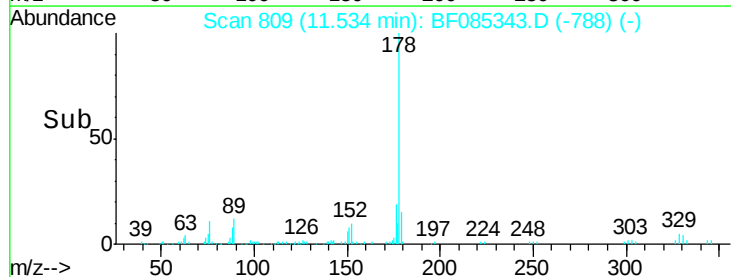
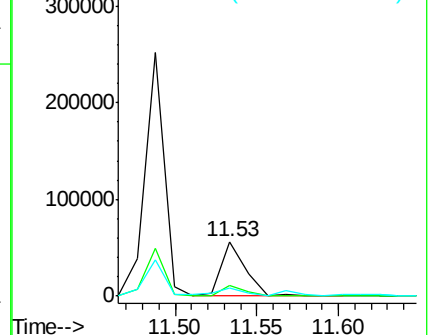
179 15.7 12.5 18.7

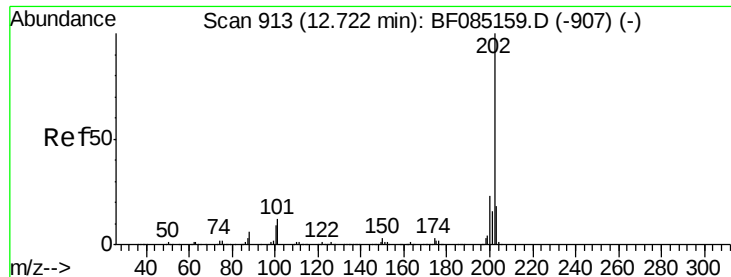


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 13.69 ng

RT: 12.68 min Scan# 909

Delta R.T. -0.05 min

Lab File: BF085343.D

Acq: 10 Mar 2016 19:59

Instrument :

BNA_F

ClientSampleId :

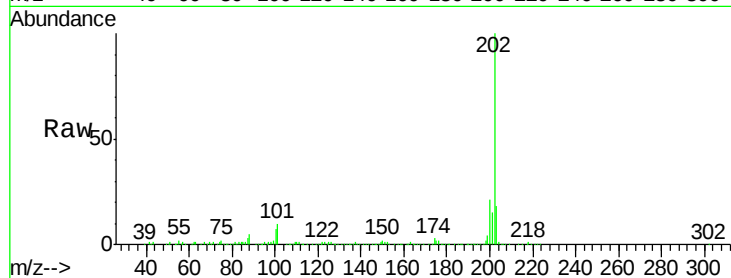
Tot Ion:202 Resp: 245166

Ion Ratio Lower Upper

202 100

101 9.8 0.0 31.8

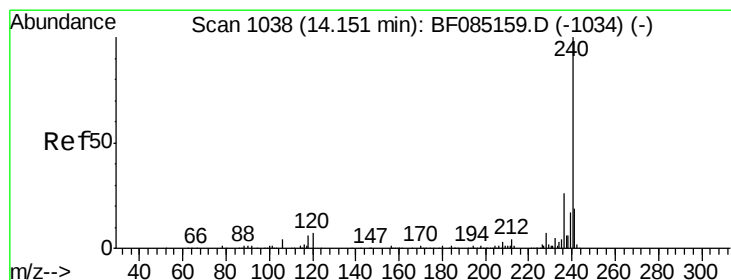
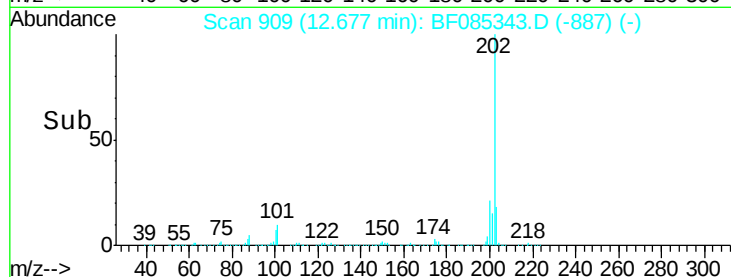
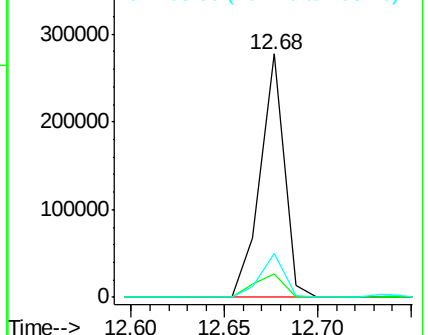
203 17.9 0.0 38.4



