

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032116\
 Data File : BF085645.D
 Acq On : 22 Mar 2016 4:21
 Operator : UM/SJ
 Sample : H1840-03
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PJ-SB-11-1.5-2.0

Quant Time: Mar 22 04:13:03 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 18 23:31:39 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	117411	20.00	ng	-0.02
21) Naphthalene-d8	8.13	136	458269	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	180429	20.00	ng	-0.02
63) Phenanthrene-d10	11.36	188	295455	20.00	ng	-0.02
75) Chrysene-d12	13.99	240	218215	20.00	ng	-0.02
86) Perylene-d12	15.42	264	226583	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.44	112	792362	113.35	ng	-0.01
7) Phenol-d6	6.48	99	1112982	124.14	ng	-0.01
23) Nitrobenzene-d5	7.41	82	646603	81.90	ng	-0.02
41) 2,4,6-Tribromophenol	10.66	330	185341	104.87	ng	-0.02
44) 2-Fluorobiphenyl	9.20	172	933703	89.45	ng	-0.02
78) Terphenyl-d14	12.95	244	616971	68.04	ng	-0.01

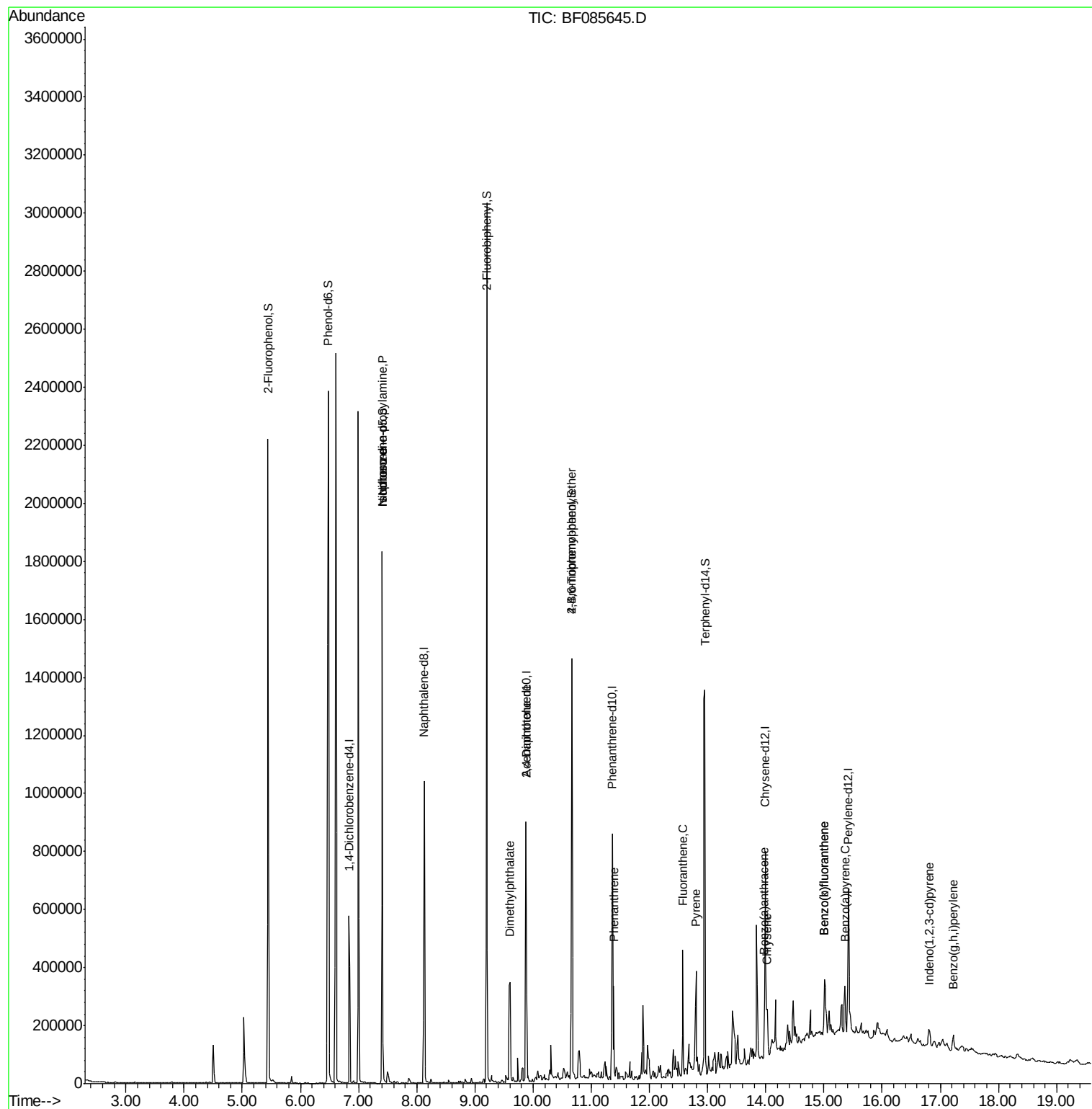
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.48	77	1548	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.41	70	87477	16.33	ng	77
25) Isophorone	7.41	82	489818	30.99	ng	68
49) Dimethylphthalate	9.60	163	211730	15.55	ng	98
56) 2,4-Dinitrotoluene	9.88	165	23342	6.20	ng	37
66) 4-Bromophenyl-phenylether	10.66	248	12128	4.11	ng	1
70) Phenanthrene	11.38	178	113279	7.27	ng	98
74) Fluoranthene	12.57	202	170884	10.48	ng	91
77) Pyrene	12.80	202	179195	11.44	ng	99
80) Benzo(a)anthracene	13.98	228	95305	7.52	ng	95
82) Chrysene	14.03	228	86102	7.06	ng	98
85) Indeno(1,2,3-cd)pyrene	16.80	276	43191	4.24	ng	94
87) Benzo(b)fluoranthene	15.01	252	150725	10.19	ng	96
88) Benzo(k)fluoranthene	15.01	252	150725	12.37	ng	# 94
89) Benzo(a)pyrene	15.36	252	80168	6.40	ng	98
91) Benzo(g,h,i)perylene	17.23	276	40302	3.98	ng	98

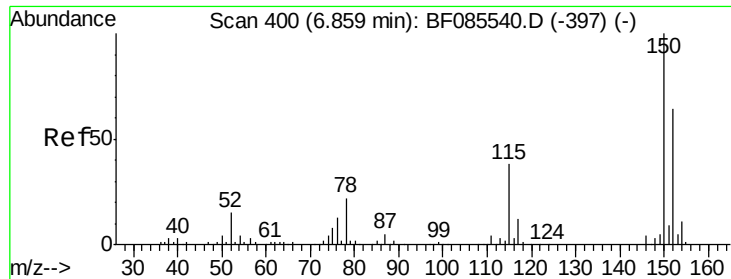
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.84 min Scan# 398

Delta R.T. -0.02 min

Lab File: BF085645.D

Acq: 22 Mar 2016 4:21

Instrument :

BNA_F

ClientSampleId :

PJ-SB-11-1.5-2.0

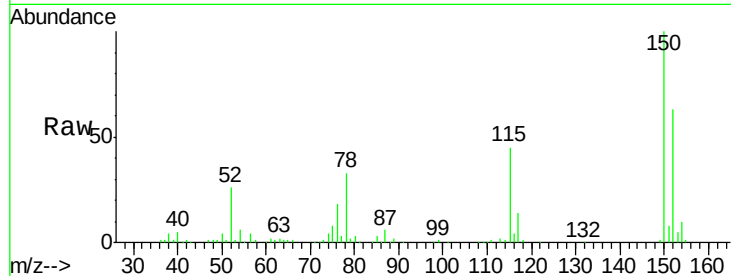
Tgt Ion:152 Resp: 117411

Ion Ratio Lower Upper

152 100

150 157.7 124.2 186.2

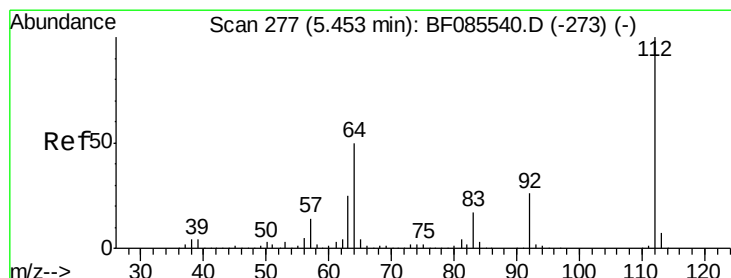
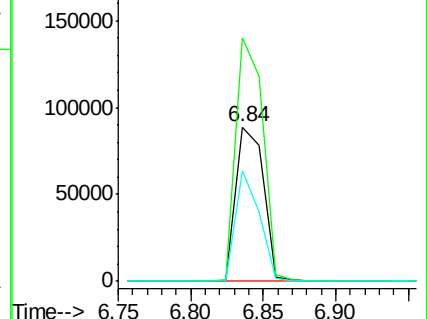
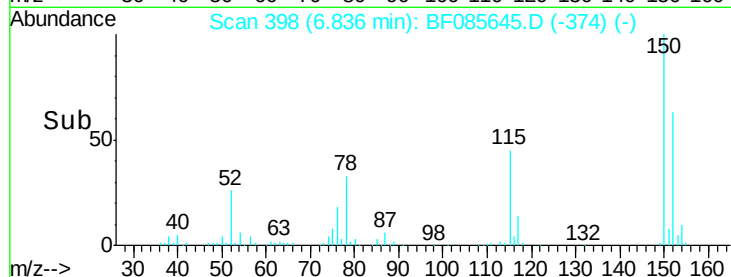
115 71.2 47.0 70.6#



