

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072715\
 Data File : BF080691.D
 Acq On : 28 Jul 2015 1:32
 Operator : TP/UM
 Sample : G3084-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUMBO-EP-2

Quant Time: Jul 28 08:15:26 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 28 05:06:30 2015
 Response via : Initial Calibration

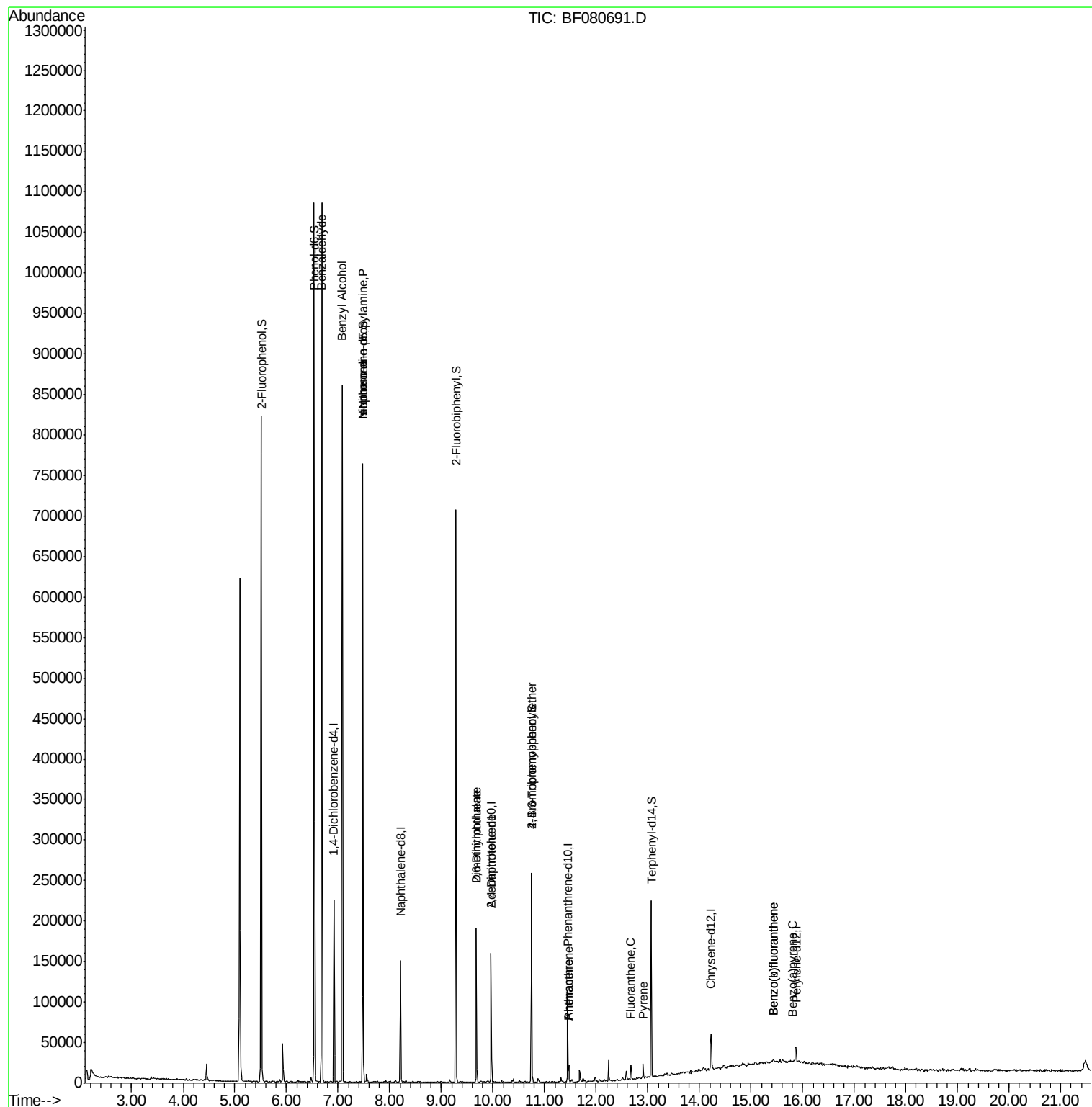
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	29834	20.00	ng	0.00
21) Naphthalene-d8	8.21	136	84662	20.00	ng	0.00
38) Acenaphthene-d10	9.96	164	29631	20.00	ng	0.00
63) Phenanthrene-d10	11.45	188	38407	20.00	ng	0.00
75) Chrysene-d12	14.23	240	20600	20.00	ng	-0.02
86) Perylene-d12	15.87	264	11578	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	298807	159.52	ng	0.01
7) Phenol-d6	6.53	99	321854	159.70	ng	0.00
23) Nitrobenzene-d5	7.48	82	203130	123.27	ng	0.00
41) 2,4,6-Tribromophenol	10.75	330	33368	128.67	ng	0.00
44) 2-Fluorobiphenyl	9.29	172	229734	97.69	ng	0.00
78) Terphenyl-d14	13.07	244	96902	80.58	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.68	77	7094	5.20	ng	82
15) Benzyl Alcohol	7.08	79	4650	2.82	ng	# 51
19) n-Nitroso-di-n-propylamine	7.48	70	27667	23.33	ng	# 66
25) Isophorone	7.48	82	180965	70.55	ng	# 63
49) Dimethylphthalate	9.68	163	66687	34.62	ng	100
50) 2,6-Dinitrotoluene	9.68	165	779	2.04	ng	# 1
56) 2,4-Dinitrotoluene	9.96	165	3528	8.12	ng	# 33
66) 4-Bromophenyl-phenylether	10.75	248	2082	5.08	ng	# 1
70) Phenanthrene	11.47	178	8444	3.85	ng	98
71) Anthracene	11.47	178	8444	3.96	ng	94
74) Fluoranthene	12.67	202	8589	5.00	ng	87
77) Pyrene	12.91	202	8094	4.69	ng	97
87) Benzo(b)fluoranthene	15.43	252	3427	4.07	ng	# 86
88) Benzo(k)fluoranthene	15.43	252	3427	4.43	ng	# 86
89) Benzo(a)pyrene	15.80	252	1591	2.47	ng	# 78

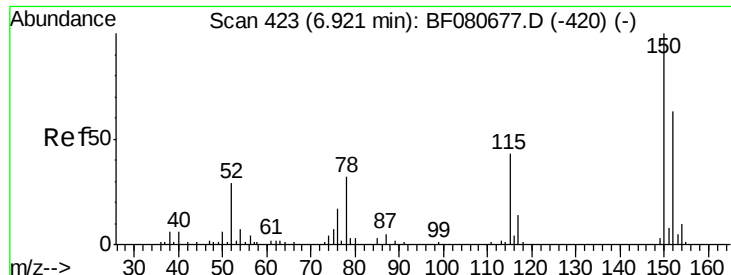
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jul 28 05:06:30 2015
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.92 min Scan# 423

Delta R.T. -0.00 min

Lab File: BF080691.D

Acq: 28 Jul 2015 1:32

Instrument :

BNA_F

ClientSampleId :

DUMBO-EP-2

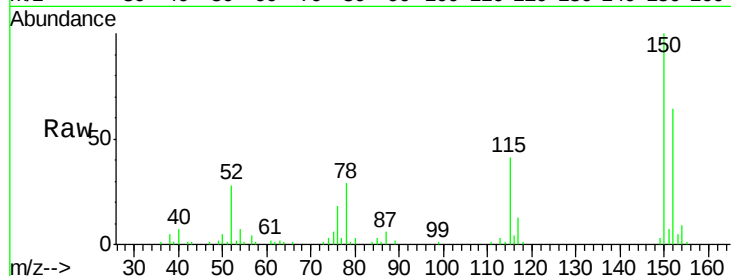
Tgt Ion:152 Resp: 29834

Ion Ratio Lower Upper

152 100

150 155.7 127.7 191.5

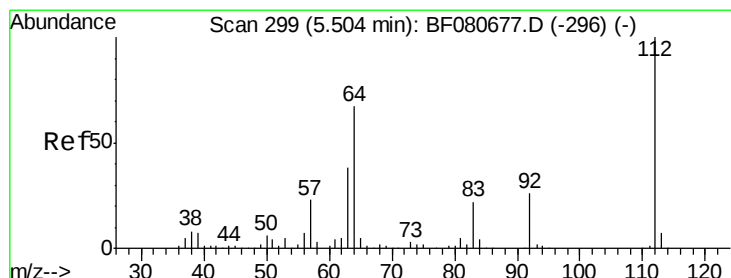
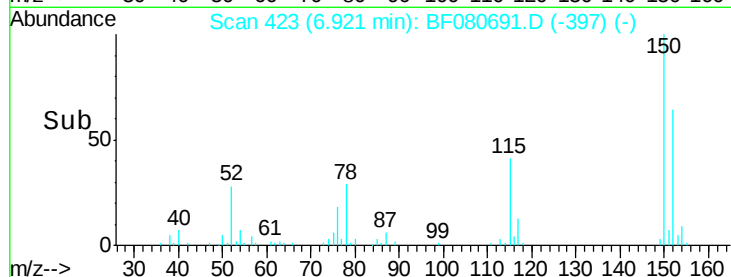
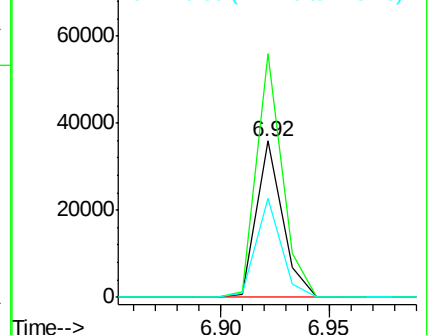
115 63.3 54.2 81.4



