

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032216\
 Data File : BF085686.D
 Acq On : 23 Mar 2016 5:04
 Operator : UM/SJ
 Sample : H1886-03
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-6

Quant Time: Mar 23 05:41:23 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

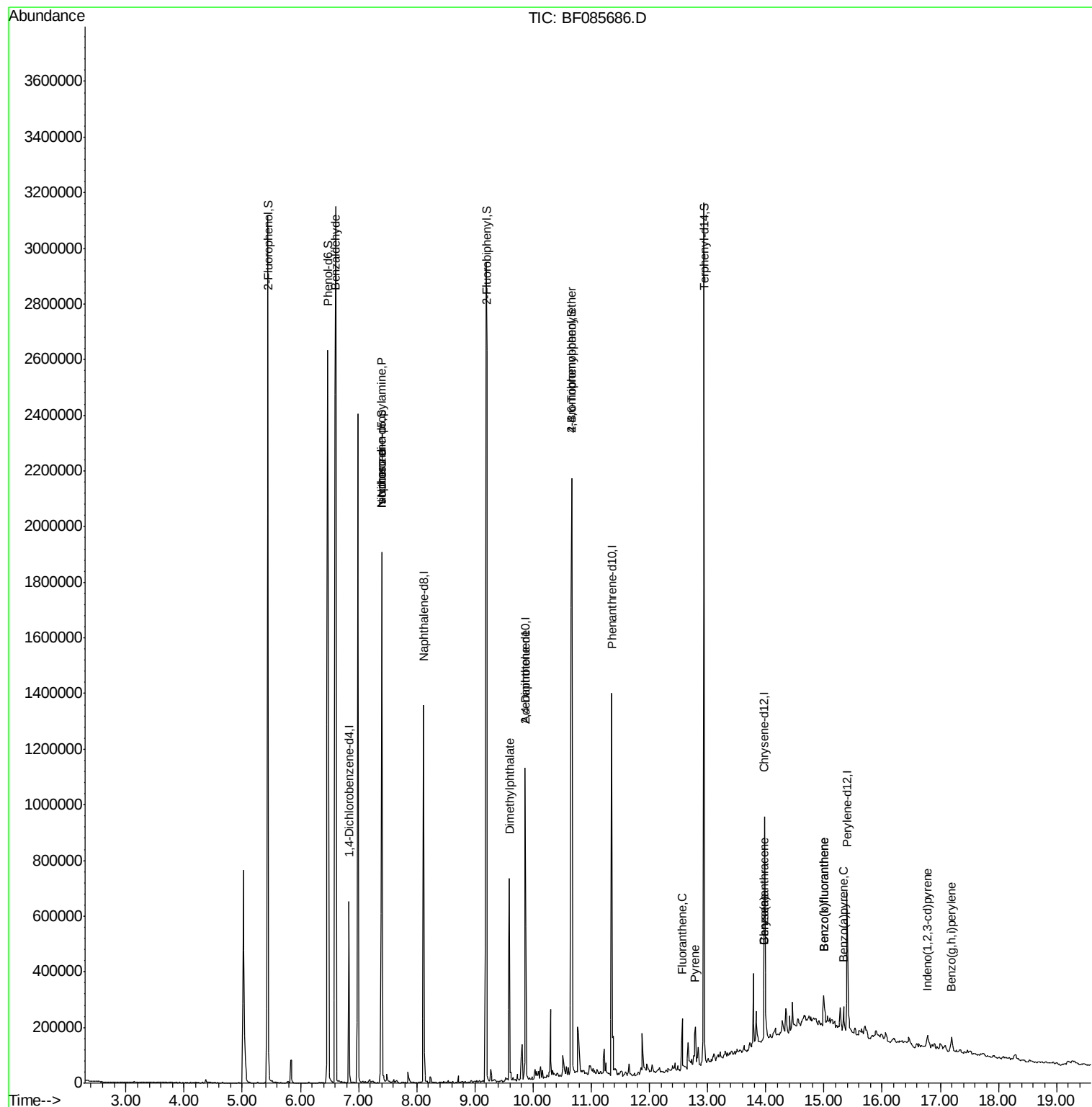
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	137435	20.00	ng	-0.02
21) Naphthalene-d8	8.12	136	578084	20.00	ng	-0.02
38) Acenaphthene-d10	9.86	164	249139	20.00	ng	-0.03
63) Phenanthrene-d10	11.35	188	456575	20.00	ng	-0.03
75) Chrysene-d12	13.98	240	262352	20.00	ng	-0.03
86) Perylene-d12	15.40	264	244166	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	1165589	142.45	ng	-0.01
7) Phenol-d6	6.47	99	1497248	142.67	ng	-0.02
23) Nitrobenzene-d5	7.40	82	991362	99.54	ng	-0.03
41) 2,4,6-Tribromophenol	10.66	330	421159	172.57	ng	-0.02
44) 2-Fluorobiphenyl	9.20	172	1462019	106.97	ng	-0.02
78) Terphenyl-d14	12.94	244	1144590	104.98	ng	-0.02
Target Compounds						Qvalue
9) Benzaldehyde	6.61	77	26476	3.06	ng	94
19) n-Nitroso-di-n-propylamine	7.40	70	128601	20.51	ng	# 78
25) Isophorone	7.40	82	838460	42.05	ng	# 68
49) Dimethylphthalate	9.59	163	312350	16.61	ng	99
56) 2,4-Dinitrotoluene	9.86	165	32725	6.30	ng	# 37
66) 4-Bromophenyl-phenylether	10.66	248	26697	5.85	ng	# 1
74) Fluoranthene	12.56	202	84524	3.35	ng	89
77) Pyrene	12.79	202	76572	4.06	ng	97
80) Benzo(a)anthracene	13.97	228	43505	2.86	ng	97
82) Chrysene	13.97	228	43505	2.97	ng	96
85) Indeno(1,2,3-cd)pyrene	16.78	276	29903	2.44	ng	96
87) Benzo(b)fluoranthene	15.00	252	72501	4.55	ng	96
88) Benzo(k)fluoranthene	15.00	252	72501	5.52	ng	# 94
89) Benzo(a)pyrene	15.34	252	38418	2.84	ng	# 94
91) Benzo(g,h,i)perylene	17.19	276	34471	3.16	ng	97

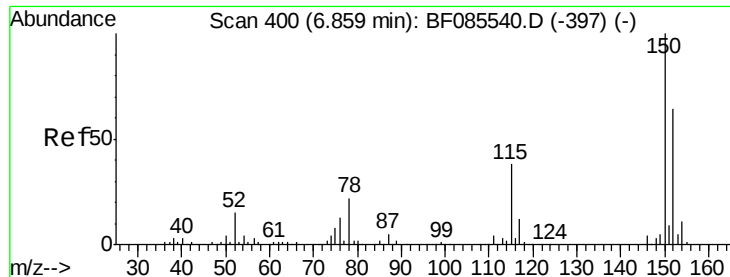
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF085686.D

Acq: 23 Mar 2016 5:04

Instrument :

BNA_F

ClientSampleId :

SP-6

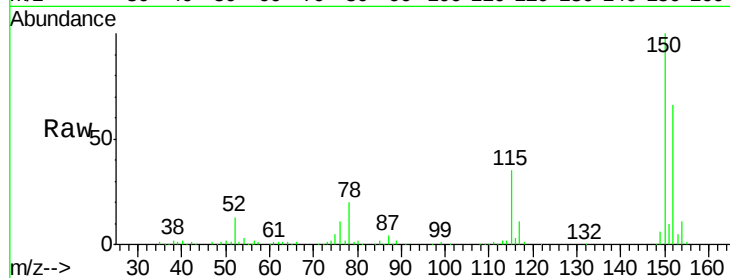
Tgt Ion:152 Resp: 137435

Ion Ratio Lower Upper

152 100

150 152.3 124.2 186.2

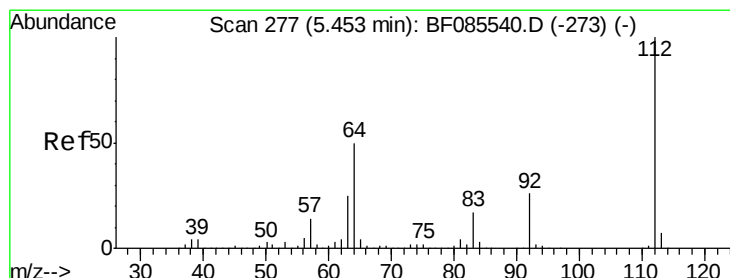
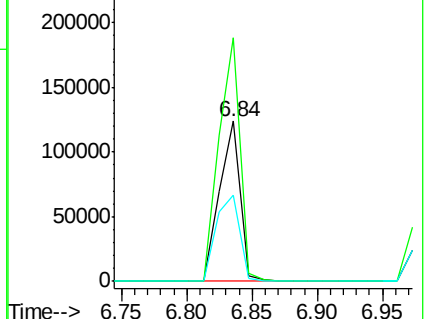
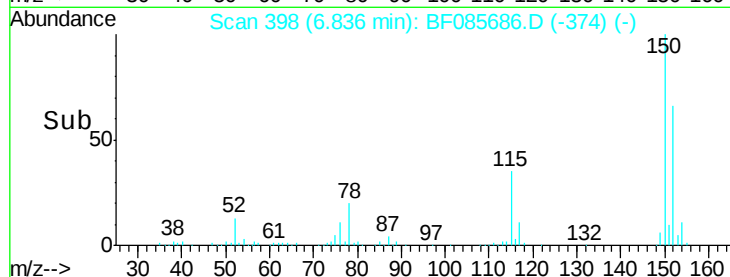
115 53.9 47.0 70.6



