

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030816\
 Data File : BF085281.D
 Acq On : 9 Mar 2016 3:15
 Operator : UM/SJ
 Sample : H1703-06
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-40COMP(0.5-1.0)

Quant Time: Mar 09 03:42:25 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	159479	20.00	ng	-0.02
21) Naphthalene-d8	8.24	136	612415	20.00	ng	-0.02
38) Acenaphthene-d10	10.00	164	282745	20.00	ng	-0.02
63) Phenanthrene-d10	11.49	188	484367	20.00	ng	-0.02
75) Chrysene-d12	14.12	240	273596	20.00	ng	-0.03
86) Perylene-d12	15.59	264	274168	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	1117393	117.53	ng	-0.01
7) Phenol-d6	6.58	99	1340818	107.64	ng	-0.02
23) Nitrobenzene-d5	7.52	82	898284	78.49	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	324930	134.31	ng	-0.02
44) 2-Fluorobiphenyl	9.33	172	1366184	73.48	ng	-0.02
78) Terphenyl-d14	13.07	244	802475	68.09	ng	-0.02

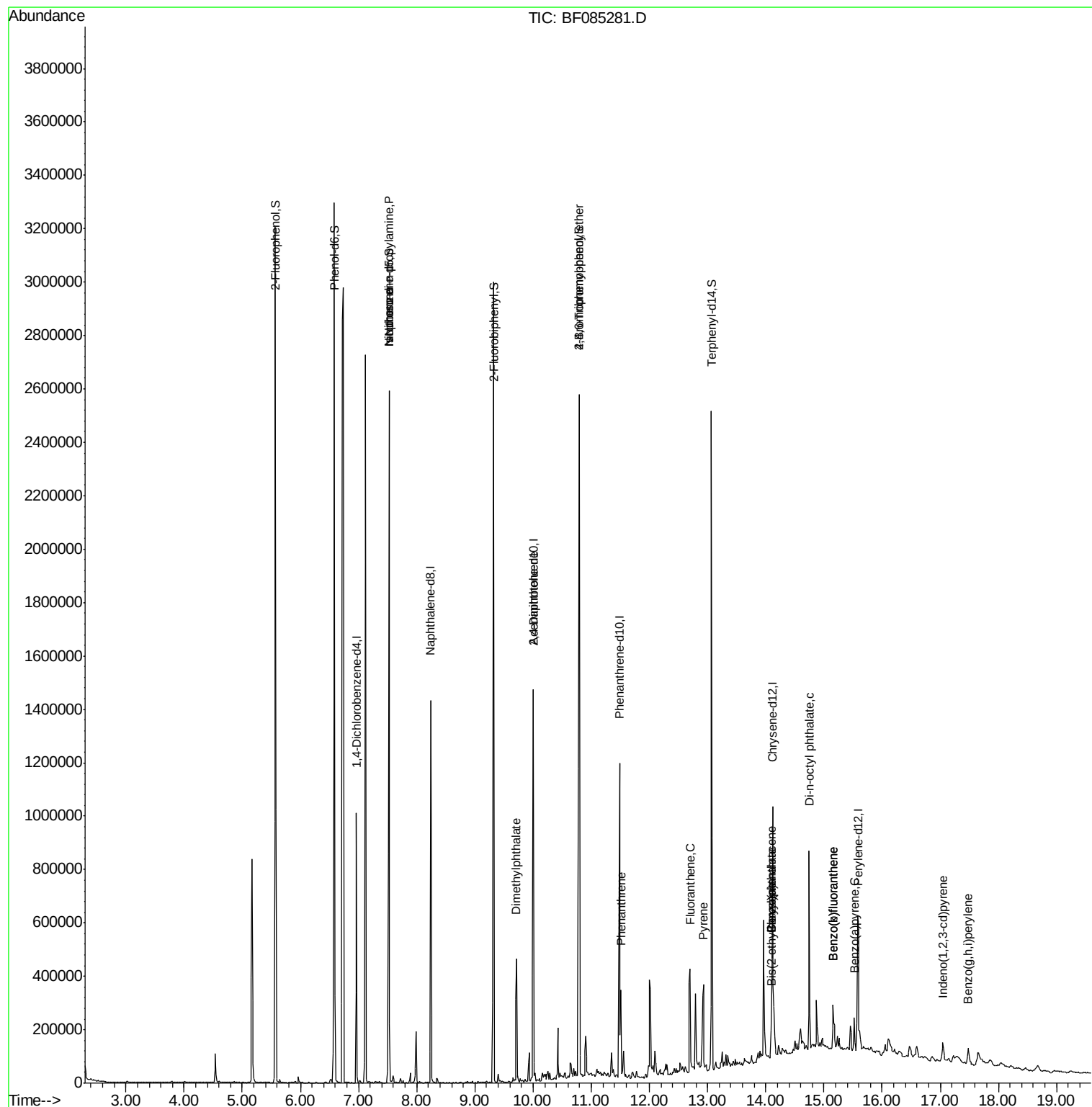
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.52	70	120376	14.83	ng	# 78
25) Isophorone	7.52	82	675667	31.86	ng	# 67
49) Dimethylphthalate	9.72	163	241687	11.14	ng	99
56) 2,4-Dinitrotoluene	10.00	165	35958	6.05	ng	# 22
66) 4-Bromophenyl-phenylether	10.79	248	23841	5.07	ng	# 1
70) Phenanthrene	11.51	178	134105	5.28	ng	96
74) Fluoranthene	12.70	202	206495	8.11	ng	95
77) Pyrene	12.93	202	180505	8.77	ng	96
80) Benzo(a)anthracene	14.11	228	86679	5.29	ng	98
82) Chrysene	14.11	228	86679	5.73	ng	95
83) Bis(2-ethylhexyl)phthalate	14.09	149	25355	2.06	ng	100
84) Di-n-octyl phthalate	14.75	149	74218	3.96	ng	# 62
85) Indeno(1,2,3-cd)pyrene	17.04	276	46686	3.95	ng	91
87) Benzo(b)fluoranthene	15.16	252	120137	6.57	ng	99
88) Benzo(k)fluoranthene	15.16	252	120137	8.15	ng	98
89) Benzo(a)pyrene	15.52	252	64779	4.28	ng	# 96
91) Benzo(g,h,i)perylene	17.48	276	47155	3.63	ng	96

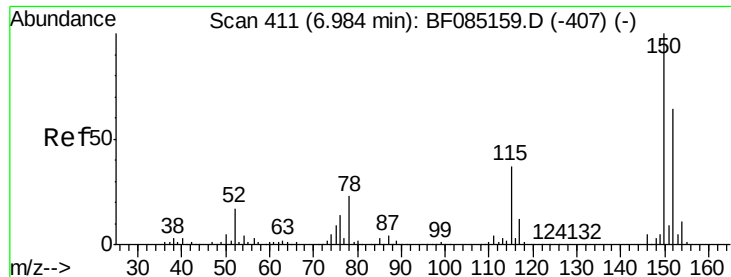
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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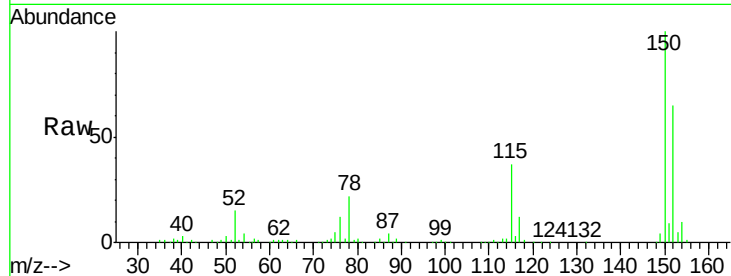




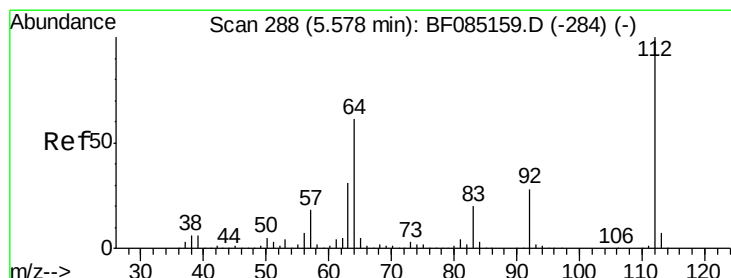
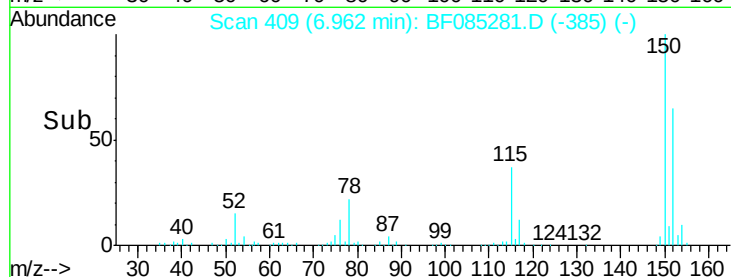
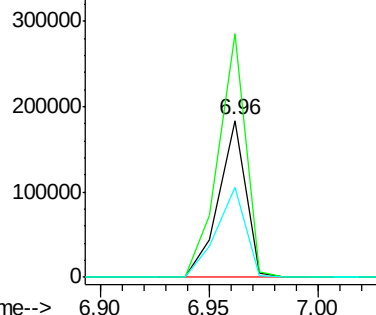
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.96 min Scan# 409
 Delta R.T. -0.02 min
 Lab File: BF085281.D
 Acq: 9 Mar 2016 3:15

Instrument :
 BNA_F
 ClientSampleId :
 SB-40COMP(0.5-1.0)

Tgt Ion:152 Resp: 159479
 Ion Ratio Lower Upper
 152 100
 150 154.9 124.6 186.8
 115 57.4 46.6 70.0

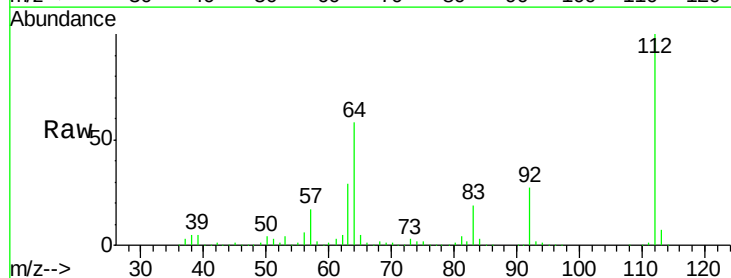


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

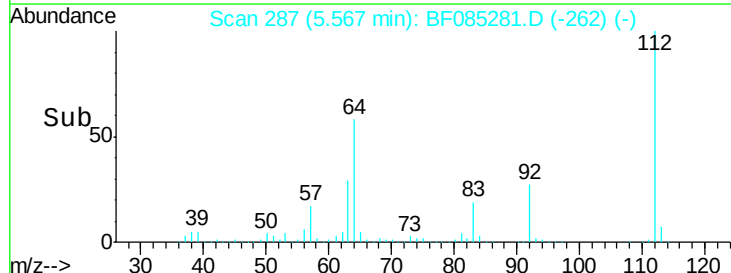
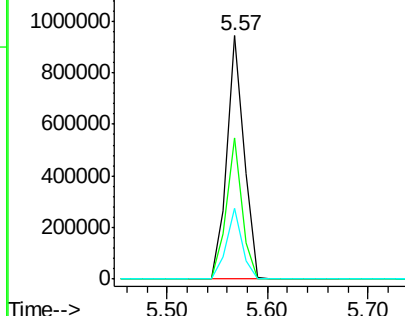