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: 113.35 ng

RT: 5.44 min Scan# 276

Delta R.T. -0.01 min

Lab File: BF085645.D

Acq: 22 Mar 2016 4:21

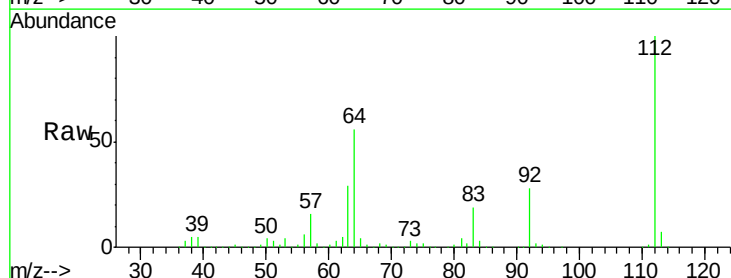
Tgt Ion:112 Resp: 792362

Ion Ratio Lower Upper

112 100

64 56.2 39.9 59.9

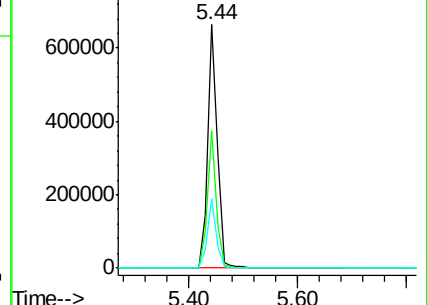
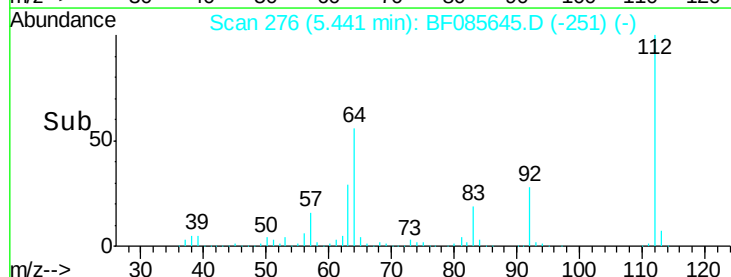
63 28.5 20.2 30.2

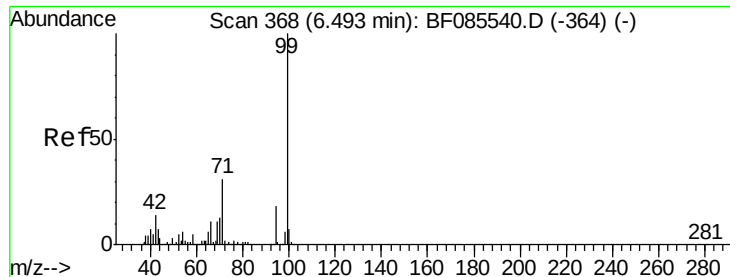


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 124.14 ng

RT: 6.48 min Scan# 367

Delta R.T. -0.01 min

Lab File: BF085645.D

Acq: 22 Mar 2016 4:21

Instrument :

BNA_F

ClientSampleId :

PJ-SB-11-1.5-2.0

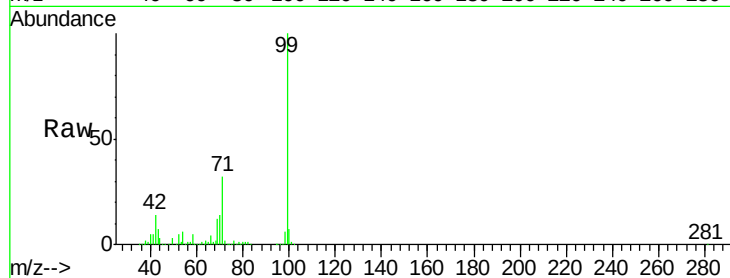
Tgt Ion: 99 Resp: 1112982

Ion Ratio Lower Upper

99 100

42 13.9 11.1 16.7

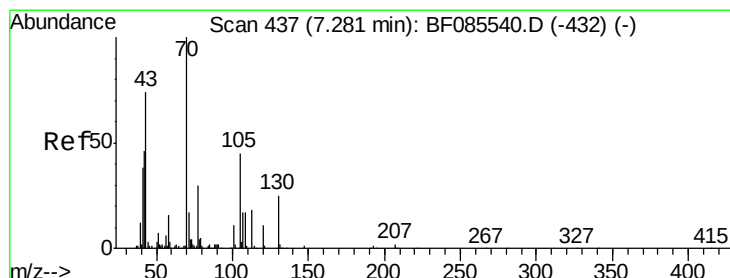
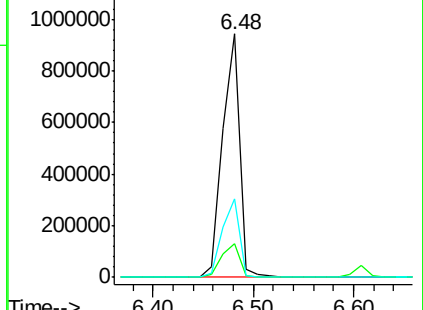
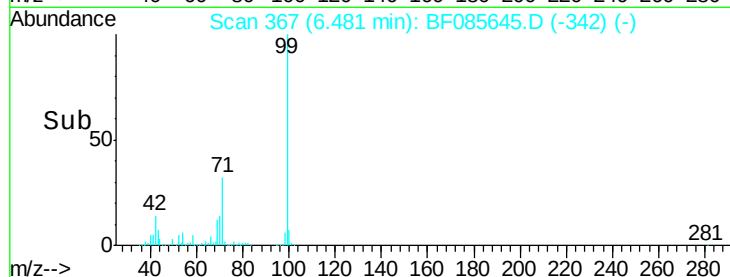
71 32.3 24.9 37.3



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: 16.33 ng

RT: 7.41 min Scan# 448

Delta R.T. 0.13 min

Lab File: BF085645.D

Acq: 22 Mar 2016 4:21

Tgt Ion: 70 Resp: 87477

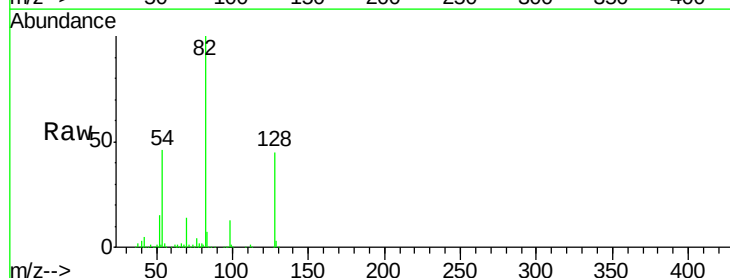
Ion Ratio Lower Upper

70 100

42 39.3 37.1 55.7

101 0.0 8.6 12.8#

130 2.1 19.6 29.4#

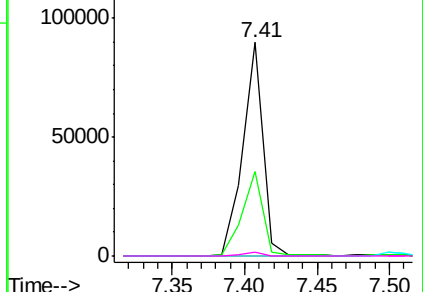
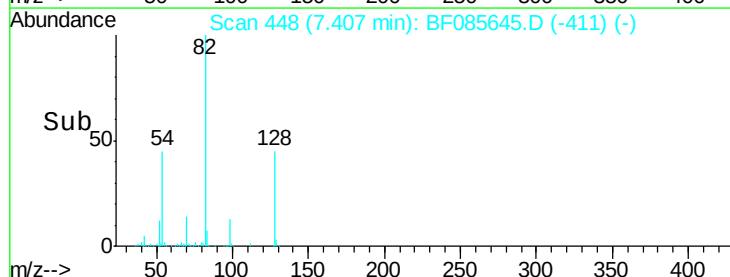


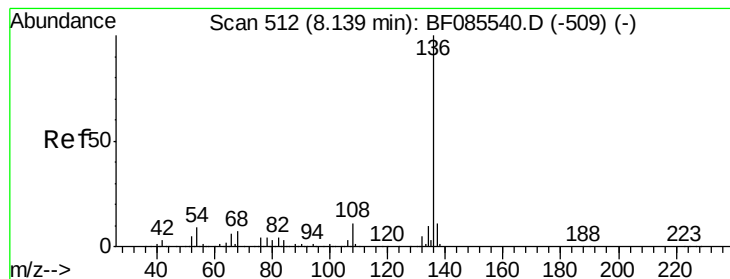
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 8.13 min Scan# 511

Delta R.T. -0.01 min

Lab File: BF085645.D

Acq: 22 Mar 2016 4:21

Instrument :

BNA_F

ClientSampleId :

PJ-SB-11-1.5-2.0

Tgt Ion: 136 Resp: 458269

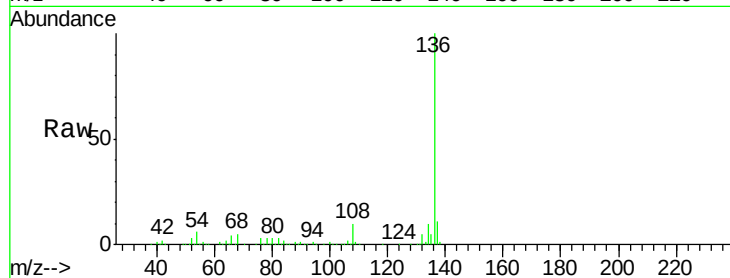
Ion Ratio Lower Upper

136 100

137 10.9 9.1 13.7

54 6.2 7.4 11.0#

68 5.5 5.8 8.8#

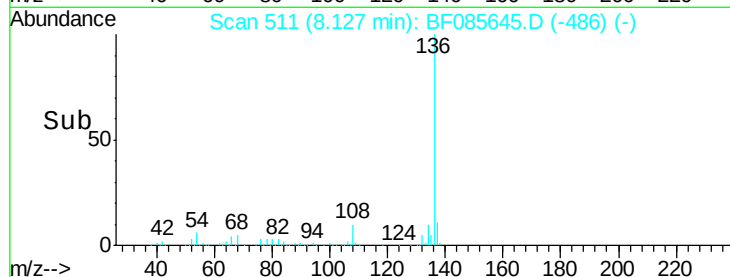


Abundance Ion 136.00 (135.70 to 136.70): E

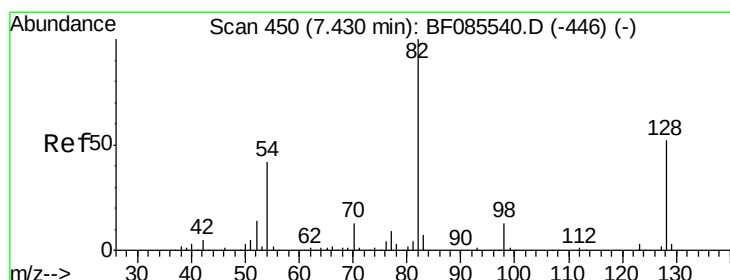
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 81.90 ng

