

Data Path : Z:\HPCHEM1\BNA_F\Data\BF071415\
 Data File : BF080491.D
 Acq On : 15 Jul 2015 14:28
 Operator : TP/UM
 Sample : G2978-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-EF-01-002-ABCD

Quant Time: Jul 15 16:14:32 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 15 03:58:42 2015
 Response via : Initial Calibration

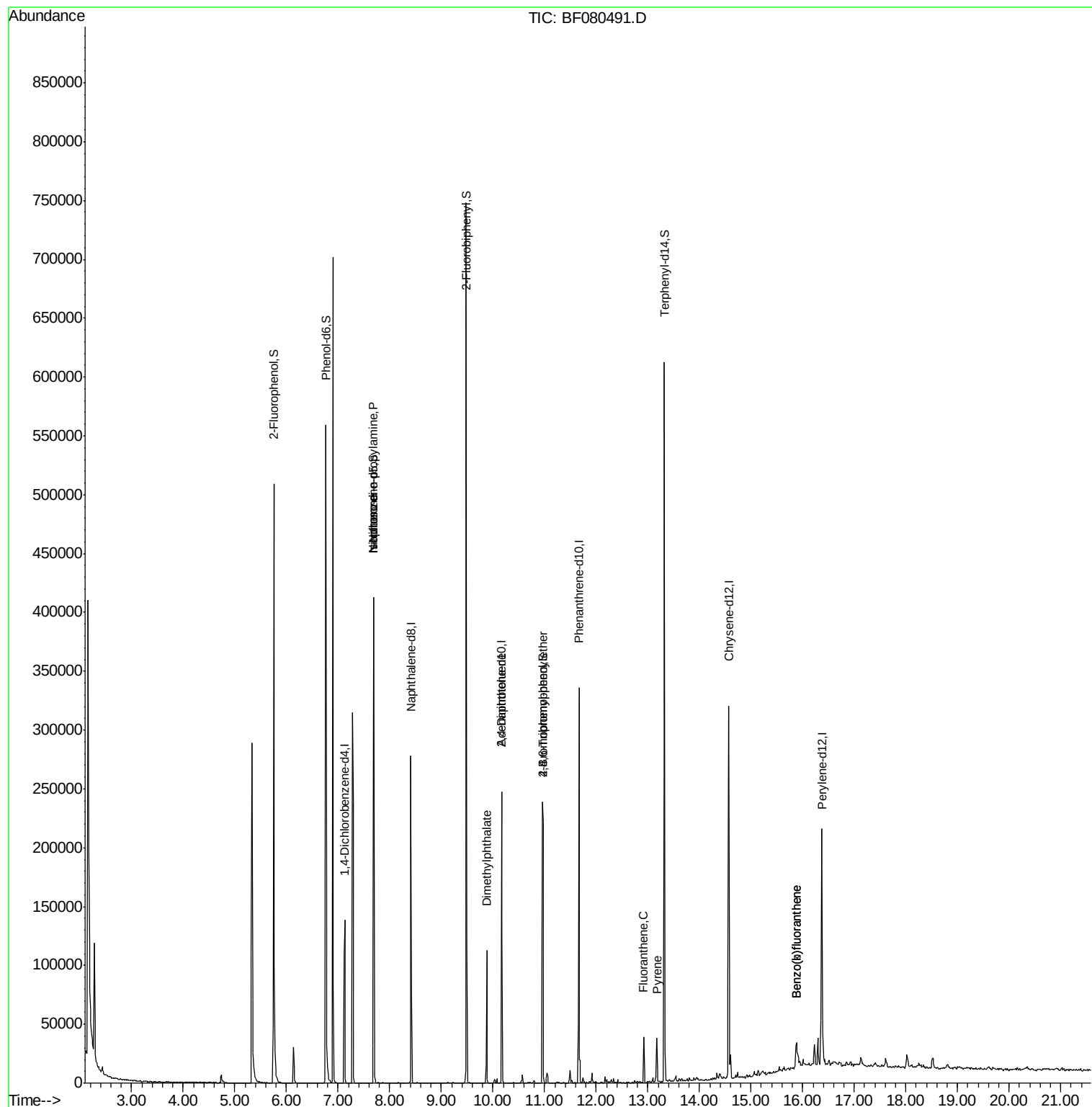
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.13	152	28278	20.00	ng	0.00
21) Naphthalene-d8	8.41	136	119028	20.00	ng	0.00
38) Acenaphthene-d10	10.17	164	54607	20.00	ng	-0.01
63) Phenanthrene-d10	11.66	188	114557	20.00	ng	0.00
75) Chrysene-d12	14.57	240	114929	20.00	ng	0.09
86) Perylene-d12	16.37	264	112072	20.00	ng	0.15
System Monitoring Compounds						
5) 2-Fluorophenol	5.76	112	137004	79.19	ng	0.00
7) Phenol-d6	6.76	99	189347	89.44	ng	-0.01
23) Nitrobenzene-d5	7.69	82	116650	53.65	ng	0.00
41) 2,4,6-Tribromophenol	10.97	330	36472	70.66	ng	0.00
44) 2-Fluorobiphenyl	9.48	172	206147	51.72	ng	0.00
78) Terphenyl-d14	13.32	244	220112	46.16	ng	0.05
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.69	70	14773	10.30	ng	# 83
25) Isophorone	7.69	82	116662	29.06	ng	# 71
49) Dimethylphthalate	9.88	163	44843	10.38	ng	99
56) 2,4-Dinitrotoluene	10.17	165	6969	6.61	ng	# 38
66) 4-Bromophenyl-phenylether	10.97	248	2810	2.46	ng	# 1
74) Fluoranthene	12.92	202	16197	2.47	ng	93
77) Pyrene	13.17	202	16397	2.42	ng	97
87) Benzo(b)fluoranthene	15.88	252	20801	3.25	ng	# 91
88) Benzo(k)fluoranthene	15.88	252	20801	3.36	ng	# 88

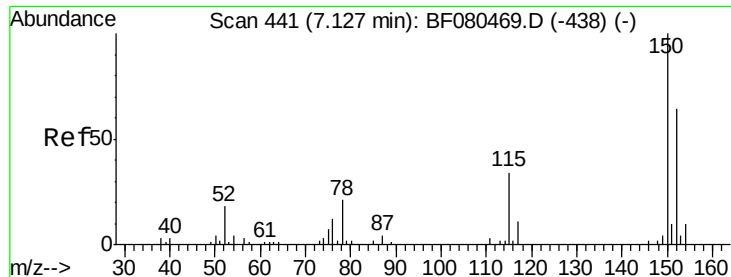
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.13 min Scan# 441

Delta R.T. 0.00 min

Lab File: BF080491.D

Acq: 15 Jul 2015 14:28

Instrument :

BNA_F

ClientSampleId :

