

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030816\
 Data File : BF085280.D
 Acq On : 9 Mar 2016 2:47
 Operator : UM/SJ
 Sample : H1703-04
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-39COMP(0.5-2.0)

Quant Time: Mar 09 03:14:42 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	6.96	152	163538	20.00	ng	-0.02
21) Naphthalene-d8	8.24	136	609718	20.00	ng	-0.02
38) Acenaphthene-d10	10.00	164	271511	20.00	ng	-0.02
63) Phenanthrene-d10	11.49	188	486057	20.00	ng	-0.02
75) Chrysene-d12	14.12	240	307823	20.00	ng	-0.03
86) Perylene-d12	15.58	264	285647	20.00	ng	-0.03

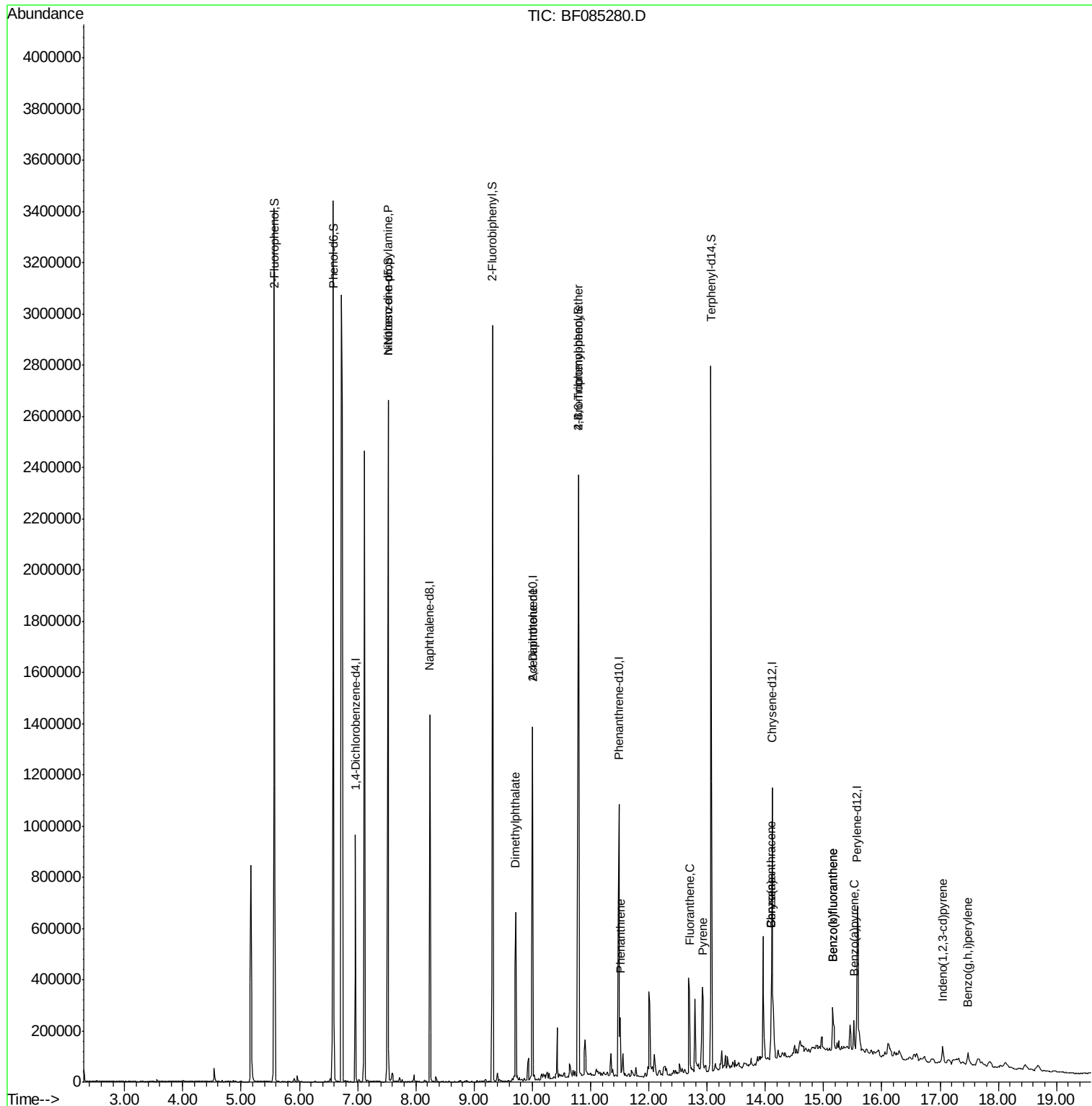
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.57	112	1122443	115.13	ng	-0.01
7) Phenol-d6	6.58	99	1390705	108.88	ng	-0.02
23) Nitrobenzene-d5	7.52	82	949229	83.31	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	315284	135.71	ng	-0.02
44) 2-Fluorobiphenyl	9.32	172	1302802	72.97	ng	-0.03
78) Terphenyl-d14	13.07	244	931742	70.27	ng	-0.02

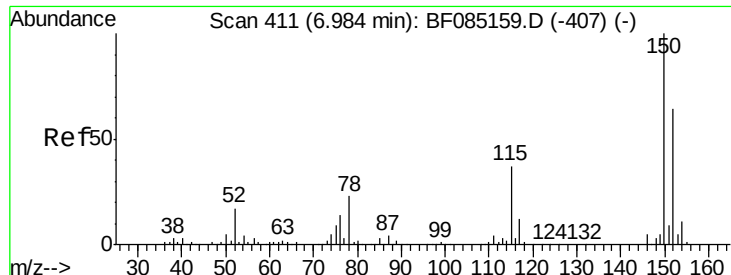
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.58	77	2266	Below Cal		# 2
19) n-Nitroso-di-n-propylamine	7.52	70	128571	15.44	ng	# 78
49) Dimethylphthalate	9.72	163	351531	16.87	ng	99
56) 2,4-Dinitrotoluene	10.00	165	34598	6.06	ng	# 22
66) 4-Bromophenyl-phenylether	10.79	248	22173	4.70	ng	# 1
70) Phenanthrene	11.51	178	107279	4.21	ng	95
74) Fluoranthene	12.70	202	202644	7.93	ng	93
77) Pyrene	12.93	202	184046	7.94	ng	96
80) Benzo(a)anthracene	14.11	228	96179	5.22	ng	100
82) Chrysene	14.11	228	96179	5.65	ng	96
85) Indeno(1,2,3-cd)pyrene	17.04	276	44749	3.37	ng	# 90
87) Benzo(b)fluoranthene	15.16	252	123731	6.50	ng	99
88) Benzo(k)fluoranthene	15.16	252	123731	8.06	ng	99
89) Benzo(a)pyrene	15.52	252	67441	4.27	ng	# 97
91) Benzo(g,h,i)perylene	17.48	276	44949	3.32	ng	96

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

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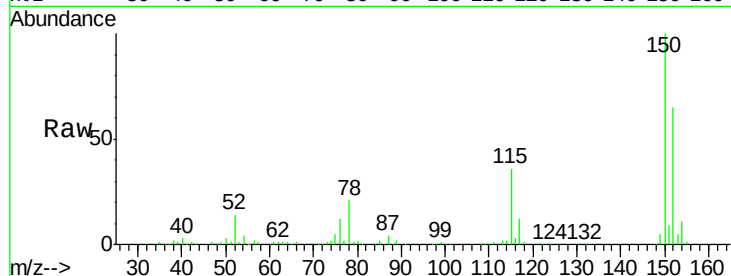




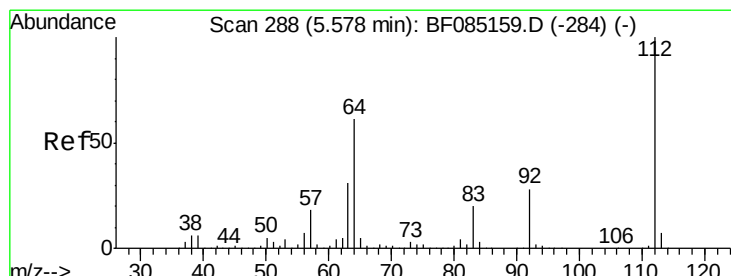
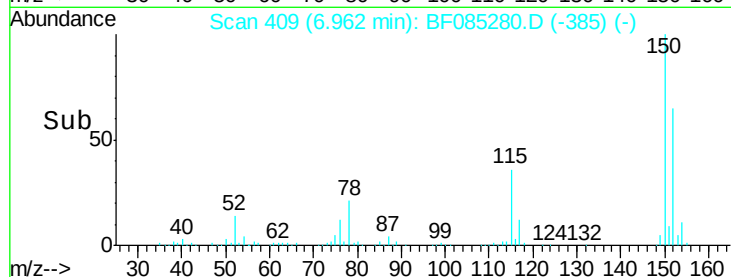
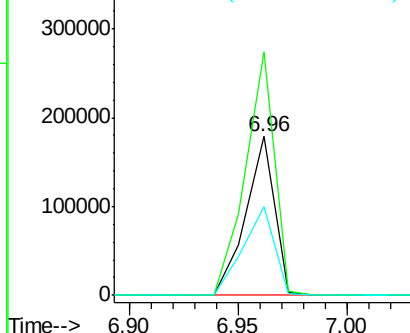
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.96 min Scan# 409
 Delta R.T. -0.02 min
 Lab File: BF085280.D
 Acq: 9 Mar 2016 2:47

Instrument :
 BNA_F
 ClientSampleId :
 SB-39COMP(0.5-2.0)

Tgt Ion:152 Resp: 163538
 Ion Ratio Lower Upper
 152 100
 150 153.4 124.6 186.8
 115 55.8 46.6 70.0

