

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032516\
 Data File : BF085788.D
 Acq On : 26 Mar 2016 3:53
 Operator : UM/SJ
 Sample : H1923-04
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-PG-D(0-6)

Quant Time: Mar 26 03:33:51 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 24 14:15:39 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	110539	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	373105	20.00	ng	-0.01
38) Acenaphthene-d10	9.86	164	141531	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	220548	20.00	ng	-0.01
75) Chrysene-d12	13.98	240	236110	20.00	ng	0.00
86) Perylene-d12	15.40	264	171301	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	753302	113.50	ng	0.02
7) Phenol-d6	6.47	99	935884	110.90	ng	0.01
23) Nitrobenzene-d5	7.38	82	542553	81.89	ng	-0.01
41) 2,4,6-Tribromophenol	10.65	330	141640	105.33	ng	0.00
44) 2-Fluorobiphenyl	9.19	172	763265	90.10	ng	0.00
78) Terphenyl-d14	12.93	244	532334	46.37	ng	0.00

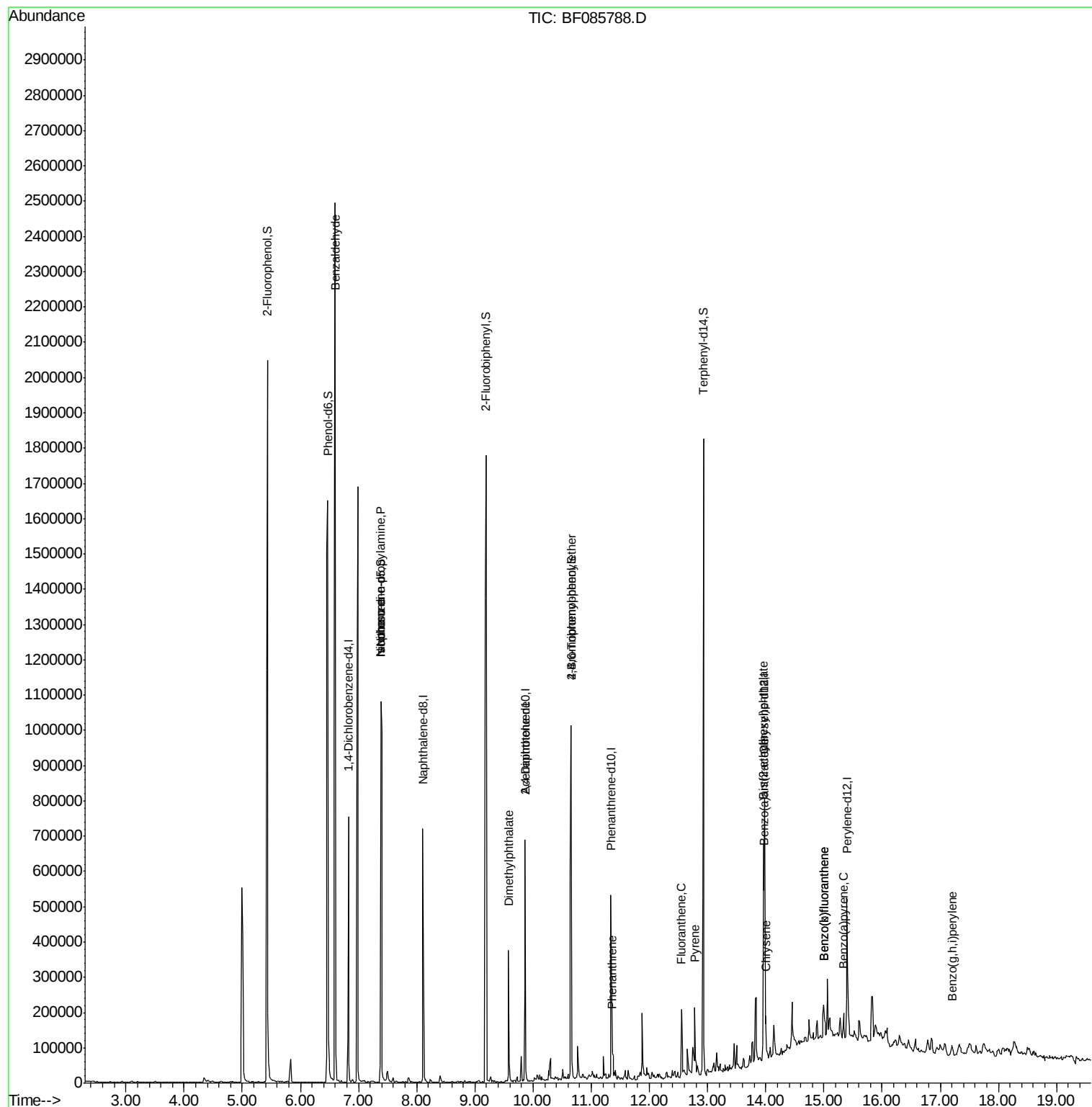
Target Compounds						Qvalue
9) Benzaldehyde	6.60	77	16677	3.28	ng	87
19) n-Nitroso-di-n-propylamine	7.38	70	68890	13.63	ng	# 81
25) Isophorone	7.38	82	526848	41.28	ng	# 68
37) 2-Methylnaphthalene	8.82	142	1114	Below Cal		# 90
49) Dimethylphthalate	9.58	163	131979	12.29	ng	# 98
56) 2,4-Dinitrotoluene	9.86	165	18130	6.17	ng	# 38
66) 4-Bromophenyl-phenylether	10.65	248	9435	4.18	ng	# 1
70) Phenanthrene	11.36	178	32100	2.83	ng	99
74) Fluoranthene	12.55	202	76118	6.32	ng	97
77) Pyrene	12.78	202	76011	3.92	ng	99
80) Benzo(a)anthracene	13.97	228	34541	2.57	ng	92
82) Chrysene	14.00	228	44786	3.30	ng	97
83) Bis(2-ethylhexyl)phthalate	13.96	149	181129	18.61	ng	99
87) Benzo(b)fluoranthene	15.00	252	70883	6.57	ng	97
88) Benzo(k)fluoranthene	15.00	252	70883	7.29	ng	# 94
89) Benzo(a)pyrene	15.34	252	29936	3.12	ng	# 94
91) Benzo(g,h,i)perylene	17.20	276	21053	2.34	ng	94

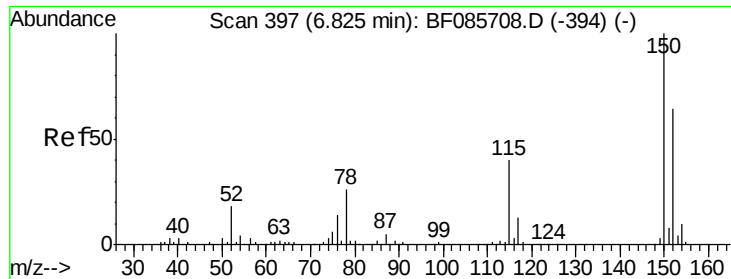
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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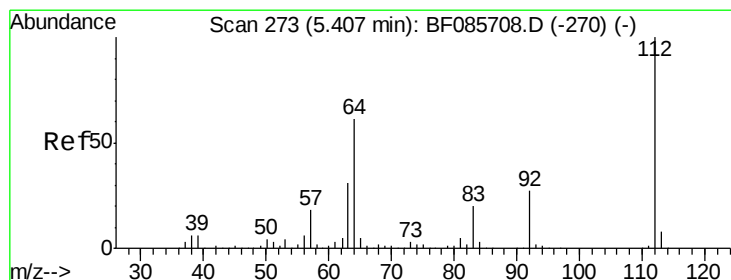
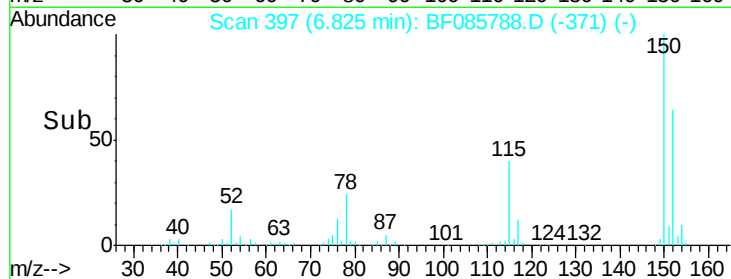
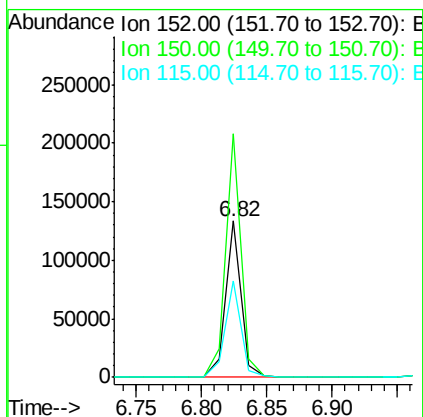
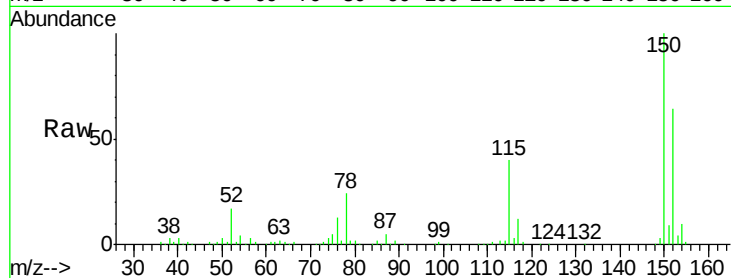




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.82 min Scan# 397
 Delta R.T. 0.00 min
 Lab File: BF085788.D
 Acq: 26 Mar 2016 3:53

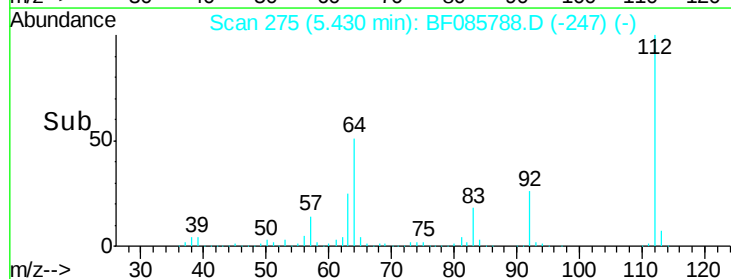
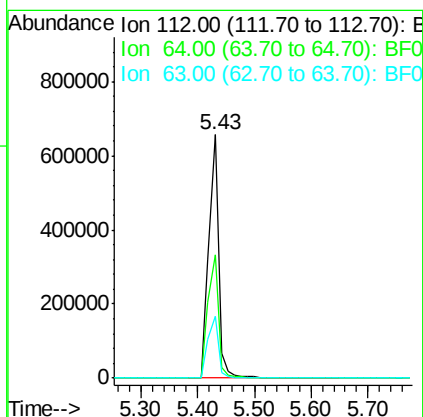
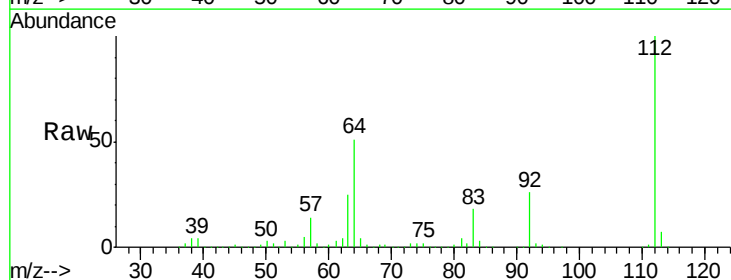
Instrument :
 BNA_F
 ClientSampleId :
 S-PG-D(0-6)