FK-EF-01-002-ABCD

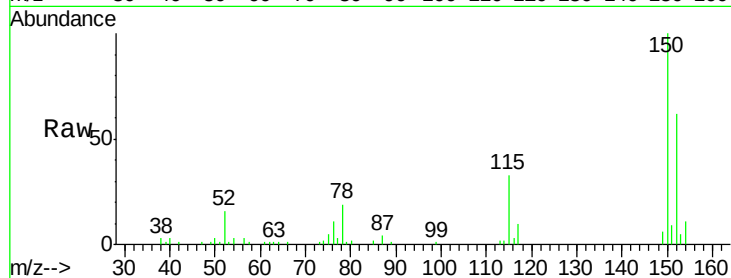
Tgt Ion:152 Resp: 28278

Ion Ratio Lower Upper

152 100

150 161.1 125.5 188.3

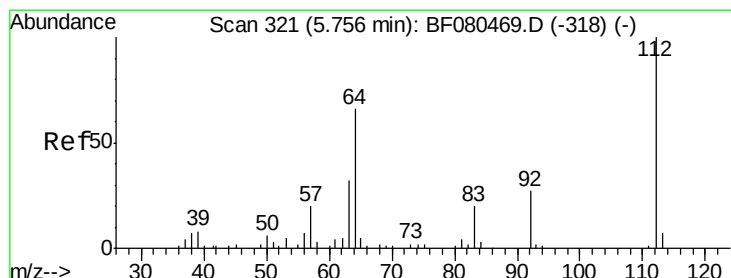
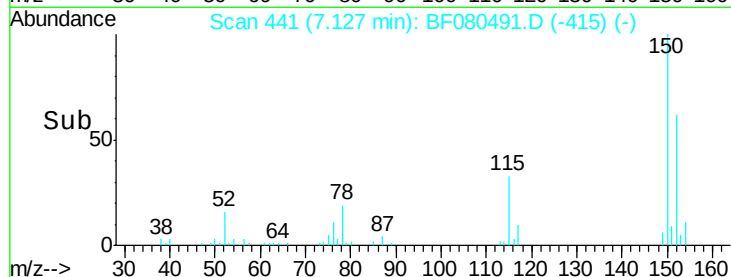
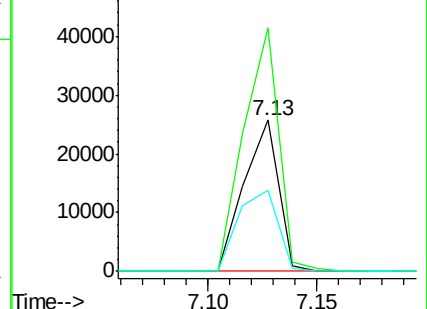
115 53.4 42.9 64.3



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: 79.19 ng

RT: 5.76 min Scan# 321

Delta R.T. 0.00 min

Lab File: BF080491.D

Acq: 15 Jul 2015 14:28

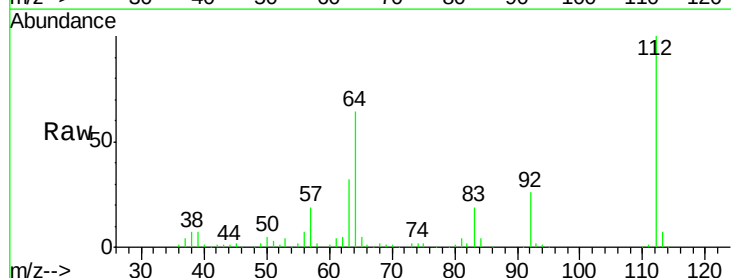
Tgt Ion:112 Resp: 137004

Ion Ratio Lower Upper

112 100

64 64.3 52.6 79.0

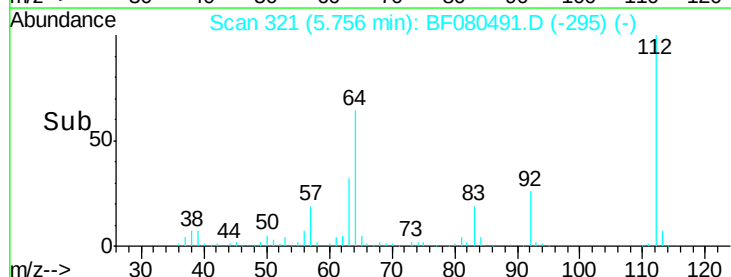
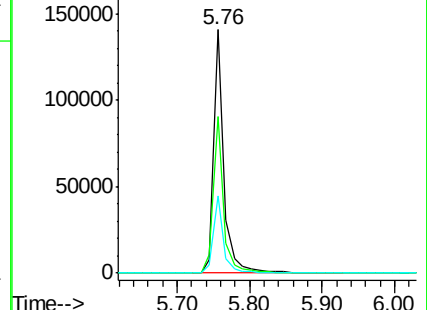
63 32.0 25.9 38.9

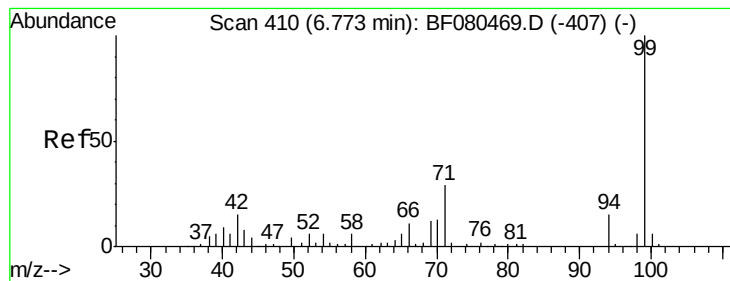


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 89.44 ng

RT: 6.76 min Scan# 409

Delta R.T. -0.01 min

Lab File: BF080491.D

Acq: 15 Jul 2015 14:28

Instrument :

BNA_F

ClientSampleId :

FK-EF-01-002-ABCD

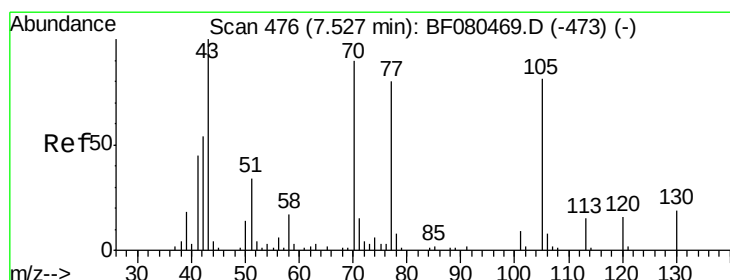
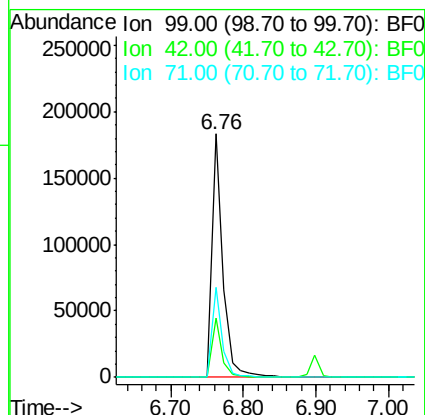
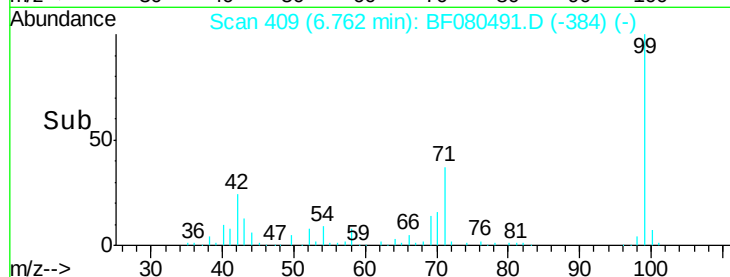
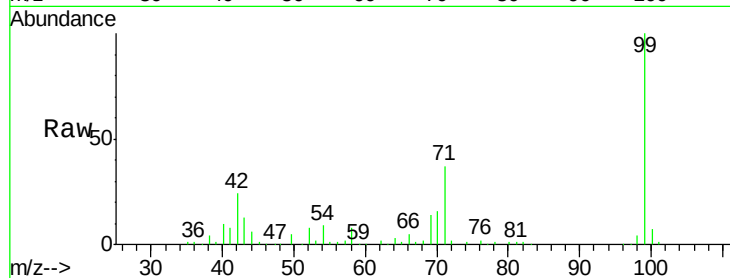
Tgt Ion: 99 Resp: 189347