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: 14.11 min Scan# 1034

Delta R.T. -0.05 min

Lab File: BF085343.D

Acq: 10 Mar 2016 19:59

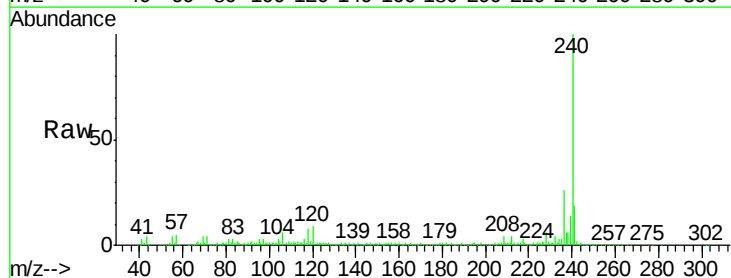
Tgt Ion:240 Resp: 248661

Ion Ratio Lower Upper

240 100

120 9.0 5.3 7.9#

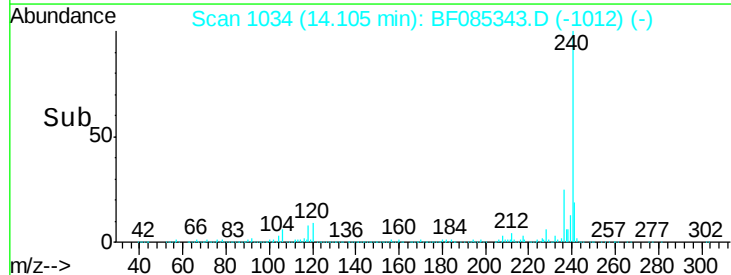
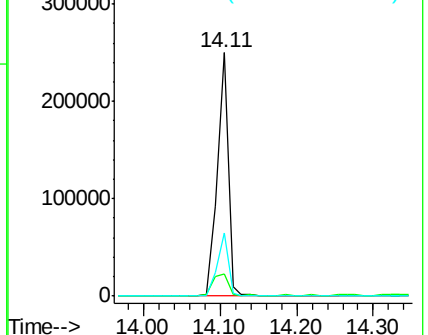
236 25.8 20.7 31.1