Tgt Ion:152 Resp: 110539
 Ion Ratio Lower Upper
 152 100
 150 155.8 124.2 186.2
 115 62.1 47.0 70.6



#5
 2-Fluorophenol
 Concen: 113.50 ng
 RT: 5.43 min Scan# 275
 Delta R.T. 0.02 min
 Lab File: BF085788.D
 Acq: 26 Mar 2016 3:53

Tgt Ion:112 Resp: 753302
 Ion Ratio Lower Upper
 112 100
 64 50.5 39.9 59.9
 63 25.5 20.2 30.2





#7

Phenol-d6

Concen: 110.90 ng

RT: 6.47 min Scan# 366

Delta R.T. 0.01 min

Lab File: BF085788.D

Acq: 26 Mar 2016 3:53

Instrument :

BNA_F

ClientSampleId :

S-PG-D(0-6)

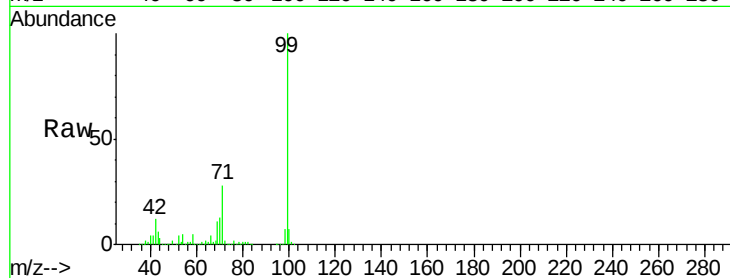
Tgt Ion: 99 Resp: 935884

Ion Ratio Lower Upper

99 100

42 11.6 11.1 16.7

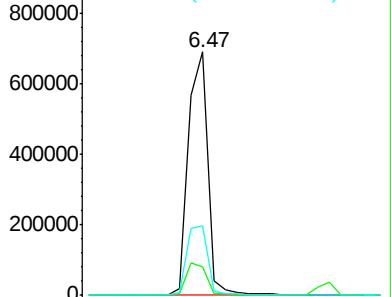
71 28.4 24.9 37.3



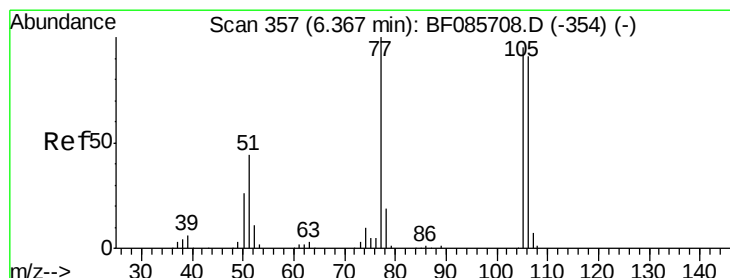
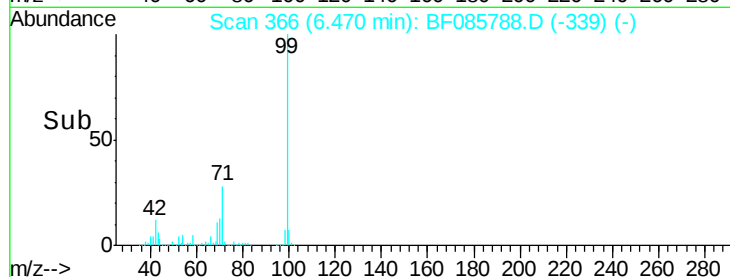
Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



Time-->



#9

Benzaldehyde

Concen: 3.28 ng

RT: 6.60 min Scan# 377

Delta R.T. 0.23 min

Lab File: BF085788.D

Acq: 26 Mar 2016 3:53

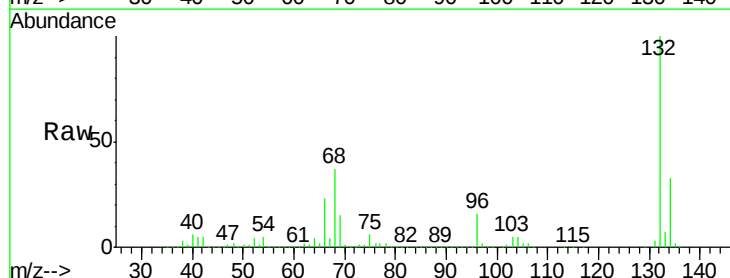
Tgt Ion: 77 Resp: 16677

Ion Ratio Lower Upper

77 100

105 87.6 80.1 120.1

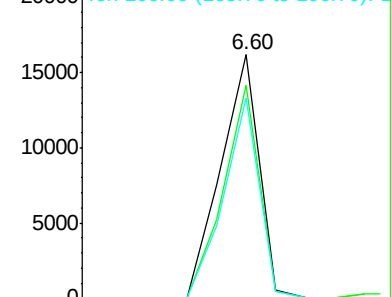
106 82.1 75.0 115.0



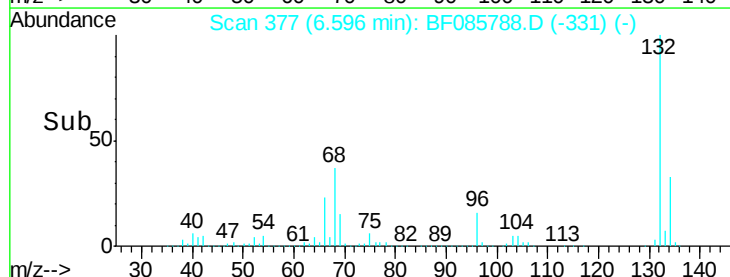
Abundance Ion 77.00 (76.70 to 77.70): BF0

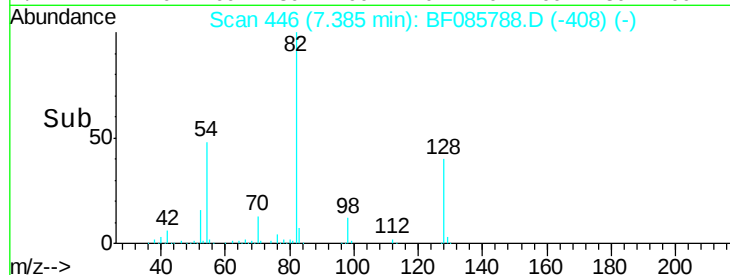
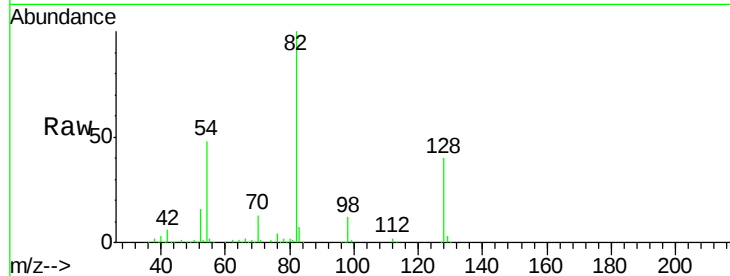
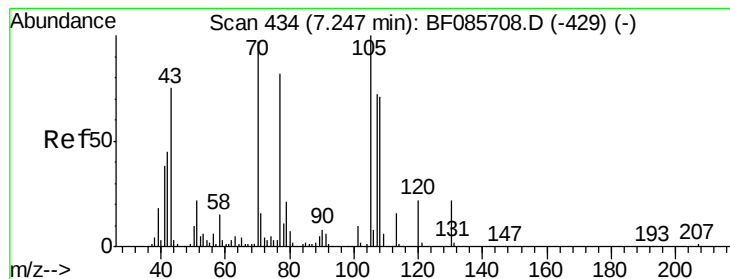
Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E



Time-->





#19

n-Nitroso-di-n-propylamine

Concen: 13.63 ng

RT: 7.38 min Scan# 446

Delta R.T. 0.14 min

Lab File: BF085788.D

Acq: 26 Mar 2016 3:53

Instrument :

BNA_F

ClientSampleId :

S-PG-D(0-6)

Tgt Ion: 70 Resp: 68890

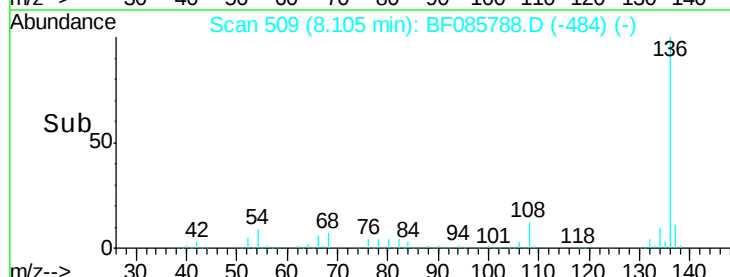
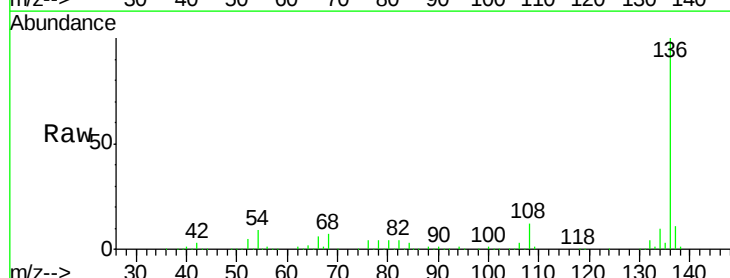
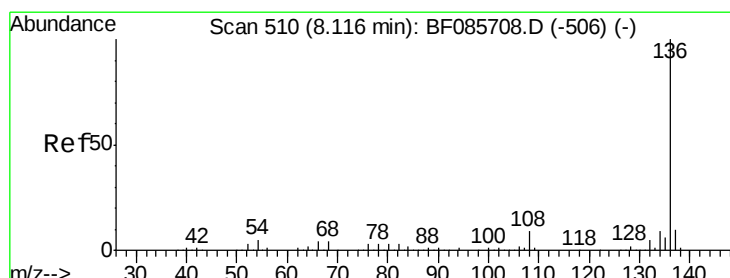
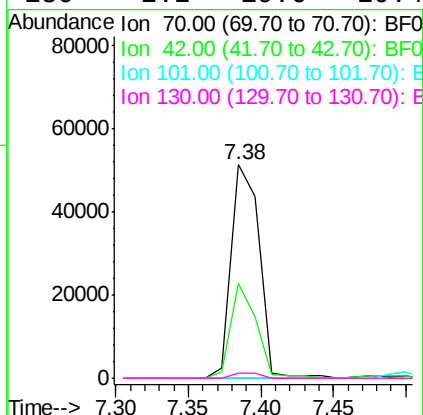
Ion Ratio Lower Upper

