

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071816\
 Data File : BF089094.D
 Acq On : 18 Jul 2016 21:11
 Operator : UM/SJ
 Sample : H4044-21
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 M10-B2(0-4)C

Quant Time: Jul 19 03:16:55 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 11 18:13:32 2016
 Response via : Initial Calibration

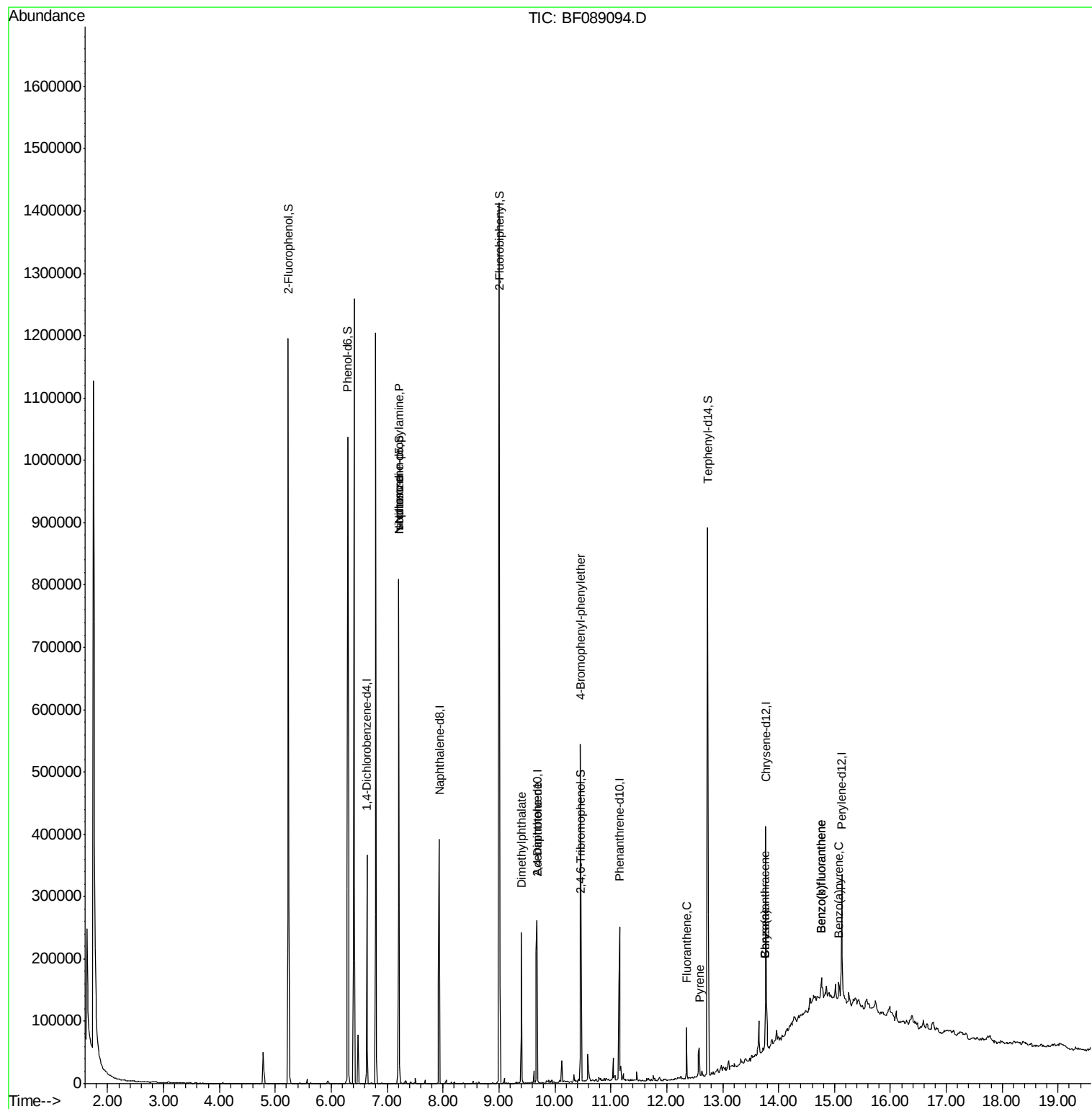
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.64	152	48886	20.00	ng	-0.07
21) Naphthalene-d8	7.93	136	193634	20.00	ng	-0.07
38) Acenaphthene-d10	9.68	164	69077	20.00	ng	-0.07
63) Phenanthrene-d10	11.15	188	110304	20.00	ng	-0.07
75) Chrysene-d12	13.77	240	96028	20.00	ng	-0.08
86) Perylene-d12	15.13	264	74252	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.23	112	345360	105.88	ng	-0.06
7) Phenol-d6	6.30	99	427724	101.48	ng	-0.06
23) Nitrobenzene-d5	7.21	82	276443	74.82	ng	-0.07
41) 2,4,6-Tribromophenol	10.47	330	60194	93.84	ng	-0.07
44) 2-Fluorobiphenyl	9.00	172	398415	91.11	ng	-0.07
78) Terphenyl-d14	12.73	244	254661	59.07	ng	-0.07
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.21	70	37797	13.35	ng	# 74
25) Isophorone	7.21	82	203623	29.75	ng	# 65
49) Dimethylphthalate	9.40	163	103463	21.02	ng	99
56) 2,4-Dinitrotoluene	9.68	165	8714	6.11	ng	# 36
66) 4-Bromophenyl-phenylether	10.46	248	4180	3.76	ng	# 1
74) Fluoranthene	12.35	202	30237	4.95	ng	95
77) Pyrene	12.58	202	25037	3.08	ng	97
80) Benzo(a)anthracene	13.76	228	15967	2.58	ng	96
82) Chrysene	13.76	228	15967	2.61	ng	97
87) Benzo(b)fluoranthene	14.77	252	19822	4.26	ng	# 82
88) Benzo(k)fluoranthene	14.77	252	19822	4.89	ng	# 86
89) Benzo(a)pyrene	15.07	252	9574	2.43	ng	# 77

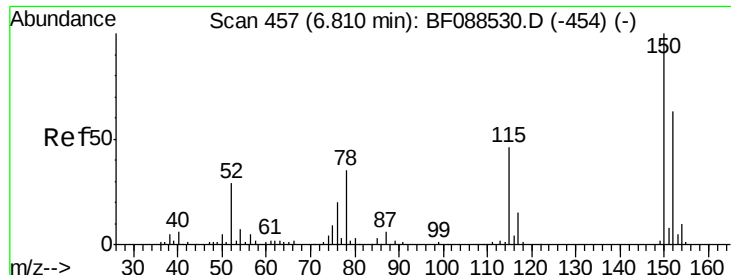
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.64 min Scan# 442

Delta R.T. -0.07 min

Lab File: BF089094.D

Acq: 18 Jul 2016 21:11

Instrument :

BNA_F

ClientSampleId :

M10-B2(0-4)C

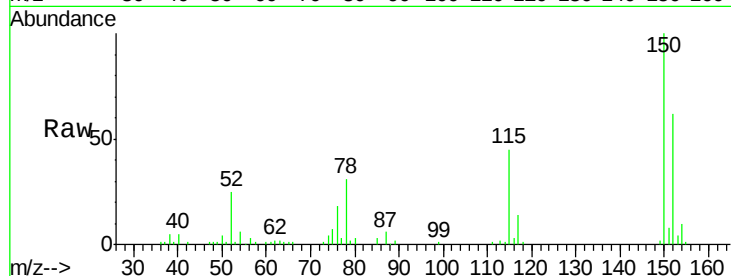
Tgt Ion:152 Resp: 48886

Ion Ratio Lower Upper

152 100

150 160.0 123.8 185.6

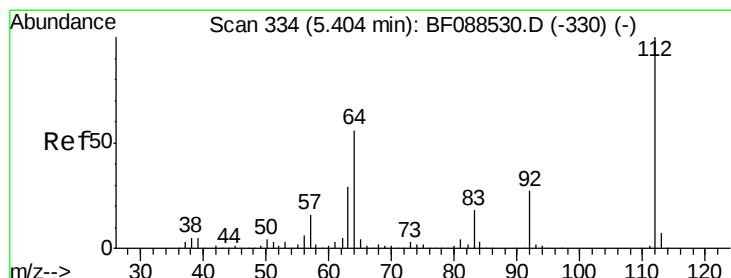
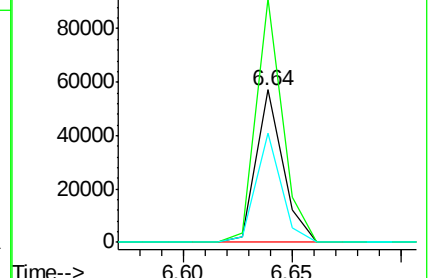
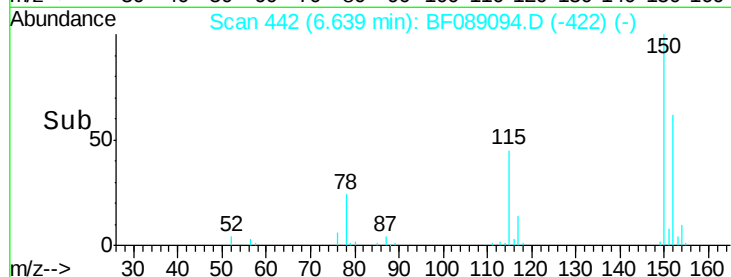
115 71.9 39.6 59.4#