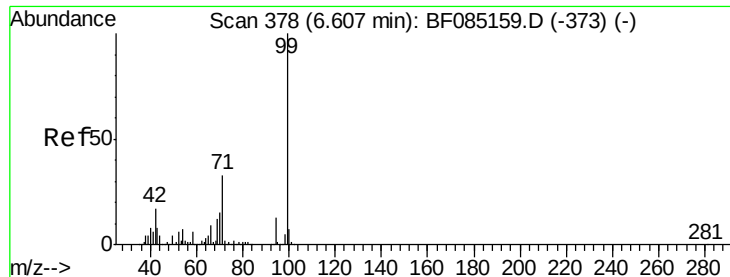
#5
 2-Fluorophenol
 Concen: 117.53 ng
 RT: 5.57 min Scan# 287
 Delta R.T. -0.01 min
 Lab File: BF085281.D
 Acq: 9 Mar 2016 3:15

Tgt Ion:112 Resp: 1117393
 Ion Ratio Lower Upper
 112 100
 64 57.9 49.0 73.4
 63 29.2 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: 107.64 ng

RT: 6.58 min Scan# 376

Delta R.T. -0.02 min

Lab File: BF085281.D

Acq: 9 Mar 2016 3:15

Instrument :

BNA_F

ClientSampleId :

SB-40COMP(0.5-1.0)

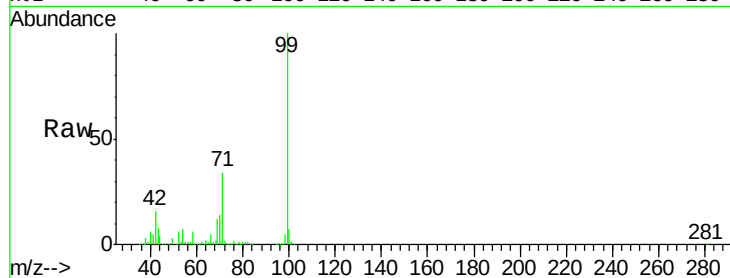
Tgt Ion: 99 Resp: 1340818

Ion Ratio Lower Upper

99 100

42 15.9 13.6 20.4

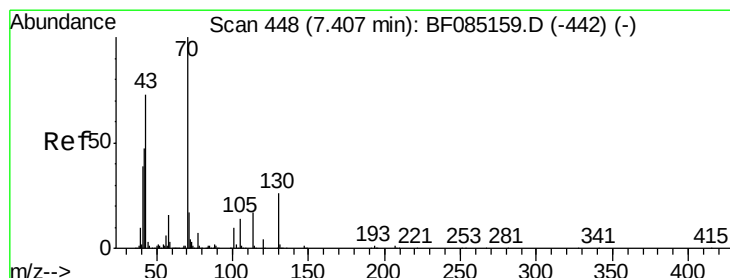
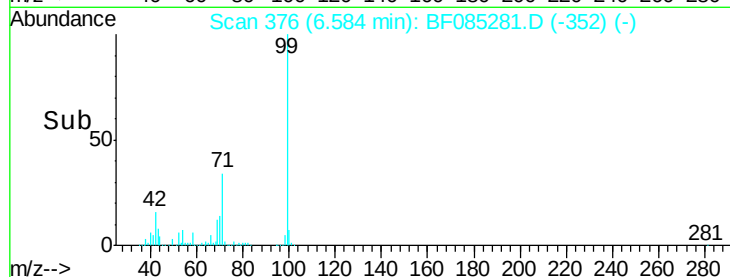
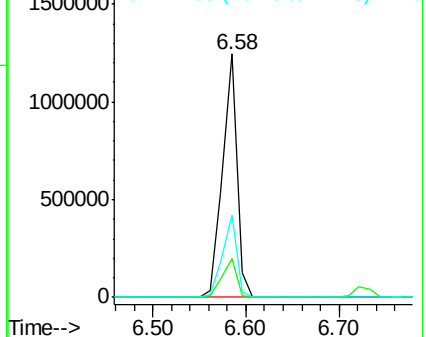
71 33.6 26.7 40.1



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: 14.83 ng

RT: 7.52 min Scan# 458

Delta R.T. 0.11 min

Lab File: BF085281.D

Acq: 9 Mar 2016 3:15

Tgt Ion: 70 Resp: 120376

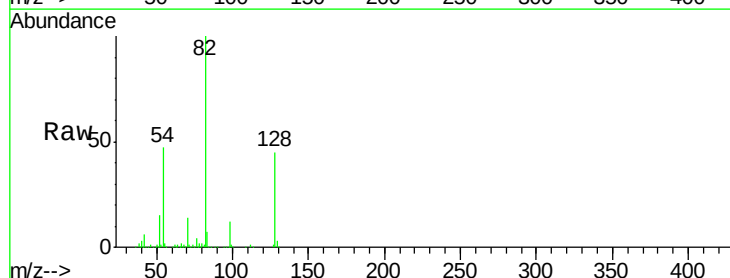
Ion Ratio Lower Upper

70 100

42 42.5 37.7 56.5

101 0.0 8.2 12.4#

130 2.3 20.5 30.7#

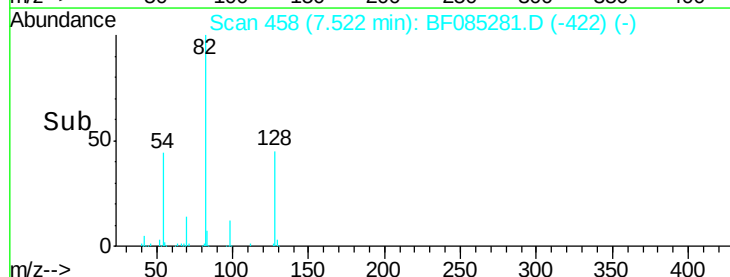
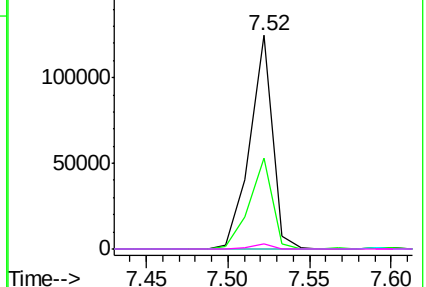


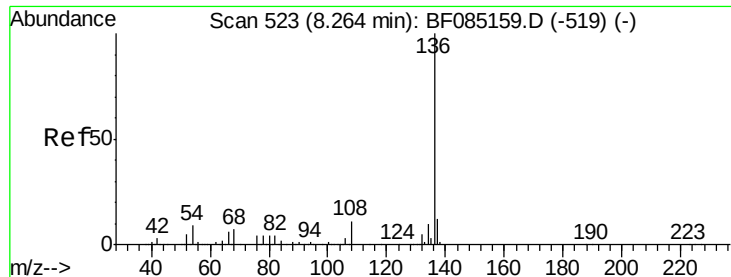
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

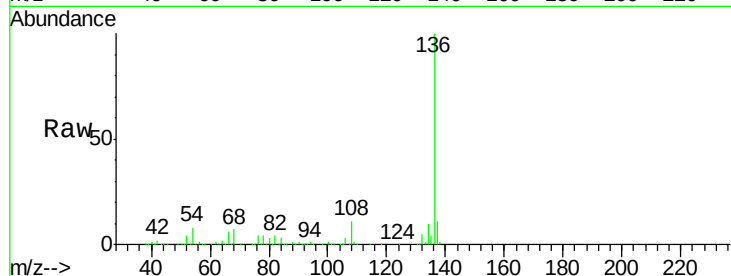




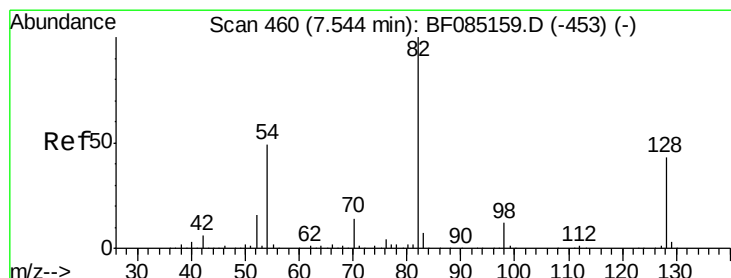
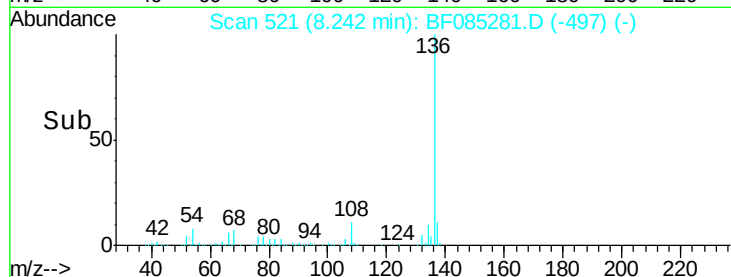
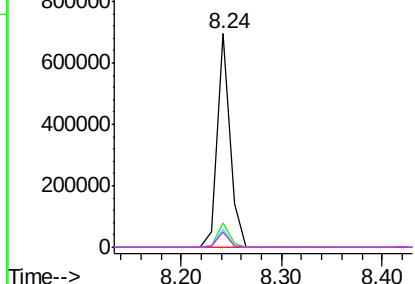
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.24 min Scan# 521
Delta R.T. -0.02 min
Lab File: BF085281.D
Acq: 9 Mar 2016 3:15

Instrument :
BNA_F
ClientSampleId :
SB-40COMP(0.5-1.0)

Tgt Ion:	136	Resp:	612415
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.3	13.9
54	8.3	7.4	11.2
68	7.0	6.0	9.0

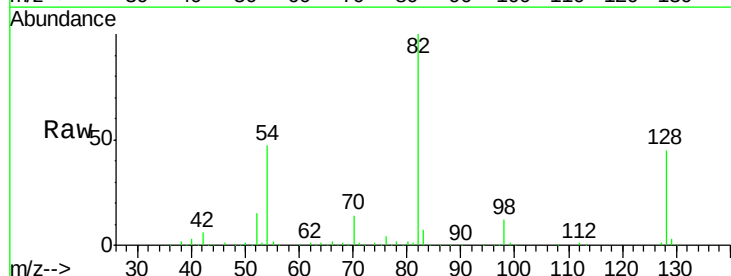


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

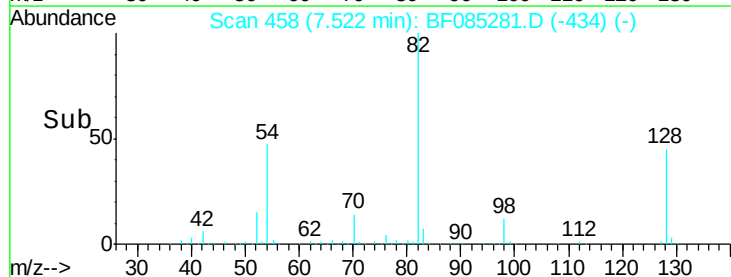
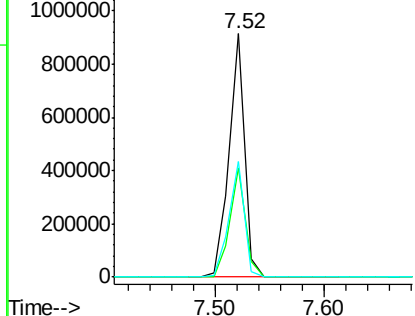