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: 142.45 ng

RT: 5.44 min Scan# 276

Delta R.T. -0.01 min

Lab File: BF085686.D

Acq: 23 Mar 2016 5:04

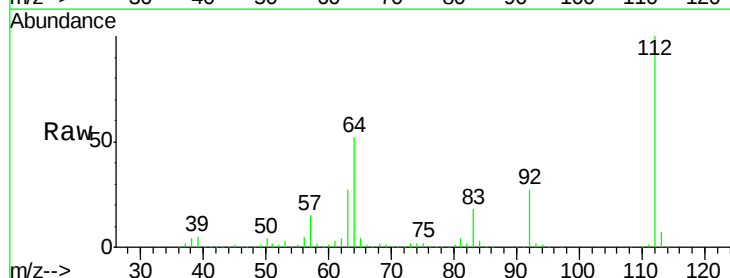
Tgt Ion:112 Resp: 1165589

Ion Ratio Lower Upper

112 100

64 52.0 39.9 59.9

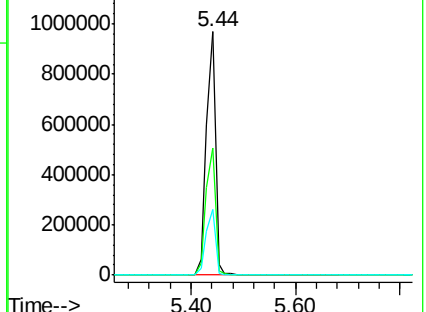
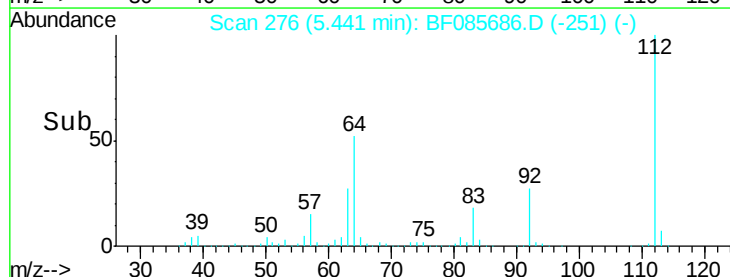
63 26.7 20.2 30.2



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: 142.67 ng

RT: 6.47 min Scan# 366

Delta R.T. -0.02 min

Lab File: BF085686.D

Acq: 23 Mar 2016 5:04

Instrument :

BNA_F

ClientSampleId :

SP-6

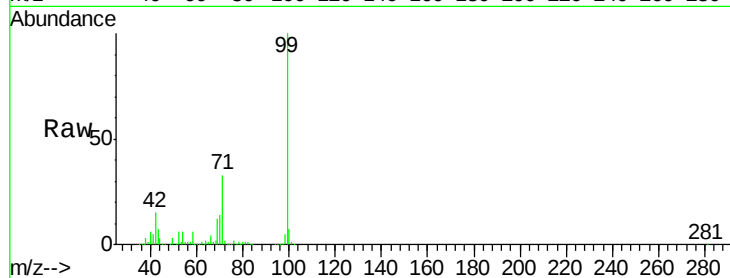
Tgt Ion: 99 Resp: 1497248

Ion Ratio Lower Upper

99 100

42 15.1 11.1 16.7

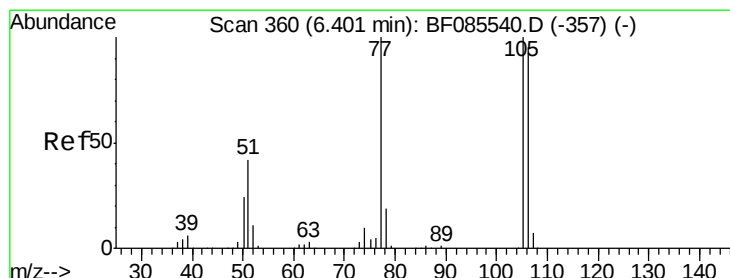
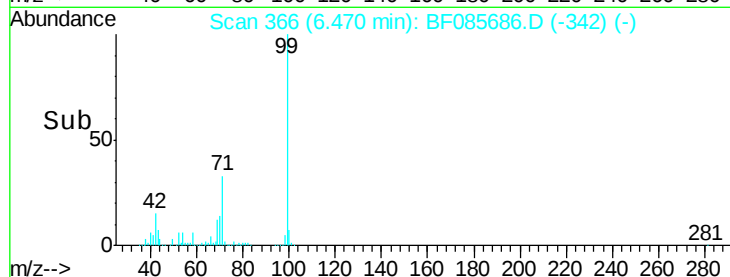
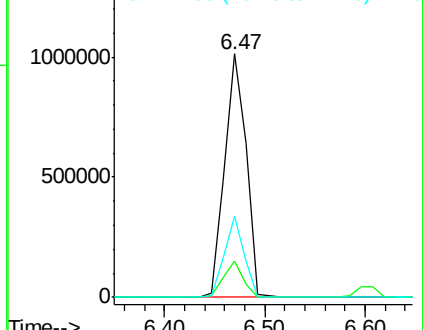
71 33.4 24.9 37.3



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



#9

Benzaldehyde

Concen: 3.06 ng

RT: 6.61 min Scan# 378

Delta R.T. 0.21 min

Lab File: BF085686.D

Acq: 23 Mar 2016 5:04

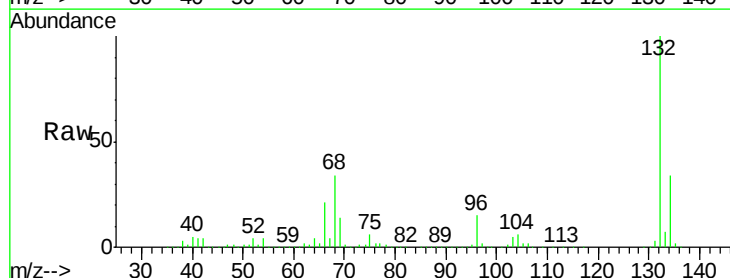
Tgt Ion: 77 Resp: 26476

Ion Ratio Lower Upper

77 100

105 91.3 80.1 120.1

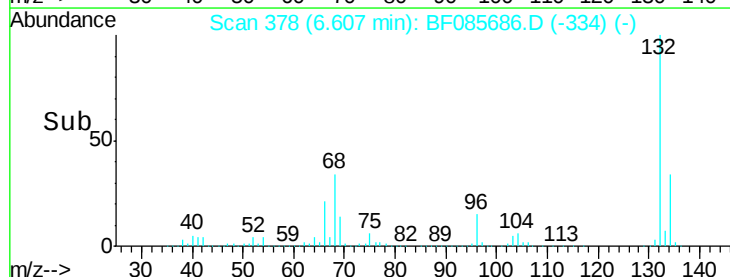
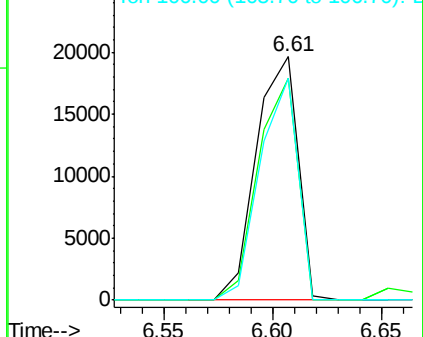
106 91.1 75.0 115.0

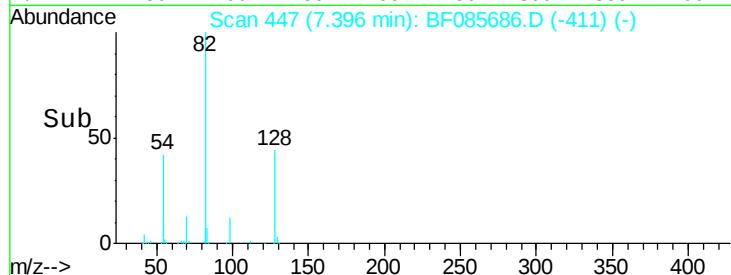
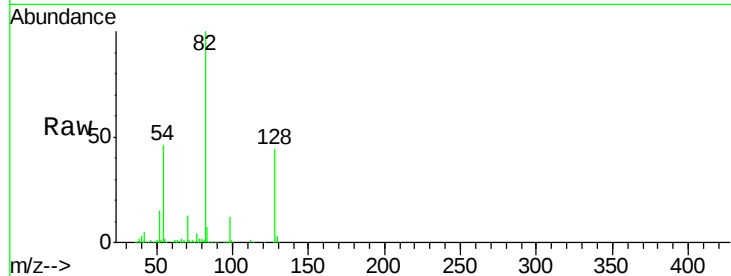
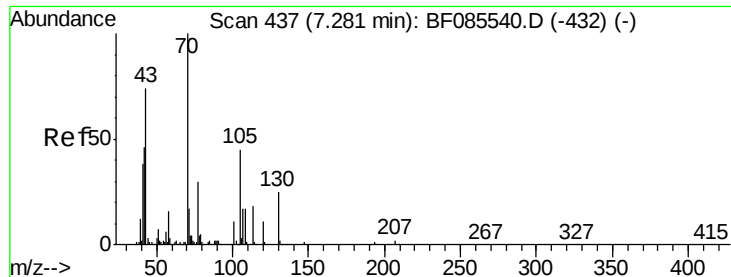


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

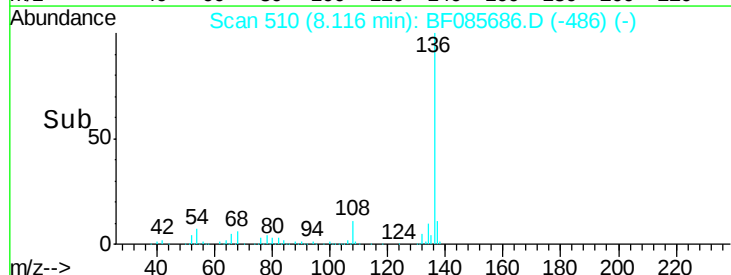
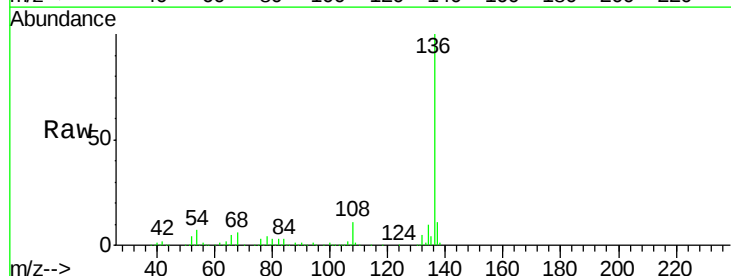
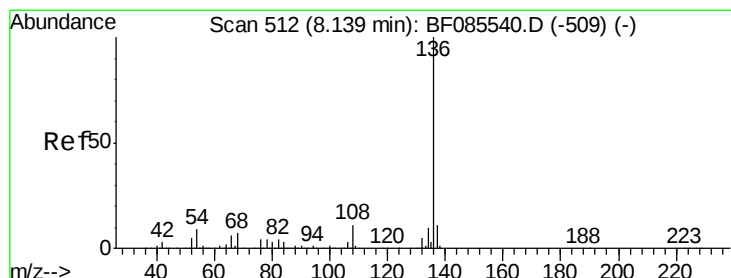
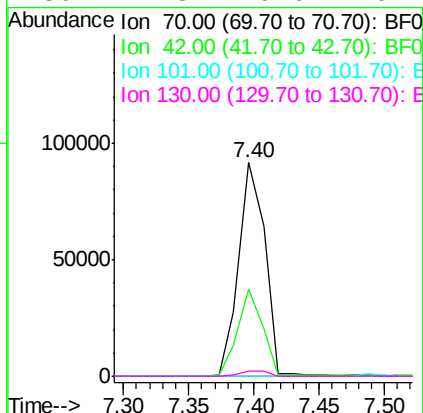