Ion Ratio Lower Upper

99 100

42 24.2 12.4 18.6#

71 37.1 22.9 34.3#



#19

n-Nitroso-di-n-propylamine

Concen: 10.30 ng

RT: 7.69 min Scan# 490

Delta R.T. 0.16 min

Lab File: BF080491.D

Acq: 15 Jul 2015 14:28

Tgt Ion: 70 Resp: 14773

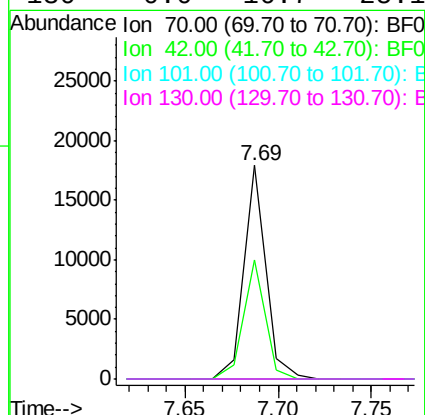
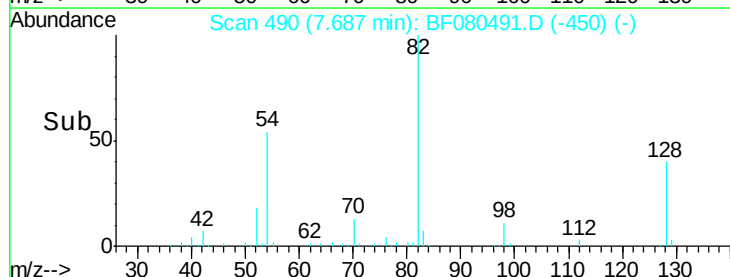
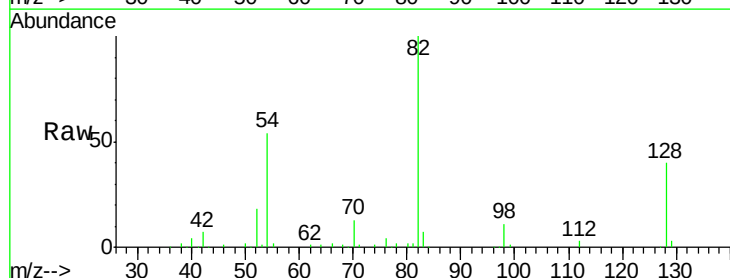
Ion Ratio Lower Upper

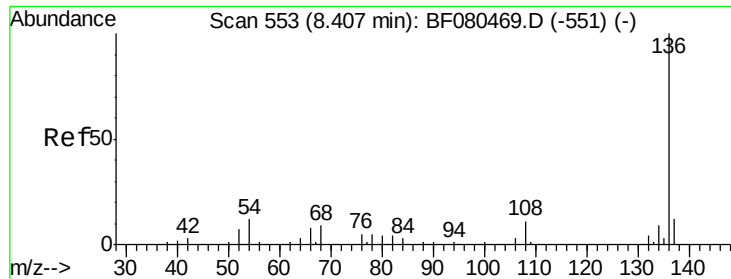
70 100

42 55.5 48.0 72.0

101 0.0 7.8 11.6#

130 0.0 16.7 25.1#

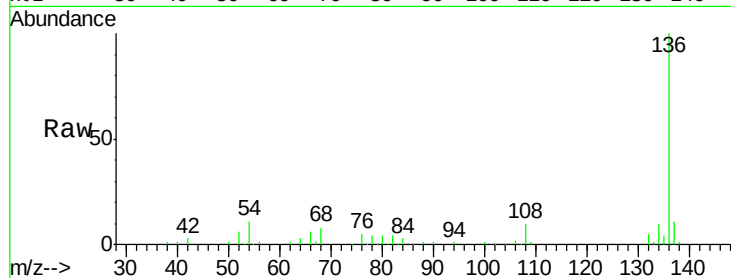




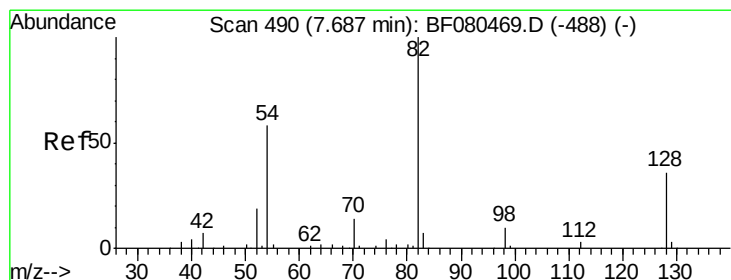
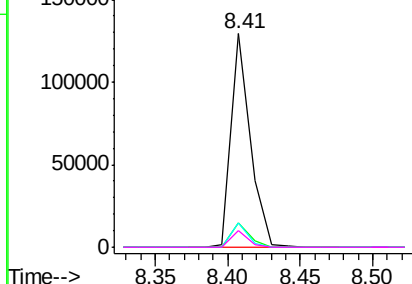
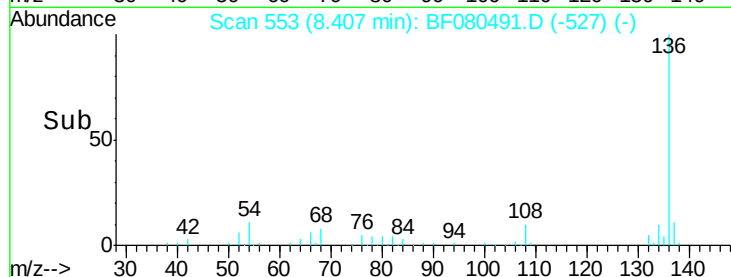
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.41 min Scan# 553
Delta R.T. 0.00 min
Lab File: BF080491.D
Acq: 15 Jul 2015 14:28

Instrument :
BNA_F
ClientSampleId :
FK-EF-01-002-ABCD

Tgt Ion:	136	Resp:	119028
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.5	14.3
54	11.4	9.8	14.8
68	7.9	7.0	10.4

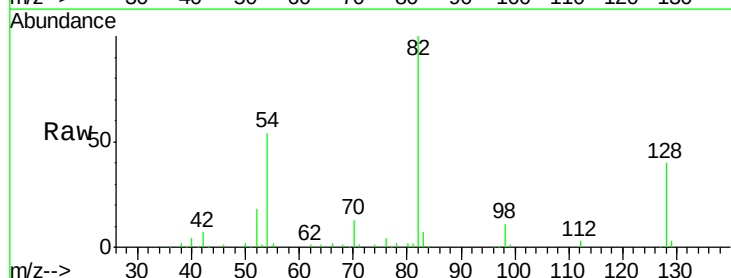


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

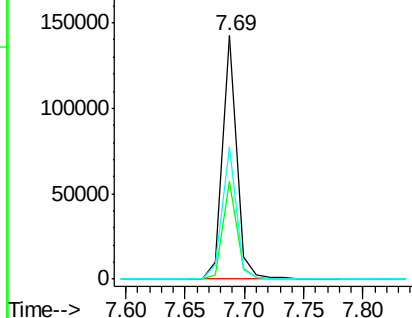
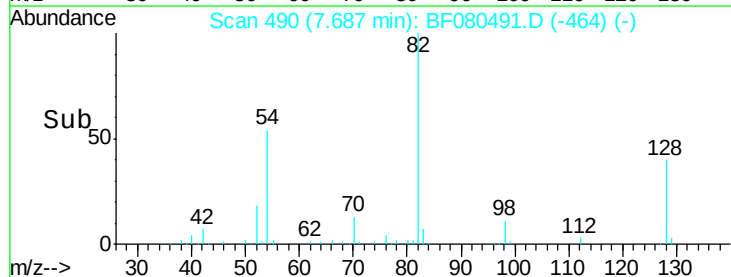


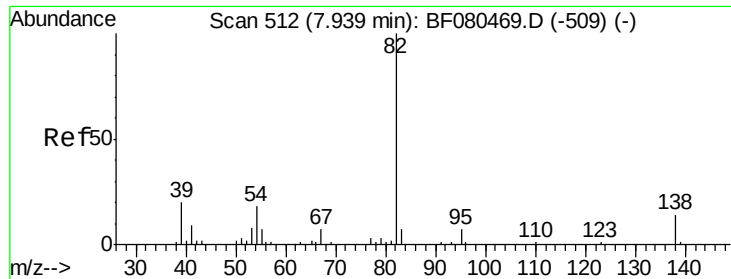
#23
Nitrobenzene-d5
Concen: 53.65 ng
RT: 7.69 min Scan# 490
Delta R.T. 0.00 min
Lab File: BF080491.D
Acq: 15 Jul 2015 14:28

Tgt Ion:	82	Resp:	116650
Ion	Ratio	Lower	Upper
82	100		
128	40.3	29.0	43.4
54	54.1	46.4	69.6



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





#25

Isophorone

Concen: 29.06 ng

RT: 7.69 min Scan# 490

Delta R.T. -0.25 min

Lab File: BF080491.D

Acq: 15 Jul 2015 14:28

Instrument :

BNA_F

ClientSampleId :