RT: 7.41 min Scan# 448

Delta R.T. -0.02 min

Lab File: BF085645.D

Acq: 22 Mar 2016 4:21

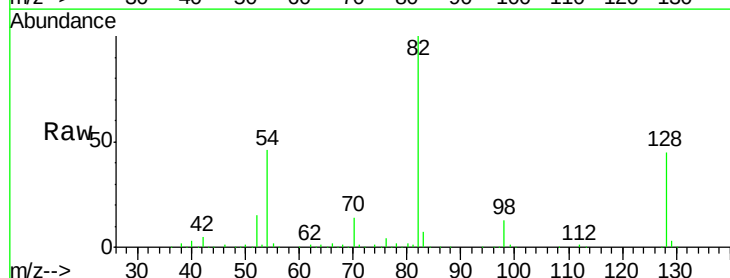
Tgt Ion: 82 Resp: 646603

Ion Ratio Lower Upper

82 100

128 45.5 41.8 62.8

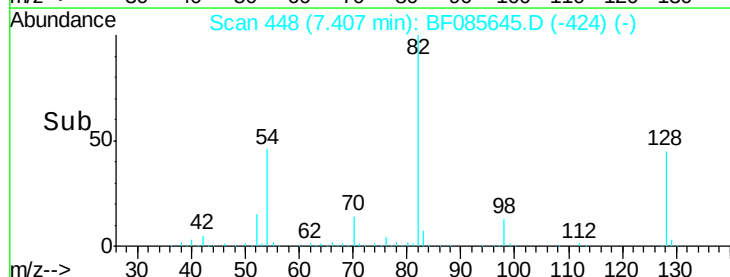
54 46.1 33.4 50.0



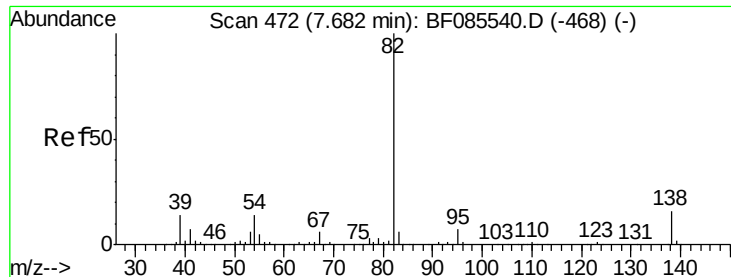
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->



#25

Isophorone

Concen: 30.99 ng

RT: 7.41 min Scan# 448

Delta R.T. -0.27 min

Lab File: BF085645.D

Acq: 22 Mar 2016 4:21

Instrument :

BNA_F

ClientSampleId :

PJ-SB-11-1.5-2.0

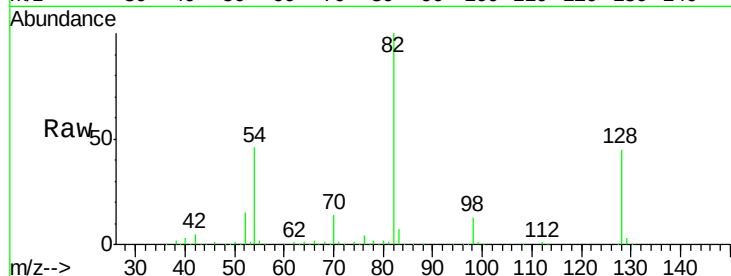
Tgt Ion: 82 Resp: 489818

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

138 0.0 12.9 19.3#

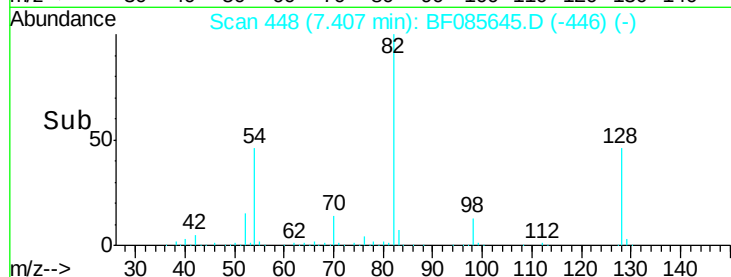


Abundance Ion 82.00 (81.70 to 82.70): BF085540.D (-468) (-)

Ion 95.00 (94.70 to 95.70): BF085540.D (-468) (-)

Ion 138.00 (137.70 to 138.70): BF085540.D (-468) (-)

Time-->

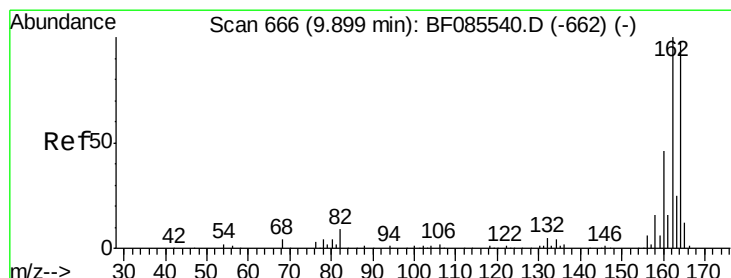


Abundance Ion 82.00 (81.70 to 82.70): BF085645.D (-446) (-)

Ion 95.00 (94.70 to 95.70): BF085645.D (-446) (-)

Ion 138.00 (137.70 to 138.70): BF085645.D (-446) (-)

Time-->



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.88 min Scan# 664

Delta R.T. -0.02 min

Lab File: BF085645.D

Acq: 22 Mar 2016 4:21

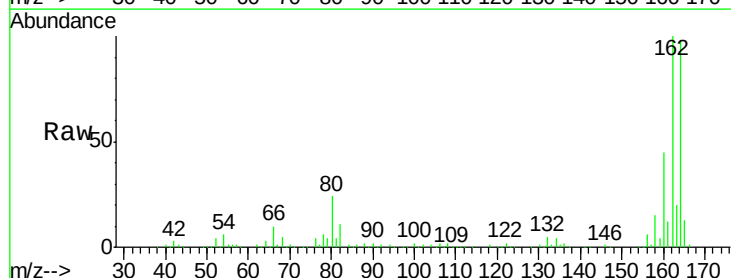
Tgt Ion: 164 Resp: 180429

Ion Ratio Lower Upper

164 100

162 102.0 82.1 123.1

160 45.9 37.4 56.2

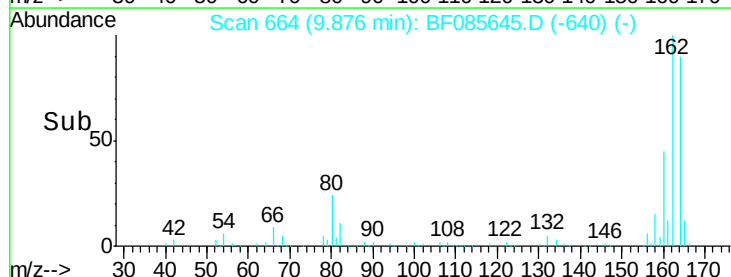


Abundance Ion 164.00 (163.70 to 164.70): BF085540.D (-662) (-)

Ion 162.00 (161.70 to 162.70): BF085540.D (-662) (-)

Ion 160.00 (159.70 to 160.70): BF085540.D (-662) (-)

Time-->

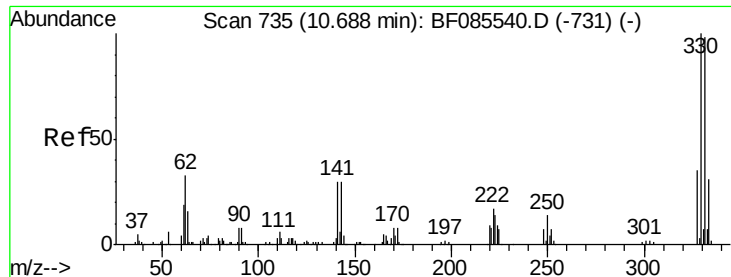


Abundance Ion 164.00 (163.70 to 164.70): BF085645.D (-640) (-)

Ion 162.00 (161.70 to 162.70): BF085645.D (-640) (-)

Ion 160.00 (159.70 to 160.70): BF085645.D (-640) (-)

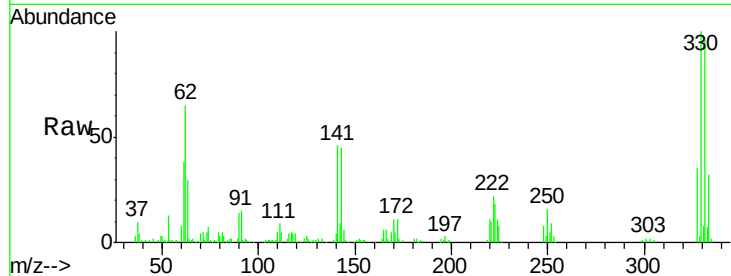
Time-->



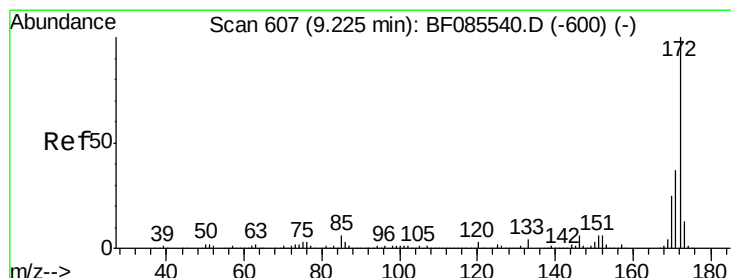
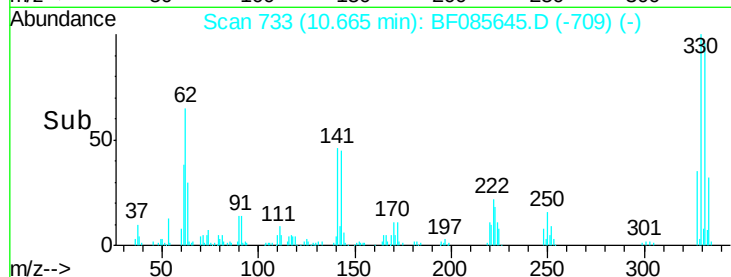
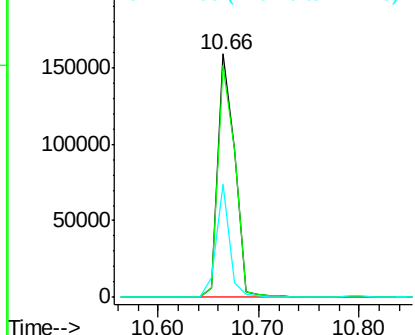
#41
 2,4,6-Tribromophenol
 Concen: 104.87 ng
 RT: 10.66 min Scan# 733
 Delta R.T. -0.02 min
 Lab File: BF085645.D
 Acq: 22 Mar 2016 4:21