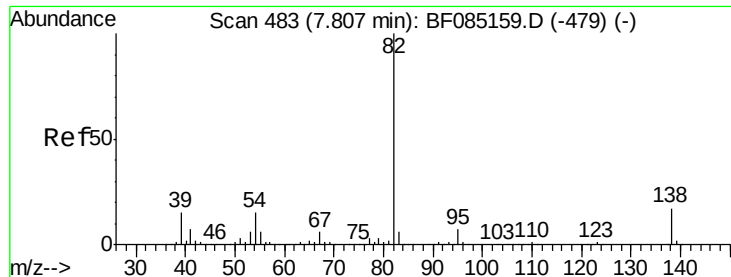
#23
Nitrobenzene-d5
Concen: 78.49 ng
RT: 7.52 min Scan# 458
Delta R.T. -0.02 min
Lab File: BF085281.D
Acq: 9 Mar 2016 3:15

Tgt Ion:	82	Resp:	898284
Ion	Ratio	Lower	Upper
82	100		
128	44.7	34.5	51.7
54	47.4	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: 31.86 ng

RT: 7.52 min Scan# 458

Delta R.T. -0.29 min

Lab File: BF085281.D

Acq: 9 Mar 2016 3:15

Instrument :

BNA_F

ClientSampleId :

SB-40COMP(0.5-1.0)

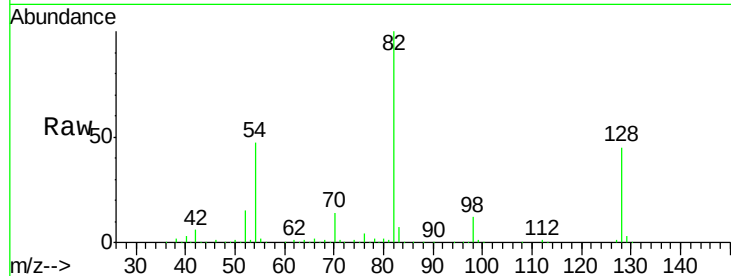
Tgt Ion: 82 Resp: 675667

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

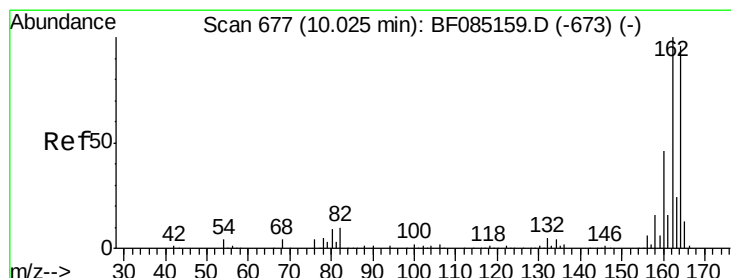
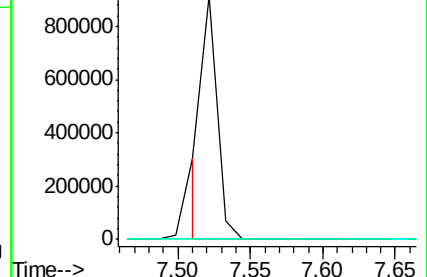
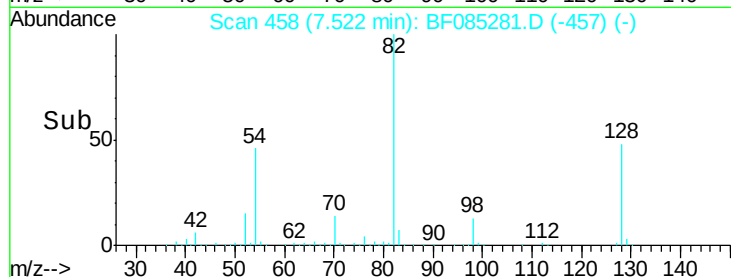
138 0.0 13.3 19.9#



Abundance Ion 82.00 (81.70 to 82.70): BF085281.D (-457) (-)

Ion 95.00 (94.70 to 95.70): BF085281.D (-457) (-)

Ion 138.00 (137.70 to 138.70): BF085281.D (-457) (-)



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.00 min Scan# 675

Delta R.T. -0.02 min

Lab File: BF085281.D

Acq: 9 Mar 2016 3:15

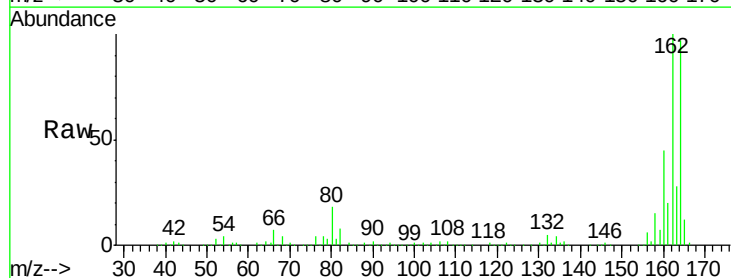
Tgt Ion: 164 Resp: 282745

Ion Ratio Lower Upper

164 100

162 102.7 83.3 124.9

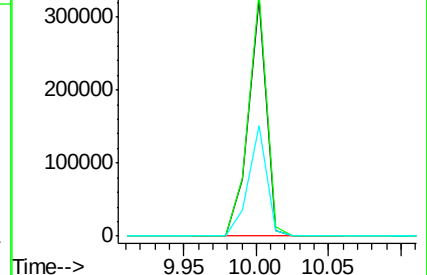
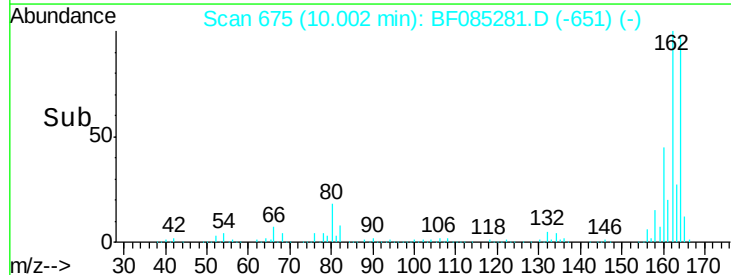
160 46.7 37.9 56.9

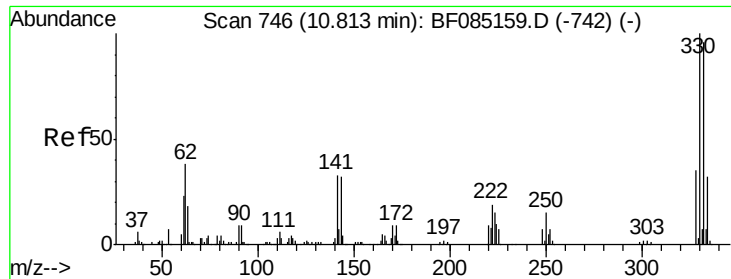


Abundance Ion 164.00 (163.70 to 164.70): BF085281.D (-651) (-)

Ion 162.00 (161.70 to 162.70): BF085281.D (-651) (-)

Ion 160.00 (159.70 to 160.70): BF085281.D (-651) (-)

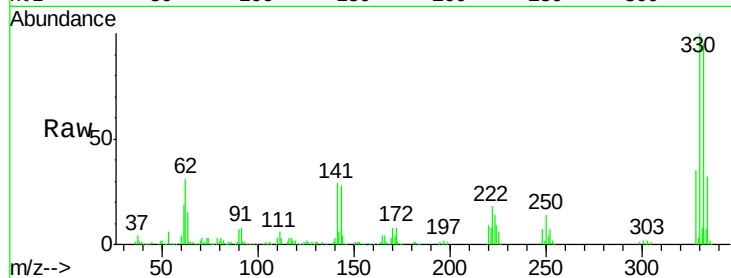




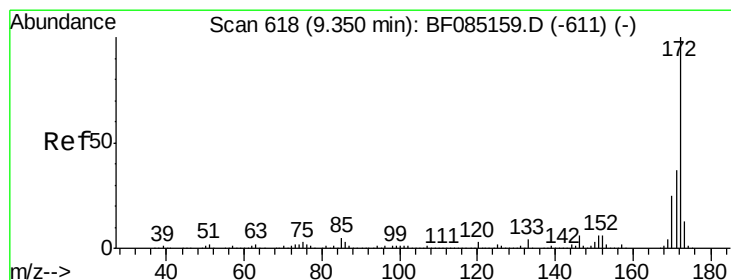
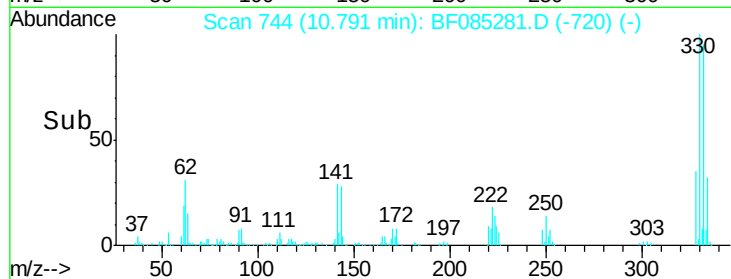
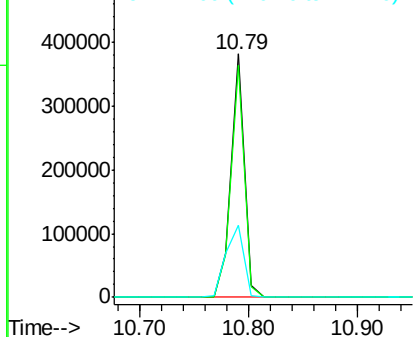
#41
 2,4,6-Tribromophenol
 Concen: 134.31 ng
 RT: 10.79 min Scan# 744
 Delta R.T. -0.02 min
 Lab File: BF085281.D
 Acq: 9 Mar 2016 3:15

Instrument :
 BNA_F
 ClientSampleId :
 SB-40COMP(0.5-1.0)

Tgt Ion:330 Resp: 324930
 Ion Ratio Lower Upper
 330 100
 332 95.6 77.1 115.7
 141 39.9 35.0 52.6