#19
n-Nitroso-di-n-propylamine
Concen: 20.51 ng
RT: 7.40 min Scan# 447
Delta R.T. 0.11 min
Lab File: BF085686.D
Acq: 23 Mar 2016 5:04

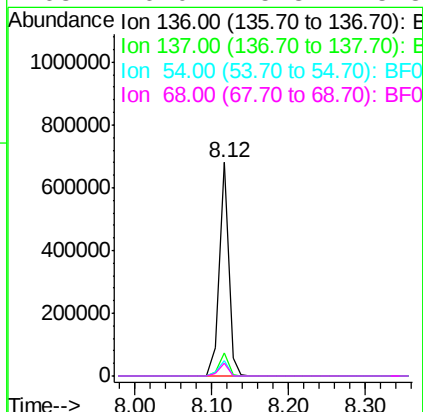
Instrument :
BNA_F
ClientSampleId :
SP-6

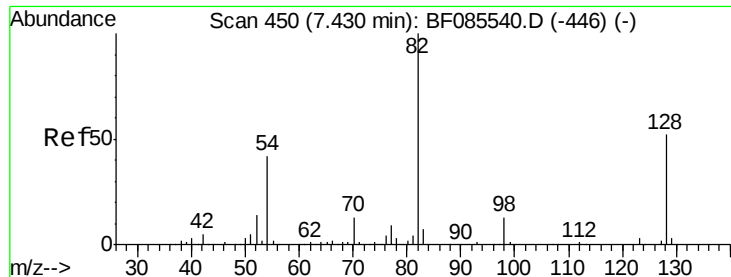
Tgt Ion: 70 Resp: 128601
Ion Ratio Lower Upper
70 100
42 40.8 37.1 55.7
101 0.0 8.6 12.8#
130 2.3 19.6 29.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 510
Delta R.T. -0.02 min
Lab File: BF085686.D
Acq: 23 Mar 2016 5:04

Tgt Ion: 136 Resp: 578084
Ion Ratio Lower Upper
136 100
137 11.0 9.1 13.7
54 6.9 7.4 11.0#
68 6.0 5.8 8.8

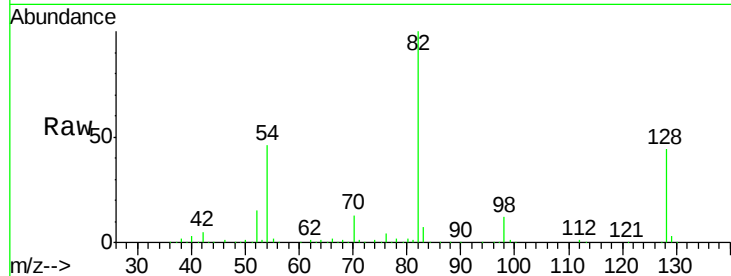




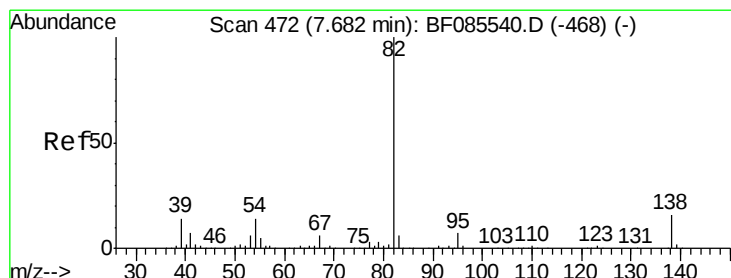
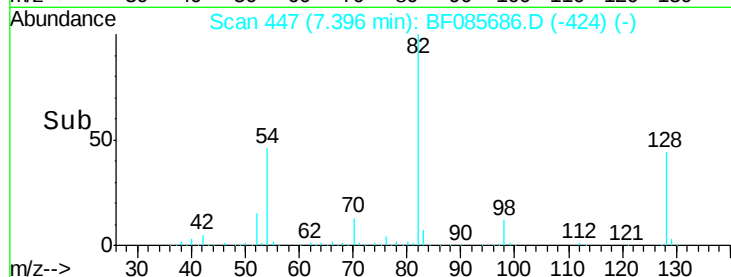
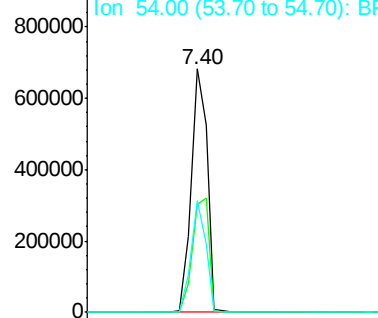
#23
Nitrobenzene-d5
Concen: 99.54 ng
RT: 7.40 min Scan# 447
Delta R.T. -0.03 min
Lab File: BF085686.D
Acq: 23 Mar 2016 5:04

Instrument :
BNA_F
ClientSampleId :
SP-6

Tgt Ion: 82 Resp: 991362
Ion Ratio Lower Upper
82 100
128 44.1 41.8 62.8
54 45.9 33.4 50.0

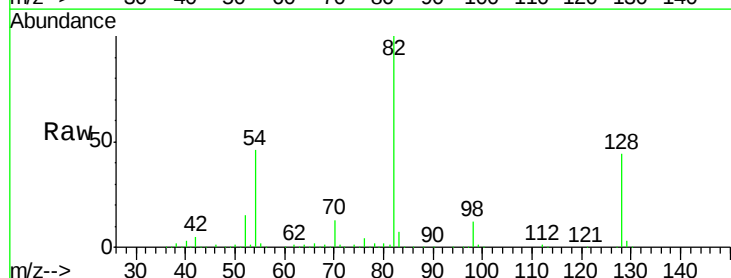


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

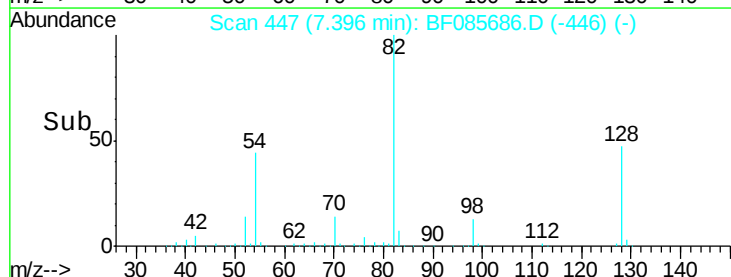
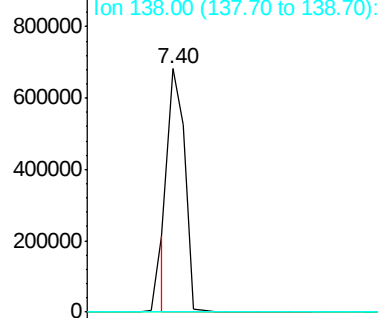


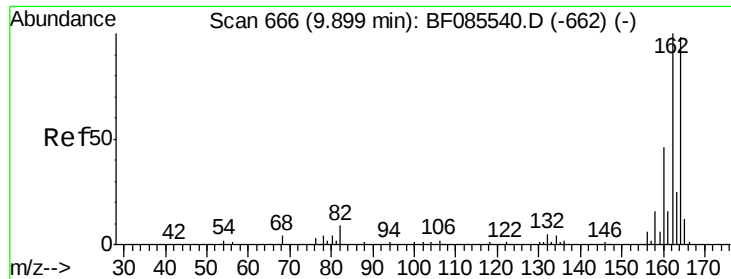
#25
Isophorone
Concen: 42.05 ng
RT: 7.40 min Scan# 447
Delta R.T. -0.29 min
Lab File: BF085686.D
Acq: 23 Mar 2016 5:04

Tgt Ion: 82 Resp: 838460
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): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0

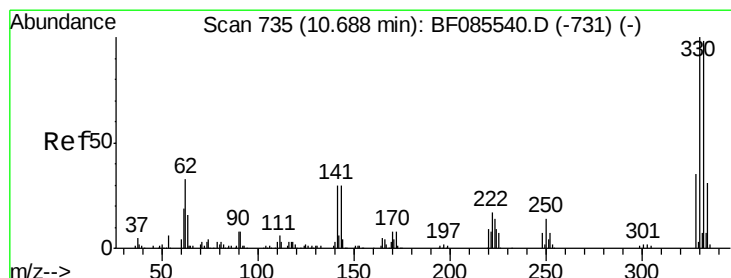
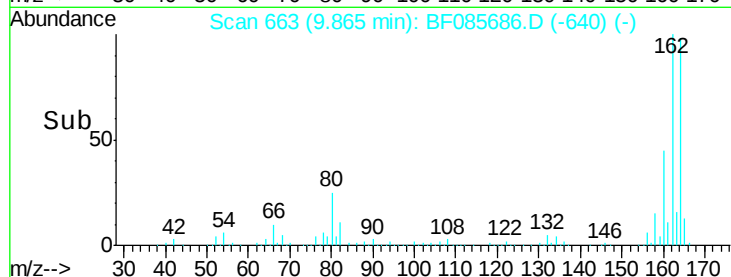
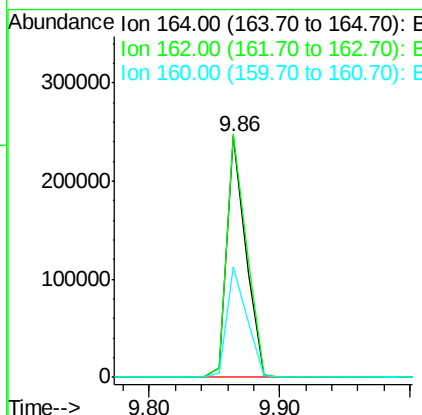
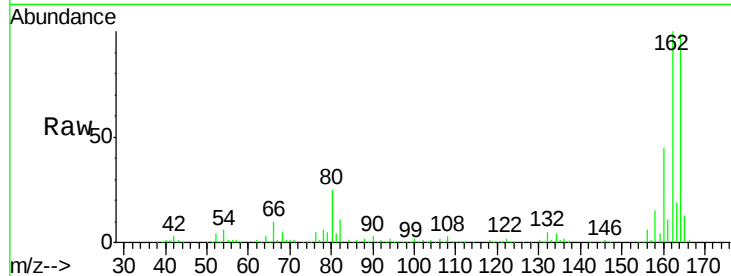