70 100

42 44.4 37.1 55.7

101 0.0 8.6 12.8#

130 2.2 19.6 29.4#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.10 min Scan# 509

Delta R.T. -0.01 min

Lab File: BF085788.D

Acq: 26 Mar 2016 3:53

Tgt Ion: 136 Resp: 373105

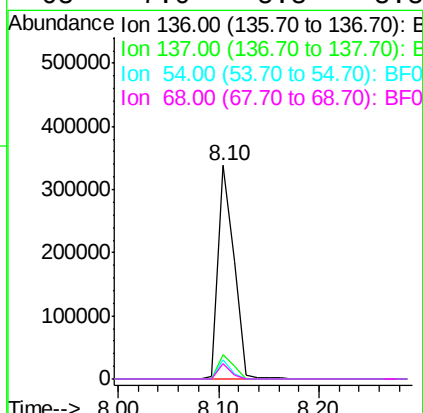
Ion Ratio Lower Upper

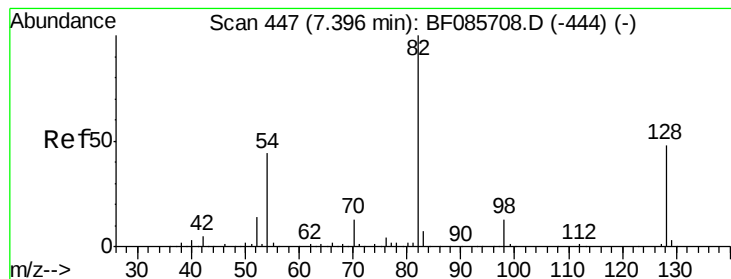
136 100

137 11.4 9.1 13.7

54 8.9 7.4 11.0

68 7.0 5.8 8.8





#23

Nitrobenzene-d5

Concen: 81.89 ng

RT: 7.38 min Scan# 446

Delta R.T. -0.01 min

Lab File: BF085788.D

Acq: 26 Mar 2016 3:53

Instrument :

BNA_F

ClientSampleId :

S-PG-D(0-6)

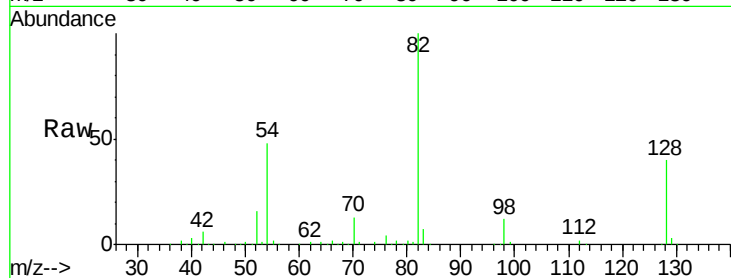
Tgt Ion: 82 Resp: 542553

Ion Ratio Lower Upper

82 100

128 39.9 41.8 62.8#

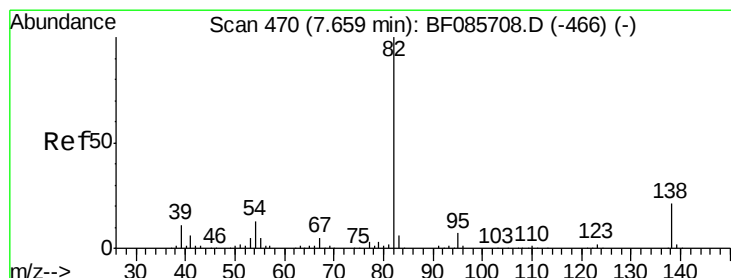
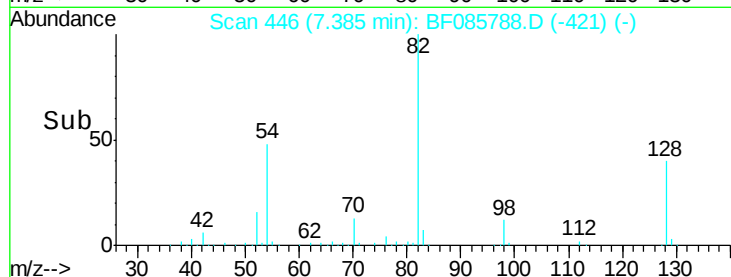
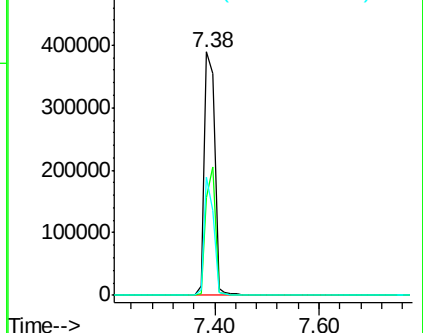
54 48.4 33.4 50.0



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: 41.28 ng

RT: 7.38 min Scan# 446

Delta R.T. -0.27 min

Lab File: BF085788.D

Acq: 26 Mar 2016 3:53

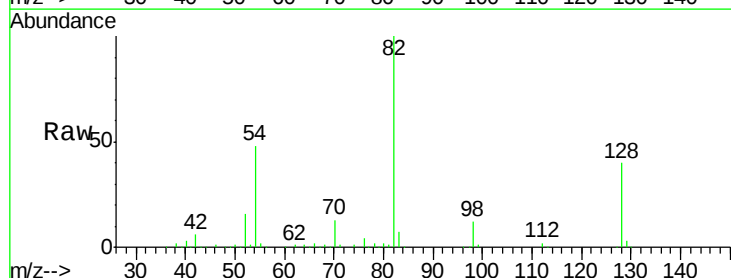
Tgt Ion: 82 Resp: 526848

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

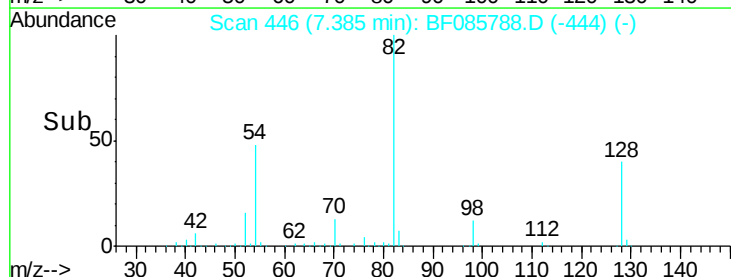
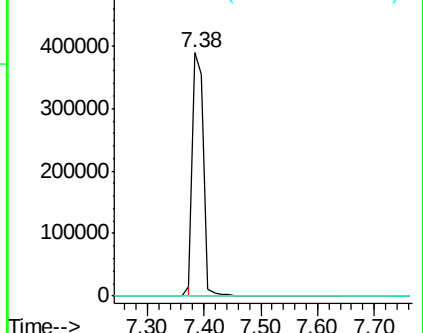
138 0.0 12.9 19.3#

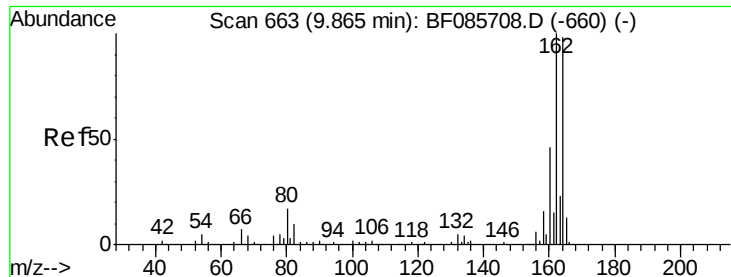


Abundance Ion 82.00 (81.70 to 82.70): BF0

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. 0.00 min

Lab File: BF085788.D

Acq: 26 Mar 2016 3:53

Instrument :

BNA_F

ClientSampleId :

S-PG-D(0-6)

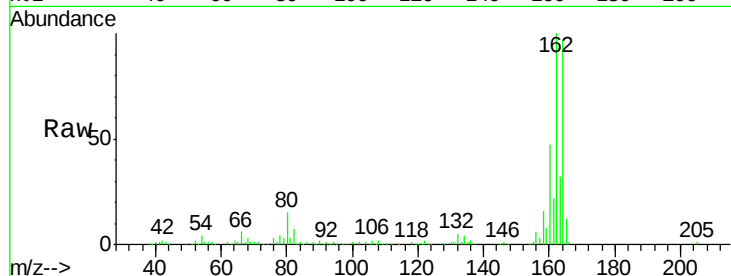
Tgt Ion:164 Resp: 141531

Ion Ratio Lower Upper

164 100

162 103.0 82.1 123.1

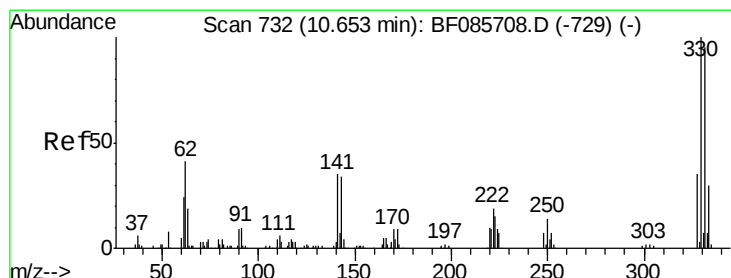
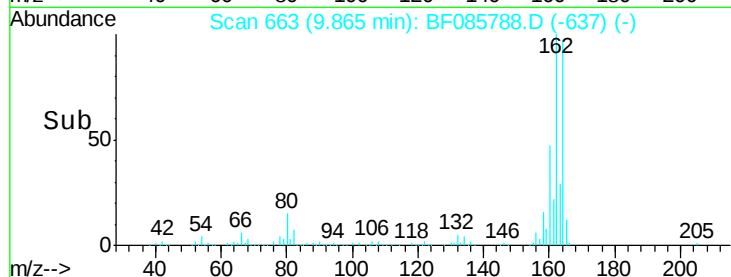
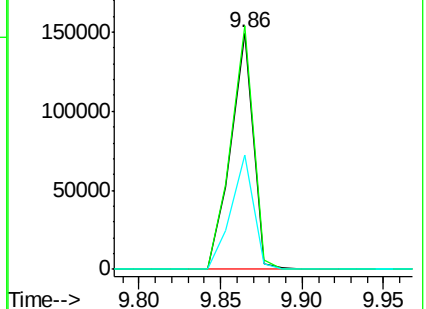
160 48.2 37.4 56.2