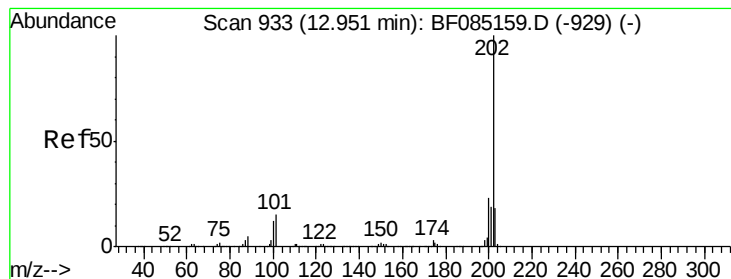


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 12.87 ng

RT: 12.91 min Scan# 929

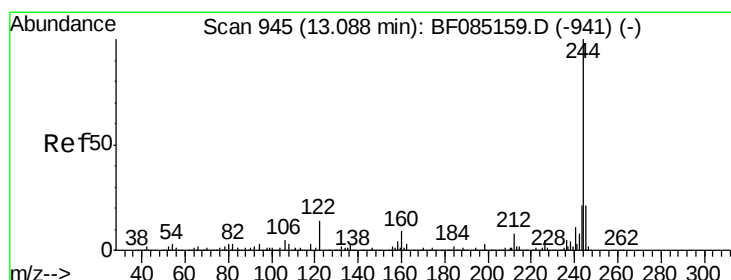
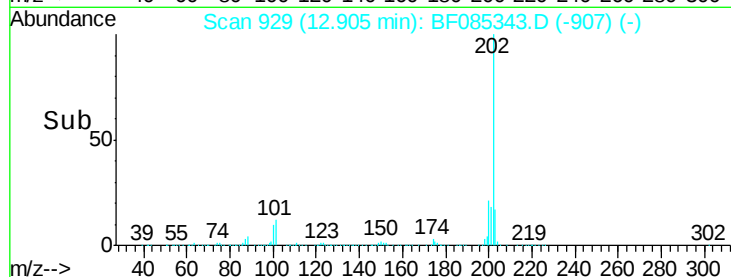
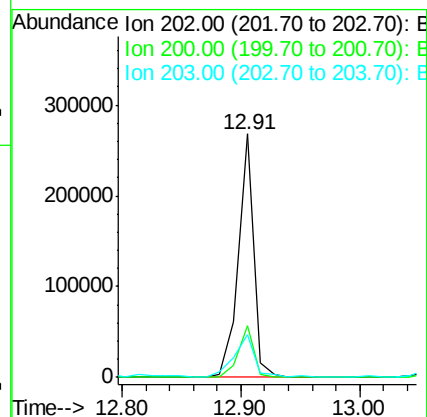
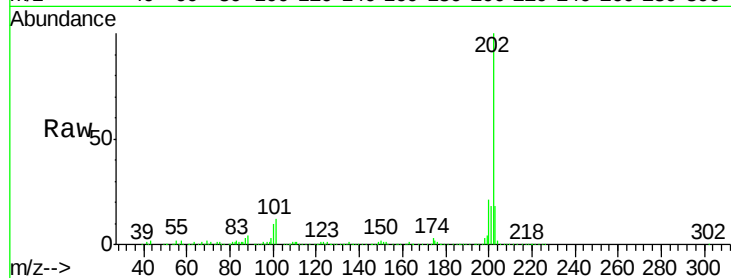
Delta R.T. -0.05 min

Lab File: BF085343.D

Acq: 10 Mar 2016 19:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	202	Resp:	240877
Ion	Ratio	Lower	Upper
202	100		
200	21.2	18.2	27.4
203	17.6	14.7	22.1



#78

Terphenyl-d14

Concen: 92.41 ng

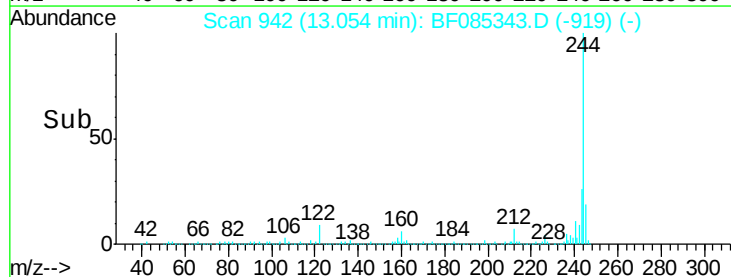
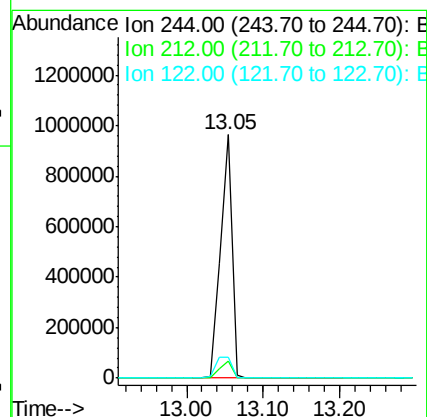
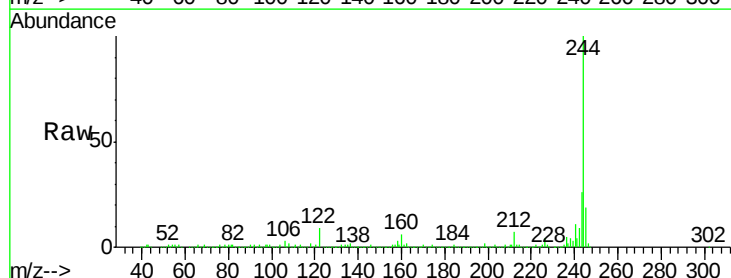
RT: 13.05 min Scan# 942