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: 105.88 ng

RT: 5.23 min Scan# 319

Delta R.T. -0.06 min

Lab File: BF089094.D

Acq: 18 Jul 2016 21:11

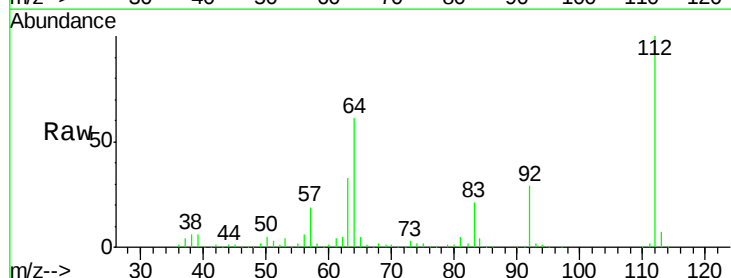
Tgt Ion:112 Resp: 345360

Ion Ratio Lower Upper

112 100

64 60.6 42.2 63.2

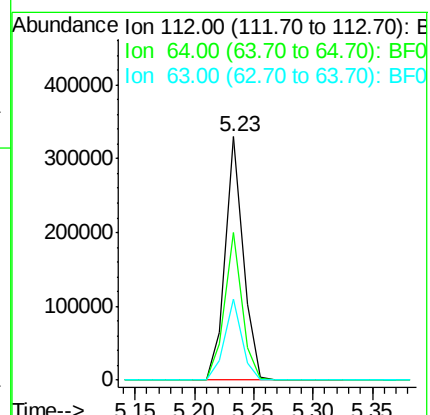
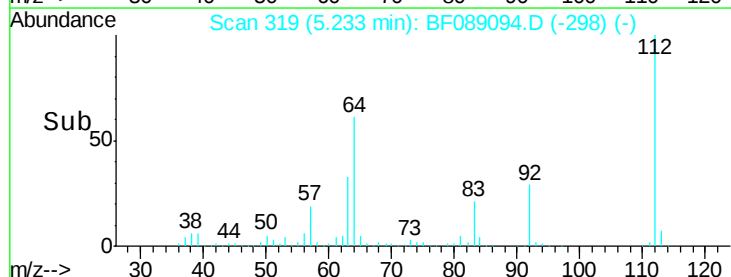
63 33.2 21.8 32.8#



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: 101.48 ng

RT: 6.30 min Scan# 412

Delta R.T. -0.06 min

Lab File: BF089094.D

Acq: 18 Jul 2016 21:11

Instrument :

BNA_F

ClientSampleId :

M10-B2(0-4)C

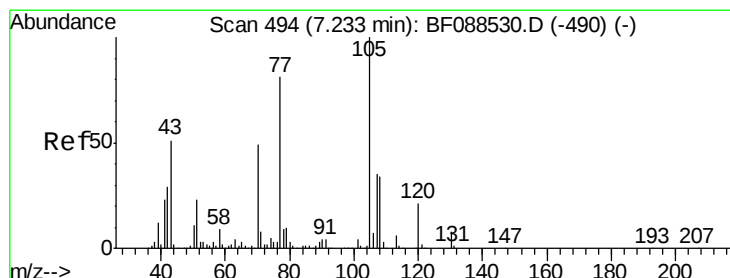
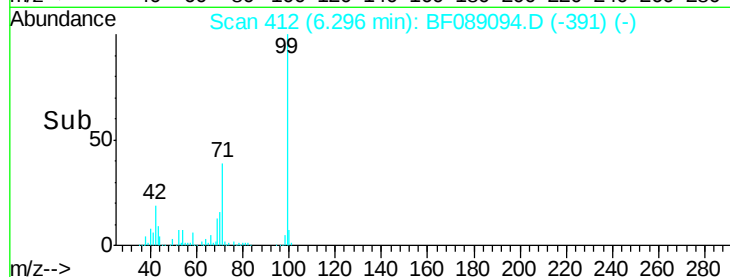
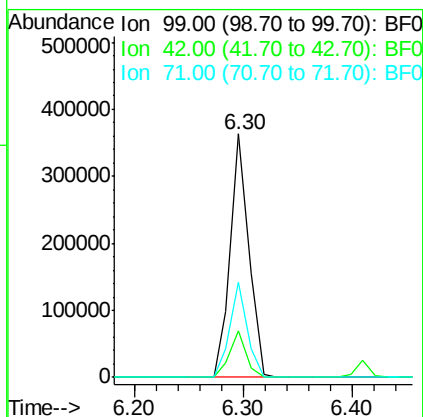
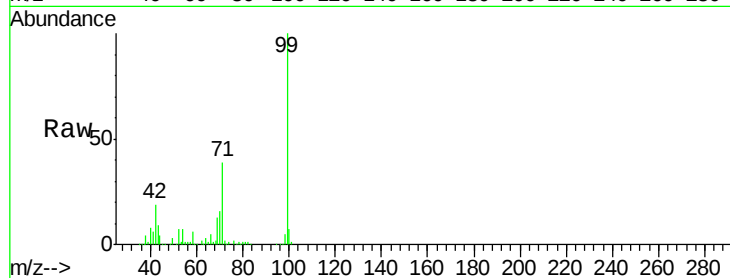
Tgt Ion: 99 Resp: 427724

Ion Ratio Lower Upper

99 100

42 19.0 12.2 18.2#

71 38.9 23.4 35.0#



#19

n-Nitroso-di-n-propylamine

Concen: 13.35 ng

RT: 7.21 min Scan# 492

Delta R.T. 0.07 min

Lab File: BF089094.D

Acq: 18 Jul 2016 21:11

Tgt Ion: 70 Resp: 37797

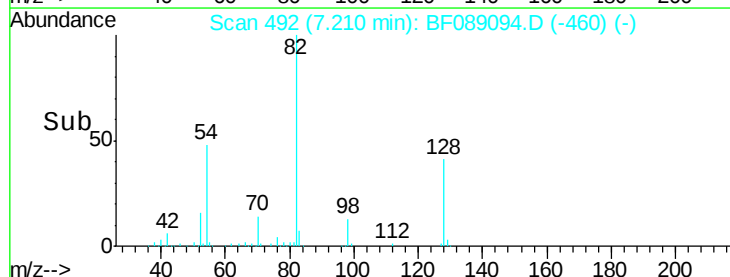
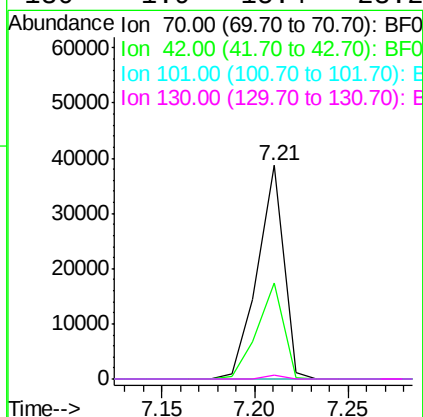
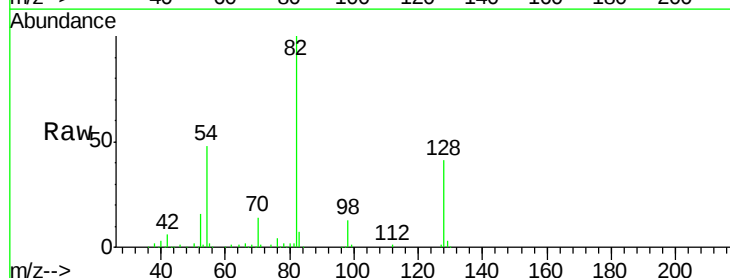
Ion Ratio Lower Upper

