

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031116\
 Data File : BF085371.D
 Acq On : 11 Mar 2016 14:44
 Operator : UM/SJ
 Sample : H1731-02
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-18-COMP

Quant Time: Mar 11 21:57:42 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

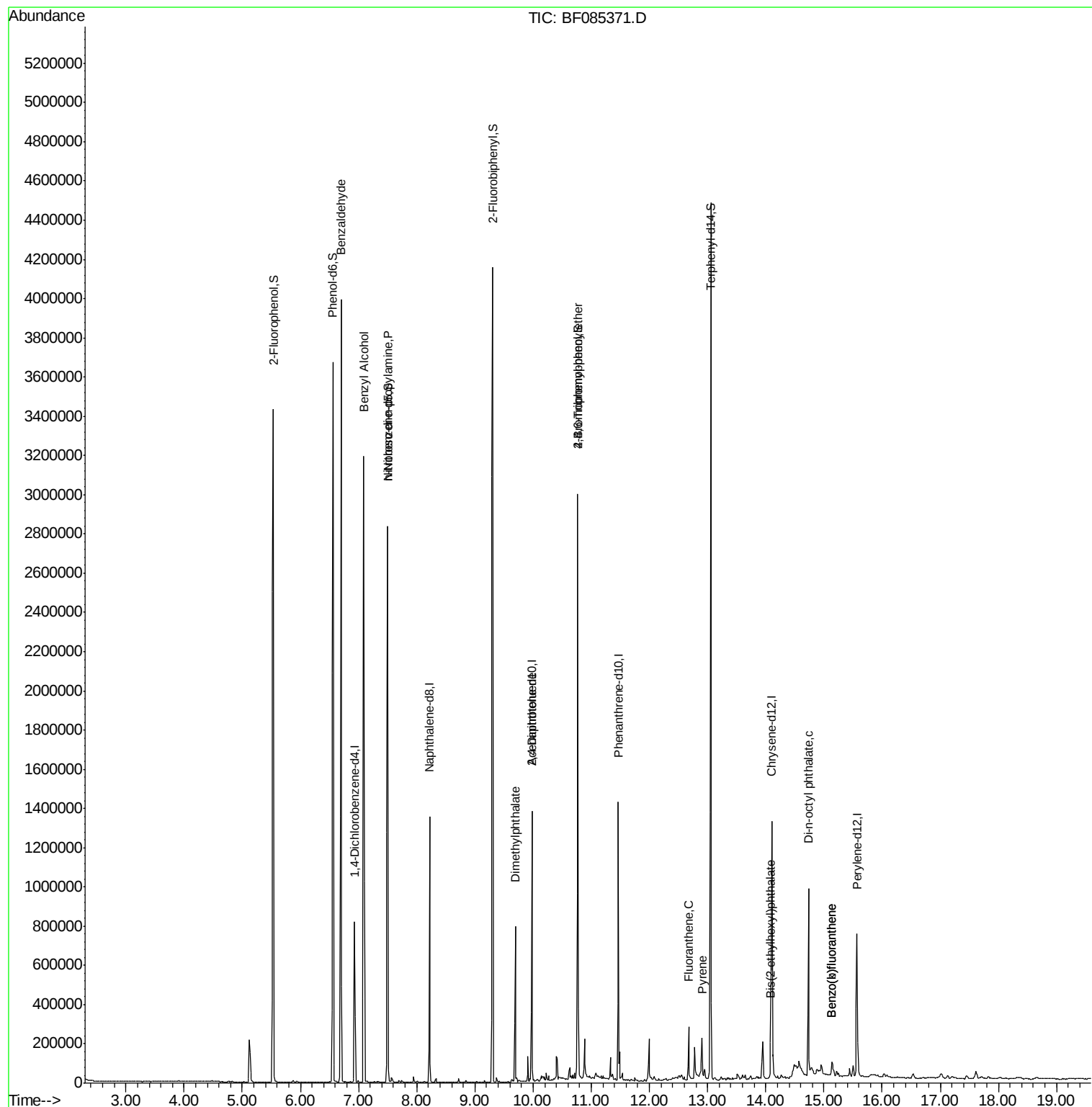
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	131363	20.00	ng	-0.06
21) Naphthalene-d8	8.22	136	548680	20.00	ng	-0.05
38) Acenaphthene-d10	9.98	164	262707	20.00	ng	-0.05
63) Phenanthrene-d10	11.46	188	506227	20.00	ng	-0.05
75) Chrysene-d12	14.11	240	427776	20.00	ng	-0.05
86) Perylene-d12	15.57	264	317477	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	1328677	169.66	ng	-0.05
7) Phenol-d6	6.56	99	1600850	156.02	ng	-0.05
23) Nitrobenzene-d5	7.50	82	1034817	100.92	ng	-0.05
41) 2,4,6-Tribromophenol	10.77	330	355120	157.98	ng	-0.05
44) 2-Fluorobiphenyl	9.30	172	1747655	101.17	ng	-0.05
78) Terphenyl-d14	13.05	244	1384740	75.15	ng	-0.03
Target Compounds						
9) Benzaldehyde	6.70	77	27276	2.76	ng	Qvalue 83
15) Benzyl Alcohol	7.09	79	15717	2.09	ng	# 47
19) n-Nitroso-di-n-propylamine	7.50	70	139591	20.87	ng	# 77
49) Dimethylphthalate	9.69	163	344710	17.10	ng	99
56) 2,4-Dinitrotoluene	9.98	165	33829	6.13	ng	# 22
66) 4-Bromophenyl-phenylether	10.77	248	25576	5.20	ng	# 1
74) Fluoranthene	12.68	202	99594	3.74	ng	96
77) Pyrene	12.91	202	83019	2.58	ng	97
83) Bis(2-ethylhexyl)phthalate	14.08	149	43402	2.26	ng	99
84) Di-n-octyl phthalate	14.73	149	95575	3.26	ng	# 55
87) Benzo(b)fluoranthene	15.13	252	54025	2.55	ng	99
88) Benzo(k)fluoranthene	15.13	252	54025	3.17	ng	99

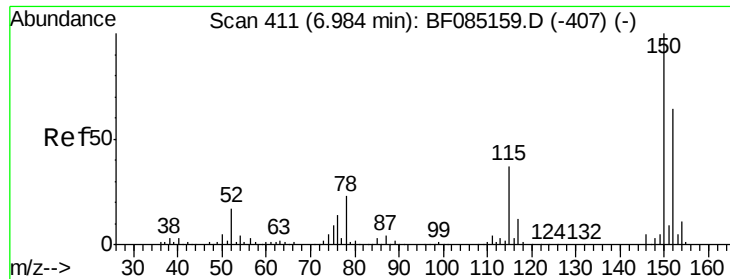
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.93 min Scan# 406

Delta R.T. -0.06 min

Lab File: BF085371.D

Acq: 11 Mar 2016 14:44

Instrument :

BNA_F

ClientSampleId :

SB-18-COMP

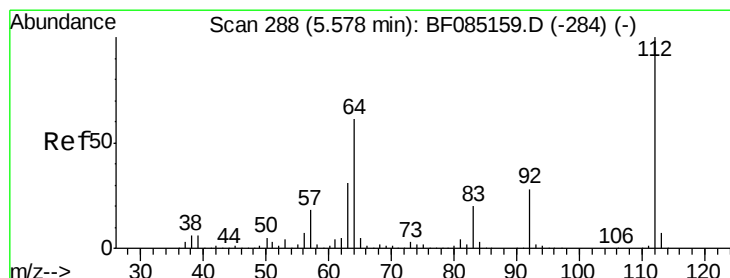
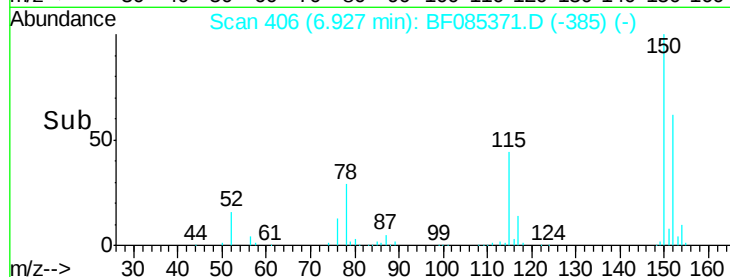
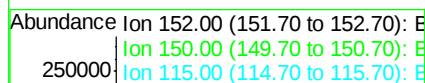
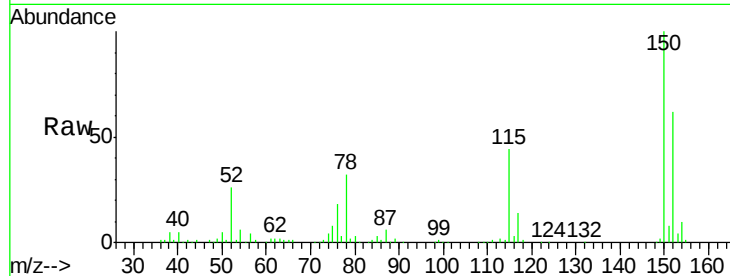
Tgt Ion:152 Resp: 131363