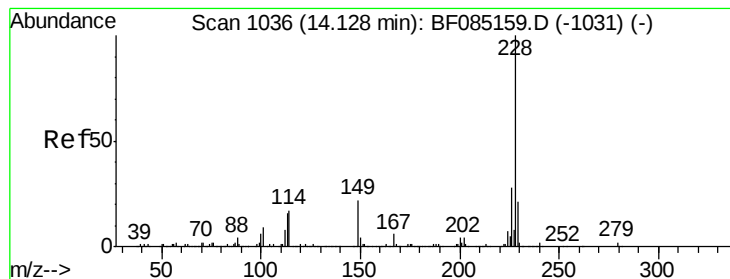
Delta R.T. -0.03 min

Lab File: BF085343.D

Acq: 10 Mar 2016 19:59

Tgt Ion:	244	Resp:	989908
Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.4	9.6
122	8.5	11.4	17.2#





#80

Benzo(a)anthracene

Concen: 8.77 ng

RT: 14.09 min Scan# 1033

Delta R.T. -0.03 min

Lab File: BF085343.D

Acq: 10 Mar 2016 19:59

Instrument :

BNA_F

ClientSampleId :

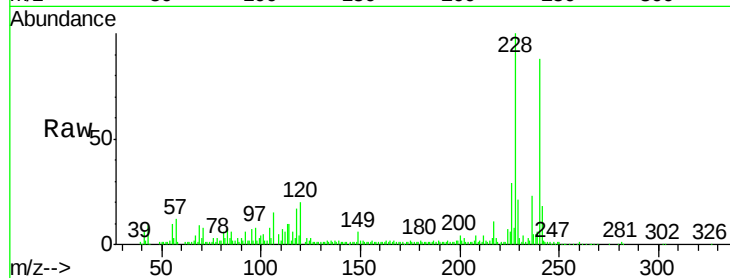
Tot Ion:228 Resp: 130585

Ion Ratio Lower Upper

228 100

226 28.8 22.8 34.2

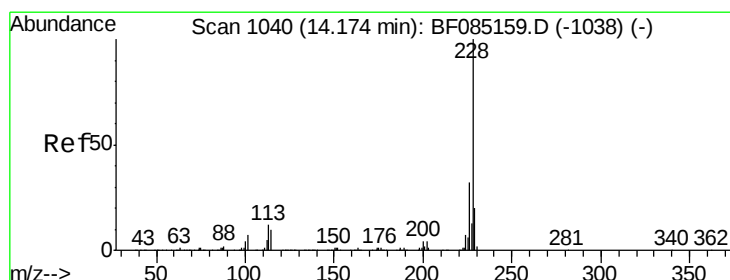
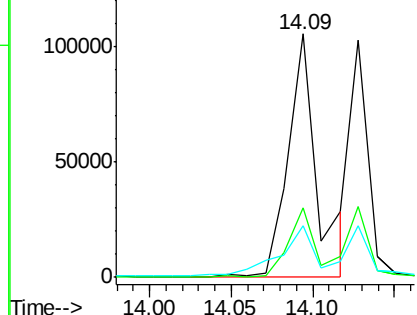
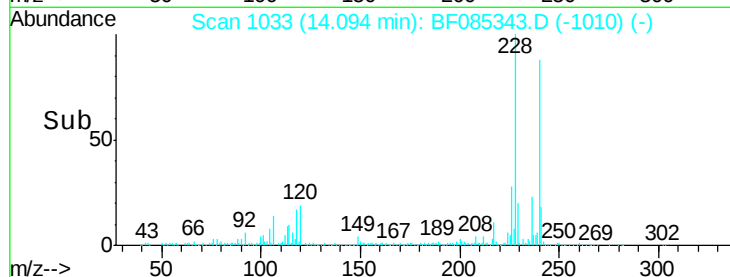
229 21.0 16.6 24.8



