

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030816\
 Data File : BF085289.D
 Acq On : 9 Mar 2016 6:58
 Operator : UM/SJ
 Sample : H1712-06
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-43-COMP-0.5-2.5

Quant Time: Mar 09 08:02:29 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	6.96	152	171476	20.00	ng	-0.02
21) Naphthalene-d8	8.24	136	619640	20.00	ng	-0.02
38) Acenaphthene-d10	10.00	164	257972	20.00	ng	-0.02
63) Phenanthrene-d10	11.49	188	399248	20.00	ng	-0.02
75) Chrysene-d12	14.12	240	313813	20.00	ng	-0.03
86) Perylene-d12	15.59	264	326933	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.58	112	1327769	129.88	ng	0.00
7) Phenol-d6	6.58	99	1545669	115.41	ng	-0.02
23) Nitrobenzene-d5	7.52	82	867858	74.95	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	260636	118.08	ng	-0.02
44) 2-Fluorobiphenyl	9.33	172	1341081	79.06	ng	-0.02
78) Terphenyl-d14	13.07	244	816011	60.36	ng	-0.02

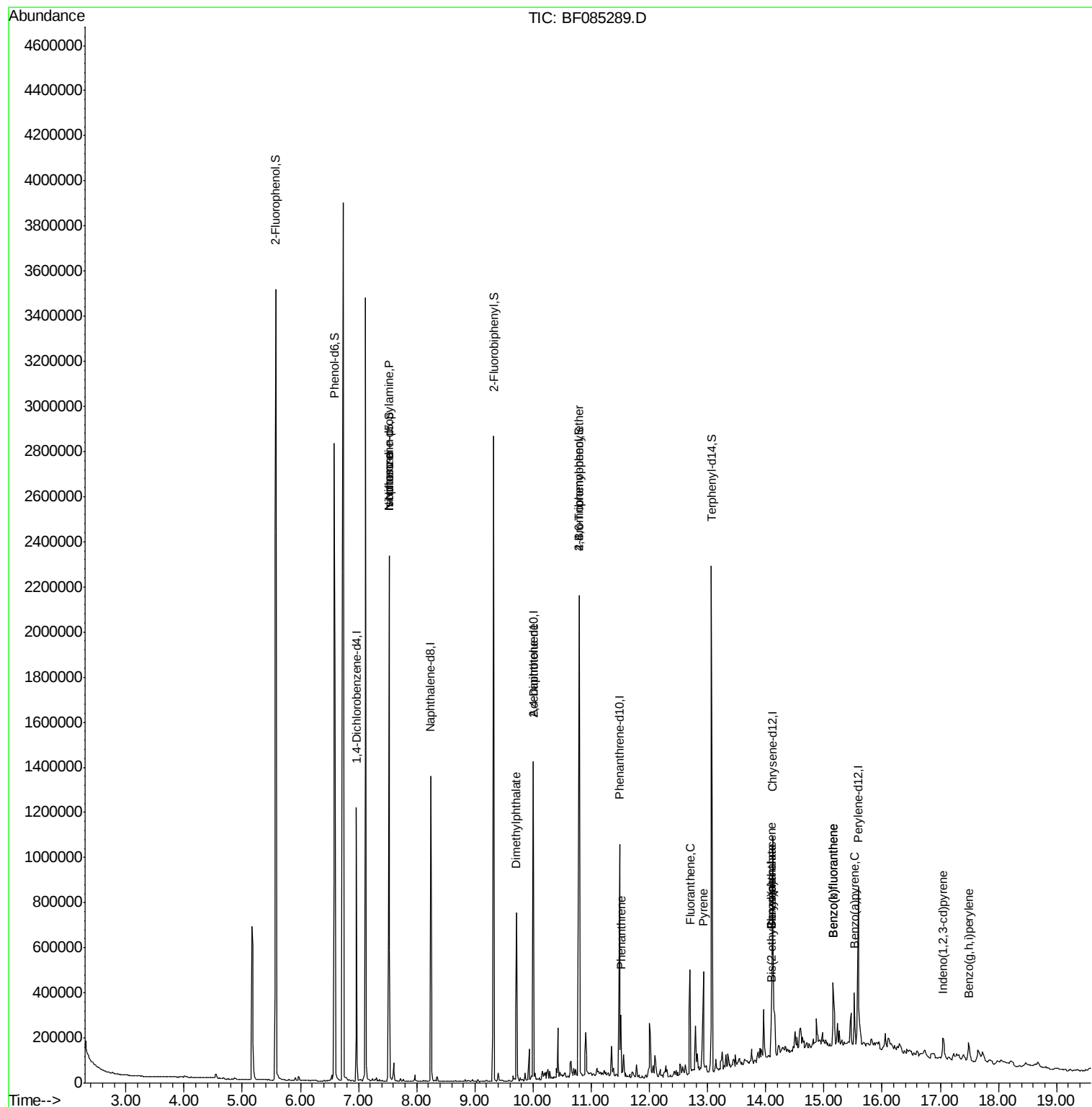
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.52	70	114211	13.08	ng	# 79
25) Isophorone	7.52	82	704885	32.85	ng	# 67
49) Dimethylphthalate	9.72	163	341240	17.23	ng	98
56) 2,4-Dinitrotoluene	10.00	165	34196	6.31	ng	# 22
66) 4-Bromophenyl-phenylether	10.79	248	19048	4.91	ng	# 1
70) Phenanthrene	11.51	178	108179	5.17	ng	96
74) Fluoranthene	12.70	202	218524	10.41	ng	95
77) Pyrene	12.93	202	218217	9.24	ng	96
80) Benzo(a)anthracene	14.11	228	129135	6.87	ng	98
82) Chrysene	14.11	228	129135	7.44	ng	96
83) Bis(2-ethylhexyl)phthalate	14.09	149	41833	2.97	ng	97
85) Indeno(1,2,3-cd)pyrene	17.04	276	62857	4.64	ng	95
87) Benzo(b)fluoranthene	15.16	252	200924	9.22	ng	99
88) Benzo(k)fluoranthene	15.16	252	200924	11.43	ng	98
89) Benzo(a)pyrene	15.52	252	109903	6.09	ng	# 94
91) Benzo(g,h,i)perylene	17.49	276	59580	3.84	ng	98

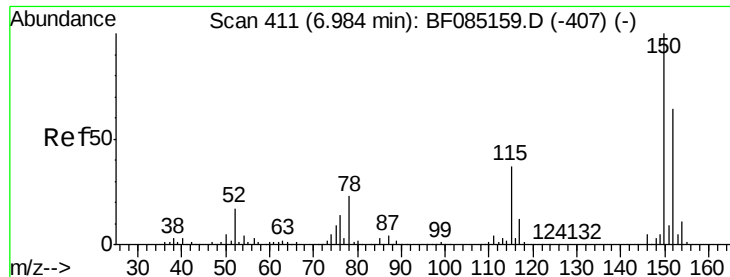
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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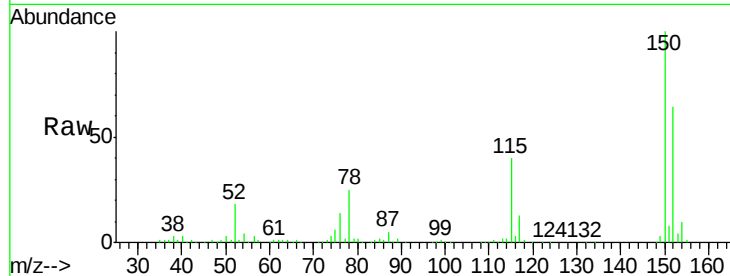




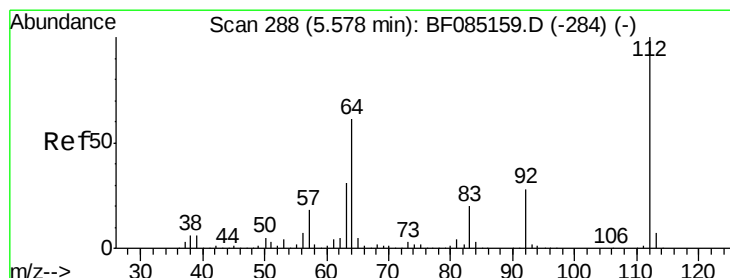
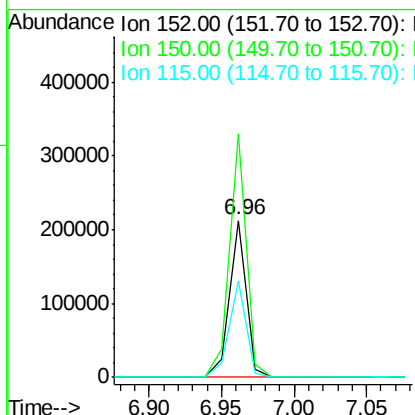
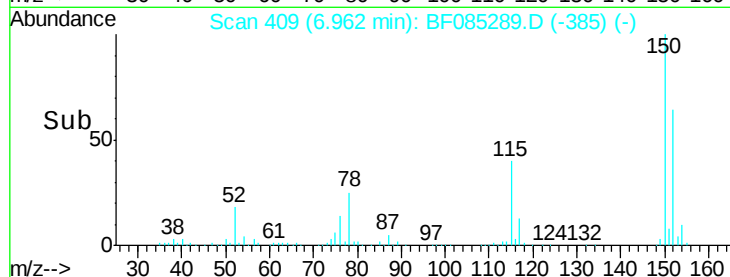
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.96 min Scan# 409
 Delta R.T. -0.02 min
 Lab File: BF085289.D
 Acq: 9 Mar 2016 6:58

Instrument :
 BNA_G
 ClientSampleId :
 SB-43-COMP-0.5-2.5

Tgt Ion:152 Resp: 171476
 Ion Ratio Lower Upper
 152 100
 150 155.5 124.6 186.8
 115 62.0 46.6 70.0