Instrument :
 BNA_F
 ClientSampleId :
 PJ-SB-11-1.5-2.0

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.0	78.2	117.2
141	37.9	31.5	47.3

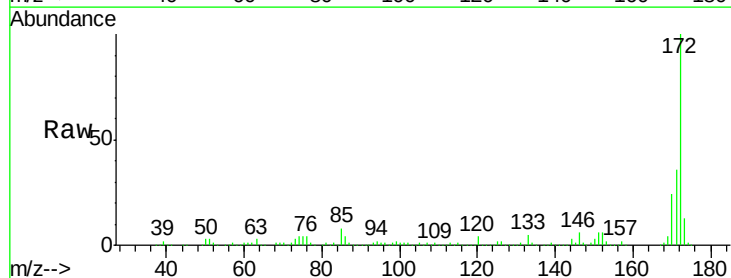


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

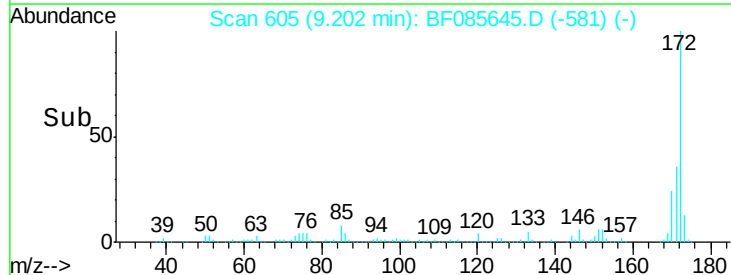
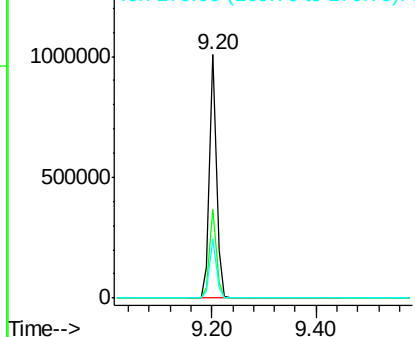


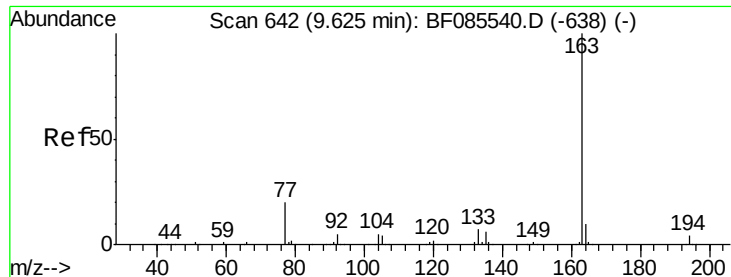
#44
 2-Fluorobiphenyl
 Concen: 89.45 ng
 RT: 9.20 min Scan# 605
 Delta R.T. -0.02 min
 Lab File: BF085645.D
 Acq: 22 Mar 2016 4:21

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.4	44.2
170	24.2	19.8	29.6



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

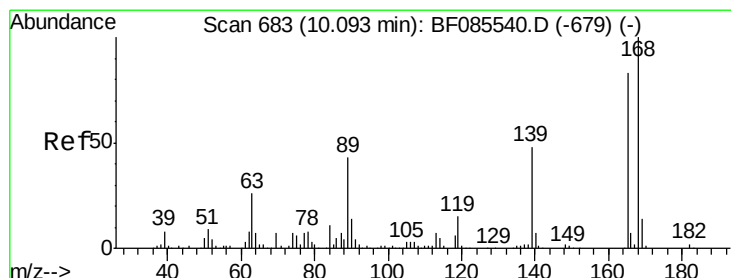
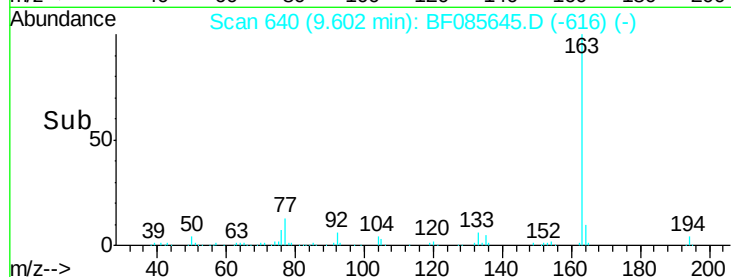
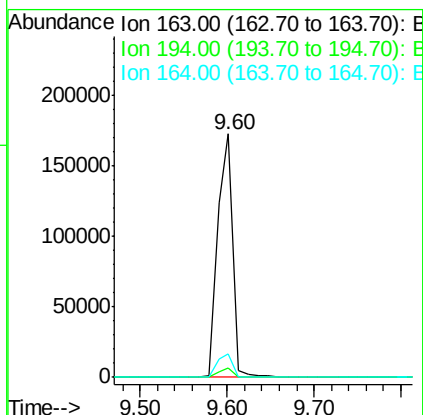
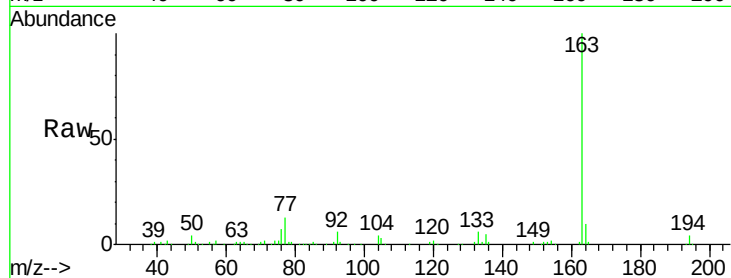




#49
Dimethylphthalate
Concen: 15.55 ng
RT: 9.60 min Scan# 640
Delta R.T. -0.02 min
Lab File: BF085645.D
Acq: 22 Mar 2016 4:21

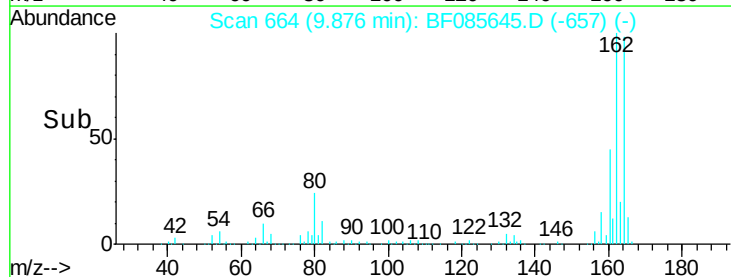
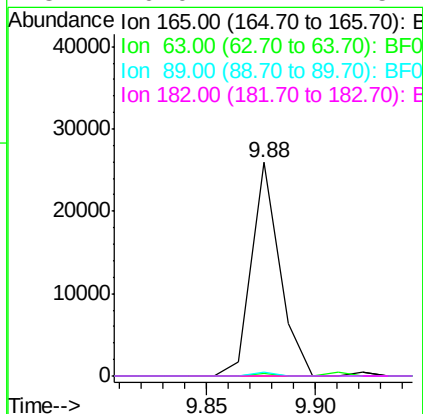
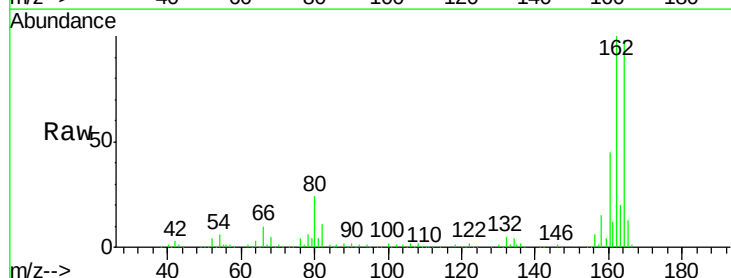
Instrument :
BNA_F
ClientSampleId :
PJ-SB-11-1.5-2.0

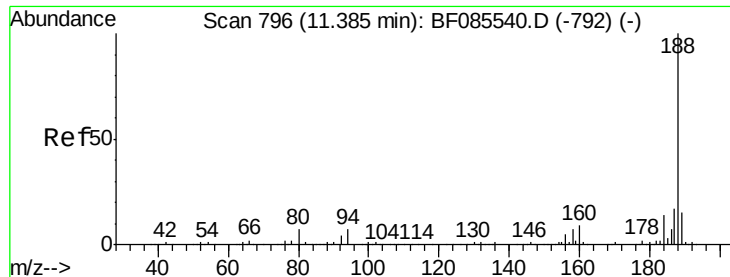
Tgt Ion:163 Resp: 211730
Ion Ratio Lower Upper
163 100
194 4.0 2.9 4.3
164 9.6 8.3 12.5



#56
2,4-Dinitrotoluene
Concen: 6.20 ng
RT: 9.88 min Scan# 664
Delta R.T. -0.22 min
Lab File: BF085645.D
Acq: 22 Mar 2016 4:21

Tgt Ion:165 Resp: 23342
Ion Ratio Lower Upper
165 100
63 1.4 24.9 37.3#
89 1.6 41.0 61.6#
182 0.0 2.1 3.1#