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: 5.62 ng

RT: 14.13 min Scan# 1036

Delta R.T. -0.05 min

Lab File: BF085343.D

Acq: 10 Mar 2016 19:59

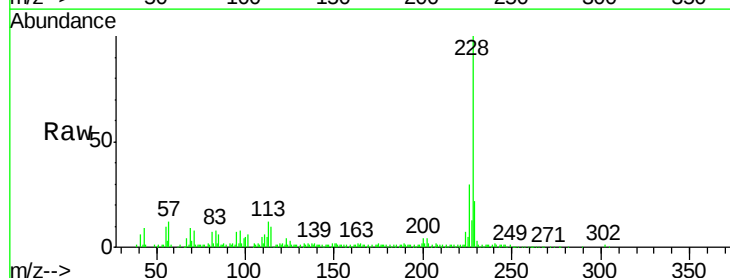
Tgt Ion:228 Resp: 77348

Ion Ratio Lower Upper

228 100

226 29.6 25.2 37.8

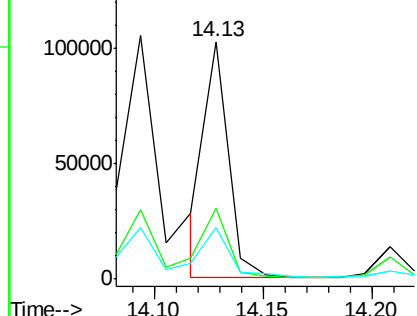
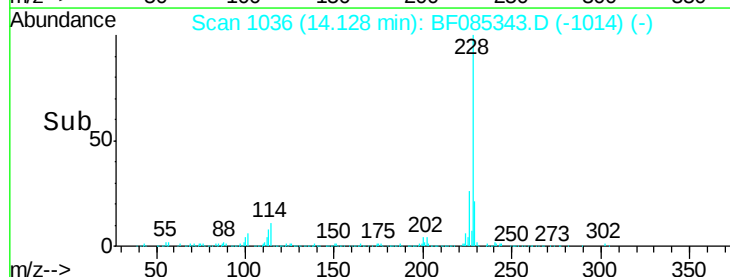
229 21.7 16.0 24.0

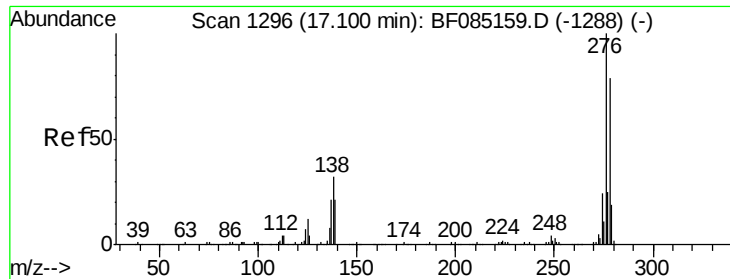


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

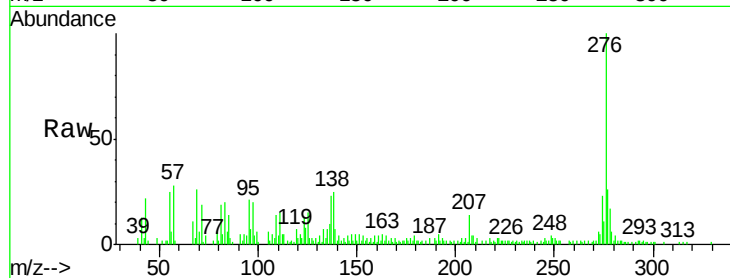




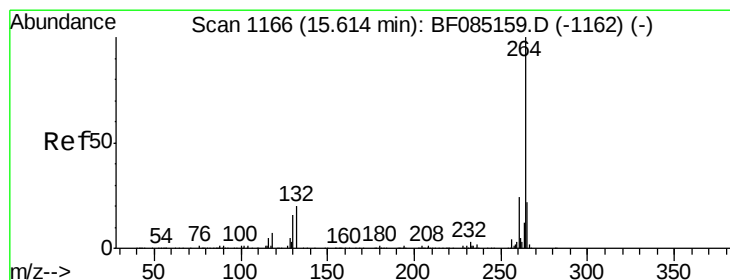
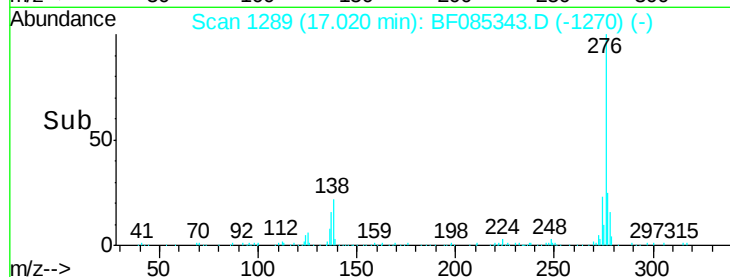
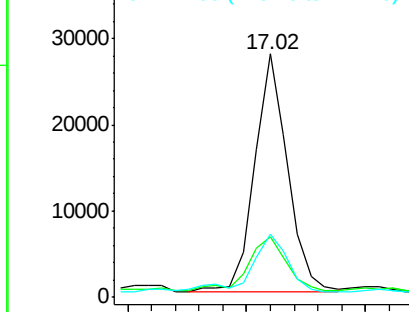
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.92 ng
 RT: 17.02 min Scan# 1289
 Delta R.T. -0.08 min
 Lab File: BF085343.D
 Acq: 10 Mar 2016 19:59