Ion Ratio Lower Upper

152 100

150 161.2 124.6 186.8

115 71.0 46.6 70.0#



#5

2-Fluorophenol

Concen: 169.66 ng

RT: 5.53 min Scan# 284

Delta R.T. -0.05 min

Lab File: BF085371.D

Acq: 11 Mar 2016 14:44

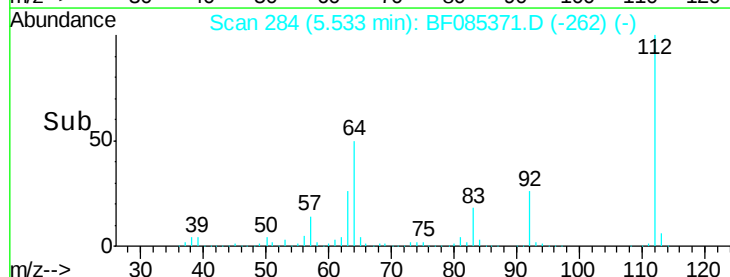
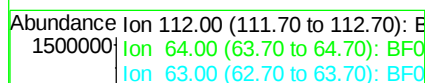
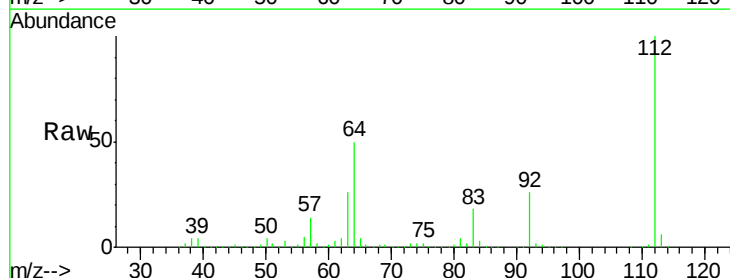
Tgt Ion:112 Resp: 1328677

Ion Ratio Lower Upper

112 100

64 50.1 49.0 73.4

63 25.7 24.8 37.2





#7

Phenol-d6

Concen: 156.02 ng

RT: 6.56 min Scan# 374

Delta R.T. -0.05 min

Lab File: BF085371.D

Acq: 11 Mar 2016 14:44

Instrument :

BNA_F

ClientSampleId :

SB-18-COMP

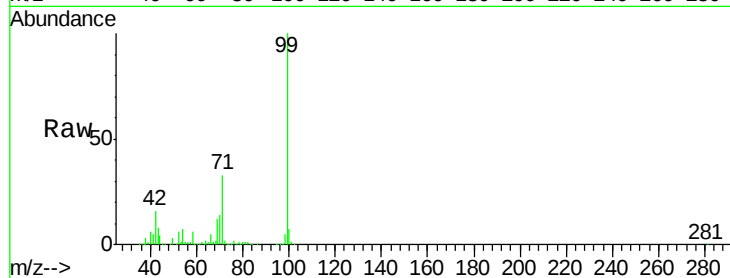
Tgt Ion: 99 Resp: 1600850

Ion Ratio Lower Upper

99 100

42 15.5 13.6 20.4

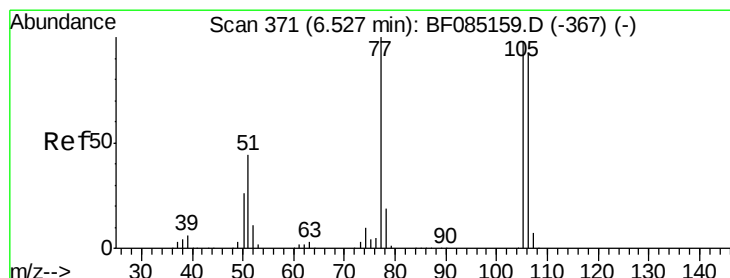
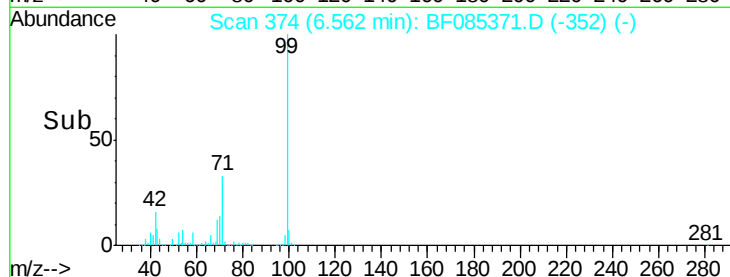
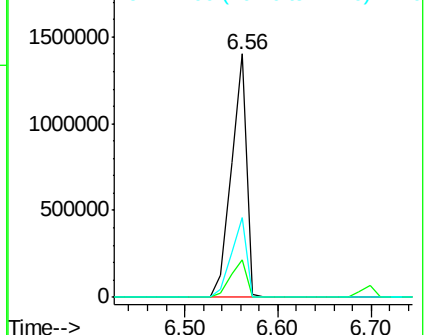
71 32.7 26.7 40.1



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: 2.76 ng

RT: 6.70 min Scan# 386

Delta R.T. 0.17 min

Lab File: BF085371.D

Acq: 11 Mar 2016 14:44

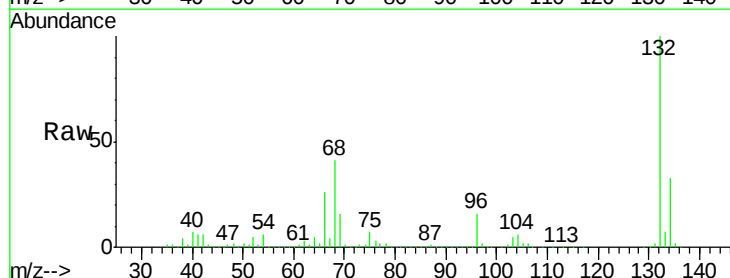
Tgt Ion: 77 Resp: 27276

Ion Ratio Lower Upper

77 100

105 81.7 78.2 118.2

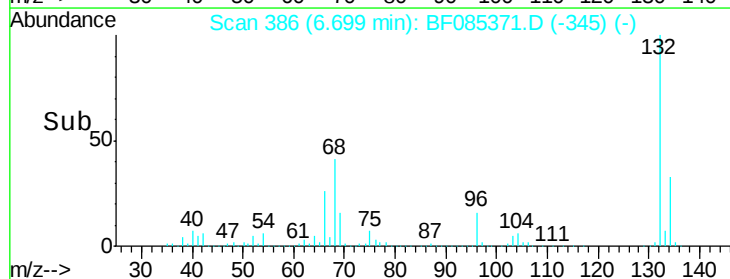
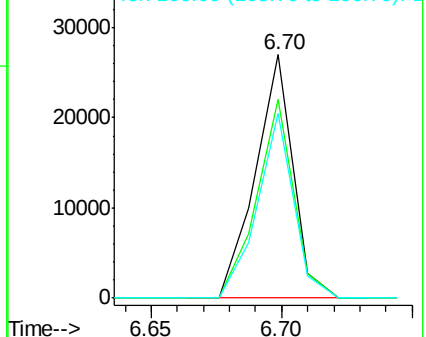
106 75.9 72.9 112.9

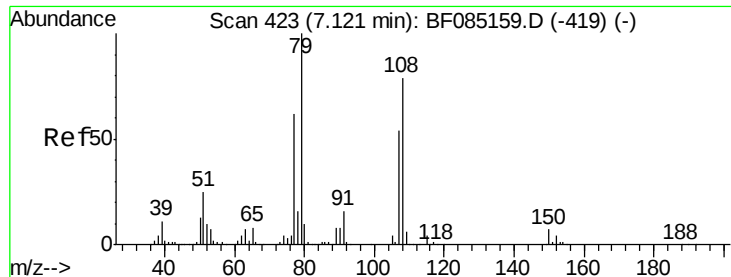


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B





#15

Benzyl Alcohol

Concen: 2.09 ng

RT: 7.09 min Scan# 420

Delta R.T. -0.03 min

Lab File: BF085371.D

Acq: 11 Mar 2016 14:44

Instrument :

BNA_F

ClientSampleId :