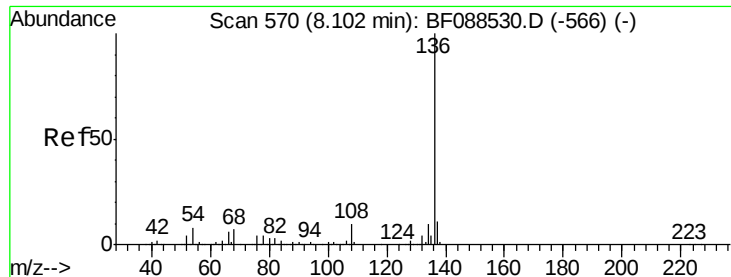
70 100

42 45.2 49.6 74.4#

101 0.0 7.1 10.7#

130 1.9 15.4 23.2#

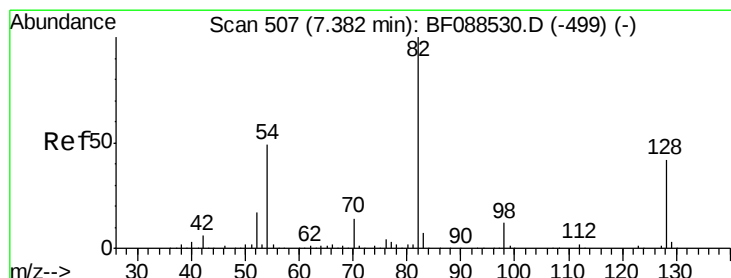
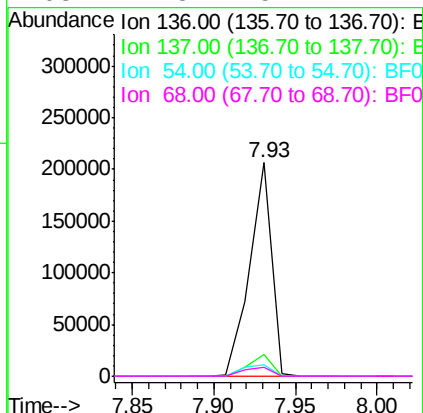
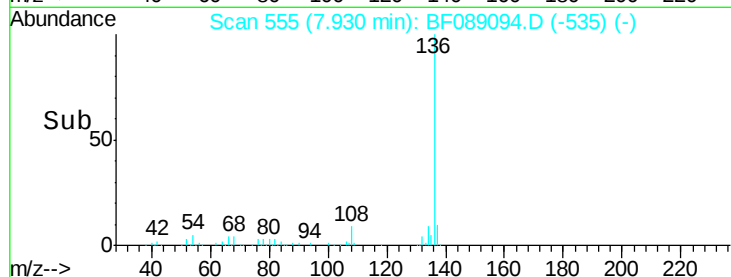
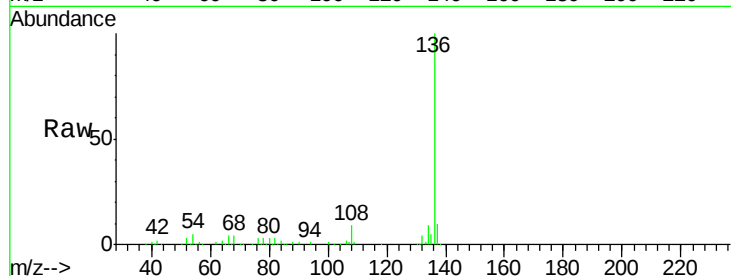




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.93 min Scan# 555
Delta R.T. -0.07 min
Lab File: BF089094.D
Acq: 18 Jul 2016 21:11

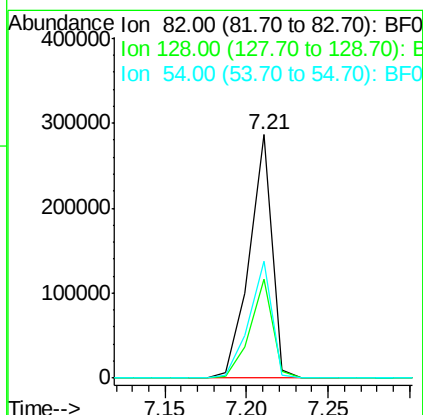
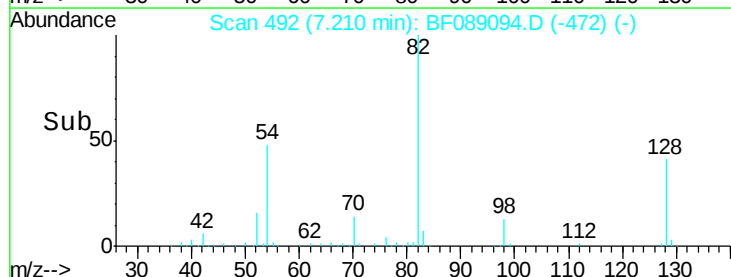
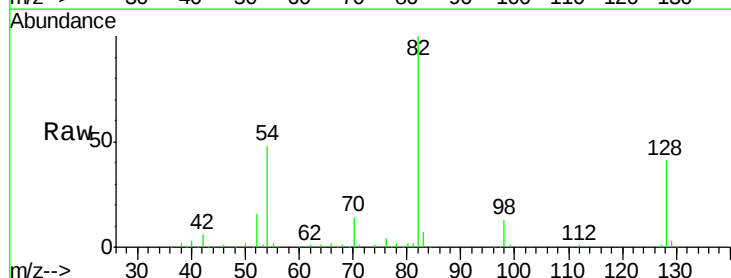
Instrument :
BNA_F
ClientSampleId :
M10-B2(0-4)C

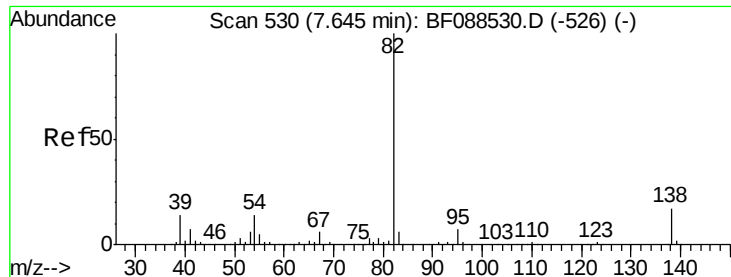
Tgt Ion:	136	Resp:	193634
Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.1	13.7
54	5.3	6.6	10.0#
68	4.3	5.1	7.7#



#23
Nitrobenzene-d5
Concen: 74.82 ng
RT: 7.21 min Scan# 492
Delta R.T. -0.07 min
Lab File: BF089094.D
Acq: 18 Jul 2016 21:11

Tgt Ion:	82	Resp:	276443
Ion	Ratio	Lower	Upper
82	100		
128	40.6	35.9	53.9
54	48.2	40.9	61.3





#25

Isophorone

Concen: 29.75 ng

RT: 7.21 min Scan# 492

Delta R.T. -0.33 min

Lab File: BF089094.D

Acq: 18 Jul 2016 21:11

Instrument :

BNA_F

ClientSampleId :

M10-B2(0-4)C

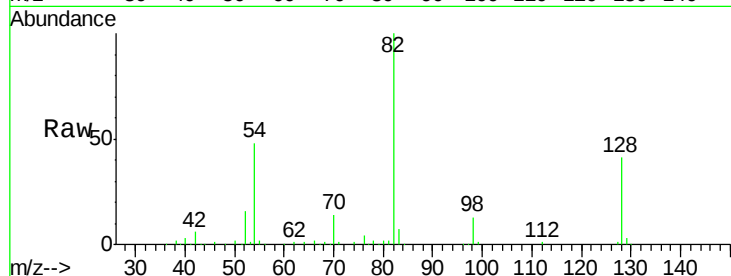
Tgt Ion: 82 Resp: 203623

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

138 0.0 14.6 21.8#

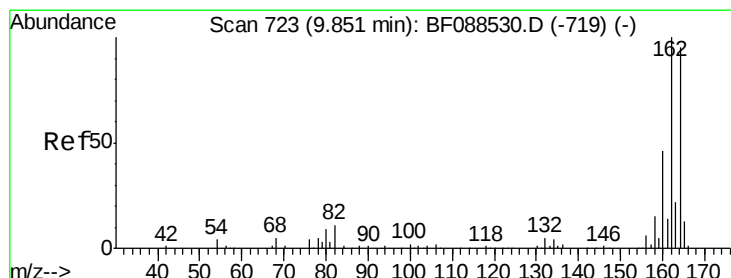
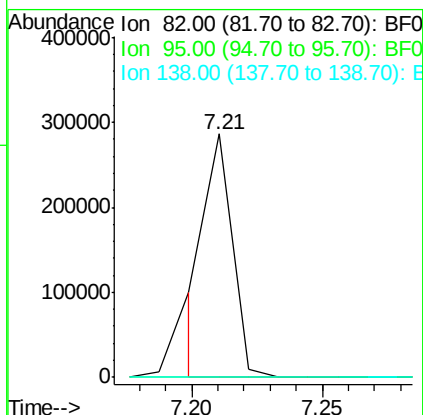
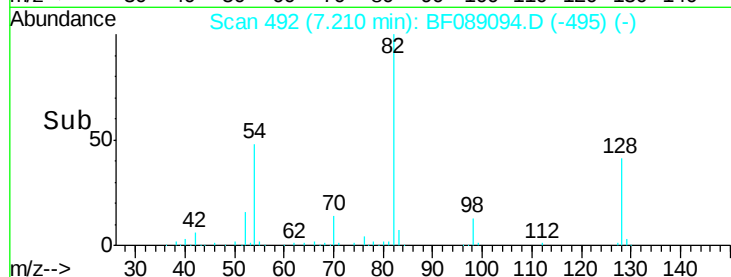