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: 105.33 ng

RT: 10.65 min Scan# 732

Delta R.T. 0.00 min

Lab File: BF085788.D

Acq: 26 Mar 2016 3:53

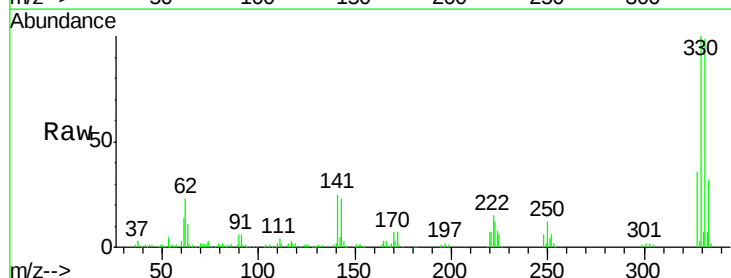
Tgt Ion:330 Resp: 141640

Ion Ratio Lower Upper

330 100

332 98.2 78.2 117.2

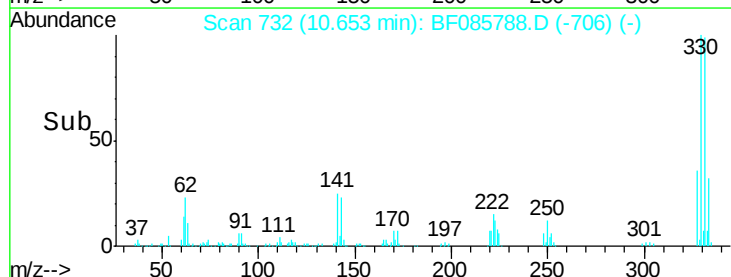
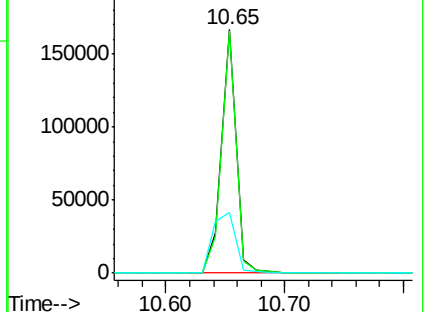
141 39.3 31.5 47.3

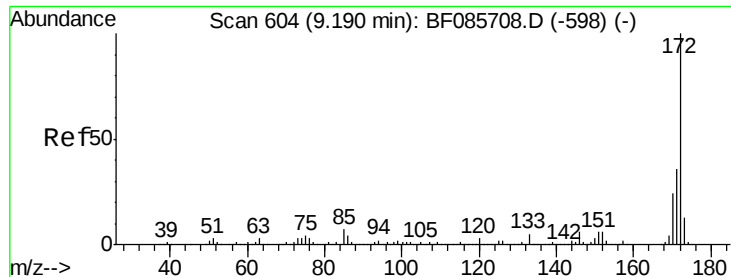


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

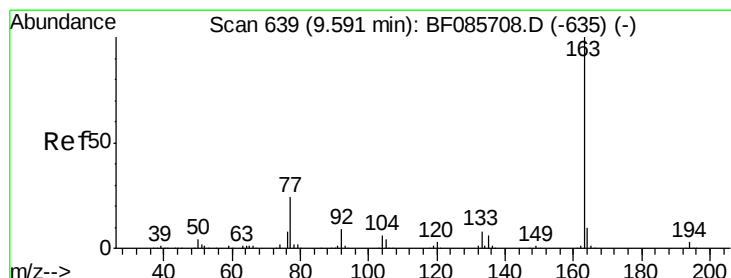
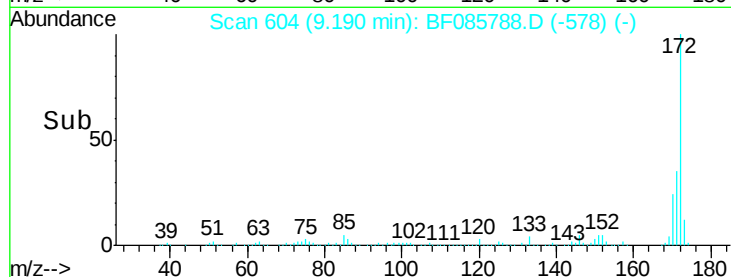
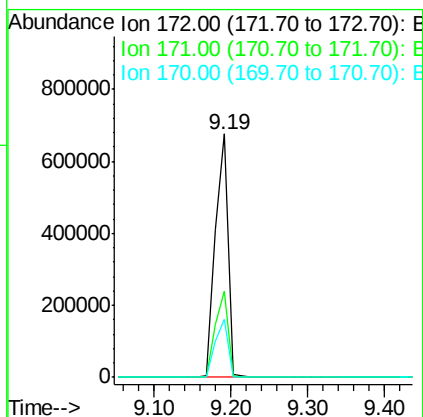
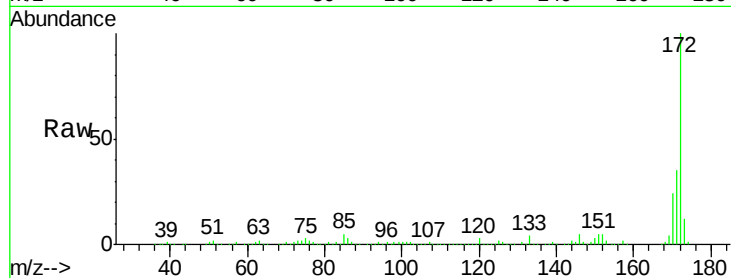




#44
2-Fluorobiphenyl
Concen: 90.10 ng
RT: 9.19 min Scan# 604
Delta R.T. 0.00 min
Lab File: BF085788.D
Acq: 26 Mar 2016 3:53

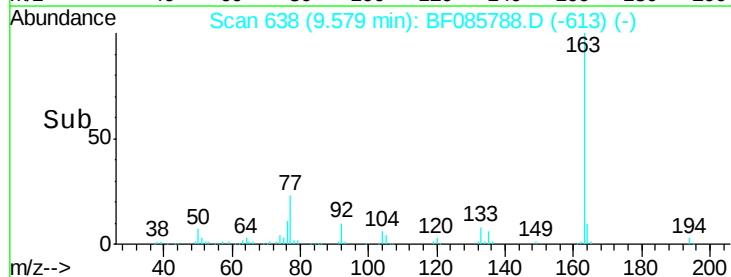
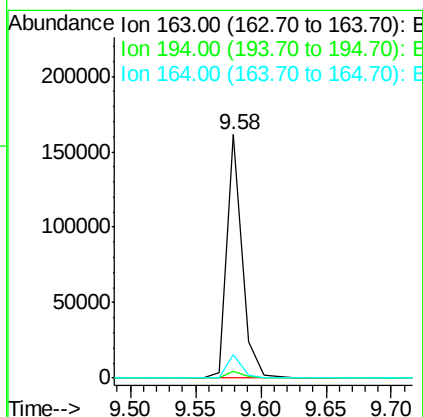
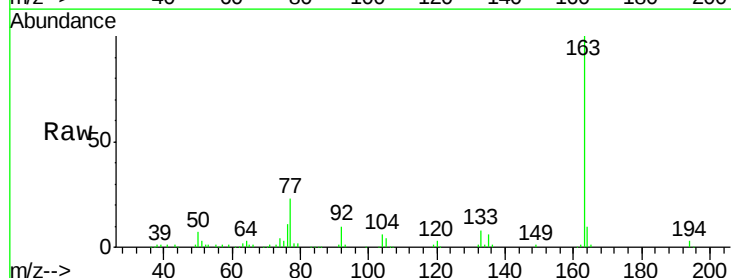
Instrument :
BNA_F
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S-PG-D(0-6)

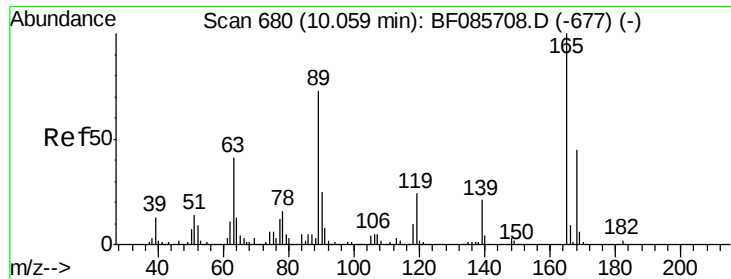
Tgt Ion:172 Resp: 763265
Ion Ratio Lower Upper
172 100
171 35.1 29.4 44.2
170 23.9 19.8 29.6



#49
Dimethylphthalate
Concen: 12.29 ng
RT: 9.58 min Scan# 638
Delta R.T. -0.01 min
Lab File: BF085788.D
Acq: 26 Mar 2016 3:53

Tgt Ion:163 Resp: 131979
Ion Ratio Lower Upper
163 100
194 2.9 2.9 4.3#
164 9.9 8.3 12.5

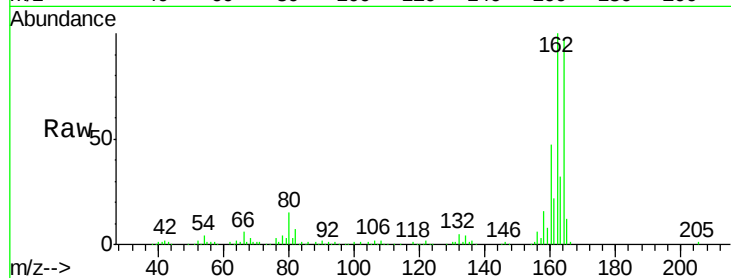




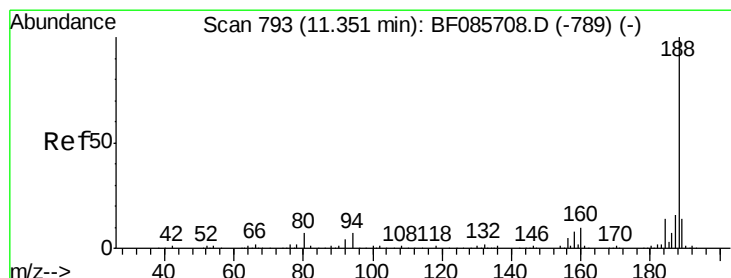
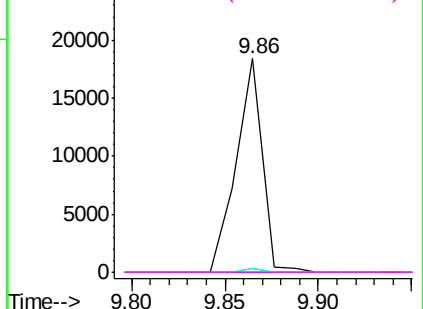
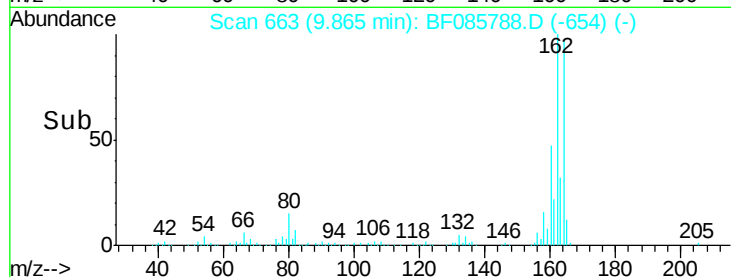
#56
 2,4-Dinitrotoluene
 Concen: 6.17 ng
 RT: 9.86 min Scan# 663
 Delta R.T. -0.19 min
 Lab File: BF085788.D
 Acq: 26 Mar 2016 3:53