SB-18-COMP

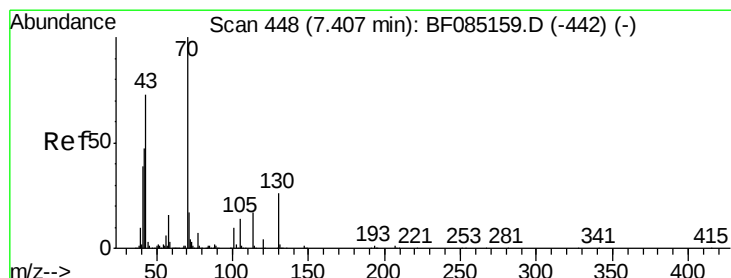
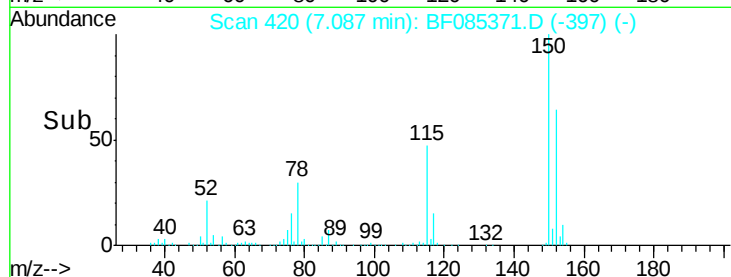
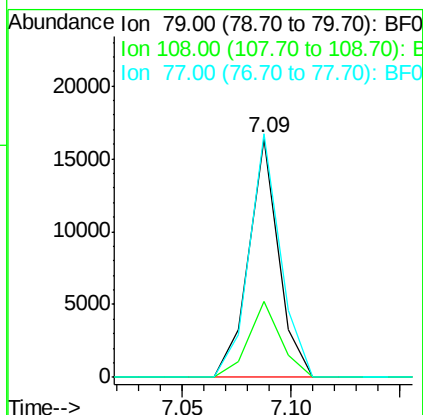
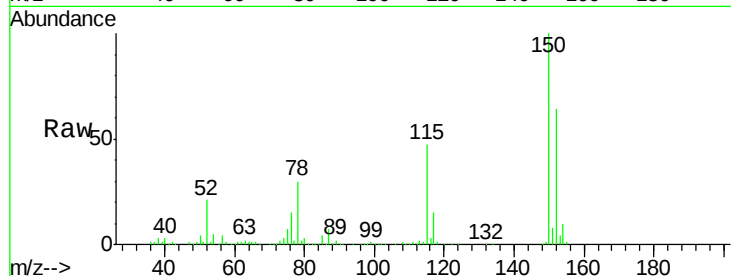
Tgt Ion: 79 Resp: 15717

Ion Ratio Lower Upper

79 100

108 31.7 62.9 94.3#

77 102.1 49.5 74.3#



#19

n-Nitroso-di-n-propylamine

Concen: 20.87 ng

RT: 7.50 min Scan# 456

Delta R.T. 0.09 min

Lab File: BF085371.D

Acq: 11 Mar 2016 14:44

Tgt Ion: 70 Resp: 139591

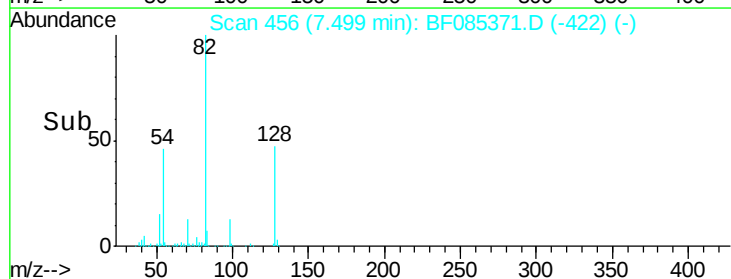
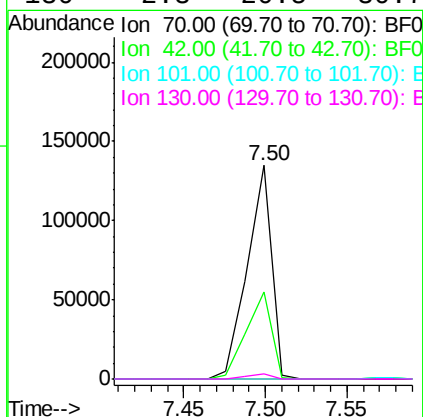
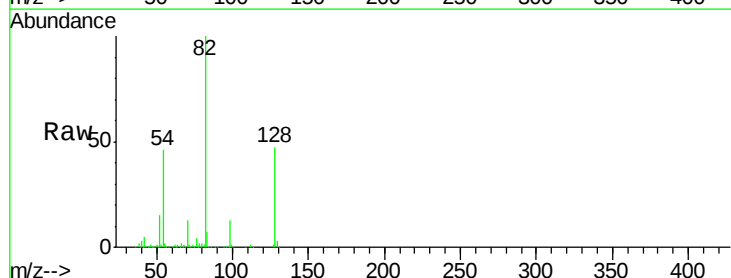
Ion Ratio Lower Upper

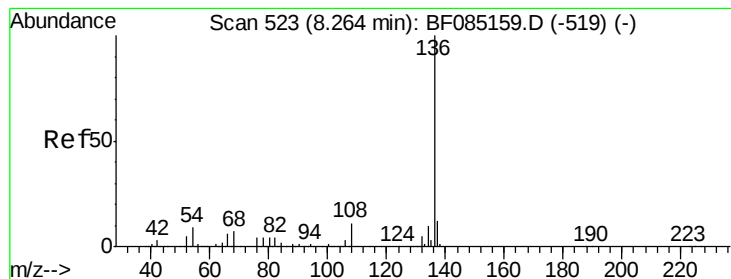
70 100

42 40.8 37.7 56.5

101 0.0 8.2 12.4#

130 2.3 20.5 30.7#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.22 min Scan# 519

Delta R.T. -0.05 min

Lab File: BF085371.D

Acq: 11 Mar 2016 14:44

Instrument :

BNA_F

ClientSampleId :

SB-18-COMP

Tgt Ion:136 Resp: 548680

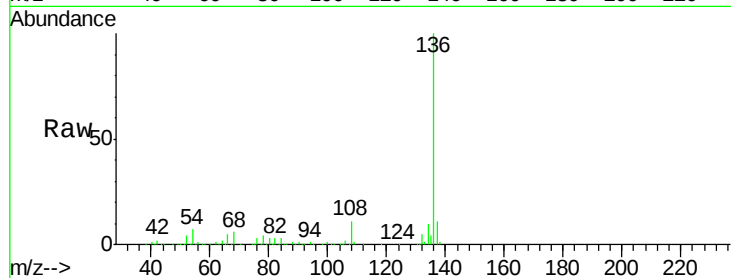
Ion Ratio Lower Upper

136 100

137 11.3 9.3 13.9

54 7.2 7.4 11.2#

68 5.7 6.0 9.0#

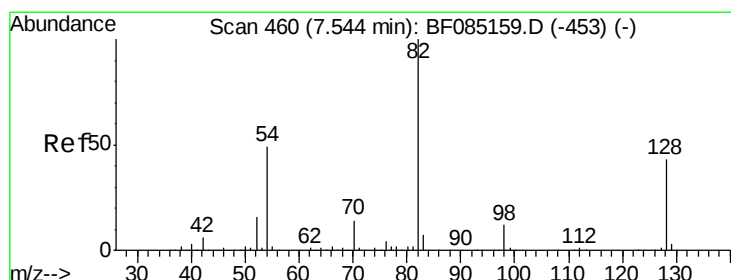
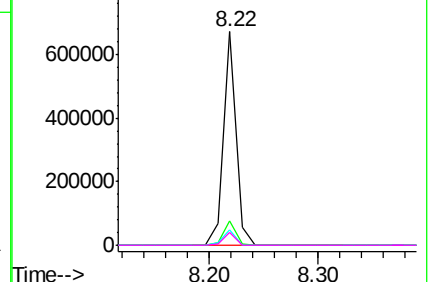
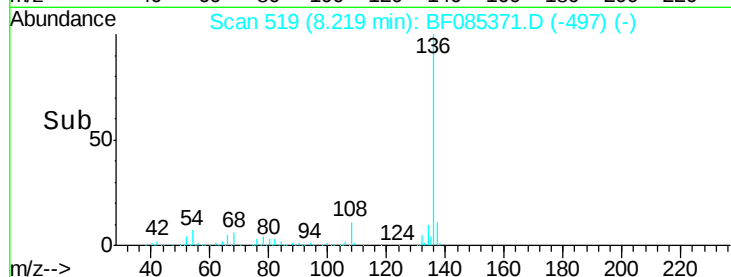