FK-EF-01-002-ABCD

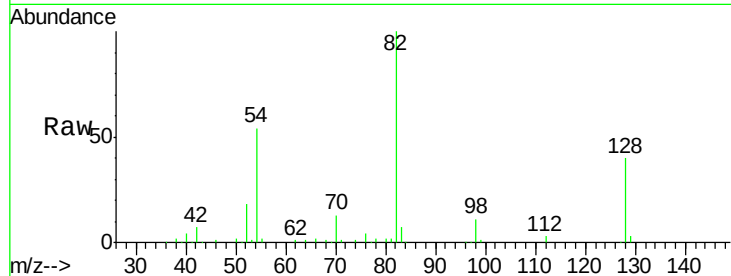
Tgt Ion: 82 Resp: 116662

Ion Ratio Lower Upper

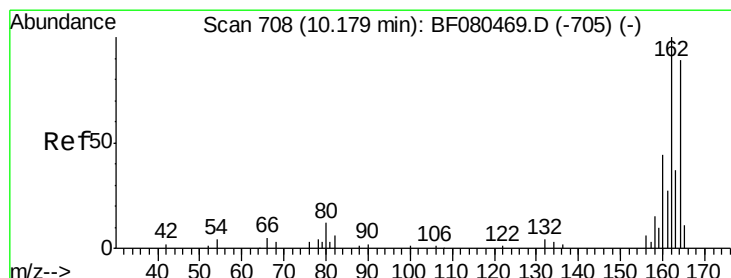
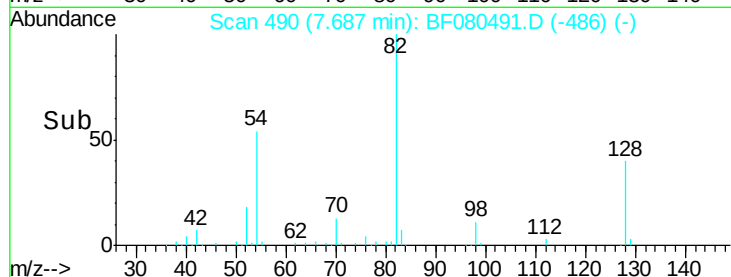
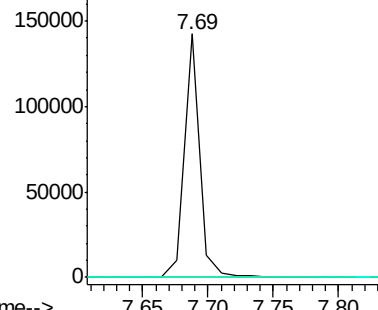
82 100

95 0.0 5.5 8.3#

138 0.0 10.8 16.2#



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: 10.17 min Scan# 707

Delta R.T. -0.01 min

Lab File: BF080491.D

Acq: 15 Jul 2015 14:28

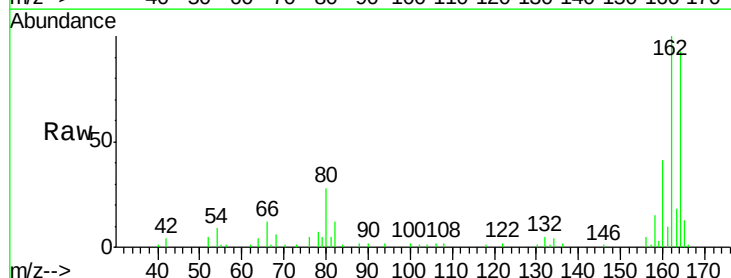
Tgt Ion: 164 Resp: 54607

Ion Ratio Lower Upper

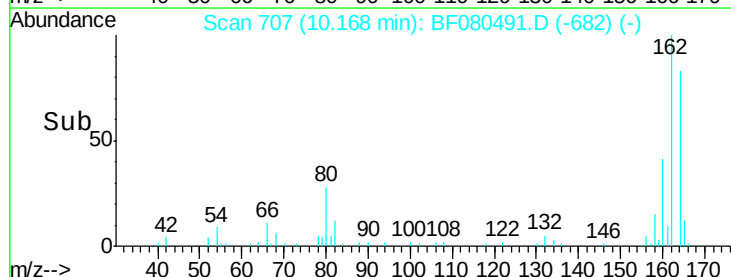
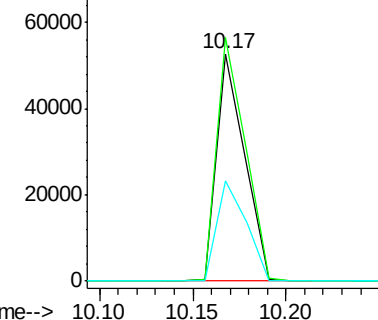
164 100

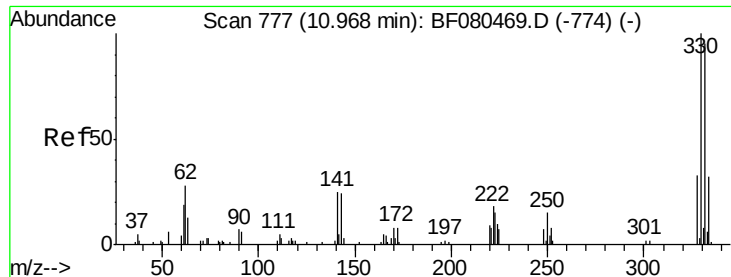
162 107.3 89.8 134.8

160 44.2 39.5 59.3



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

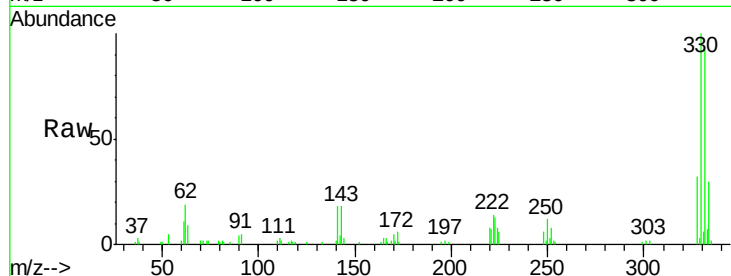




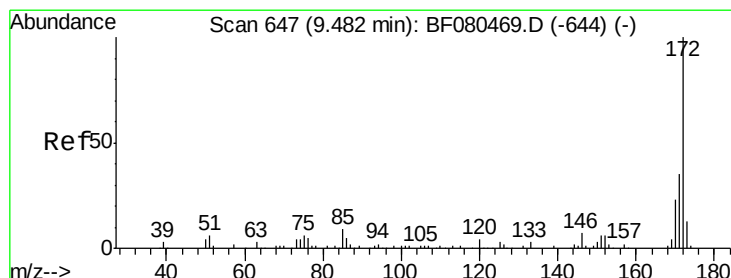
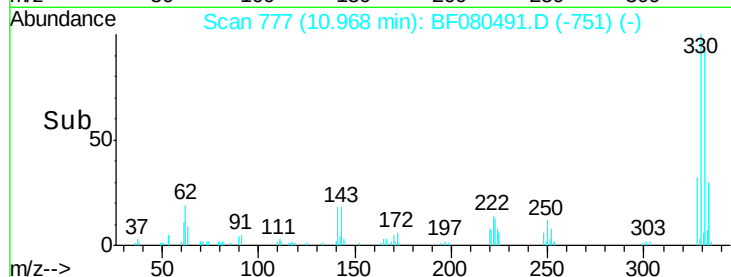
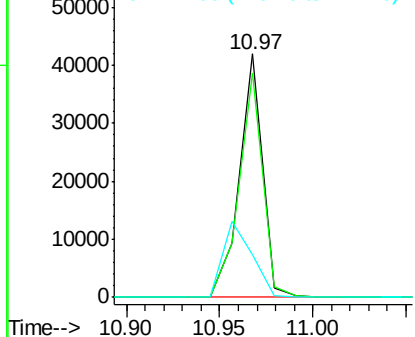
#41
 2,4,6-Tribromophenol
 Concen: 70.66 ng
 RT: 10.97 min Scan# 777
 Delta R.T. 0.00 min
 Lab File: BF080491.D
 Acq: 15 Jul 2015 14:28