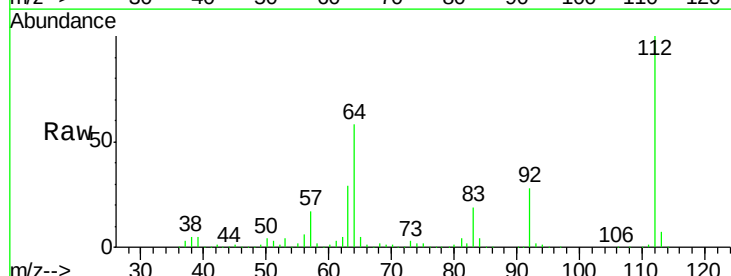


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

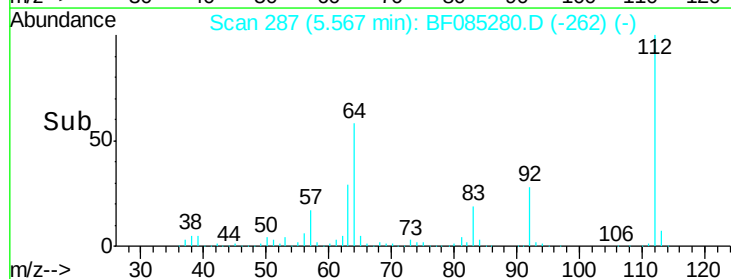
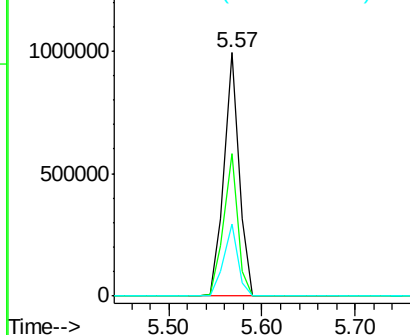


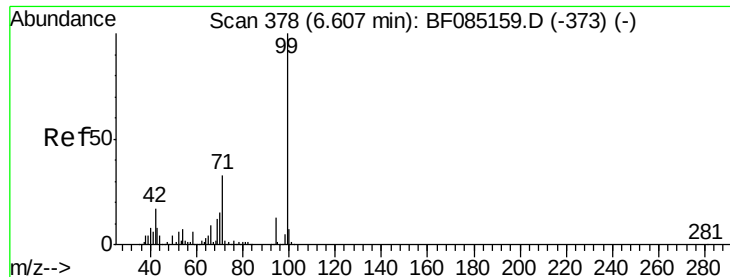
#5
 2-Fluorophenol
 Concen: 115.13 ng
 RT: 5.57 min Scan# 287
 Delta R.T. -0.01 min
 Lab File: BF085280.D
 Acq: 9 Mar 2016 2:47

Tgt Ion:112 Resp: 1122443
 Ion Ratio Lower Upper
 112 100
 64 58.3 49.0 73.4
 63 29.5 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: 108.88 ng

RT: 6.58 min Scan# 376

Delta R.T. -0.02 min

Lab File: BF085280.D

Acq: 9 Mar 2016 2:47

Instrument :

BNA_F

ClientSampleId :

SB-39COMP(0.5-2.0)

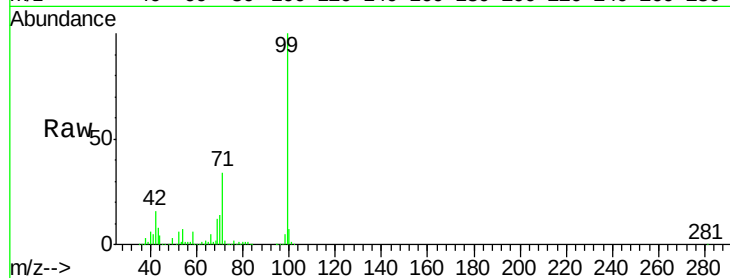
Tgt Ion: 99 Resp: 1390705

Ion Ratio Lower Upper

99 100

42 15.9 13.6 20.4

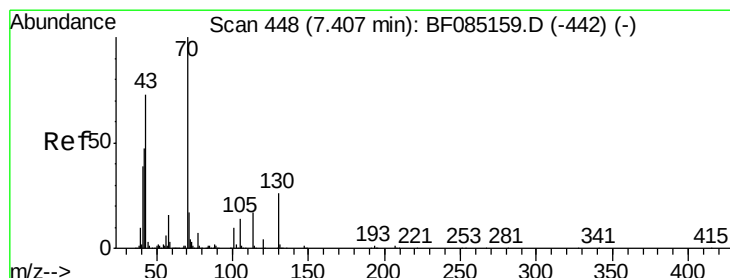
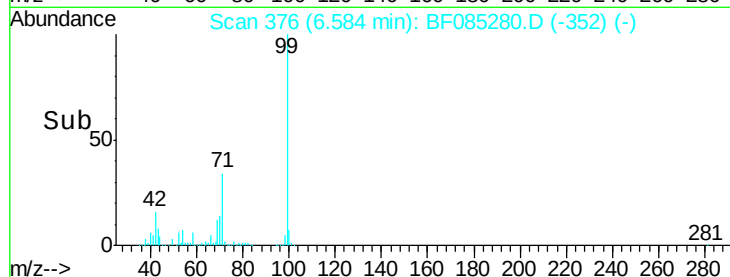
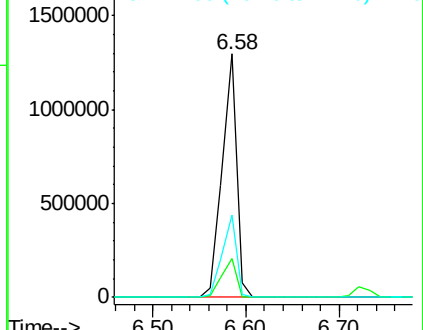
71 33.7 26.7 40.1



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



#19

n-Nitroso-di-n-propylamine

Concen: 15.44 ng

RT: 7.52 min Scan# 458

Delta R.T. 0.11 min

Lab File: BF085280.D

Acq: 9 Mar 2016 2:47

Tgt Ion: 70 Resp: 128571

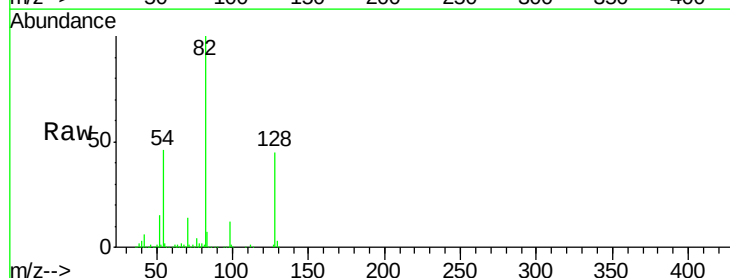
Ion Ratio Lower Upper

70 100

42 41.7 37.7 56.5

101 0.0 8.2 12.4#

130 2.1 20.5 30.7#

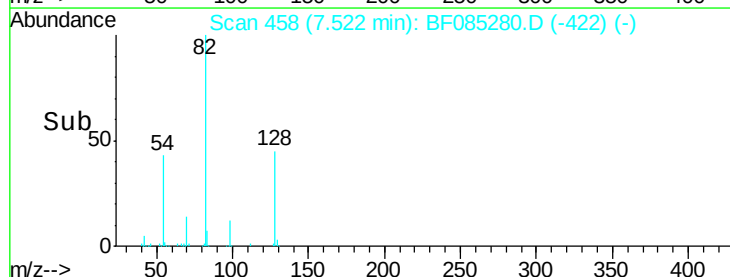
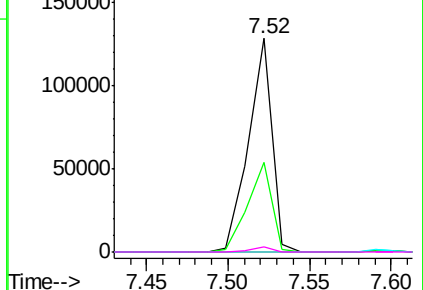


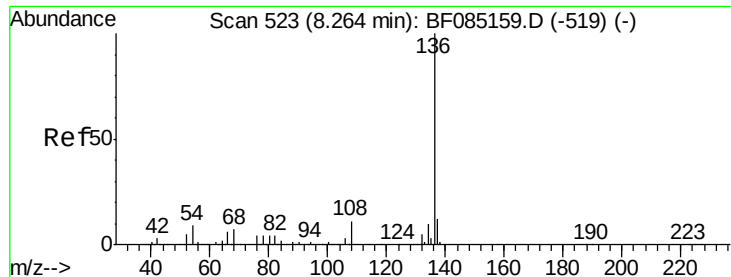
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: BF085280.D

Acq: 9 Mar 2016 2:47

Instrument :

BNA_F

ClientSampleId :

SB-39COMP(0.5-2.0)

Tgt Ion:136 Resp: 609718

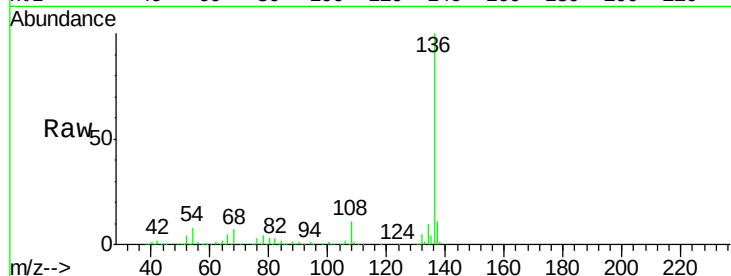
Ion Ratio Lower Upper

136 100

137 11.2 9.3 13.9

54 7.7 7.4 11.2

68 6.5 6.0 9.0

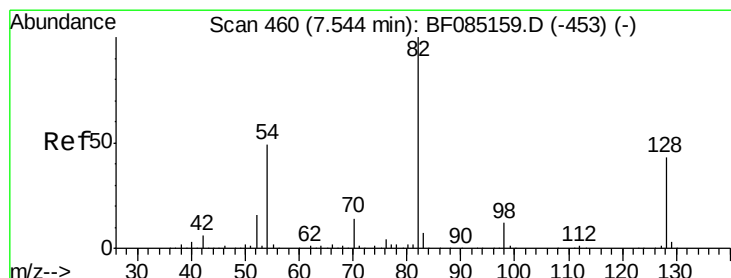
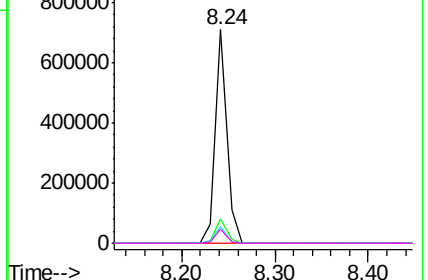
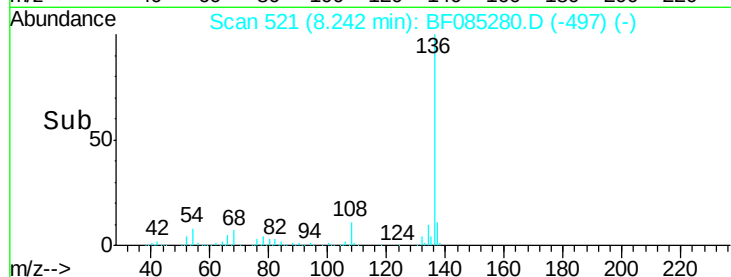