Instrument :
 BNA_F
 ClientSampleId :
 S-PG-D(0-6)

Tgt Ion:165 Resp: 18130
 Ion Ratio Lower Upper
 165 100
 63 1.6 24.9 37.3#
 89 2.0 41.0 61.6#
 182 0.0 2.1 3.1#

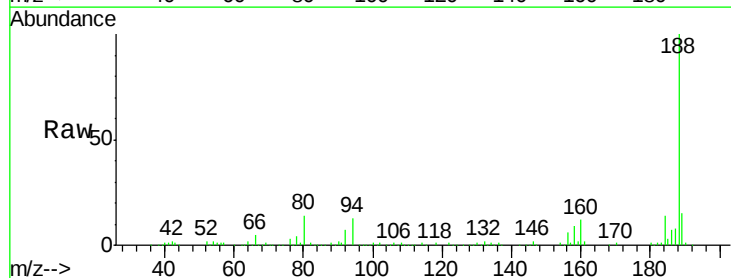


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

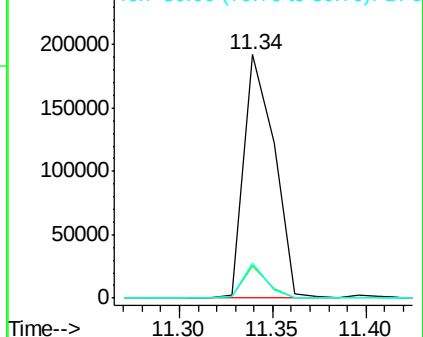
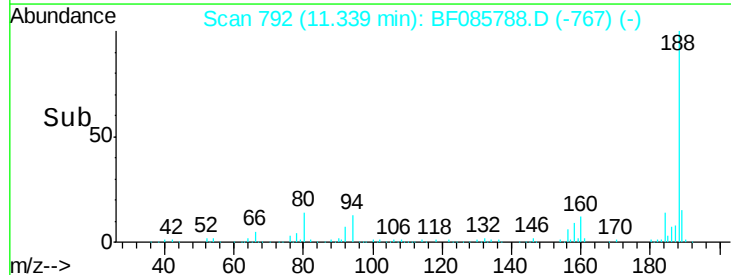


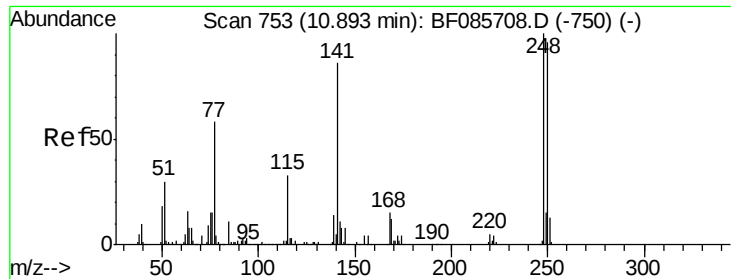
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.34 min Scan# 792
 Delta R.T. -0.01 min
 Lab File: BF085788.D
 Acq: 26 Mar 2016 3:53

Tgt Ion:188 Resp: 220548
 Ion Ratio Lower Upper
 188 100
 94 13.4 5.4 8.0#
 80 14.1 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

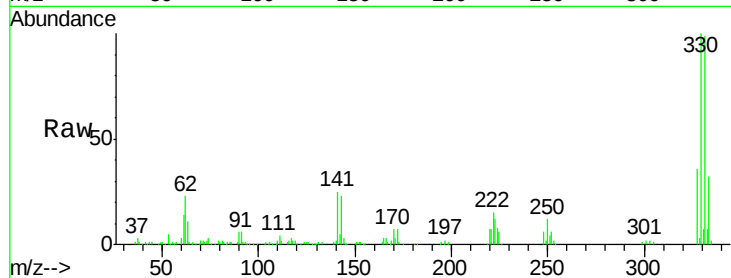




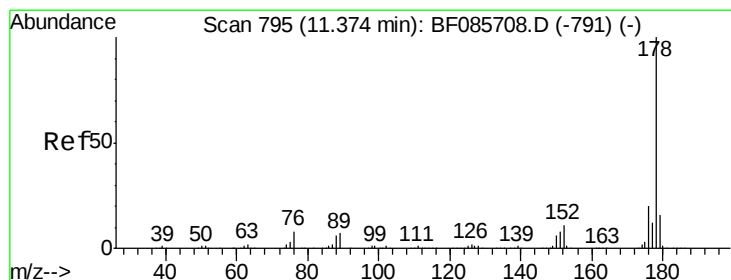
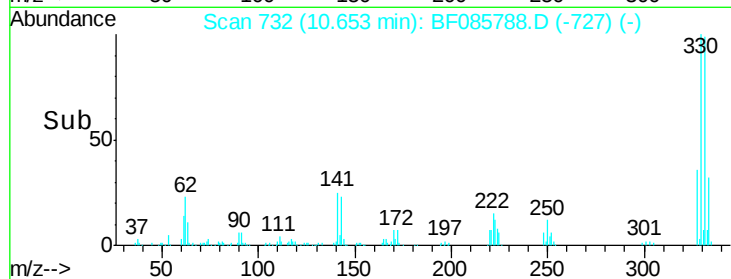
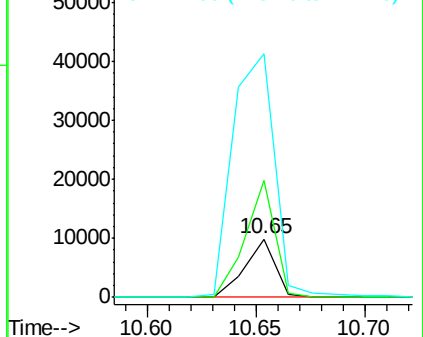
#66
 4-Bromophenyl-phenylether
 Concen: 4.18 ng
 RT: 10.65 min Scan# 732
 Delta R.T. -0.24 min
 Lab File: BF085788.D
 Acq: 26 Mar 2016 3:53

Instrument :
 BNA_F
 ClientSampleId :
 S-PG-D(0-6)

Tgt Ion:248 Resp: 9435
 Ion Ratio Lower Upper
 248 100
 250 202.1 77.4 116.0#
 141 419.4 63.6 95.4#

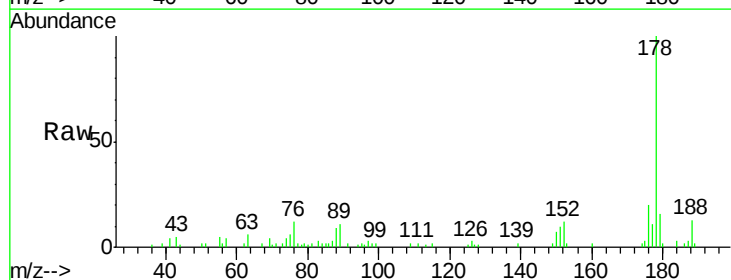


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

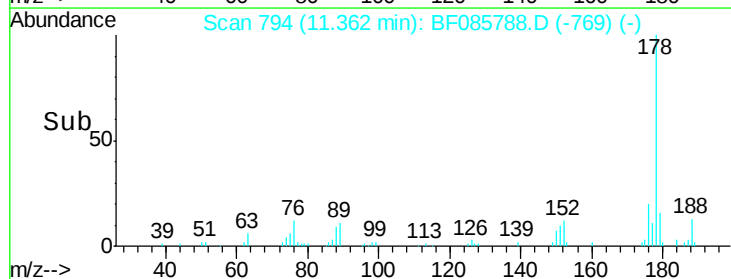
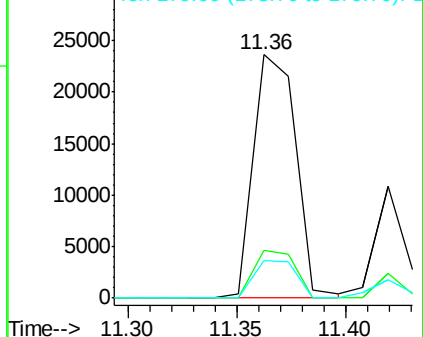


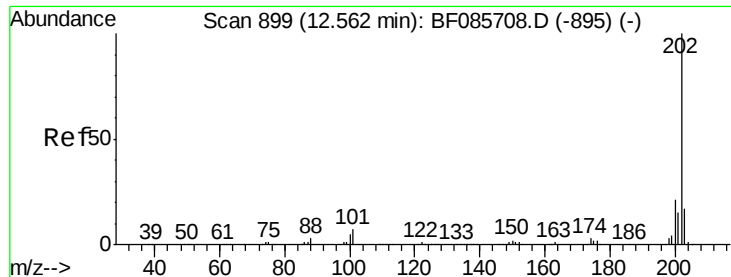
#70
 Phenanthrene
 Concen: 2.83 ng
 RT: 11.36 min Scan# 794
 Delta R.T. -0.01 min
 Lab File: BF085788.D
 Acq: 26 Mar 2016 3:53

Tgt Ion:178 Resp: 32100
 Ion Ratio Lower Upper
 178 100
 176 19.6 16.3 24.5
 179 15.7 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