Instrument :
 BNA_F
 ClientSampleId :
 FK-EF-01-002-ABCD

Tgt Ion:330 Resp: 36472
 Ion Ratio Lower Upper
 330 100
 332 94.0 76.2 114.4
 141 39.1 29.8 44.6

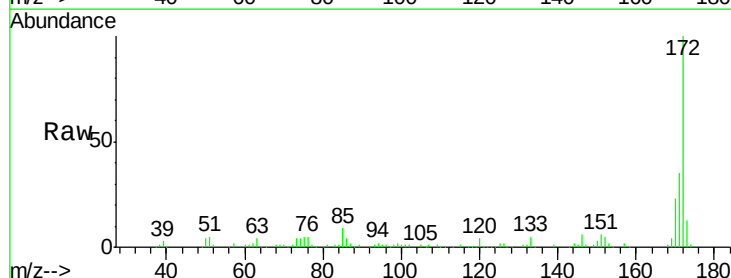


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

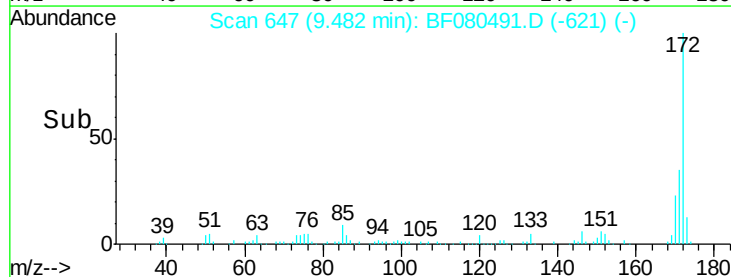
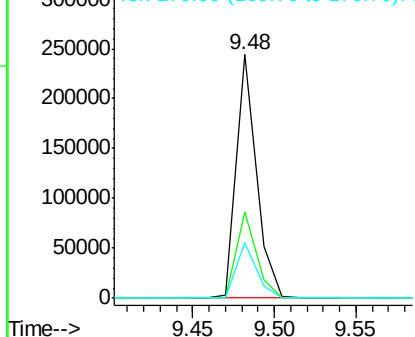


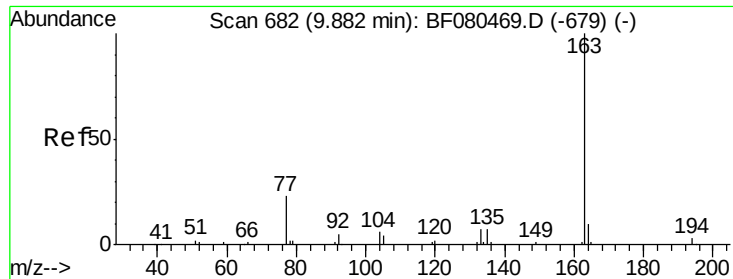
#44
 2-Fluorobiphenyl
 Concen: 51.72 ng
 RT: 9.48 min Scan# 647
 Delta R.T. 0.00 min
 Lab File: BF080491.D
 Acq: 15 Jul 2015 14:28

Tgt Ion:172 Resp: 206147
 Ion Ratio Lower Upper
 172 100
 171 35.5 27.9 41.9
 170 22.8 18.5 27.7



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

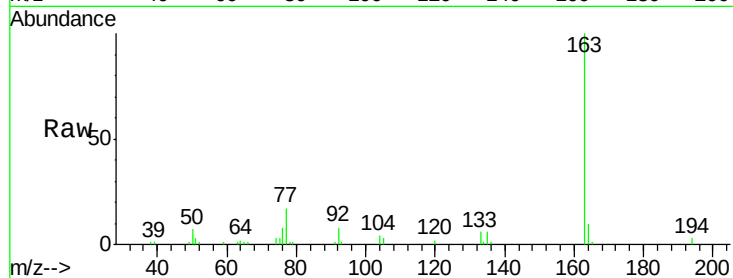




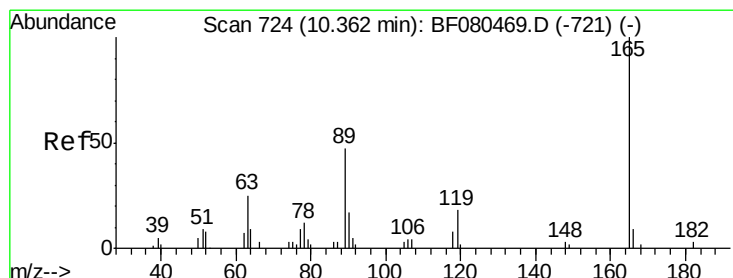
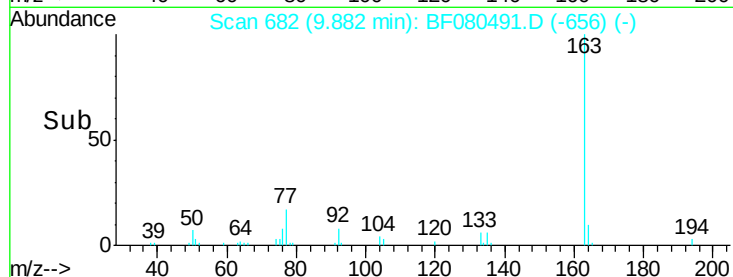
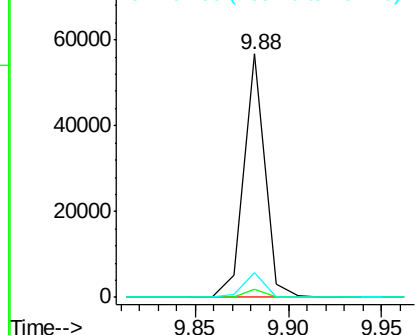
#49
Dimethylphthalate
Concen: 10.38 ng
RT: 9.88 min Scan# 682
Delta R.T. 0.00 min
Lab File: BF080491.D
Acq: 15 Jul 2015 14:28

Instrument :
BNA_F
ClientSampleId :
FK-EF-01-002-ABCD

Tgt Ion:163 Resp: 44843
Ion Ratio Lower Upper
163 100
194 3.4 2.6 3.8
164 10.3 8.1 12.1

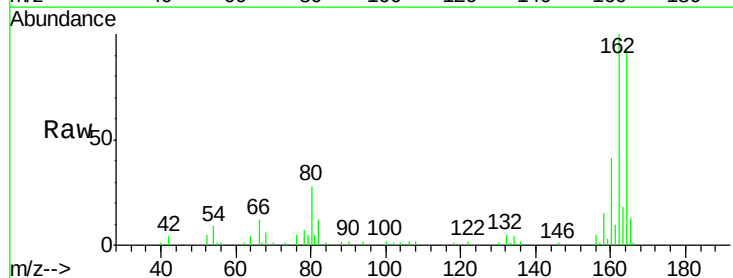


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

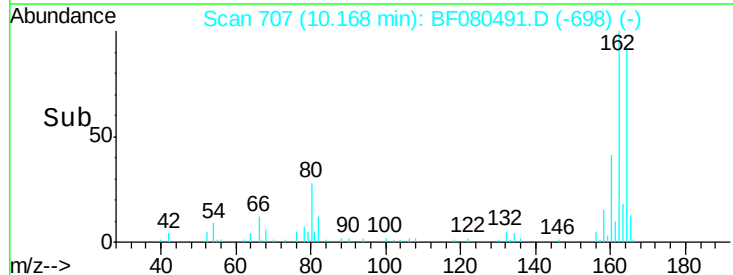
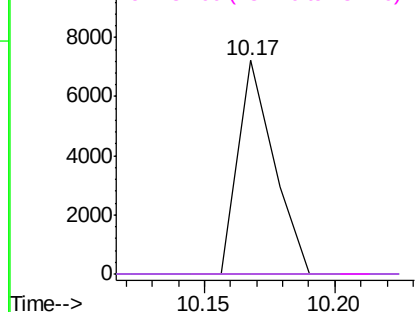