Abundance Ion 82.00 (81.70 to 82.70): BF088530.D (-526) (-)

Ion 95.00 (94.70 to 95.70): BF088530.D (-526) (-)

Ion 138.00 (137.70 to 138.70): BF088530.D (-526) (-)

Time-->



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.68 min Scan# 708

Delta R.T. -0.07 min

Lab File: BF089094.D

Acq: 18 Jul 2016 21:11

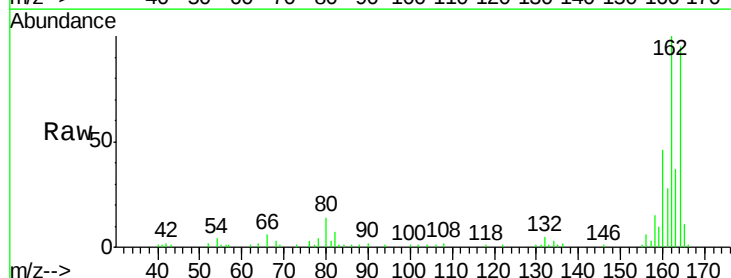
Tgt Ion: 164 Resp: 69077

Ion Ratio Lower Upper

164 100

162 105.5 85.4 128.2

160 48.5 39.5 59.3

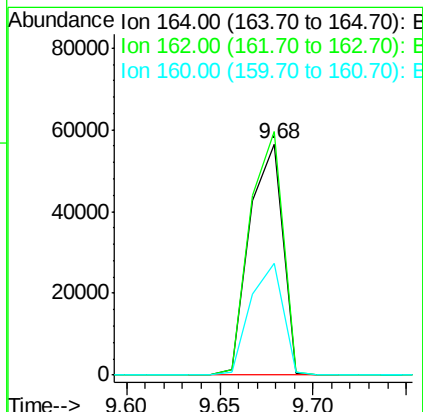
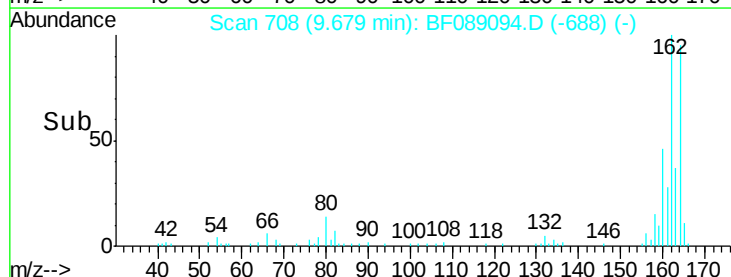


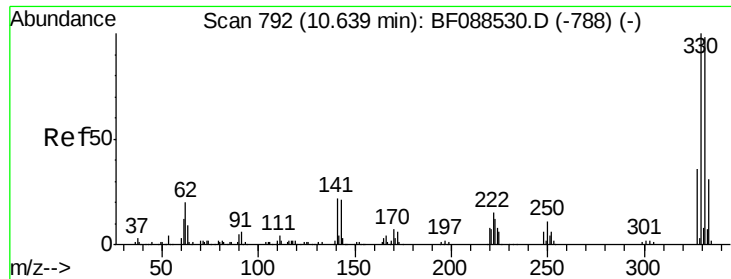
Abundance Ion 164.00 (163.70 to 164.70): BF088530.D (-719) (-)

Ion 162.00 (161.70 to 162.70): BF088530.D (-719) (-)

Ion 160.00 (159.70 to 160.70): BF088530.D (-719) (-)

Time-->

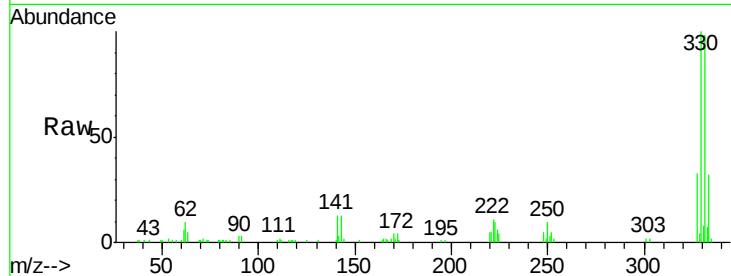




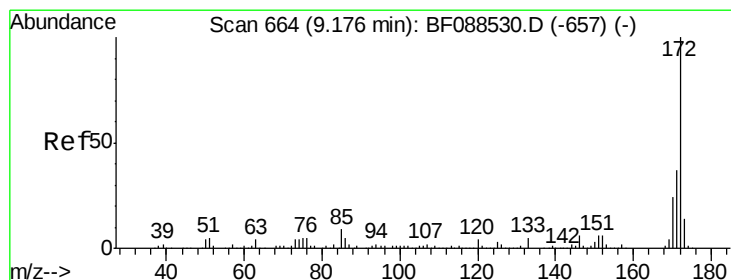
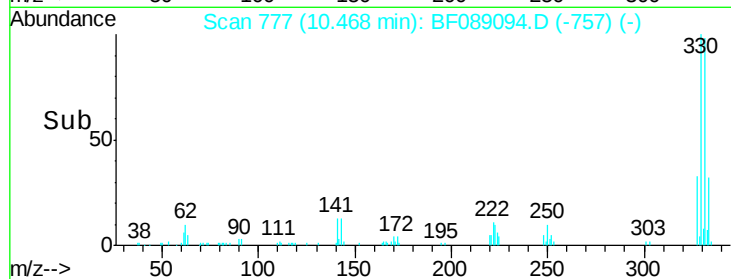
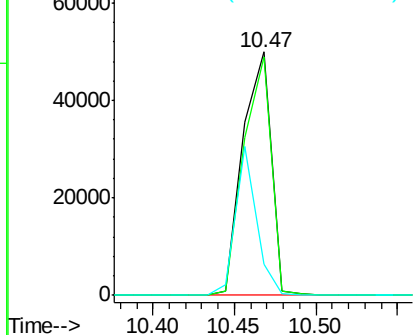
#41
 2,4,6-Tribromophenol
 Concen: 93.84 ng
 RT: 10.47 min Scan# 777
 Delta R.T. -0.07 min
 Lab File: BF089094.D
 Acq: 18 Jul 2016 21:11

Instrument :
 BNA_F
 ClientSampleId :
 M10-B2(0-4)C

Tgt Ion:330 Resp: 60194
 Ion Ratio Lower Upper
 330 100
 332 95.2 0.0 0.0#
 141 44.7 0.0 0.0#

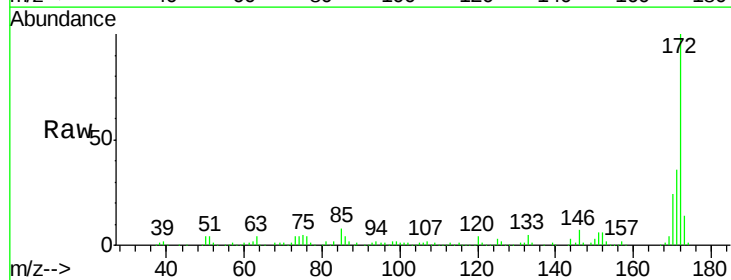


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

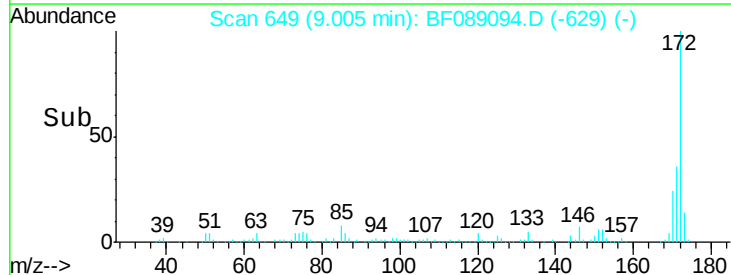
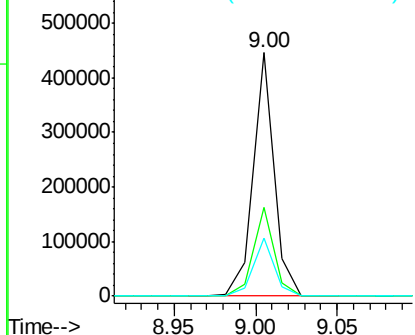