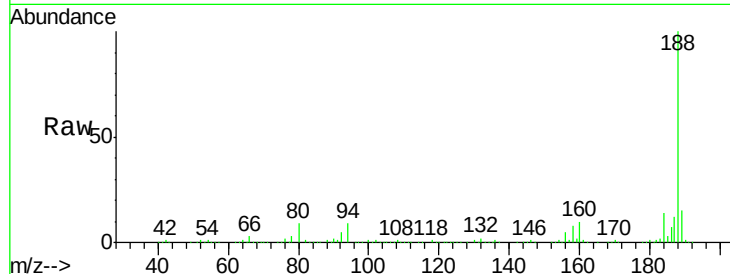




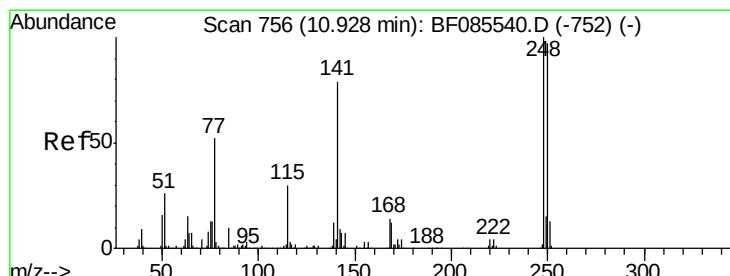
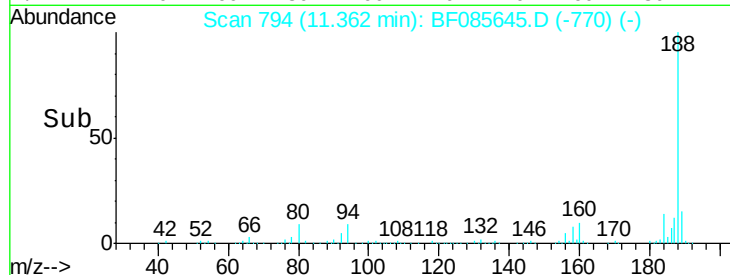
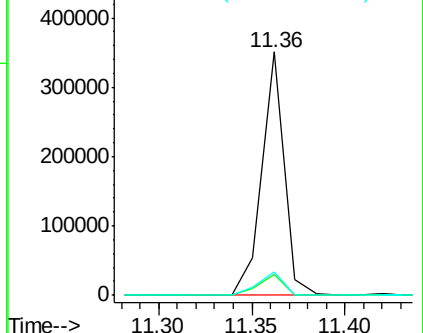
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.36 min Scan# 794
 Delta R.T. -0.02 min
 Lab File: BF085645.D
 Acq: 22 Mar 2016 4:21

Instrument :
 BNA_F
 ClientSampleId :
 PJ-SB-11-1.5-2.0

Tgt Ion:188 Resp: 295455
 Ion Ratio Lower Upper
 188 100
 94 8.7 5.4 8.0#
 80 9.4 5.5 8.3#

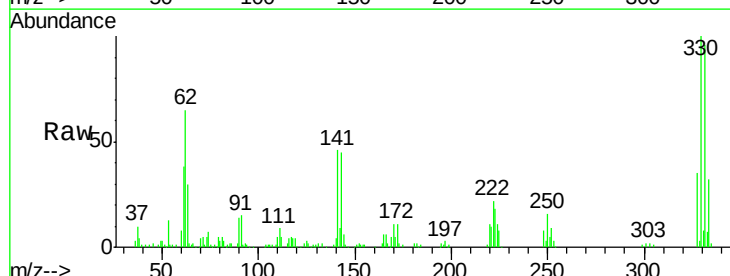


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

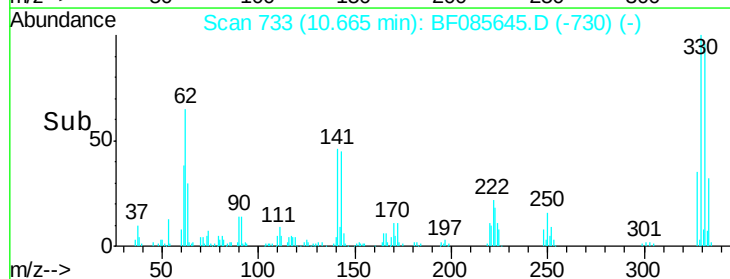
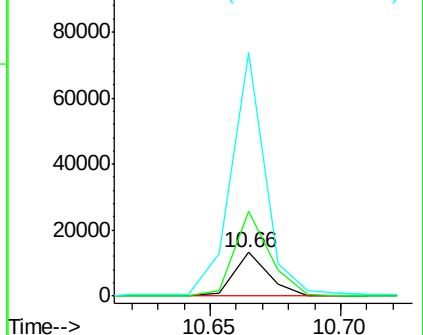


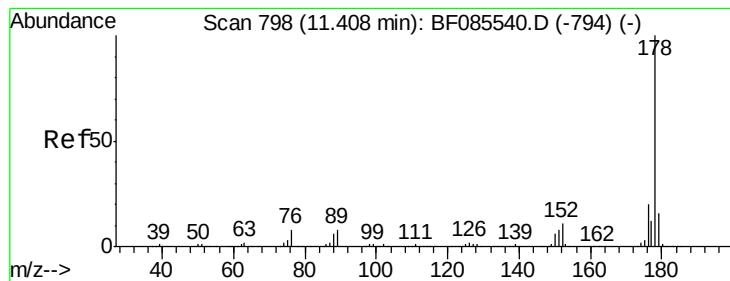
#66
 4-Bromophenyl-phenylether
 Concen: 4.11 ng
 RT: 10.66 min Scan# 733
 Delta R.T. -0.26 min
 Lab File: BF085645.D
 Acq: 22 Mar 2016 4:21

Tgt Ion:248 Resp: 12128
 Ion Ratio Lower Upper
 248 100
 250 196.5 77.4 116.0#
 141 560.8 63.6 95.4#



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: 7.27 ng

RT: 11.38 min Scan# 796

Delta R.T. -0.02 min

Lab File: BF085645.D

Acq: 22 Mar 2016 4:21

Instrument :

BNA_F

ClientSampleId :

PJ-SB-11-1.5-2.0

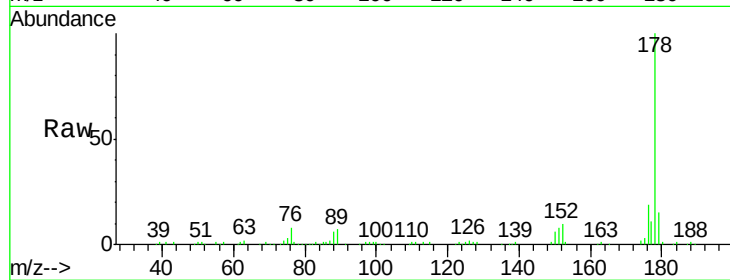
Tgt Ion:178 Resp: 113279

Ion Ratio Lower Upper

178 100

176 19.3 16.3 24.5

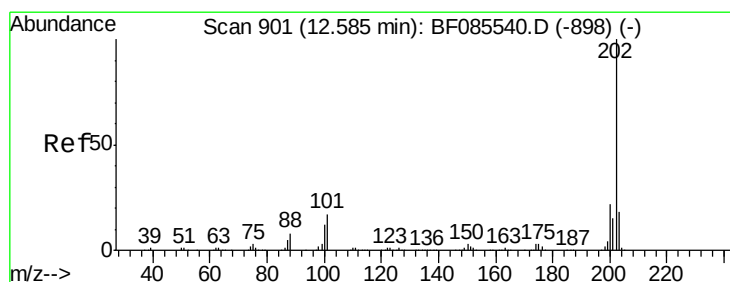
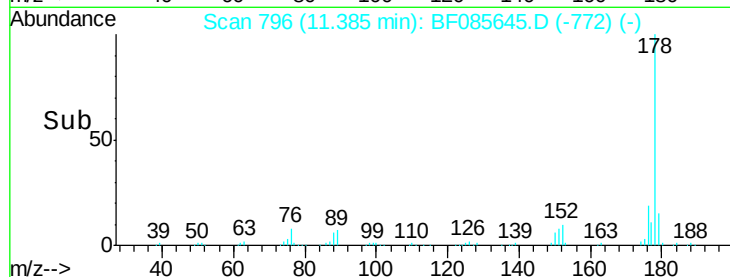
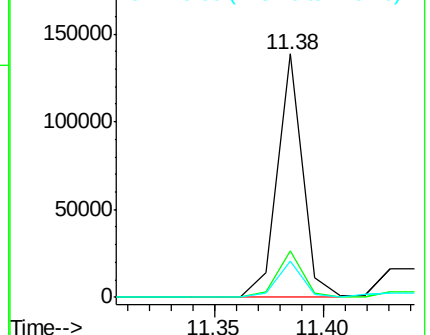
179 14.8 12.6 18.8



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: 10.48 ng

RT: 12.57 min Scan# 900

Delta R.T. -0.01 min

Lab File: BF085645.D

Acq: 22 Mar 2016 4:21

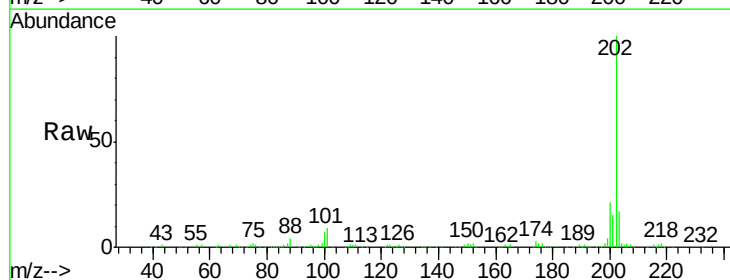
Tgt Ion:202 Resp: 170884

Ion Ratio Lower Upper

202 100

101 9.3 0.0 36.6

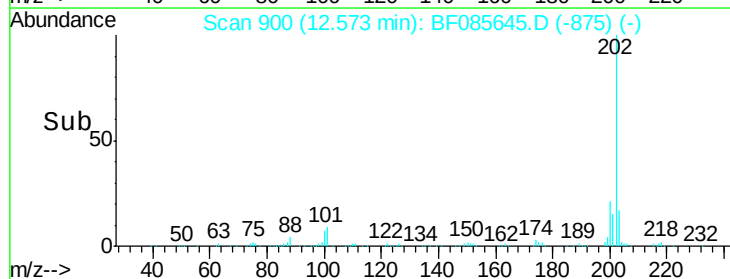
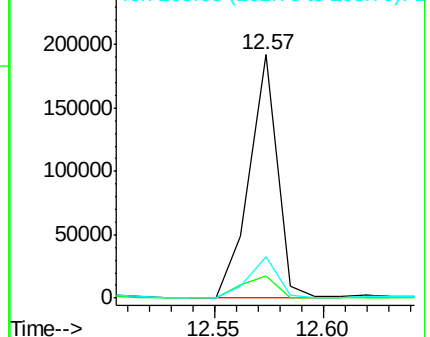
203 17.0 0.0 38.1