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: 159.52 ng

RT: 5.52 min Scan# 300

Delta R.T. 0.01 min

Lab File: BF080691.D

Acq: 28 Jul 2015 1:32

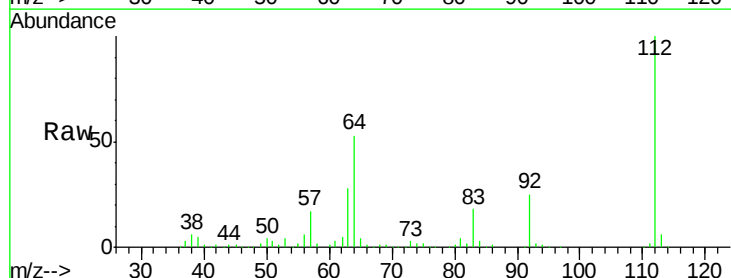
Tgt Ion:112 Resp: 298807

Ion Ratio Lower Upper

112 100

64 52.6 53.2 79.8#

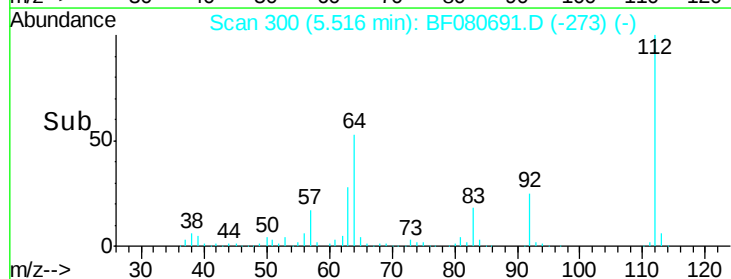
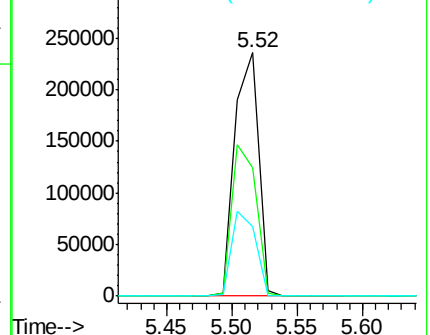
63 28.5 30.4 45.6#

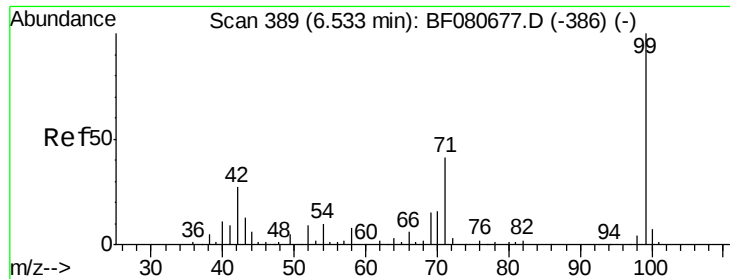


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 159.70 ng

RT: 6.53 min Scan# 389

Delta R.T. -0.00 min

Lab File: BF080691.D

Acq: 28 Jul 2015 1:32

Instrument :

BNA_F

ClientSampleId :

DUMBO-EP-2

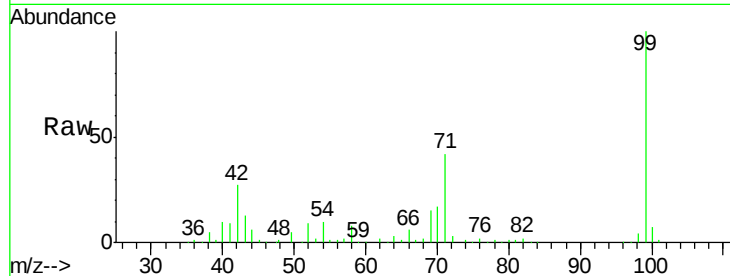
Tgt Ion: 99 Resp: 321854

Ion Ratio Lower Upper

99 100

42 27.0 21.8 32.8

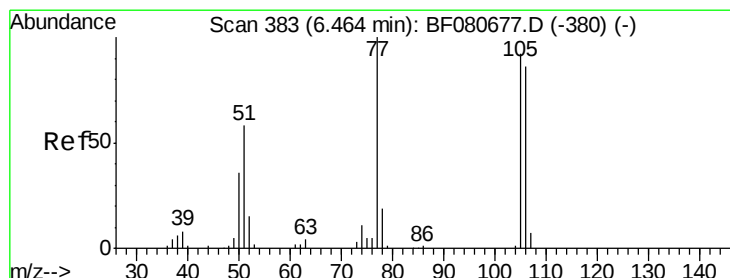
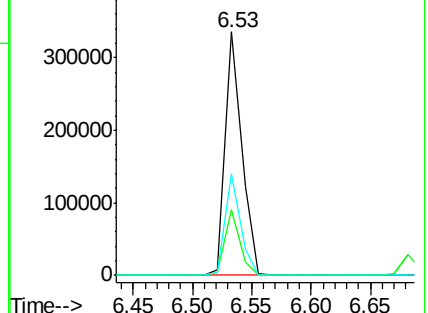
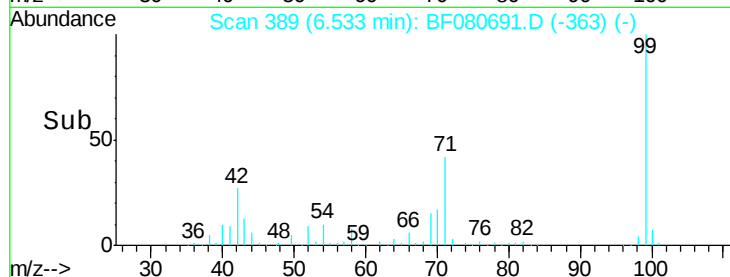
71 41.8 32.9 49.3



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: 5.20 ng

RT: 6.68 min Scan# 402

Delta R.T. 0.22 min

Lab File: BF080691.D

Acq: 28 Jul 2015 1:32

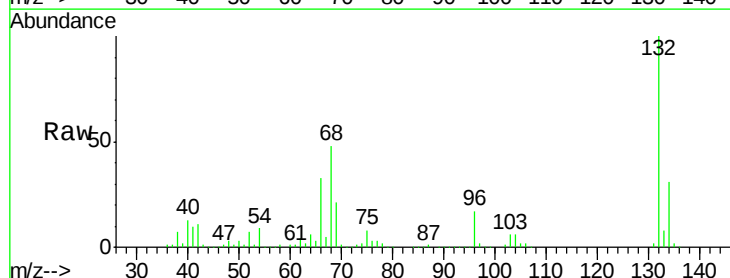
Tgt Ion: 77 Resp: 7094

Ion Ratio Lower Upper

77 100

105 76.9 72.1 112.1

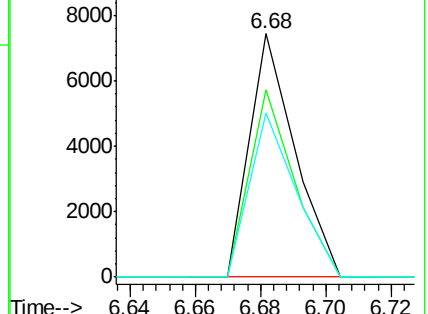
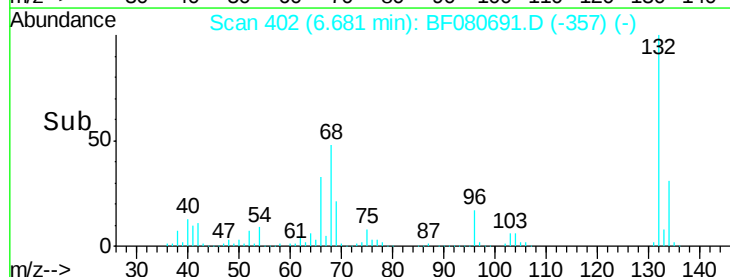
106 67.4 65.5 105.5

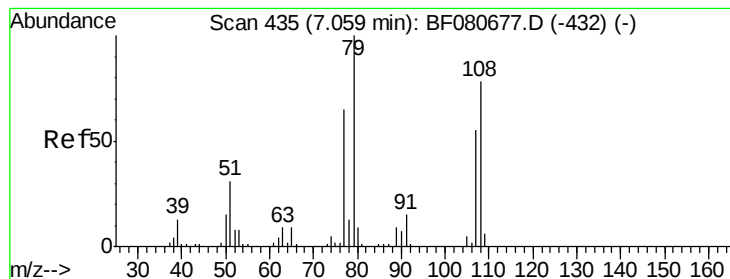


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B





#15

Benzyl Alcohol

Concen: 2.82 ng

RT: 7.08 min Scan# 437

Delta R.T. 0.02 min

Lab File: BF080691.D

Acq: 28 Jul 2015 1:32

Instrument :

BNA_F

ClientSampleId :

DUMBO-EP-2

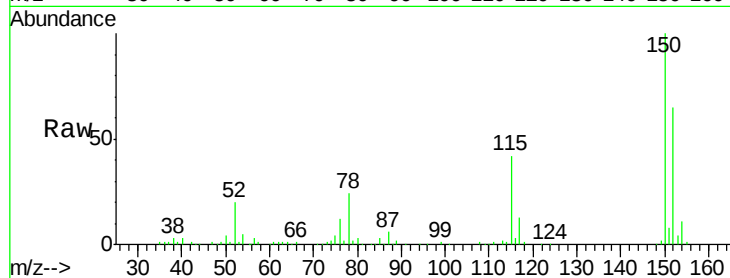
Tgt Ion: 79 Resp: 4650

Ion Ratio Lower Upper

79 100

108 27.9 62.7 94.1#

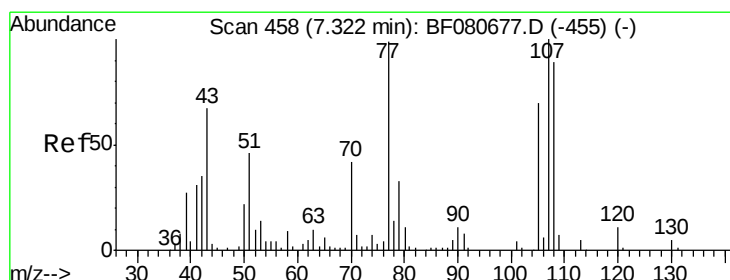
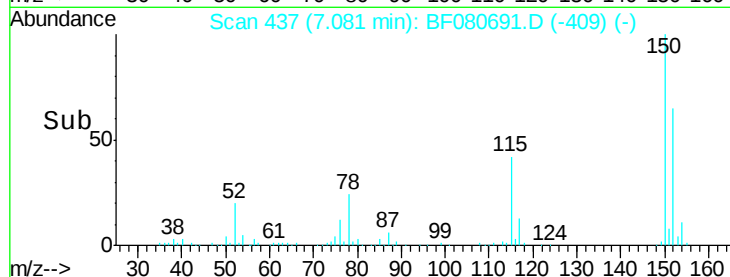
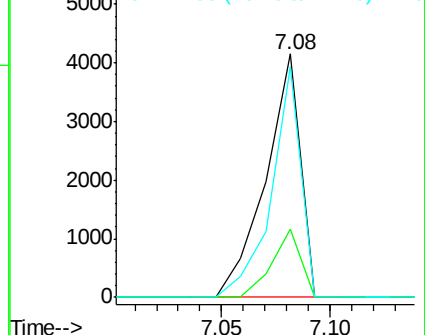
77 94.8 51.8 77.8#



