

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032516\
 Data File : BF085789.D
 Acq On : 26 Mar 2016 4:21
 Operator : UM/SJ
 Sample : H1923-02
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

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

Quant Time: Mar 26 04:29:11 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	108447	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	371460	20.00	ng	-0.01
38) Acenaphthene-d10	9.86	164	153533	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	244078	20.00	ng	-0.01
75) Chrysene-d12	13.98	240	225105	20.00	ng	0.00
86) Perylene-d12	15.40	264	175348	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	863770	132.65	ng	0.02
7) Phenol-d6	6.47	99	1155252	139.54	ng	0.01
23) Nitrobenzene-d5	7.40	82	753829	114.28	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	208441	142.89	ng	0.00
44) 2-Fluorobiphenyl	9.19	172	984402	107.12	ng	0.00
78) Terphenyl-d14	12.93	244	621615	56.79	ng	0.00

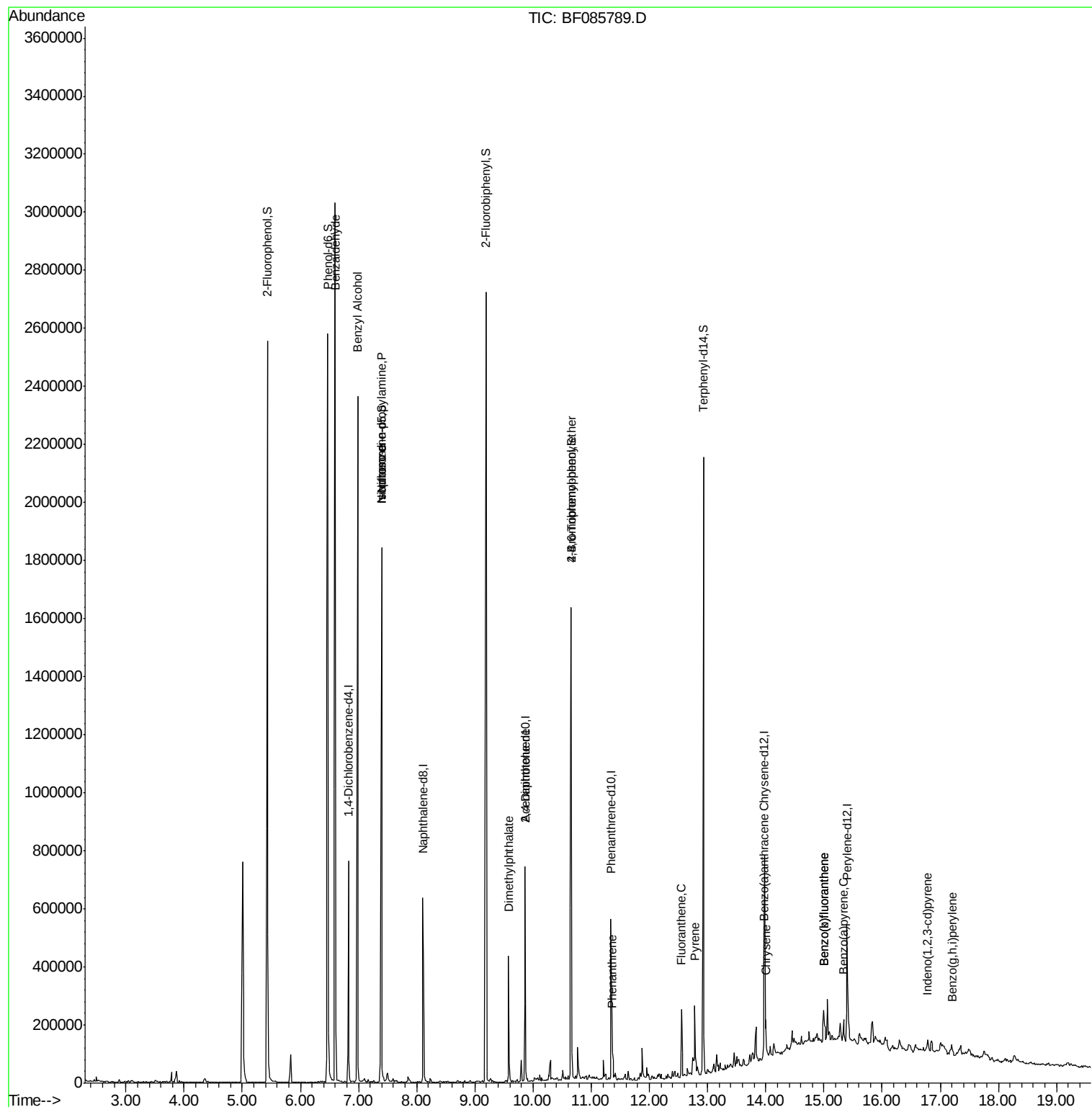
Target Compounds						Qvalue
9) Benzaldehyde	6.60	77	19635	3.94	ng	83
15) Benzyl Alcohol	6.98	79	12553	2.27	ng	# 42
19) n-Nitroso-di-n-propylamine	7.40	70	101231	20.42	ng	# 76
25) Isophorone	7.40	82	733034	57.69	ng	# 68
37) 2-Methylnaphthalene	8.82	142	1845	Below	Cal	96
49) Dimethylphthalate	9.58	163	155165	13.32	ng	100
56) 2,4-Dinitrotoluene	9.86	165	19122	6.00	ng	# 37
66) 4-Bromophenyl-phenylether	10.65	248	14258	5.71	ng	# 1
70) Phenanthrene	11.36	178	41099	3.28	ng	97
74) Fluoranthene	12.55	202	95608	7.18	ng	97
77) Pyrene	12.78	202	95475	5.16	ng	98
80) Benzo(a)anthracene	13.97	228	43052	3.35	ng	99
82) Chrysene	14.00	228	39333	3.04	ng	97
85) Indeno(1,2,3-cd)pyrene	16.78	276	20516	2.05	ng	# 89
87) Benzo(b)fluoranthene	15.00	252	72000	6.52	ng	97
88) Benzo(k)fluoranthene	15.00	252	72000	7.23	ng	# 95
89) Benzo(a)pyrene	15.34	252	30494	3.11	ng	# 92
91) Benzo(g,h,i)perylene	17.20	276	19379	2.10	ng	96

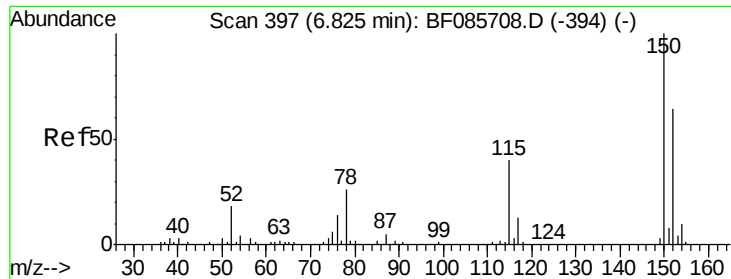
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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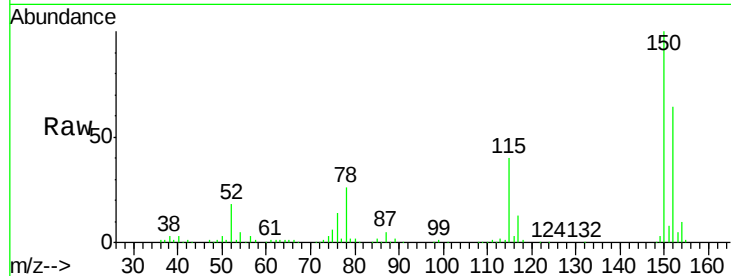


#1

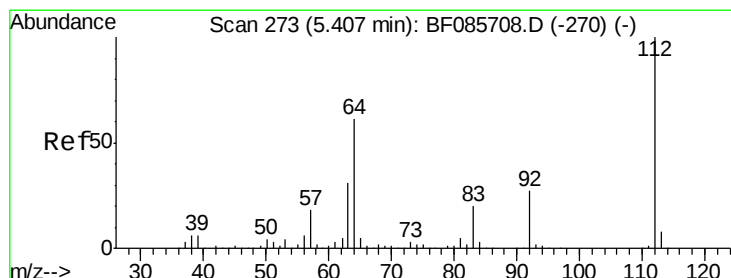
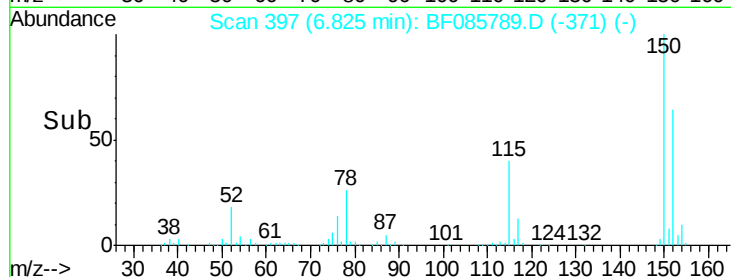
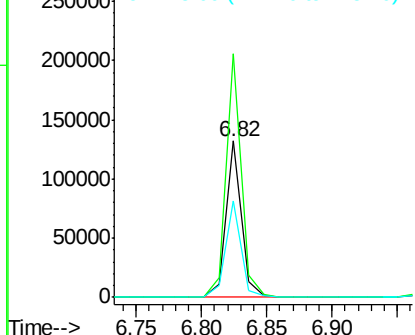
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.82 min Scan# 397
Delta R.T. 0.00 min
Lab File: BF085789.D
Acq: 26 Mar 2016 4:21

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

Tgt Ion:152 Resp: 108447
Ion Ratio Lower Upper
152 100
150 156.1 124.2 186.2
115 62.2 47.0 70.6



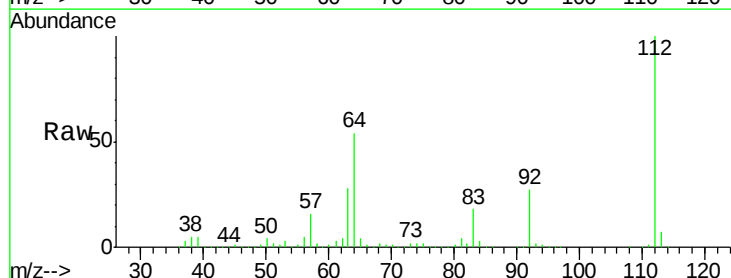
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