Abundance Ion 136.00 (135.70 to 136.70): E

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: 100.92 ng

RT: 7.50 min Scan# 456

Delta R.T. -0.05 min

Lab File: BF085371.D

Acq: 11 Mar 2016 14:44

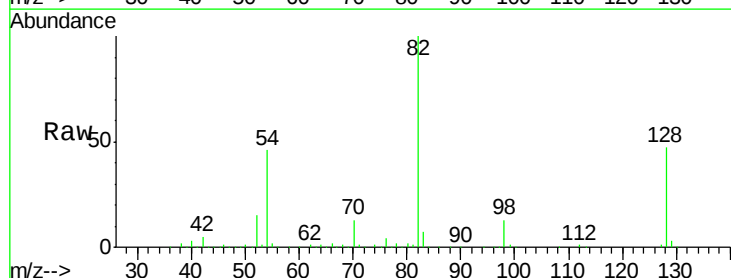
Tgt Ion: 82 Resp: 1034817

Ion Ratio Lower Upper

82 100

128 46.6 34.5 51.7

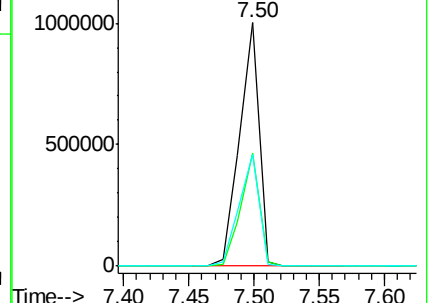
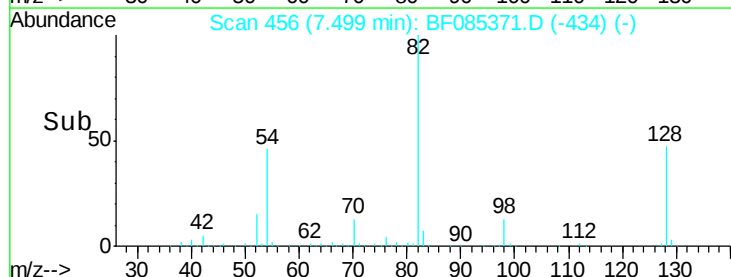
54 45.9 39.3 58.9

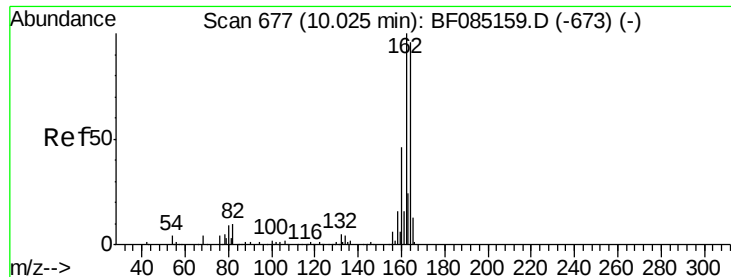


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.98 min Scan# 673

Delta R.T. -0.05 min

Lab File: BF085371.D

Acq: 11 Mar 2016 14:44

Instrument :

BNA_F

ClientSampleId :

SB-18-COMP

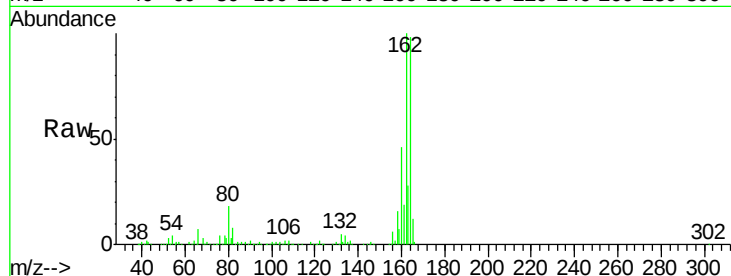
Tgt Ion:164 Resp: 262707

Ion Ratio Lower Upper

164 100

162 102.3 83.3 124.9

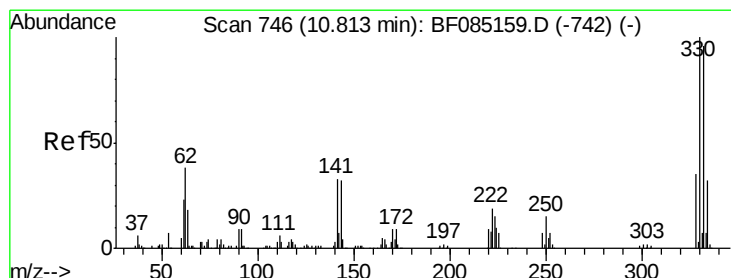
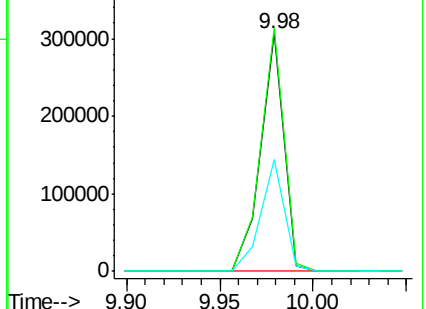
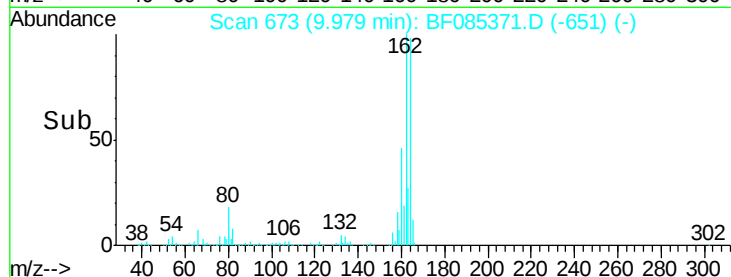
160 46.9 37.9 56.9



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 157.98 ng

RT: 10.77 min Scan# 742

Delta R.T. -0.05 min

Lab File: BF085371.D

Acq: 11 Mar 2016 14:44

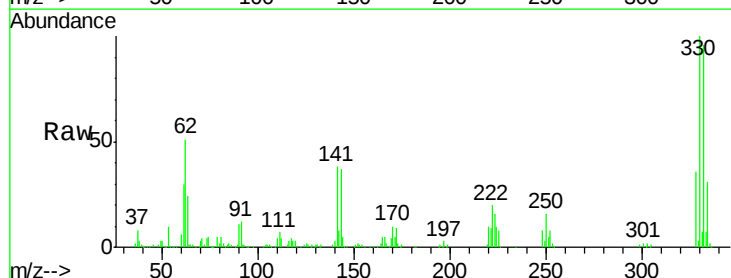
Tgt Ion:330 Resp: 355120

Ion Ratio Lower Upper

330 100

332 96.2 77.1 115.7

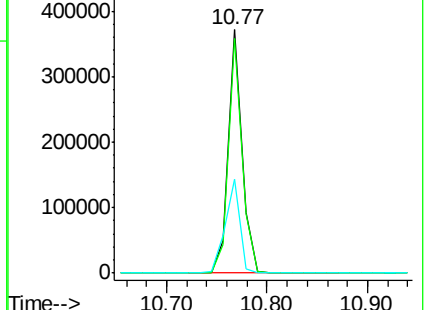
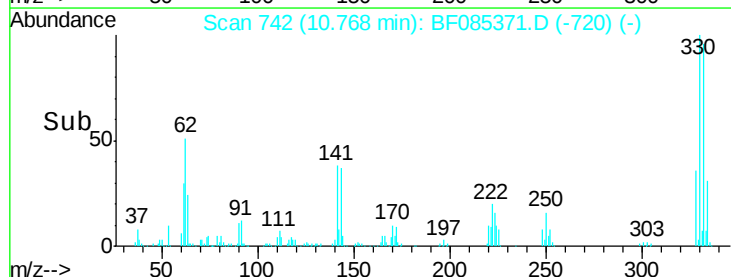
141 40.6 35.0 52.6