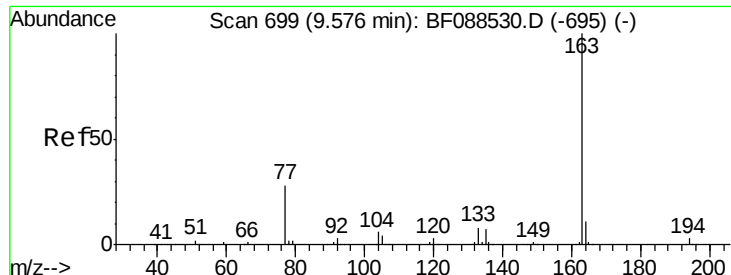
#44
 2-Fluorobiphenyl
 Concen: 91.11 ng
 RT: 9.00 min Scan# 649
 Delta R.T. -0.07 min
 Lab File: BF089094.D
 Acq: 18 Jul 2016 21:11

Tgt Ion:172 Resp: 398415
 Ion Ratio Lower Upper
 172 100
 171 36.5 28.6 43.0
 170 23.7 19.2 28.8



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

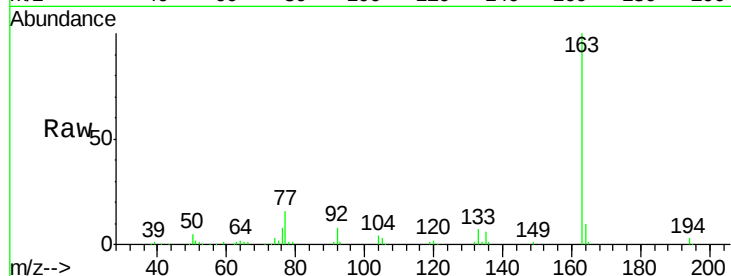




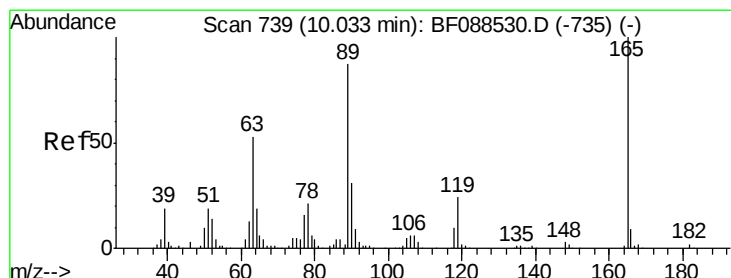
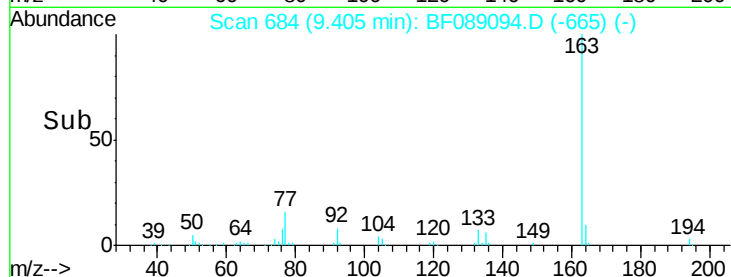
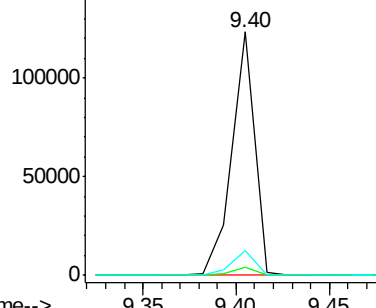
#49
Dimethylphthalate
Concen: 21.02 ng
RT: 9.40 min Scan# 684
Delta R.T. -0.08 min
Lab File: BF089094.D
Acq: 18 Jul 2016 21:11

Instrument :
BNA_F
ClientSampleId :
M10-B2(0-4)C

Tgt Ion:163 Resp: 103463
Ion Ratio Lower Upper
163 100
194 3.3 2.8 4.2
164 10.0 8.3 12.5

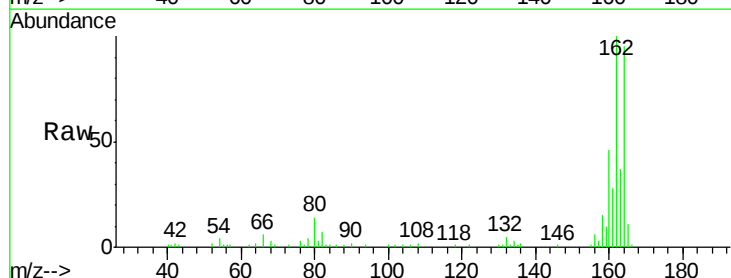


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

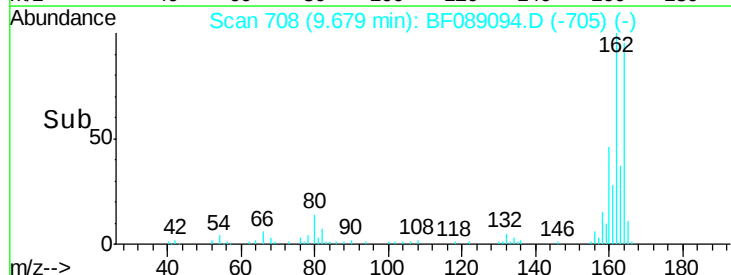
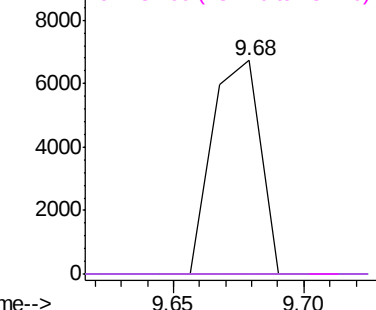


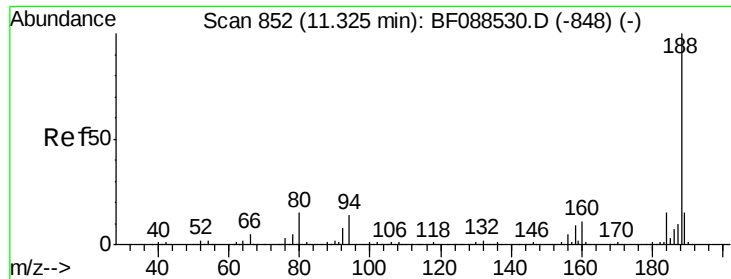
#56
2,4-Dinitrotoluene
Concen: 6.11 ng
RT: 9.68 min Scan# 708
Delta R.T. -0.26 min
Lab File: BF089094.D
Acq: 18 Jul 2016 21:11

Tgt Ion:165 Resp: 8714
Ion Ratio Lower Upper
165 100
63 0.0 22.0 33.0#
89 0.0 41.1 61.7#
182 0.0 2.0 3.0#