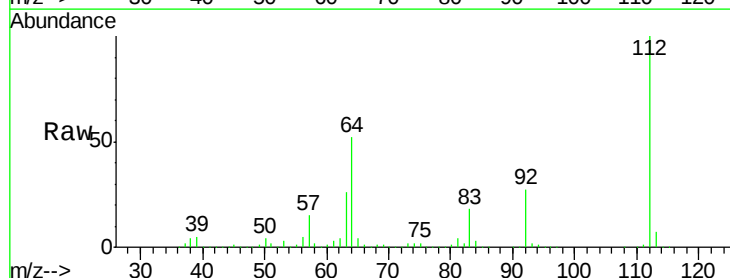


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

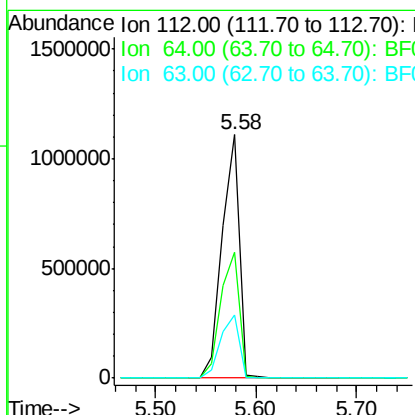
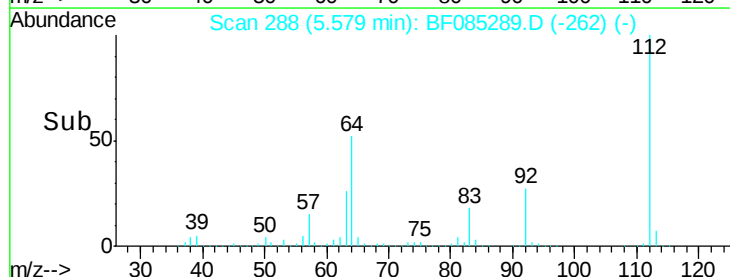


#5
 2-Fluorophenol
 Concen: 129.88 ng
 RT: 5.58 min Scan# 288
 Delta R.T. 0.00 min
 Lab File: BF085289.D
 Acq: 9 Mar 2016 6:58

Tgt Ion:112 Resp: 1327769
 Ion Ratio Lower Upper
 112 100
 64 51.7 49.0 73.4
 63 25.7 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: 115.41 ng

RT: 6.58 min Scan# 376

Delta R.T. -0.02 min

Lab File: BF085289.D

Acq: 9 Mar 2016 6:58

Instrument :

BNA_G

ClientSampleId :

SB-43-COMP-0.5-2.5

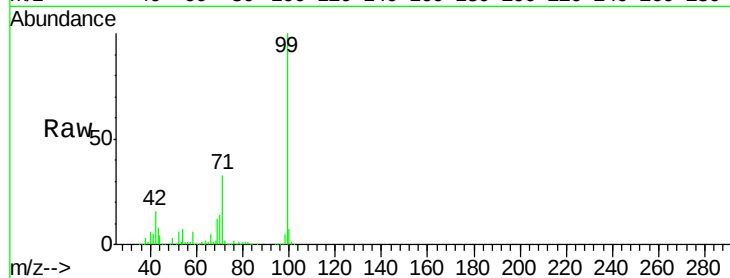
Tgt Ion: 99 Resp: 1545669

Ion Ratio Lower Upper

99 100

42 16.0 13.6 20.4

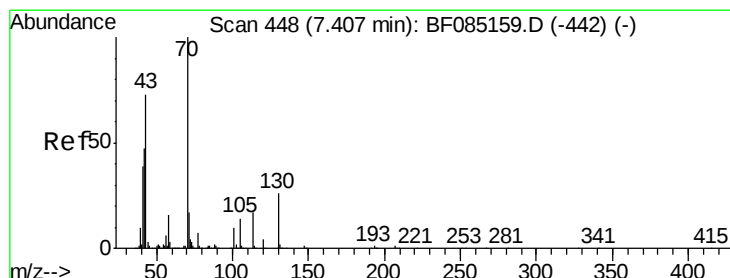
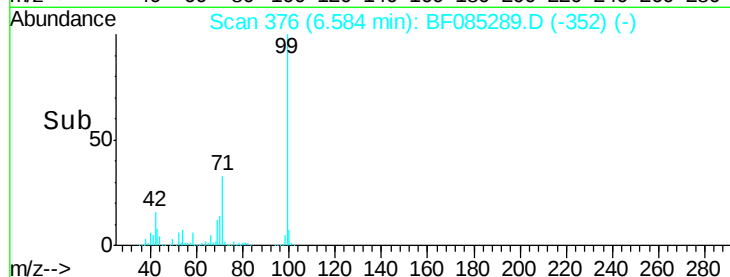
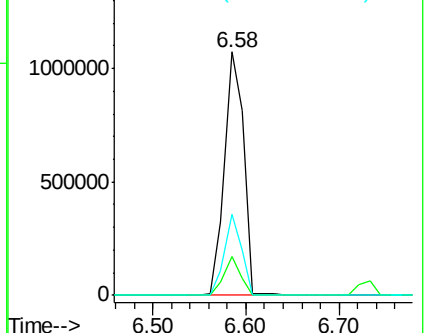
71 33.1 26.7 40.1



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



#19

n-Nitroso-di-n-propylamine

Concen: 13.08 ng

RT: 7.52 min Scan# 458

Delta R.T. 0.11 min

Lab File: BF085289.D

Acq: 9 Mar 2016 6:58

Tgt Ion: 70 Resp: 114211

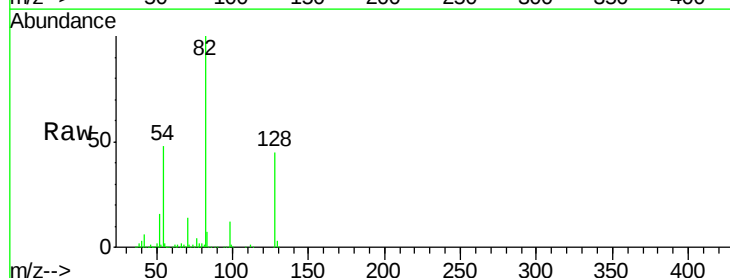
Ion Ratio Lower Upper

70 100

42 43.6 37.7 56.5

101 0.0 8.2 12.4#

130 2.4 20.5 30.7#

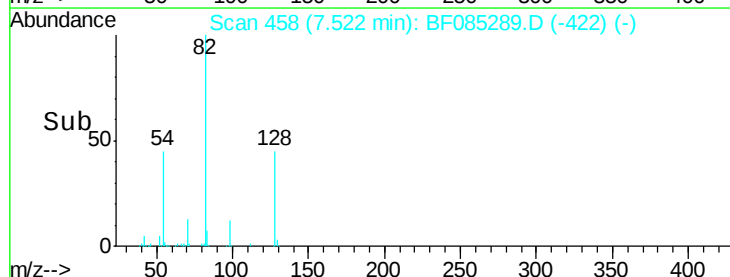
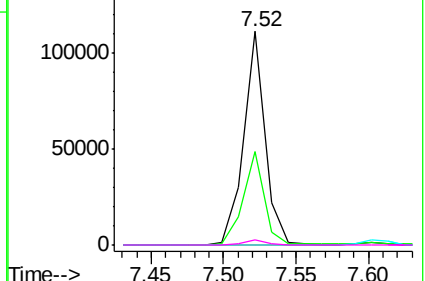


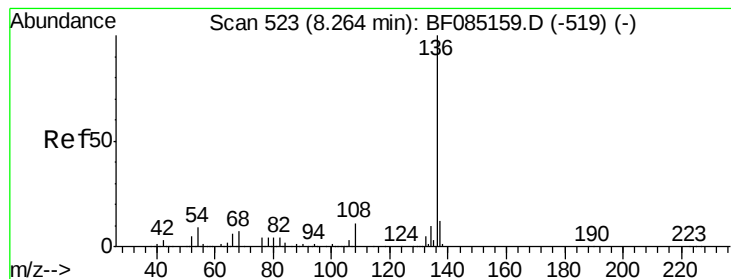
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 8.24 min Scan# 521

Delta R.T. -0.02 min

Lab File: BF085289.D

Acq: 9 Mar 2016 6:58

Instrument :

BNA_G

ClientSampleId :

SB-43-COMP-0.5-2.5

Tgt Ion:136 Resp: 619640

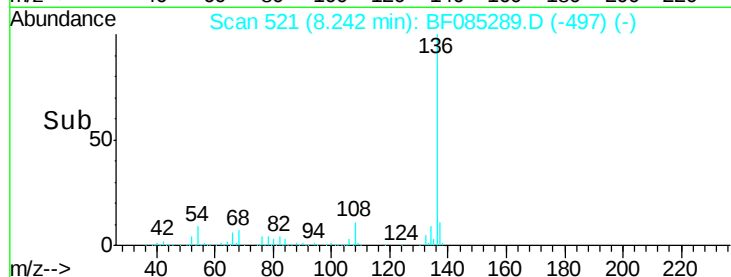
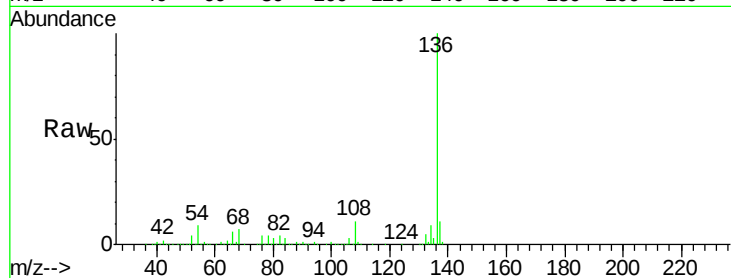
Ion Ratio Lower Upper

136 100

137 11.3 9.3 13.9

54 8.7 7.4 11.2

68 7.1 6.0 9.0

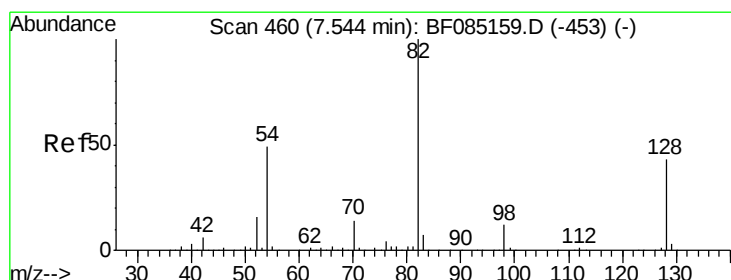
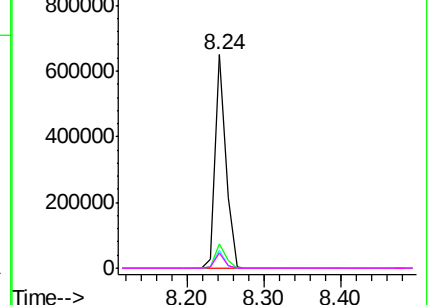