Abundance Ion 136.00 (135.70 to 136.70): E

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: 83.31 ng

RT: 7.52 min Scan# 458

Delta R.T. -0.02 min

Lab File: BF085280.D

Acq: 9 Mar 2016 2:47

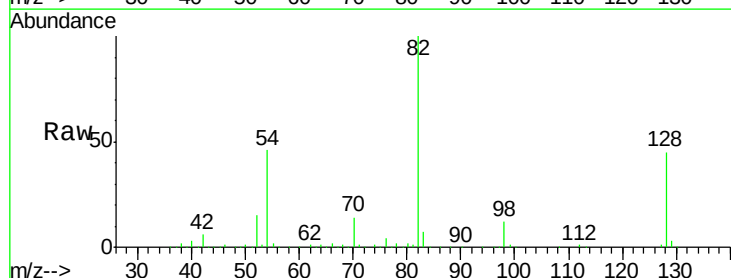
Tgt Ion: 82 Resp: 949229

Ion Ratio Lower Upper

82 100

128 45.2 34.5 51.7

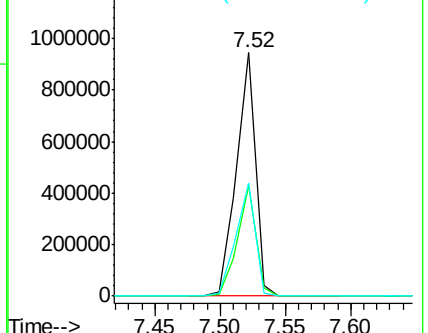
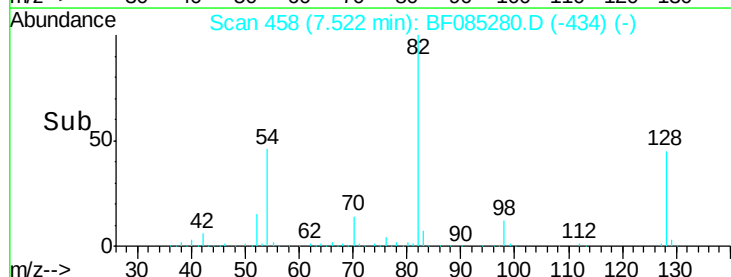
54 46.3 39.3 58.9

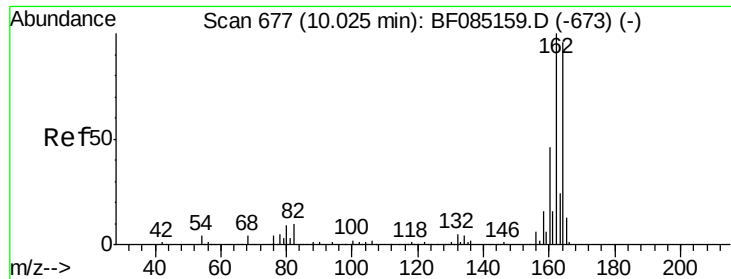


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 10.00 min Scan# 675

Delta R.T. -0.02 min

Lab File: BF085280.D

Acq: 9 Mar 2016 2:47

Instrument :

BNA_F

ClientSampleId :

SB-39COMP(0.5-2.0)

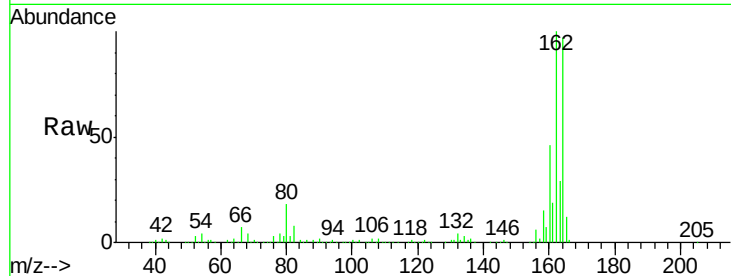
Tgt Ion:164 Resp: 271511

Ion Ratio Lower Upper

164 100

162 103.5 83.3 124.9

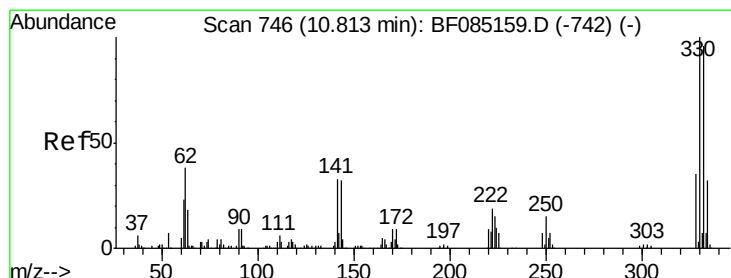
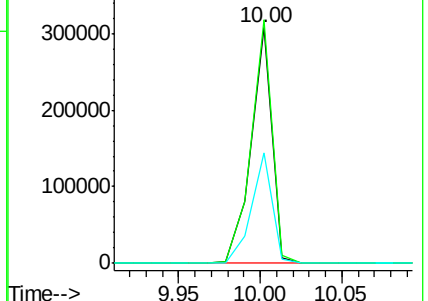
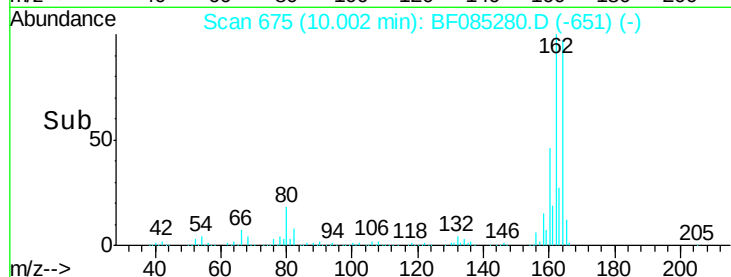
160 47.1 37.9 56.9



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: 135.71 ng

RT: 10.79 min Scan# 744

Delta R.T. -0.02 min

Lab File: BF085280.D

Acq: 9 Mar 2016 2:47

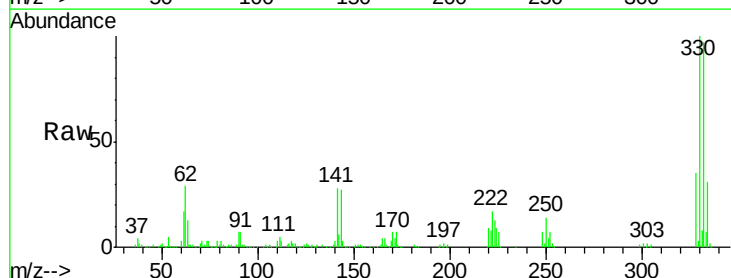
Tgt Ion:330 Resp: 315284

Ion Ratio Lower Upper

330 100

332 97.4 77.1 115.7

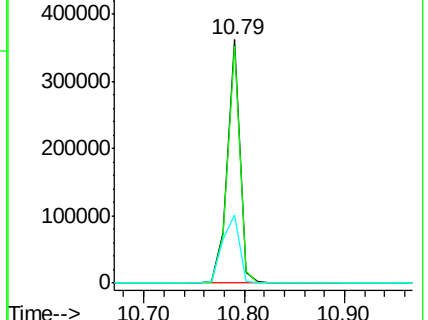
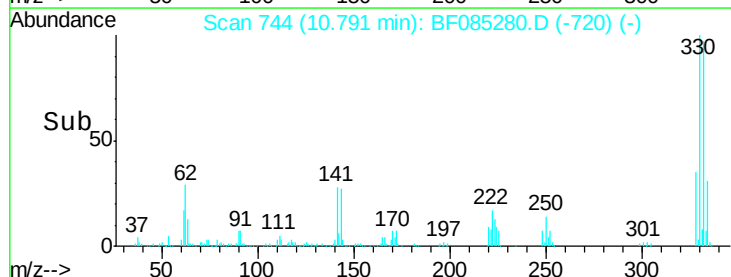
141 38.0 35.0 52.6