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.86 min Scan# 663
 Delta R.T. -0.03 min
 Lab File: BF085686.D
 Acq: 23 Mar 2016 5:04

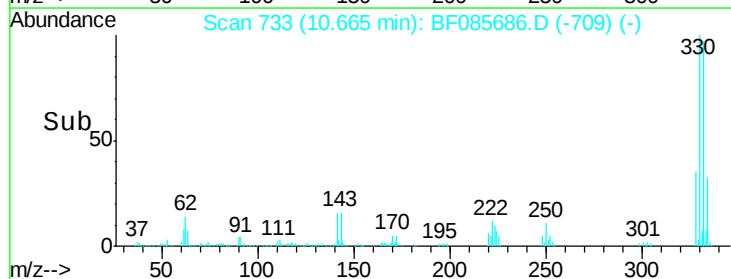
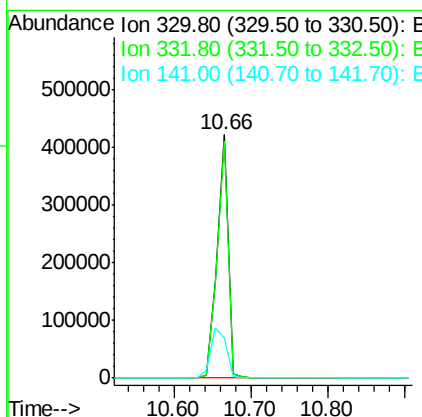
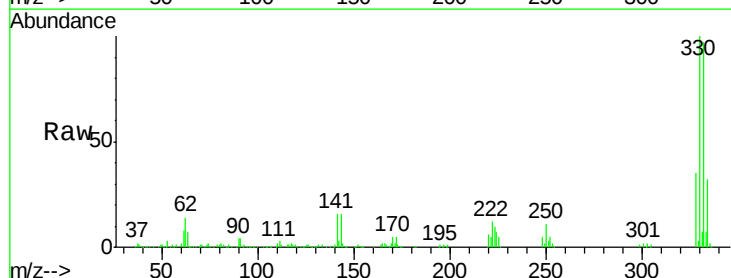
Instrument :
 BNA_F
 ClientSampleId :
 SP-6

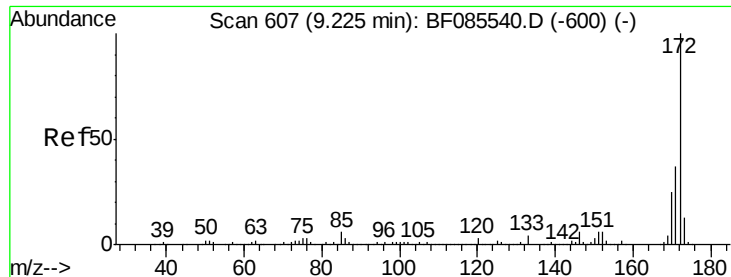
Tgt Ion:164 Resp: 249139
 Ion Ratio Lower Upper
 164 100
 162 101.2 82.1 123.1
 160 45.9 37.4 56.2



#41
 2,4,6-Tribromophenol
 Concen: 172.57 ng
 RT: 10.66 min Scan# 733
 Delta R.T. -0.02 min
 Lab File: BF085686.D
 Acq: 23 Mar 2016 5:04

Tgt Ion:330 Resp: 421159
 Ion Ratio Lower Upper
 330 100
 332 97.4 78.2 117.2
 141 28.9 31.5 47.3#

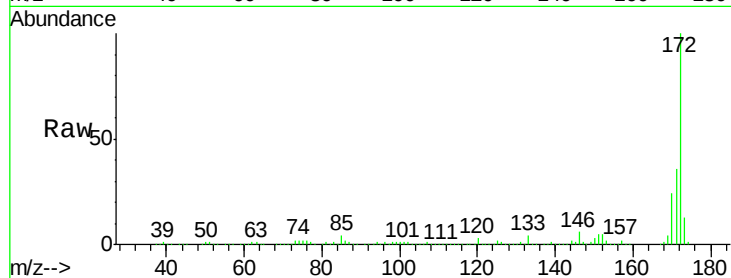




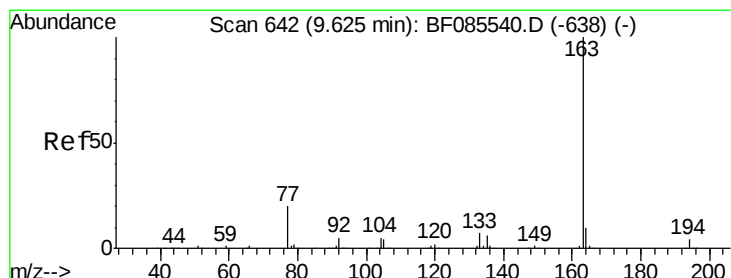
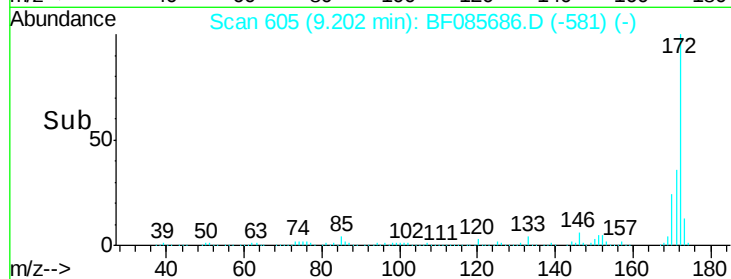
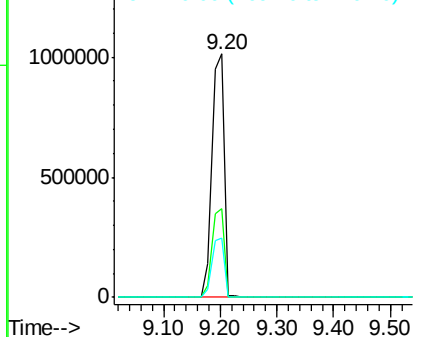
#44
 2-Fluorobiphenyl
 Concen: 106.97 ng
 RT: 9.20 min Scan# 605
 Delta R.T. -0.02 min
 Lab File: BF085686.D
 Acq: 23 Mar 2016 5:04

Instrument :
 BNA_F
 ClientSampled :
 SP-6

Tgt Ion:172 Resp: 1462019
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.4 44.2
 170 24.4 19.8 29.6

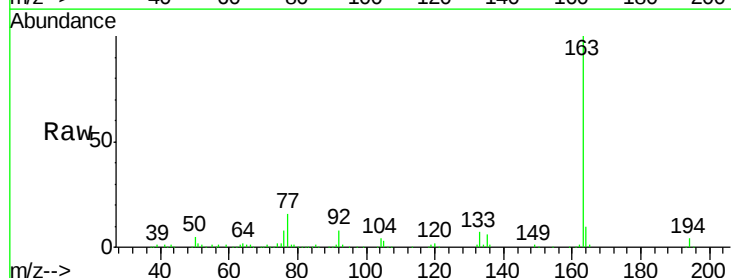


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

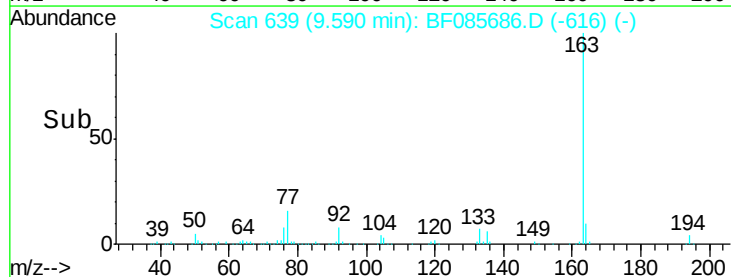
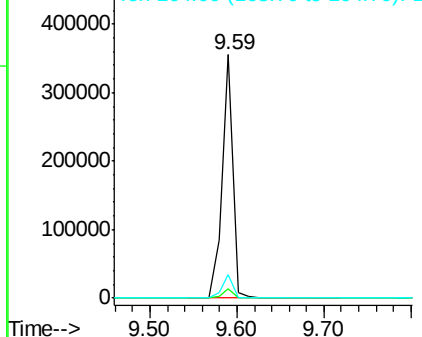


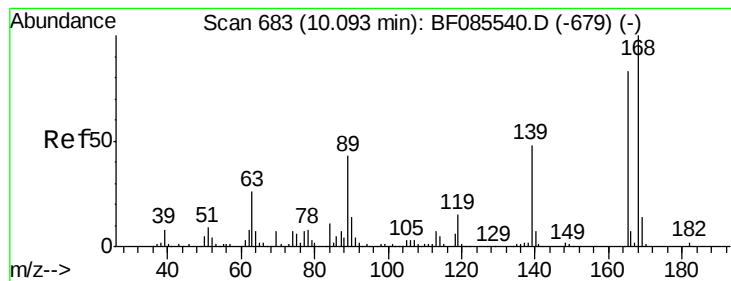
#49
 Dimethylphthalate
 Concen: 16.61 ng
 RT: 9.59 min Scan# 639
 Delta R.T. -0.03 min
 Lab File: BF085686.D
 Acq: 23 Mar 2016 5:04

Tgt Ion:163 Resp: 312350
 Ion Ratio Lower Upper
 163 100
 194 3.7 2.9 4.3
 164 9.9 8.3 12.5



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: 6.30 ng

RT: 9.86 min Scan# 663

Delta R.T. -0.23 min

Lab File: BF085686.D

Acq: 23 Mar 2016 5:04

Instrument :