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: 23.33 ng

RT: 7.48 min Scan# 472

Delta R.T. 0.16 min

Lab File: BF080691.D

Acq: 28 Jul 2015 1:32

Tgt Ion: 70 Resp: 27667

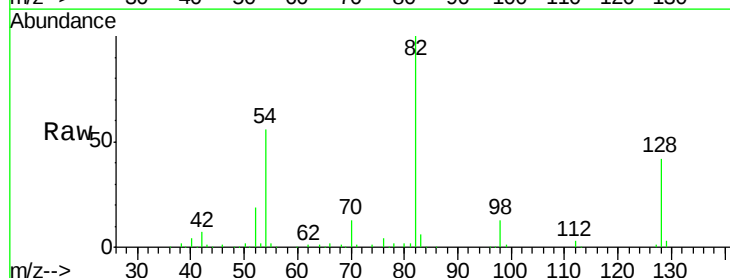
Ion Ratio Lower Upper

70 100

42 52.4 67.4 101.2#

101 0.0 7.3 10.9#

130 0.0 10.5 15.7#

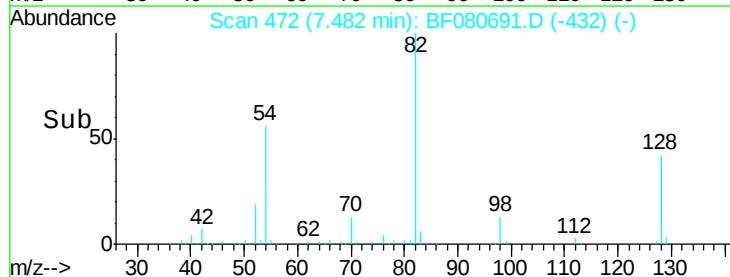
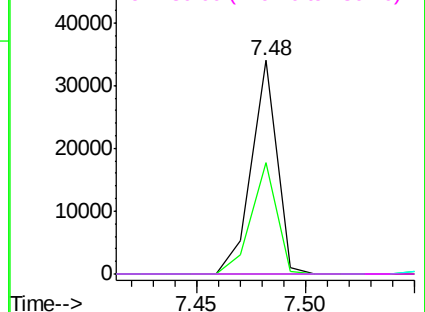


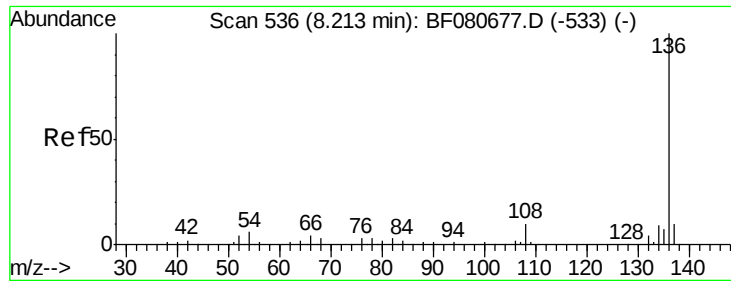
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

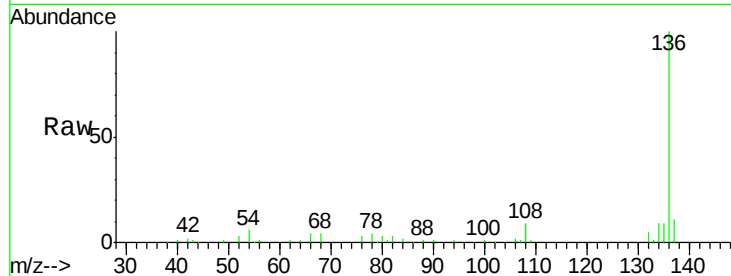




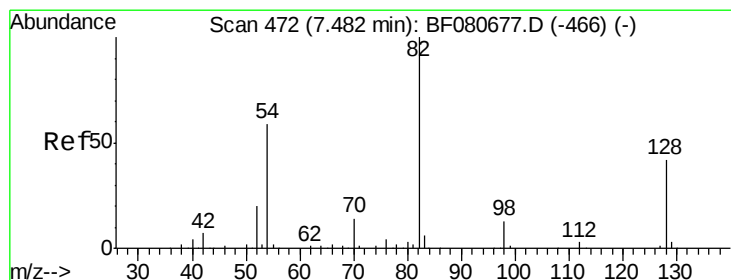
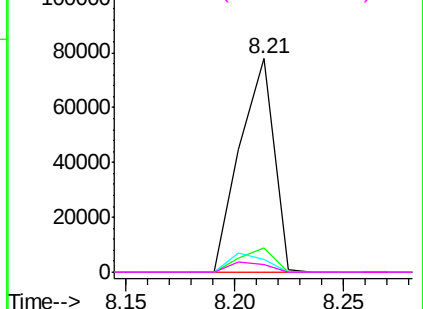
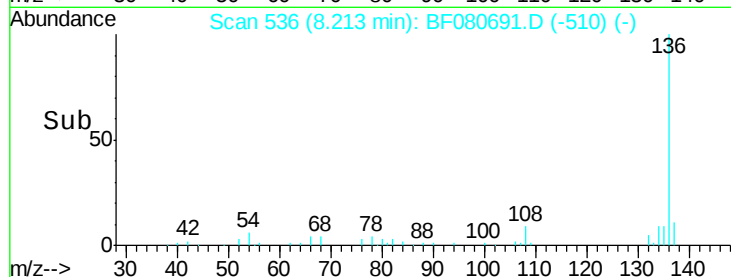
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.21 min Scan# 536
Delta R.T. -0.00 min
Lab File: BF080691.D
Acq: 28 Jul 2015 1:32

Instrument :
BNA_F
ClientSampleId :
DUMBO-EP-2

Tgt Ion:	136	Resp:	84662
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.2	12.2
54	5.8	5.0	7.4
68	3.5	2.7	4.1

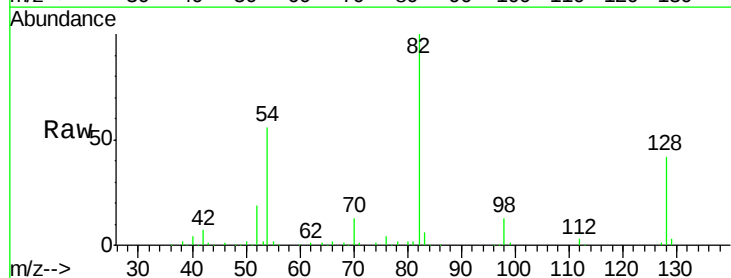


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

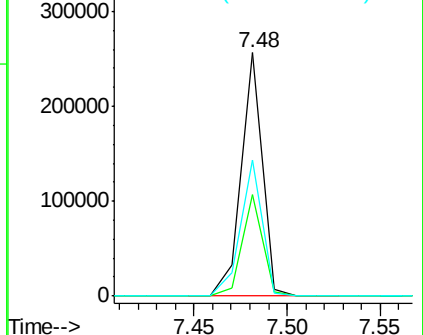
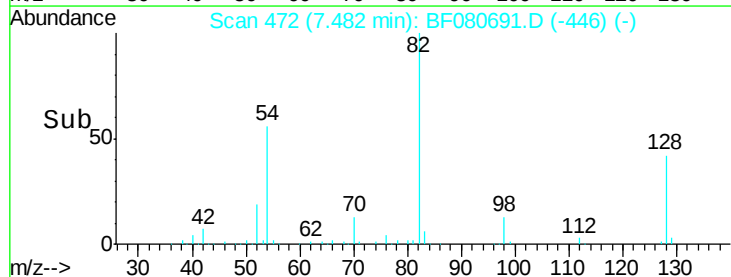


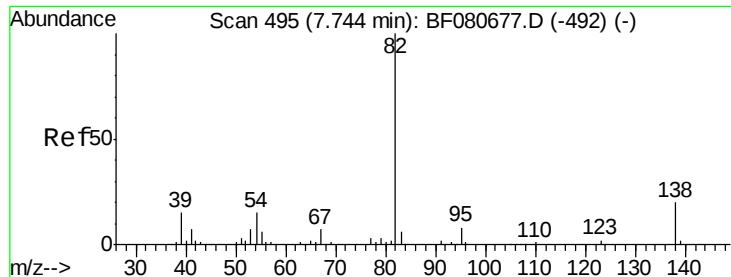
#23
Nitrobenzene-d5
Concen: 123.27 ng
RT: 7.48 min Scan# 472
Delta R.T. 0.00 min
Lab File: BF080691.D
Acq: 28 Jul 2015 1:32

Tgt Ion:	82	Resp:	203130
Ion	Ratio	Lower	Upper
82	100		
128	41.8	33.7	50.5
54	55.8	47.3	70.9



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: 70.55 ng

RT: 7.48 min Scan# 472

Delta R.T. -0.26 min

Lab File: BF080691.D

Acq: 28 Jul 2015 1:32

Instrument :

BNA_F

ClientSampleId :