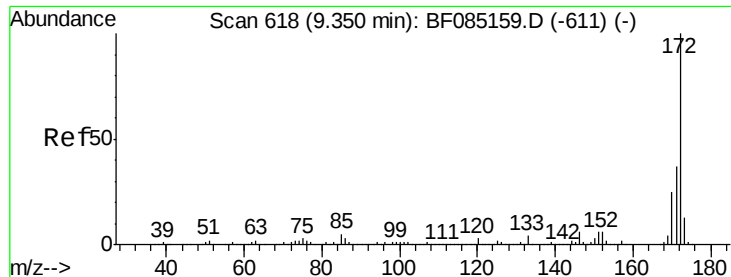


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

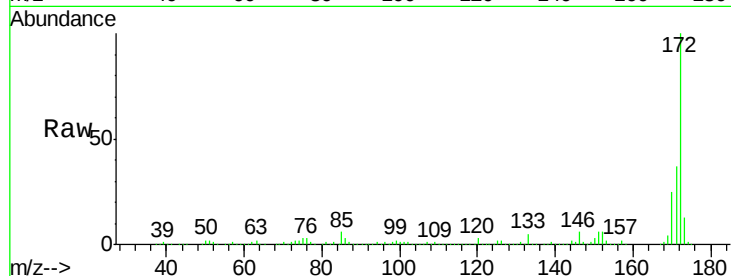




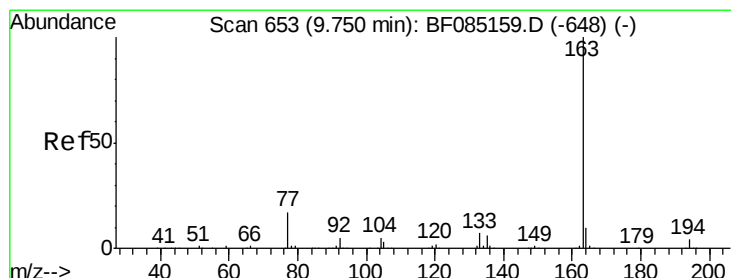
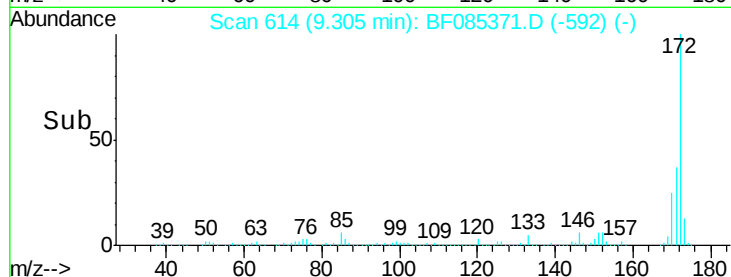
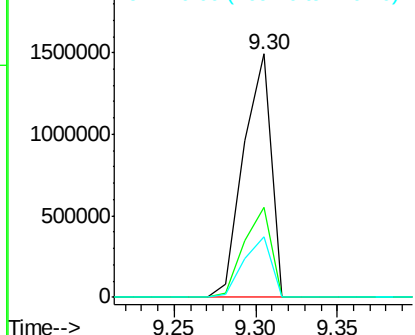
#44
2-Fluorobiphenyl
Concen: 101.17 ng
RT: 9.30 min Scan# 614
Delta R.T. -0.05 min
Lab File: BF085371.D
Acq: 11 Mar 2016 14:44

Instrument :
BNA_F
ClientSampleId :
SB-18-COMP

Tgt Ion:172 Resp: 1747655
Ion Ratio Lower Upper
172 100
171 36.8 29.3 43.9
170 24.9 20.0 30.0

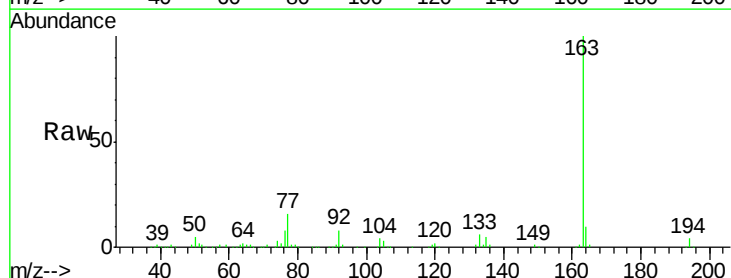


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

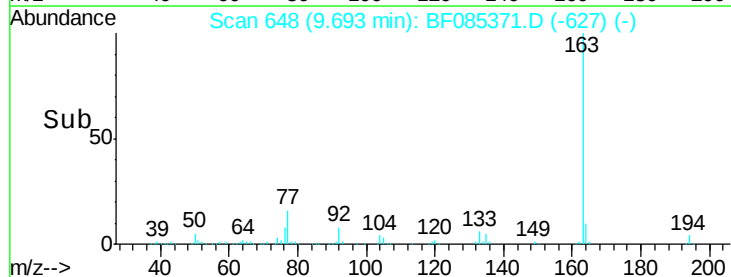
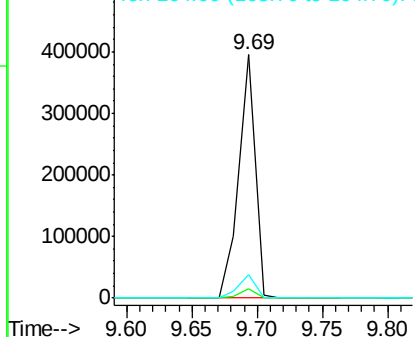


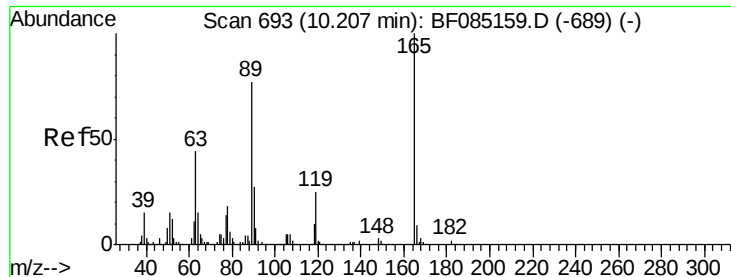
#49
Dimethylphthalate
Concen: 17.10 ng
RT: 9.69 min Scan# 648
Delta R.T. -0.06 min
Lab File: BF085371.D
Acq: 11 Mar 2016 14:44

Tgt Ion:163 Resp: 344710
Ion Ratio Lower Upper
163 100
194 3.7 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

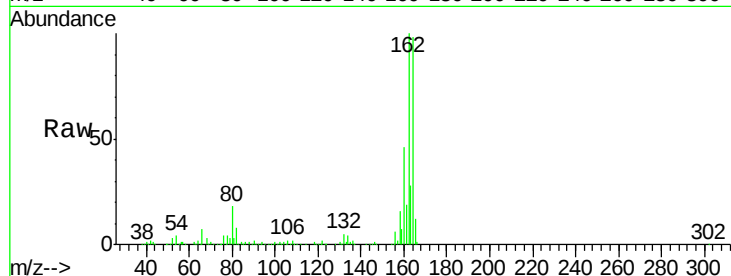




#56
 2,4-Dinitrotoluene
 Concen: 6.13 ng
 RT: 9.98 min Scan# 673
 Delta R.T. -0.23 min
 Lab File: BF085371.D
 Acq: 11 Mar 2016 14:44

Instrument :
 BNA_F
 ClientSampleId :
 SB-18-COMP

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	35.4	53.0#
89	1.5	61.9	92.9#
182	0.0	1.9	2.9#

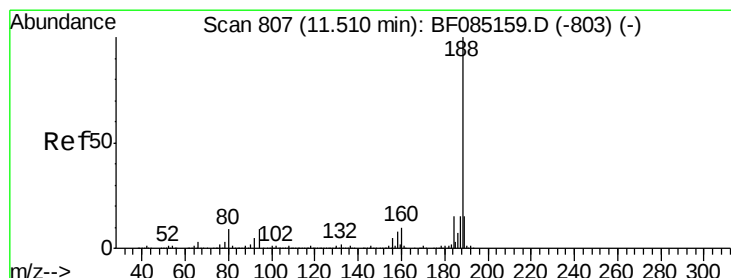
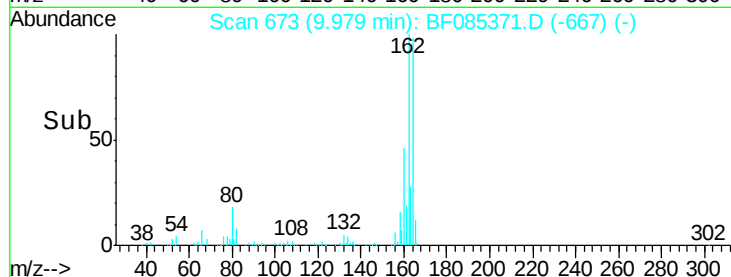
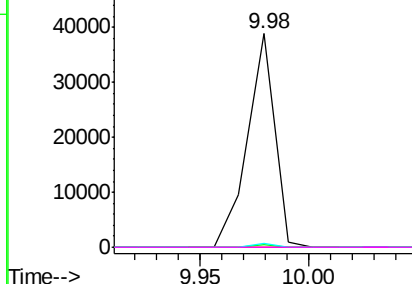


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

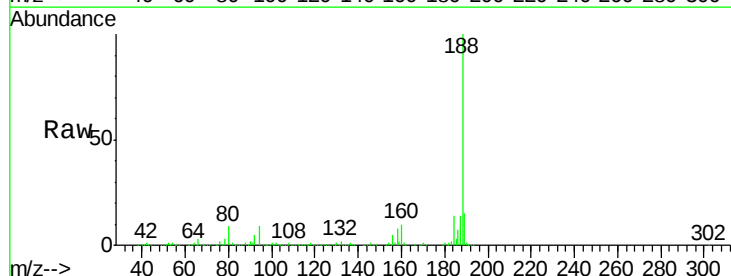
Ion 89.00 (88.70 to 89.70): BF0

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: BF085371.D
 Acq: 11 Mar 2016 14:44

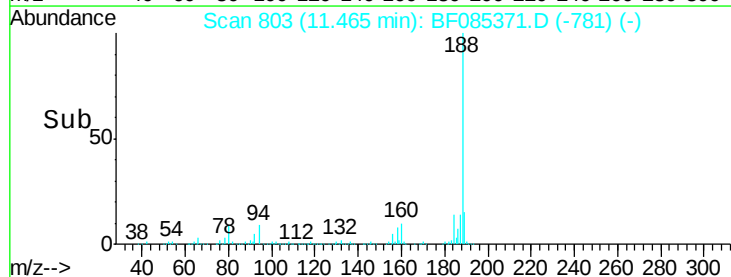
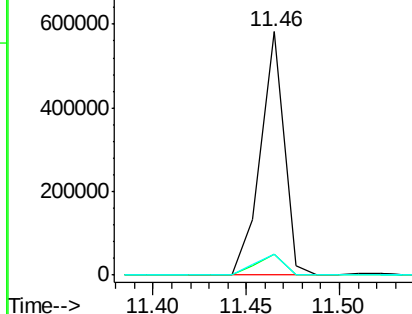
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.6	7.0	10.6
80	8.6	7.4	11.0