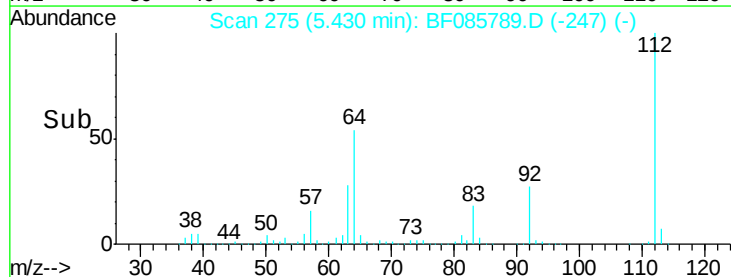
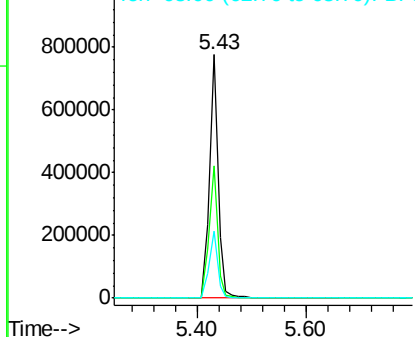
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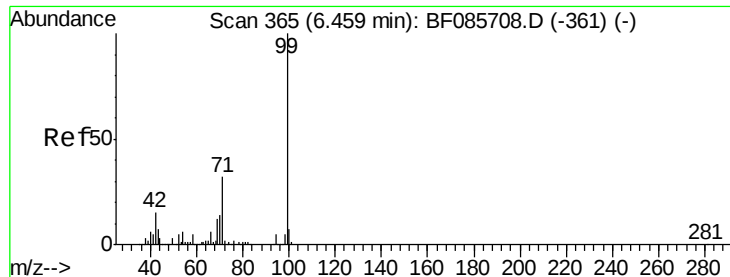
2-Fluorophenol
Concen: 132.65 ng
RT: 5.43 min Scan# 275
Delta R.T. 0.02 min
Lab File: BF085789.D
Acq: 26 Mar 2016 4:21

Tgt Ion:112 Resp: 863770
Ion Ratio Lower Upper
112 100
64 54.4 39.9 59.9
63 27.7 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: 139.54 ng

RT: 6.47 min Scan# 366

Delta R.T. 0.01 min

Lab File: BF085789.D

Acq: 26 Mar 2016 4:21

Instrument :

BNA_F

ClientSampleId :

S-PG-B(0-6)

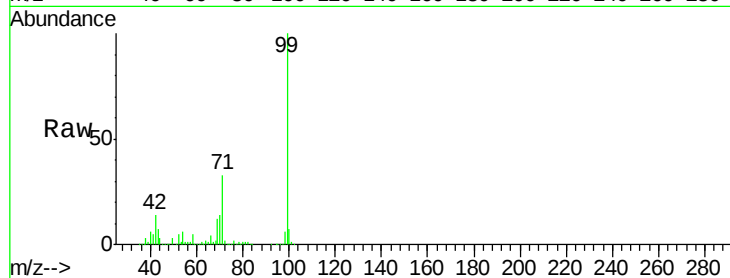
Tgt Ion: 99 Resp: 1155252

Ion Ratio Lower Upper

99 100

42 14.4 11.1 16.7

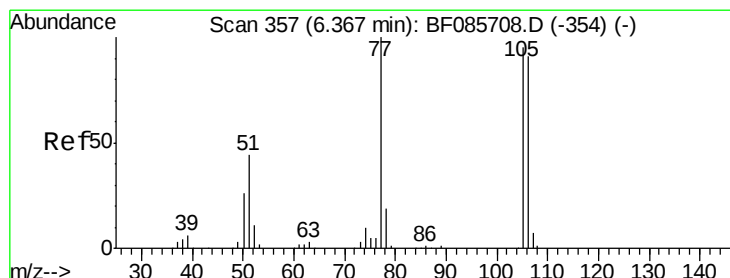
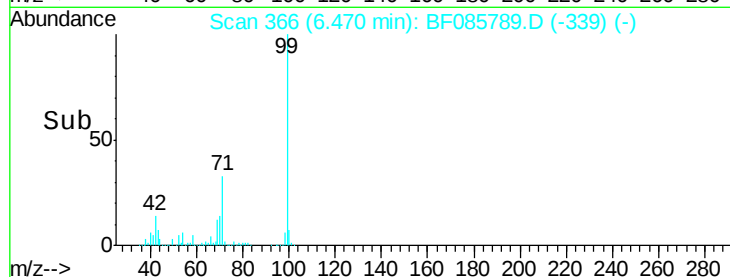
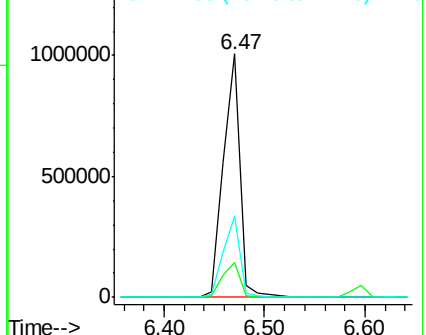
71 33.1 24.9 37.3



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: 3.94 ng

RT: 6.60 min Scan# 377

Delta R.T. 0.23 min

Lab File: BF085789.D

Acq: 26 Mar 2016 4:21

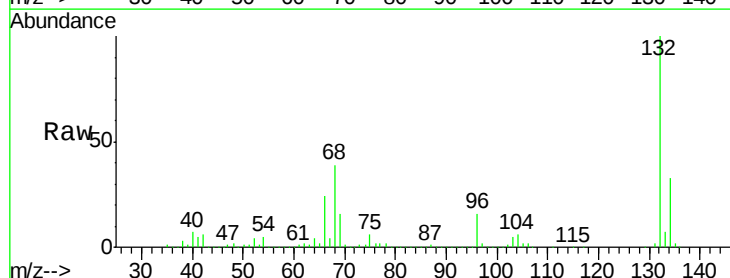
Tgt Ion: 77 Resp: 19635

Ion Ratio Lower Upper

77 100

105 82.2 80.1 120.1

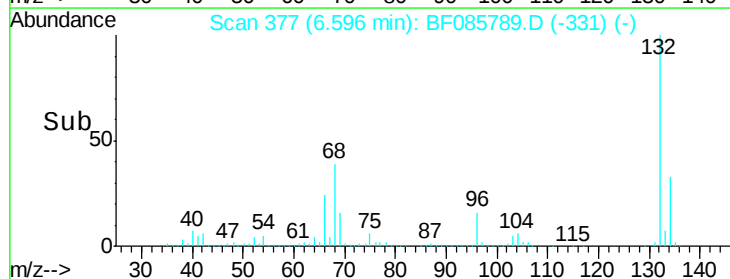
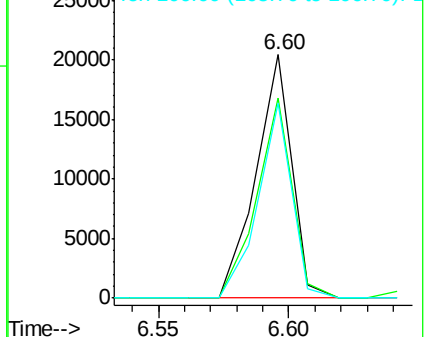
106 79.9 75.0 115.0

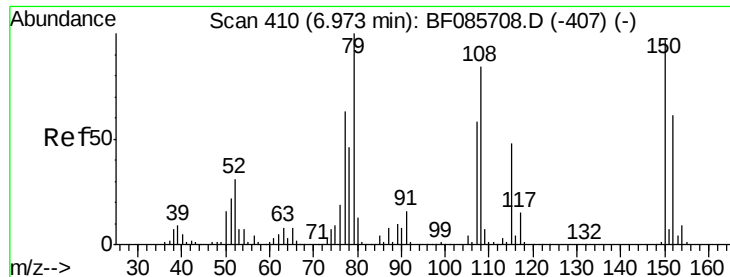


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B





#15

Benzyl Alcohol

Concen: 2.27 ng

RT: 6.98 min Scan# 411

Delta R.T. 0.01 min

Lab File: BF085789.D

Acq: 26 Mar 2016 4:21

Instrument :

BNA_F

ClientSampleId :

S-PG-B(0-6)

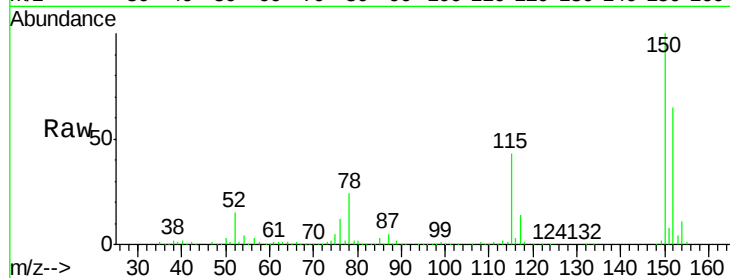
Tgt Ion: 79 Resp: 12553

Ion Ratio Lower Upper

79 100

108 37.3 61.8 92.6#

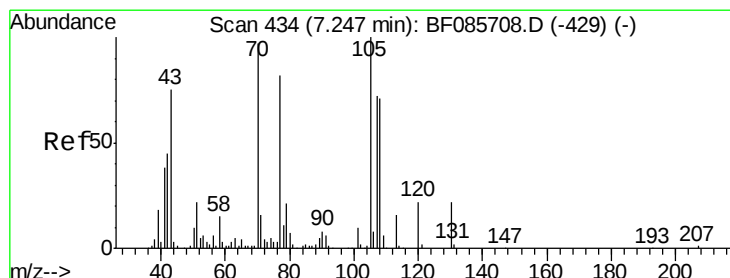
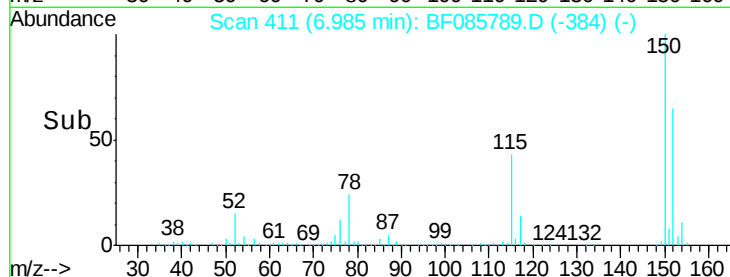
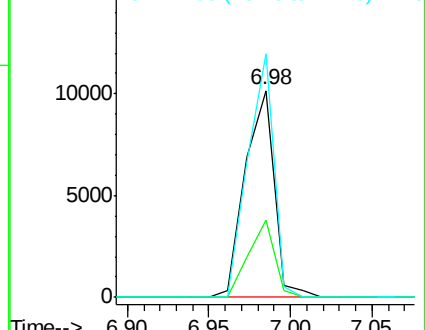
77 117.7 49.6 74.4#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 20.42 ng