Abundance Ion 136.00 (135.70 to 136.70): E

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: 74.95 ng

RT: 7.52 min Scan# 458

Delta R.T. -0.02 min

Lab File: BF085289.D

Acq: 9 Mar 2016 6:58

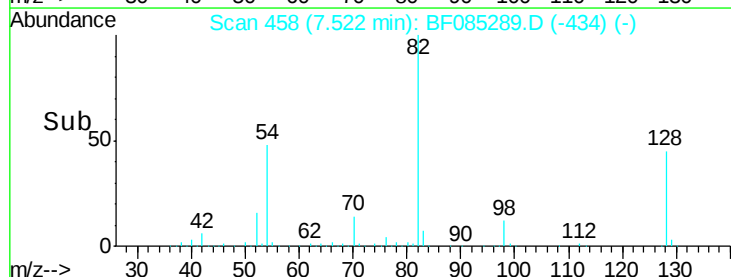
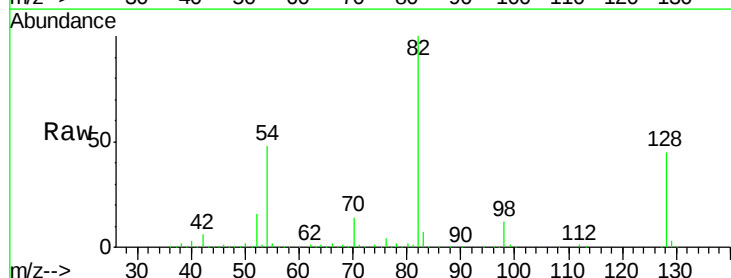
Tgt Ion: 82 Resp: 867858

Ion Ratio Lower Upper

82 100

128 44.6 34.5 51.7

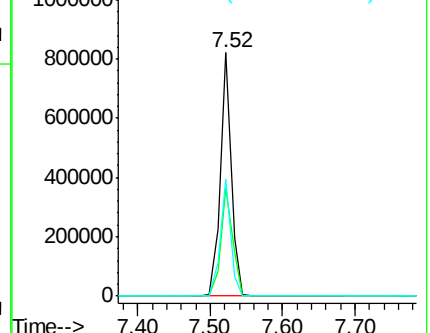
54 47.8 39.3 58.9

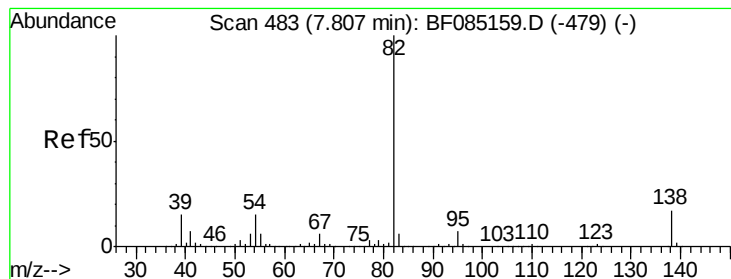


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 32.85 ng

RT: 7.52 min Scan# 458

Delta R.T. -0.29 min

Lab File: BF085289.D

Acq: 9 Mar 2016 6:58

Instrument :

BNA_G

ClientSampleId :

SB-43-COMP-0.5-2.5

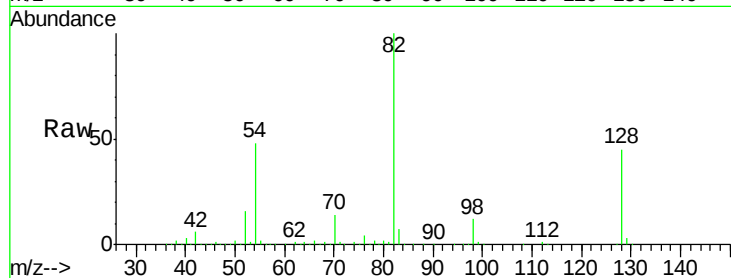
Tgt Ion: 82 Resp: 704885

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

138 0.0 13.3 19.9#

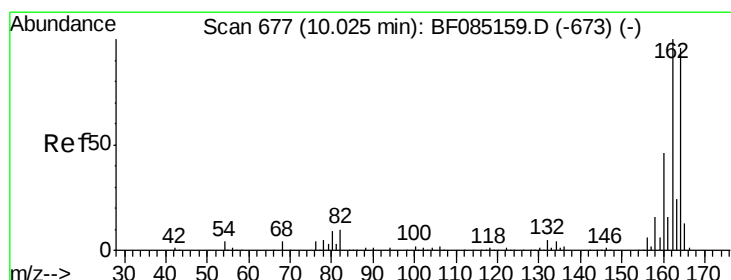
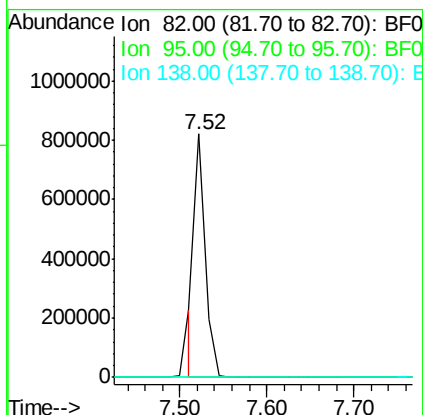
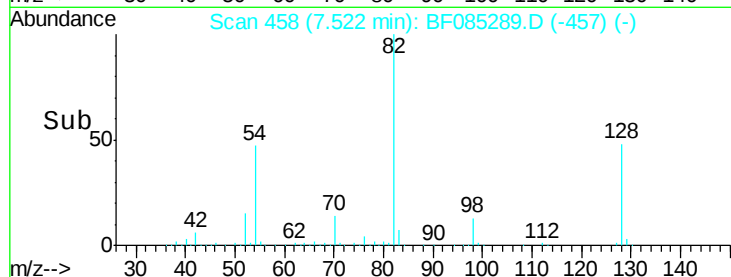


Abundance Ion 82.00 (81.70 to 82.70): BF085159.D (-479) (-)

Ion 95.00 (94.70 to 95.70): BF085159.D (-479) (-)

Ion 138.00 (137.70 to 138.70): BF085159.D (-479) (-)

Time-->



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.00 min Scan# 675

Delta R.T. -0.02 min

Lab File: BF085289.D

Acq: 9 Mar 2016 6:58

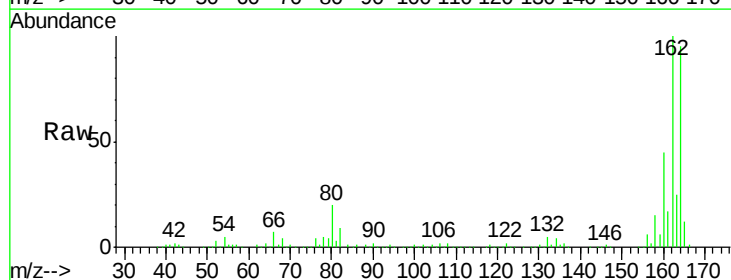
Tgt Ion: 164 Resp: 257972

Ion Ratio Lower Upper

164 100

162 104.8 83.3 124.9

160 46.7 37.9 56.9

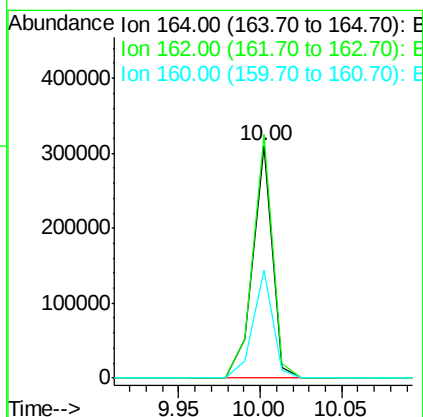
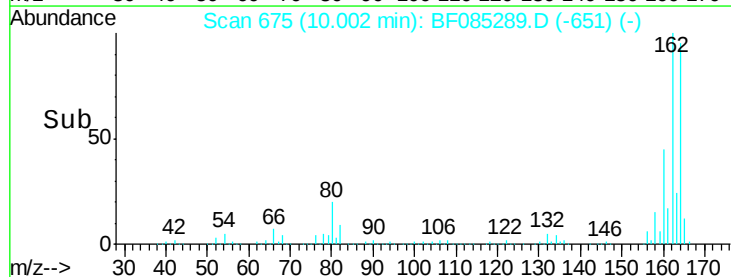


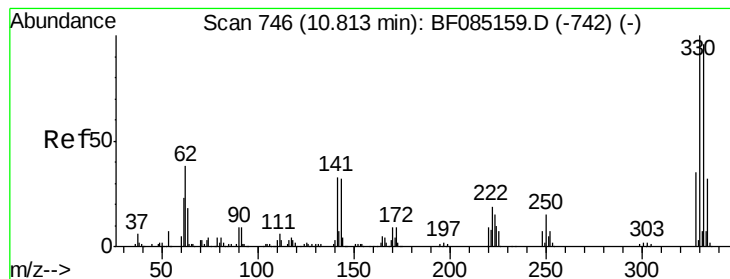
Abundance Ion 164.00 (163.70 to 164.70): BF085159.D (-673) (-)

Ion 162.00 (161.70 to 162.70): BF085159.D (-673) (-)

Ion 160.00 (159.70 to 160.70): BF085159.D (-673) (-)

Time-->

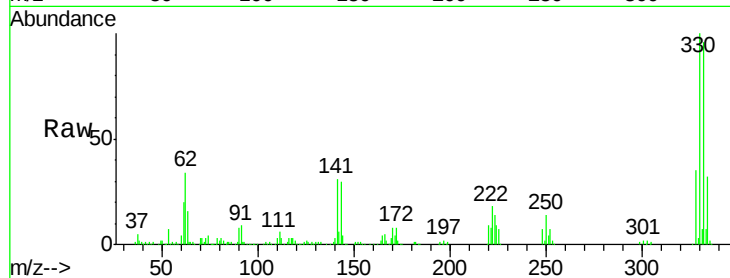




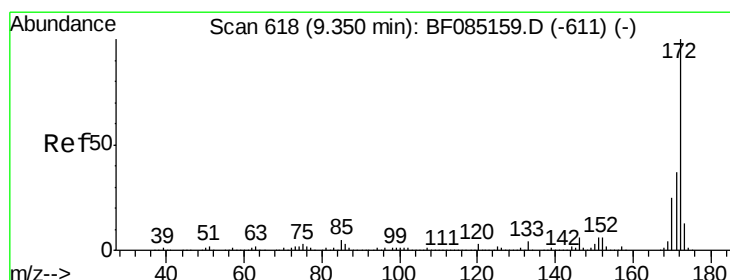
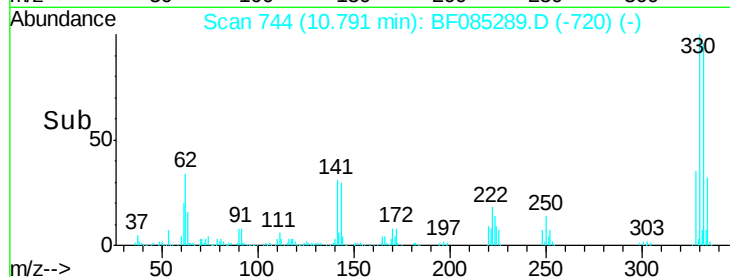
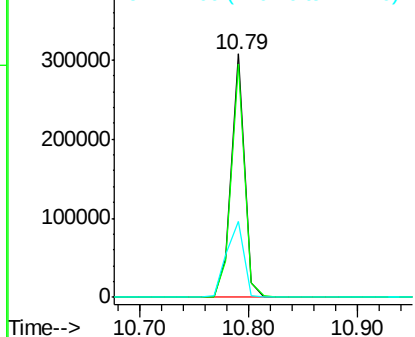
#41
 2,4,6-Tribromophenol
 Concen: 118.08 ng
 RT: 10.79 min Scan# 744
 Delta R.T. -0.02 min
 Lab File: BF085289.D
 Acq: 9 Mar 2016 6:58