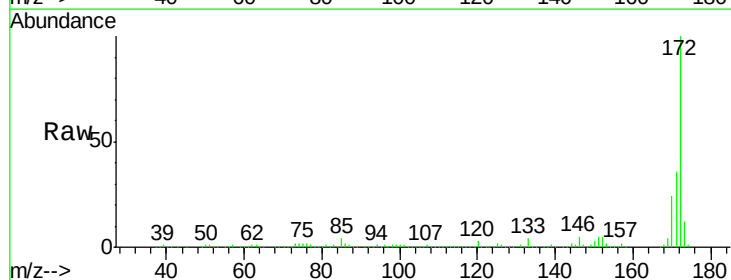


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

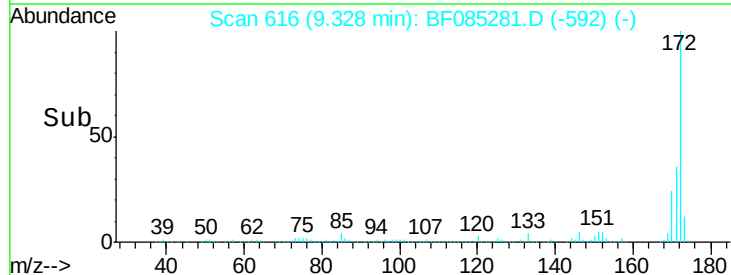
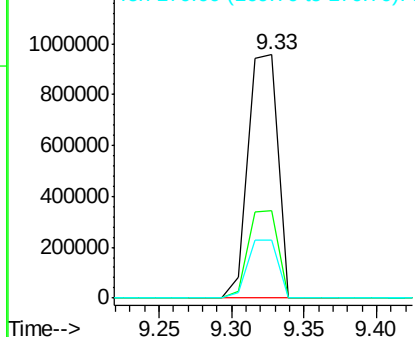


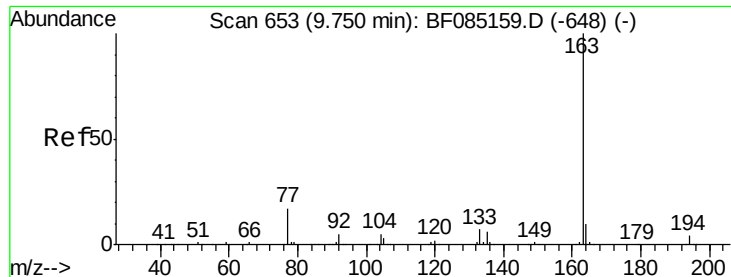
#44
 2-Fluorobiphenyl
 Concen: 73.48 ng
 RT: 9.33 min Scan# 616
 Delta R.T. -0.02 min
 Lab File: BF085281.D
 Acq: 9 Mar 2016 3:15

Tgt Ion:172 Resp: 1366184
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.3 43.9
 170 24.0 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: 11.14 ng

RT: 9.72 min Scan# 650

Delta R.T. -0.03 min

Lab File: BF085281.D

Acq: 9 Mar 2016 3:15

Instrument :

BNA_F

ClientSampleId :

SB-40COMP(0.5-1.0)

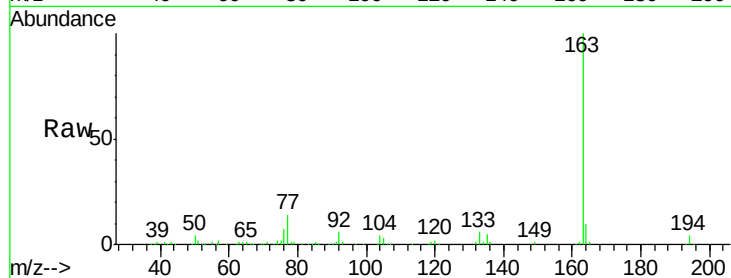
Tgt Ion:163 Resp: 241687

Ion Ratio Lower Upper

163 100

194 3.9 3.1 4.7

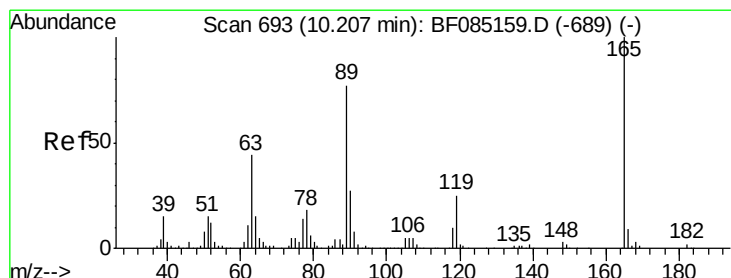
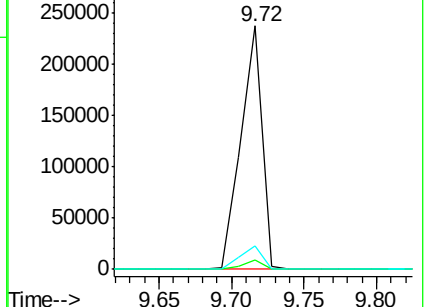
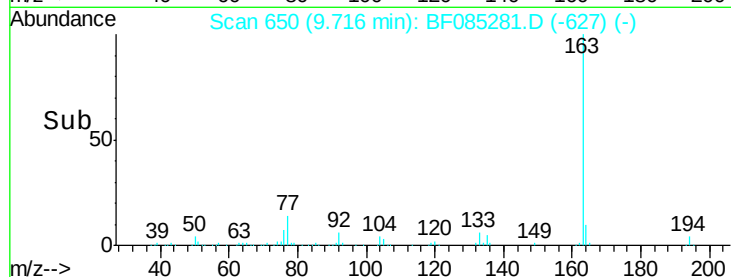
164 9.7 8.2 12.4



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: 6.05 ng

RT: 10.00 min Scan# 675

Delta R.T. -0.21 min

Lab File: BF085281.D

Acq: 9 Mar 2016 3:15

Tgt Ion:165 Resp: 35958

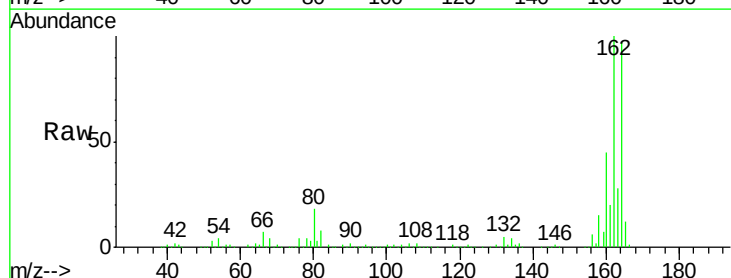
Ion Ratio Lower Upper

165 100

63 1.2 35.4 53.0#

89 1.7 61.9 92.9#

182 0.0 1.9 2.9#

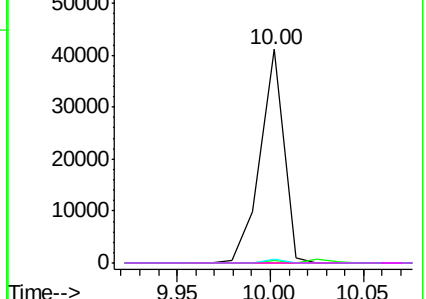
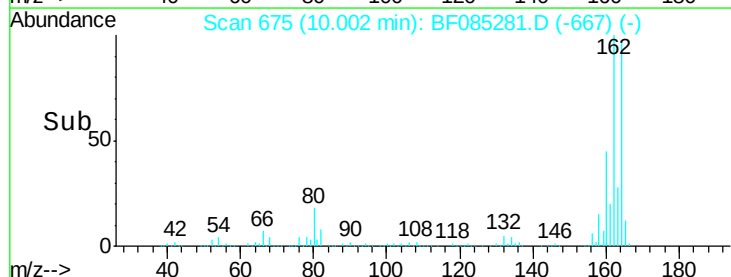


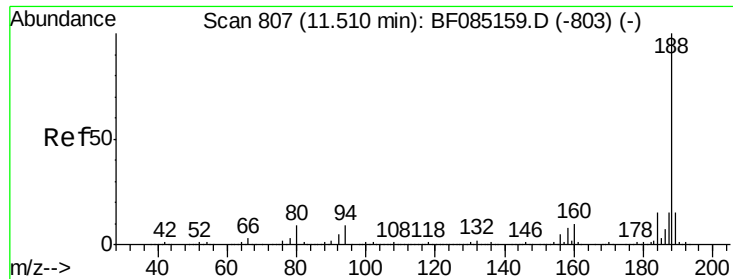
Abundance Ion 165.00 (164.70 to 165.70): E

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

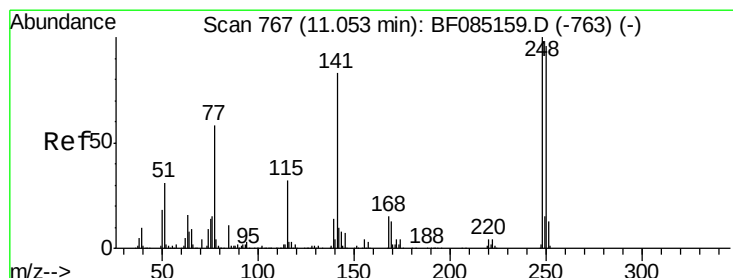
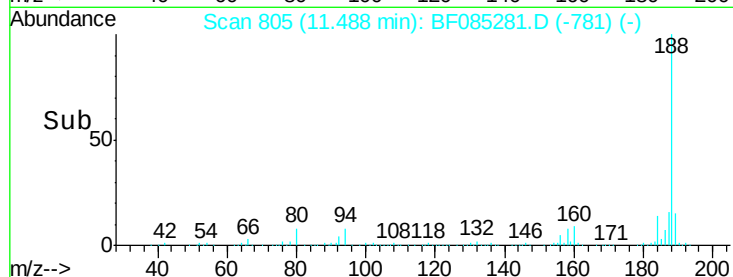
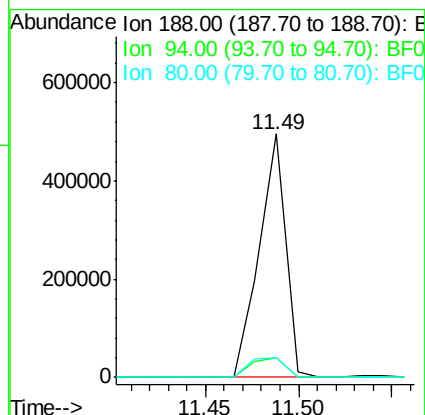
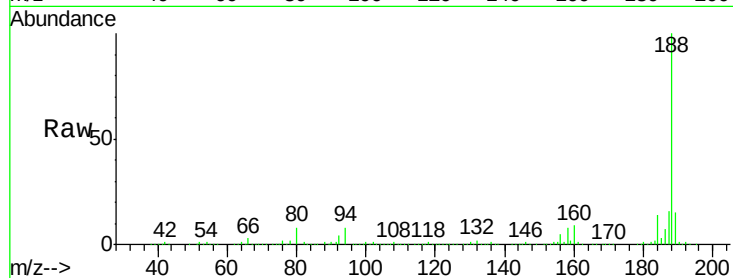




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.49 min Scan# 805
 Delta R.T. -0.02 min
 Lab File: BF085281.D
 Acq: 9 Mar 2016 3:15