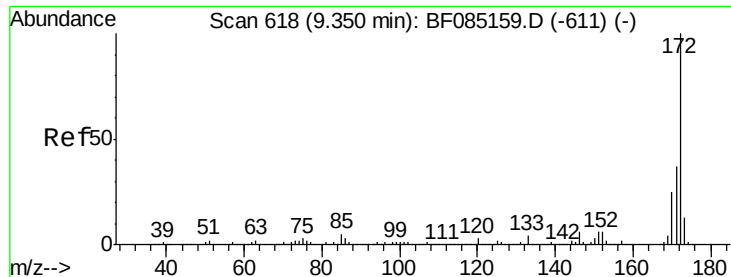


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

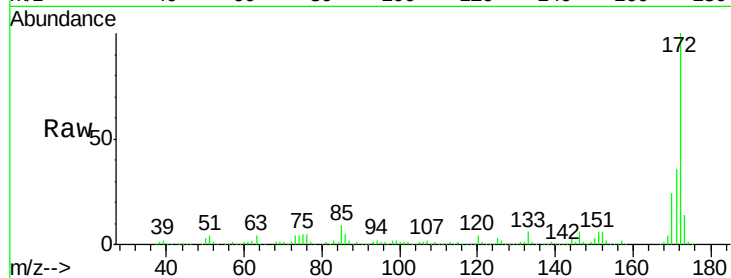




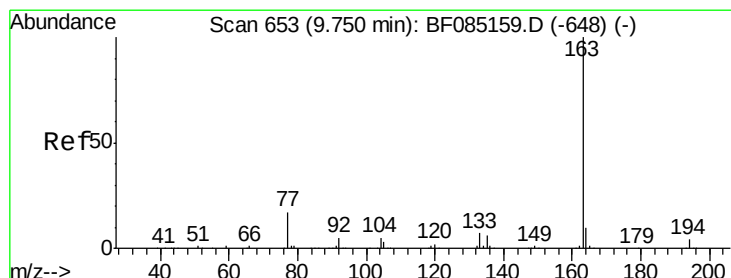
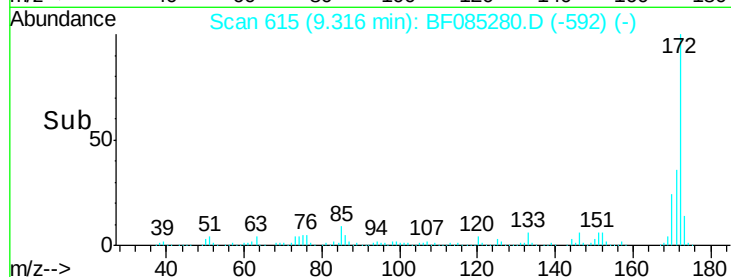
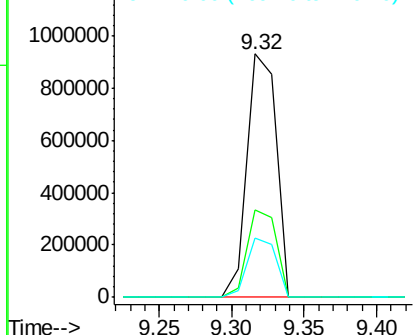
#44
2-Fluorobiphenyl
Concen: 72.97 ng
RT: 9.32 min Scan# 615
Delta R.T. -0.03 min
Lab File: BF085280.D
Acq: 9 Mar 2016 2:47

Instrument :
BNA_F
ClientSampleId :
SB-39COMP(0.5-2.0)

Tgt Ion:172 Resp: 1302802
Ion Ratio Lower Upper
172 100
171 36.0 29.3 43.9
170 24.5 20.0 30.0

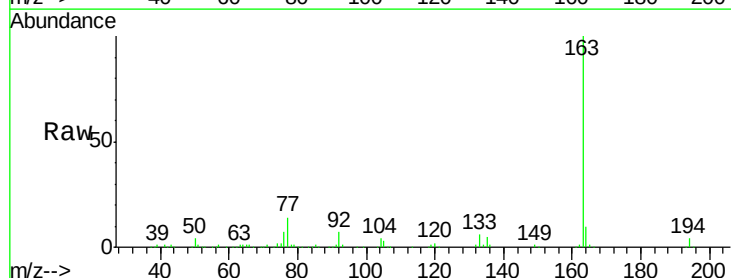


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

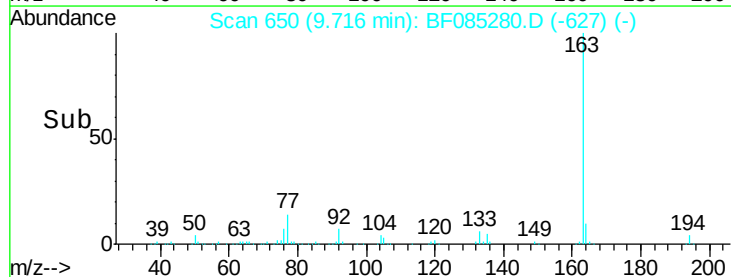
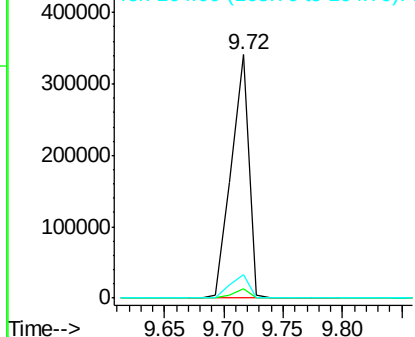


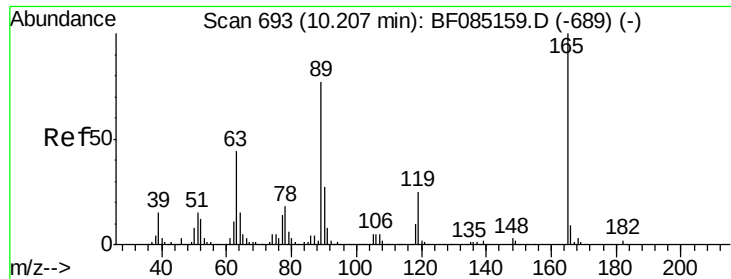
#49
Dimethylphthalate
Concen: 16.87 ng
RT: 9.72 min Scan# 650
Delta R.T. -0.03 min
Lab File: BF085280.D
Acq: 9 Mar 2016 2:47

Tgt Ion:163 Resp: 351531
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

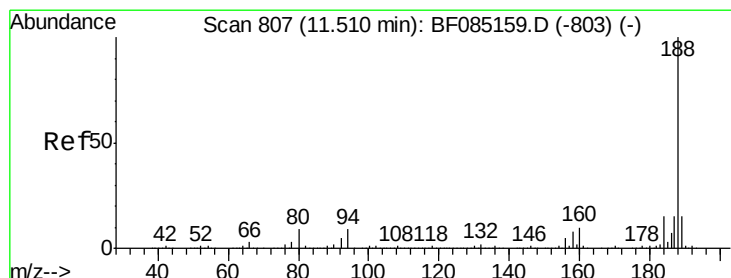
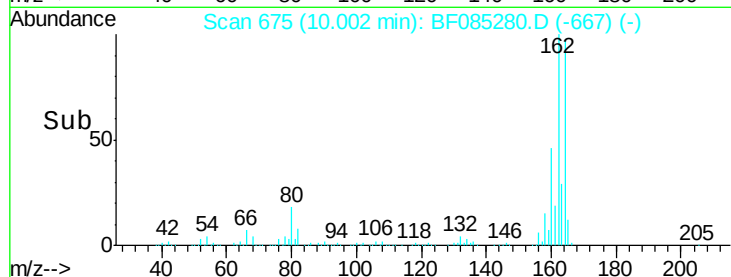
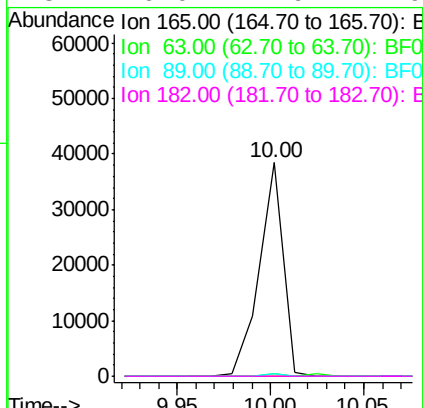
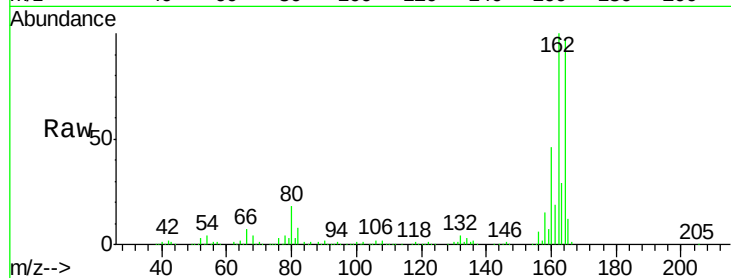




#56
 2,4-Dinitrotoluene
 Concen: 6.06 ng
 RT: 10.00 min Scan# 675
 Delta R.T. -0.21 min
 Lab File: BF085280.D
 Acq: 9 Mar 2016 2:47

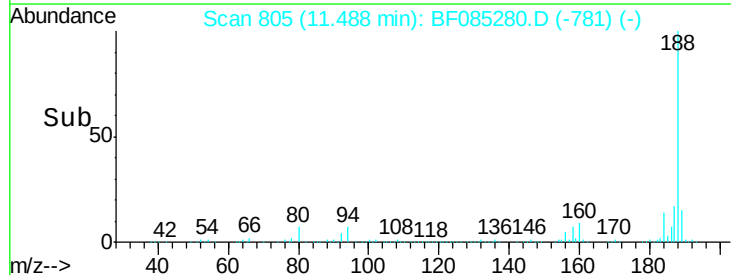
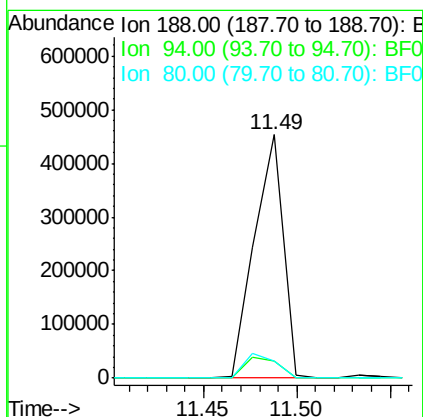
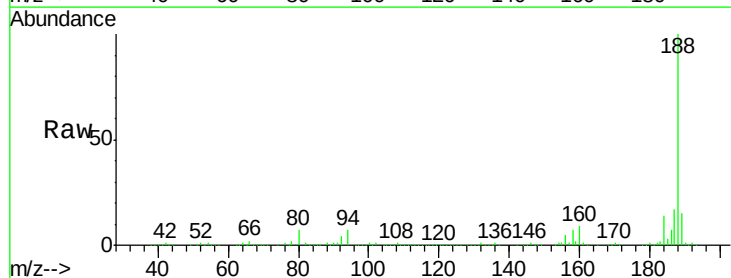
Instrument :
 BNA_F
 ClientSampleId :
 SB-39COMP(0.5-2.0)