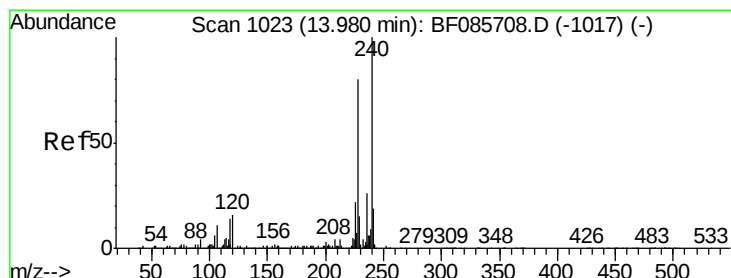
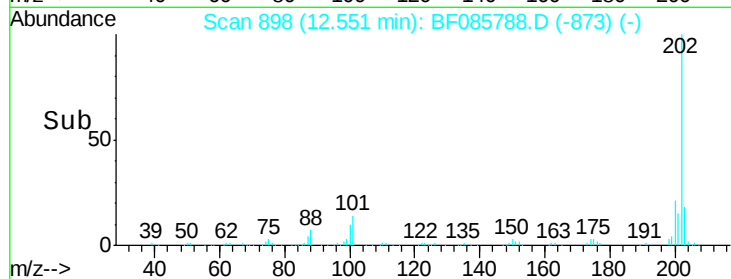
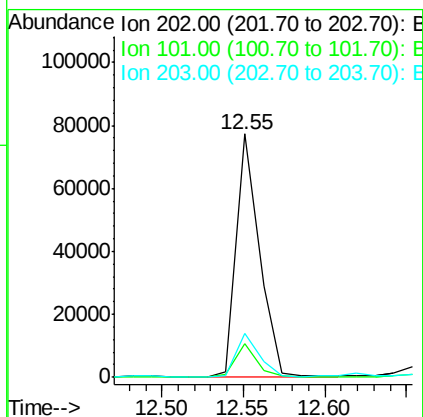
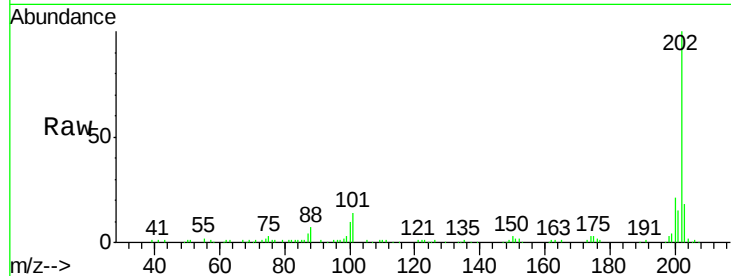




#74
 Fluoranthene
 Concen: 6.32 ng
 RT: 12.55 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: BF085788.D
 Acq: 26 Mar 2016 3:53

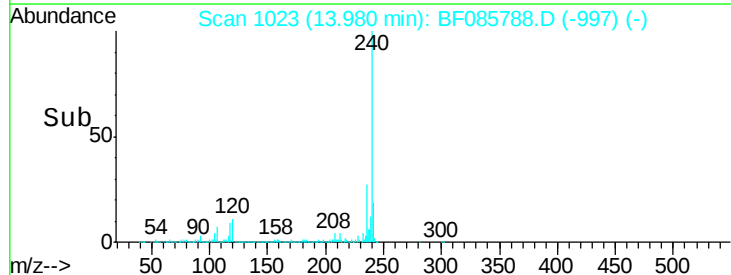
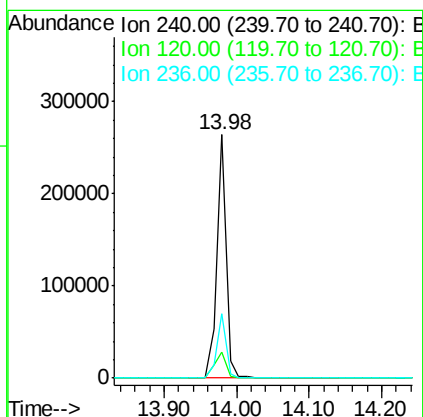
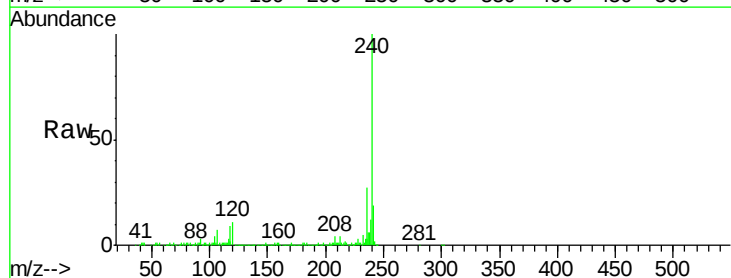
Instrument :
 BNA_F
 ClientSampleId :
 S-PG-D(0-6)

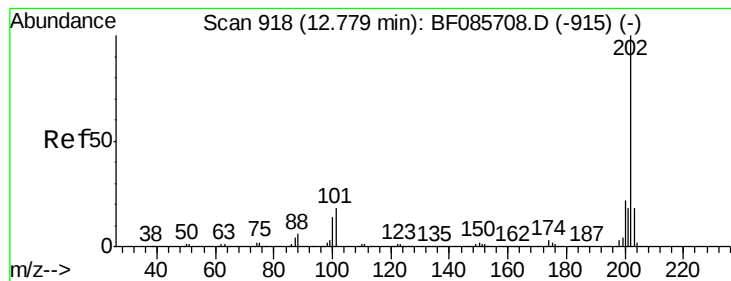
Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.1	0.0	36.6
203	18.0	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.98 min Scan# 1023
 Delta R.T. 0.00 min
 Lab File: BF085788.D
 Acq: 26 Mar 2016 3:53

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.9	13.8	20.8#
236	26.5	20.6	30.8





#77

Pyrene

Concen: 3.92 ng

RT: 12.78 min Scan# 918

Delta R.T. 0.00 min

Lab File: BF085788.D

Acq: 26 Mar 2016 3:53

Instrument :

BNA_F

ClientSampleId :

S-PG-D(0-6)

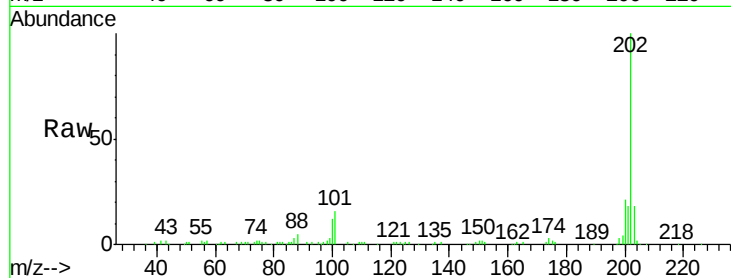
Tgt Ion:202 Resp: 76011

Ion Ratio Lower Upper

202 100

200 21.3 17.6 26.4

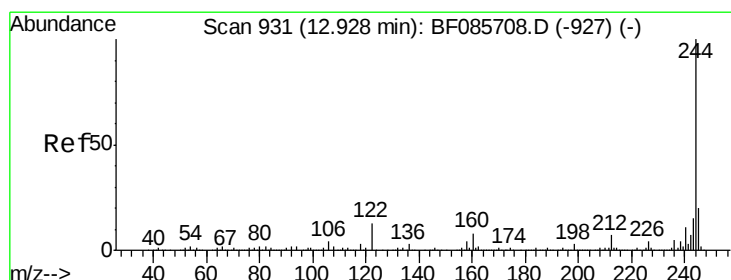
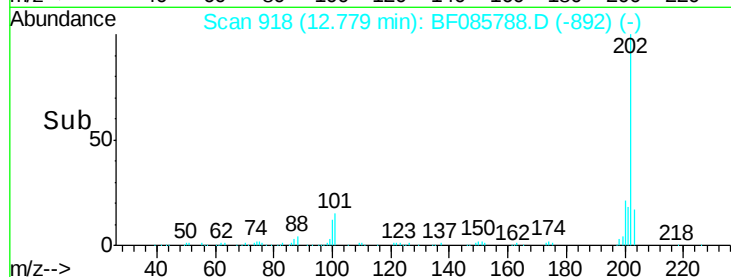
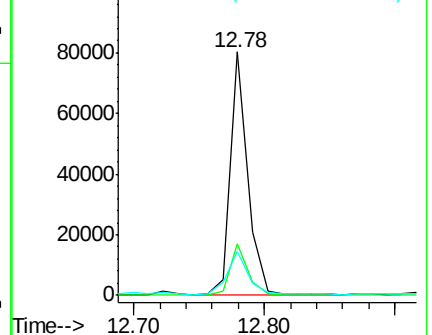
203 17.8 14.0 21.0



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: 46.37 ng

RT: 12.93 min Scan# 931

Delta R.T. 0.00 min

Lab File: BF085788.D

Acq: 26 Mar 2016 3:53

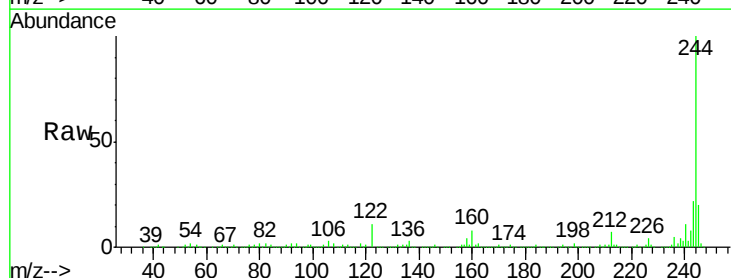
Tgt Ion:244 Resp: 532334

Ion Ratio Lower Upper

244 100

212 7.3 6.1 9.1

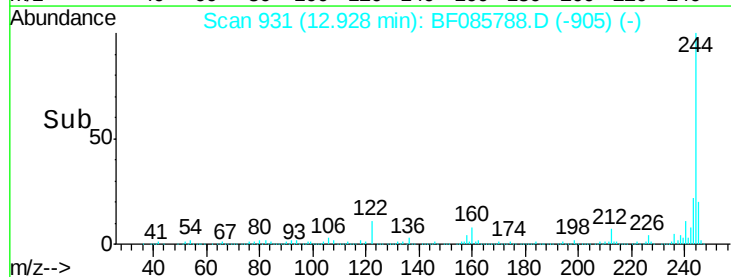
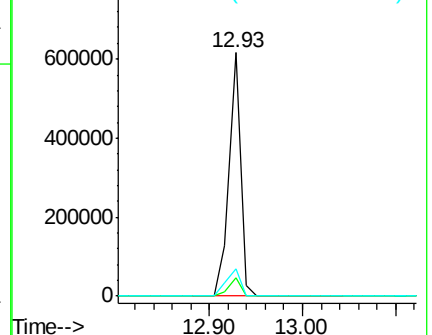
122 11.1 10.2 15.4