DUMBO-EP-2

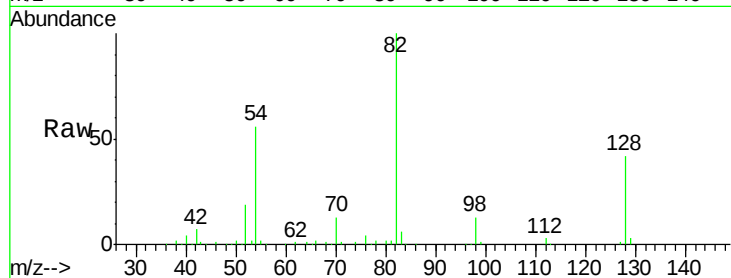
Tgt Ion: 82 Resp: 180965

Ion Ratio Lower Upper

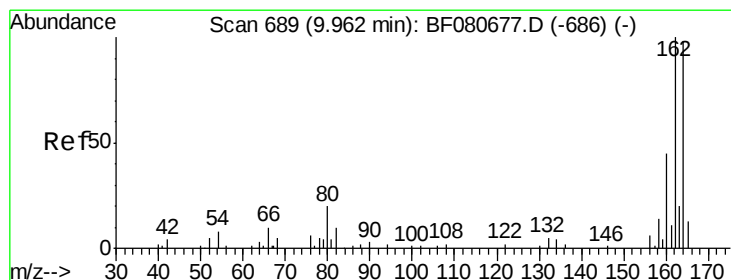
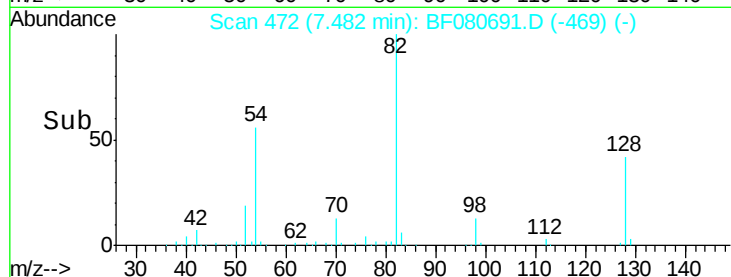
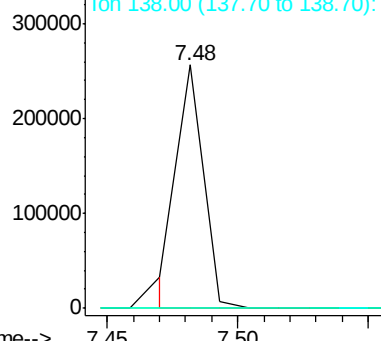
82 100

95 0.0 6.2 9.2#

138 0.0 15.8 23.6#



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): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.96 min Scan# 689

Delta R.T. -0.00 min

Lab File: BF080691.D

Acq: 28 Jul 2015 1:32

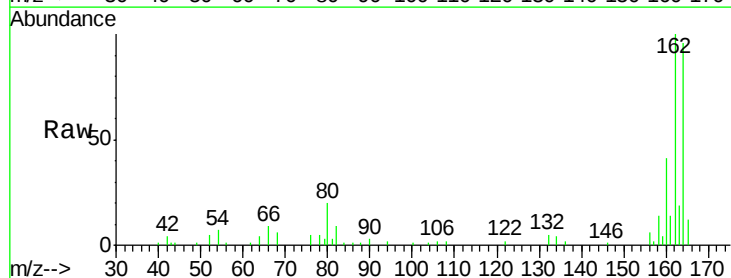
Tgt Ion: 164 Resp: 29631

Ion Ratio Lower Upper

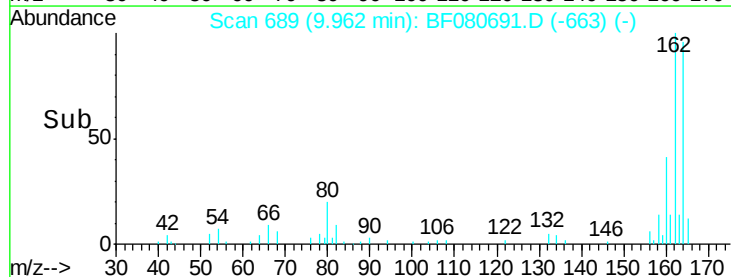
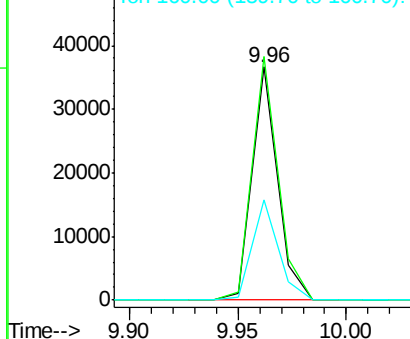
164 100

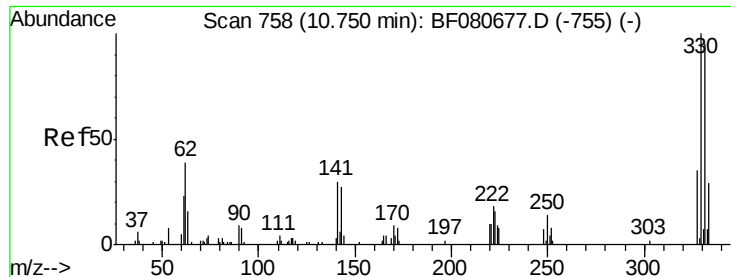
162 104.4 82.0 123.0

160 42.9 36.7 55.1



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

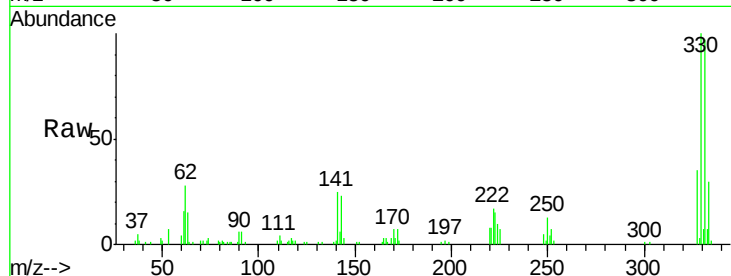




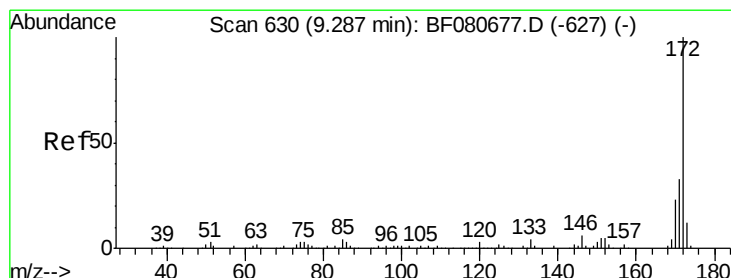
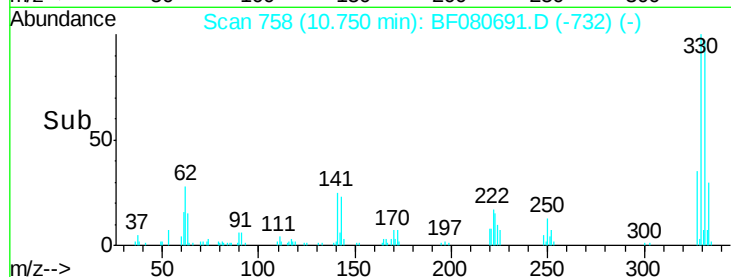
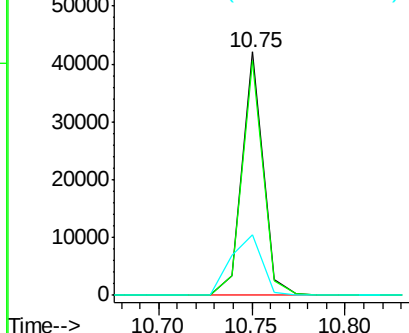
#41
 2,4,6-Tribromophenol
 Concen: 128.67 ng
 RT: 10.75 min Scan# 758
 Delta R.T. 0.00 min
 Lab File: BF080691.D
 Acq: 28 Jul 2015 1:32

Instrument :
 BNA_F
 ClientSampleId :
 DUMBO-EP-2

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.0	76.9	115.3
141	36.6	30.6	45.8

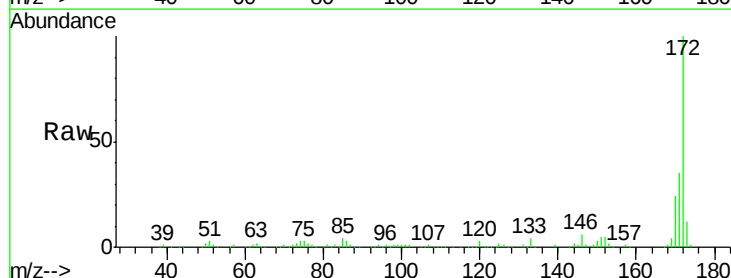


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

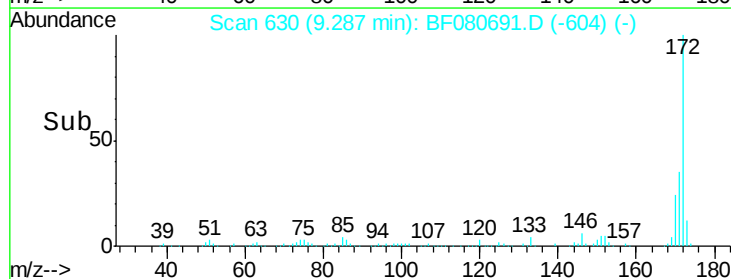
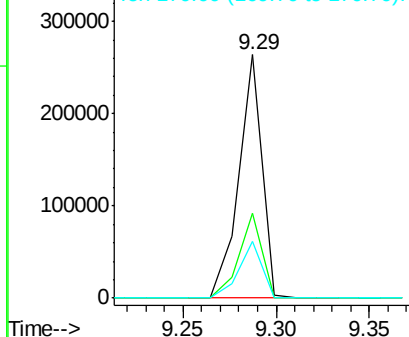


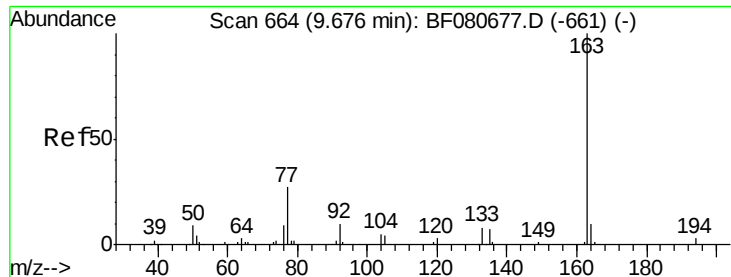
#44
 2-Fluorobiphenyl
 Concen: 97.69 ng
 RT: 9.29 min Scan# 630
 Delta R.T. -0.00 min
 Lab File: BF080691.D
 Acq: 28 Jul 2015 1:32

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	26.6	39.8
170	23.5	18.6	28.0



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





#49

Dimethylphthalate

Concen: 34.62 ng

RT: 9.68 min Scan# 664

Delta R.T. -0.00 min

Lab File: BF080691.D

Acq: 28 Jul 2015 1:32

Instrument :

BNA_F

ClientSampleId :