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:276 Resp: 52824
 Ion Ratio Lower Upper
 276 100
 138 26.1 26.4 39.6#
 277 29.0 20.2 30.2

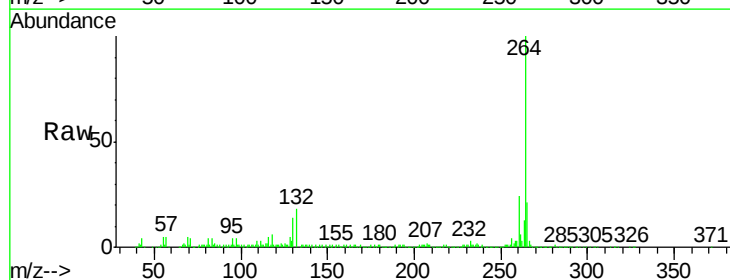


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

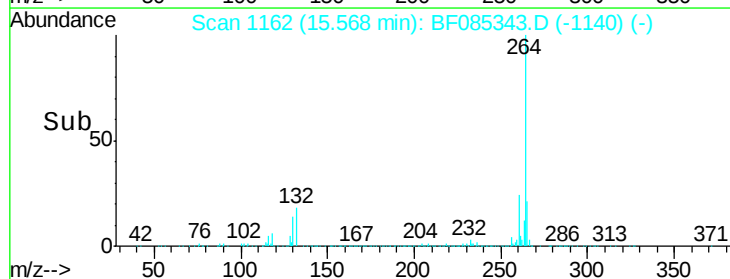
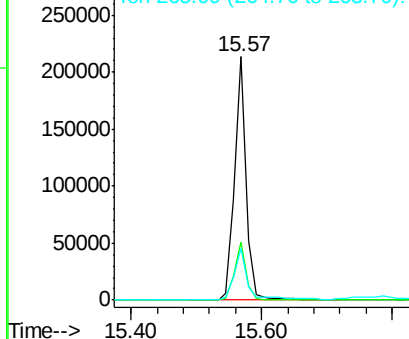


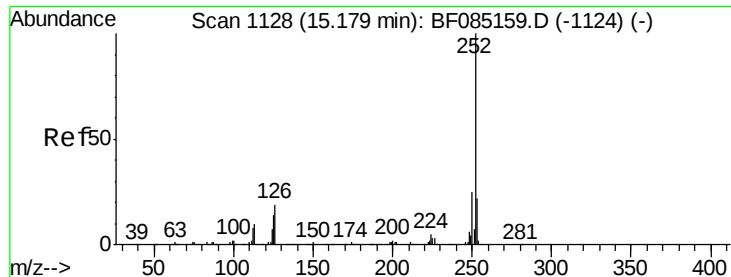
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.57 min Scan# 1162
 Delta R.T. -0.05 min
 Lab File: BF085343.D
 Acq: 10 Mar 2016 19:59

Tgt Ion:264 Resp: 253647
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.2 28.8
 265 21.4 17.3 25.9



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: 9.96 ng

RT: 15.15 min Scan# 1125

Delta R.T. -0.03 min

Lab File: BF085343.D

Acq: 10 Mar 2016 19:59

Instrument :

BNA_F

ClientSampled :