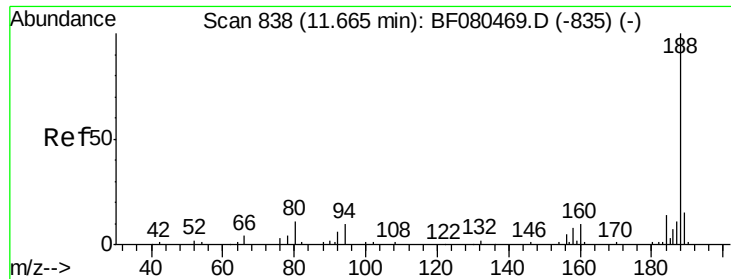
#56
2,4-Dinitrotoluene
Concen: 6.61 ng
RT: 10.17 min Scan# 707
Delta R.T. -0.19 min
Lab File: BF080491.D
Acq: 15 Jul 2015 14:28

Tgt Ion:165 Resp: 6969
Ion Ratio Lower Upper
165 100
63 0.0 21.7 32.5#
89 0.0 37.4 56.2#
182 0.0 2.2 3.2#



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

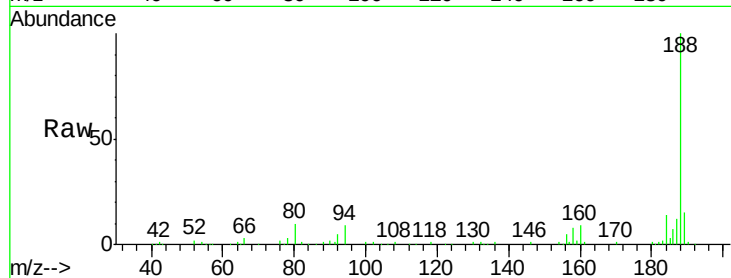




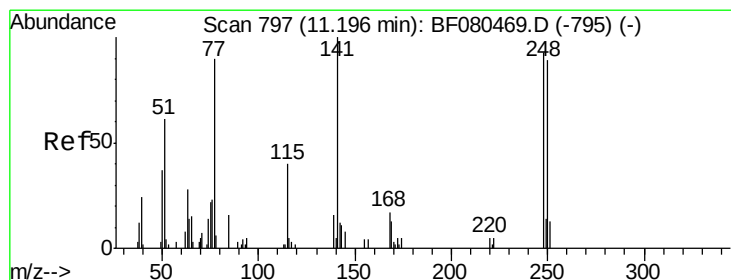
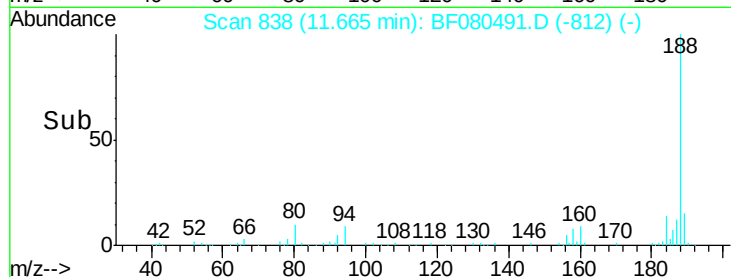
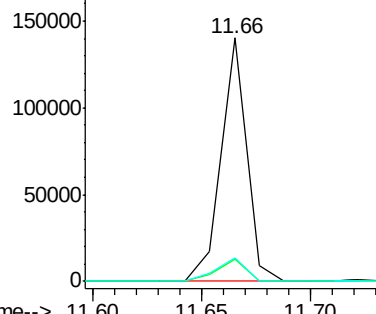
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.66 min Scan# 838
Delta R.T. 0.00 min
Lab File: BF080491.D
Acq: 15 Jul 2015 14:28

Instrument :
BNA_F
ClientSampleId :
FK-EF-01-002-ABCD

Tgt Ion:188 Resp: 114557
Ion Ratio Lower Upper
188 100
94 9.1 7.7 11.5
80 9.7 8.8 13.2

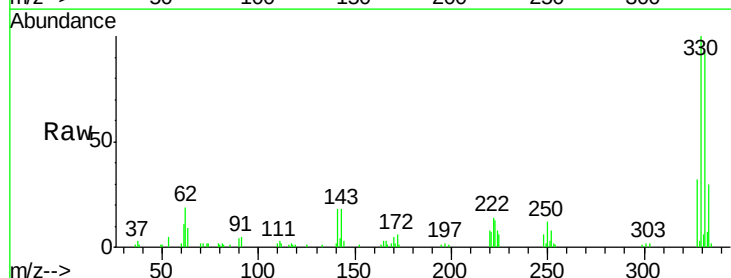


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

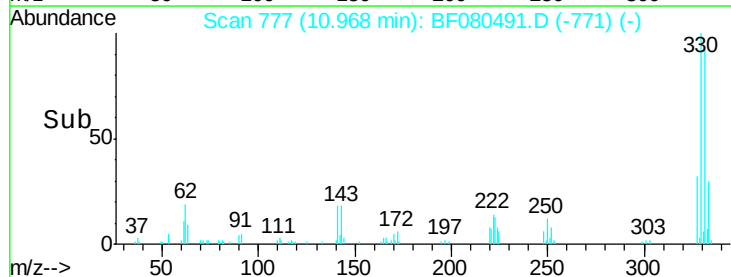
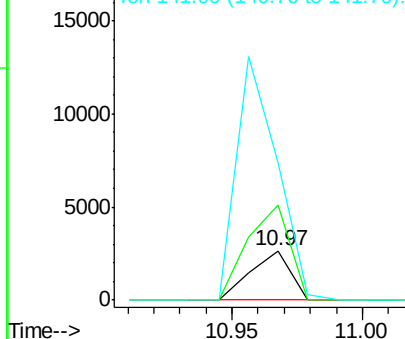


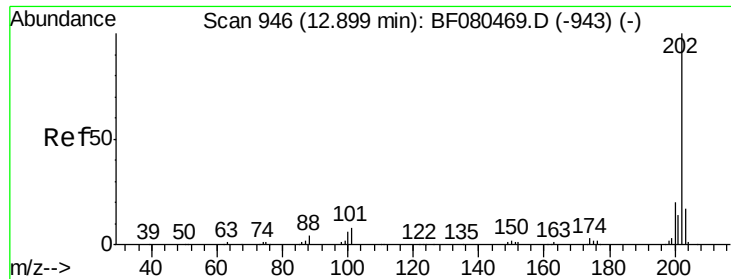
#66
4-Bromophenyl-phenylether
Concen: 2.46 ng
RT: 10.97 min Scan# 777
Delta R.T. -0.23 min
Lab File: BF080491.D
Acq: 15 Jul 2015 14:28

Tgt Ion:248 Resp: 2810
Ion Ratio Lower Upper
248 100
250 193.9 76.8 115.2#
141 280.1 86.3 129.5#



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

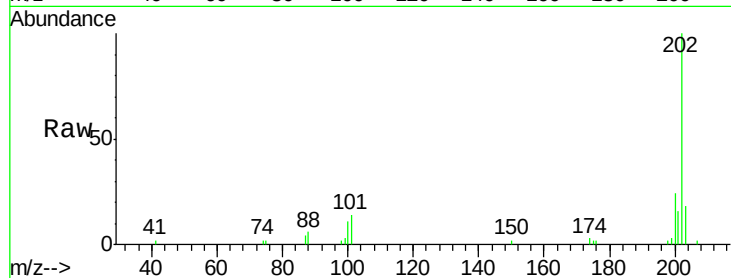




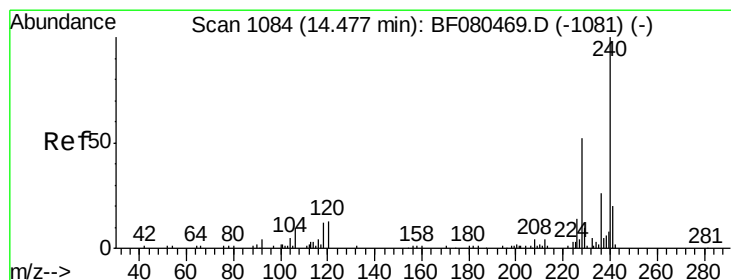
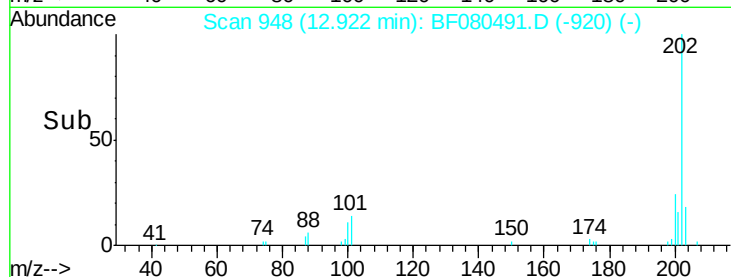
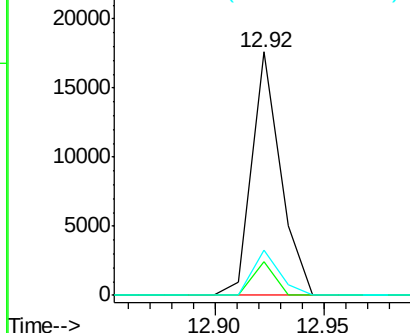
#74
Fluoranthene
Concen: 2.47 ng
RT: 12.92 min Scan# 948
Delta R.T. 0.02 min
Lab File: BF080491.D
Acq: 15 Jul 2015 14:28