BNA_F

ClientSampleId :

SP-6

Tgt Ion:165 Resp: 32725

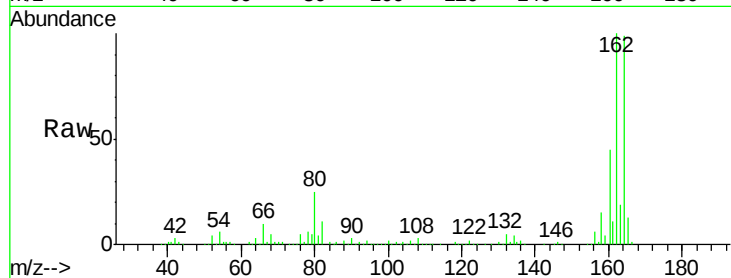
Ion Ratio Lower Upper

165 100

63 1.0 24.9 37.3#

89 1.5 41.0 61.6#

182 0.0 2.1 3.1#

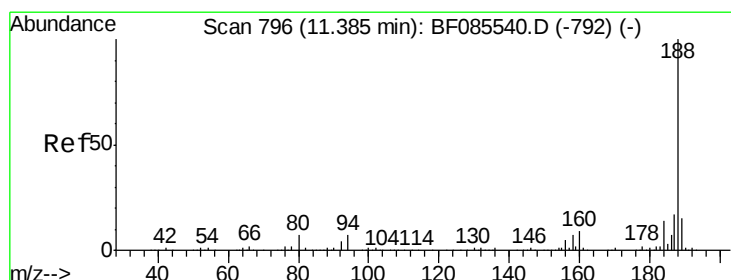
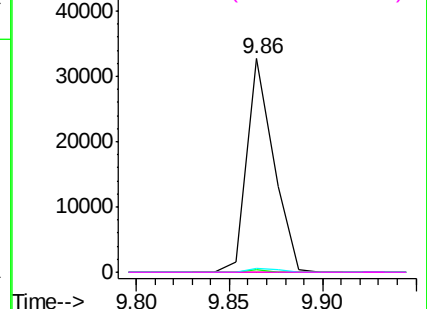
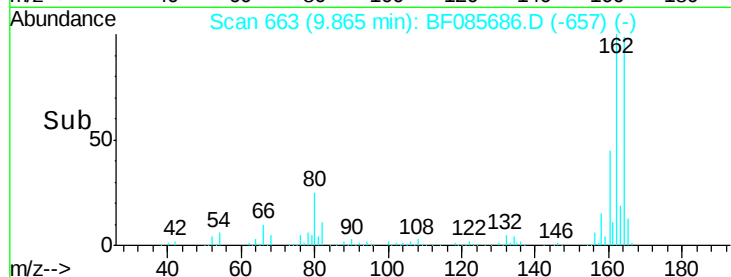


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.35 min Scan# 793

Delta R.T. -0.03 min

Lab File: BF085686.D

Acq: 23 Mar 2016 5:04

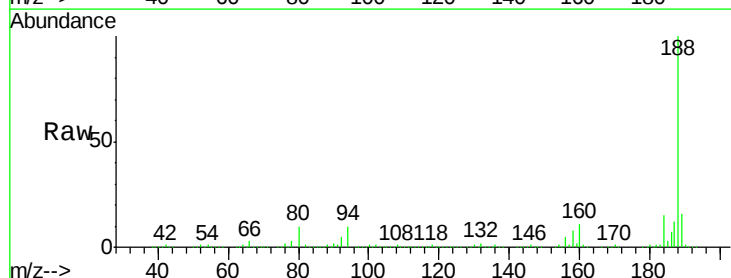
Tgt Ion:188 Resp: 456575

Ion Ratio Lower Upper

188 100

94 9.7 5.4 8.0#

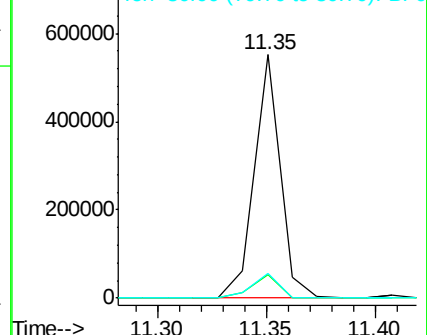
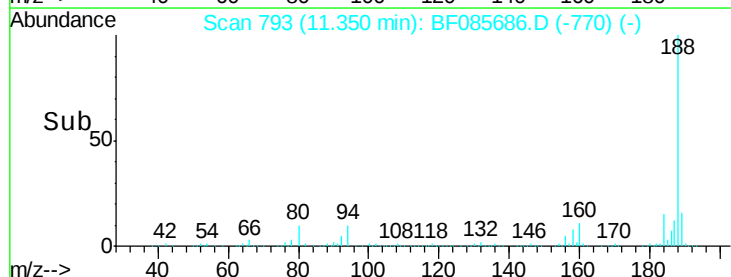
80 10.3 5.5 8.3#

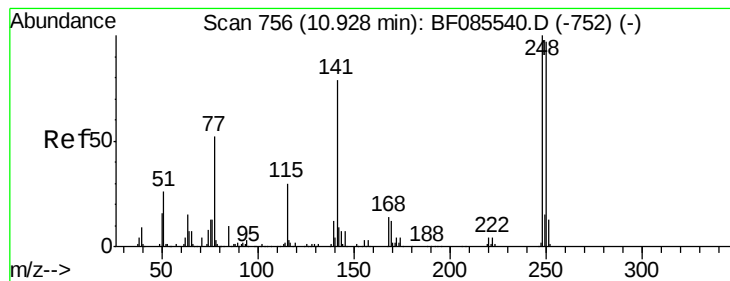


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 5.85 ng

RT: 10.66 min Scan# 733

Delta R.T. -0.26 min

Lab File: BF085686.D

Acq: 23 Mar 2016 5:04

Instrument :

BNA_F

ClientSampleId :

SP-6

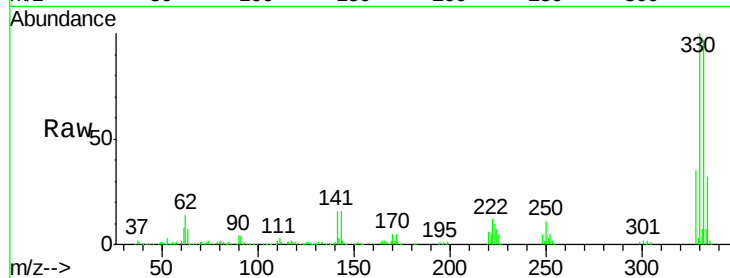
Tgt Ion:248 Resp: 26697

Ion Ratio Lower Upper

248 100

250 198.8 77.4 116.0#

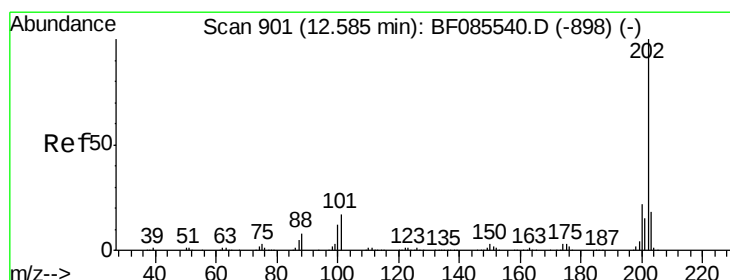
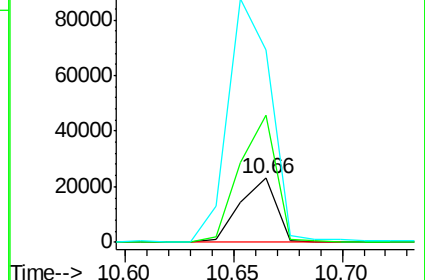
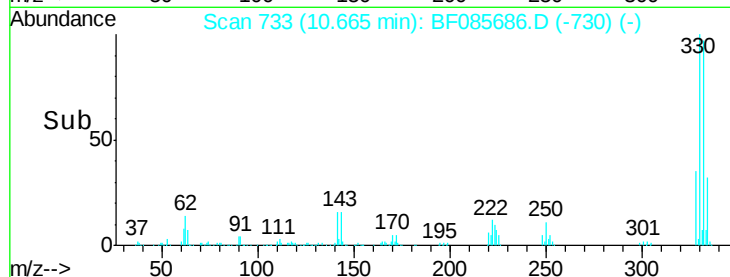
141 300.9 63.6 95.4#



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



#74

Fluoranthene

Concen: 3.35 ng

RT: 12.56 min Scan# 899

Delta R.T. -0.02 min

Lab File: BF085686.D

Acq: 23 Mar 2016 5:04

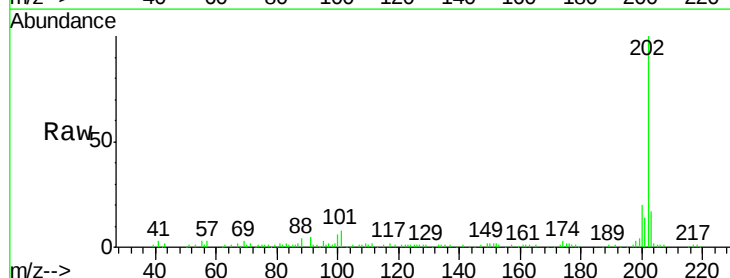
Tgt Ion:202 Resp: 84524

Ion Ratio Lower Upper

202 100

101 7.8 0.0 36.6

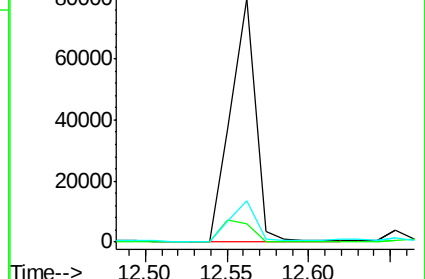
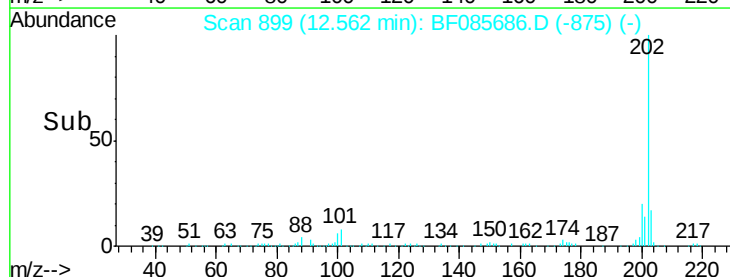
203 17.2 0.0 38.1