RT: 7.40 min Scan# 447

Delta R.T. 0.15 min

Lab File: BF085789.D

Acq: 26 Mar 2016 4:21

Tgt Ion: 70 Resp: 101231

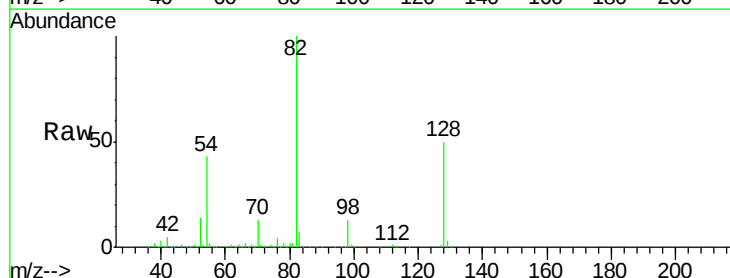
Ion Ratio Lower Upper

70 100

42 37.8 37.1 55.7

101 0.0 8.6 12.8#

130 2.4 19.6 29.4#

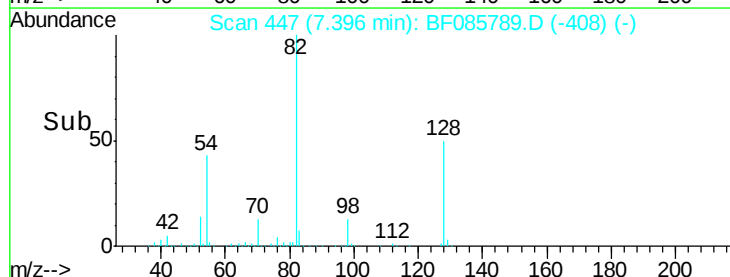
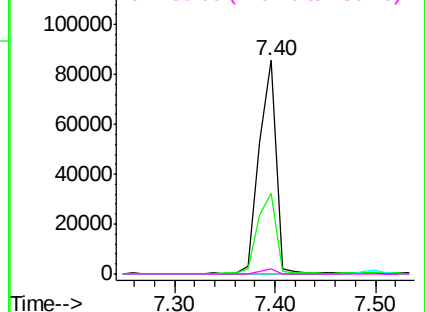


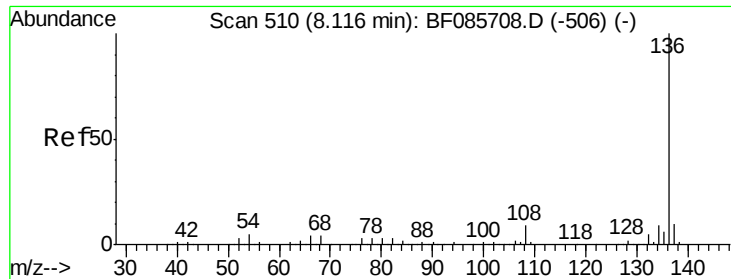
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

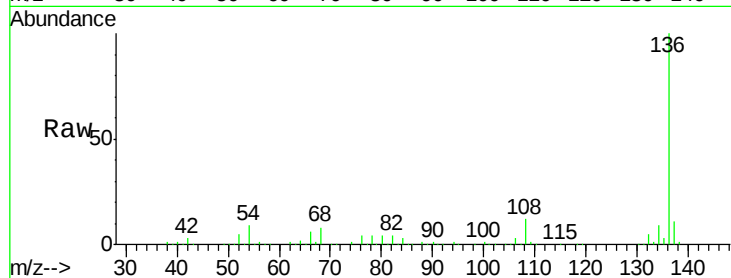




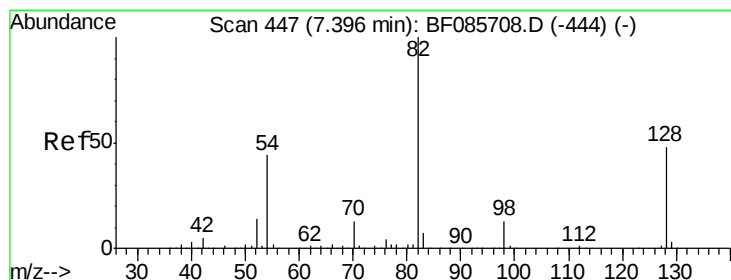
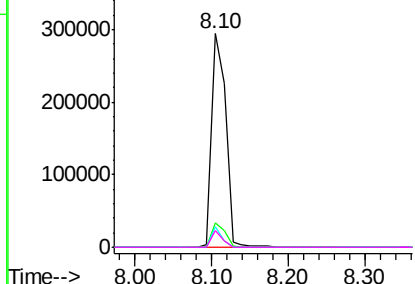
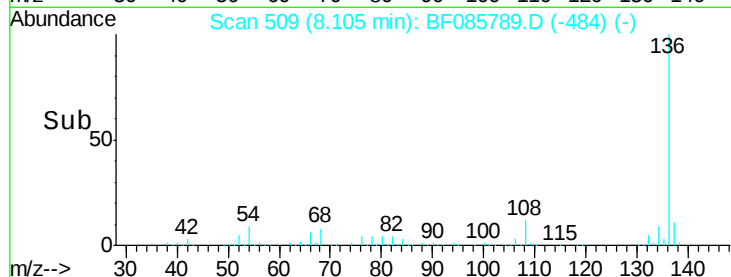
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.10 min Scan# 509
Delta R.T. -0.01 min
Lab File: BF085789.D
Acq: 26 Mar 2016 4:21

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

Tgt Ion:	136	Resp:	371460
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	9.4	7.4	11.0
68	7.6	5.8	8.8

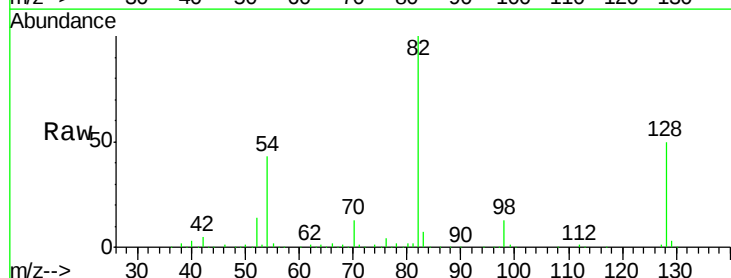


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

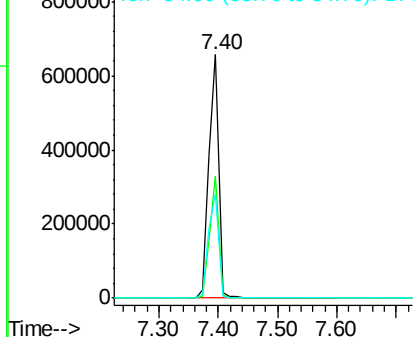
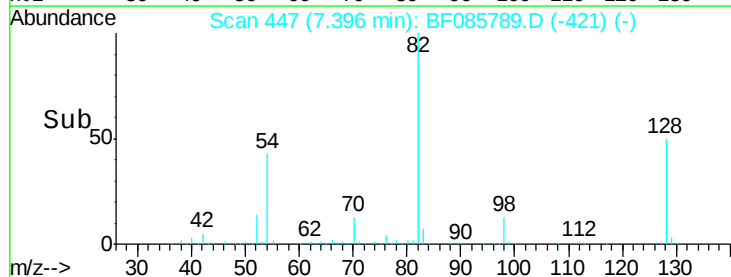


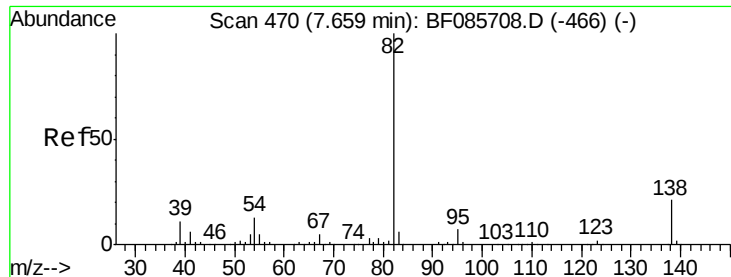
#23
Nitrobenzene-d5
Concen: 114.28 ng
RT: 7.40 min Scan# 447
Delta R.T. 0.00 min
Lab File: BF085789.D
Acq: 26 Mar 2016 4:21

Tgt Ion:	82	Resp:	753829
Ion	Ratio	Lower	Upper
82	100		
128	50.0	41.8	62.8
54	42.9	33.4	50.0



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

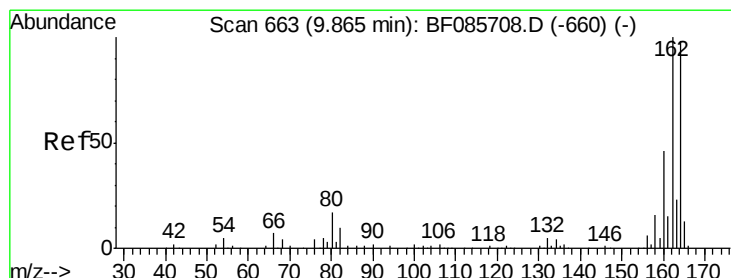
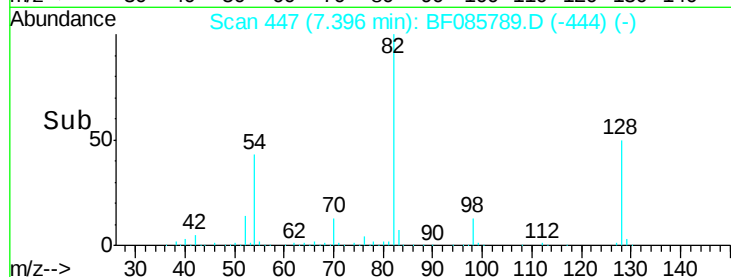
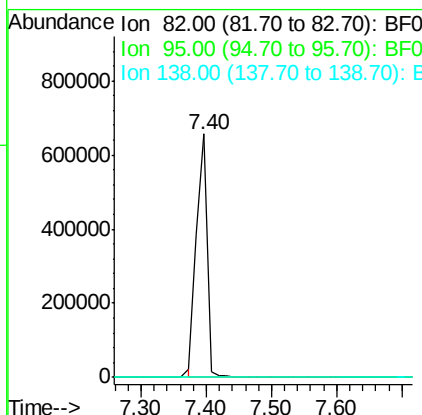
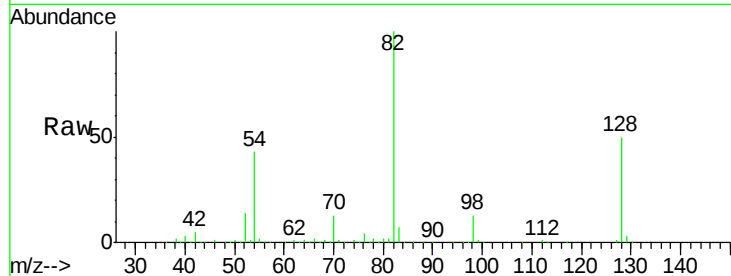




#25
Isophorone
Concen: 57.69 ng
RT: 7.40 min Scan# 447
Delta R.T. -0.26 min
Lab File: BF085789.D
Acq: 26 Mar 2016 4:21