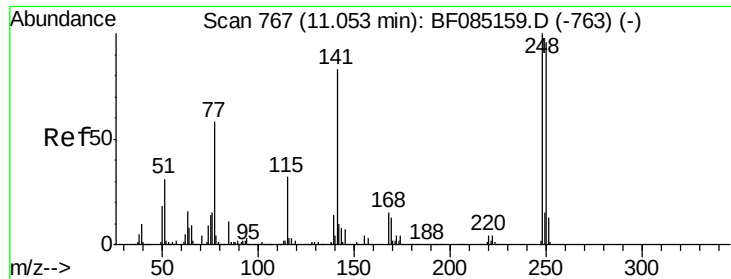
Tgt Ion:	165	Resp:	34598
Ion	Ratio	Lower	Upper
165	100		
63	1.2	35.4	53.0#
89	1.5	61.9	92.9#
182	0.0	1.9	2.9#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.49 min Scan# 805
 Delta R.T. -0.02 min
 Lab File: BF085280.D
 Acq: 9 Mar 2016 2:47

Tgt Ion:	188	Resp:	486057
Ion	Ratio	Lower	Upper
188	100		
94	7.0	7.0	10.6#
80	6.9	7.4	11.0#

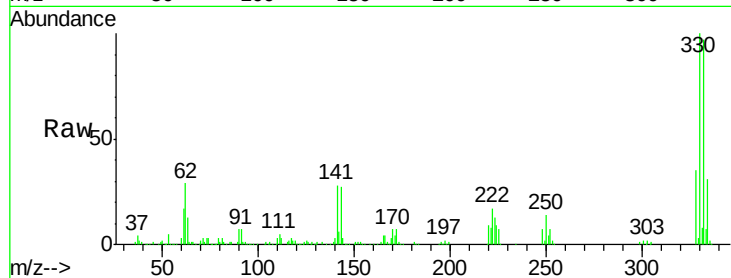




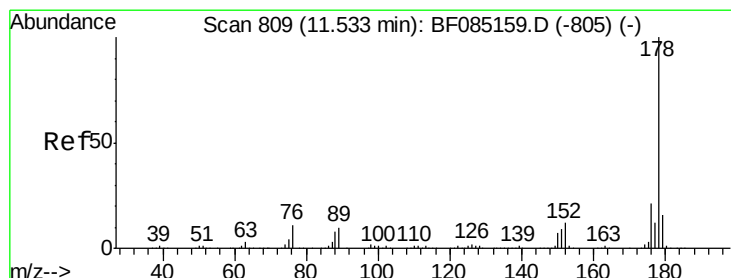
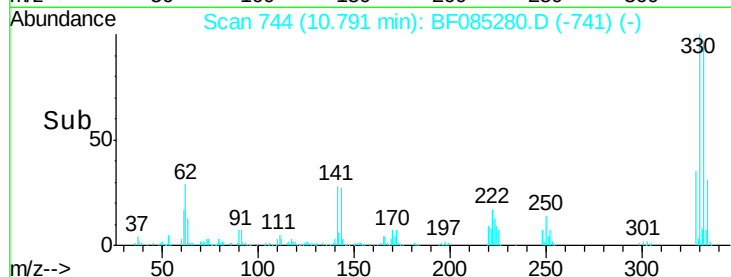
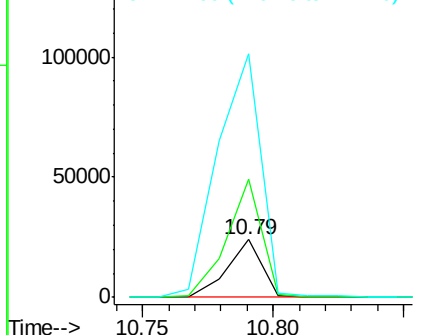
#66
 4-Bromophenyl-phenylether
 Concen: 4.70 ng
 RT: 10.79 min Scan# 744
 Delta R.T. -0.26 min
 Lab File: BF085280.D
 Acq: 9 Mar 2016 2:47

Instrument :
 BNA_F
 ClientSampleId :
 SB-39COMP(0.5-2.0)

Tgt Ion: 248 Resp: 22173
 Ion Ratio Lower Upper
 248 100
 250 204.3 77.1 115.7#
 141 421.5 66.2 99.2#

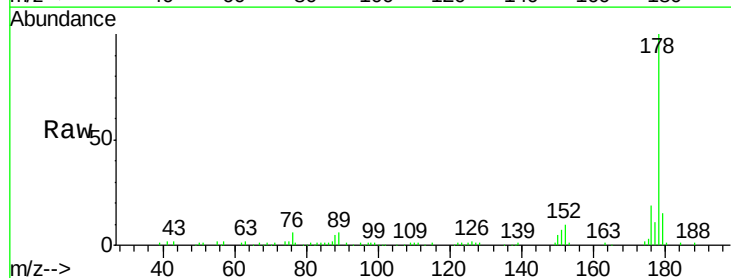


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

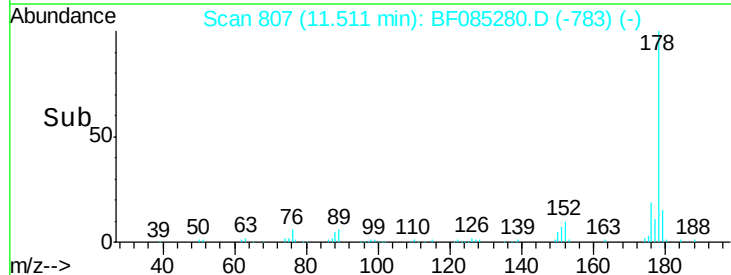
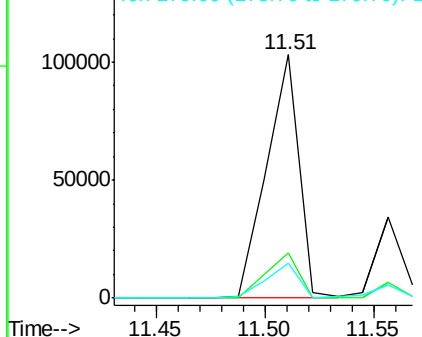


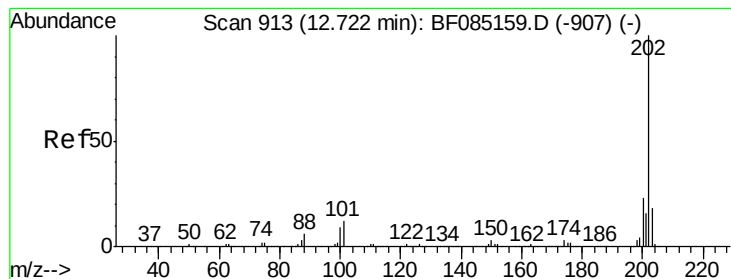
#70
 Phenanthrene
 Concen: 4.21 ng
 RT: 11.51 min Scan# 807
 Delta R.T. -0.02 min
 Lab File: BF085280.D
 Acq: 9 Mar 2016 2:47

Tgt Ion: 178 Resp: 107279
 Ion Ratio Lower Upper
 178 100
 176 18.5 16.8 25.2
 179 14.6 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: 7.93 ng

RT: 12.70 min Scan# 911

Delta R.T. -0.02 min

Lab File: BF085280.D

Acq: 9 Mar 2016 2:47

Instrument :

BNA_F

ClientSampleId :

SB-39COMP(0.5-2.0)

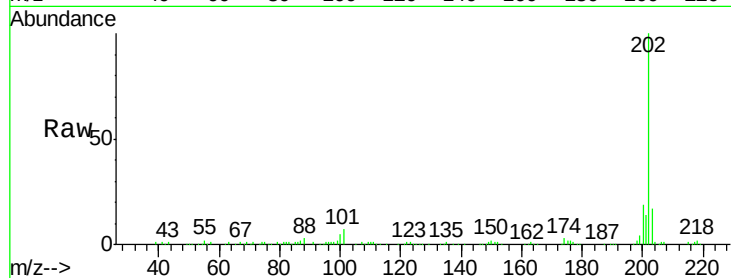
Tgt Ion: 202 Resp: 202644

Ion Ratio Lower Upper

202 100

101 7.3 0.0 31.8

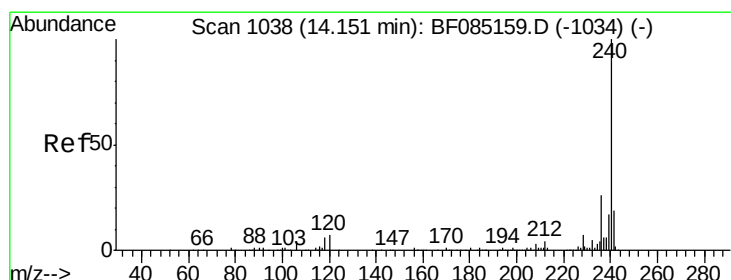
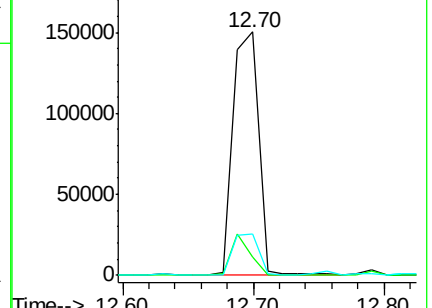
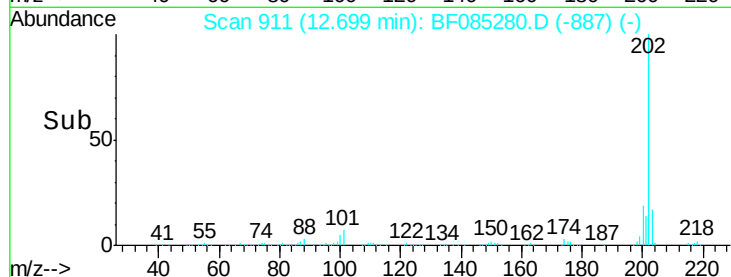
203 16.8 0.0 38.4