Instrument :
 BNA_G
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 SB-43-COMP-0.5-2.5

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.5	77.1	115.7
141	41.2	35.0	52.6

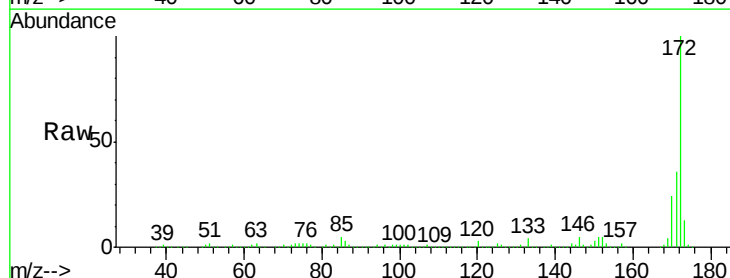


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

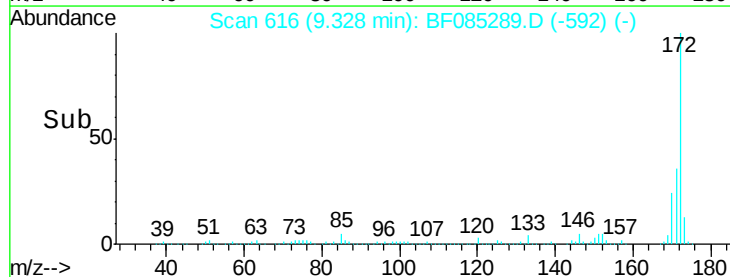
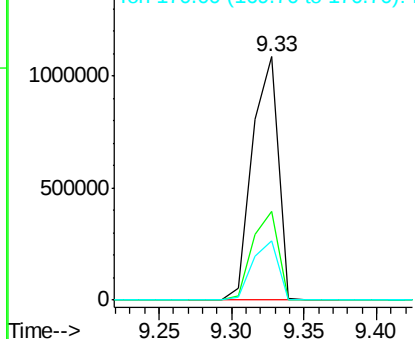


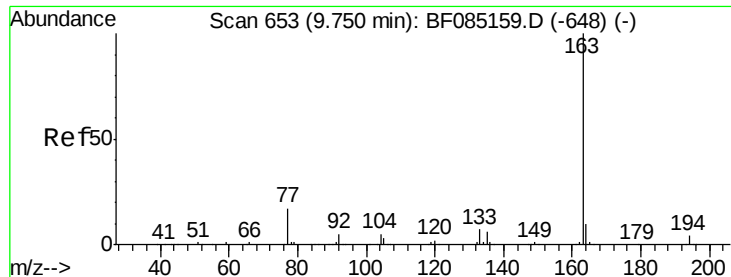
#44
 2-Fluorobiphenyl
 Concen: 79.06 ng
 RT: 9.33 min Scan# 616
 Delta R.T. -0.02 min
 Lab File: BF085289.D
 Acq: 9 Mar 2016 6:58

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.3	43.9
170	24.4	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

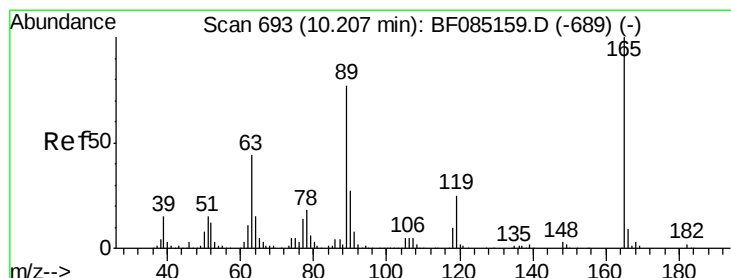
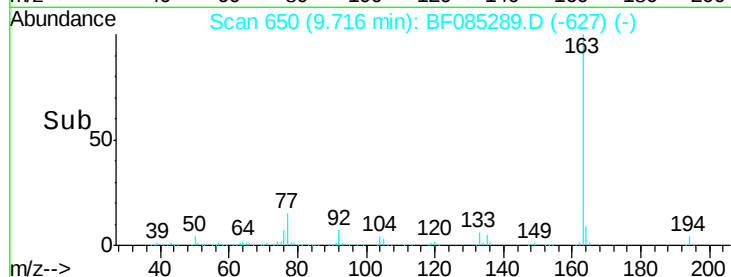
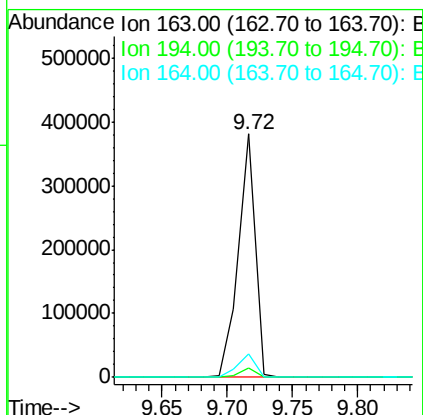
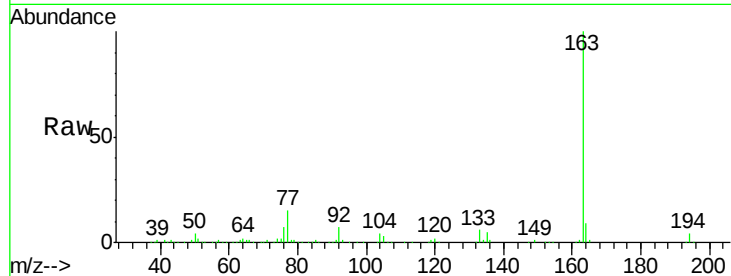




#49
Dimethylphthalate
Concen: 17.23 ng
RT: 9.72 min Scan# 650
Delta R.T. -0.03 min
Lab File: BF085289.D
Acq: 9 Mar 2016 6:58

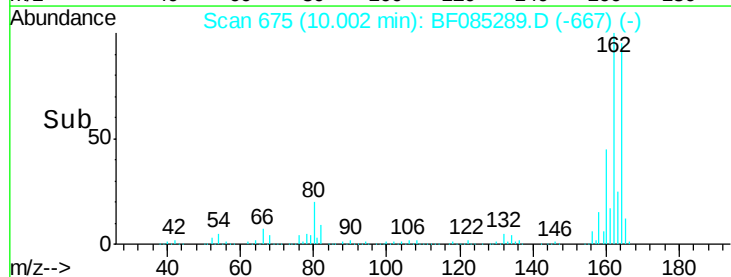
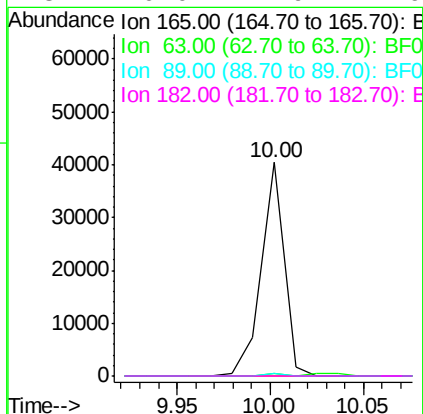
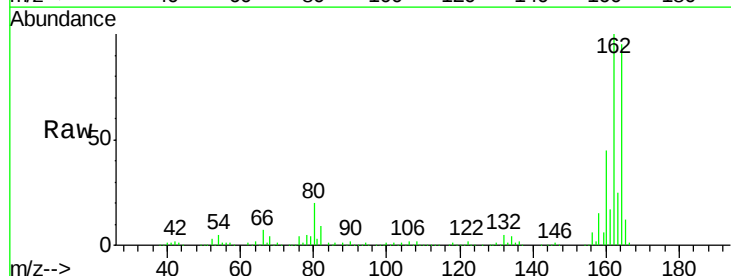
Instrument :
BNA_G
ClientSampleId :
SB-43-COMP-0.5-2.5

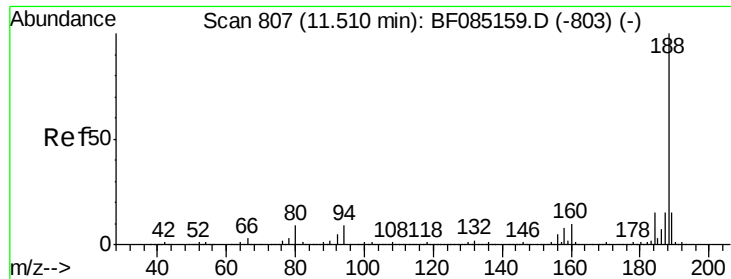
Tgt Ion:163 Resp: 341240
Ion Ratio Lower Upper
163 100
194 3.6 3.1 4.7
164 9.4 8.2 12.4



#56
2,4-Dinitrotoluene
Concen: 6.31 ng
RT: 10.00 min Scan# 675
Delta R.T. -0.21 min
Lab File: BF085289.D
Acq: 9 Mar 2016 6:58

Tgt Ion:165 Resp: 34196
Ion Ratio Lower Upper
165 100
63 1.4 35.4 53.0#
89 1.4 61.9 92.9#
182 0.0 1.9 2.9#