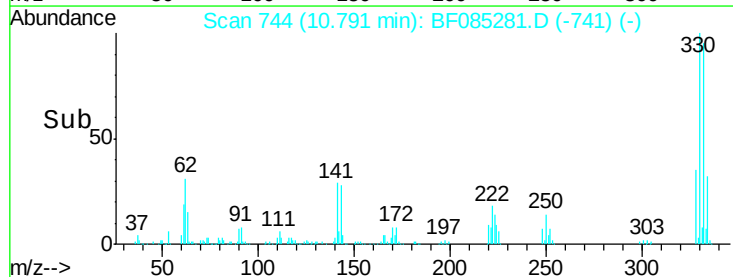
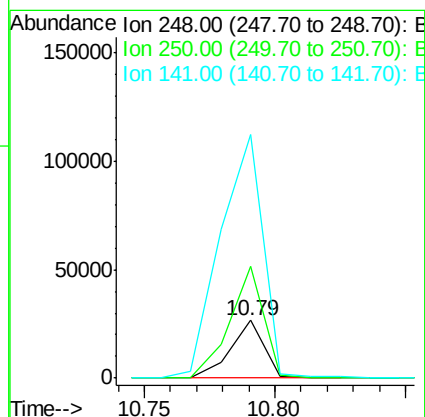
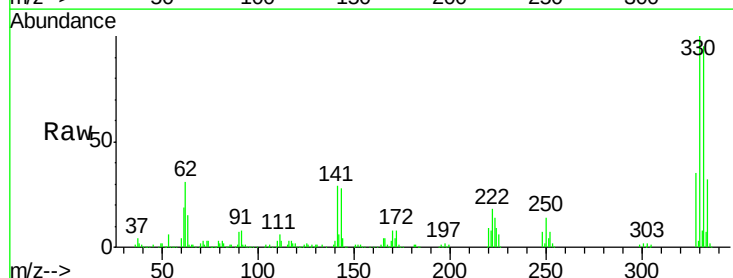
Instrument :
 BNA_F
 ClientSampleId :
 SB-40COMP(0.5-1.0)

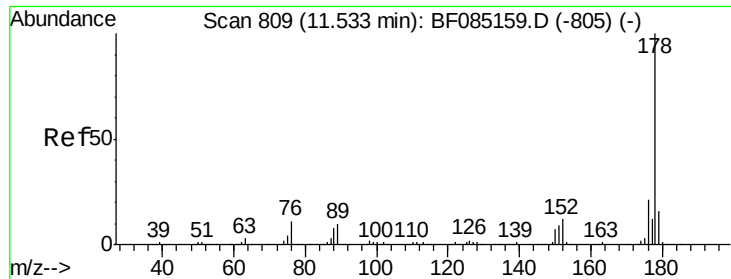
Tgt Ion:188 Resp: 484367
 Ion Ratio Lower Upper
 188 100
 94 7.9 7.0 10.6
 80 7.9 7.4 11.0



#66
 4-Bromophenyl-phenylether
 Concen: 5.07 ng
 RT: 10.79 min Scan# 744
 Delta R.T. -0.26 min
 Lab File: BF085281.D
 Acq: 9 Mar 2016 3:15

Tgt Ion:248 Resp: 23841
 Ion Ratio Lower Upper
 248 100
 250 194.2 77.1 115.7#
 141 421.0 66.2 99.2#





#70

Phenanthrene

Concen: 5.28 ng

RT: 11.51 min Scan# 807

Delta R.T. -0.02 min

Lab File: BF085281.D

Acq: 9 Mar 2016 3:15

Instrument :

BNA_F

ClientSampleId :

SB-40COMP(0.5-1.0)

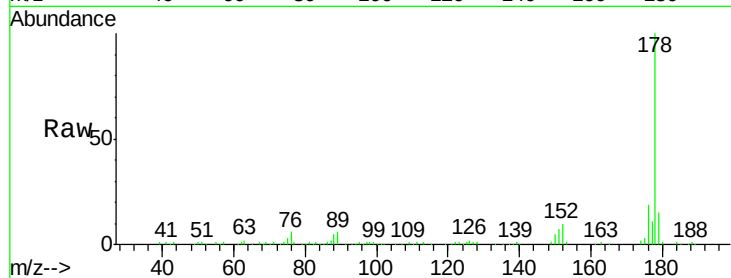
Tgt Ion:178 Resp: 134105

Ion Ratio Lower Upper

178 100

176 19.0 16.8 25.2

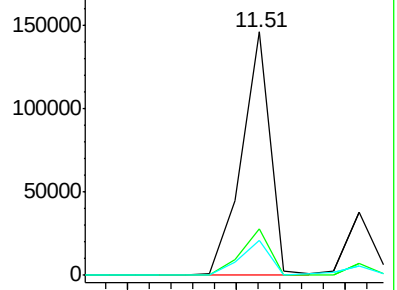
179 14.5 13.1 19.7



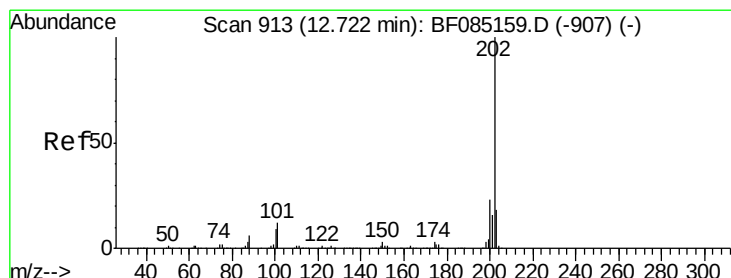
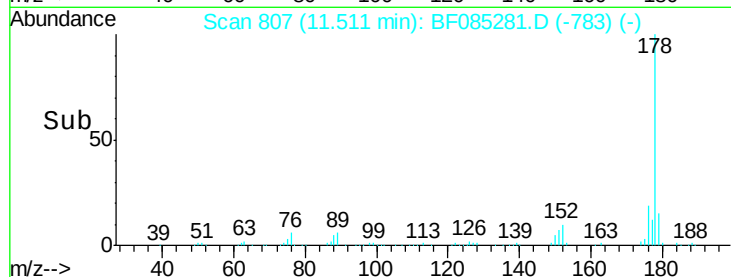
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#74

Fluoranthene

Concen: 8.11 ng

RT: 12.70 min Scan# 911

Delta R.T. -0.02 min

Lab File: BF085281.D

Acq: 9 Mar 2016 3:15

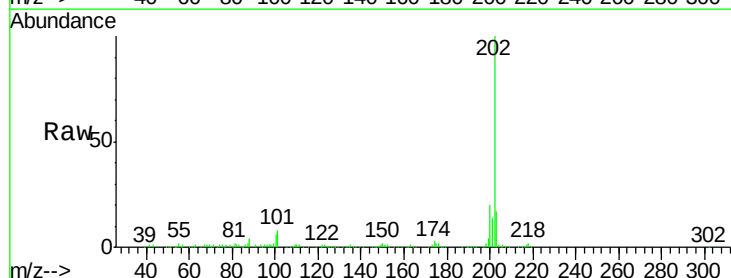
Tgt Ion:202 Resp: 206495

Ion Ratio Lower Upper

202 100

101 8.1 0.0 31.8

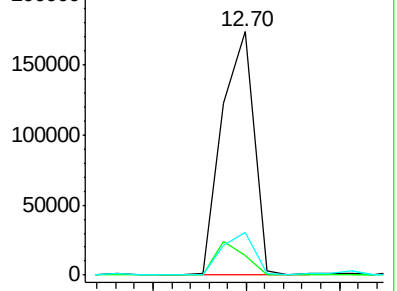
203 17.4 0.0 38.4



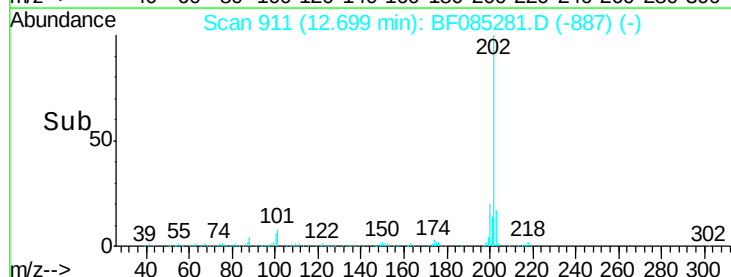
Abundance Ion 202.00 (201.70 to 202.70): E

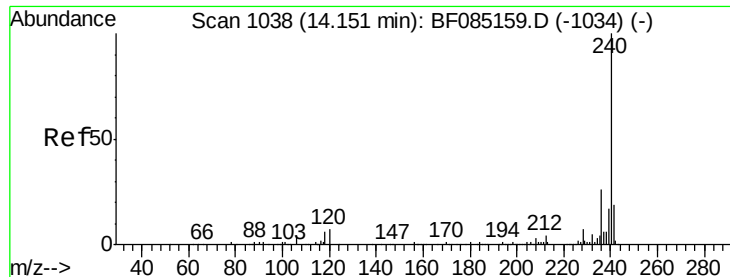
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.12 min Scan# 1035

Delta R.T. -0.03 min

Lab File: BF085281.D

Acq: 9 Mar 2016 3:15

Instrument :

BNA_F

ClientSampleId :

SB-40COMP(0.5-1.0)

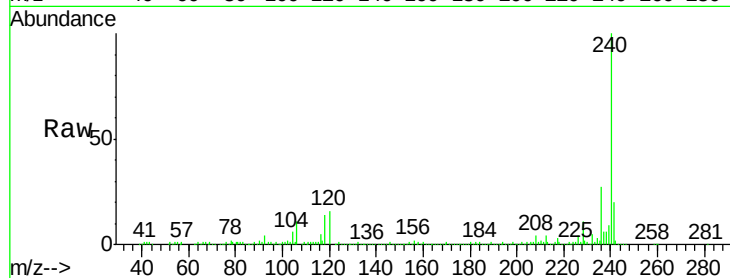
Tgt Ion:240 Resp: 273596

Ion Ratio Lower Upper

240 100

120 16.0 5.3 7.9#

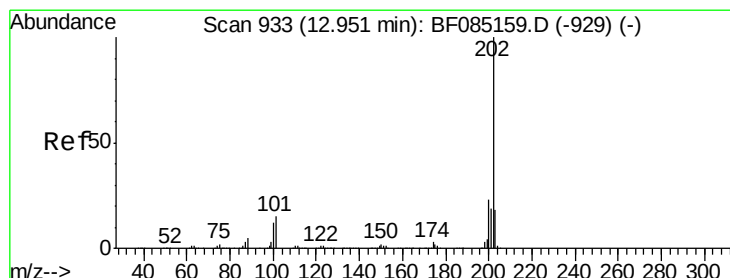
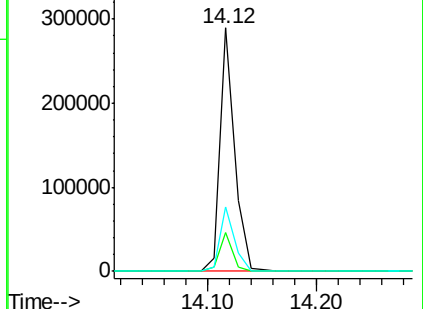
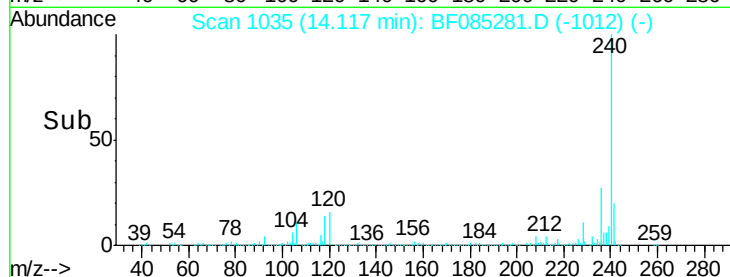
236 26.5 20.7 31.1