Instrument :
BNA_F
ClientSampleId :
FK-EF-01-002-ABCD

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.8	0.0	27.9
203	18.4	0.0	37.2

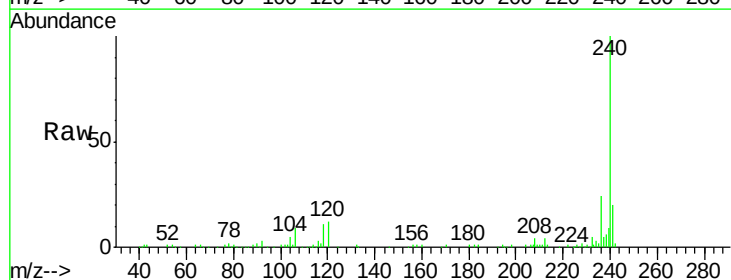


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

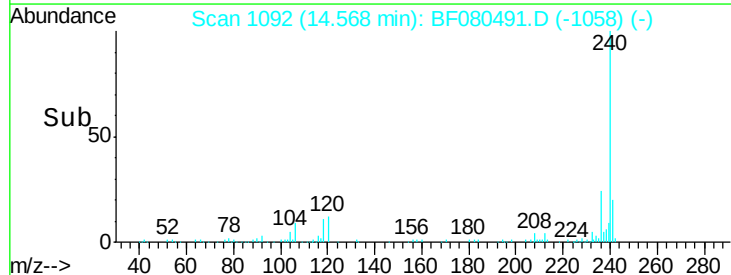
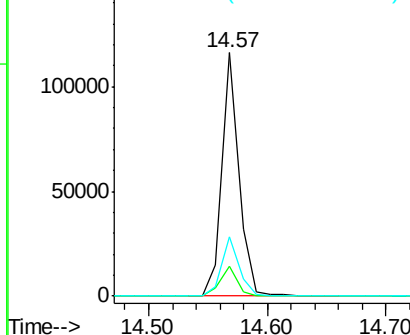


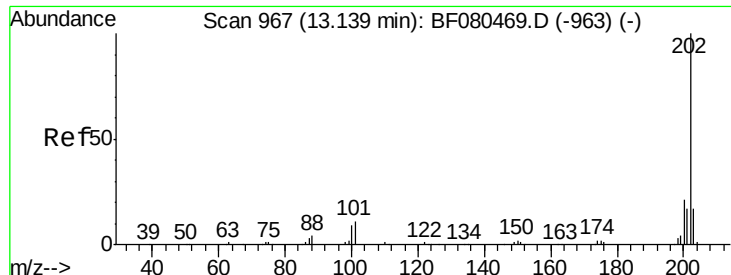
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.57 min Scan# 1092
Delta R.T. 0.09 min
Lab File: BF080491.D
Acq: 15 Jul 2015 14:28

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.2	10.2	15.4
236	24.5	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

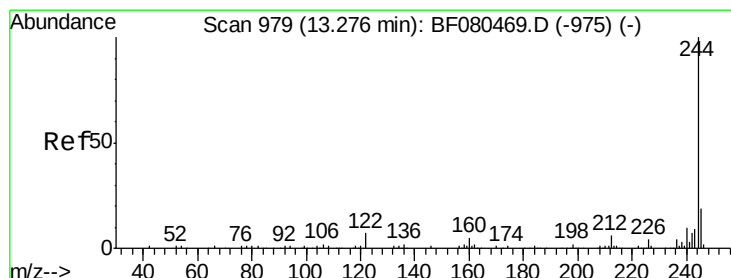
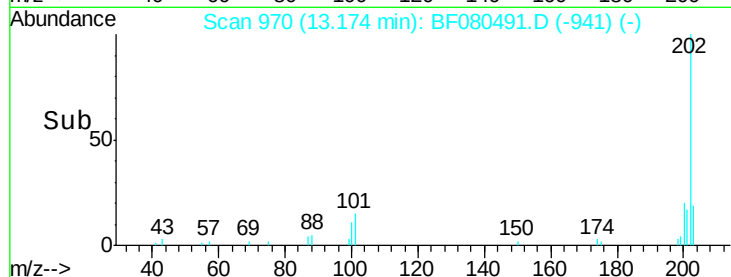
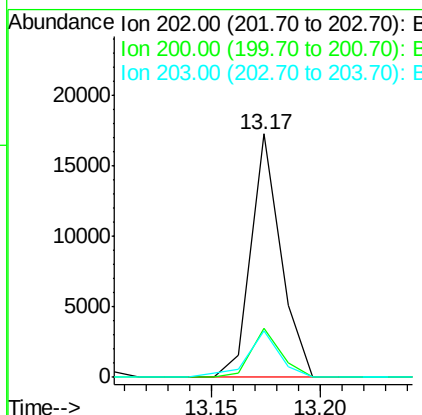
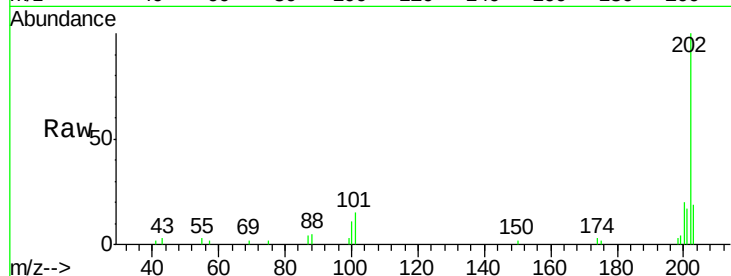




#77
 Pyrene
 Concen: 2.42 ng
 RT: 13.17 min Scan# 970
 Delta R.T. 0.03 min
 Lab File: BF080491.D
 Acq: 15 Jul 2015 14:28

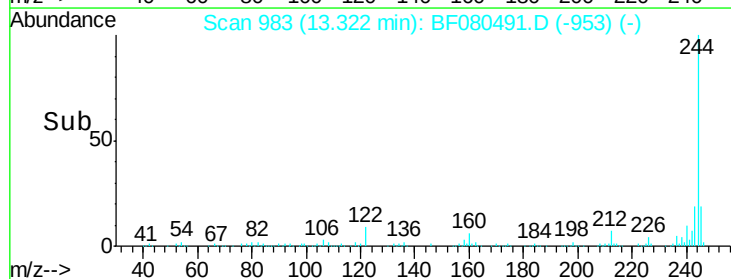
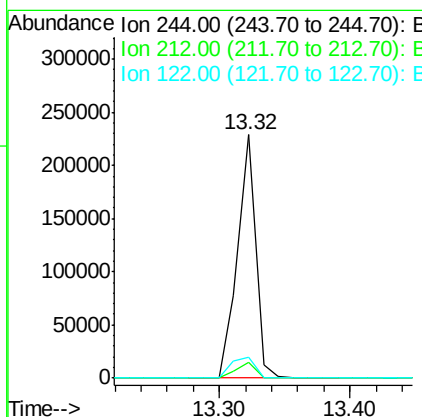
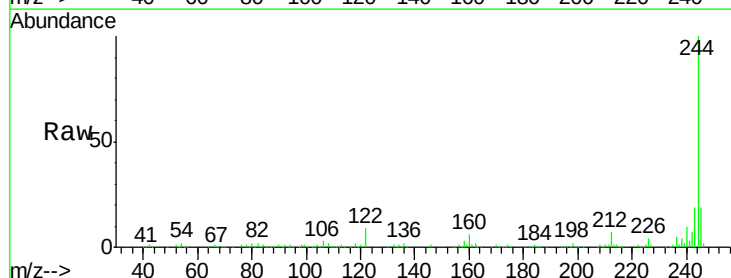
Instrument :
 BNA_F
 ClientSampleId :
 FK-EF-01-002-ABCD