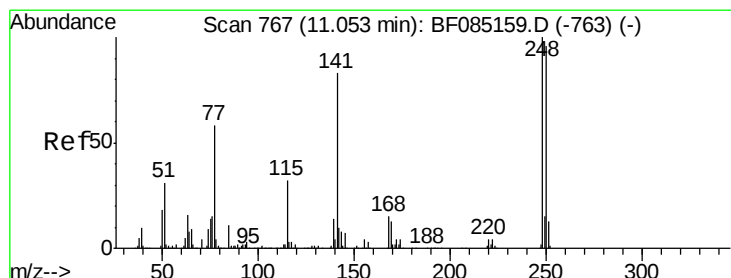
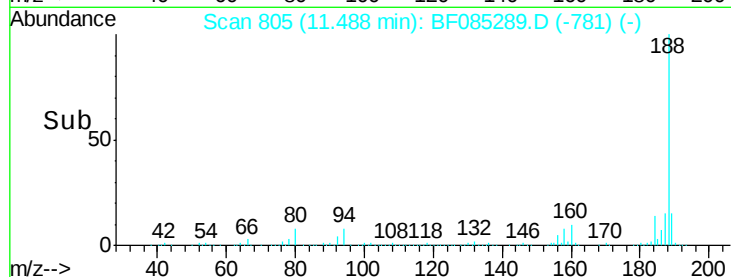
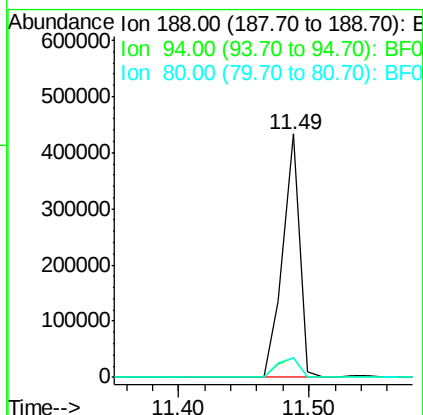
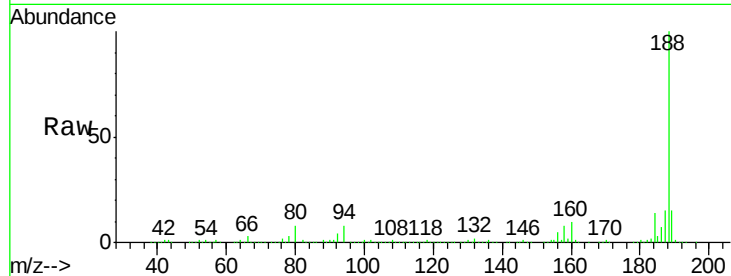




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.49 min Scan# 805
 Delta R.T. -0.02 min
 Lab File: BF085289.D
 Acq: 9 Mar 2016 6:58

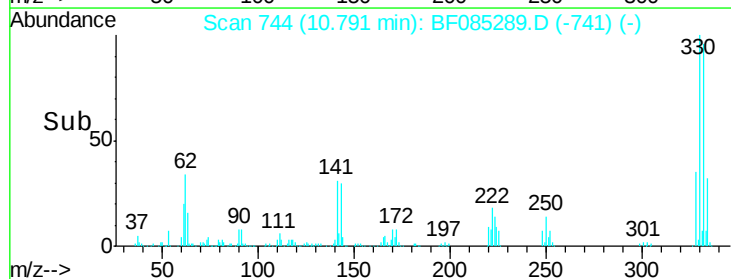
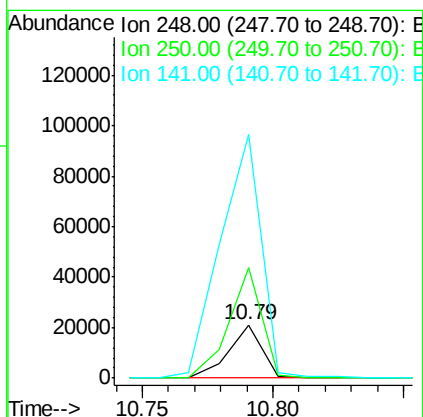
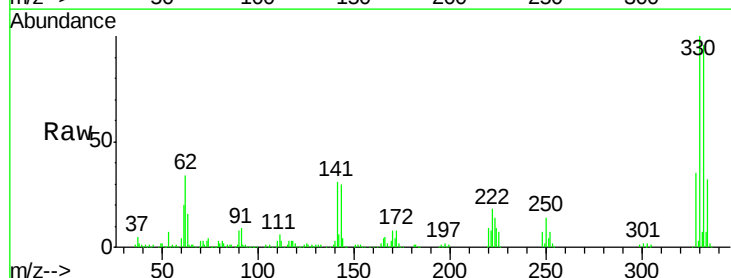
Instrument :
 BNA_G
 ClientSampleId :
 SB-43-COMP-0.5-2.5

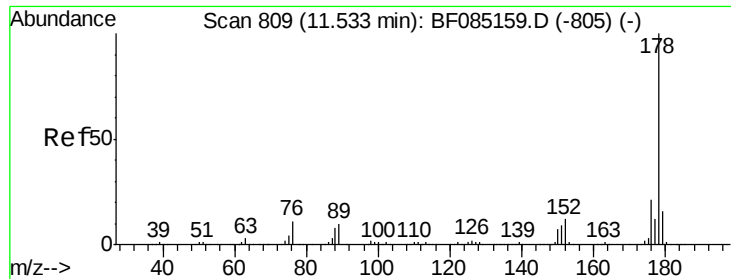
Tgt Ion:188 Resp: 399248
 Ion Ratio Lower Upper
 188 100
 94 7.8 7.0 10.6
 80 7.9 7.4 11.0



#66
 4-Bromophenyl-phenylether
 Concen: 4.91 ng
 RT: 10.79 min Scan# 744
 Delta R.T. -0.26 min
 Lab File: BF085289.D
 Acq: 9 Mar 2016 6:58

Tgt Ion:248 Resp: 19048
 Ion Ratio Lower Upper
 248 100
 250 206.9 77.1 115.7#
 141 455.2 66.2 99.2#





#70

Phenanthrene

Concen: 5.17 ng

RT: 11.51 min Scan# 807

Delta R.T. -0.02 min

Lab File: BF085289.D

Acq: 9 Mar 2016 6:58

Instrument :

BNA_G

ClientSampleId :

SB-43-COMP-0.5-2.5

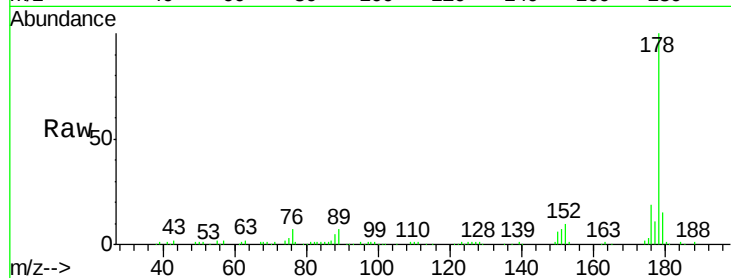
Tgt Ion:178 Resp: 108179

Ion Ratio Lower Upper

178 100

176 18.6 16.8 25.2

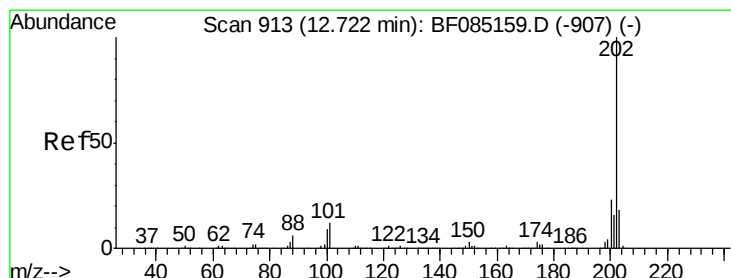
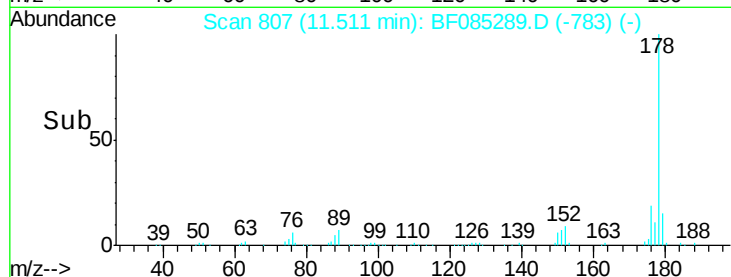
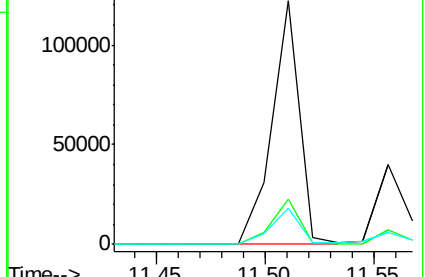
179 15.1 13.1 19.7



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



#74

Fluoranthene

Concen: 10.41 ng

RT: 12.70 min Scan# 911

Delta R.T. -0.02 min

Lab File: BF085289.D

Acq: 9 Mar 2016 6:58

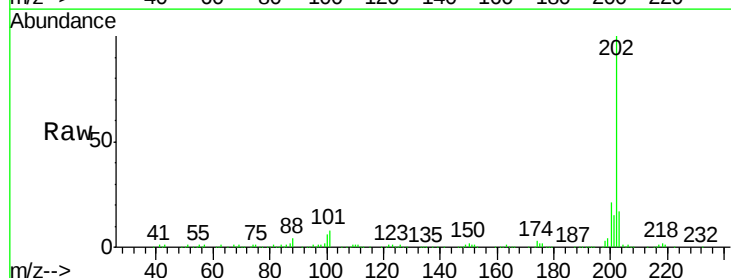
Tgt Ion:202 Resp: 218524

Ion Ratio Lower Upper

202 100

101 8.0 0.0 31.8

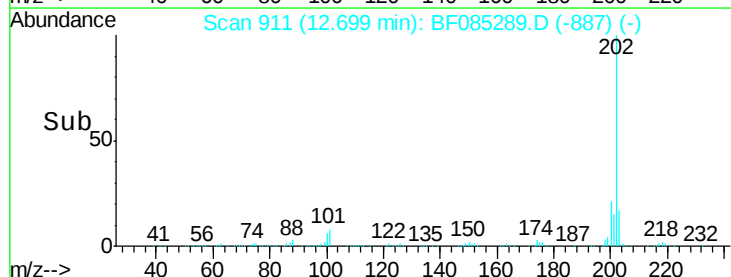
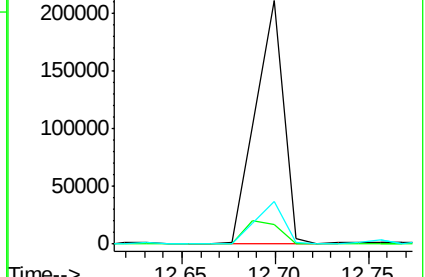
203 17.4 0.0 38.4

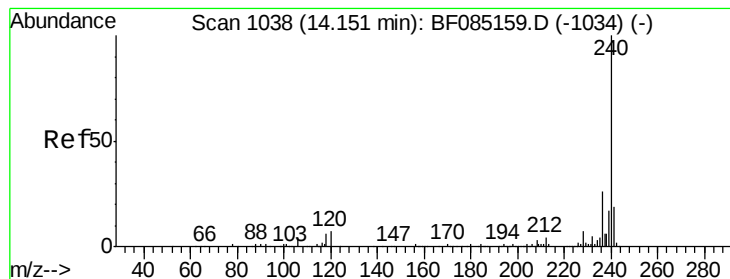


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.12 min Scan# 1035

Delta R.T. -0.03 min

Lab File: BF085289.D

Acq: 9 Mar 2016 6:58

Instrument :