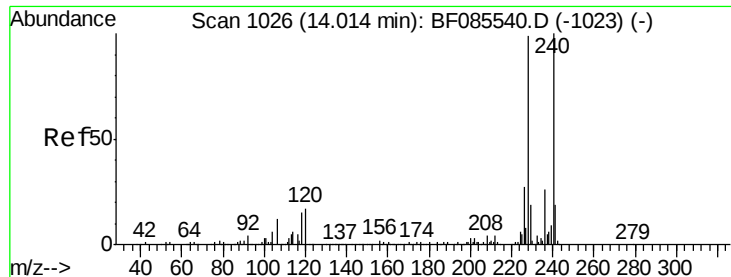


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.98 min Scan# 1023

Delta R.T. -0.03 min

Lab File: BF085686.D

Acq: 23 Mar 2016 5:04

Instrument :

BNA_F

ClientSampleId :

SP-6

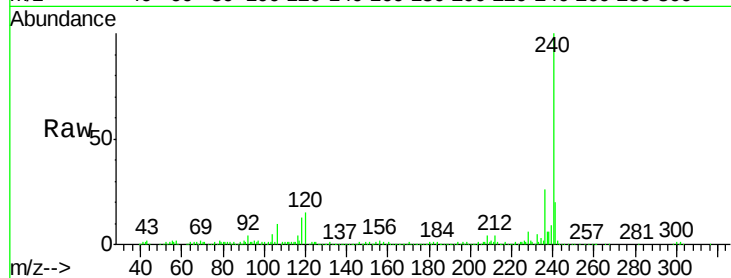
Tgt Ion:240 Resp: 262352

Ion Ratio Lower Upper

240 100

120 14.7 13.8 20.8

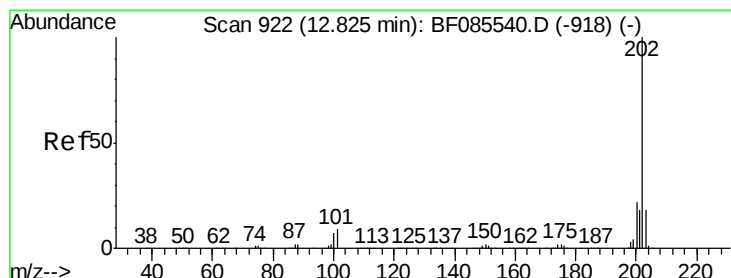
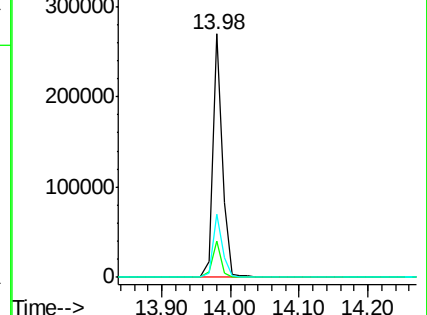
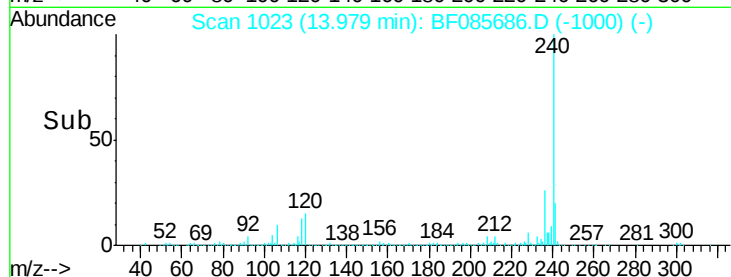
236 26.0 20.6 30.8



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: 4.06 ng

RT: 12.79 min Scan# 919

Delta R.T. -0.03 min

Lab File: BF085686.D

Acq: 23 Mar 2016 5:04

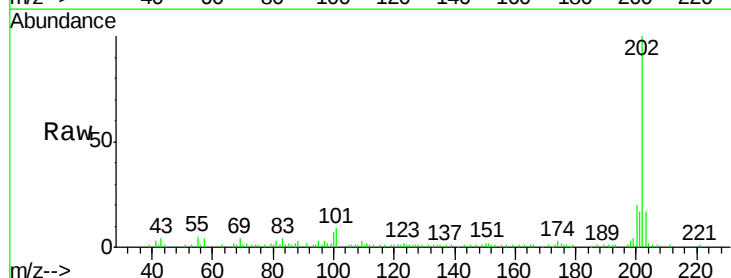
Tgt Ion:202 Resp: 76572

Ion Ratio Lower Upper

202 100

200 19.8 17.6 26.4

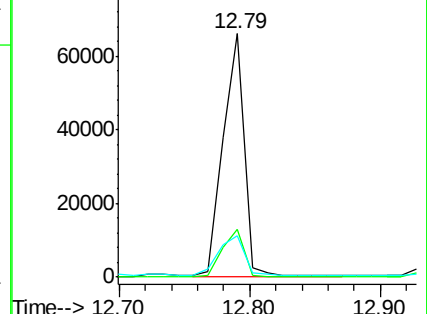
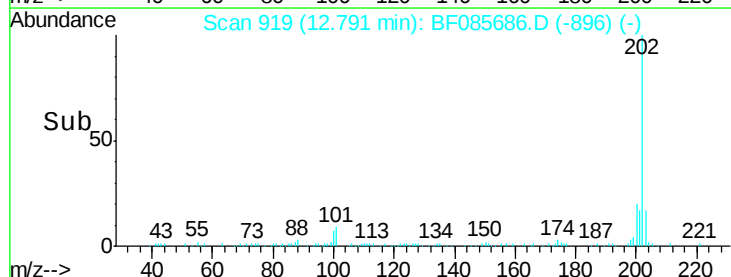
203 17.0 14.0 21.0

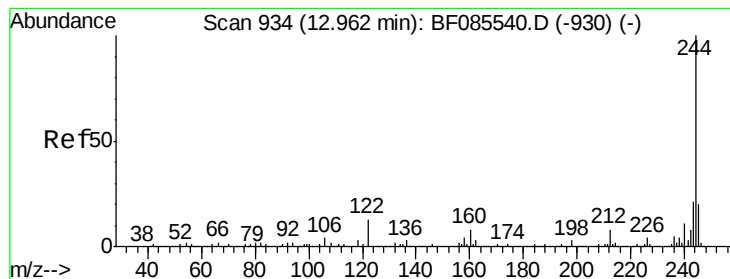


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 104.98 ng

RT: 12.94 min Scan# 932

Delta R.T. -0.02 min

Lab File: BF085686.D

Acq: 23 Mar 2016 5:04

Instrument :

BNA_F

ClientSampled :

SP-6

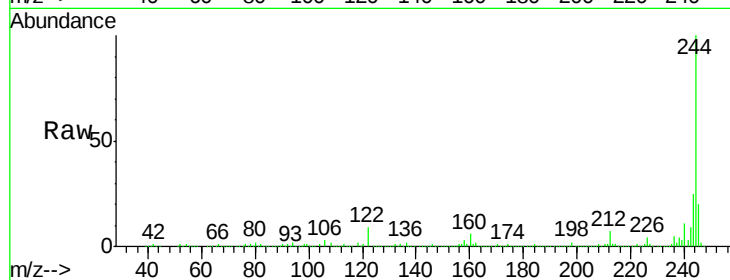
Tgt Ion:244 Resp: 1144590

Ion Ratio Lower Upper

244 100

212 6.9 6.1 9.1

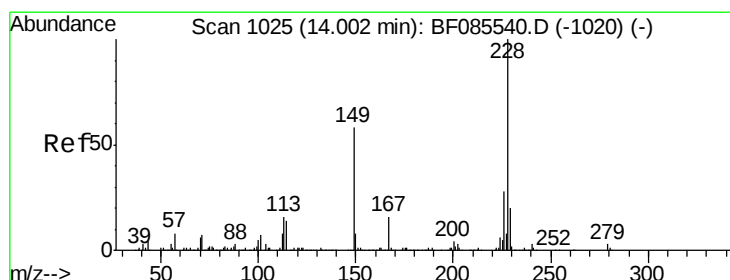
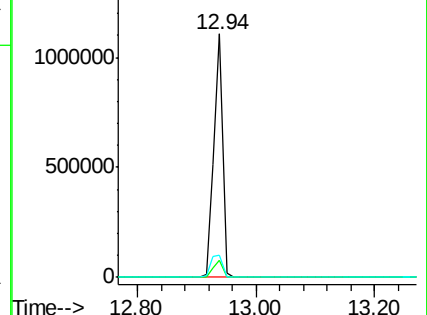
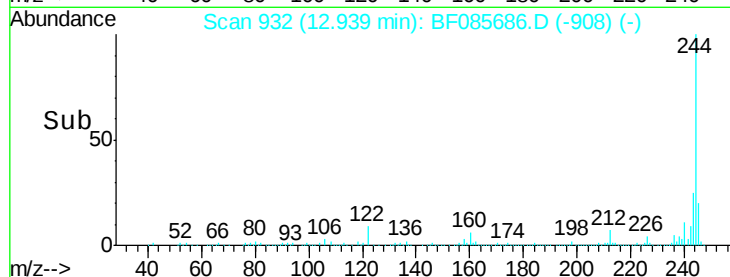
122 9.1 10.2 15.4#