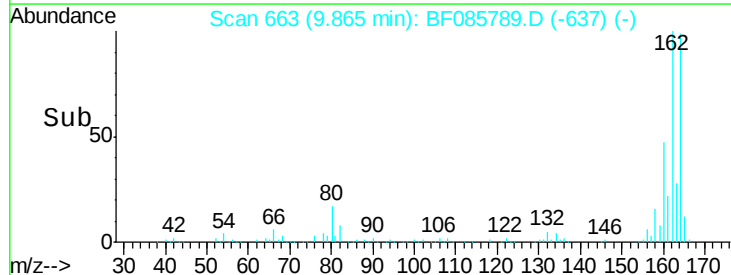
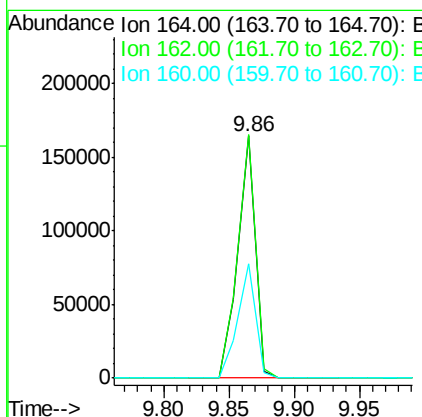
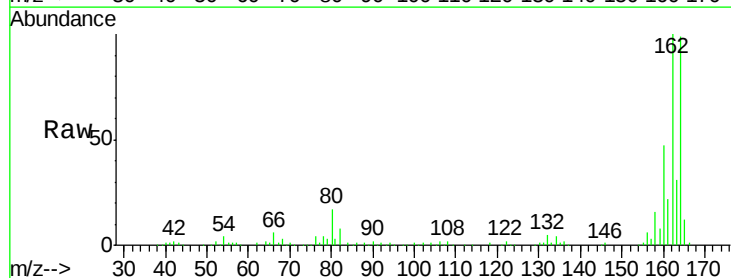
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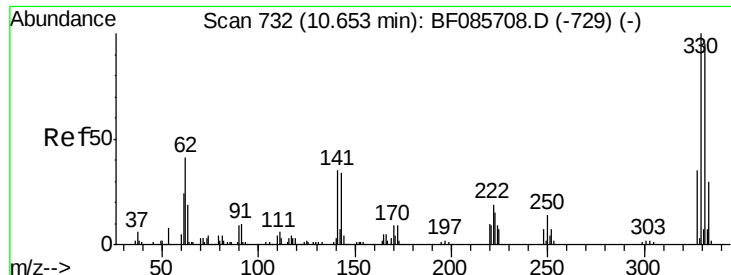
Tgt Ion: 82 Resp: 733034
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.2#
138 0.0 12.9 19.3#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.86 min Scan# 663
Delta R.T. 0.00 min
Lab File: BF085789.D
Acq: 26 Mar 2016 4:21

Tgt Ion: 164 Resp: 153533
Ion Ratio Lower Upper
164 100
162 100.7 82.1 123.1
160 47.3 37.4 56.2

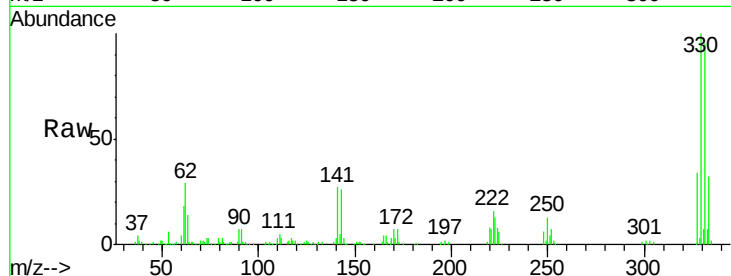




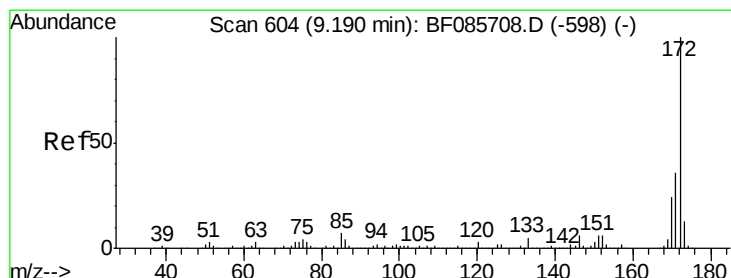
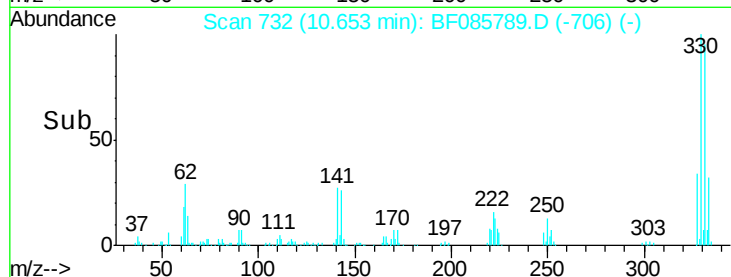
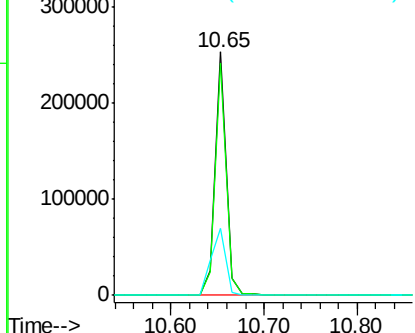
#41
 2,4,6-Tribromophenol
 Concen: 142.89 ng
 RT: 10.65 min Scan# 732
 Delta R.T. 0.00 min
 Lab File: BF085789.D
 Acq: 26 Mar 2016 4:21

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

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.8	78.2	117.2
141	36.9	31.5	47.3

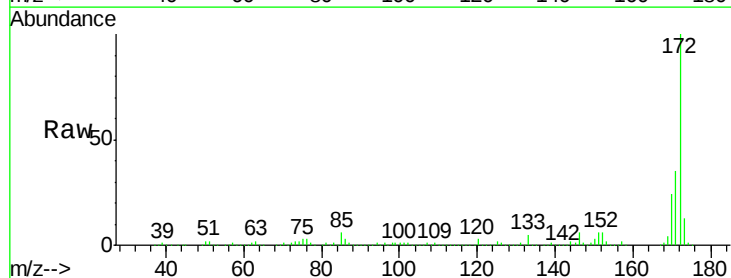


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

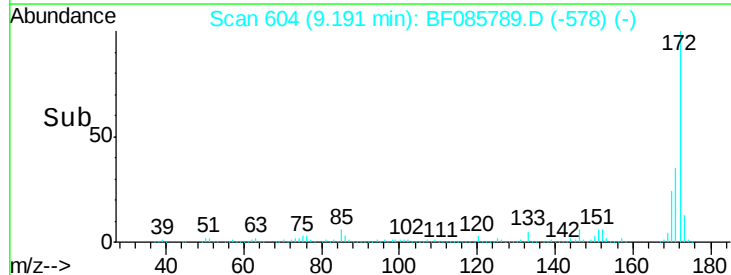
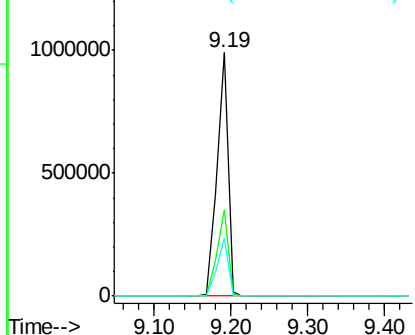


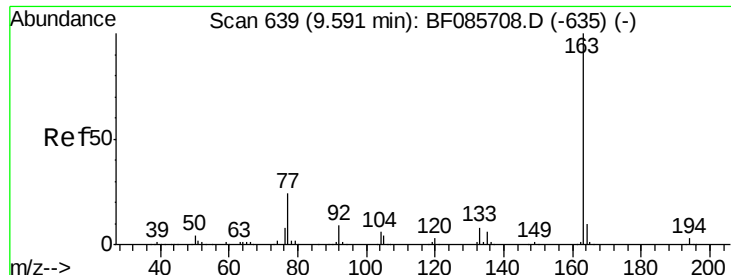
#44
 2-Fluorobiphenyl
 Concen: 107.12 ng
 RT: 9.19 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: BF085789.D
 Acq: 26 Mar 2016 4:21

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.4	44.2
170	24.0	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: 13.32 ng

RT: 9.58 min Scan# 638

Delta R.T. -0.01 min

Lab File: BF085789.D

Acq: 26 Mar 2016 4:21

Instrument :

BNA_F

ClientSampleId :

S-PG-B(0-6)

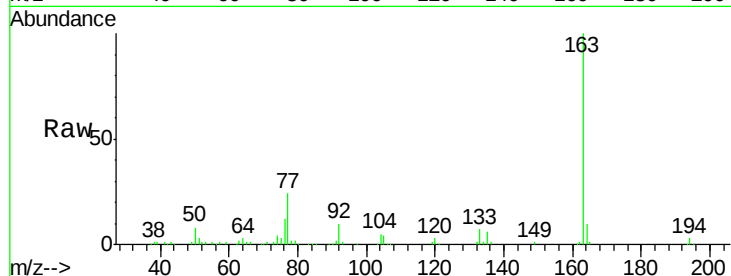
Tgt Ion:163 Resp: 155165

Ion Ratio Lower Upper

163 100

194 3.3 2.9 4.3

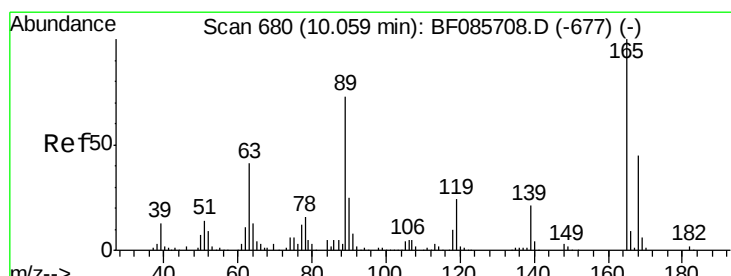
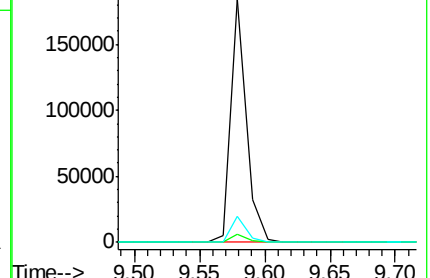
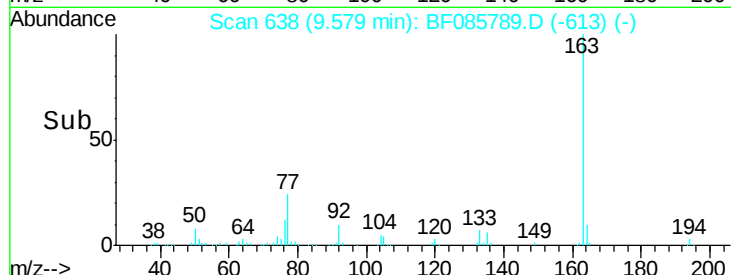
164 10.5 8.3 12.5