BNA_G

ClientSampleId :

SB-43-COMP-0.5-2.5

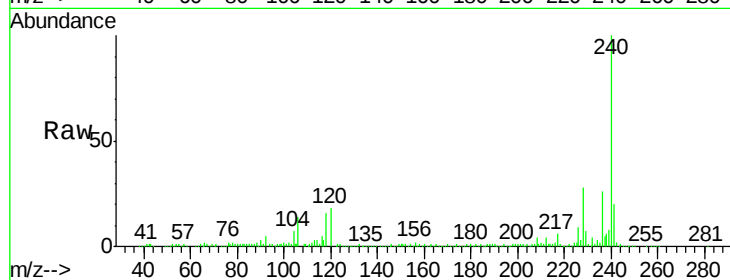
Tgt Ion:240 Resp: 313813

Ion Ratio Lower Upper

240 100

120 18.0 5.3 7.9#

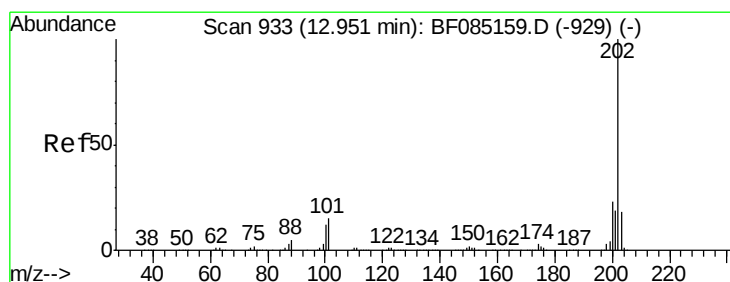
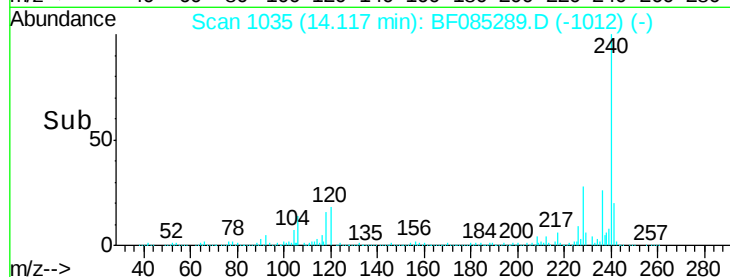
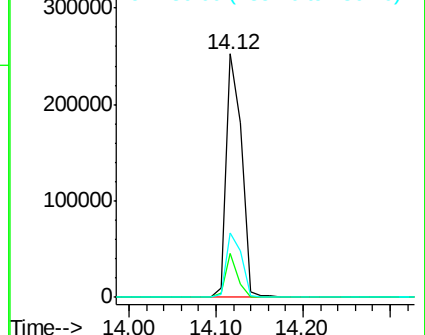
236 26.3 20.7 31.1



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

Pyrene

Concen: 9.24 ng

RT: 12.93 min Scan# 931

Delta R.T. -0.02 min

Lab File: BF085289.D

Acq: 9 Mar 2016 6:58

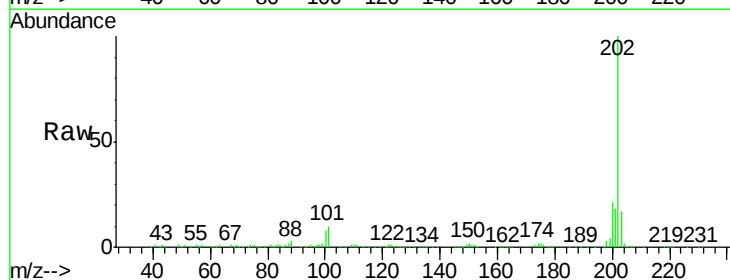
Tgt Ion:202 Resp: 218217

Ion Ratio Lower Upper

202 100

200 20.9 18.2 27.4

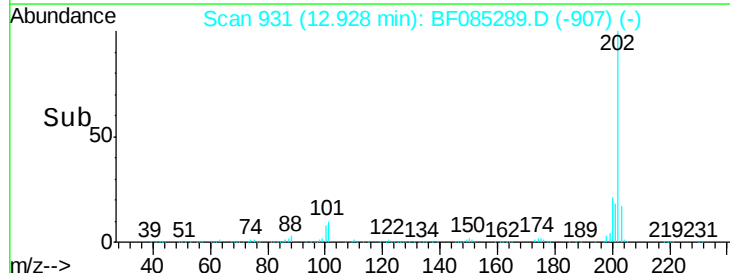
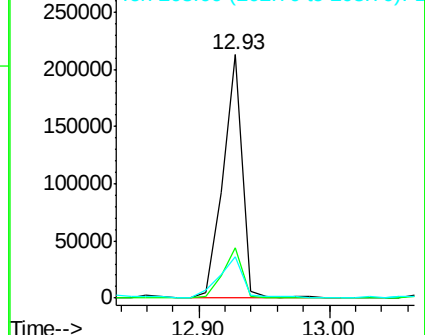
203 17.0 14.7 22.1

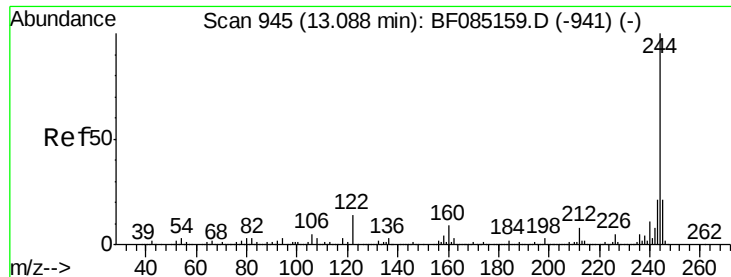


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

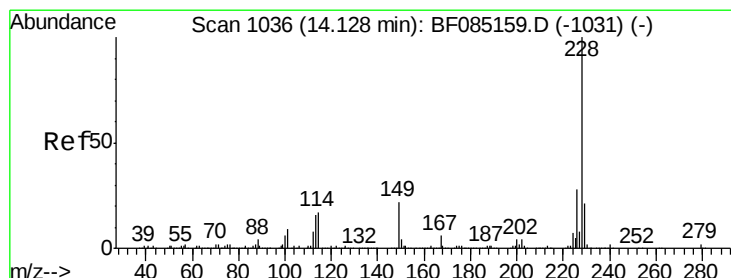
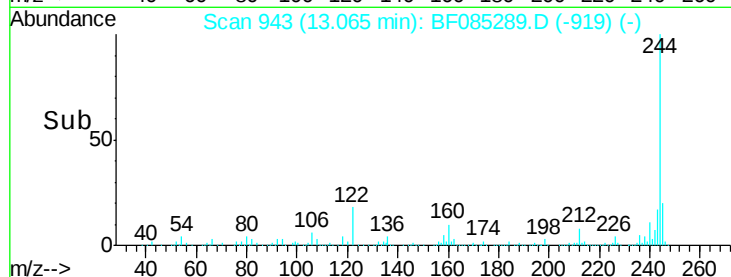
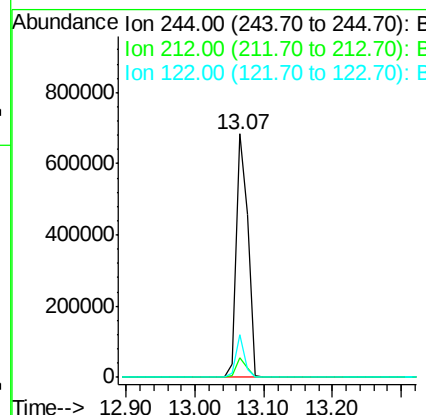
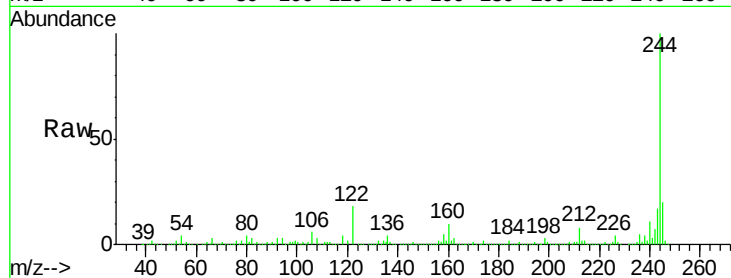




#78
 Terphenyl-d14
 Concen: 60.36 ng
 RT: 13.07 min Scan# 943
 Delta R.T. -0.02 min
 Lab File: BF085289.D
 Acq: 9 Mar 2016 6:58

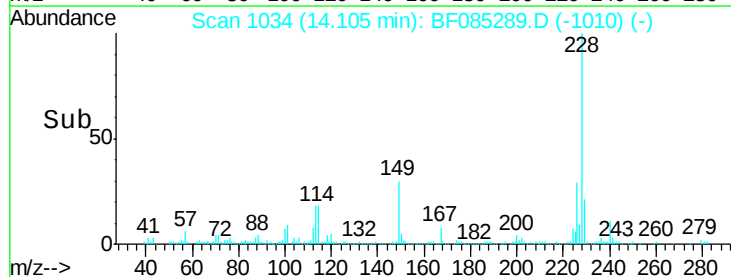
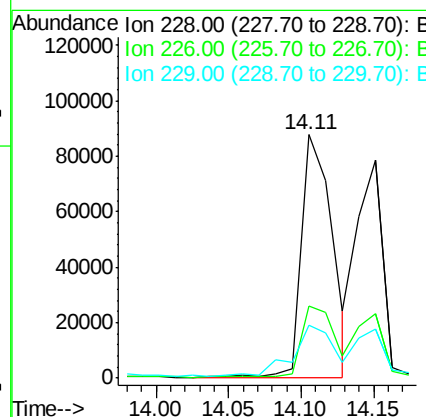
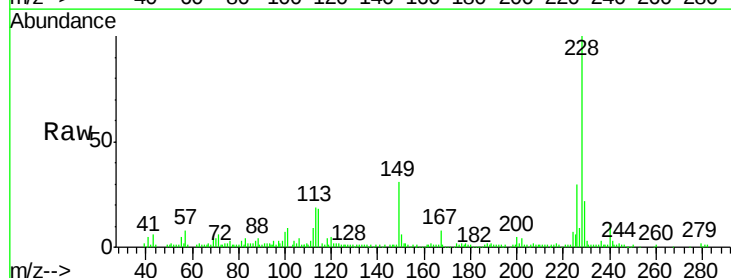
Instrument :
 BNA_G
 ClientSampleId :
 SB-43-COMP-0.5-2.5