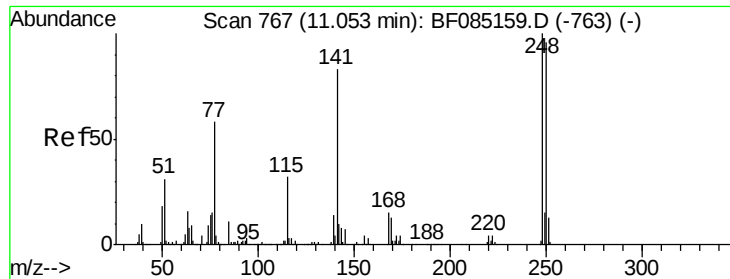


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 5.20 ng

RT: 10.77 min Scan# 742

Delta R.T. -0.29 min

Lab File: BF085371.D

Acq: 11 Mar 2016 14:44

Instrument :

BNA_F

ClientSampleId :

SB-18-COMP

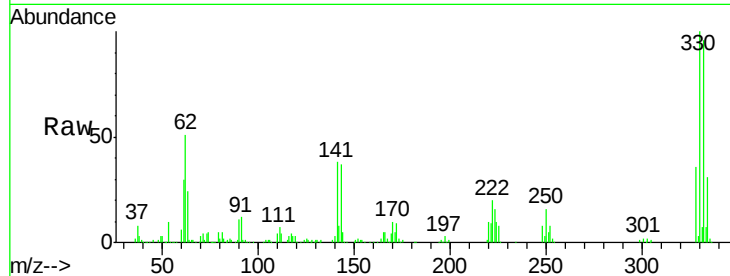
Tgt Ion:248 Resp: 25576

Ion Ratio Lower Upper

248 100

250 200.7 77.1 115.7#

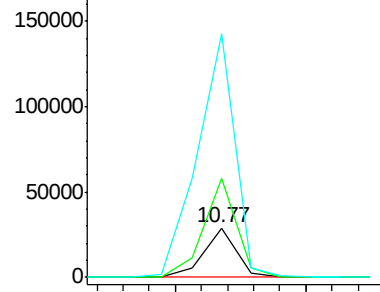
141 496.7 66.2 99.2#



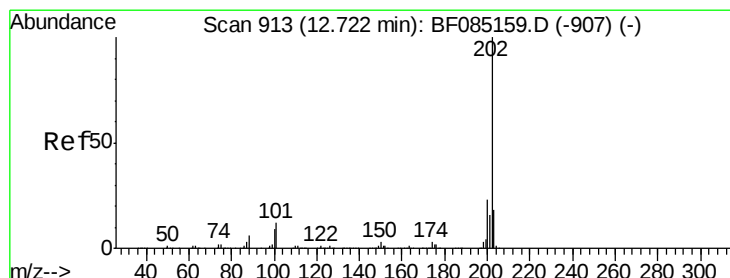
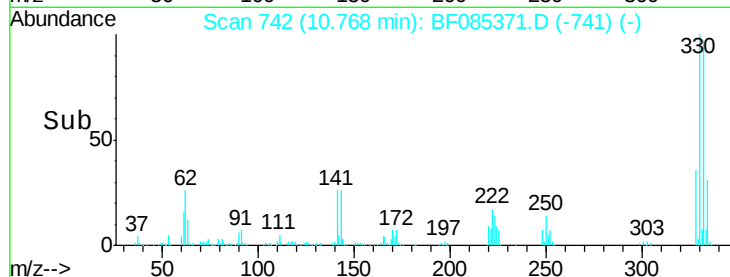
Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



Time-->



#74

Fluoranthene

Concen: 3.74 ng

RT: 12.68 min Scan# 909

Delta R.T. -0.05 min

Lab File: BF085371.D

Acq: 11 Mar 2016 14:44

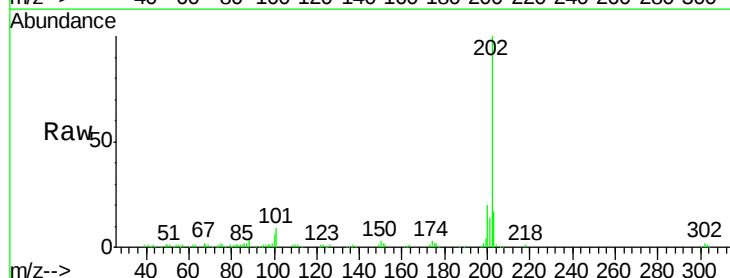
Tgt Ion:202 Resp: 99594

Ion Ratio Lower Upper

202 100

101 9.3 0.0 31.8

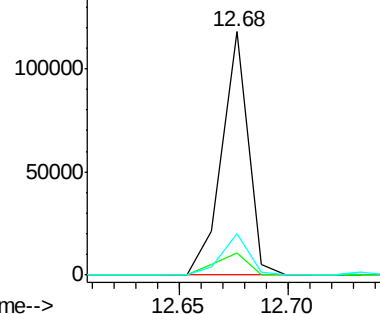
203 17.0 0.0 38.4



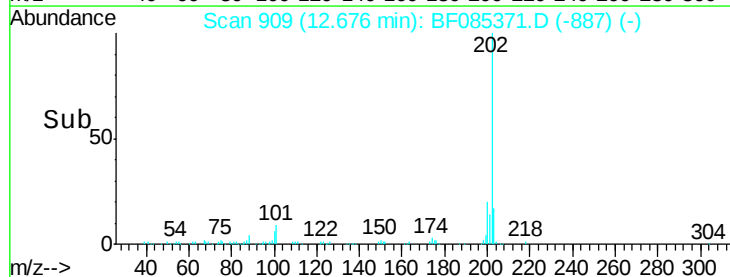
Abundance Ion 202.00 (201.70 to 202.70): E

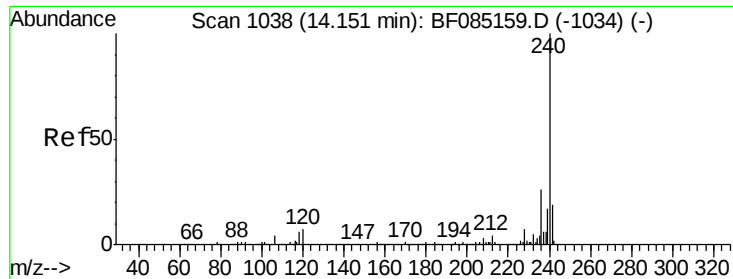
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.11 min Scan# 1034

Delta R.T. -0.05 min

Lab File: BF085371.D

Acq: 11 Mar 2016 14:44

Instrument :

BNA_F

ClientSampleId :

SB-18-COMP

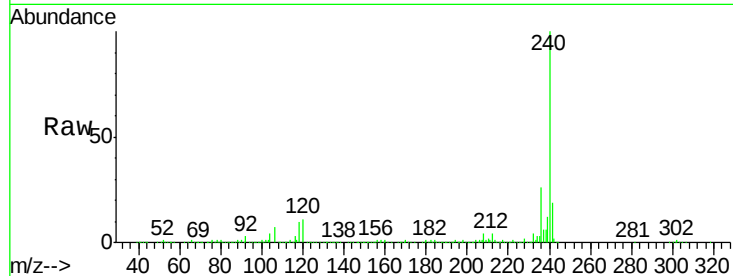
Tgt Ion:240 Resp: 427776

Ion Ratio Lower Upper

240 100

120 11.2 5.3 7.9#

236 26.4 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

600000

500000

400000

300000

200000

100000

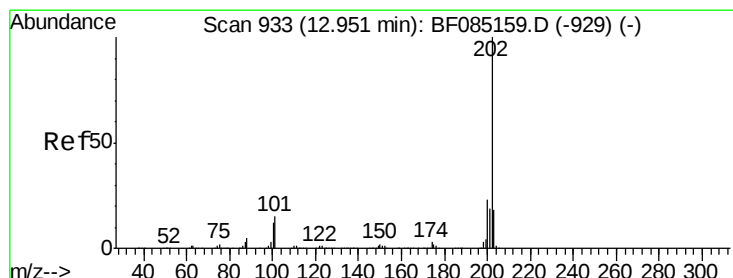
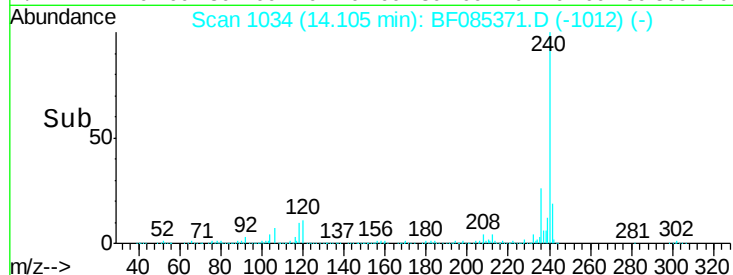
0