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: 8.77 ng

RT: 12.93 min Scan# 931

Delta R.T. -0.02 min

Lab File: BF085281.D

Acq: 9 Mar 2016 3:15

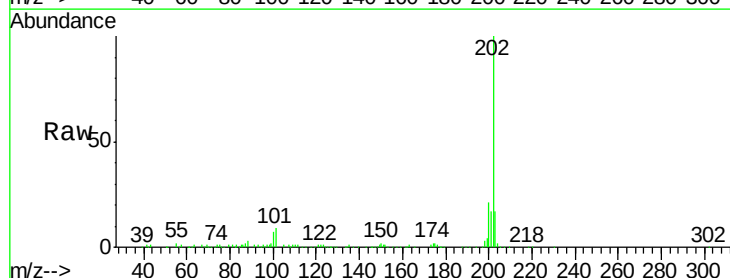
Tgt Ion:202 Resp: 180505

Ion Ratio Lower Upper

202 100

200 20.6 18.2 27.4

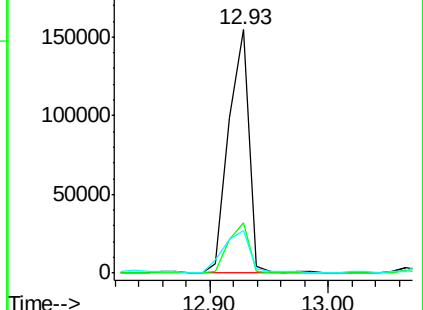
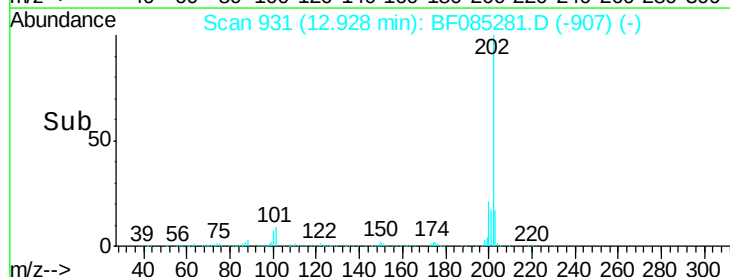
203 17.4 14.7 22.1

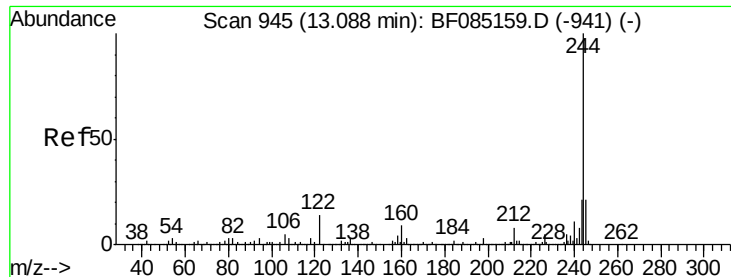


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 68.09 ng

RT: 13.07 min Scan# 943

Delta R.T. -0.02 min

Lab File: BF085281.D

Acq: 9 Mar 2016 3:15

Instrument :

BNA_F

ClientSampleId :

SB-40COMP(0.5-1.0)

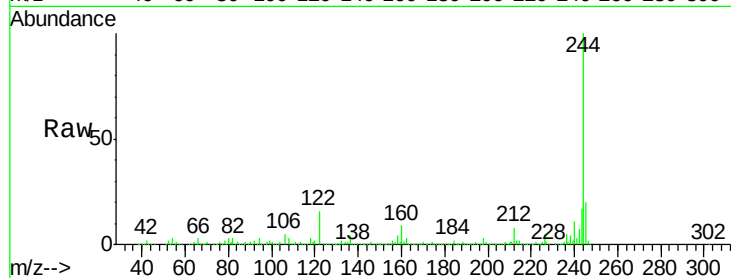
Tgt Ion:244 Resp: 802475

Ion Ratio Lower Upper

244 100

212 8.0 6.4 9.6

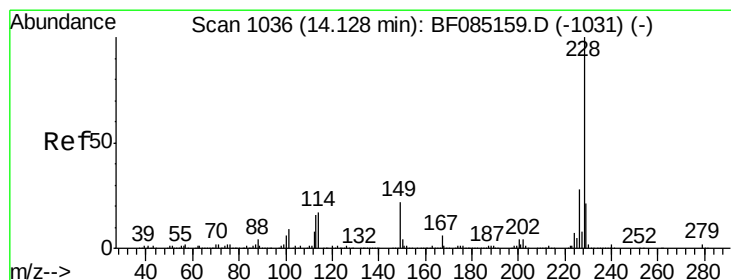
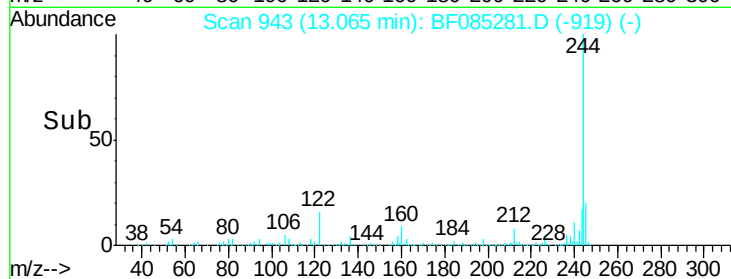
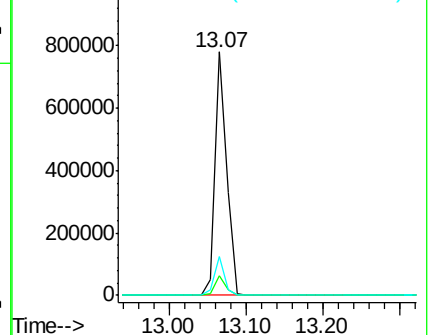
122 15.9 11.4 17.2



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



#80

Benzo(a)anthracene

Concen: 5.29 ng

RT: 14.11 min Scan# 1034

Delta R.T. -0.02 min

Lab File: BF085281.D

Acq: 9 Mar 2016 3:15

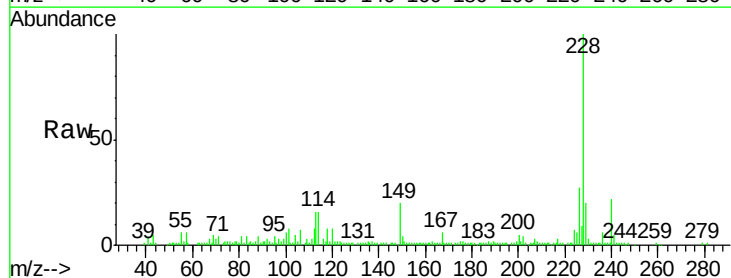
Tgt Ion:228 Resp: 86679

Ion Ratio Lower Upper

228 100

226 27.1 22.8 34.2

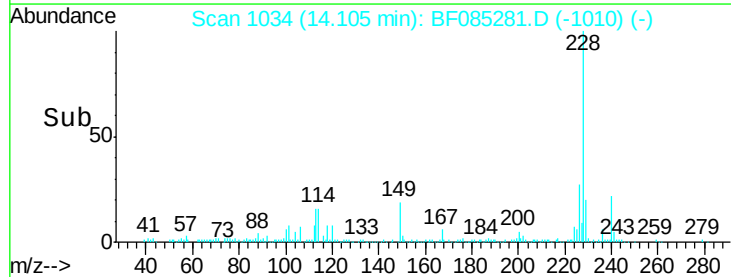
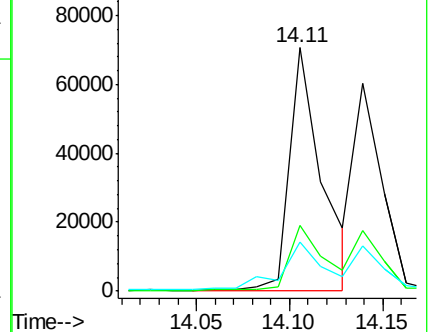
229 20.3 16.6 24.8

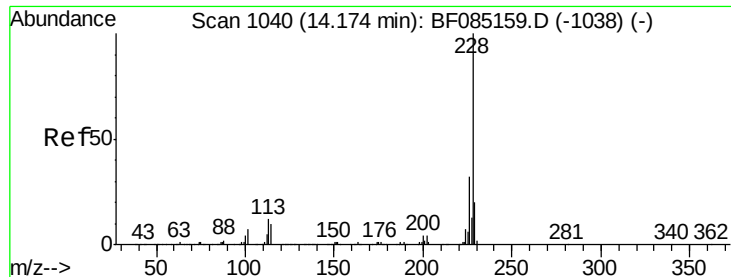


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 5.73 ng

RT: 14.11 min Scan# 1034

Delta R.T. -0.07 min

Lab File: BF085281.D

Acq: 9 Mar 2016 3:15

Instrument :

BNA_F

ClientSampleId :

SB-40COMP(0.5-1.0)

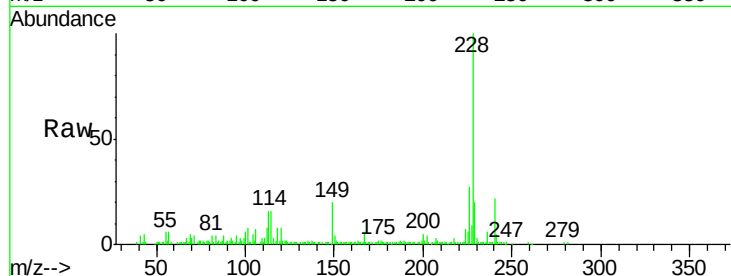
Tgt Ion:228 Resp: 86679

Ion Ratio Lower Upper

228 100

226 27.1 25.2 37.8

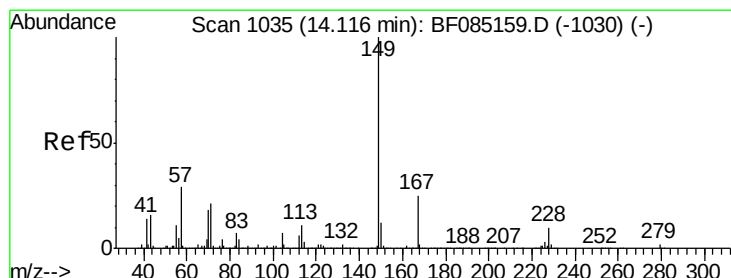
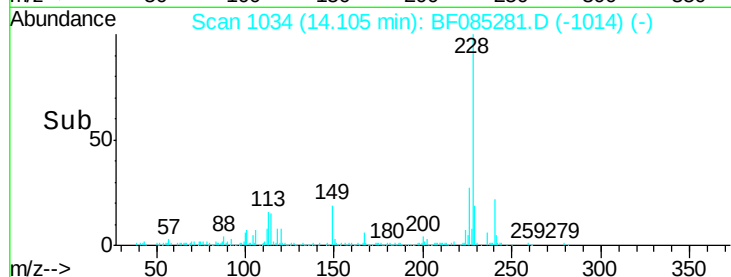
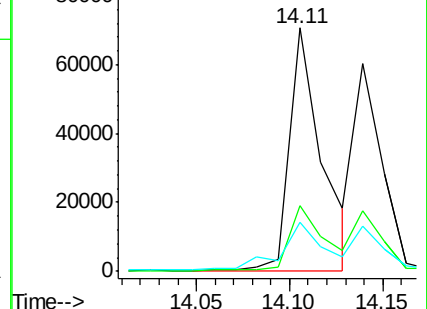
229 20.3 16.0 24.0