DUMBO-EP-2

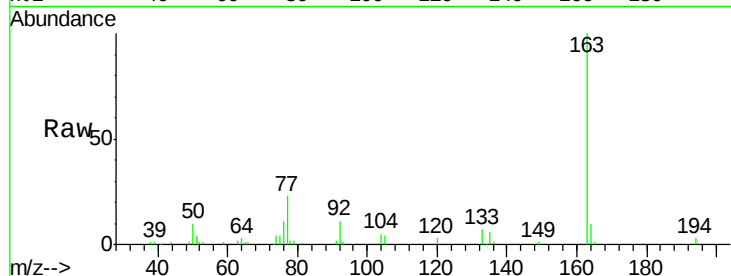
Tgt Ion:163 Resp: 66687

Ion Ratio Lower Upper

163 100

194 3.3 2.4 3.6

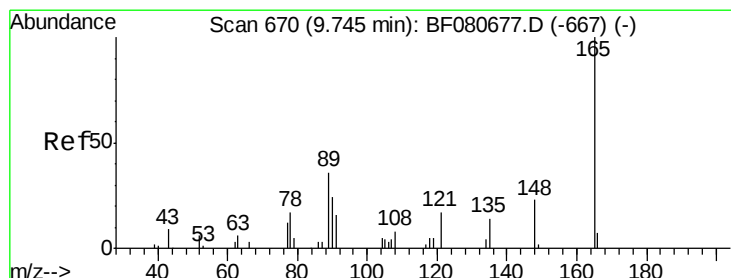
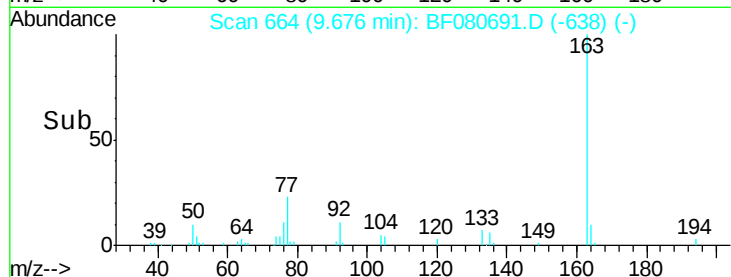
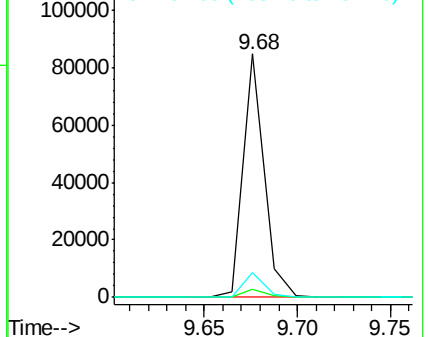
164 10.2 8.1 12.1



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



#50

2,6-Dinitrotoluene

Concen: 2.04 ng

RT: 9.68 min Scan# 664

Delta R.T. -0.07 min

Lab File: BF080691.D

Acq: 28 Jul 2015 1:32

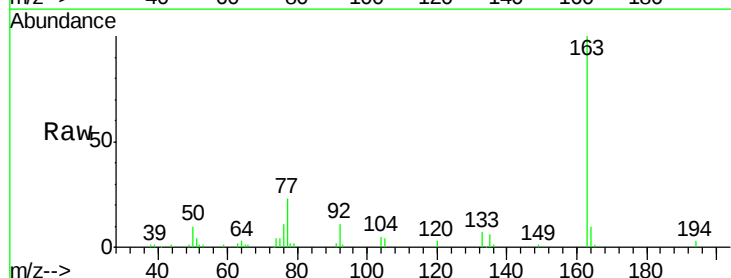
Tgt Ion:165 Resp: 779

Ion Ratio Lower Upper

165 100

63 132.6 27.1 40.7#

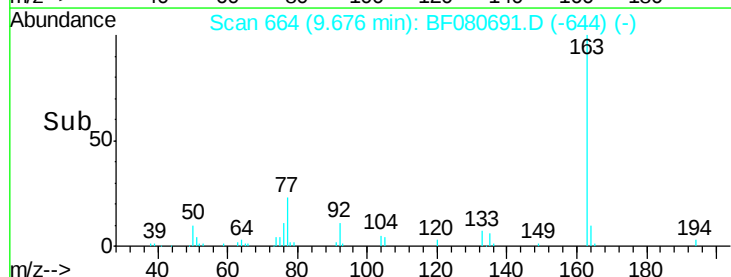
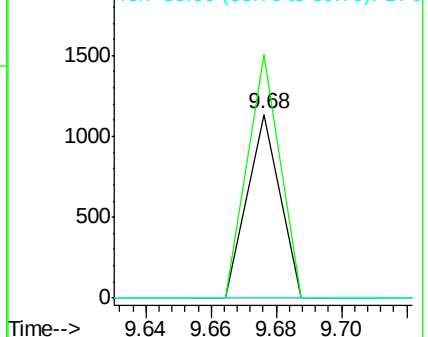
89 0.0 29.0 43.6#

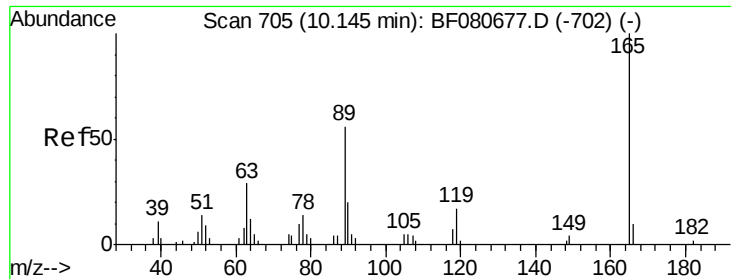


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

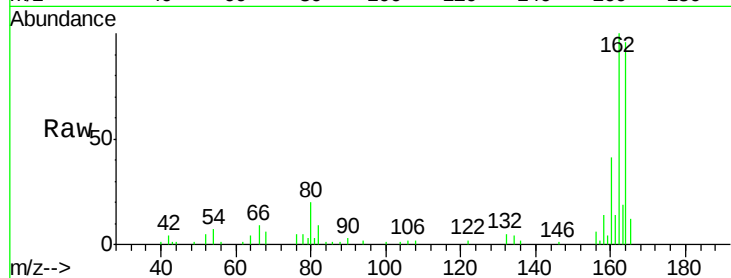




#56
 2,4-Dinitrotoluene
 Concen: 8.12 ng
 RT: 9.96 min Scan# 689
 Delta R.T. -0.18 min
 Lab File: BF080691.D
 Acq: 28 Jul 2015 1:32

Instrument :
 BNA_F
 ClientSampleId :
 DUMBO-EP-2

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	23.2	34.8#
89	0.0	44.6	67.0#
182	0.0	1.9	2.9#

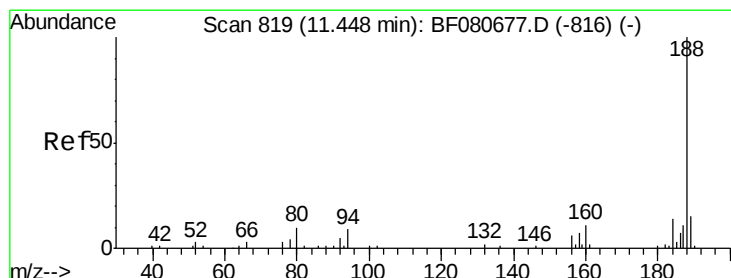
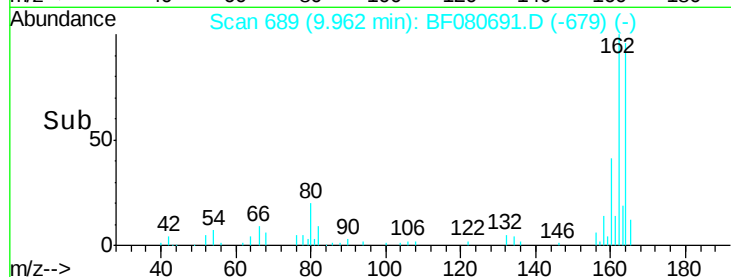
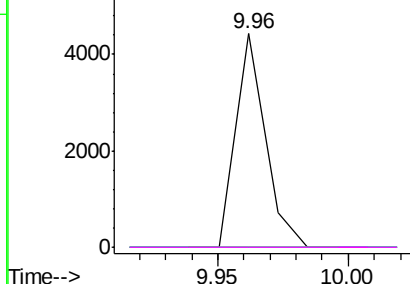


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

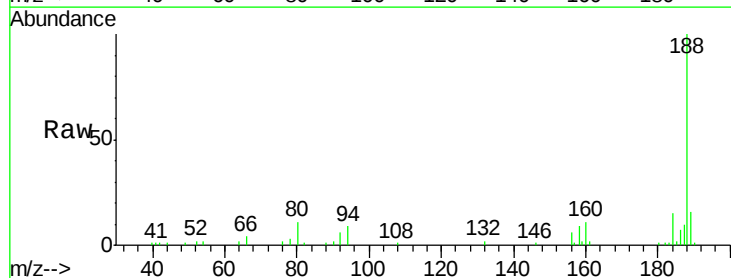
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.45 min Scan# 819
 Delta R.T. -0.00 min
 Lab File: BF080691.D
 Acq: 28 Jul 2015 1:32

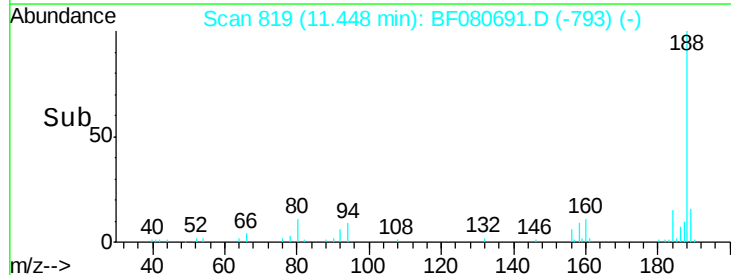
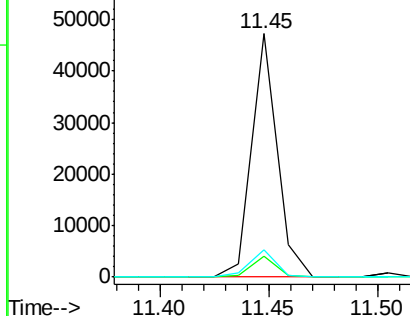
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.8	7.2	10.8
80	11.2	8.2	12.2