14.11

14.10

14.20

Time-->



#77

Pyrene

Concen: 2.58 ng

RT: 12.91 min Scan# 929

Delta R.T. -0.05 min

Lab File: BF085371.D

Acq: 11 Mar 2016 14:44

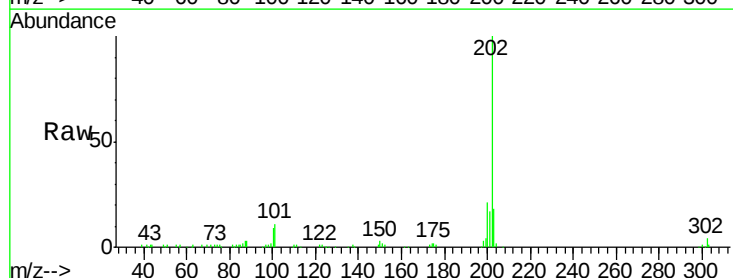
Tgt Ion:202 Resp: 83019

Ion Ratio Lower Upper

202 100

200 20.5 18.2 27.4

203 17.5 14.7 22.1



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

120000

100000

80000

60000

40000

20000

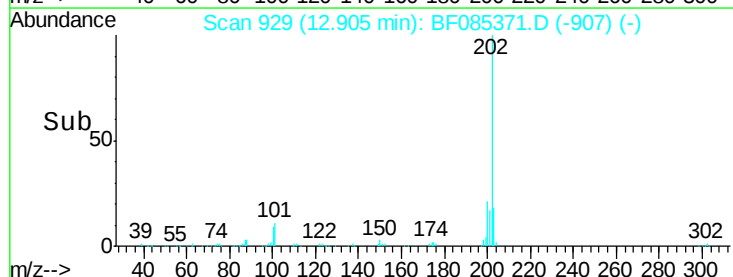
0

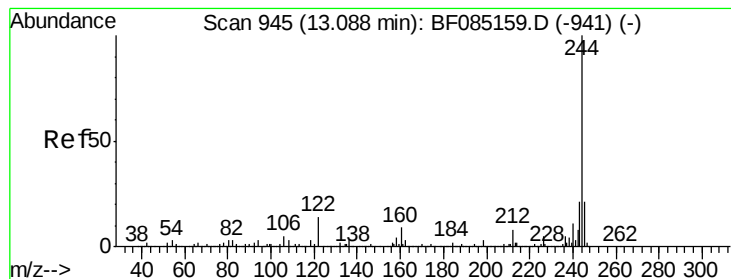
12.91

12.80

13.00

Time-->





#78

Terphenyl-d14

Concen: 75.15 ng

RT: 13.05 min Scan# 942

Delta R.T. -0.03 min

Lab File: BF085371.D

Acq: 11 Mar 2016 14:44

Instrument :

BNA_F

ClientSampleId :

SB-18-COMP

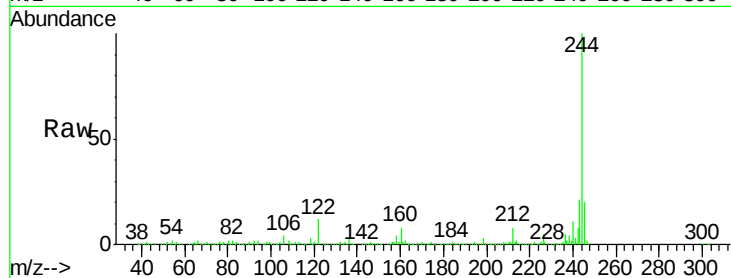
Tgt Ion:244 Resp: 1384740

Ion Ratio Lower Upper

244 100

212 7.6 6.4 9.6

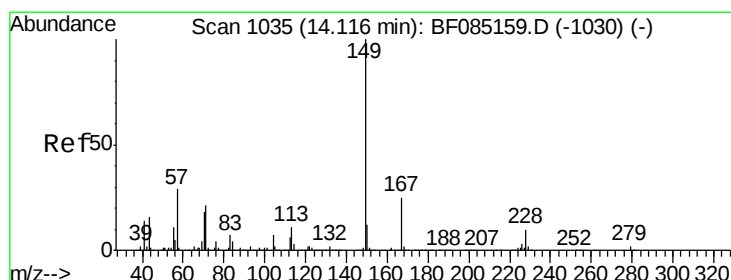
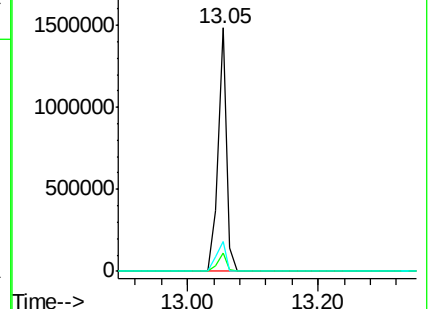
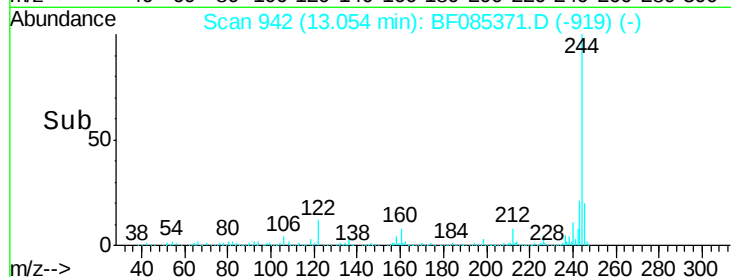
122 12.3 11.4 17.2



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.26 ng

RT: 14.08 min Scan# 1032

Delta R.T. -0.03 min

Lab File: BF085371.D

Acq: 11 Mar 2016 14:44

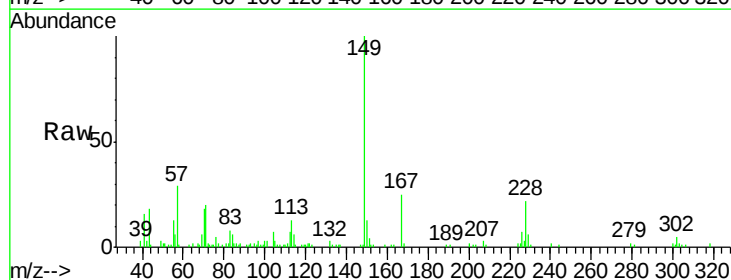
Tgt Ion:149 Resp: 43402

Ion Ratio Lower Upper

149 100

167 25.1 20.3 30.5

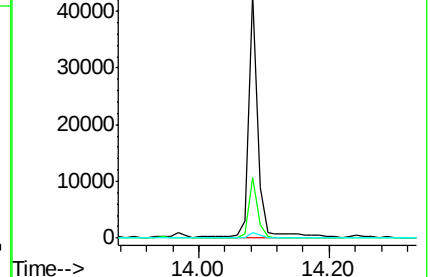
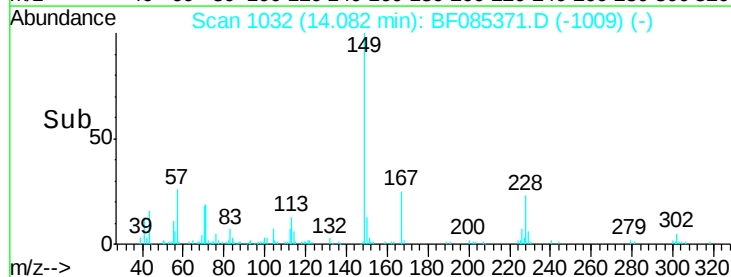
279 2.1 1.9 2.9

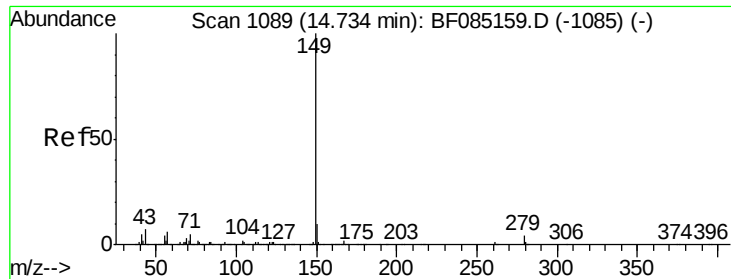


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Di-n-octyl phthalate

Concen: 3.26 ng

RT: 14.73 min Scan# 1089

Delta R.T. 0.00 min

Lab File: BF085371.D

Acq: 11 Mar 2016 14:44

Instrument :