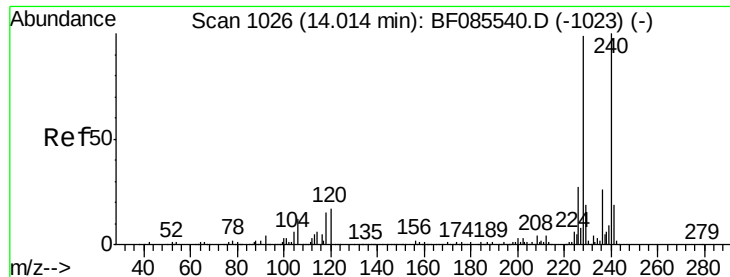


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.99 min Scan# 1024

Delta R.T. -0.02 min

Lab File: BF085645.D

Acq: 22 Mar 2016 4:21

Instrument :

BNA_F

ClientSampleId :

PJ-SB-11-1.5-2.0

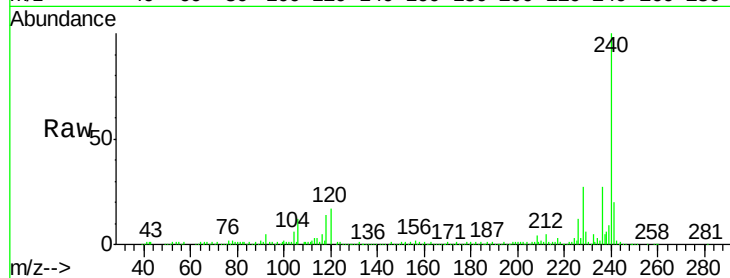
Tgt Ion:240 Resp: 218215

Ion Ratio Lower Upper

240 100

120 17.0 13.8 20.8

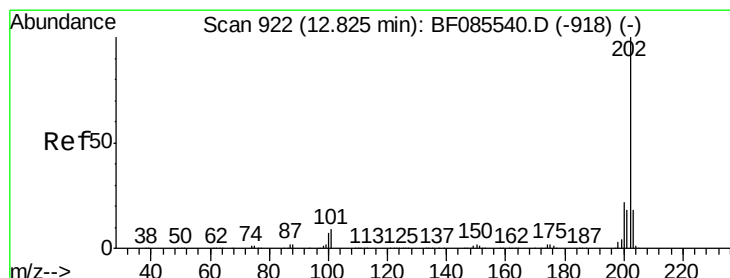
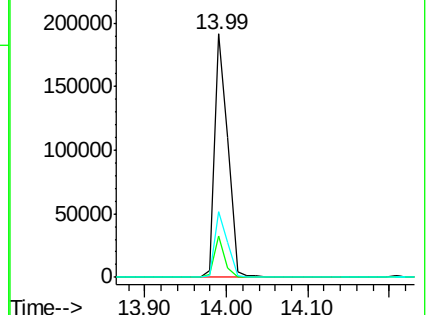
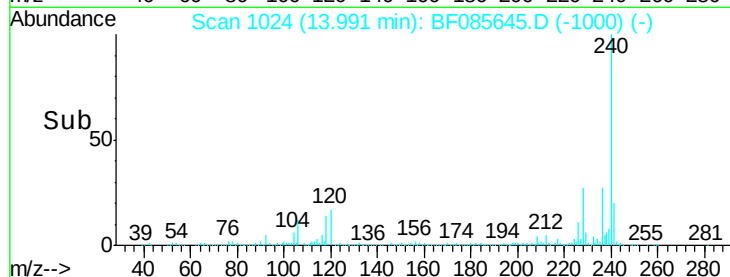
236 26.8 20.6 30.8



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: 11.44 ng

RT: 12.80 min Scan# 920

Delta R.T. -0.02 min

Lab File: BF085645.D

Acq: 22 Mar 2016 4:21

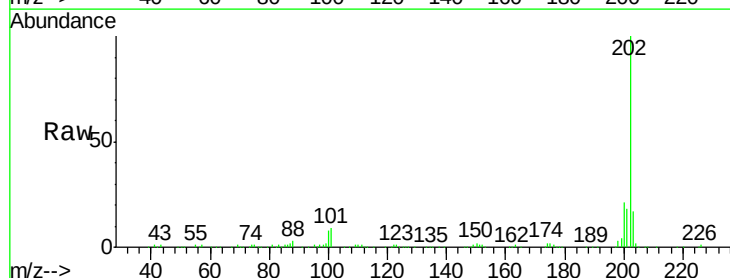
Tgt Ion:202 Resp: 179195

Ion Ratio Lower Upper

202 100

200 21.4 17.6 26.4

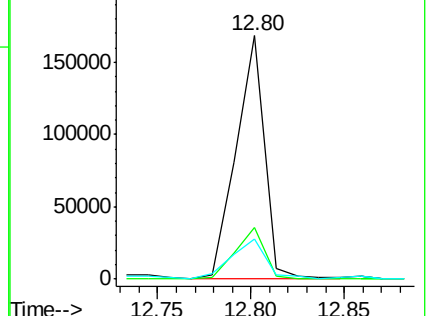
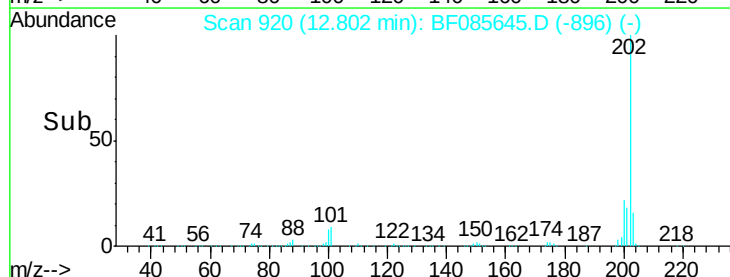
203 16.7 14.0 21.0

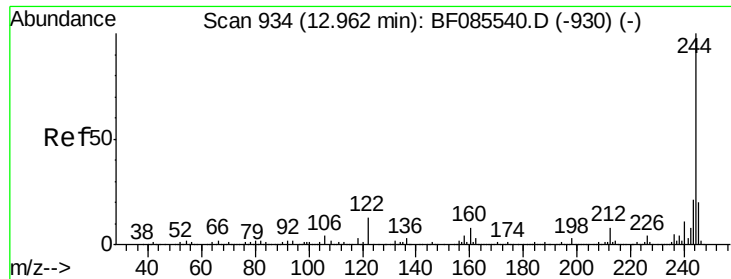


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

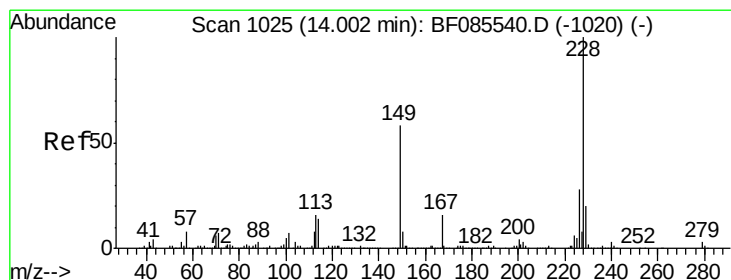
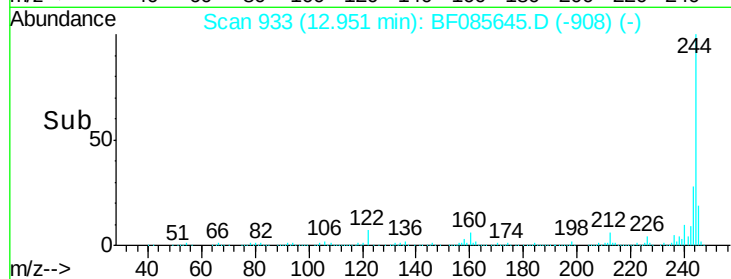
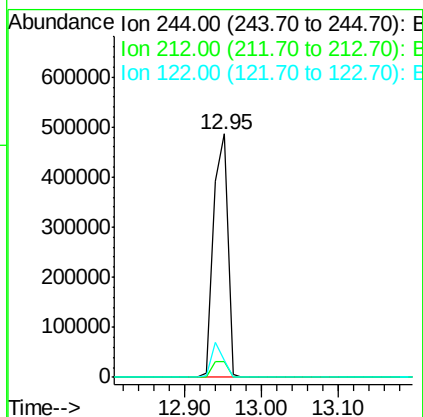
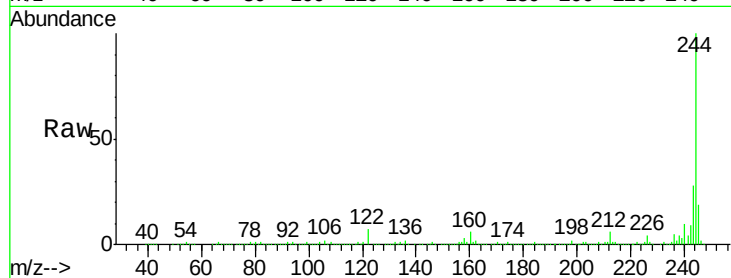




#78
 Terphenyl-d14
 Concen: 68.04 ng
 RT: 12.95 min Scan# 933
 Delta R.T. -0.01 min
 Lab File: BF085645.D
 Acq: 22 Mar 2016 4:21