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: 2.86 ng

RT: 13.97 min Scan# 1022

Delta R.T. -0.03 min

Lab File: BF085686.D

Acq: 23 Mar 2016 5:04

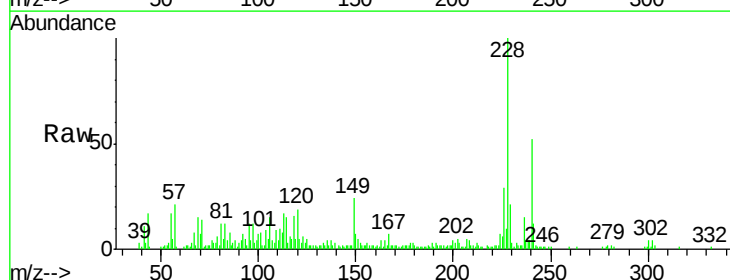
Tgt Ion:228 Resp: 43505

Ion Ratio Lower Upper

228 100

226 29.2 22.1 33.1

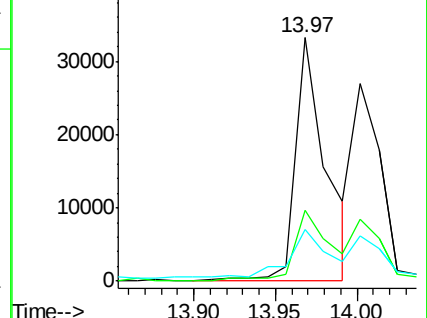
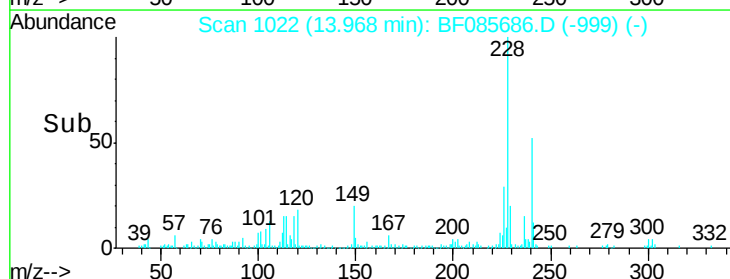
229 21.2 16.2 24.4

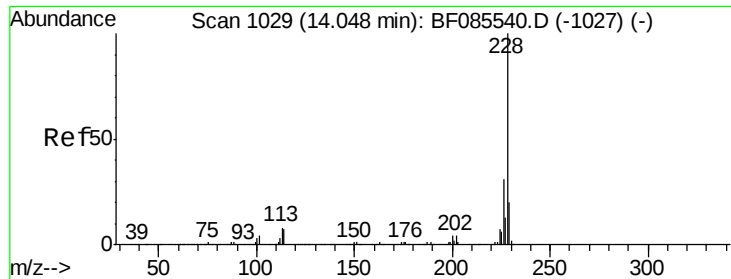


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.97 ng

RT: 13.97 min Scan# 1022

Delta R.T. -0.08 min

Lab File: BF085686.D

Acq: 23 Mar 2016 5:04

Instrument :

BNA_F

ClientSampleId :

SP-6

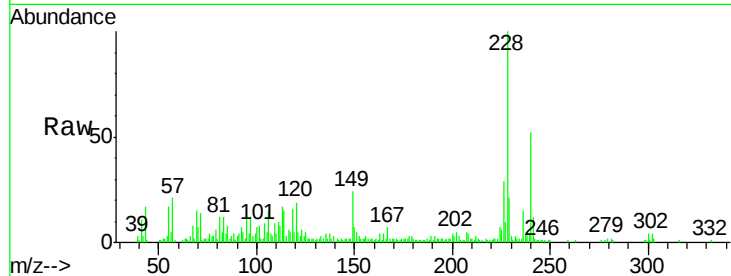
Tgt Ion:228 Resp: 43505

Ion Ratio Lower Upper

228 100

226 29.2 25.0 37.6

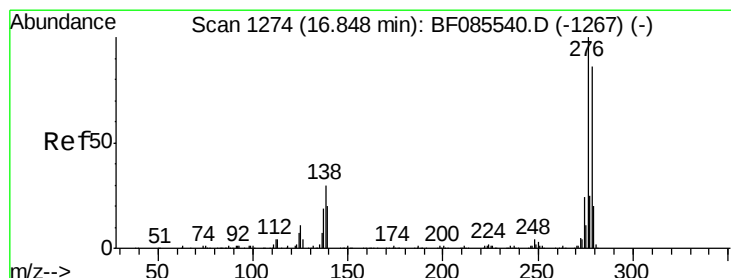
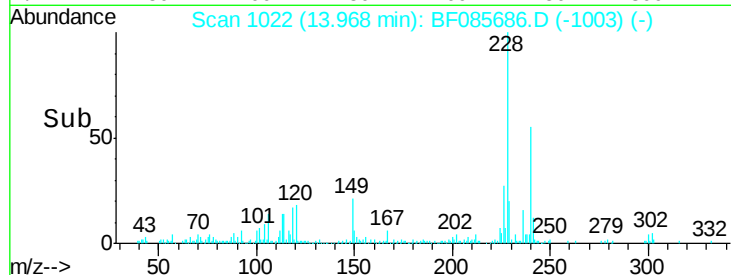
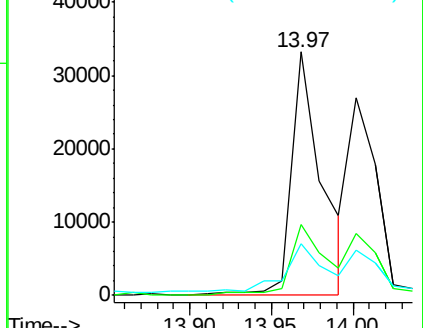
229 21.2 15.7 23.5



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: 2.44 ng

RT: 16.78 min Scan# 1268

Delta R.T. -0.07 min

Lab File: BF085686.D

Acq: 23 Mar 2016 5:04

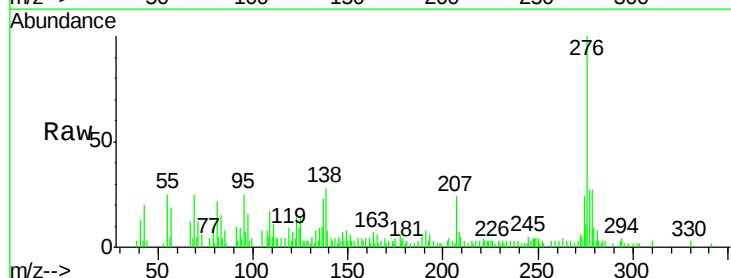
Tgt Ion:276 Resp: 29903

Ion Ratio Lower Upper

276 100

138 26.7 24.2 36.4

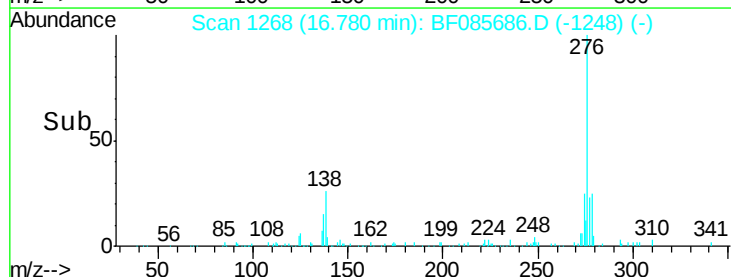
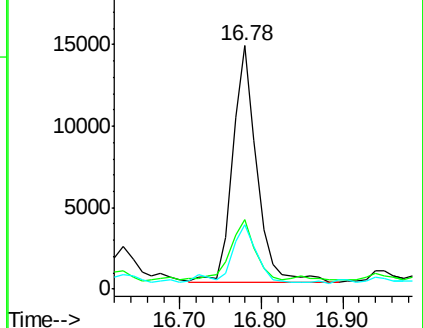
277 25.1 20.0 30.0

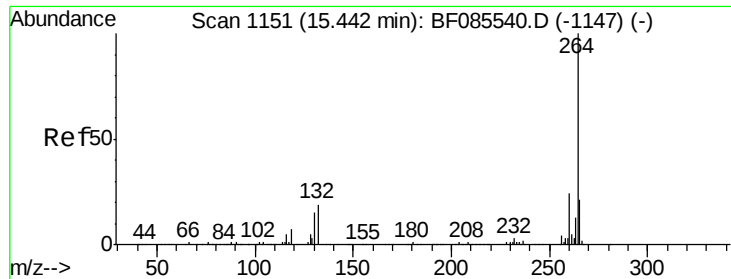


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



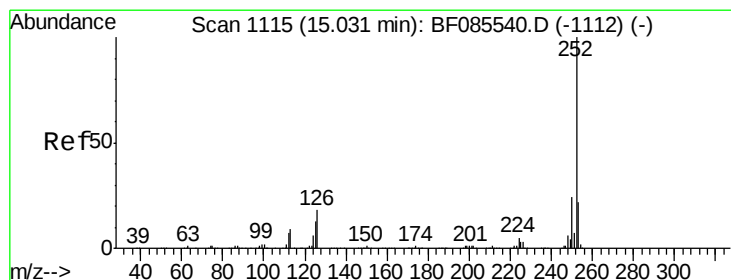
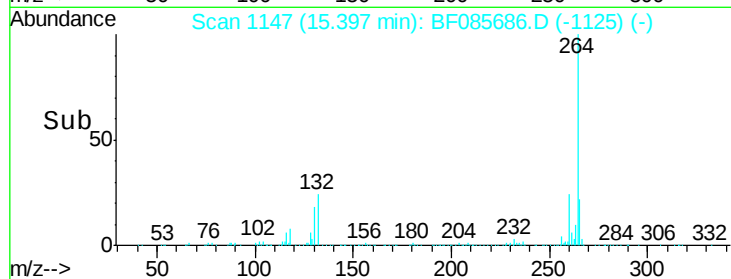
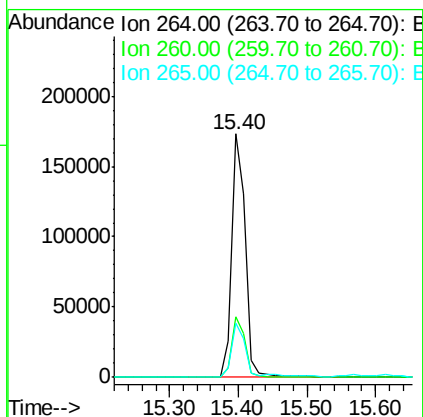
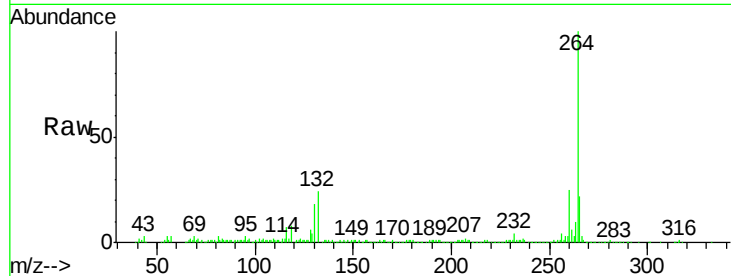