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: BF085280.D

Acq: 9 Mar 2016 2:47

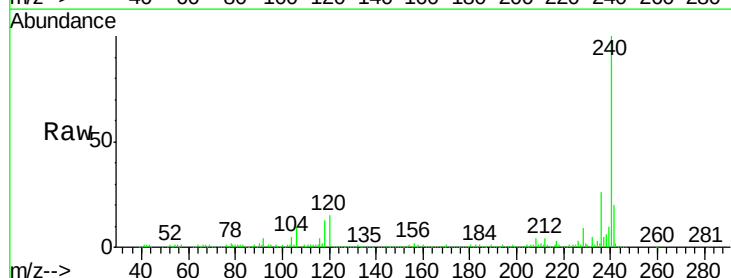
Tgt Ion: 240 Resp: 307823

Ion Ratio Lower Upper

240 100

120 15.2 5.3 7.9#

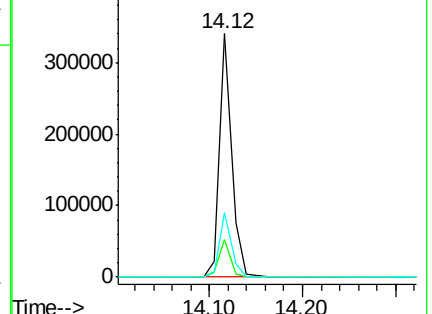
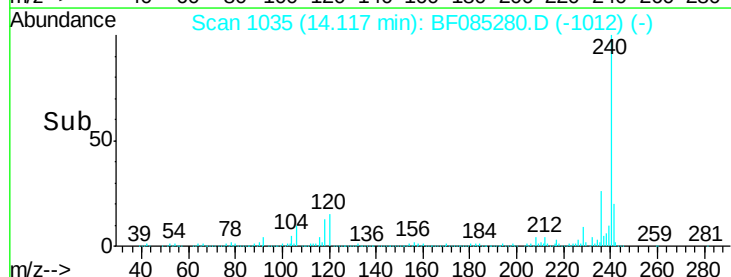
236 26.5 20.7 31.1

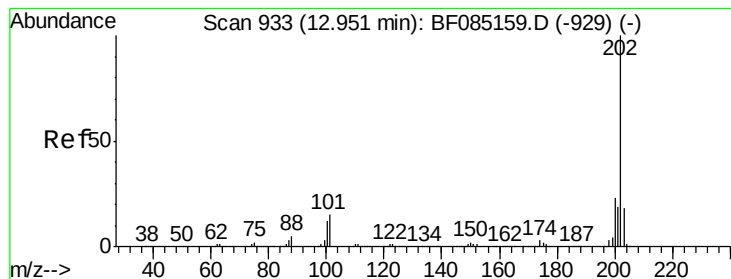


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 7.94 ng

RT: 12.93 min Scan# 931

Delta R.T. -0.02 min

Lab File: BF085280.D

Acq: 9 Mar 2016 2:47

Instrument :

BNA_F

ClientSampleId :

SB-39COMP(0.5-2.0)

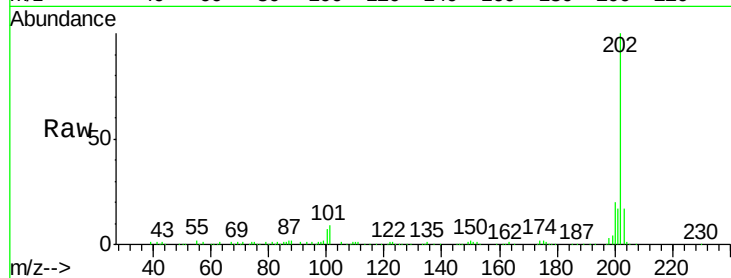
Tgt Ion: 202 Resp: 184046

Ion Ratio Lower Upper

202 100

200 20.3 18.2 27.4

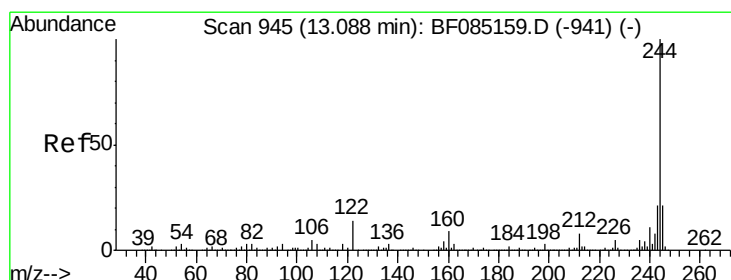
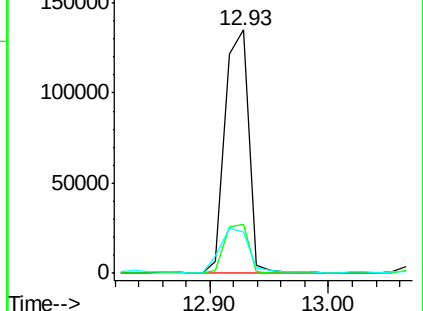
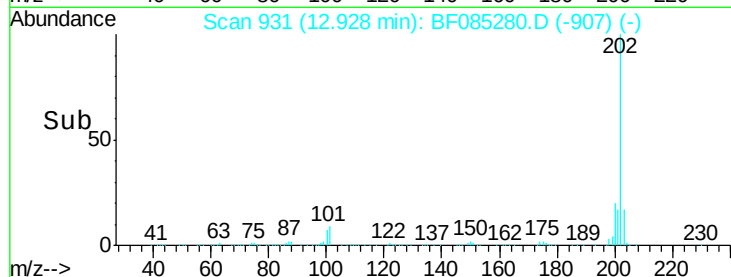
203 16.8 14.7 22.1



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: 70.27 ng

RT: 13.07 min Scan# 943

Delta R.T. -0.02 min

Lab File: BF085280.D

Acq: 9 Mar 2016 2:47

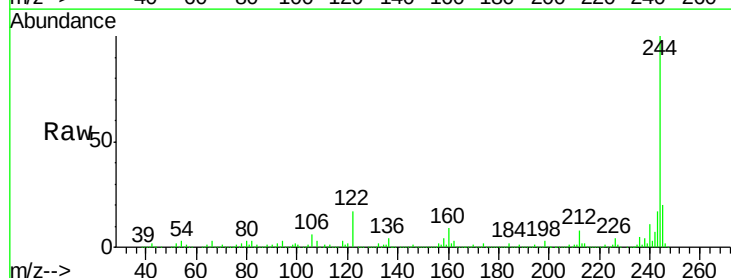
Tgt Ion: 244 Resp: 931742

Ion Ratio Lower Upper

244 100

212 7.7 6.4 9.6

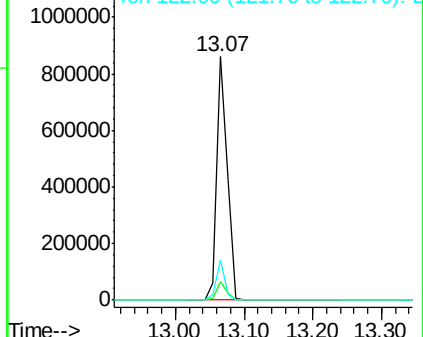
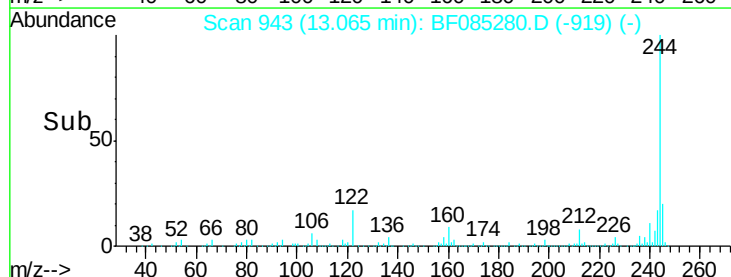
122 16.6 11.4 17.2

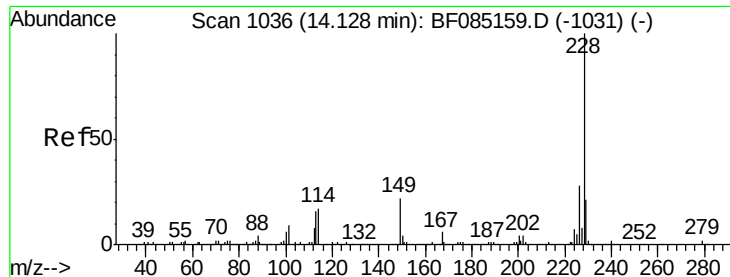


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 5.22 ng

RT: 14.11 min Scan# 1034

Delta R.T. -0.02 min

Lab File: BF085280.D

Acq: 9 Mar 2016 2:47

Instrument :

BNA_F

ClientSampleId :

SB-39COMP(0.5-2.0)