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: 6.00 ng

RT: 9.86 min Scan# 663

Delta R.T. -0.19 min

Lab File: BF085789.D

Acq: 26 Mar 2016 4:21

Tgt Ion:165 Resp: 19122

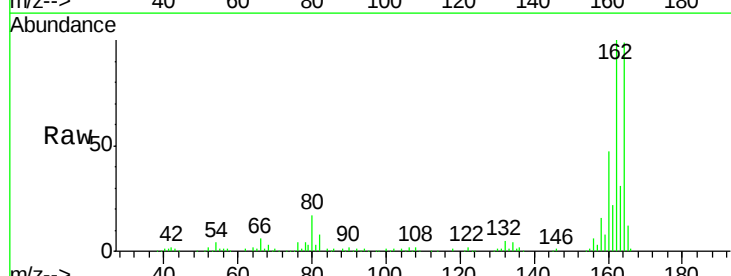
Ion Ratio Lower Upper

165 100

63 0.0 24.9 37.3#

89 2.4 41.0 61.6#

182 0.0 2.1 3.1#

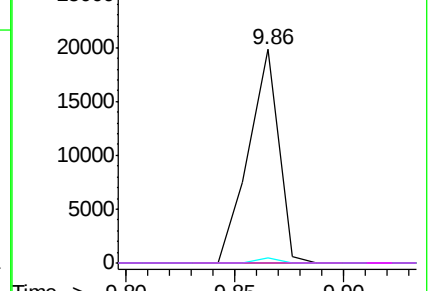
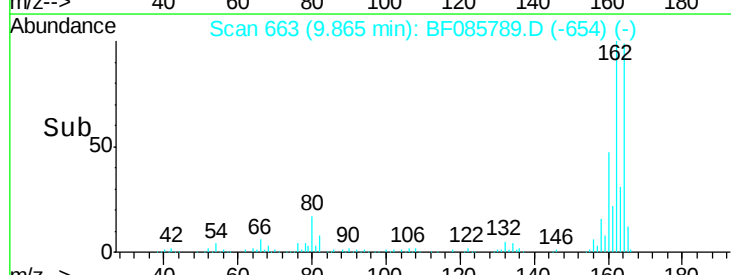


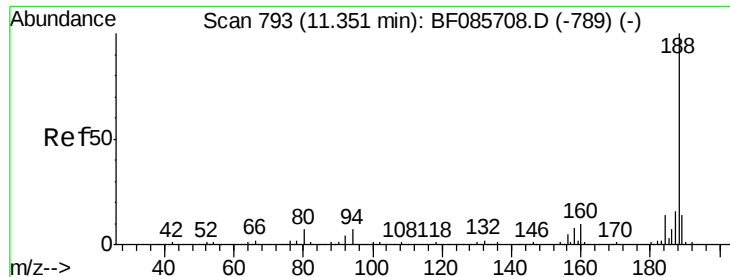
Abundance Ion 165.00 (164.70 to 165.70): E

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

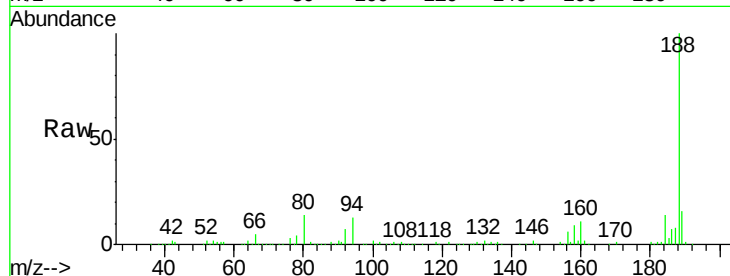




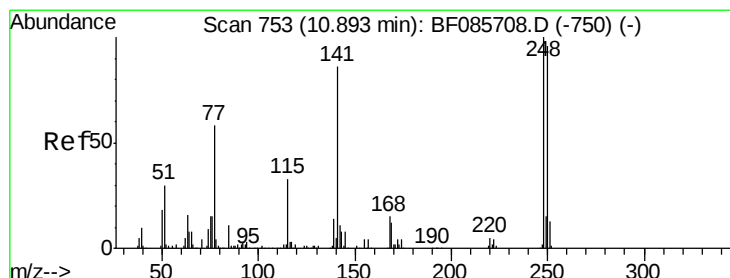
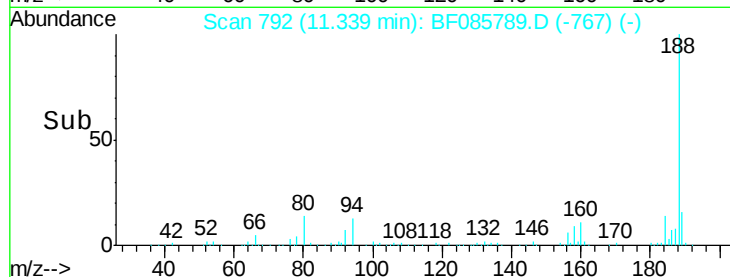
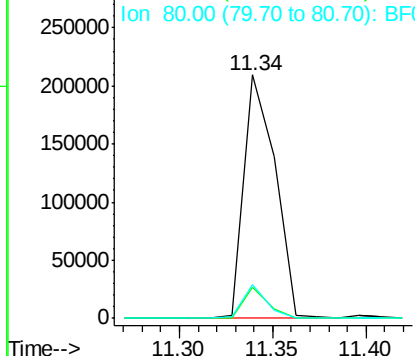
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.34 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF085789.D
Acq: 26 Mar 2016 4:21

Instrument :
BNA_F
ClientSampled :
S-PG-B(0-6)

Tgt Ion:188 Resp: 244078
Ion Ratio Lower Upper
188 100
94 13.0 5.4 8.0#
80 13.6 5.5 8.3#

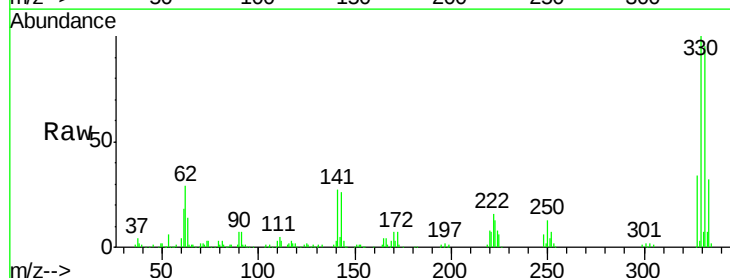


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

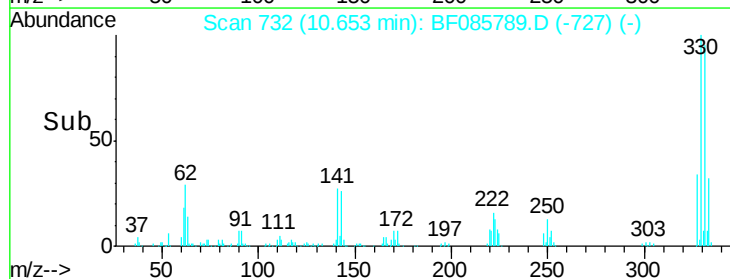
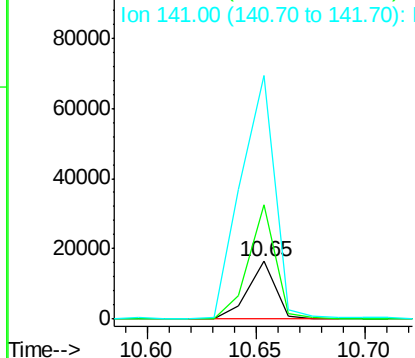


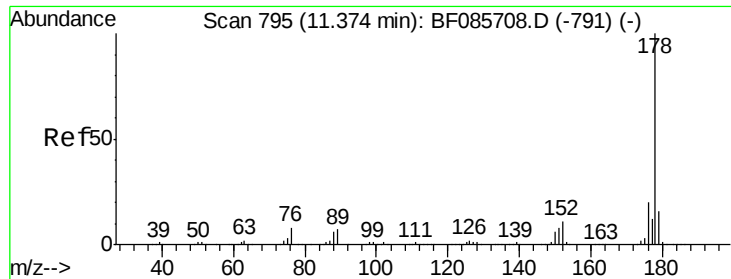
#66
4-Bromophenyl-phenylether
Concen: 5.71 ng
RT: 10.65 min Scan# 732
Delta R.T. -0.24 min
Lab File: BF085789.D
Acq: 26 Mar 2016 4:21

Tgt Ion:248 Resp: 14258
Ion Ratio Lower Upper
248 100
250 198.7 77.4 116.0#
141 422.2 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

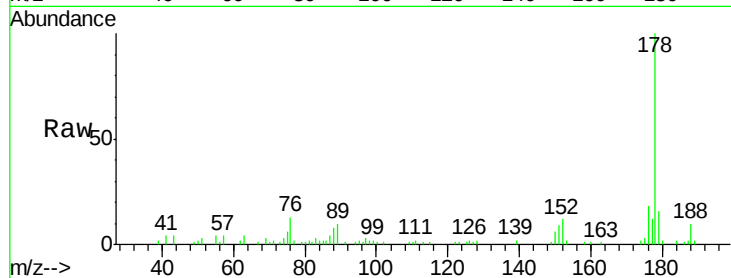




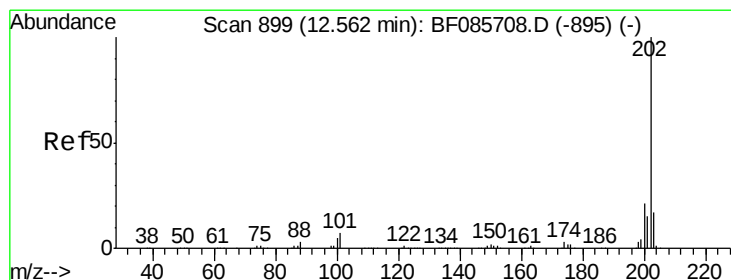
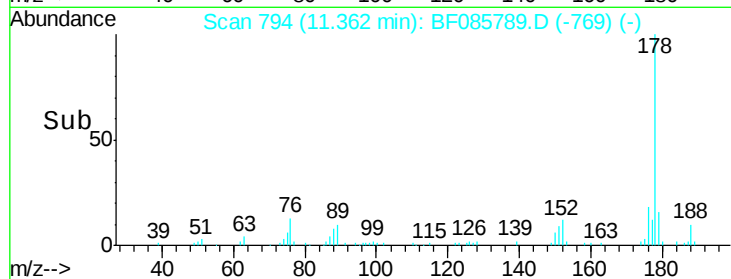
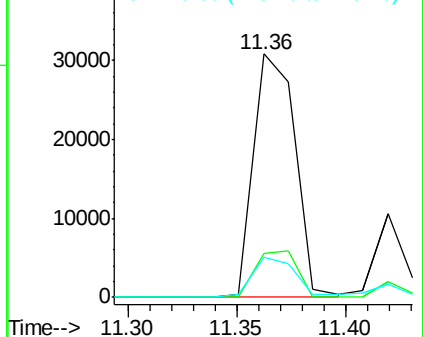
#70
Phenanthrene
Concen: 3.28 ng
RT: 11.36 min Scan# 794
Delta R.T. -0.01 min
Lab File: BF085789.D
Acq: 26 Mar 2016 4:21