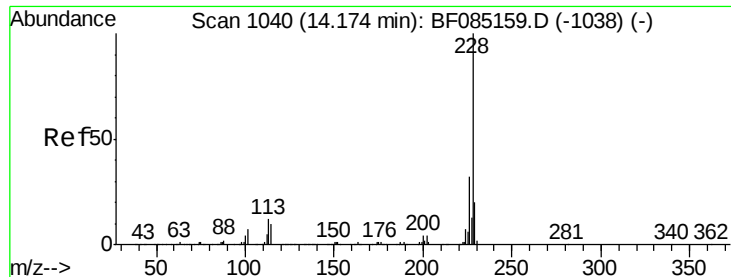
Tgt Ion:244 Resp: 816011
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.4 9.6
 122 17.7 11.4 17.2#



#80
 Benzo(a)anthracene
 Concen: 6.87 ng
 RT: 14.11 min Scan# 1034
 Delta R.T. -0.02 min
 Lab File: BF085289.D
 Acq: 9 Mar 2016 6:58

Tgt Ion:228 Resp: 129135
 Ion Ratio Lower Upper
 228 100
 226 29.7 22.8 34.2
 229 21.9 16.6 24.8





#82

Chrysene

Concen: 7.44 ng

RT: 14.11 min Scan# 1034

Delta R.T. -0.07 min

Lab File: BF085289.D

Acq: 9 Mar 2016 6:58

Instrument :

BNA_G

ClientSampleId :

SB-43-COMP-0.5-2.5

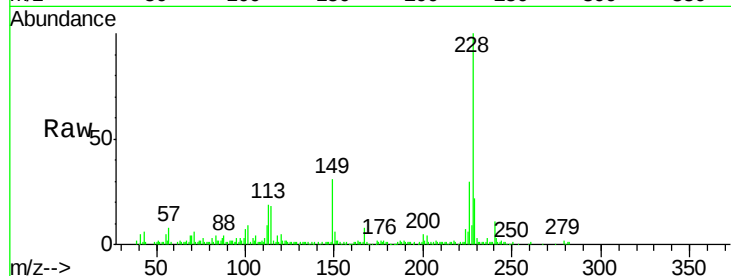
Tgt Ion: 228 Resp: 129135

Ion Ratio Lower Upper

228 100

226 29.7 25.2 37.8

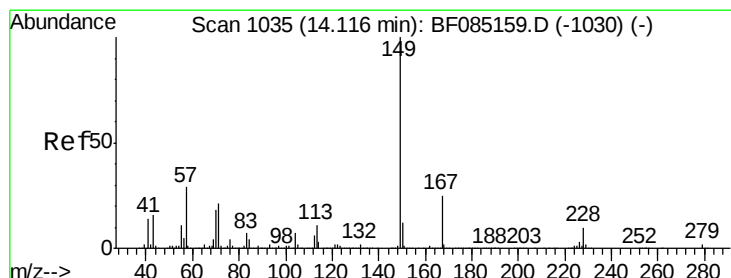
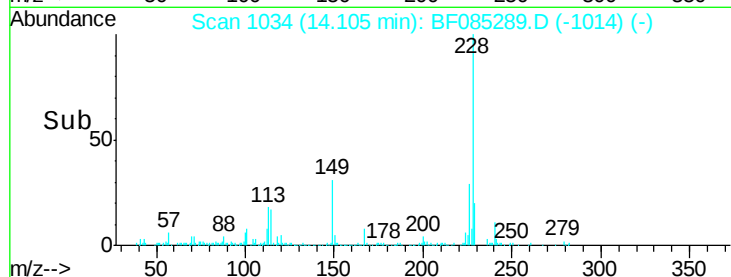
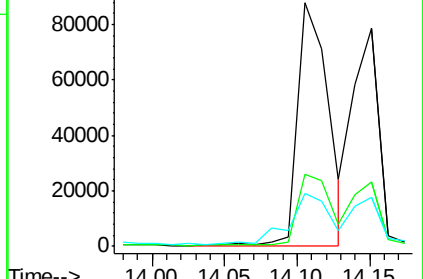
229 21.9 16.0 24.0



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.97 ng

RT: 14.09 min Scan# 1033

Delta R.T. -0.02 min

Lab File: BF085289.D

Acq: 9 Mar 2016 6:58

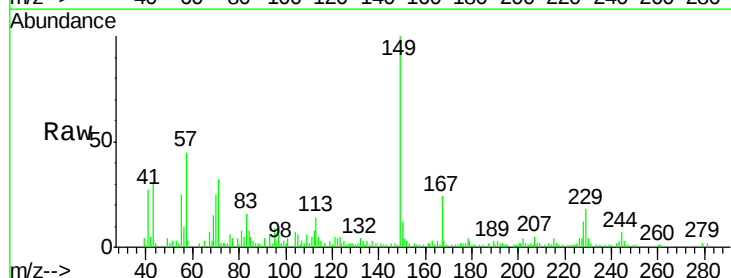
Tgt Ion: 149 Resp: 41833

Ion Ratio Lower Upper

149 100

167 23.6 20.3 30.5

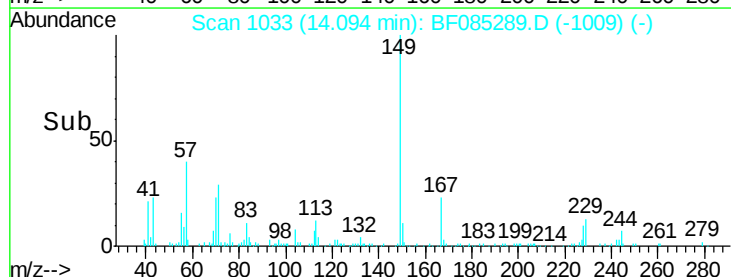
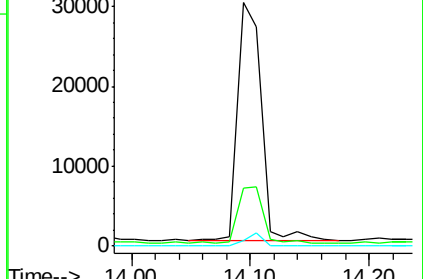
279 2.3 1.9 2.9

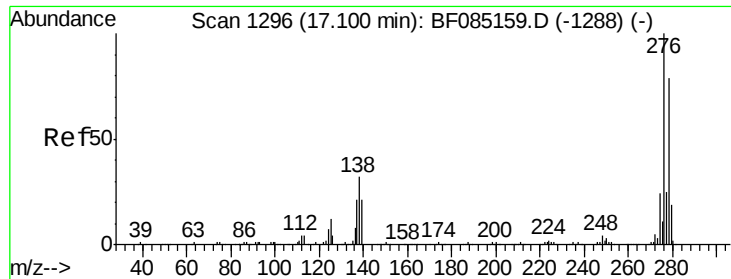


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

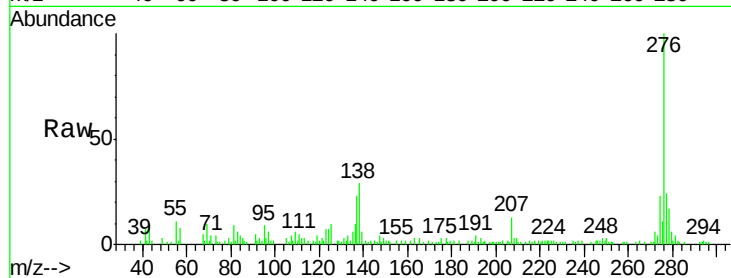




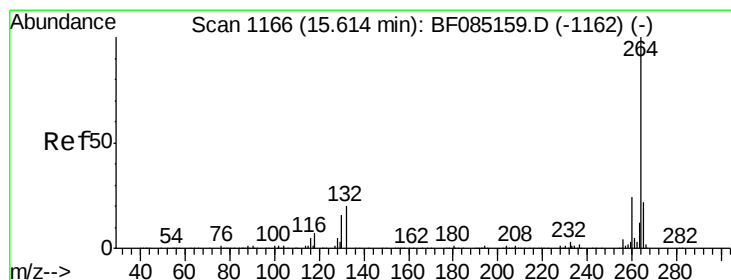
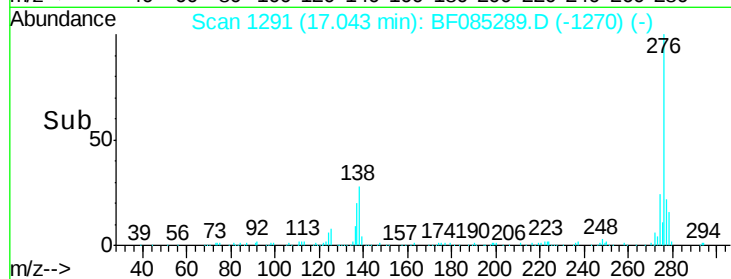
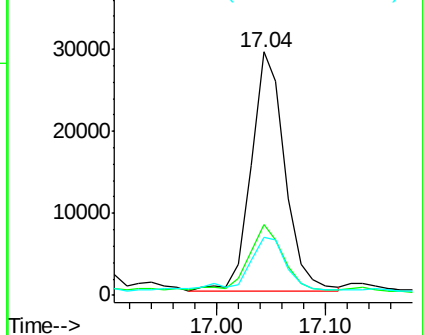
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.64 ng
 RT: 17.04 min Scan# 1291
 Delta R.T. -0.06 min
 Lab File: BF085289.D
 Acq: 9 Mar 2016 6:58

Instrument :
 BNA_G
 ClientSampleId :
 SB-43-COMP-0.5-2.5

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.5	26.4	39.6
277	26.0	20.2	30.2

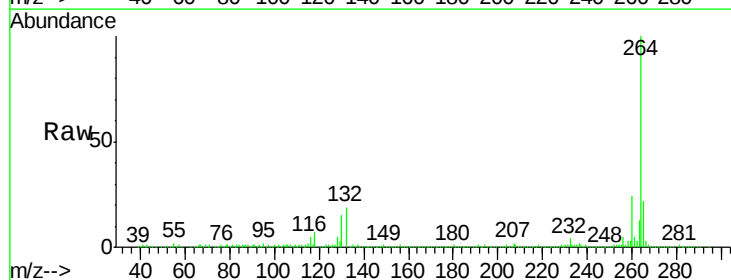


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

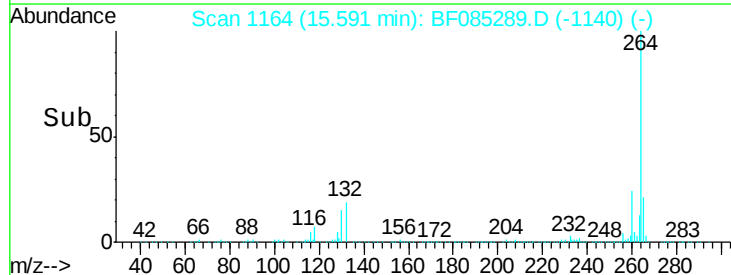
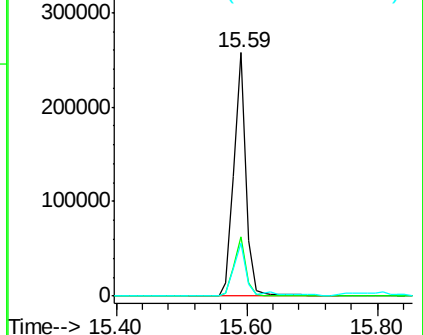