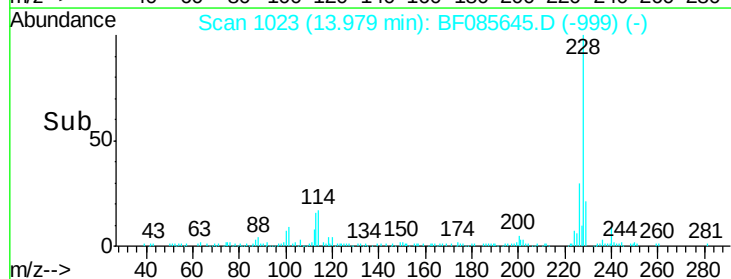
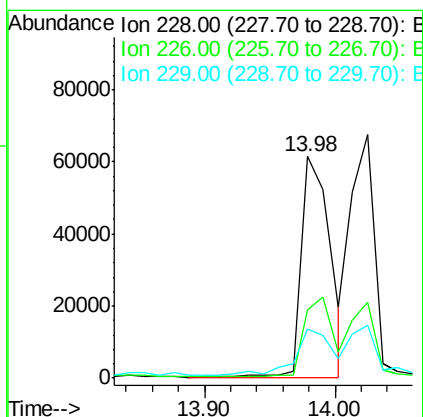
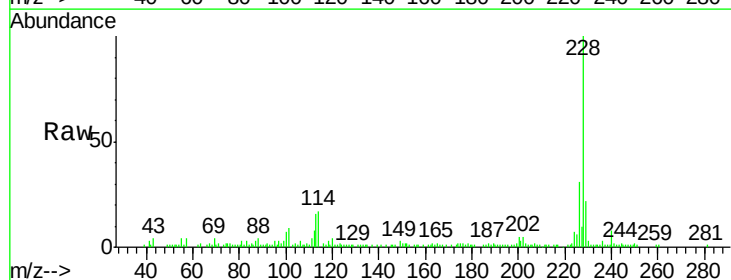
Instrument :
 BNA_F
 ClientSampleId :
 PJ-SB-11-1.5-2.0

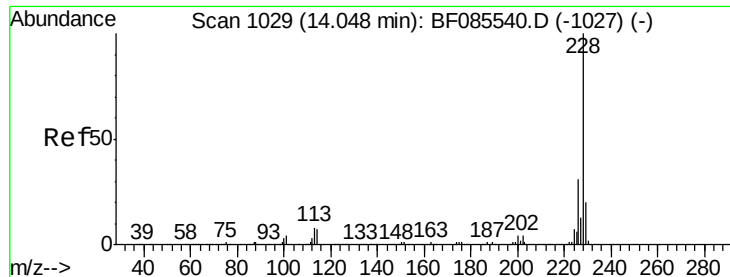
Tgt Ion:244 Resp: 616971
 Ion Ratio Lower Upper
 244 100
 212 6.4 6.1 9.1
 122 6.8 10.2 15.4#



#80
 Benzo(a)anthracene
 Concen: 7.52 ng
 RT: 13.98 min Scan# 1023
 Delta R.T. -0.02 min
 Lab File: BF085645.D
 Acq: 22 Mar 2016 4:21

Tgt Ion:228 Resp: 95305
 Ion Ratio Lower Upper
 228 100
 226 30.8 22.1 33.1
 229 22.2 16.2 24.4





#82

Chrysene

Concen: 7.06 ng

RT: 14.03 min Scan# 1027

Delta R.T. -0.02 min

Lab File: BF085645.D

Acq: 22 Mar 2016 4:21

Instrument :

BNA_F

ClientSampleId :

PJ-SB-11-1.5-2.0

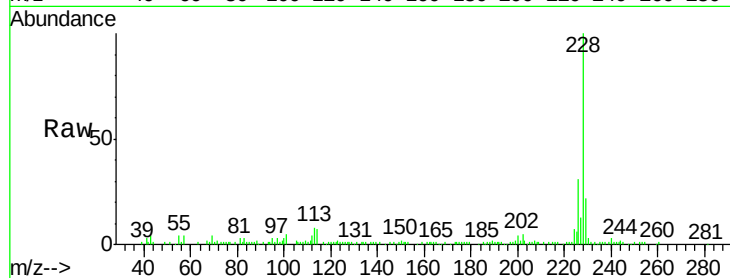
Tgt Ion:228 Resp: 86102

Ion Ratio Lower Upper

228 100

226 31.0 25.0 37.6

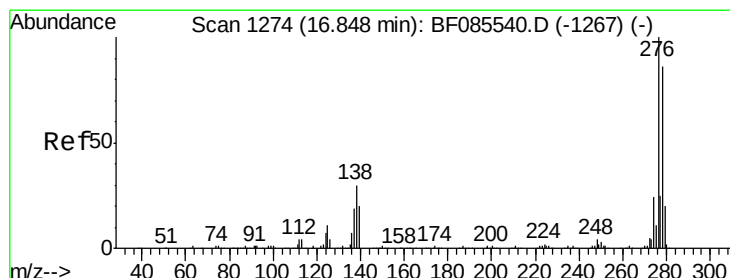
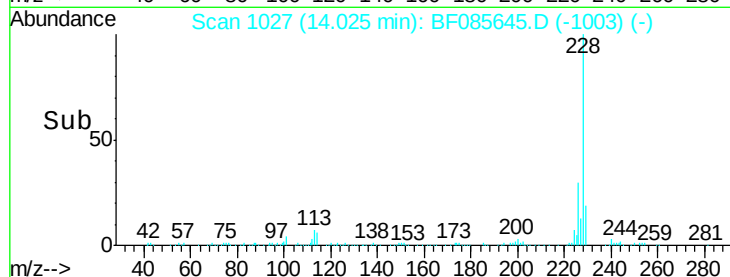
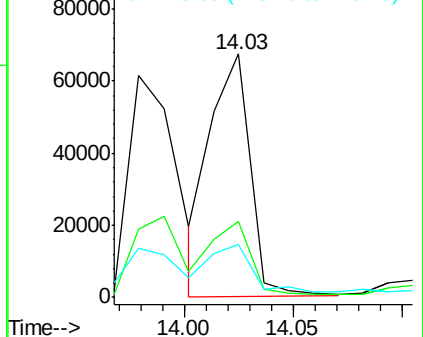
229 21.6 15.7 23.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 4.24 ng

RT: 16.80 min Scan# 1270

Delta R.T. -0.05 min

Lab File: BF085645.D

Acq: 22 Mar 2016 4:21

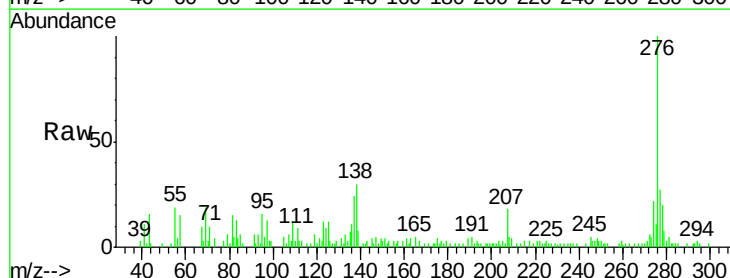
Tgt Ion:276 Resp: 43191

Ion Ratio Lower Upper

276 100

138 24.3 24.2 36.4

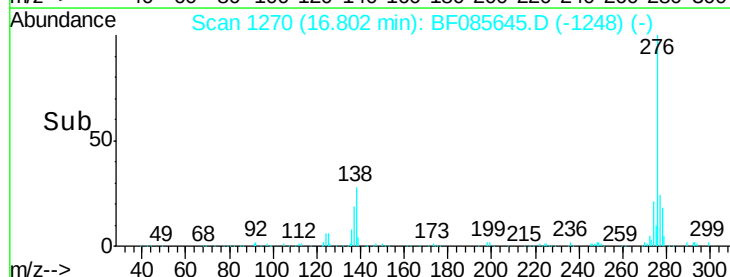
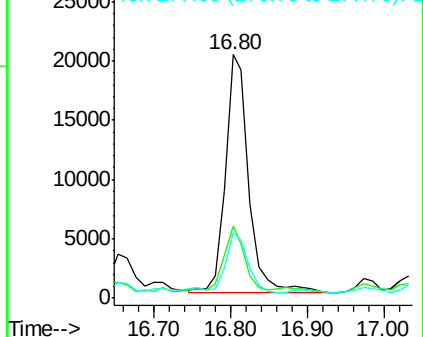
277 25.3 20.0 30.0

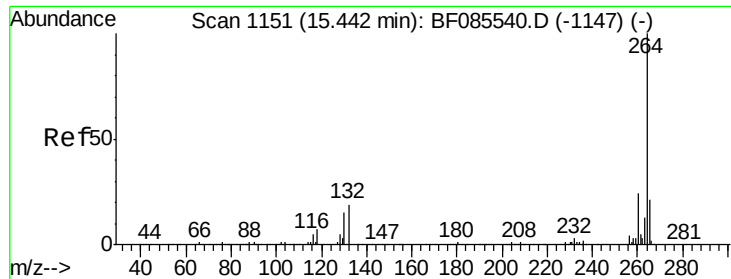


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



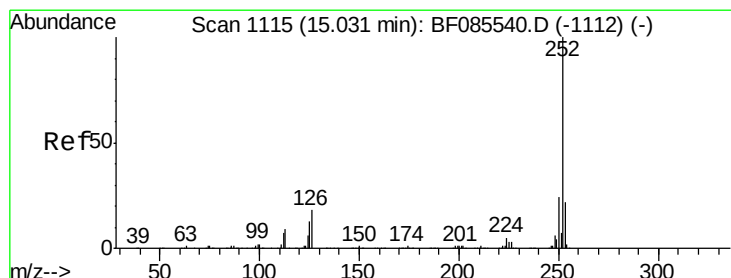
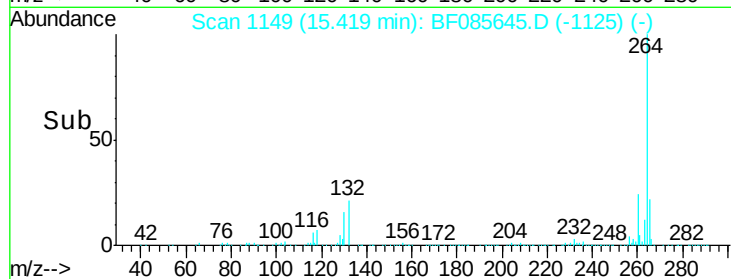
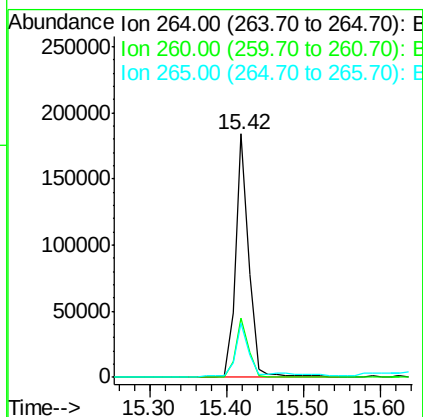
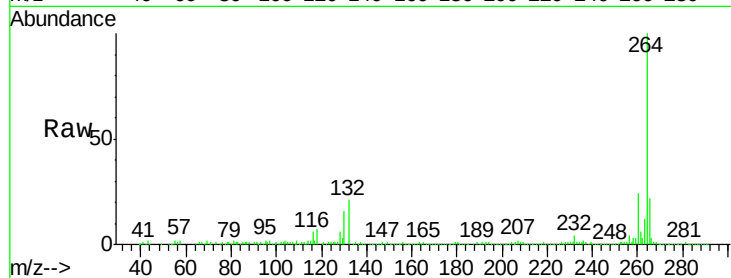