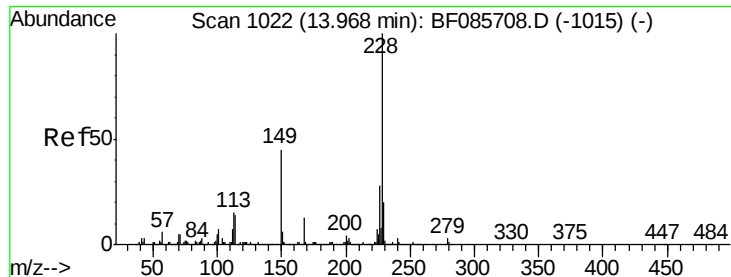


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.57 ng

RT: 13.97 min Scan# 1022

Delta R.T. 0.00 min

Lab File: BF085788.D

Acq: 26 Mar 2016 3:53

Instrument :

BNA_F

ClientSampleId :

S-PG-D(0-6)

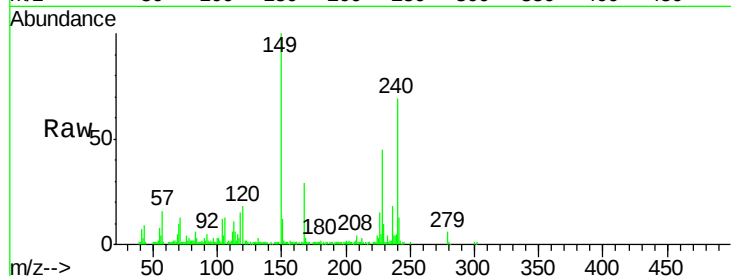
Tgt Ion:228 Resp: 34541

Ion Ratio Lower Upper

228 100

226 32.8 22.1 33.1

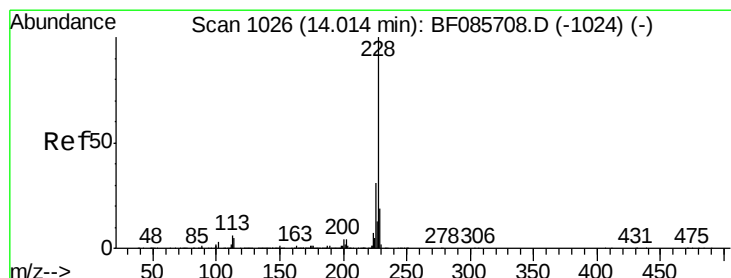
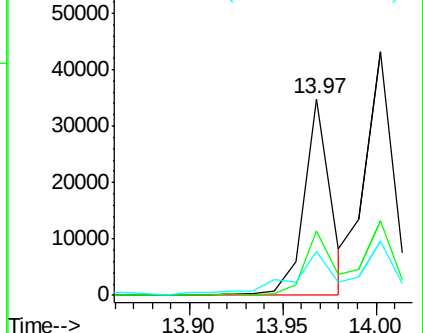
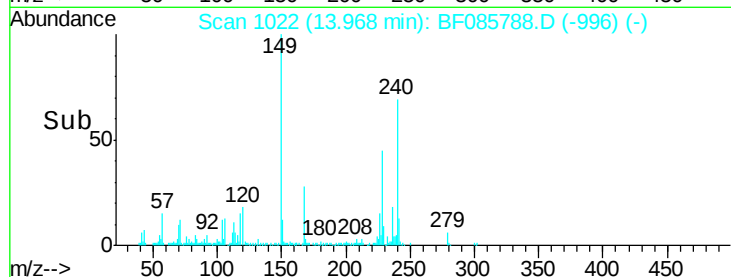
229 22.2 16.2 24.4



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: 3.30 ng

RT: 14.00 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF085788.D

Acq: 26 Mar 2016 3:53

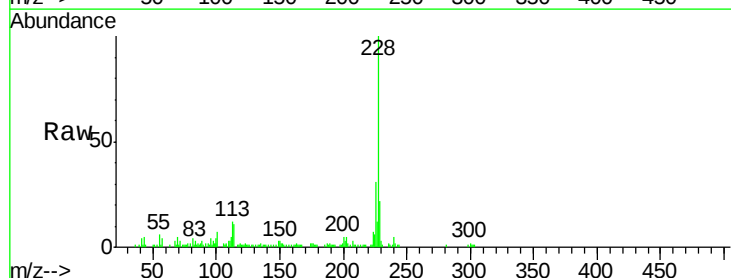
Tgt Ion:228 Resp: 44786

Ion Ratio Lower Upper

228 100

226 30.7 25.0 37.6

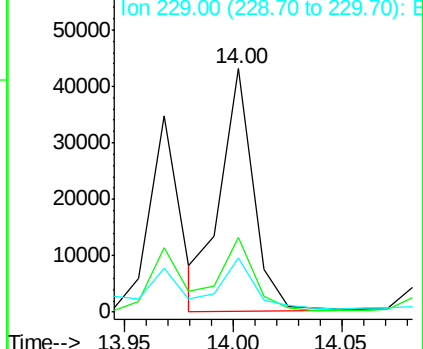
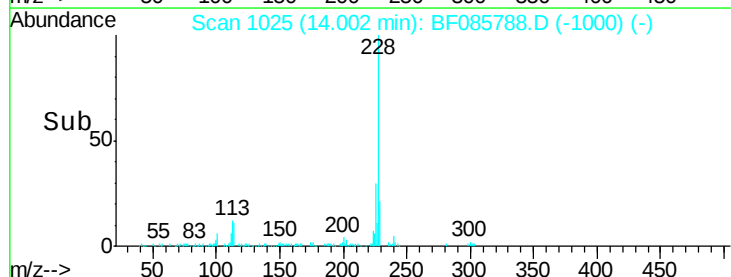
229 22.1 15.7 23.5

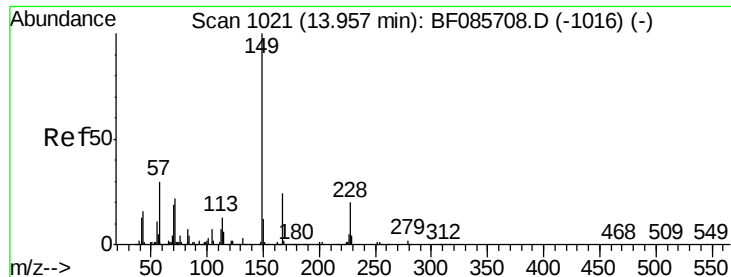


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 18.61 ng

RT: 13.96 min Scan# 1021

Delta R.T. 0.00 min

Lab File: BF085788.D

Acq: 26 Mar 2016 3:53

Instrument :

BNA_F

ClientSampleId :

S-PG-D(0-6)

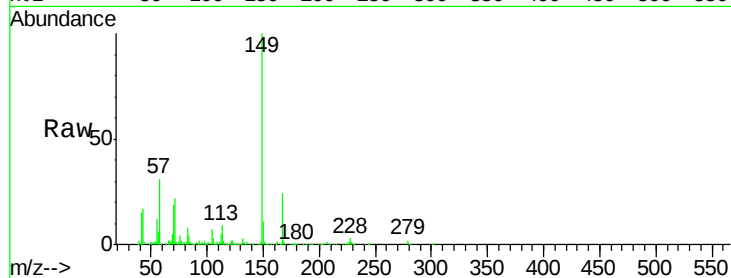
Tgt Ion:149 Resp: 181129

Ion Ratio Lower Upper

149 100

167 23.7 19.4 29.2

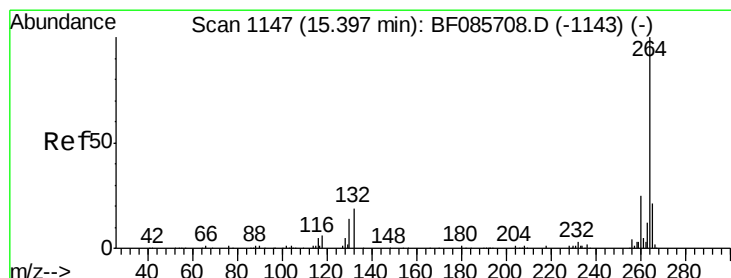
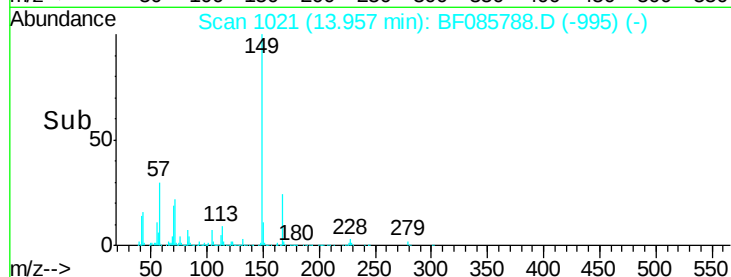
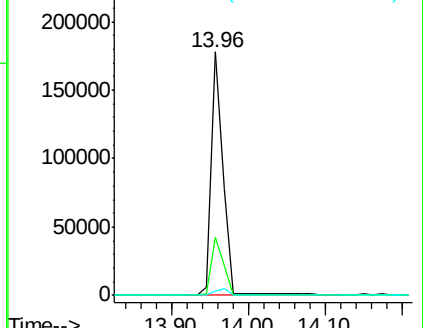
279 1.7 1.5 2.3



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.40 min Scan# 1147

Delta R.T. 0.00 min

Lab File: BF085788.D

Acq: 26 Mar 2016 3:53

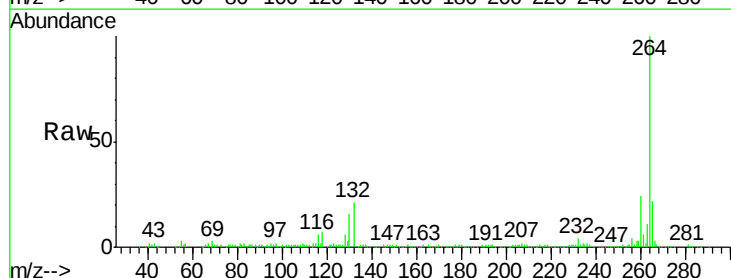
Tgt Ion:264 Resp: 171301

Ion Ratio Lower Upper

264 100

260 24.4 19.4 29.2

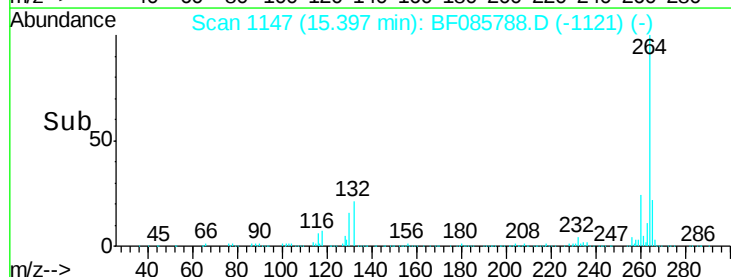
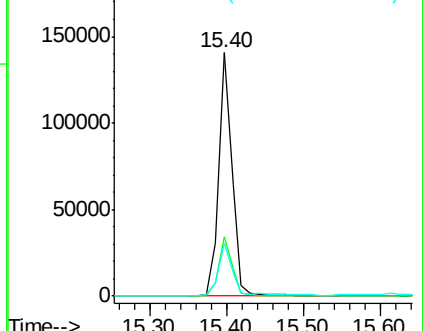
265 21.8 17.2 25.8