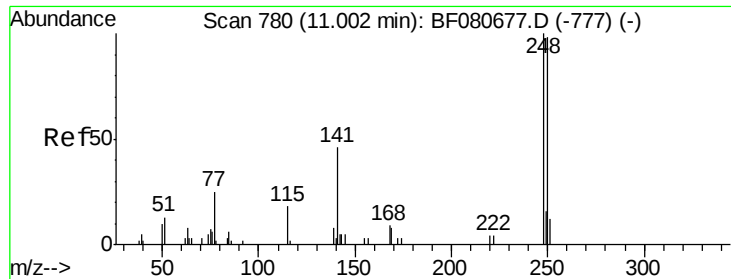


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

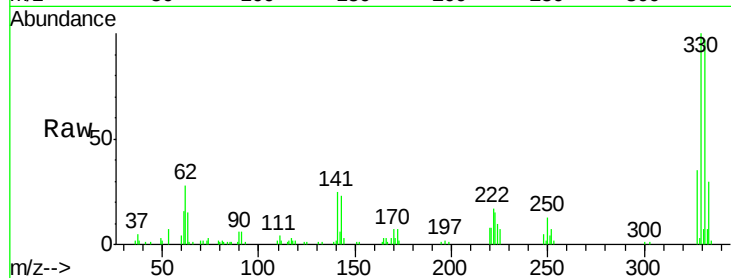




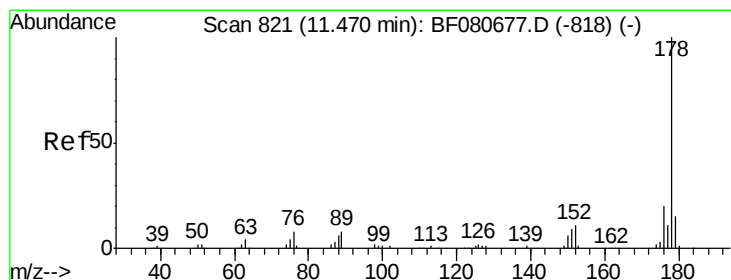
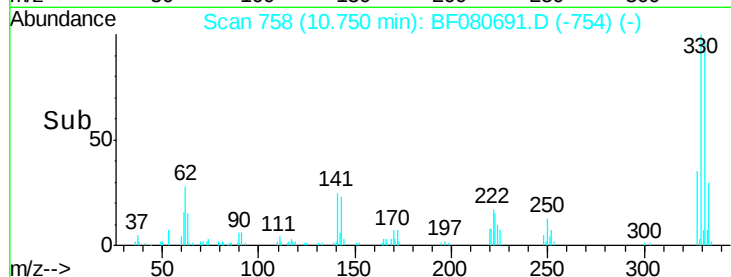
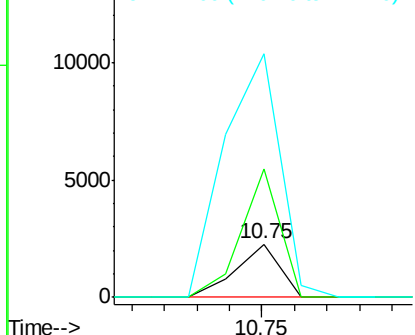
#66
 4-Bromophenyl-phenylether
 Concen: 5.08 ng
 RT: 10.75 min Scan# 758
 Delta R.T. -0.25 min
 Lab File: BF080691.D
 Acq: 28 Jul 2015 1:32

Instrument :
 BNA_F
 ClientSampleId :
 DUMBO-EP-2

Tgt Ion:248 Resp: 2082
 Ion Ratio Lower Upper
 248 100
 250 240.9 78.5 117.7#
 141 456.2 36.8 55.2#

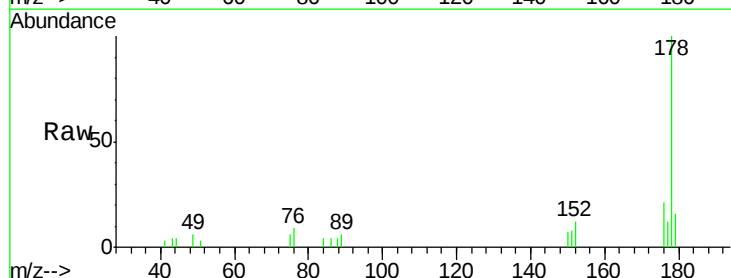


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

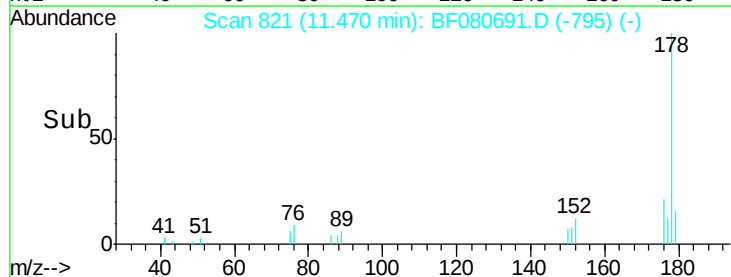
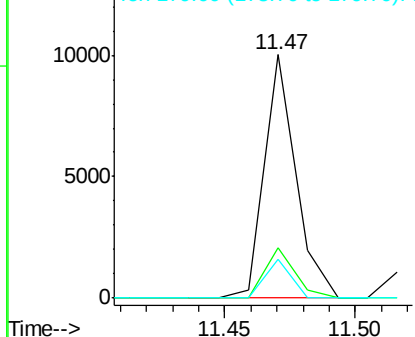


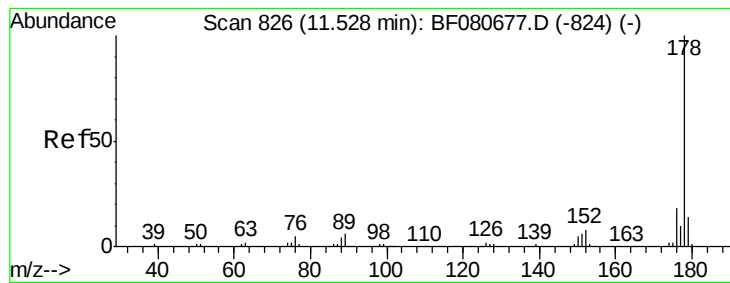
#70
 Phenanthrene
 Concen: 3.85 ng
 RT: 11.47 min Scan# 821
 Delta R.T. 0.00 min
 Lab File: BF080691.D
 Acq: 28 Jul 2015 1:32

Tgt Ion:178 Resp: 8444
 Ion Ratio Lower Upper
 178 100
 176 20.8 15.6 23.4
 179 15.7 12.3 18.5



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





#71

Anthracene

Concen: 3.96 ng

RT: 11.47 min Scan# 821

Delta R.T. -0.06 min

Lab File: BF080691.D

Acq: 28 Jul 2015 1:32

Instrument :

BNA_F

ClientSampleId :

DUMBO-EP-2

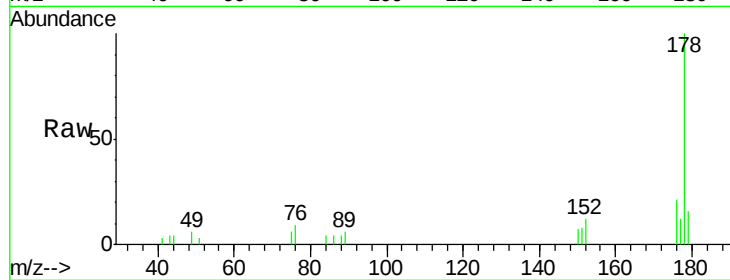
Tgt Ion:178 Resp: 8444

Ion Ratio Lower Upper

178 100

176 20.8 14.3 21.5

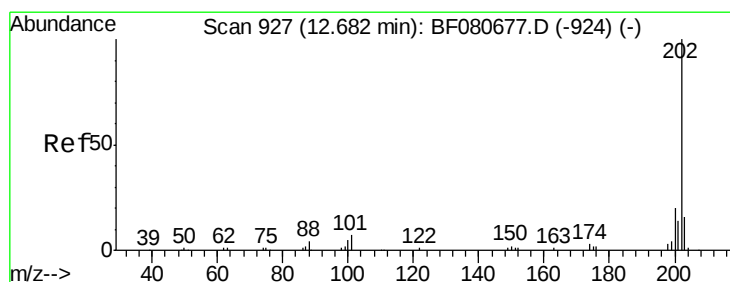
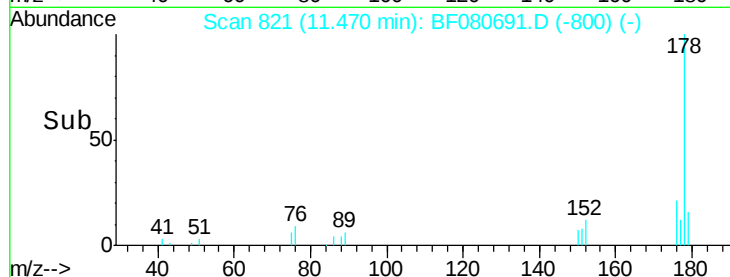
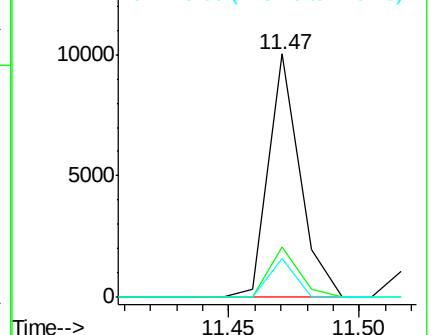
179 15.7 10.8 16.2