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

Tgt Ion:178 Resp: 41099
Ion Ratio Lower Upper
178 100
176 18.2 16.3 24.5
179 16.5 12.6 18.8

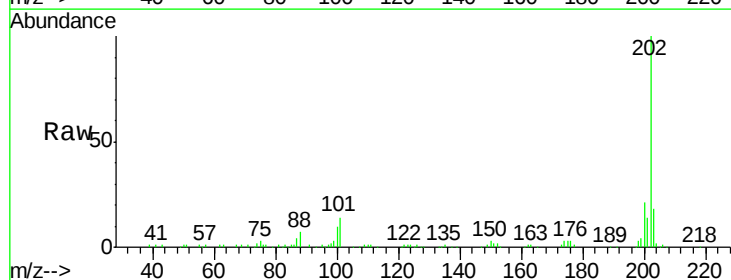


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

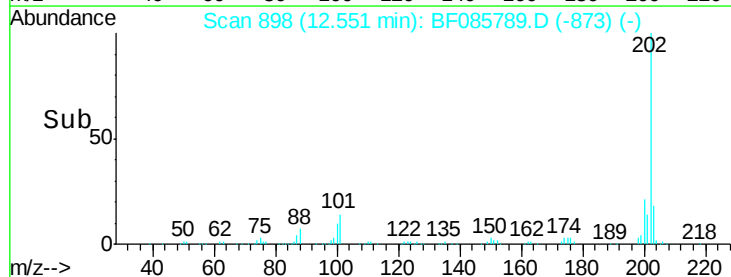
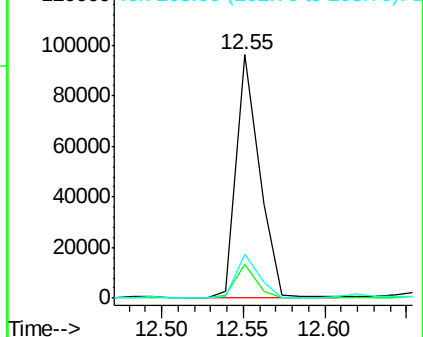


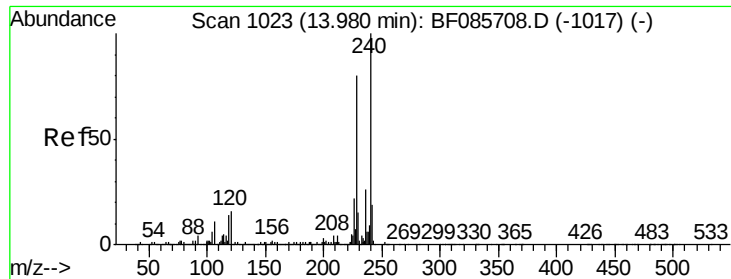
#74
Fluoranthene
Concen: 7.18 ng
RT: 12.55 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF085789.D
Acq: 26 Mar 2016 4:21

Tgt Ion:202 Resp: 95608
Ion Ratio Lower Upper
202 100
101 13.7 0.0 36.6
203 18.0 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: 13.98 min Scan# 1023

Delta R.T. 0.00 min

Lab File: BF085789.D

Acq: 26 Mar 2016 4:21

Instrument :

BNA_F

ClientSampleId :

S-PG-B(0-6)

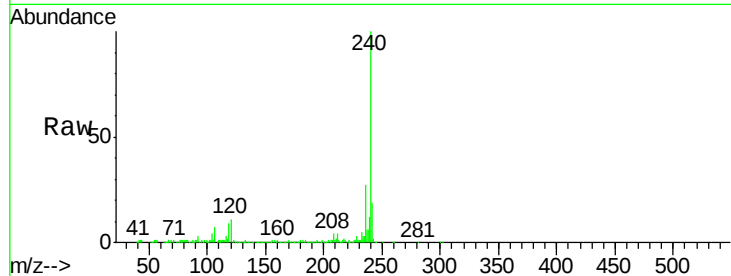
Tgt Ion:240 Resp: 225105

Ion Ratio Lower Upper

240 100

120 10.8 13.8 20.8#

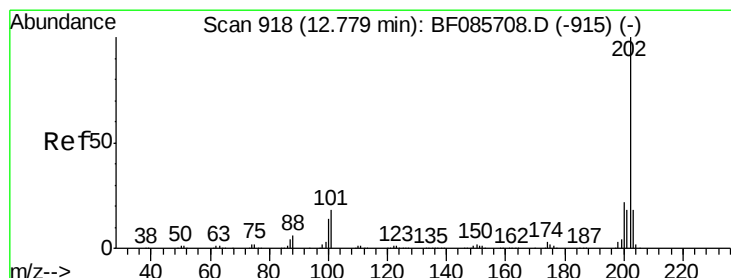
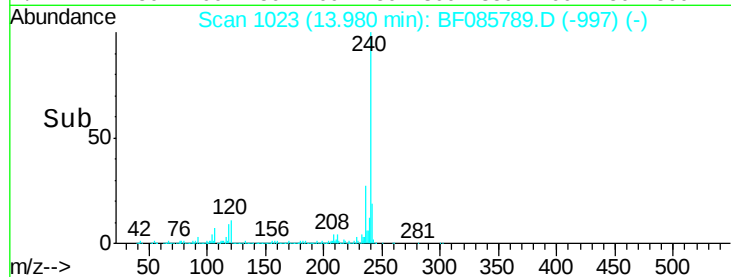
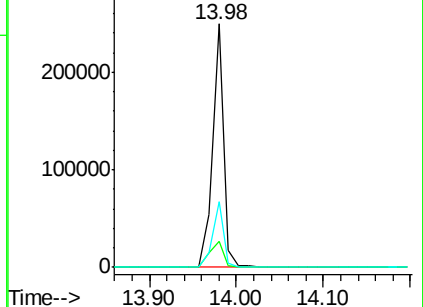
236 26.7 20.6 30.8



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: 5.16 ng

RT: 12.78 min Scan# 918

Delta R.T. 0.00 min

Lab File: BF085789.D

Acq: 26 Mar 2016 4:21

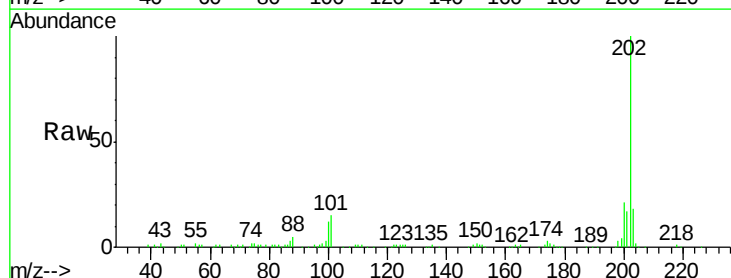
Tgt Ion:202 Resp: 95475

Ion Ratio Lower Upper

202 100

200 21.1 17.6 26.4

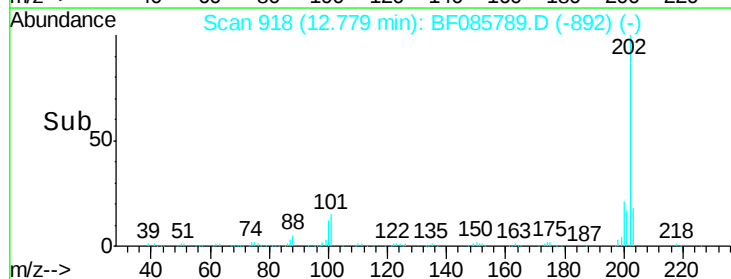
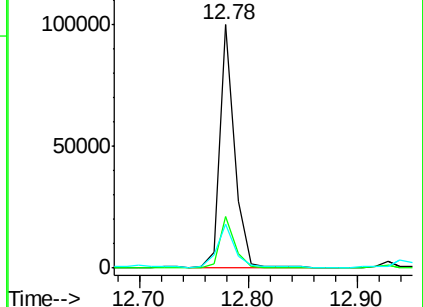
203 18.2 14.0 21.0

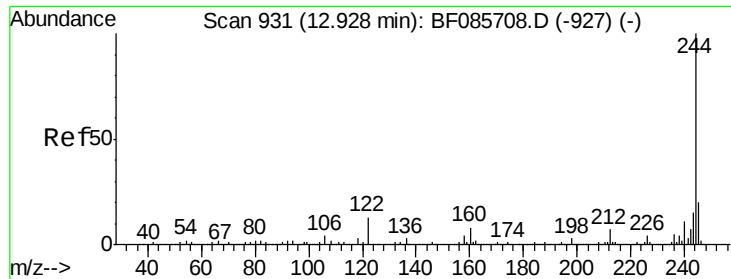


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

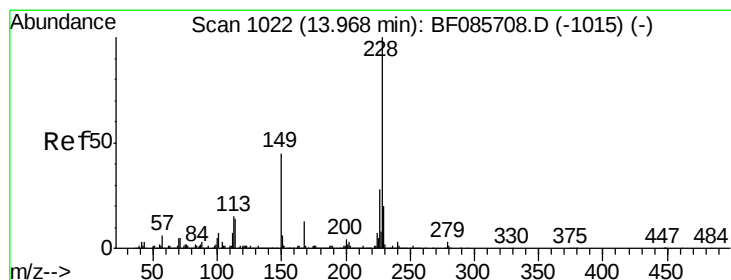
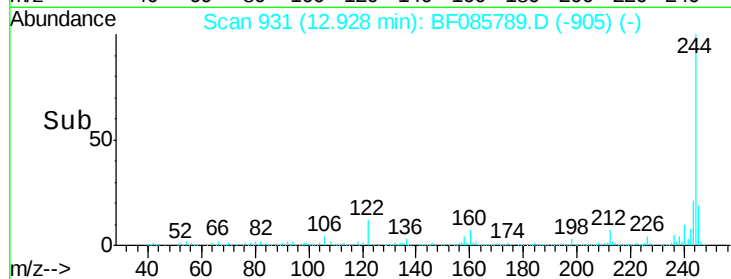
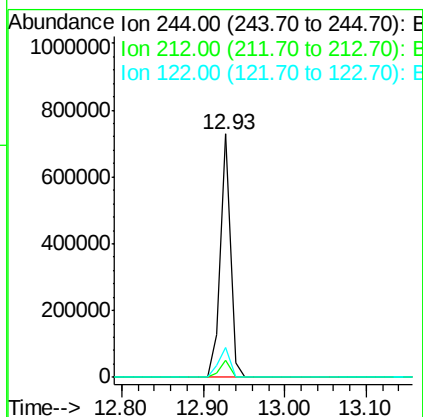
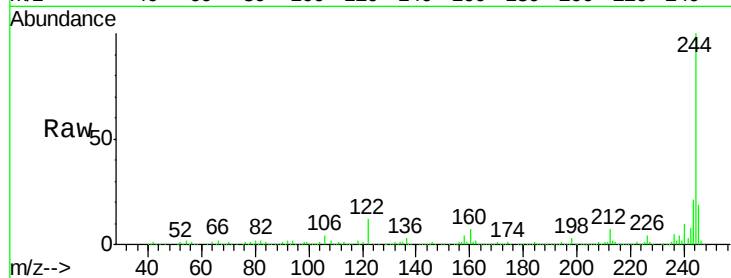