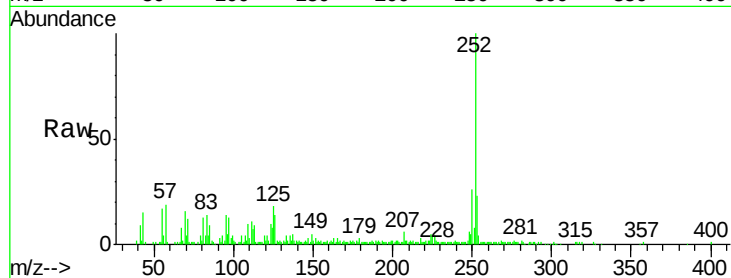
Tot Ion:252 Resp: 168388

Ion Ratio Lower Upper

252 100

253 23.2 17.8 26.6

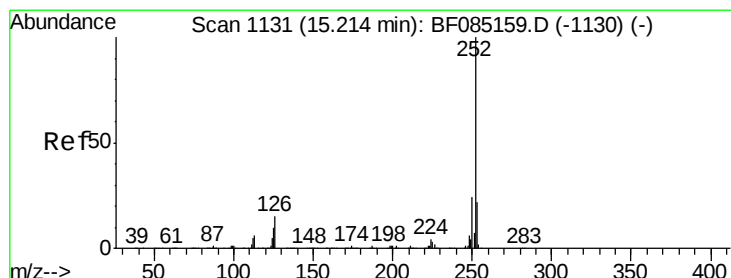
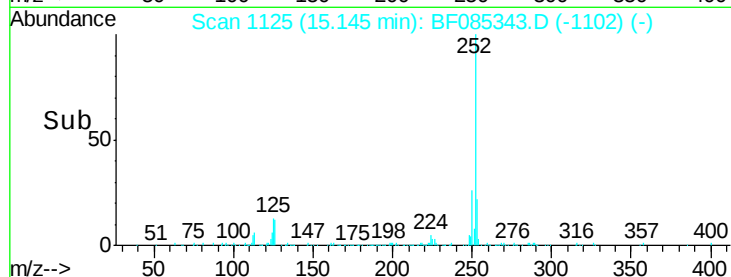
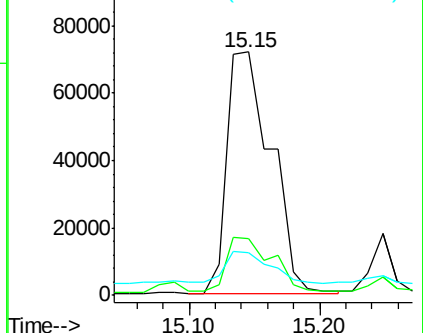
125 17.7 11.3 16.9#



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: 12.34 ng

RT: 15.15 min Scan# 1125

Delta R.T. -0.07 min

Lab File: BF085343.D

Acq: 10 Mar 2016 19:59

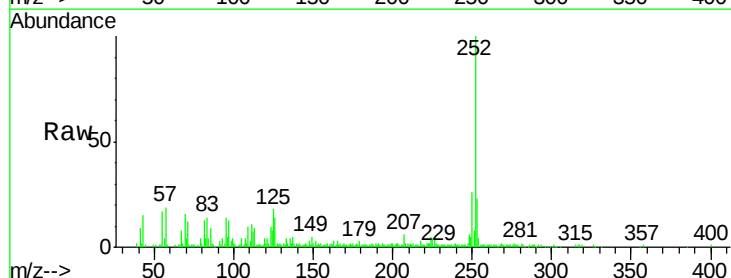
Tgt Ion:252 Resp: 168275

Ion Ratio Lower Upper

252 100

253 23.2 17.8 26.6

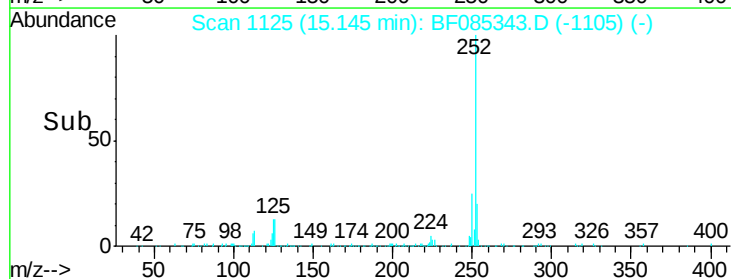
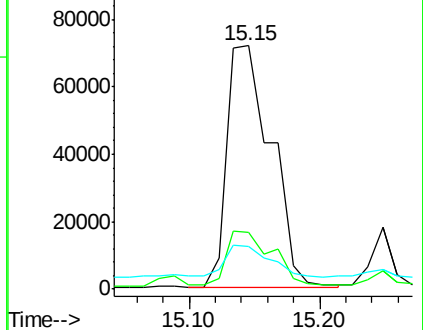
125 17.7 10.4 15.6#