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: 5.00 ng

RT: 12.67 min Scan# 926

Delta R.T. -0.01 min

Lab File: BF080691.D

Acq: 28 Jul 2015 1:32

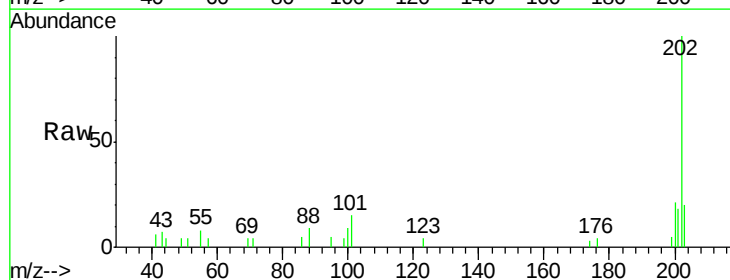
Tgt Ion:202 Resp: 8589

Ion Ratio Lower Upper

202 100

101 14.6 0.0 27.3

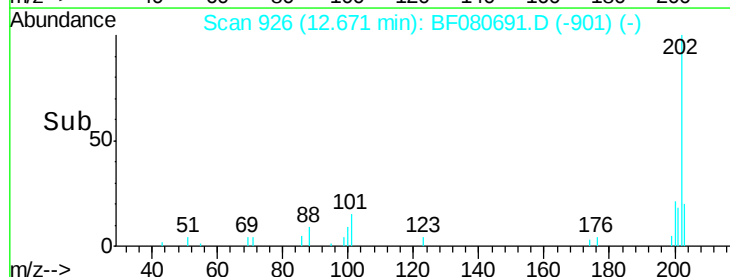
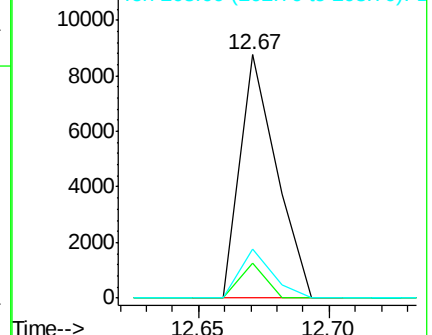
203 20.2 0.0 36.0

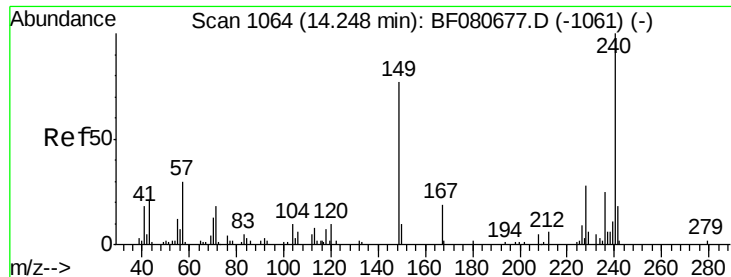


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.23 min Scan# 1062

Delta R.T. -0.02 min

Lab File: BF080691.D

Acq: 28 Jul 2015 1:32

Instrument :

BNA_F

ClientSampleId :

DUMBO-EP-2

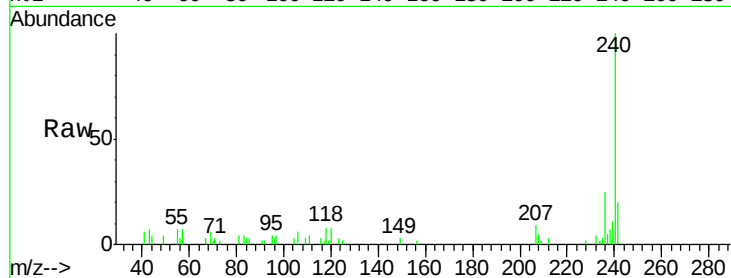
Tgt Ion:240 Resp: 20600

Ion Ratio Lower Upper

240 100

120 7.8 8.0 12.0#

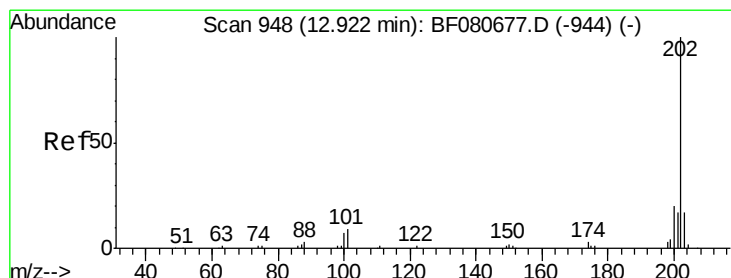
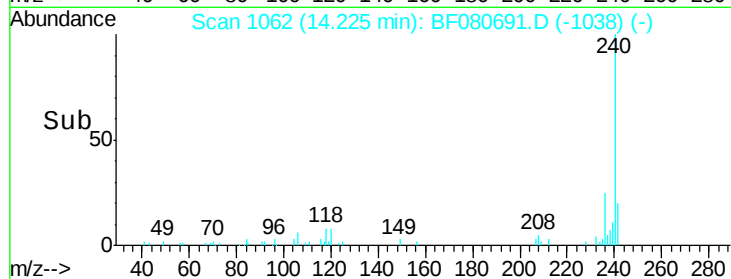
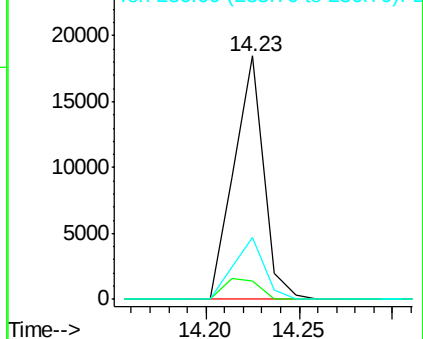
236 25.3 20.0 30.0



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: 4.69 ng

RT: 12.91 min Scan# 947

Delta R.T. -0.01 min

Lab File: BF080691.D

Acq: 28 Jul 2015 1:32

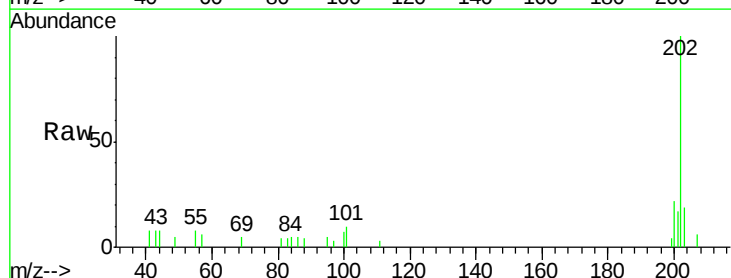
Tgt Ion:202 Resp: 8094

Ion Ratio Lower Upper

202 100

200 21.6 16.3 24.5

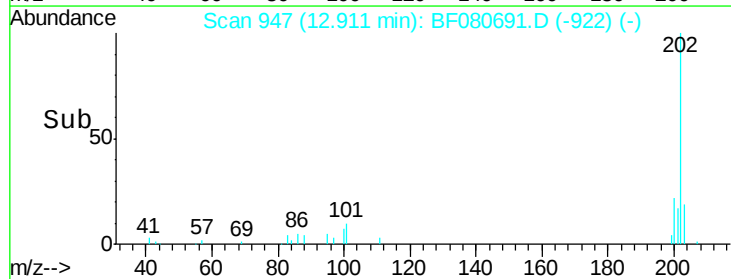
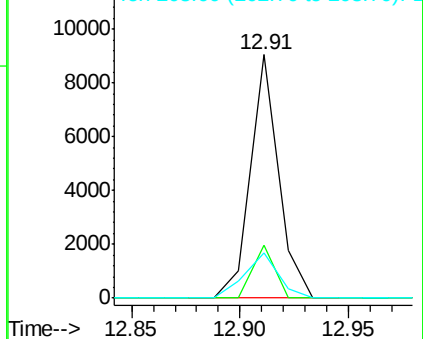
203 18.8 13.4 20.2

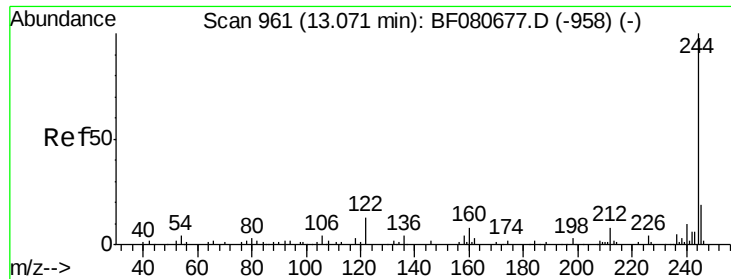


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

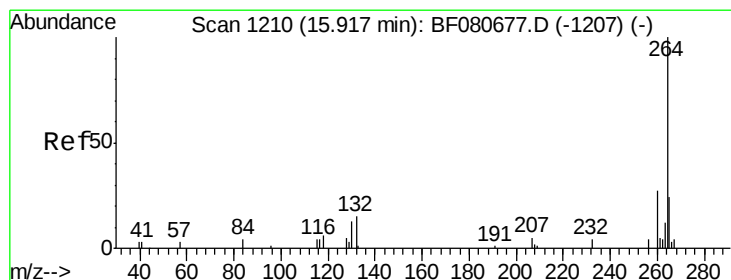
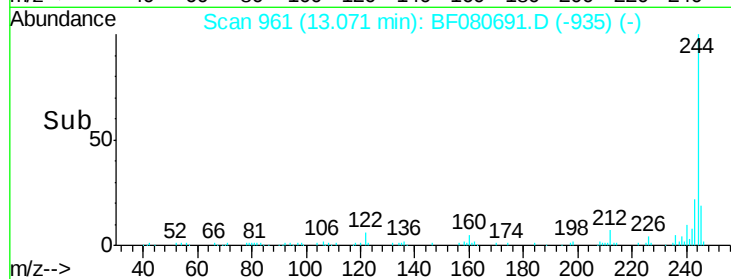
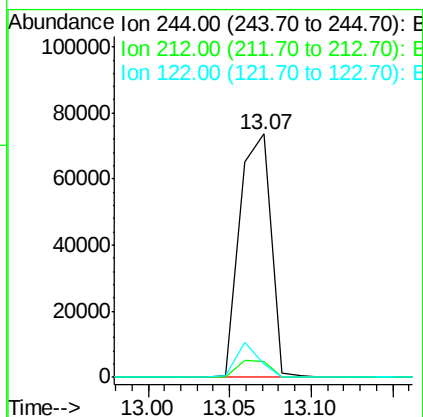
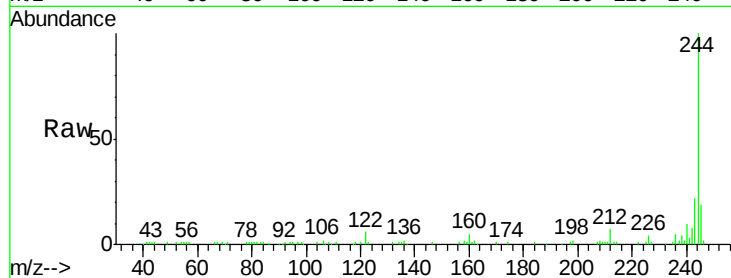




#78
 Terphenyl-d14
 Concen: 80.58 ng
 RT: 13.07 min Scan# 961
 Delta R.T. -0.00 min
 Lab File: BF080691.D
 Acq: 28 Jul 2015 1:32