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.40 min Scan# 1147
Delta R.T. -0.05 min
Lab File: BF085686.D
Acq: 23 Mar 2016 5:04

Instrument :
BNA_F
ClientSampleId :
SP-6

Tgt Ion: 264 Resp: 244166

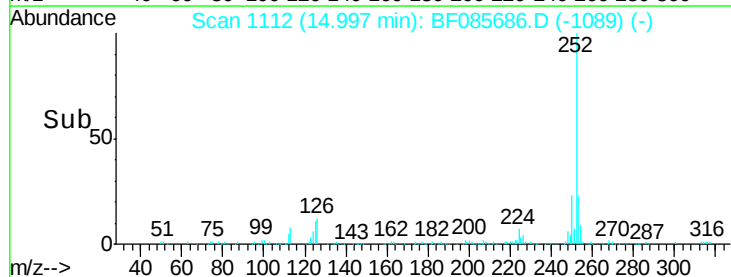
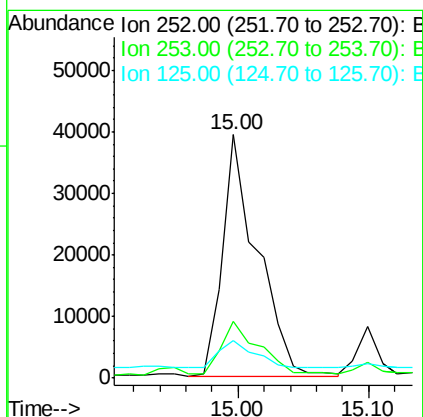
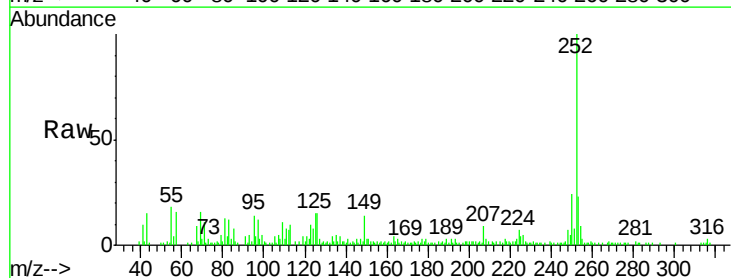
Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.4	29.2
265	22.4	17.2	25.8

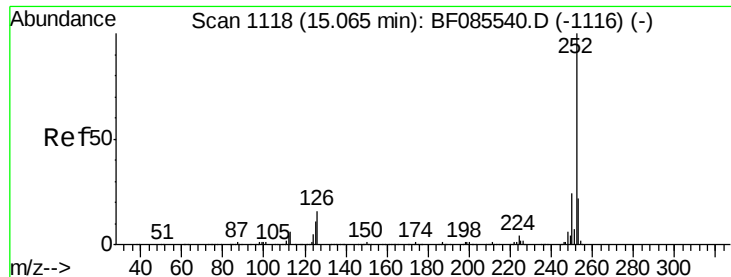


#87
Benzo(b)fluoranthene
Concen: 4.55 ng
RT: 15.00 min Scan# 1112
Delta R.T. -0.03 min
Lab File: BF085686.D
Acq: 23 Mar 2016 5:04

Tgt Ion: 252 Resp: 72501

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.6	26.4
125	15.2	10.3	15.5





#88

Benzo(k)fluoranthene

Concen: 5.52 ng

RT: 15.00 min Scan# 1112

Delta R.T. -0.07 min

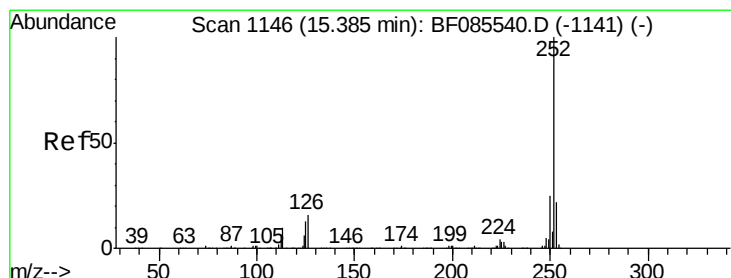
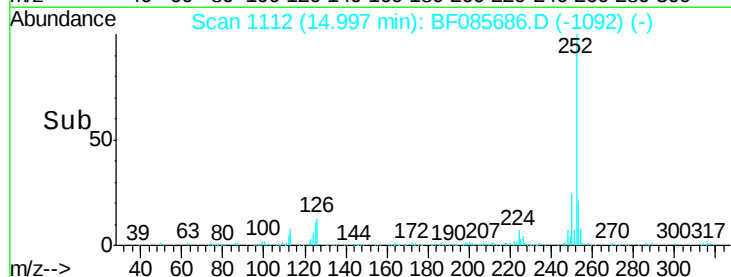
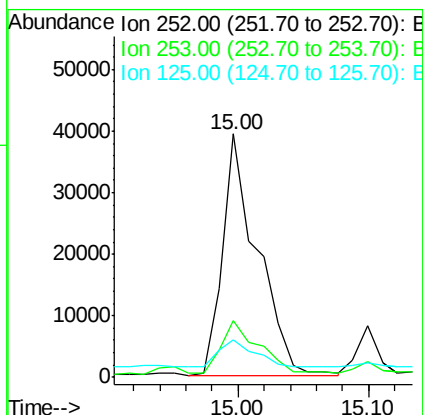
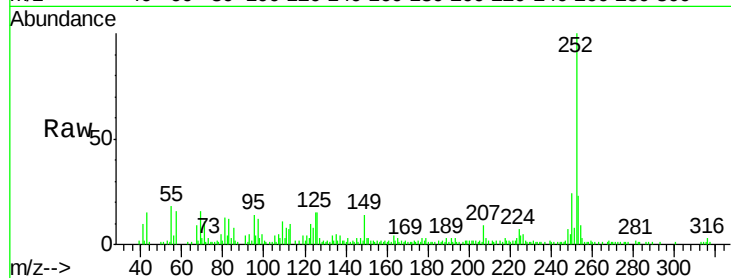
Lab File: BF085686.D

Acq: 23 Mar 2016 5:04

Instrument :
BNA_F
ClientSampleId :
SP-6

Tgt Ion: 252 Resp: 72501

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.6
125	15.2	7.7	11.5#



#89

Benzo(a)pyrene

Concen: 2.84 ng

RT: 15.34 min Scan# 1142

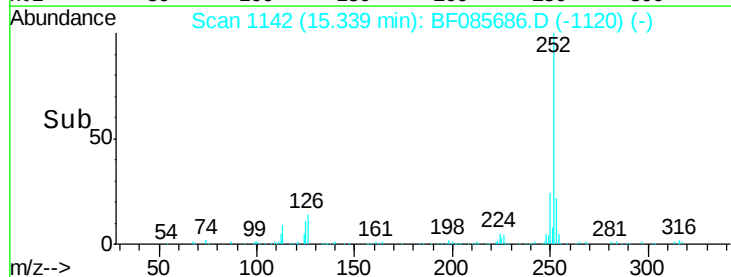
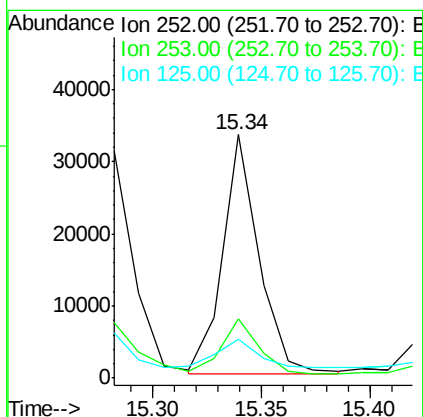
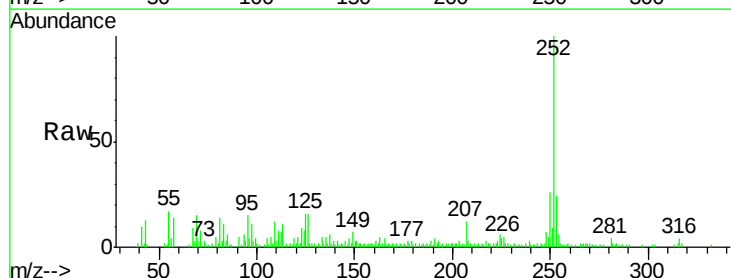
Delta R.T. -0.05 min

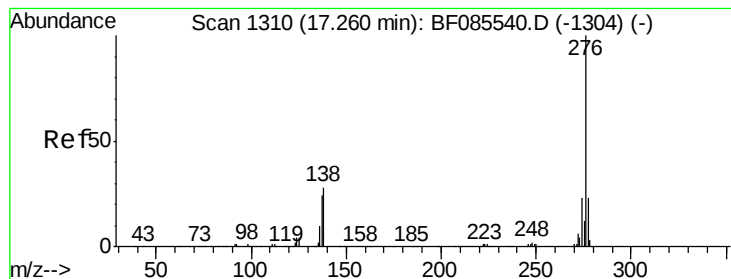
Lab File: BF085686.D

Acq: 23 Mar 2016 5:04

Tgt Ion: 252 Resp: 38418

Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.4	26.0
125	16.0	10.3	15.5#





#91

Benzo(g,h,i)perylene

Concen: 3.16 ng

RT: 17.19 min Scan# 1304

Delta R.T. -0.07 min

Lab File: BF085686.D

Acq: 23 Mar 2016 5:04

Instrument :

BNA_F

ClientSampleId :

SP-6

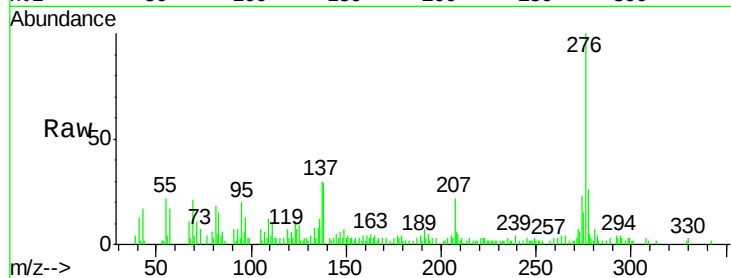
Tgt Ion: 276 Resp: 34471

Ion Ratio Lower Upper

276 100

277 25.6 18.8 28.2

138 29.1 22.6 34.0



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