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

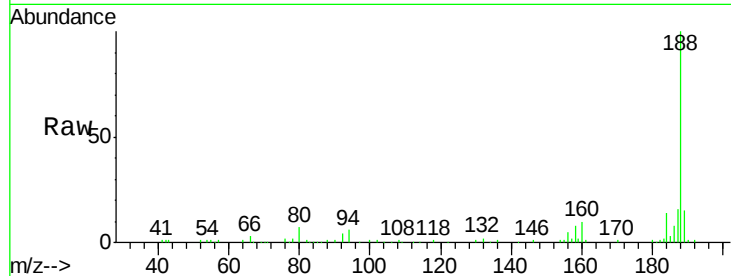




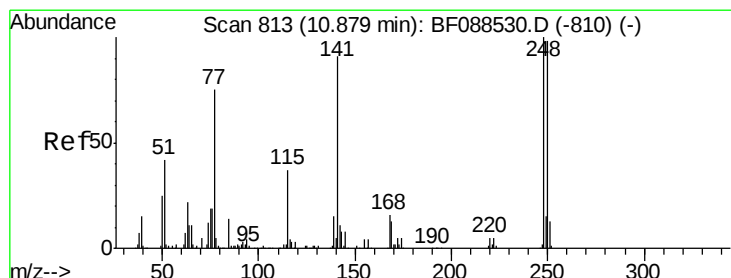
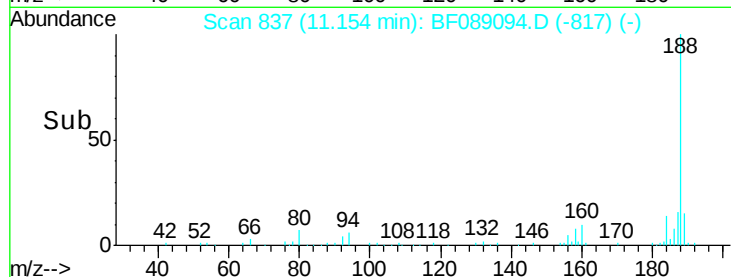
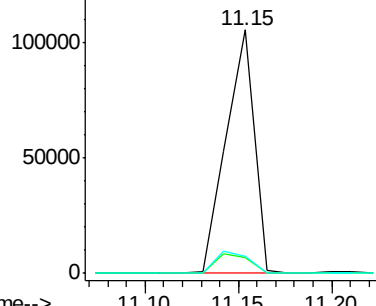
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.15 min Scan# 837
Delta R.T. -0.07 min
Lab File: BF089094.D
Acq: 18 Jul 2016 21:11

Instrument :
BNA_F
ClientSampleId :
M10-B2(0-4)C

Tgt Ion:188 Resp: 110304
Ion Ratio Lower Upper
188 100
94 6.4 9.0 13.6#
80 6.8 10.0 15.0#

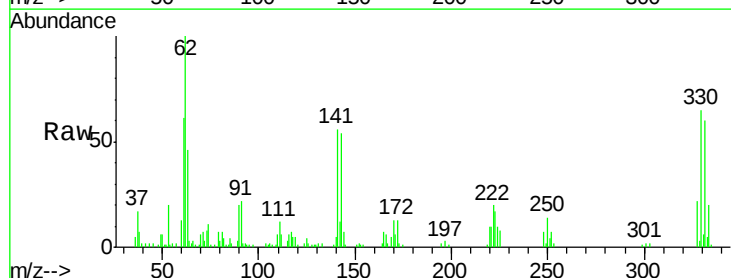


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

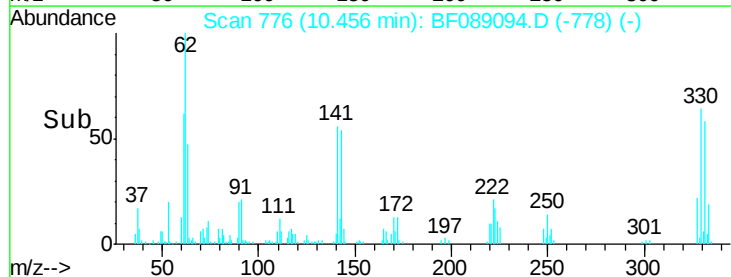
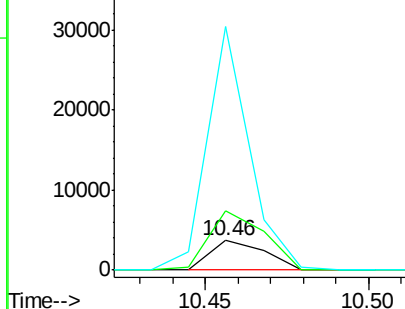


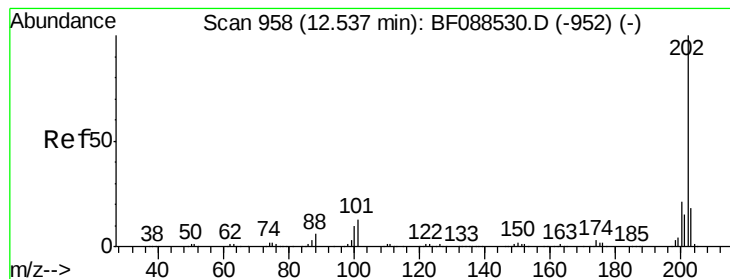
#66
4-Bromophenyl-phenylether
Concen: 3.76 ng
RT: 10.46 min Scan# 776
Delta R.T. -0.32 min
Lab File: BF089094.D
Acq: 18 Jul 2016 21:11

Tgt Ion:248 Resp: 4180
Ion Ratio Lower Upper
248 100
250 202.8 77.1 115.7#
141 825.2 50.6 76.0#



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: 4.95 ng

RT: 12.35 min Scan# 942

Delta R.T. -0.07 min

Lab File: BF089094.D

Acq: 18 Jul 2016 21:11

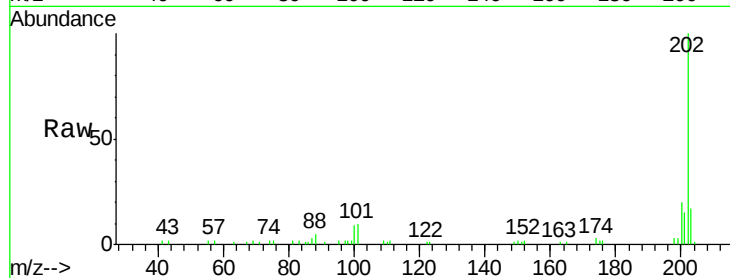
Instrument :

BNA_F

ClientSampleId :

M10-B2(0-4)C

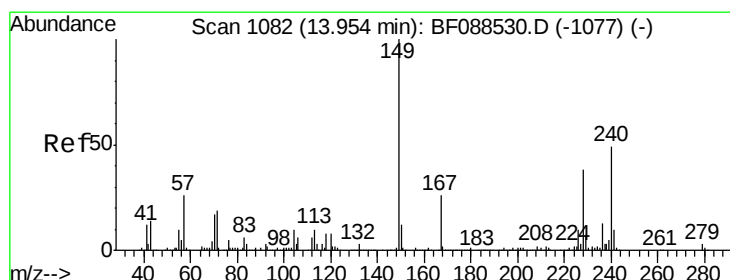
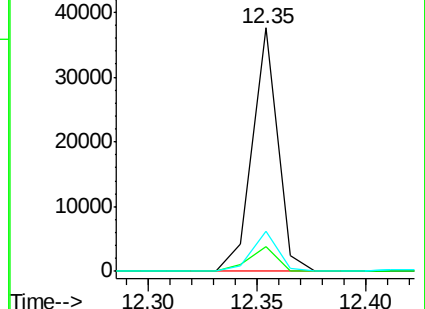
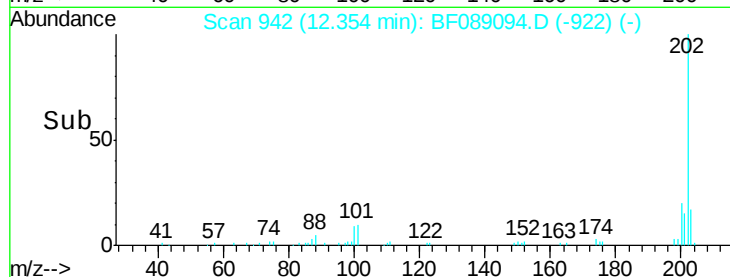
Tgt Ion:	202	Resp:	30237
Ion Ratio	Lower	Upper	
202	100		
101	9.9	0.0	33.1
203	16.6	0.0	38.1



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

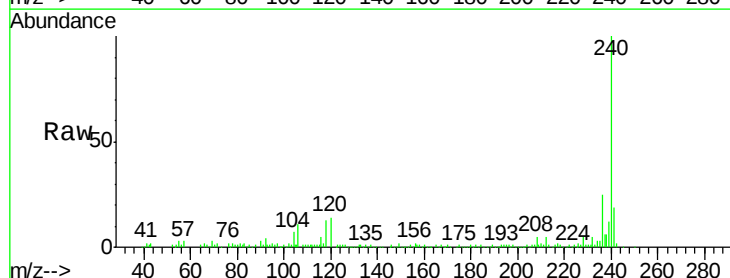
RT: 13.77 min Scan# 1066

Delta R.T. -0.08 min

Lab File: BF089094.D

Acq: 18 Jul 2016 21:11

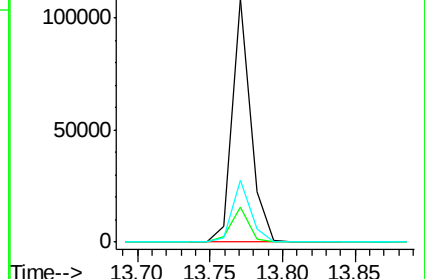
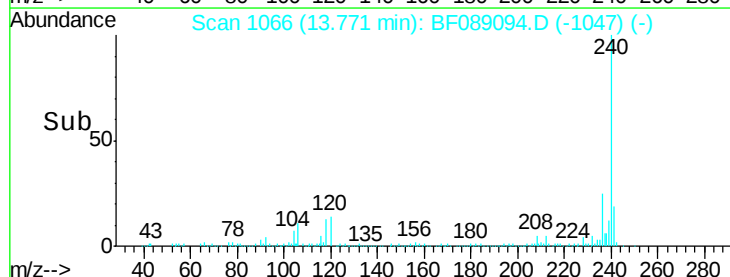
Tgt Ion:	240	Resp:	96028
Ion Ratio	Lower	Upper	
240	100		
120	14.4	6.8	10.2#
236	25.3	20.2	30.2