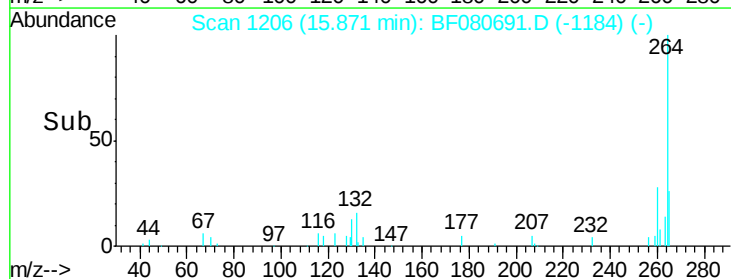
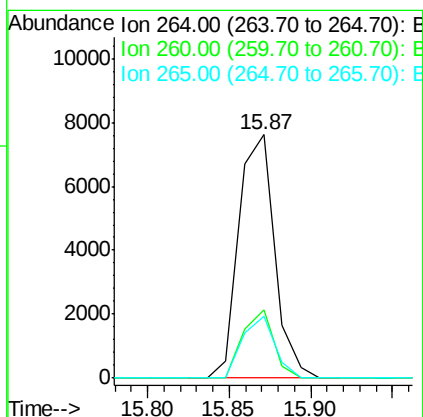
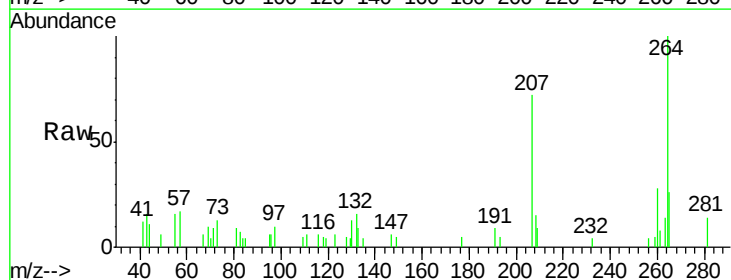
Instrument :
 BNA_F
 ClientSampleId :
 DUMBO-EP-2

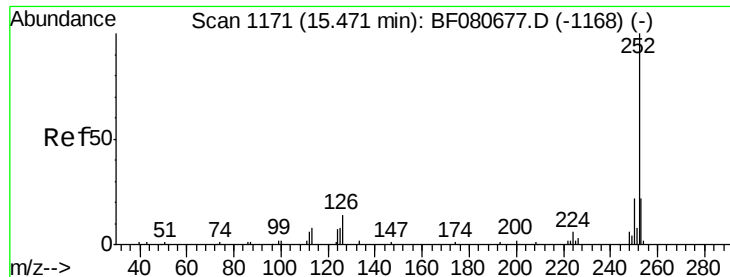
Tgt Ion:244 Resp: 96902
 Ion Ratio Lower Upper
 244 100
 212 6.6 6.1 9.1
 122 5.5 10.2 15.2#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.87 min Scan# 1206
 Delta R.T. -0.05 min
 Lab File: BF080691.D
 Acq: 28 Jul 2015 1:32

Tgt Ion:264 Resp: 11578
 Ion Ratio Lower Upper
 264 100
 260 28.0 21.6 32.4
 265 25.6 19.3 28.9

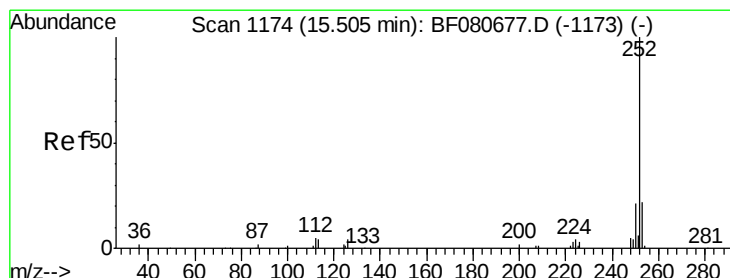
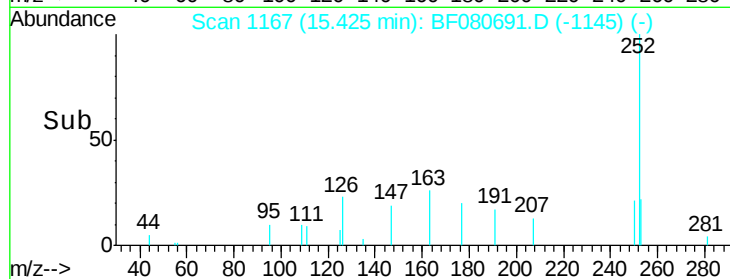
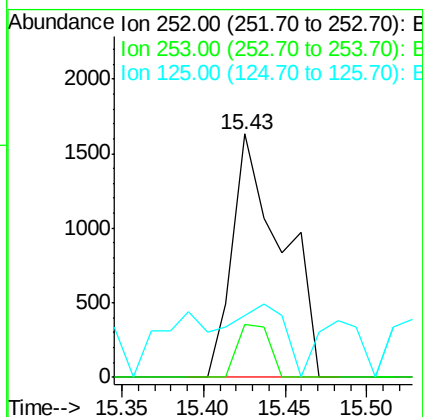
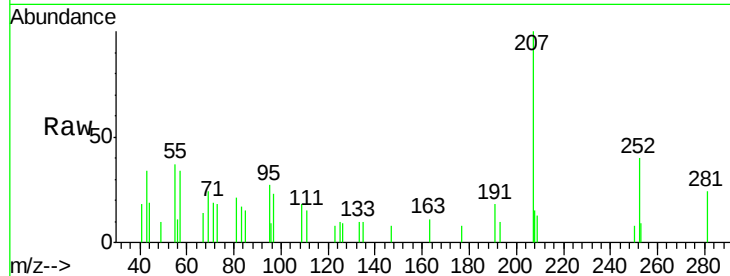




#87
Benzo(b)fluoranthene
Concen: 4.07 ng
RT: 15.43 min Scan# 1167
Delta R.T. -0.05 min
Lab File: BF080691.D
Acq: 28 Jul 2015 1:32

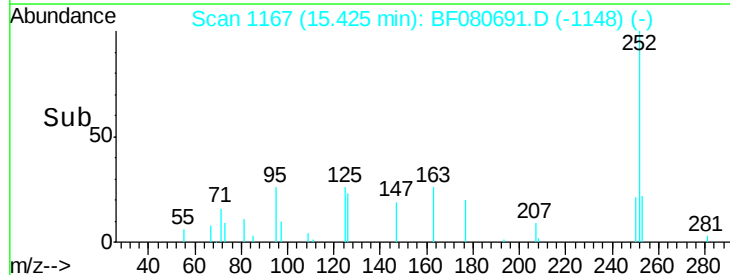
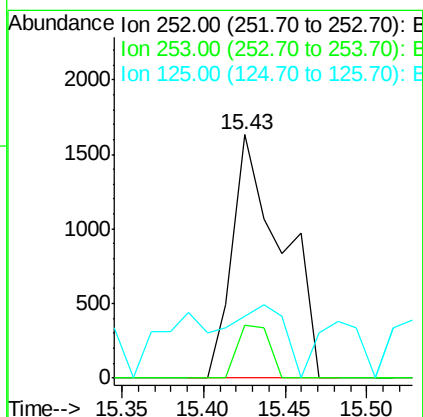
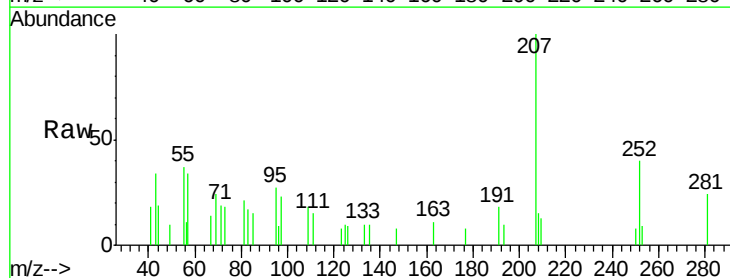
Instrument :
BNA_F
ClientSampleId :
DUMBO-EP-2

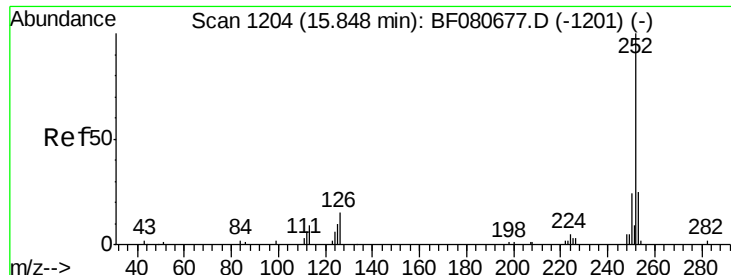
Tgt Ion: 252 Resp: 3427
Ion Ratio Lower Upper
252 100
253 21.6 17.8 26.8
125 25.6 6.7 10.1#



#88
Benzo(k)fluoranthene
Concen: 4.43 ng
RT: 15.43 min Scan# 1167
Delta R.T. -0.08 min
Lab File: BF080691.D
Acq: 28 Jul 2015 1:32

Tgt Ion: 252 Resp: 3427
Ion Ratio Lower Upper
252 100
253 21.6 17.8 26.6
125 25.6 6.7 10.1#





#89

Benzo(a)pyrene

Concen: 2.47 ng

RT: 15.80 min Scan# 1200

Delta R.T. -0.05 min

Lab File: BF080691.D

Acq: 28 Jul 2015 1:32

Instrument :

BNA_F

ClientSampleId :

DUMBO-EP-2

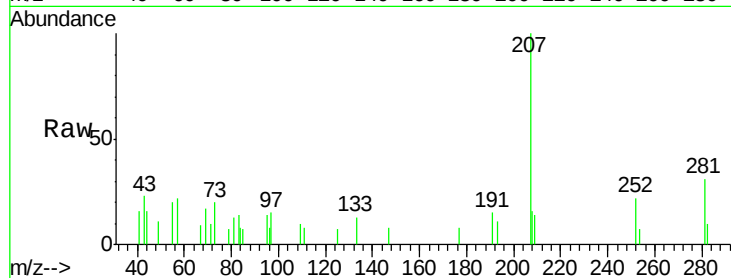
Tgt Ion: 252 Resp: 1591

Ion Ratio Lower Upper

252 100

253 30.4 20.2 30.2#

125 29.5 8.4 12.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