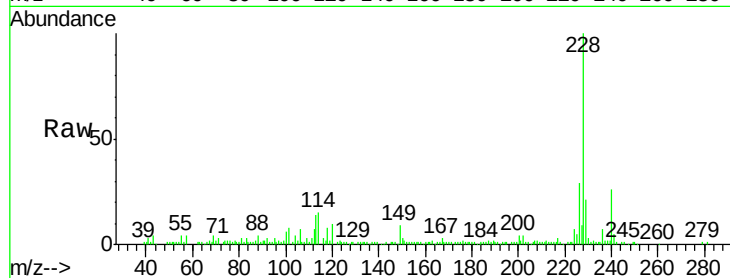
Tgt Ion:228 Resp: 96179

Ion Ratio Lower Upper

228 100

226 28.6 22.8 34.2

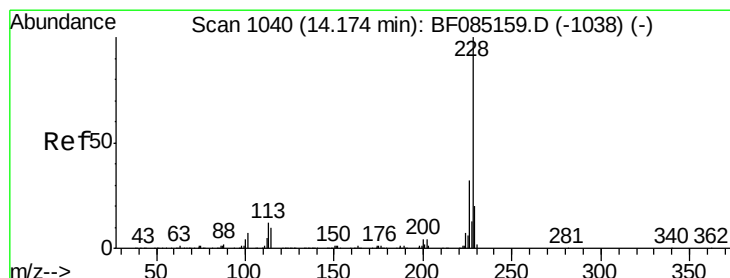
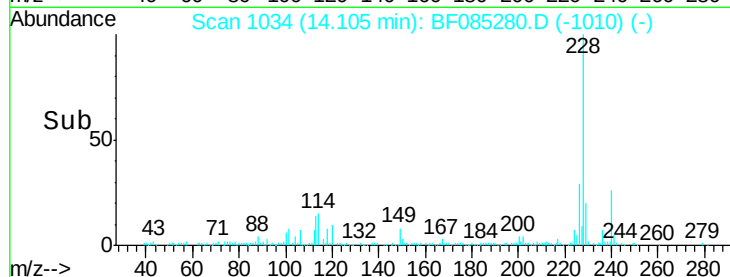
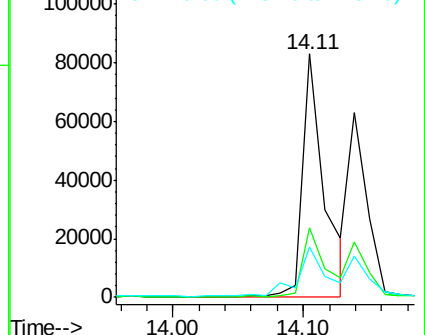
229 20.6 16.6 24.8



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: 5.65 ng

RT: 14.11 min Scan# 1034

Delta R.T. -0.07 min

Lab File: BF085280.D

Acq: 9 Mar 2016 2:47

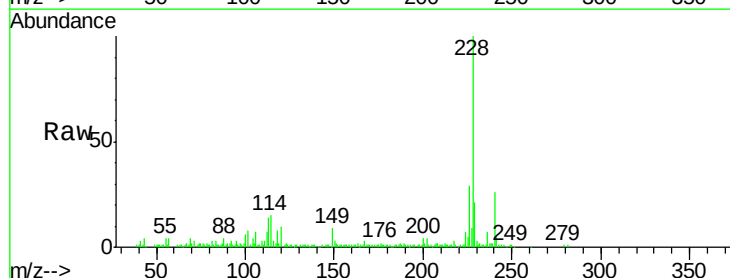
Tgt Ion:228 Resp: 96179

Ion Ratio Lower Upper

228 100

226 28.6 25.2 37.8

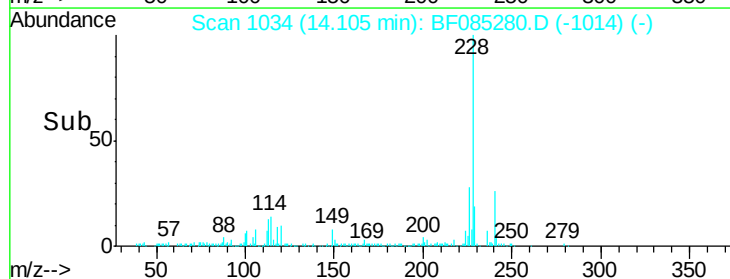
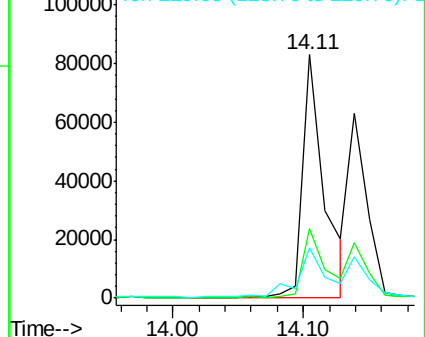
229 20.6 16.0 24.0

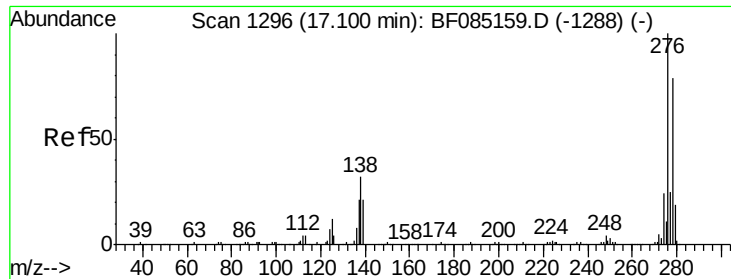


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

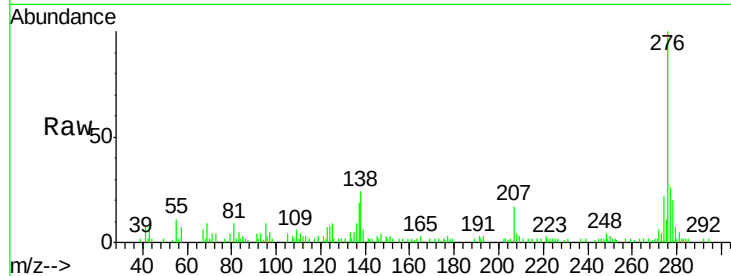




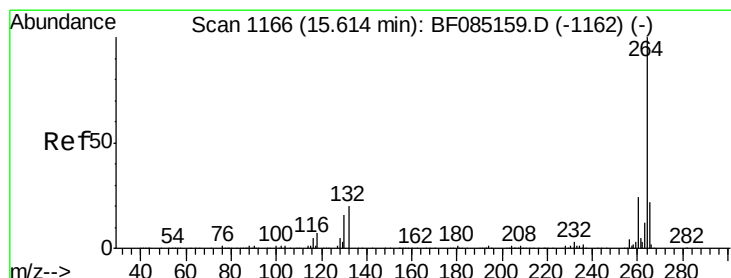
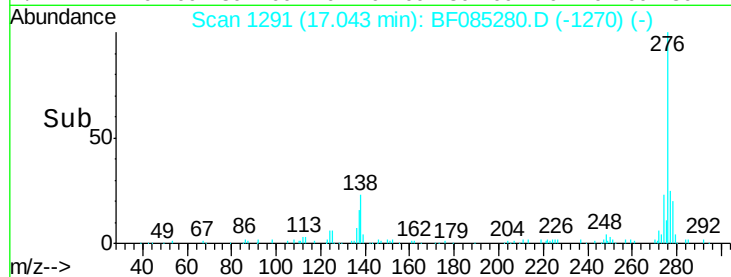
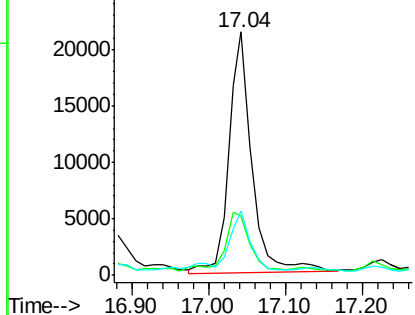
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.37 ng
 RT: 17.04 min Scan# 1291
 Delta R.T. -0.06 min
 Lab File: BF085280.D
 Acq: 9 Mar 2016 2:47

Instrument :
 BNA_F
 ClientSampleId :
 SB-39COMP(0.5-2.0)

Tgt Ion: 276 Resp: 44749
 Ion Ratio Lower Upper
 276 100
 138 26.1 26.4 39.6#
 277 28.9 20.2 30.2

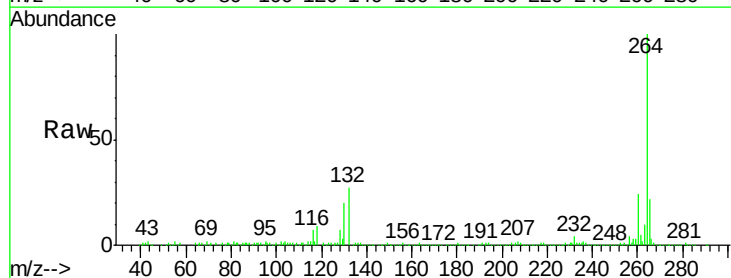


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

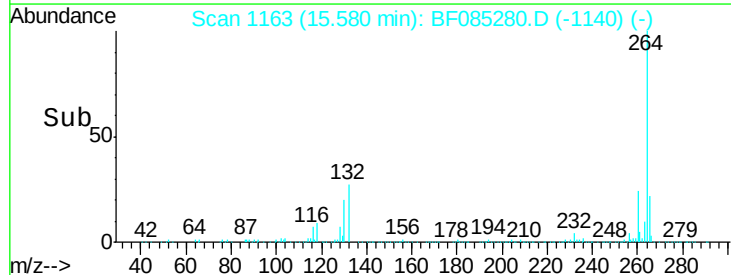
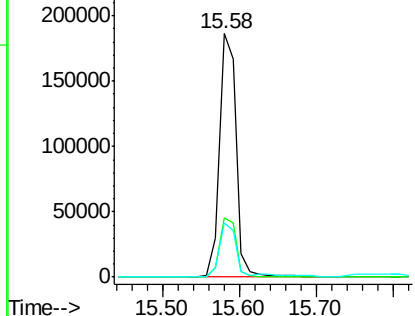


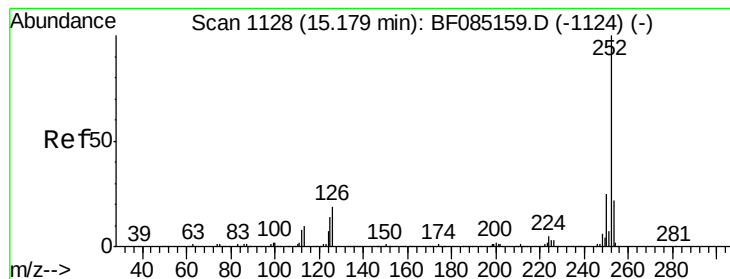
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.58 min Scan# 1163
 Delta R.T. -0.03 min
 Lab File: BF085280.D
 Acq: 9 Mar 2016 2:47