#78
 Terphenyl-d14
 Concen: 56.79 ng
 RT: 12.93 min Scan# 931
 Delta R.T. 0.00 min
 Lab File: BF085789.D
 Acq: 26 Mar 2016 4:21

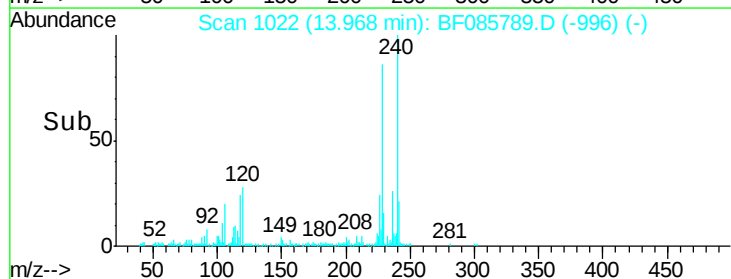
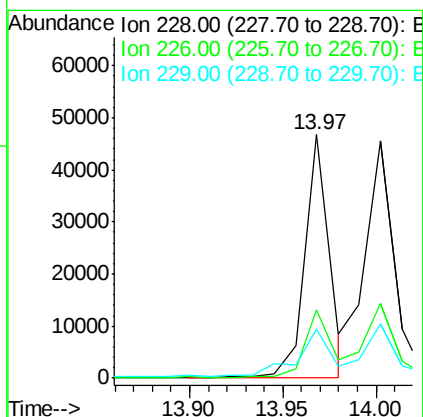
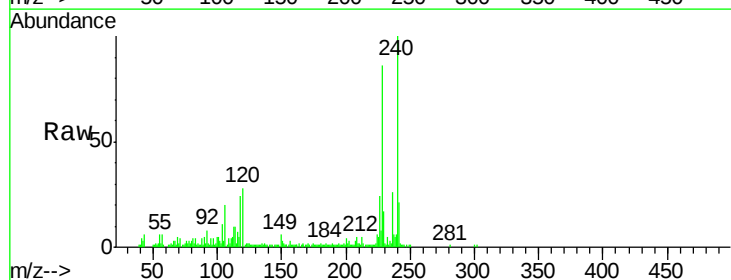
Instrument :
 BNA_F
 ClientSampleId :
 S-PG-B(0-6)

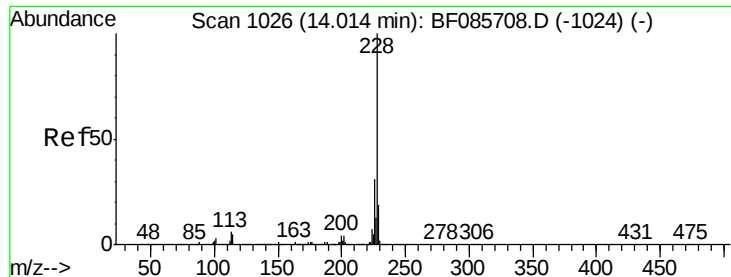
Tgt Ion: 244 Resp: 621615
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.1 9.1
 122 12.0 10.2 15.4



#80
 Benzo(a)anthracene
 Concen: 3.35 ng
 RT: 13.97 min Scan# 1022
 Delta R.T. 0.00 min
 Lab File: BF085789.D
 Acq: 26 Mar 2016 4:21

Tgt Ion: 228 Resp: 43052
 Ion Ratio Lower Upper
 228 100
 226 28.2 22.1 33.1
 229 20.0 16.2 24.4





#82

Chrysene

Concen: 3.04 ng

RT: 14.00 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF085789.D

Acq: 26 Mar 2016 4:21

Instrument :

BNA_F

ClientSampleId :

S-PG-B(0-6)

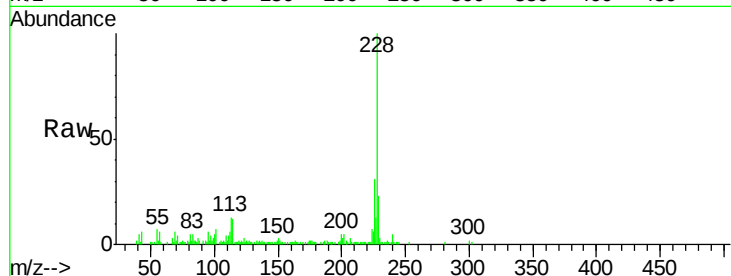
Tgt Ion:228 Resp: 39333

Ion Ratio Lower Upper

228 100

226 31.2 25.0 37.6

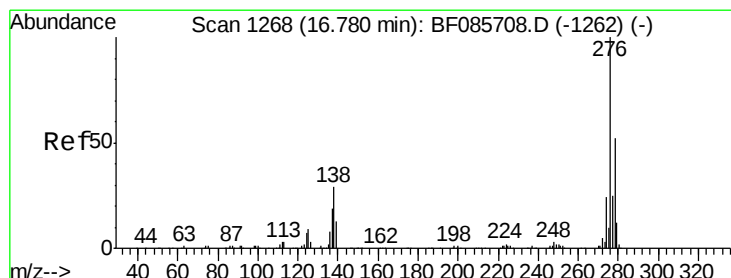
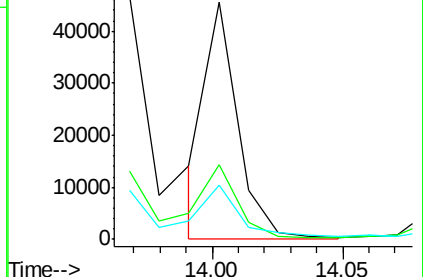
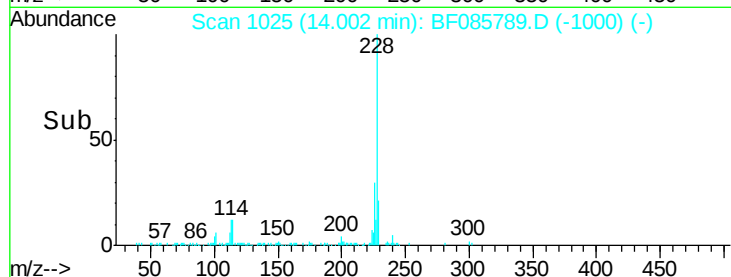
229 22.8 15.7 23.5



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: 2.05 ng

RT: 16.78 min Scan# 1268

Delta R.T. 0.00 min

Lab File: BF085789.D

Acq: 26 Mar 2016 4:21

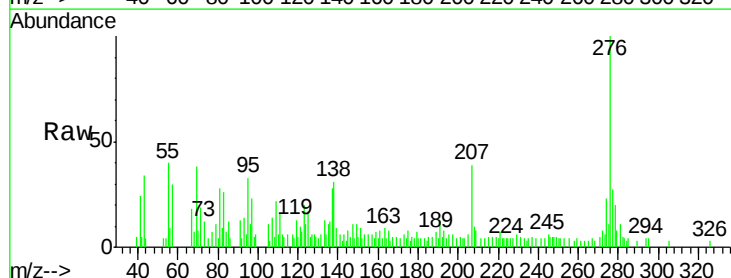
Tgt Ion:276 Resp: 20516

Ion Ratio Lower Upper

276 100

138 23.2 24.2 36.4#

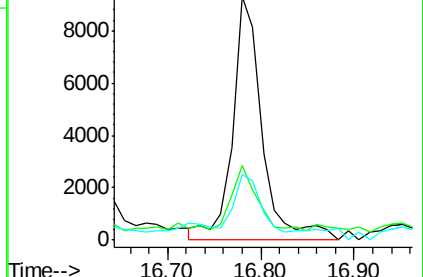
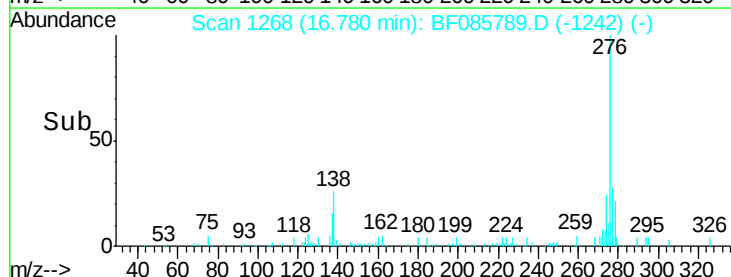
277 20.3 20.0 30.0

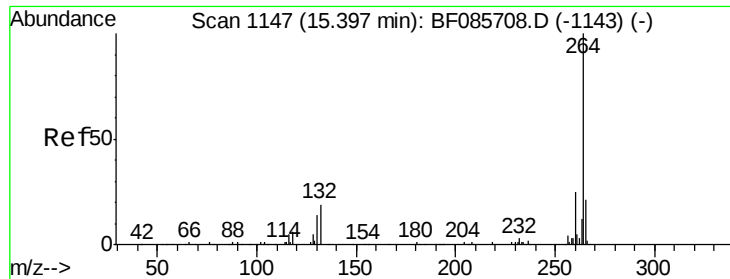


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

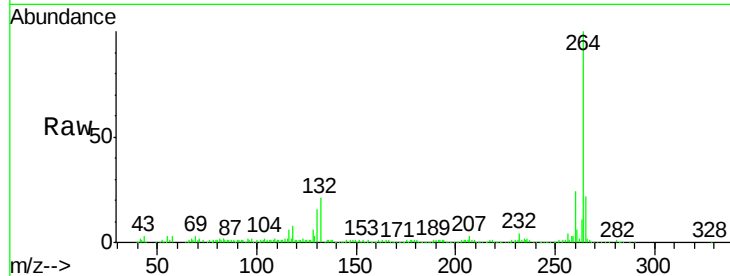




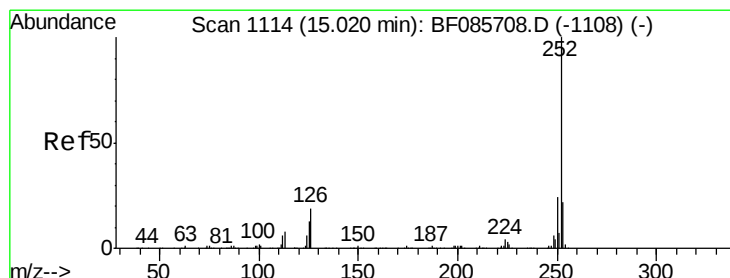
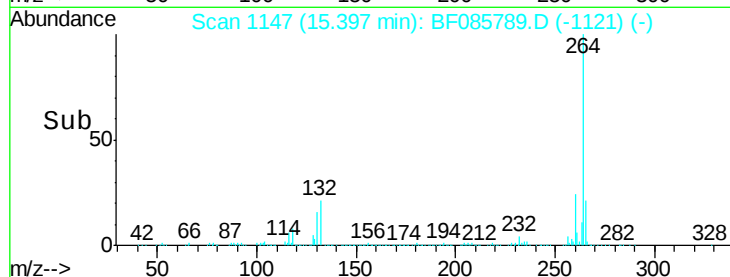
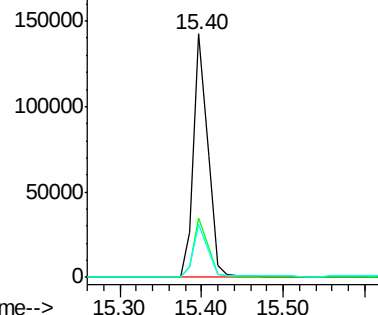
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.40 min Scan# 1147
Delta R.T. 0.00 min
Lab File: BF085789.D
Acq: 26 Mar 2016 4:21