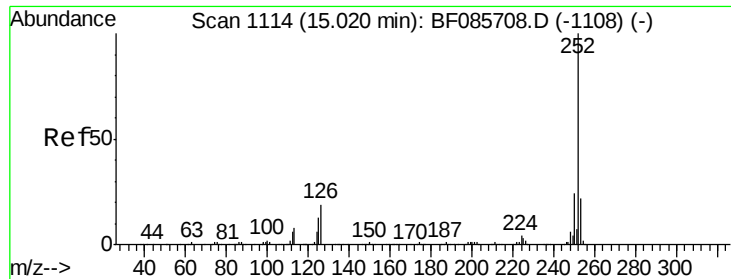


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 6.57 ng

RT: 15.00 min Scan# 1112

Delta R.T. 0.00 min

Lab File: BF085788.D

Acq: 26 Mar 2016 3:53

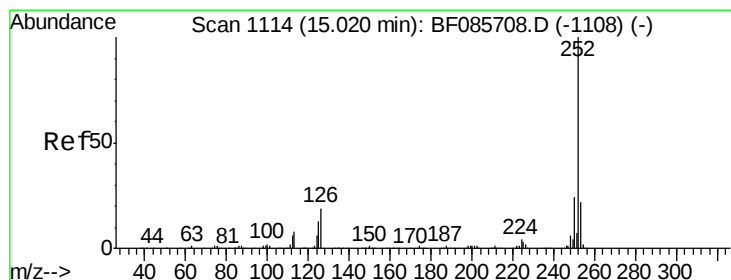
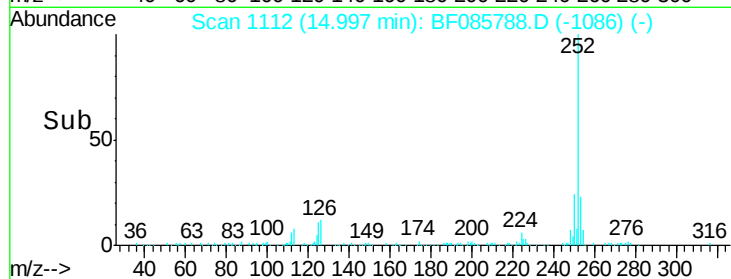
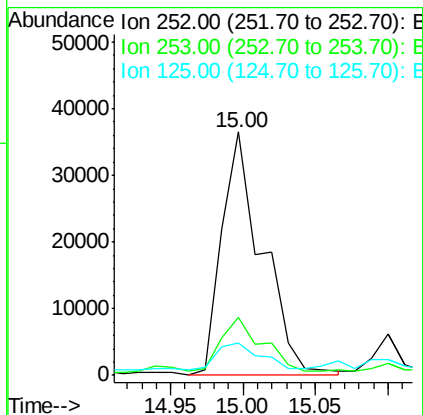
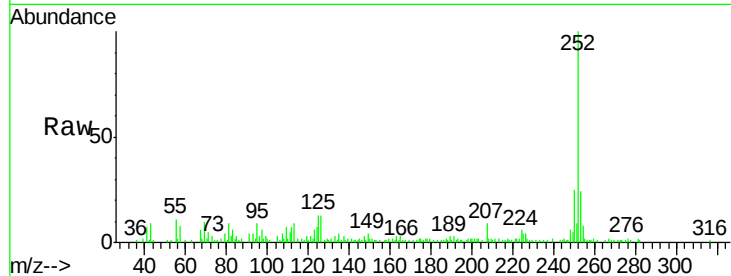
Instrument :

BNA_F

ClientSampleId :

S-PG-D(0-6)

Tgt Ion:	252	Resp:	70883
Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.6	26.4
125	13.5	10.3	15.5



#88

Benzo(k)fluoranthene

Concen: 7.29 ng

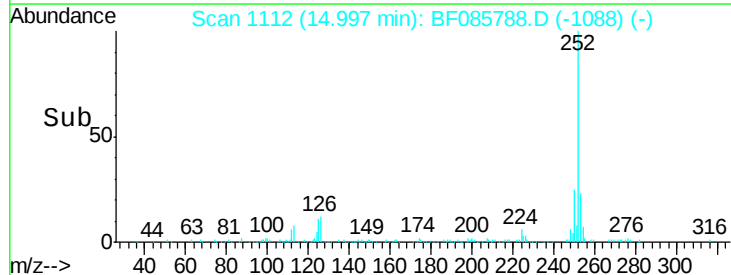
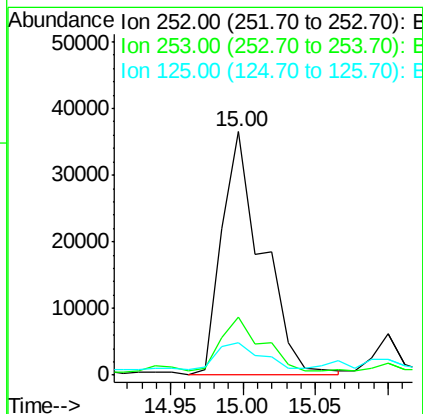
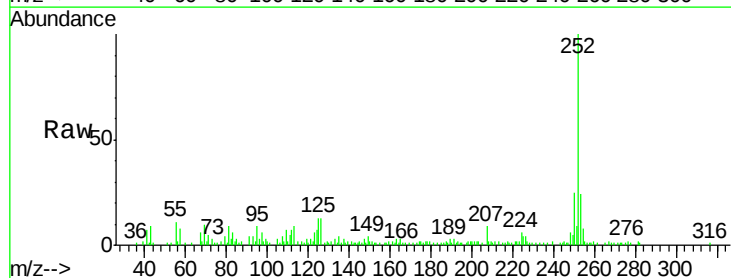
RT: 15.00 min Scan# 1112

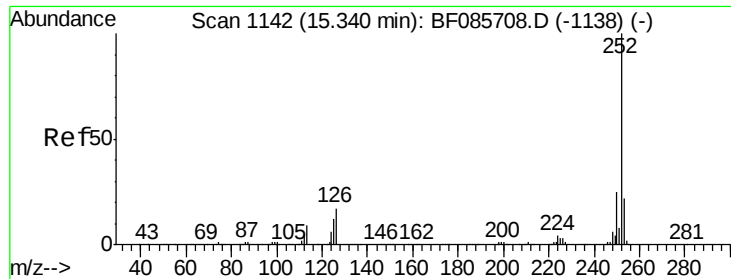
Delta R.T. -0.02 min

Lab File: BF085788.D

Acq: 26 Mar 2016 3:53

Tgt Ion:	252	Resp:	70883
Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.8	26.6
125	13.5	7.7	11.5#





#89

Benzo(a)pyrene

Concen: 3.12 ng

RT: 15.34 min Scan# 1142

Delta R.T. 0.00 min

Lab File: BF085788.D

Acq: 26 Mar 2016 3:53

Instrument :

BNA_F

ClientSampleId :

S-PG-D(0-6)

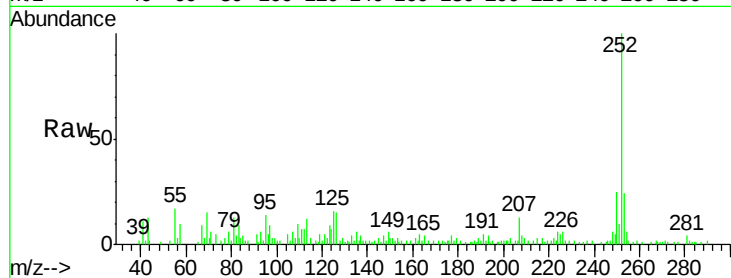
Tgt Ion:252 Resp: 29936

Ion Ratio Lower Upper

252 100

253 24.2 17.4 26.0

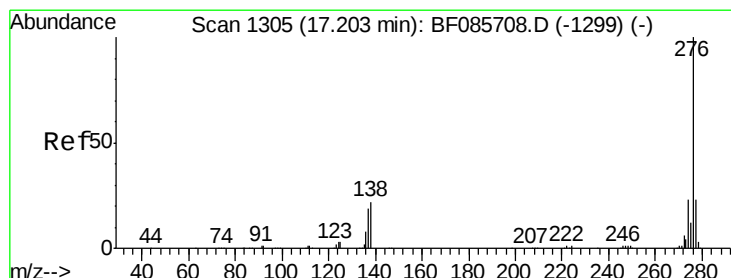
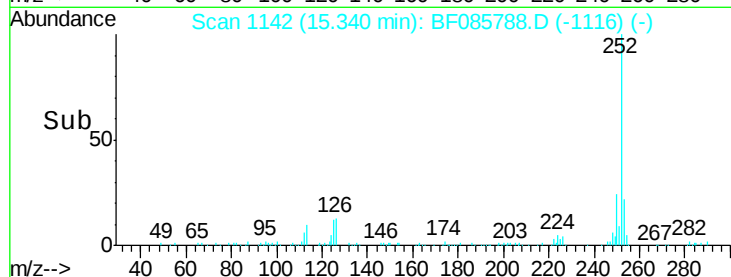
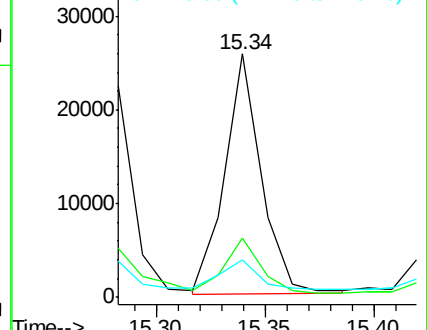
125 15.5 10.3 15.5#



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: 2.34 ng

RT: 17.20 min Scan# 1305

Delta R.T. 0.00 min

Lab File: BF085788.D

Acq: 26 Mar 2016 3:53

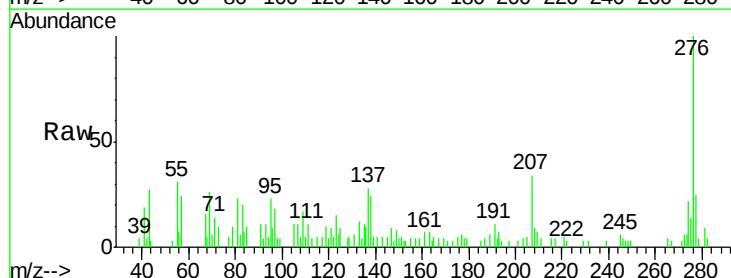
Tgt Ion:276 Resp: 21053

Ion Ratio Lower Upper

276 100

277 25.1 18.8 28.2

138 23.5 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