Tgt Ion: 264 Resp: 285647
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.2 28.8
 265 22.3 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: 6.50 ng

RT: 15.16 min Scan# 1126

Delta R.T. -0.02 min

Lab File: BF085280.D

Acq: 9 Mar 2016 2:47

Instrument :

BNA_F

ClientSampleId :

SB-39COMP(0.5-2.0)

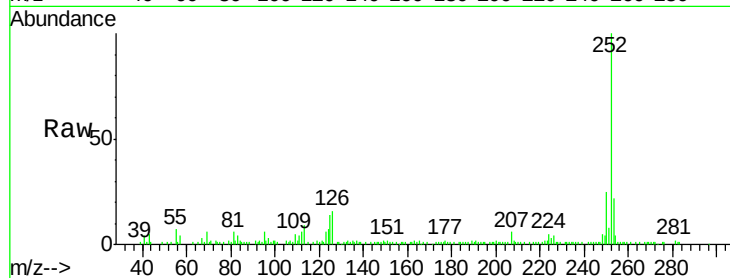
Tgt Ion:252 Resp: 123731

Ion Ratio Lower Upper

252 100

253 22.5 17.8 26.6

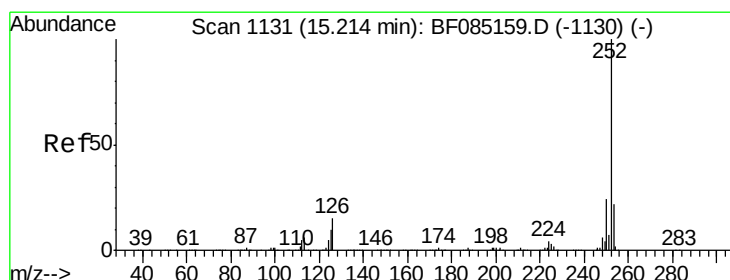
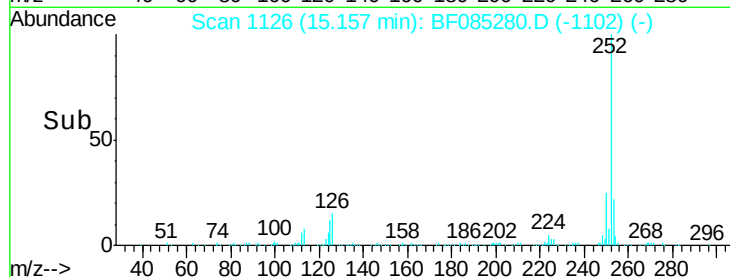
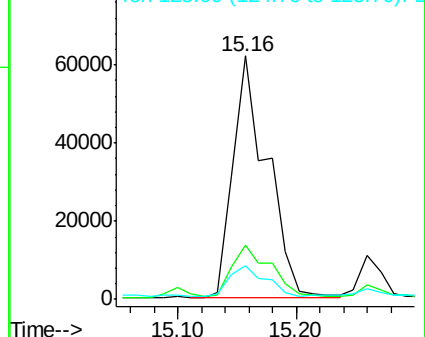
125 13.7 11.3 16.9



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: 8.06 ng

RT: 15.16 min Scan# 1126

Delta R.T. -0.06 min

Lab File: BF085280.D

Acq: 9 Mar 2016 2:47

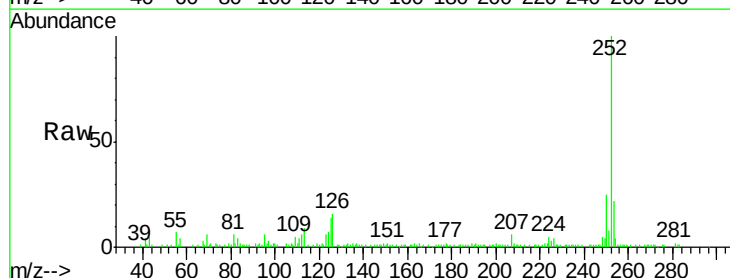
Tgt Ion:252 Resp: 123731

Ion Ratio Lower Upper

252 100

253 22.5 17.8 26.6

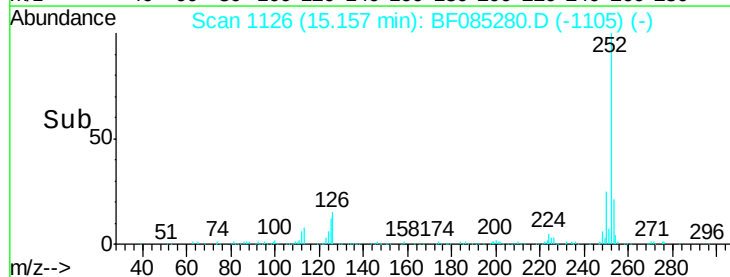
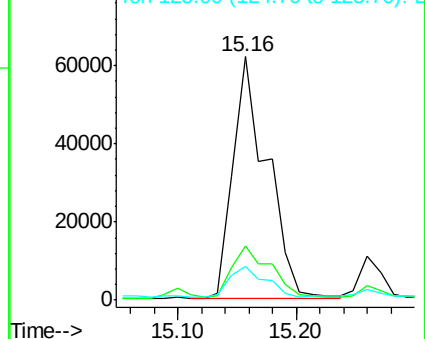
125 13.7 10.4 15.6

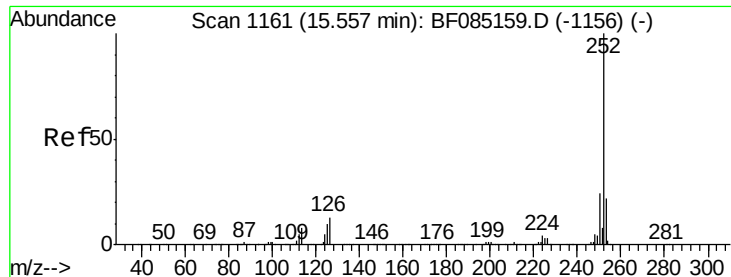


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 4.27 ng

RT: 15.52 min Scan# 1158

Delta R.T. -0.03 min

Lab File: BF085280.D

Acq: 9 Mar 2016 2:47

Instrument :

BNA_F

ClientSampleId :

SB-39COMP(0.5-2.0)

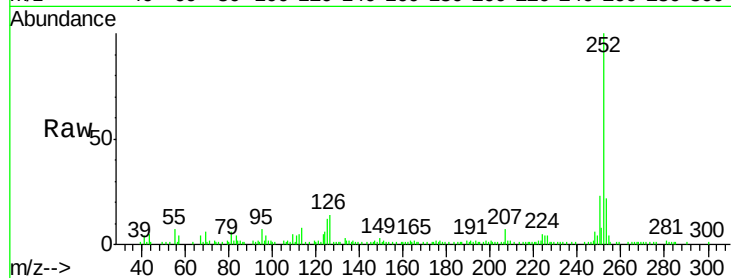
Tgt Ion:252 Resp: 67441

Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.0

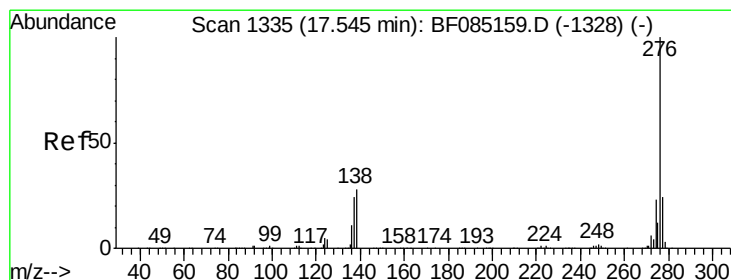
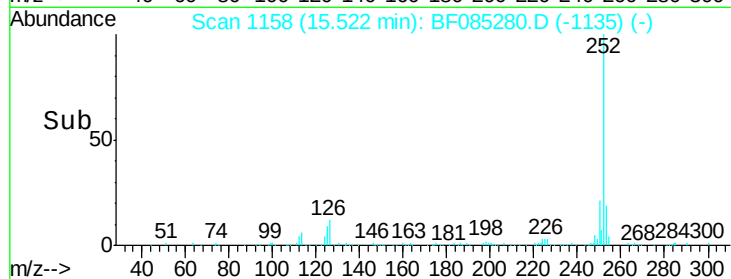
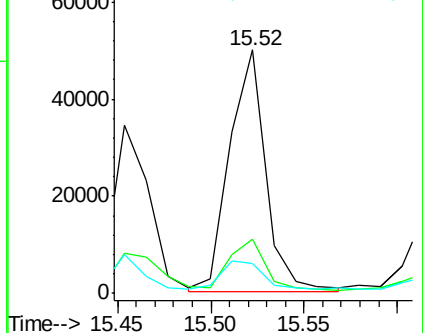
125 12.4 8.2 12.4#



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: 3.32 ng

RT: 17.48 min Scan# 1329

Delta R.T. -0.07 min

Lab File: BF085280.D

Acq: 9 Mar 2016 2:47

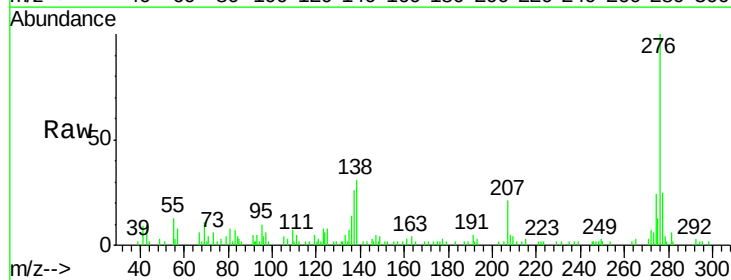
Tgt Ion:276 Resp: 44949

Ion Ratio Lower Upper

276 100

277 25.3 19.0 28.4

138 30.8 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