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.42 min Scan# 1149
Delta R.T. -0.02 min
Lab File: BF085645.D
Acq: 22 Mar 2016 4:21

Instrument :
BNA_F
ClientSampleId :
PJ-SB-11-1.5-2.0

Tgt Ion: 264 Resp: 226583

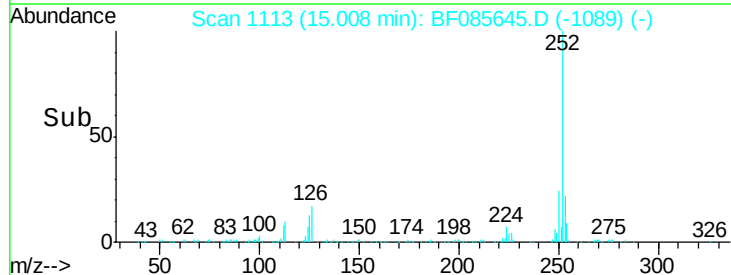
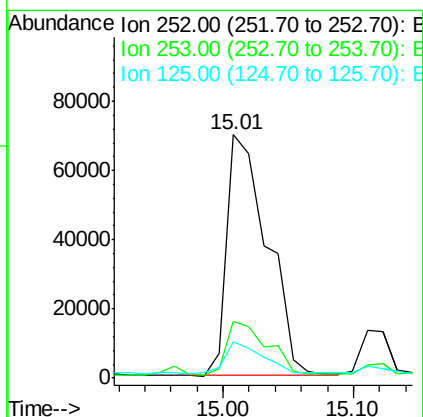
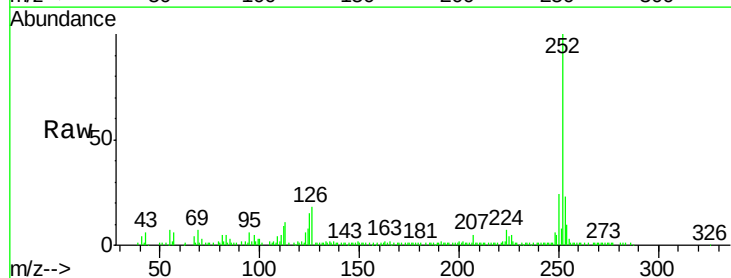
Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.4	29.2
265	22.3	17.2	25.8

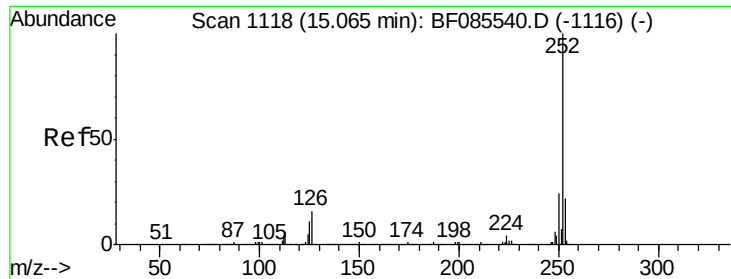


#87
Benzo(b)fluoranthene
Concen: 10.19 ng
RT: 15.01 min Scan# 1113
Delta R.T. -0.02 min
Lab File: BF085645.D
Acq: 22 Mar 2016 4:21

Tgt Ion: 252 Resp: 150725

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.6	26.4
125	15.1	10.3	15.5

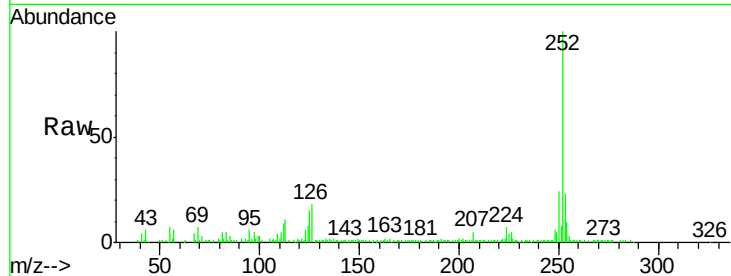




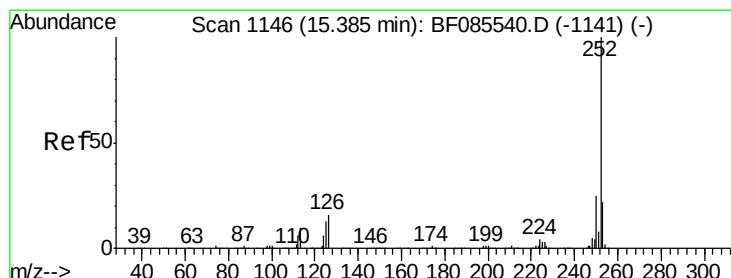
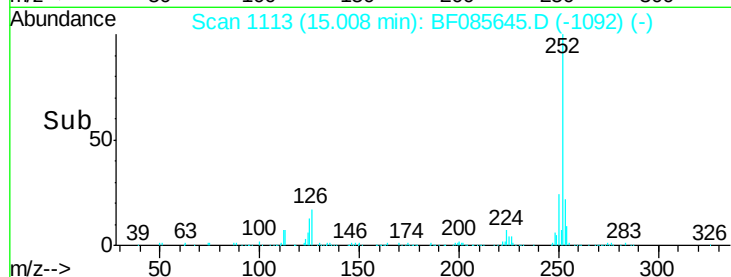
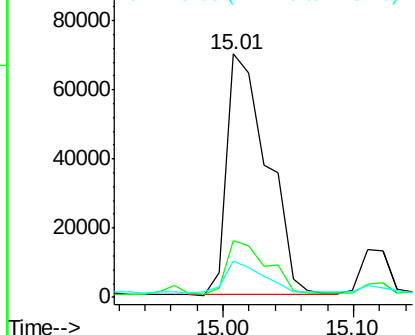
#88
Benzo(k)fluoranthene
Concen: 12.37 ng
RT: 15.01 min Scan# 1113
Delta R.T. -0.06 min
Lab File: BF085645.D
Acq: 22 Mar 2016 4:21

Instrument :
BNA_F
ClientSampleId :
PJ-SB-11-1.5-2.0

Tgt Ion:252 Resp: 150725
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.6
125 15.1 7.7 11.5#

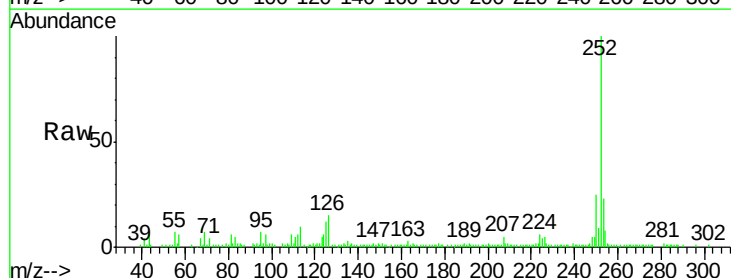


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

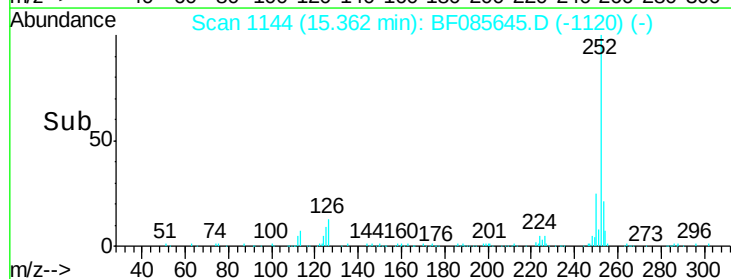
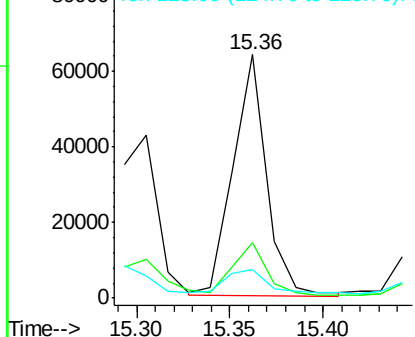


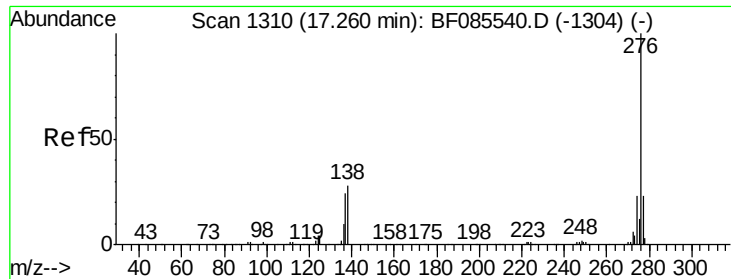
#89
Benzo(a)pyrene
Concen: 6.40 ng
RT: 15.36 min Scan# 1144
Delta R.T. -0.02 min
Lab File: BF085645.D
Acq: 22 Mar 2016 4:21

Tgt Ion:252 Resp: 80168
Ion Ratio Lower Upper
252 100
253 22.7 17.4 26.0
125 11.8 10.3 15.5



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: 3.98 ng
 RT: 17.23 min Scan# 1307
 Delta R.T. -0.03 min
 Lab File: BF085645.D
 Acq: 22 Mar 2016 4:21

Instrument :
 BNA_F
 ClientSampleId :
 PJ-SB-11-1.5-2.0

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.6	18.8	28.2
138	27.1	22.6	34.0