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: 2.06 ng

RT: 14.09 min Scan# 1033

Delta R.T. -0.02 min

Lab File: BF085281.D

Acq: 9 Mar 2016 3:15

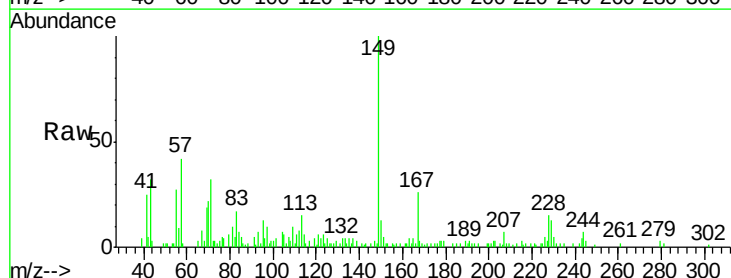
Tgt Ion:149 Resp: 25355

Ion Ratio Lower Upper

149 100

167 25.5 20.3 30.5

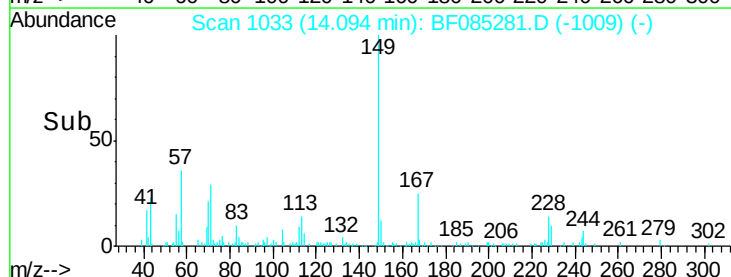
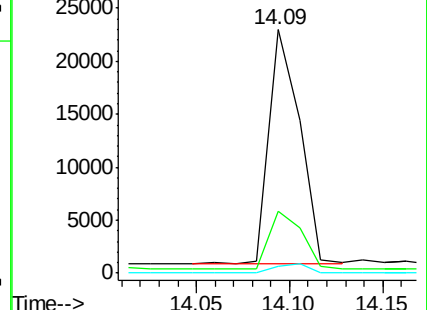
279 2.6 1.9 2.9

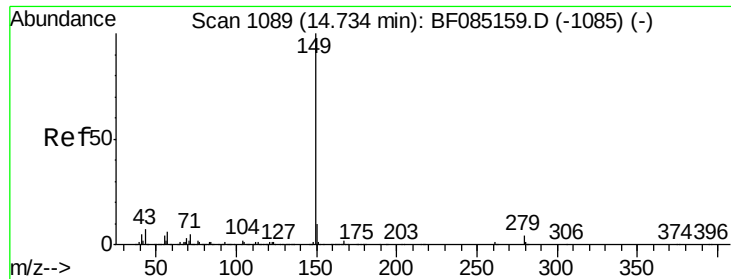


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Di-n-octyl phthalate

Concen: 3.96 ng

RT: 14.75 min Scan# 1090

Delta R.T. 0.01 min

Lab File: BF085281.D

Acq: 9 Mar 2016 3:15

Instrument :

BNA_F

ClientSampleId :

SB-40COMP(0.5-1.0)

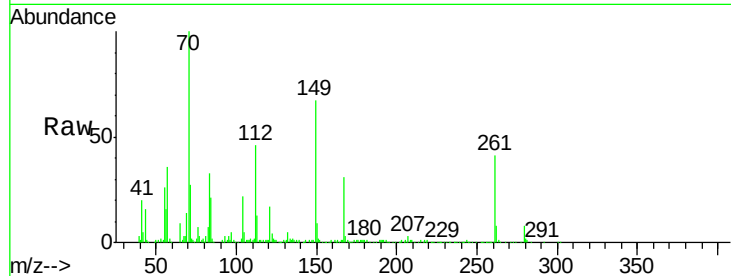
Tgt Ion:149 Resp: 74218

Ion Ratio Lower Upper

149 100

167 43.8 1.1 1.7#

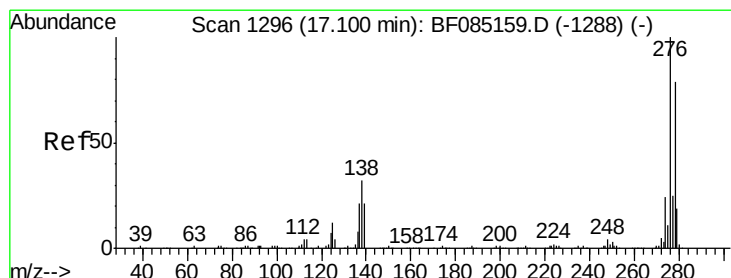
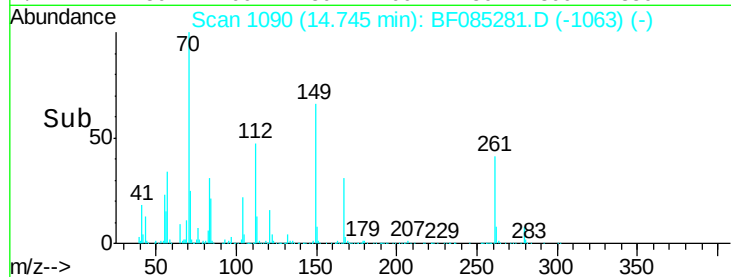
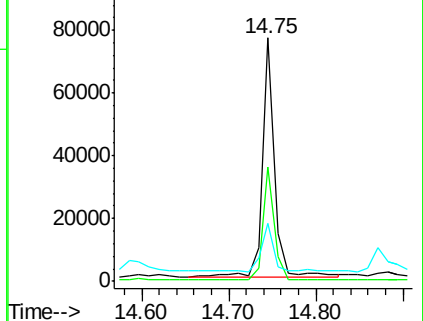
43 20.1 7.8 11.8#



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.95 ng

RT: 17.04 min Scan# 1291

Delta R.T. -0.06 min

Lab File: BF085281.D

Acq: 9 Mar 2016 3:15

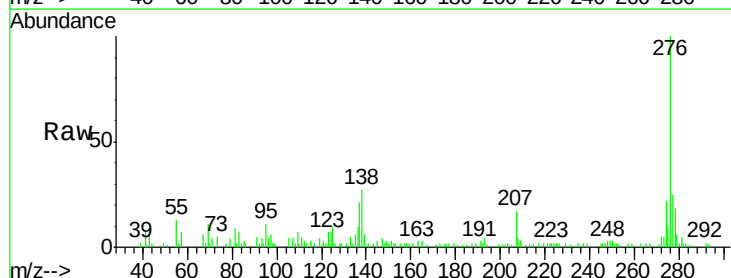
Tgt Ion:276 Resp: 46686

Ion Ratio Lower Upper

276 100

138 28.2 26.4 39.6

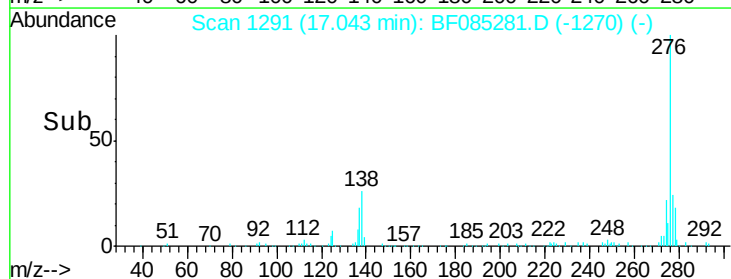
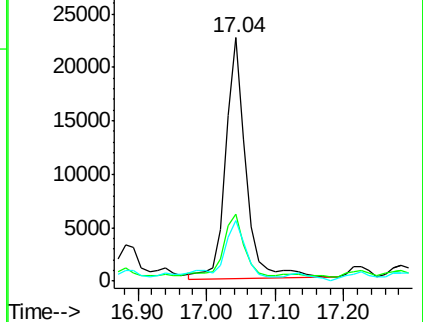
277 29.8 20.2 30.2

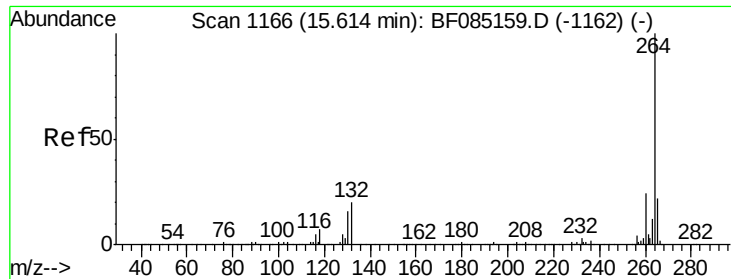


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

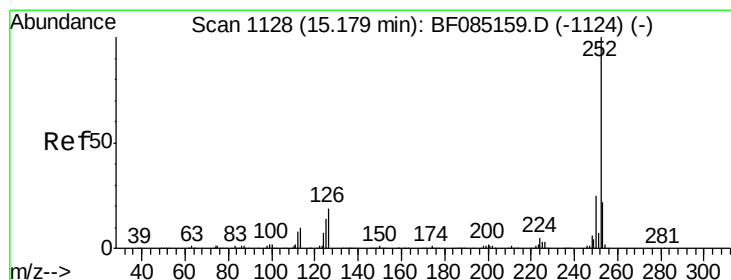
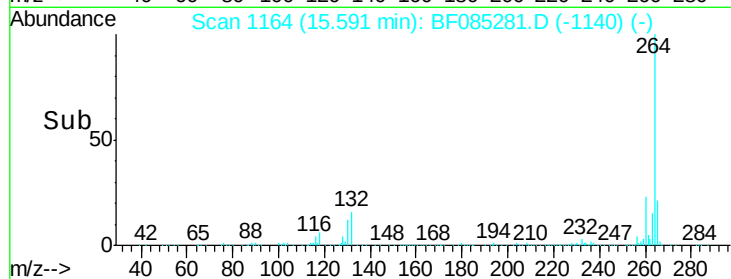
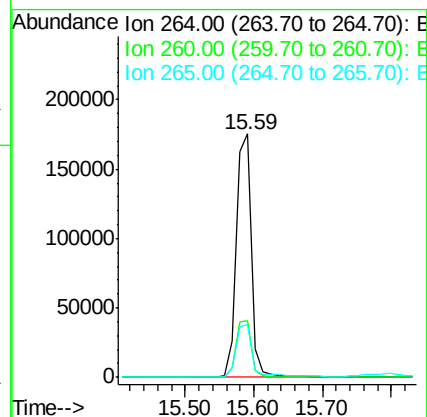
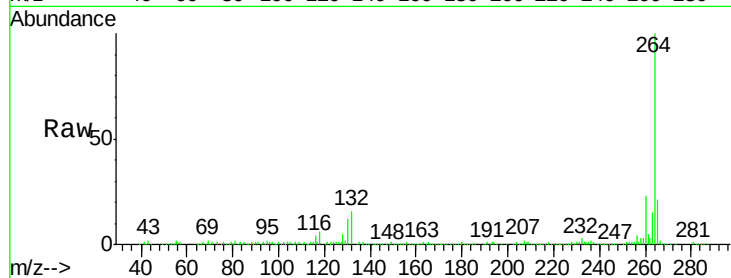