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

Tgt Ion:264 Resp: 175348
Ion Ratio Lower Upper
264 100
260 24.1 19.4 29.2
265 21.7 17.2 25.8

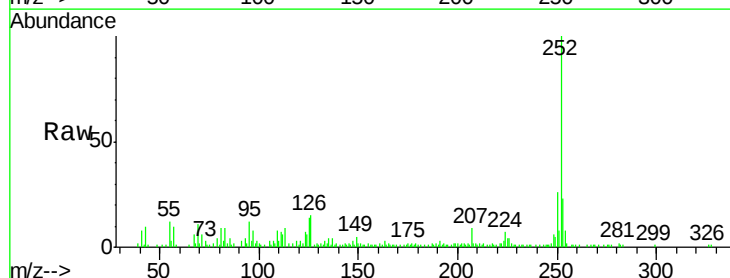


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

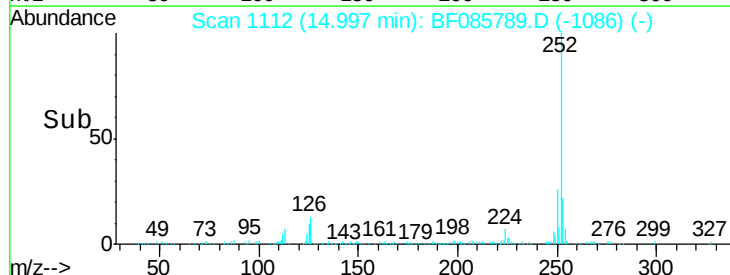
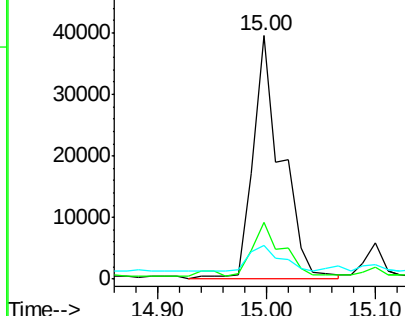


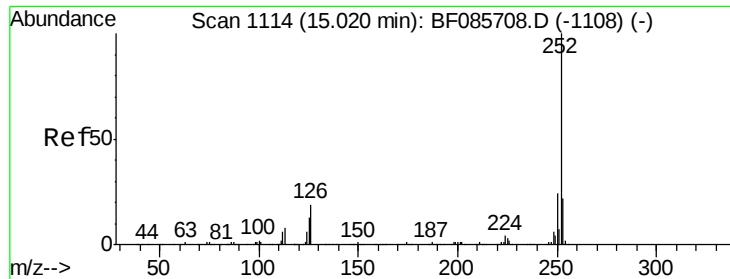
#87
Benzo(b)fluoranthene
Concen: 6.52 ng
RT: 15.00 min Scan# 1112
Delta R.T. 0.00 min
Lab File: BF085789.D
Acq: 26 Mar 2016 4:21

Tgt Ion:252 Resp: 72000
Ion Ratio Lower Upper
252 100
253 23.4 17.6 26.4
125 13.7 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

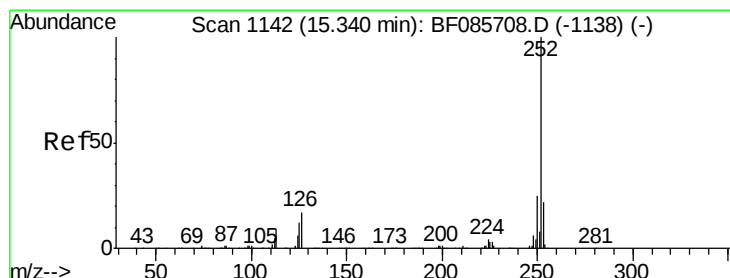
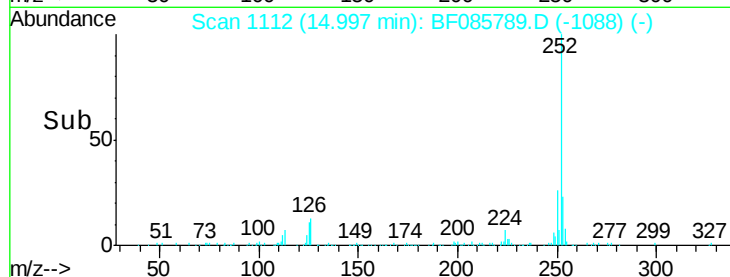
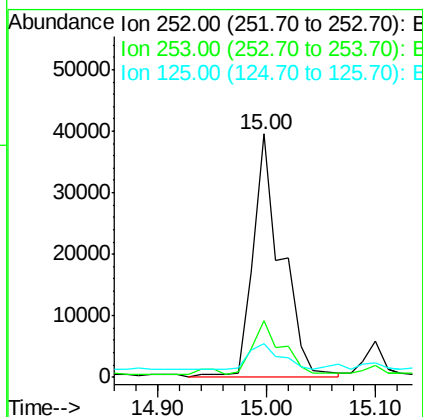
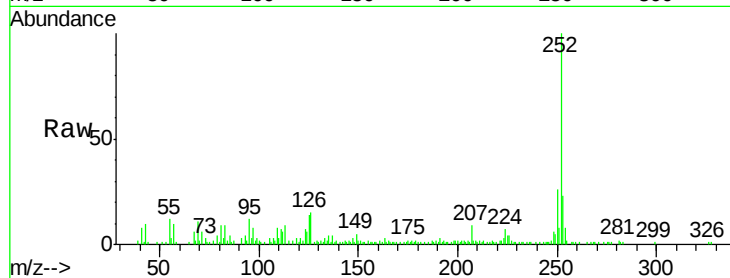




#88
Benzo(k)fluoranthene
Concen: 7.23 ng
RT: 15.00 min Scan# 1112
Delta R.T. -0.02 min
Lab File: BF085789.D
Acq: 26 Mar 2016 4:21

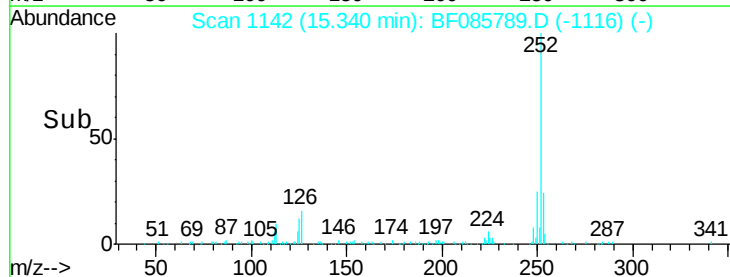
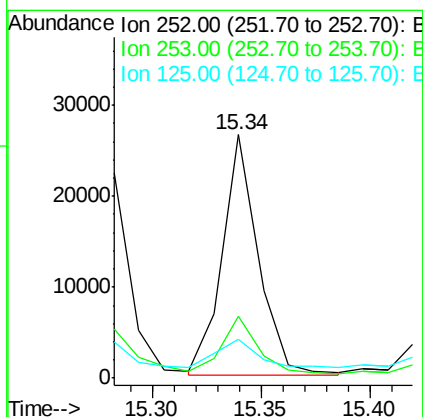
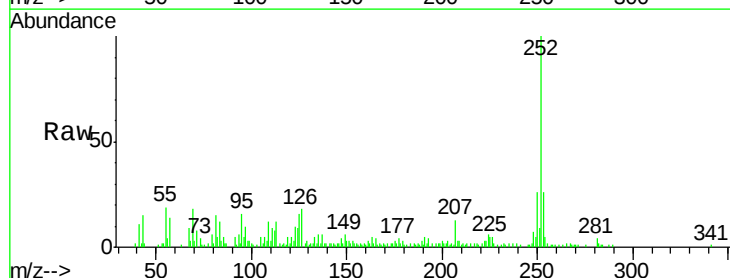
Instrument :
BNA_F
ClientSampleId :
S-PG-B(0-6)

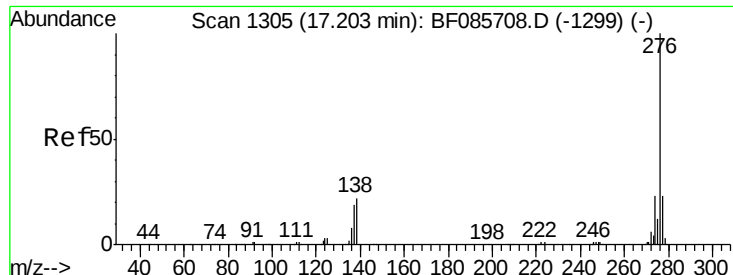
Tgt Ion: 252 Resp: 72000
Ion Ratio Lower Upper
252 100
253 23.4 17.8 26.6
125 13.7 7.7 11.5#



#89
Benzo(a)pyrene
Concen: 3.11 ng
RT: 15.34 min Scan# 1142
Delta R.T. 0.00 min
Lab File: BF085789.D
Acq: 26 Mar 2016 4:21

Tgt Ion: 252 Resp: 30494
Ion Ratio Lower Upper
252 100
253 25.6 17.4 26.0
125 16.0 10.3 15.5#





#91

Benzo(g,h,i)perylene

Concen: 2.10 ng

RT: 17.20 min Scan# 1305

Delta R.T. 0.00 min

Lab File: BF085789.D

Acq: 26 Mar 2016 4:21

Instrument :

BNA_F

ClientSampleId :

S-PG-B(0-6)

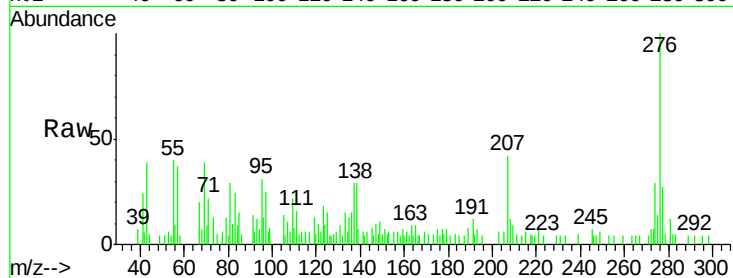
Tgt Ion: 276 Resp: 19379

Ion Ratio Lower Upper

276 100

277 27.1 18.8 28.2

138 28.5 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