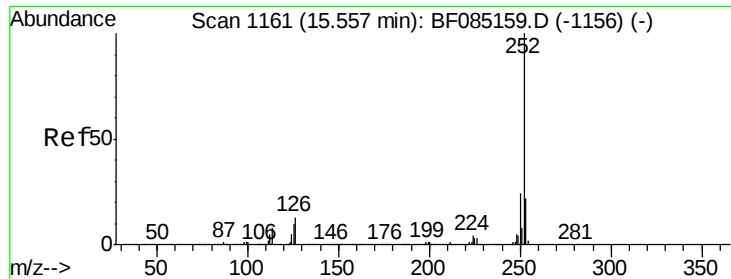


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

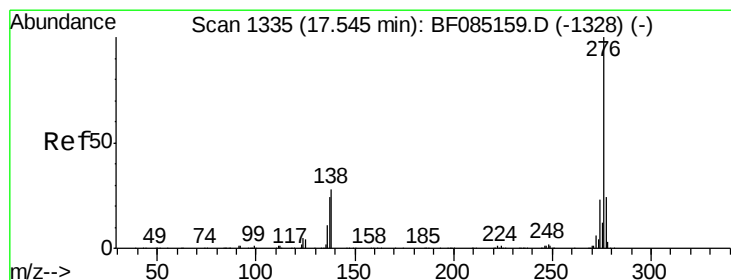
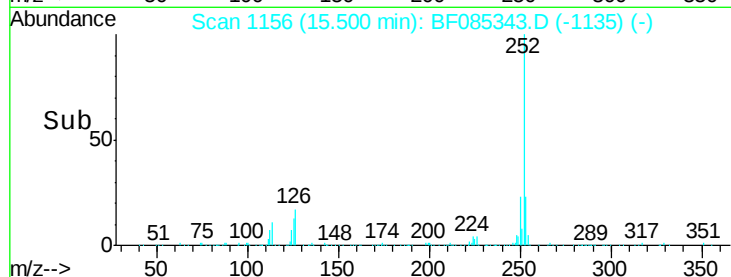
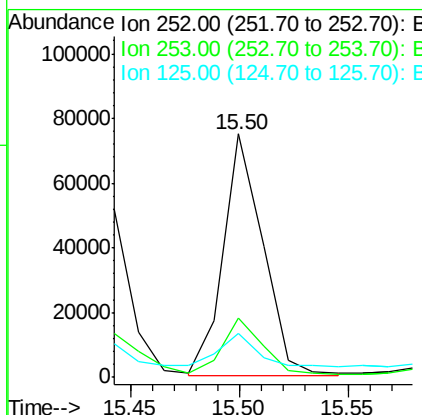
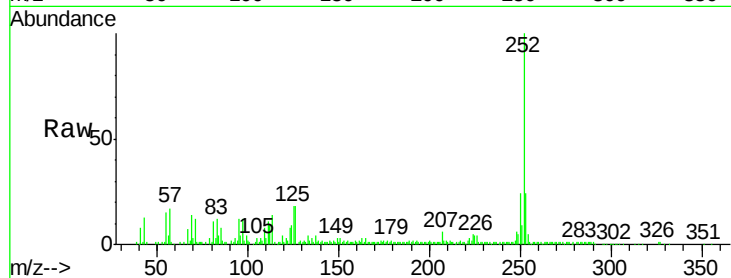




#89
Benzo(a)pyrene
Concen: 6.76 ng
RT: 15.50 min Scan# 1156
Delta R.T. -0.06 min
Lab File: BF085343.D
Acq: 10 Mar 2016 19:59

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 94642
Ion Ratio Lower Upper
252 100
253 24.2 17.4 26.0
125 17.8 8.2 12.4#



#91
Benzo(g,h,i)perylene
Concen: 4.21 ng
RT: 17.47 min Scan# 1328
Delta R.T. -0.08 min
Lab File: BF085343.D
Acq: 10 Mar 2016 19:59

Tgt Ion:276 Resp: 50683
Ion Ratio Lower Upper
276 100
277 26.4 19.0 28.4
138 24.8 22.5 33.7