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.59 min Scan# 1164
Delta R.T. -0.02 min
Lab File: BF085281.D
Acq: 9 Mar 2016 3:15

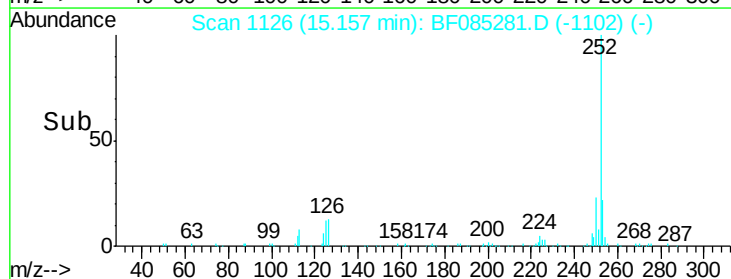
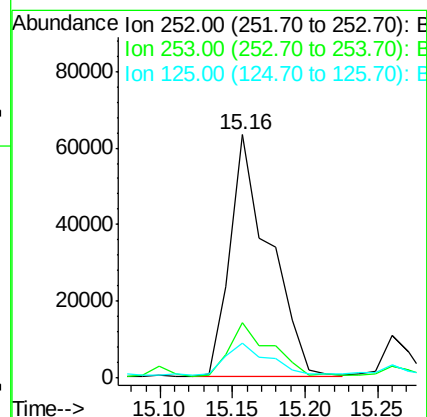
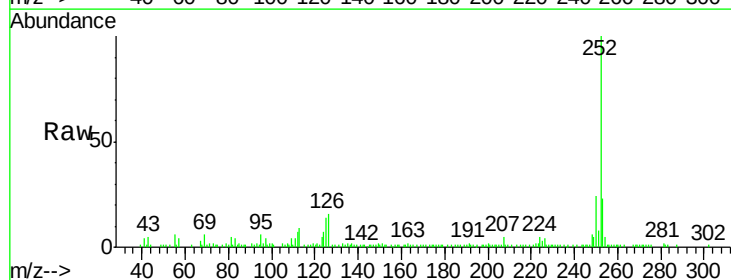
Instrument :
BNA_F
ClientSampleId :
SB-40COMP(0.5-1.0)

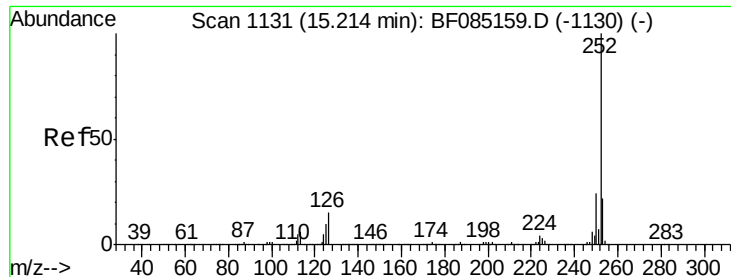
Tgt Ion: 264 Resp: 274168
Ion Ratio Lower Upper
264 100
260 23.4 19.2 28.8
265 21.5 17.3 25.9



#87
Benzo(b)fluoranthene
Concen: 6.57 ng
RT: 15.16 min Scan# 1126
Delta R.T. -0.02 min
Lab File: BF085281.D
Acq: 9 Mar 2016 3:15

Tgt Ion: 252 Resp: 120137
Ion Ratio Lower Upper
252 100
253 22.9 17.8 26.6
125 14.4 11.3 16.9





#88

Benzo(k)fluoranthene

Concen: 8.15 ng

RT: 15.16 min Scan# 1126

Delta R.T. -0.06 min

Lab File: BF085281.D

Acq: 9 Mar 2016 3:15

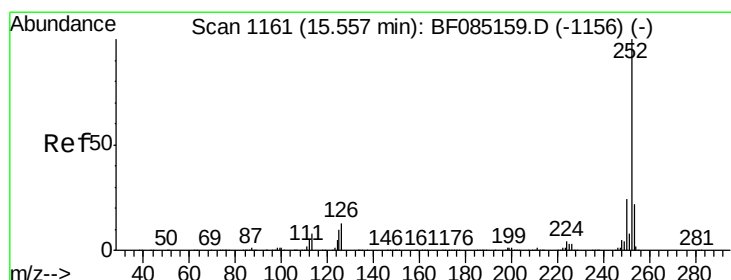
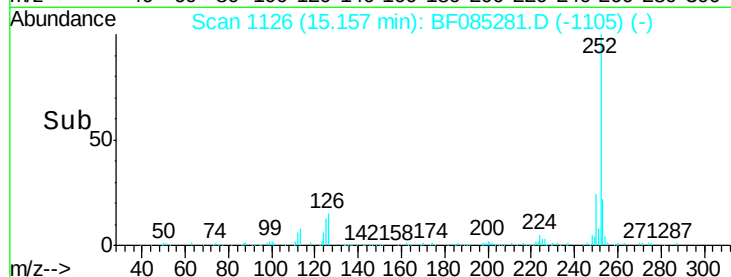
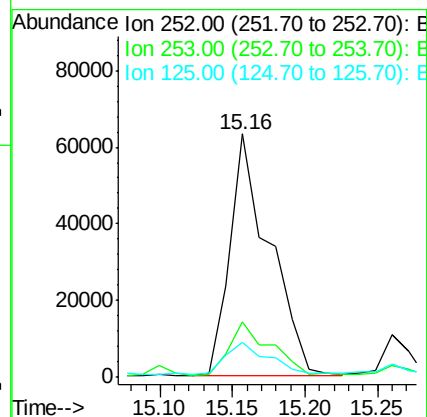
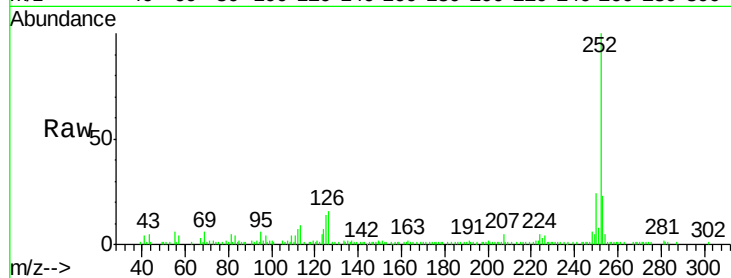
Instrument :

BNA_F

ClientSampleId :

SB-40COMP(0.5-1.0)

Tgt Ion:	252	Resp:	120137
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.8	26.6
125	14.4	10.4	15.6



#89

Benzo(a)pyrene

Concen: 4.28 ng

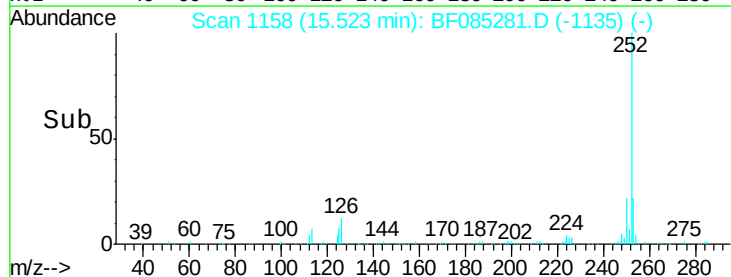
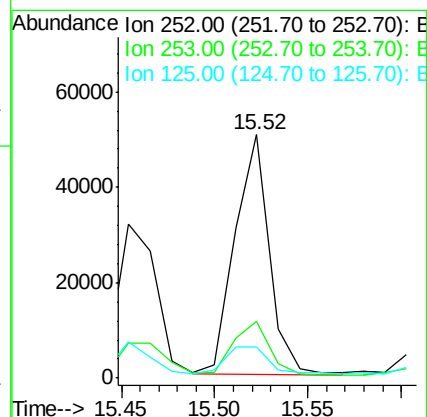
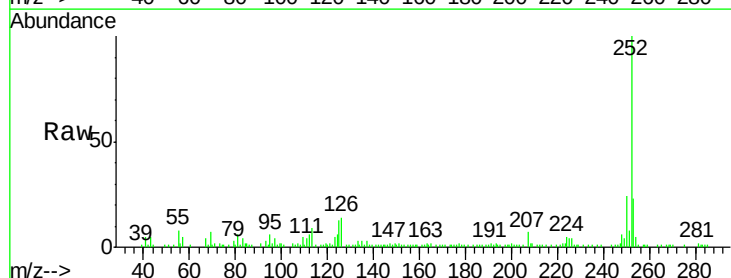
RT: 15.52 min Scan# 1158

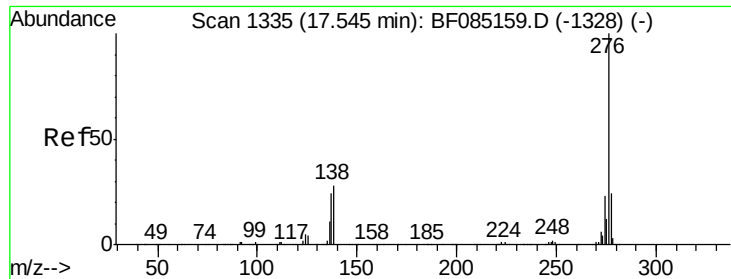
Delta R.T. -0.03 min

Lab File: BF085281.D

Acq: 9 Mar 2016 3:15

Tgt Ion:	252	Resp:	64779
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.4	26.0
125	12.7	8.2	12.4#





#91
 Benzo(g,h,i)perylene
 Concen: 3.63 ng
 RT: 17.48 min Scan# 1329
 Delta R.T. -0.07 min
 Lab File: BF085281.D
 Acq: 9 Mar 2016 3:15

Instrument :
 BNA_F
 ClientSampleId :
 SB-40COMP(0.5-1.0)

Tgt Ion:	276	Resp:	47155
Ion	Ratio	Lower	Upper
276	100		
277	26.0	19.0	28.4
138	30.3	22.5	33.7