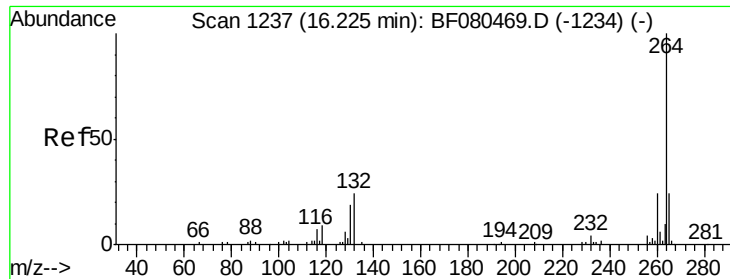
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.2	16.6	24.8
203	19.1	13.8	20.6



#78
 Terphenyl-d14
 Concen: 46.16 ng
 RT: 13.32 min Scan# 983
 Delta R.T. 0.05 min
 Lab File: BF080491.D
 Acq: 15 Jul 2015 14:28

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	4.9	7.3
122	8.7	5.2	7.8

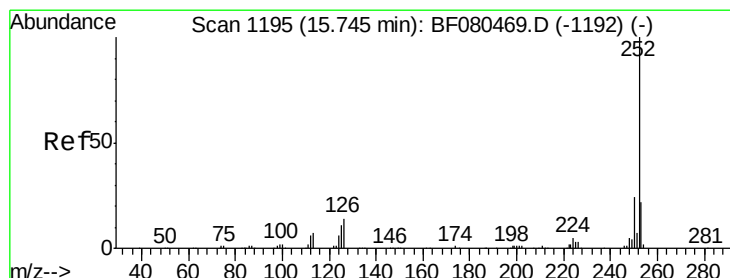
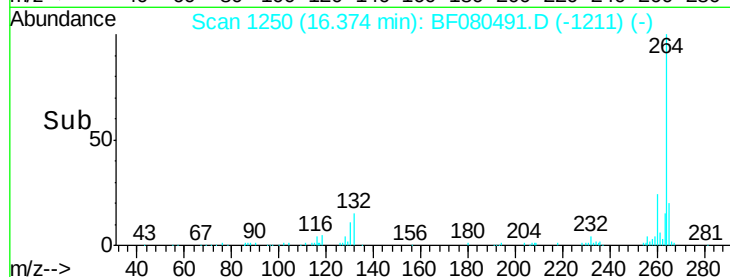
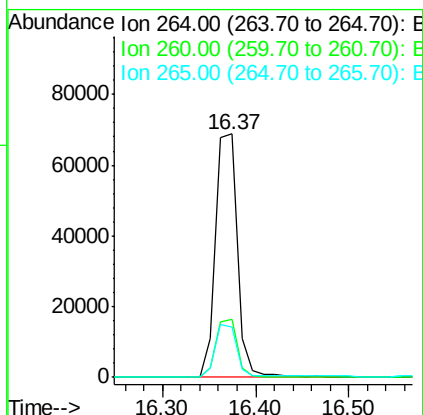
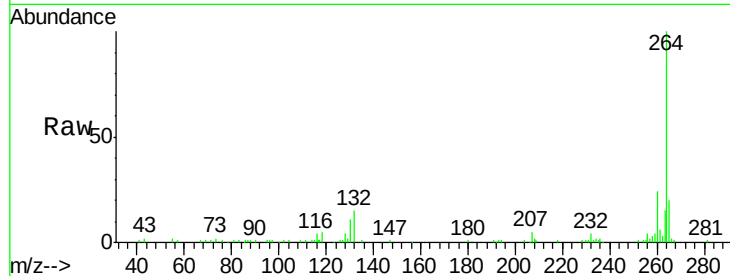




#86
Perylene-d12
Concen: 20.00 ng
RT: 16.37 min Scan# 1250
Delta R.T. 0.15 min
Lab File: BF080491.D
Acq: 15 Jul 2015 14:28

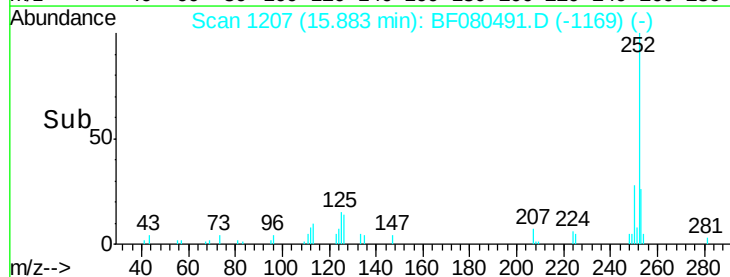
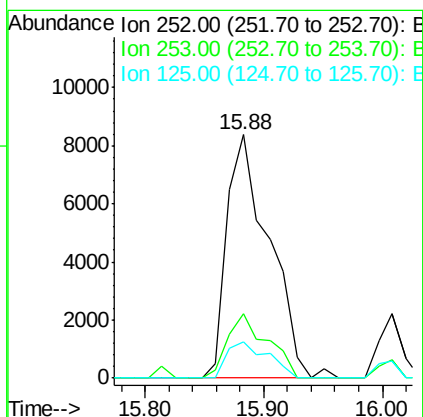
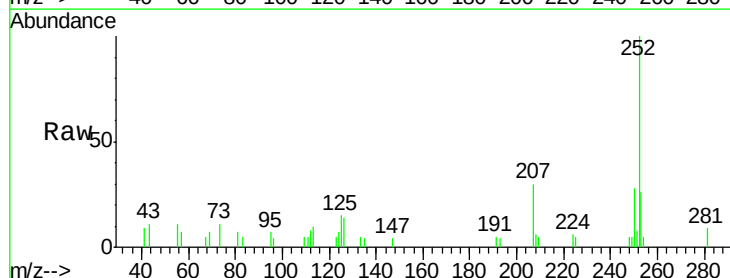
Instrument :
BNA_F
ClientSampleId :
FK-EF-01-002-ABCD

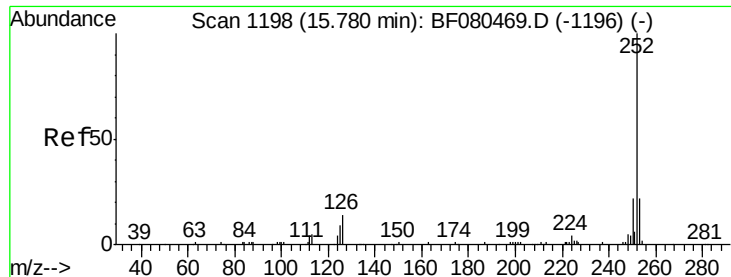
Tgt Ion: 264 Resp: 112072
Ion Ratio Lower Upper
264 100
260 23.8 19.0 28.6
265 20.4 18.9 28.3



#87
Benzo(b)fluoranthene
Concen: 3.25 ng
RT: 15.88 min Scan# 1207
Delta R.T. 0.14 min
Lab File: BF080491.D
Acq: 15 Jul 2015 14:28

Tgt Ion: 252 Resp: 20801
Ion Ratio Lower Upper
252 100
253 26.2 17.5 26.3
125 14.7 9.0 13.4#





#88
 Benzo(k)fluoranthene
 Concen: 3.36 ng
 RT: 15.88 min Scan# 1207
 Delta R.T. 0.10 min
 Lab File: BF080491.D
 Acq: 15 Jul 2015 14:28

Instrument :
 BNA_F
 ClientSampleId :
 FK-EF-01-002-ABCD

Tgt Ion: 252 Resp: 20801
 Ion Ratio Lower Upper
 252 100
 253 26.2 17.0 25.6#
 125 14.7 7.0 10.4#