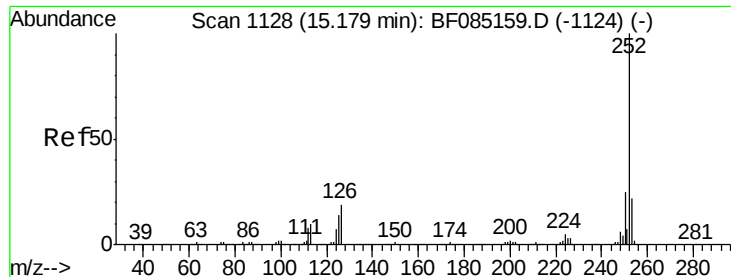
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.59 min Scan# 1164
 Delta R.T. -0.02 min
 Lab File: BF085289.D
 Acq: 9 Mar 2016 6:58

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	21.6	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: 9.22 ng

RT: 15.16 min Scan# 1126

Delta R.T. -0.02 min

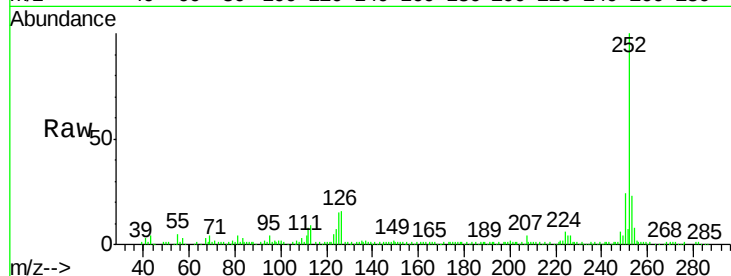
Lab File: BF085289.D

Acq: 9 Mar 2016 6:58

Instrument :
BNA_G
ClientSampleId :
SB-43-COMP-0.5-2.5

Tgt Ion: 252 Resp: 200924

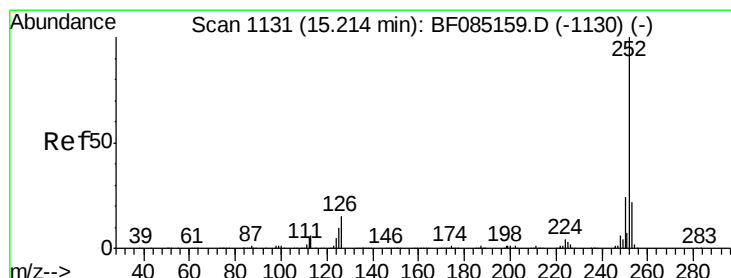
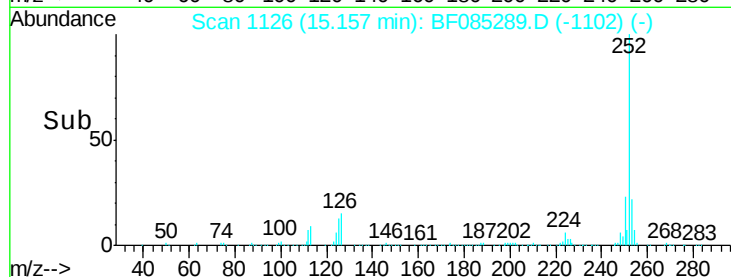
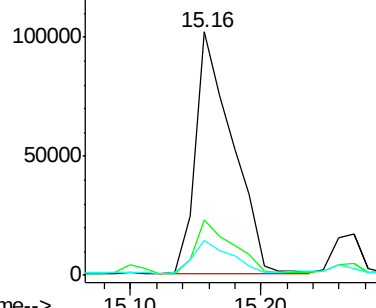
Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.6
125	14.6	11.3	16.9



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: 11.43 ng

RT: 15.16 min Scan# 1126

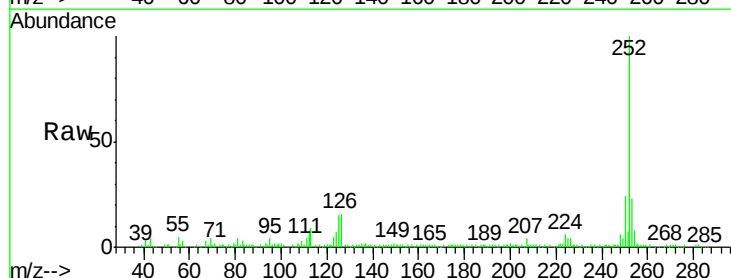
Delta R.T. -0.06 min

Lab File: BF085289.D

Acq: 9 Mar 2016 6:58

Tgt Ion: 252 Resp: 200924

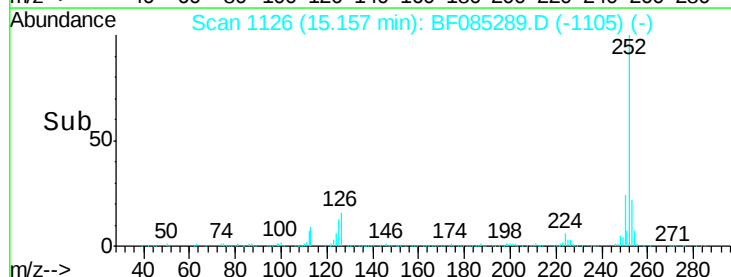
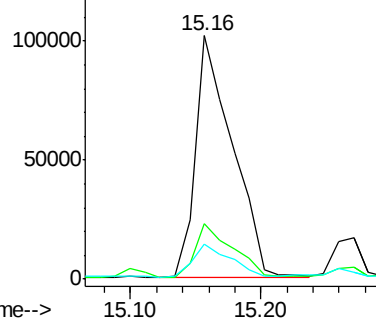
Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.6
125	14.6	10.4	15.6

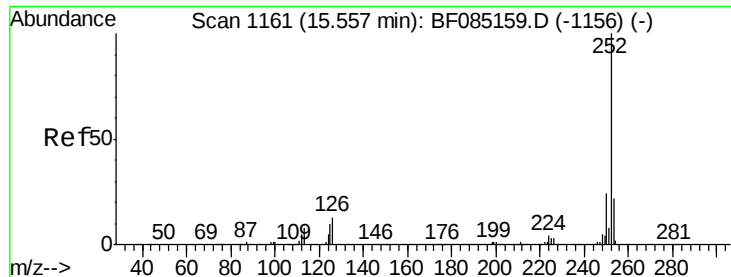


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 6.09 ng

RT: 15.52 min Scan# 1158

Delta R.T. -0.03 min

Lab File: BF085289.D

Acq: 9 Mar 2016 6:58

Instrument :

BNA_G

ClientSampleId :

SB-43-COMP-0.5-2.5

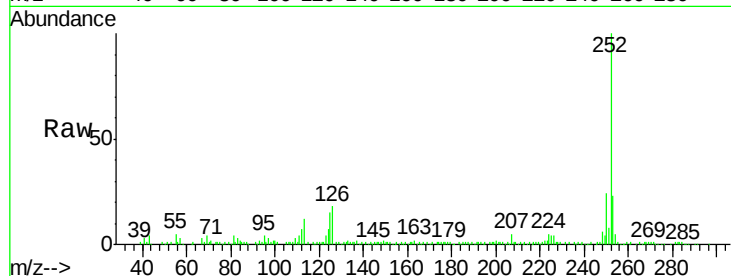
Tgt Ion:252 Resp: 109903

Ion Ratio Lower Upper

252 100

253 23.0 17.4 26.0

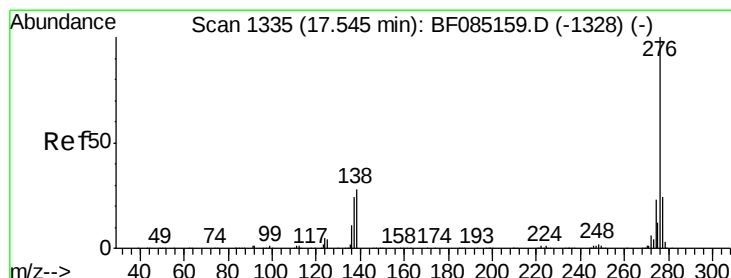
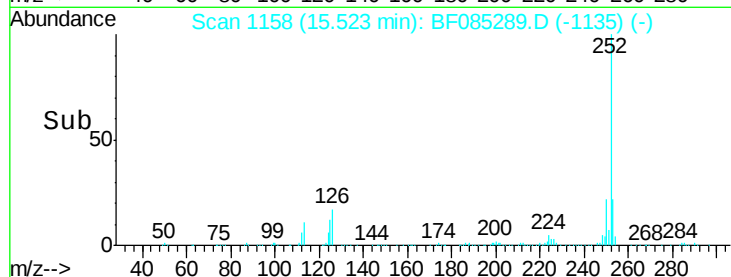
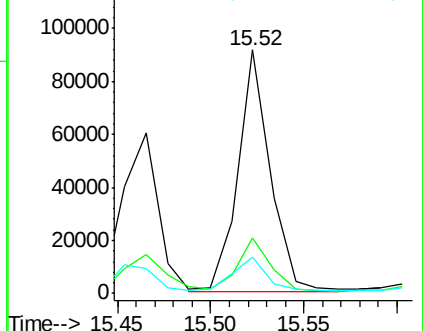
125 14.8 8.2 12.4#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Benzo(g,h,i)perylene

Concen: 3.84 ng

RT: 17.49 min Scan# 1330

Delta R.T. -0.06 min

Lab File: BF085289.D

Acq: 9 Mar 2016 6:58

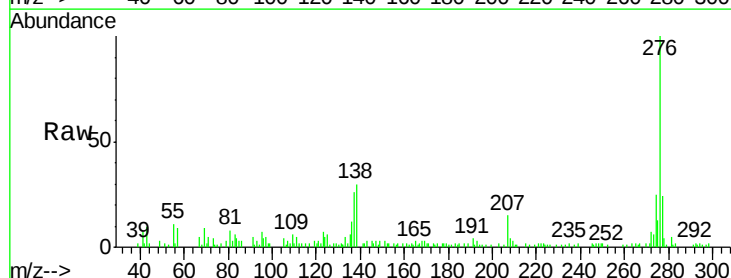
Tgt Ion:276 Resp: 59580

Ion Ratio Lower Upper

276 100

277 24.2 19.0 28.4

138 29.6 22.5 33.7



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