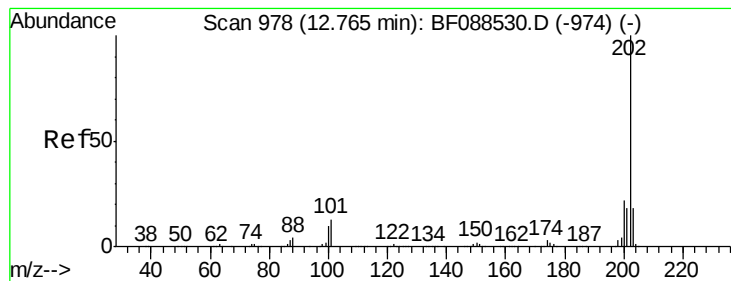


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 3.08 ng

RT: 12.58 min Scan# 962

Delta R.T. -0.07 min

Lab File: BF089094.D

Acq: 18 Jul 2016 21:11

Instrument :

BNA_F

ClientSampleId :

M10-B2(0-4)C

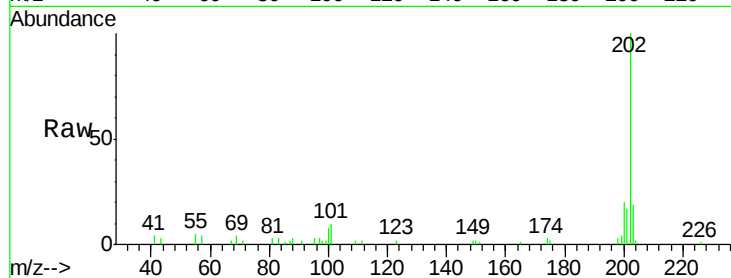
Tgt Ion: 202 Resp: 25037

Ion Ratio Lower Upper

202 100

200 19.9 17.4 26.2

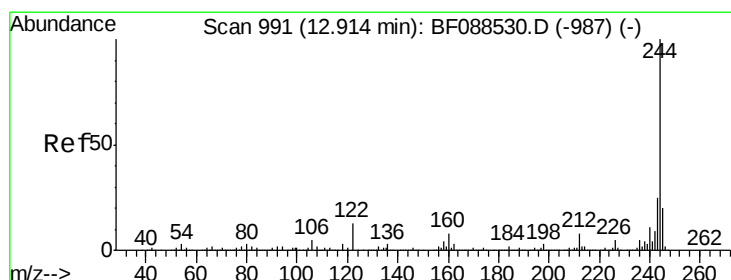
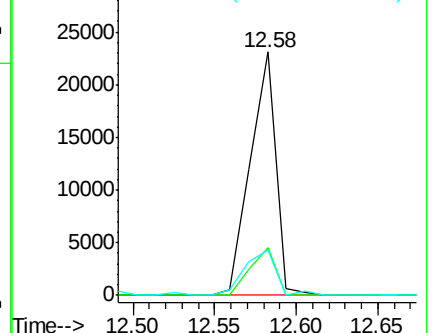
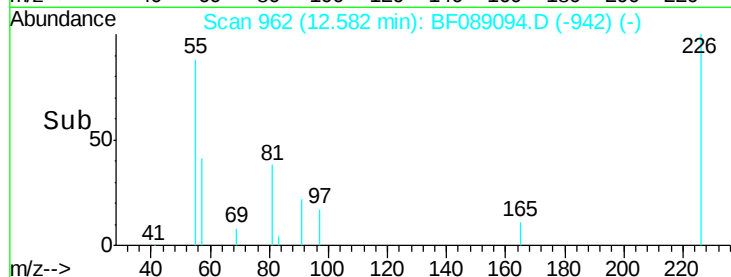
203 18.8 14.5 21.7



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: 59.07 ng

RT: 12.73 min Scan# 975

Delta R.T. -0.07 min

Lab File: BF089094.D

Acq: 18 Jul 2016 21:11

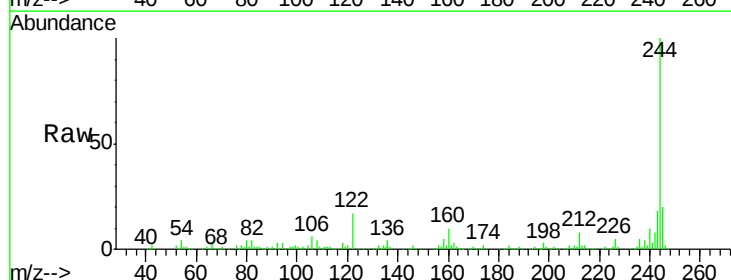
Tgt Ion: 244 Resp: 254661

Ion Ratio Lower Upper

244 100

212 8.3 6.0 9.0

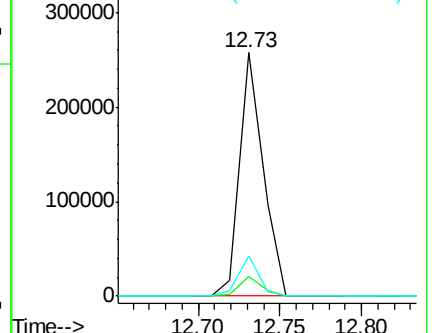
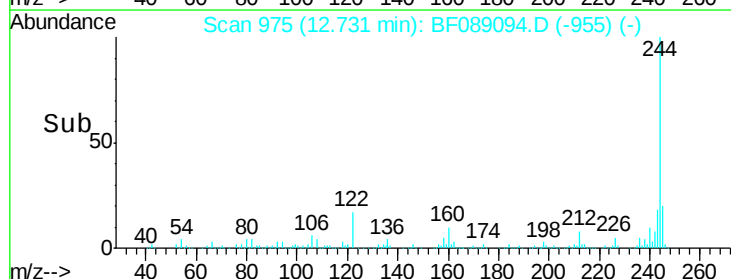
122 16.6 11.2 16.8

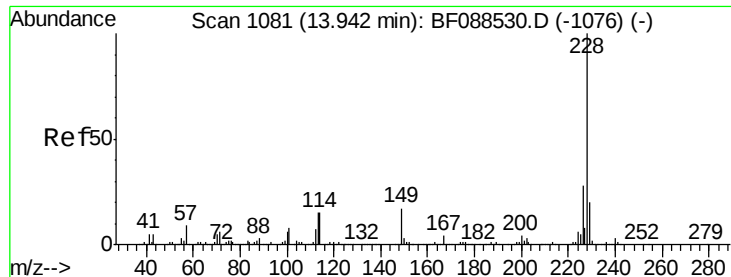


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.58 ng

RT: 13.76 min Scan# 1065

Delta R.T. -0.08 min

Lab File: BF089094.D

Acq: 18 Jul 2016 21:11

Instrument :

BNA_F

ClientSampleId :