BNA_F

ClientSampleId :

SB-18-COMP

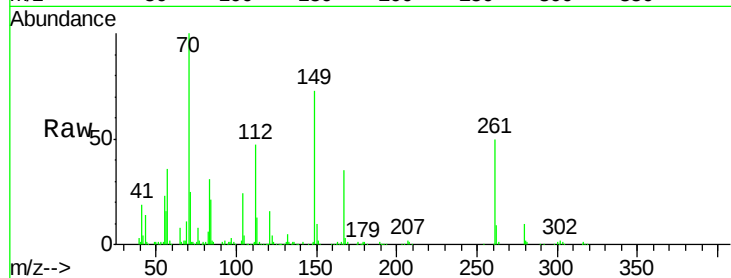
Tgt Ion:149 Resp: 95575

Ion Ratio Lower Upper

149 100

167 46.4 1.1 1.7#

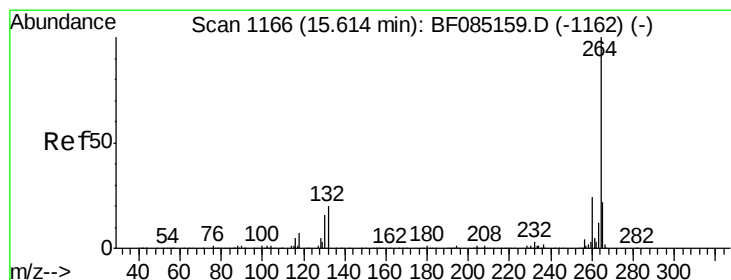
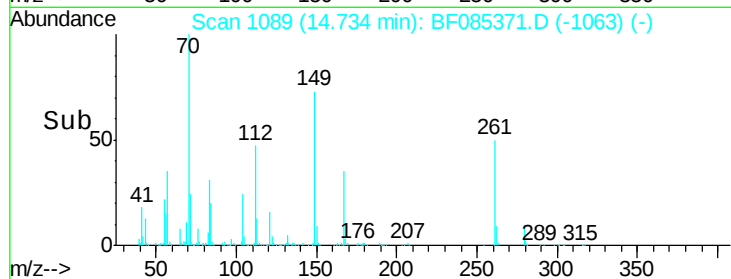
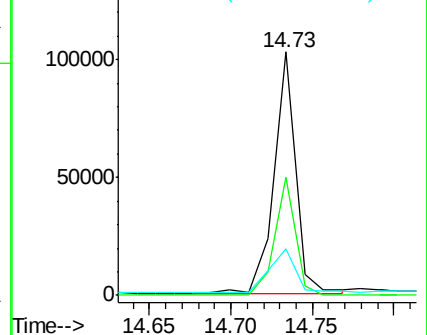
43 22.7 7.8 11.8#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.57 min Scan# 1162

Delta R.T. -0.05 min

Lab File: BF085371.D

Acq: 11 Mar 2016 14:44

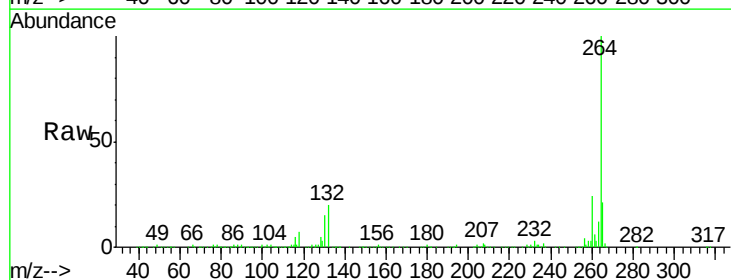
Tgt Ion:264 Resp: 317477

Ion Ratio Lower Upper

264 100

260 24.1 19.2 28.8

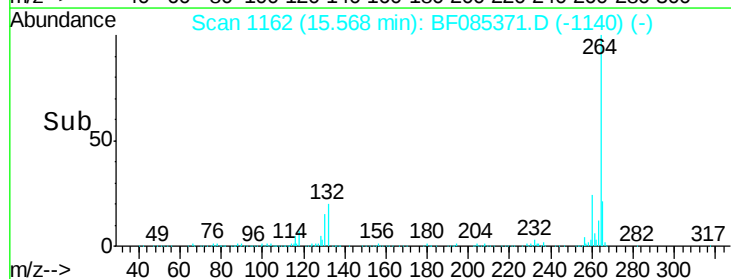
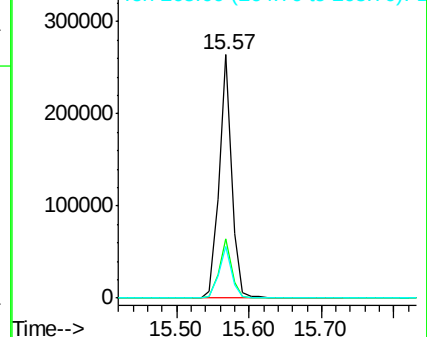
265 21.2 17.3 25.9

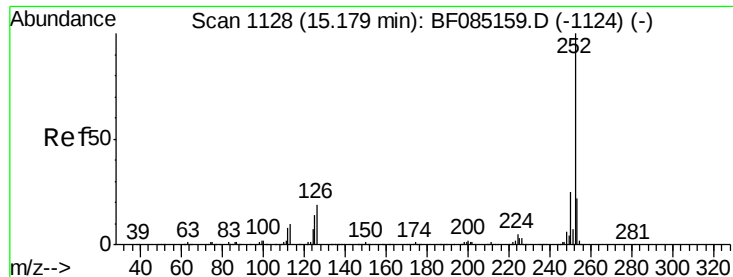


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

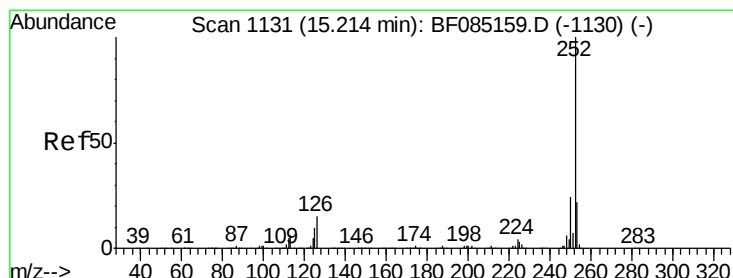
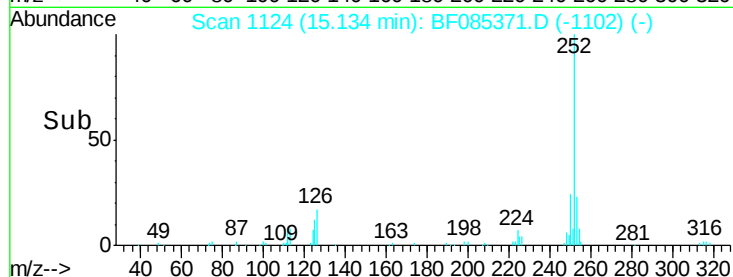
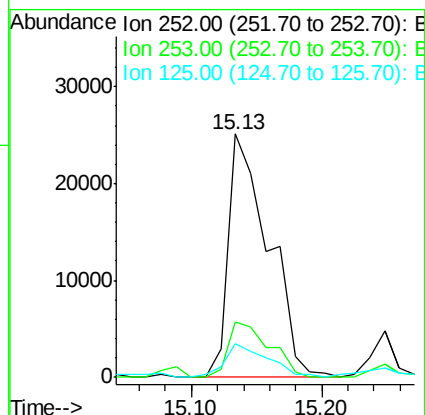
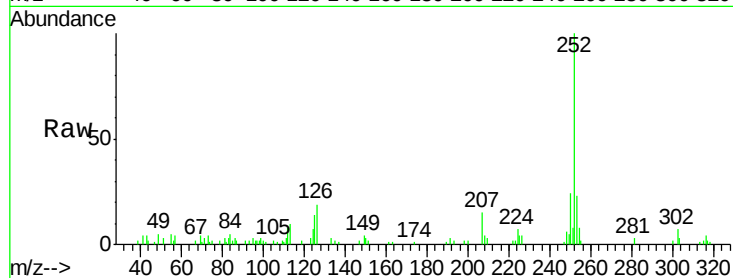




#87
Benzo(b)fluoranthene
Concen: 2.55 ng
RT: 15.13 min Scan# 1124
Delta R.T. -0.05 min
Lab File: BF085371.D
Acq: 11 Mar 2016 14:44

Instrument :
BNA_F
ClientSampleId :
SB-18-COMP

Tgt Ion:252 Resp: 54025
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.6
125 14.0 11.3 16.9



#88
Benzo(k)fluoranthene
Concen: 3.17 ng
RT: 15.13 min Scan# 1124
Delta R.T. -0.08 min
Lab File: BF085371.D
Acq: 11 Mar 2016 14:44

Tgt Ion:252 Resp: 54025
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.6
125 14.0 10.4 15.6