M10-B2(0-4)C

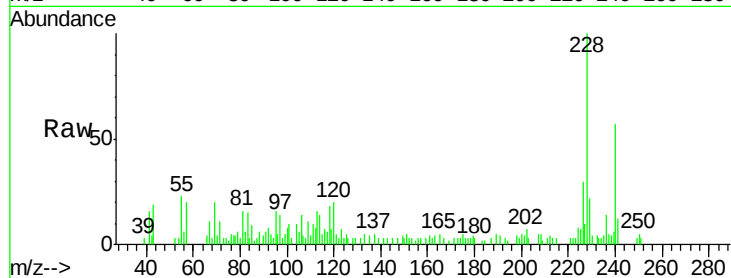
Tgt Ion:228 Resp: 15967

Ion Ratio Lower Upper

228 100

226 29.7 22.3 33.5

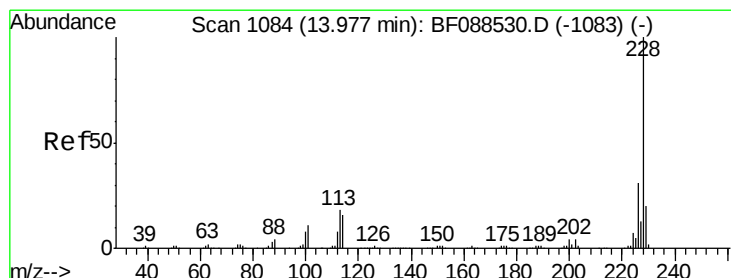
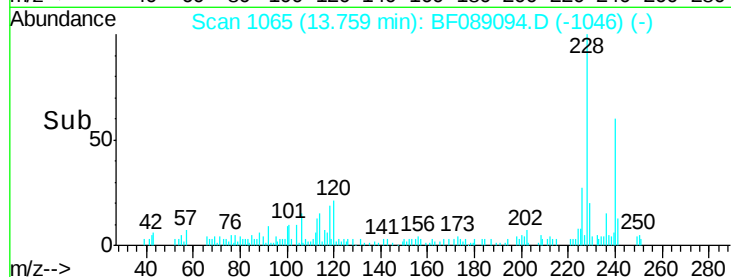
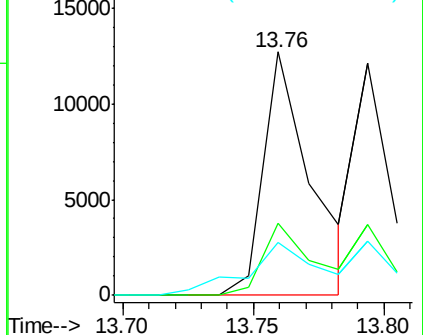
229 21.8 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 2.61 ng

RT: 13.76 min Scan# 1065

Delta R.T. -0.11 min

Lab File: BF089094.D

Acq: 18 Jul 2016 21:11

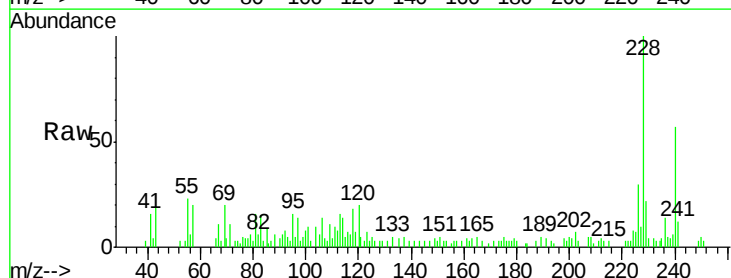
Tgt Ion:228 Resp: 15967

Ion Ratio Lower Upper

228 100

226 29.7 25.4 38.2

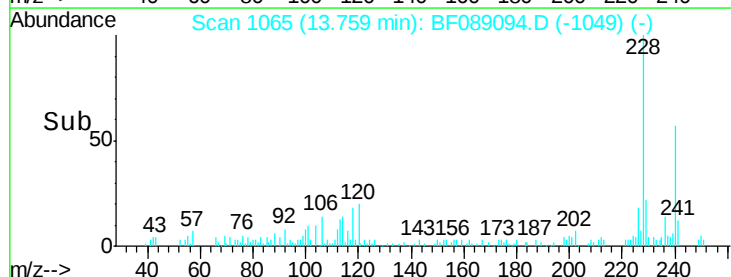
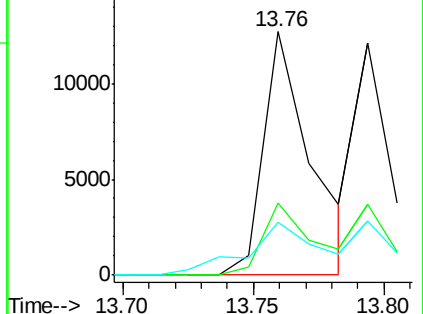
229 21.8 16.3 24.5

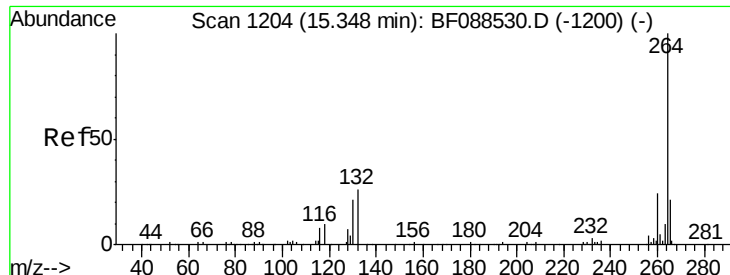


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



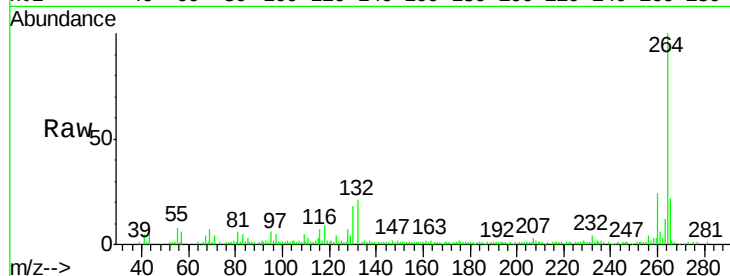


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.13 min Scan# 1185
Delta R.T. -0.08 min
Lab File: BF089094.D
Acq: 18 Jul 2016 21:11

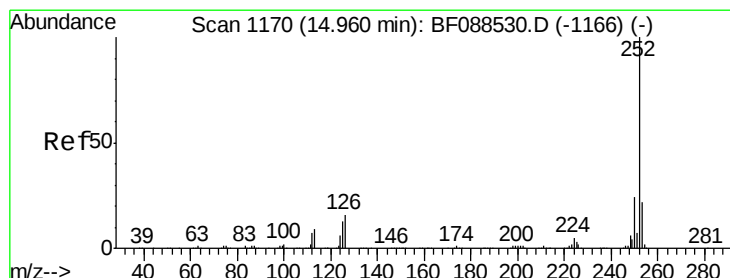
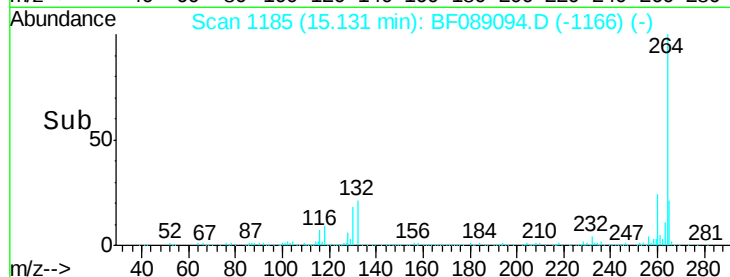
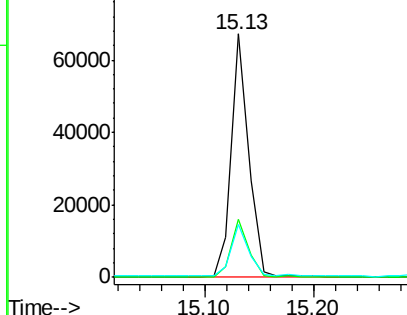
Instrument :
BNA_F
ClientSampleId :
M10-B2(0-4)C

Tgt Ion: 264 Resp: 74252

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	21.8	16.9	25.3



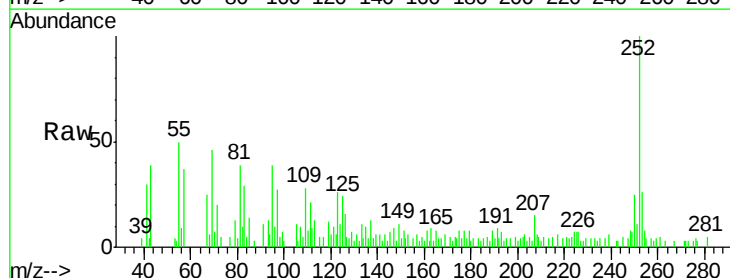
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



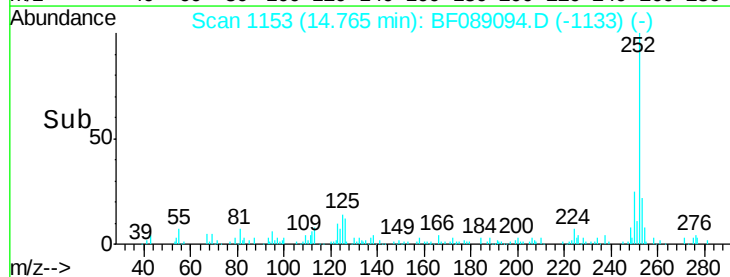
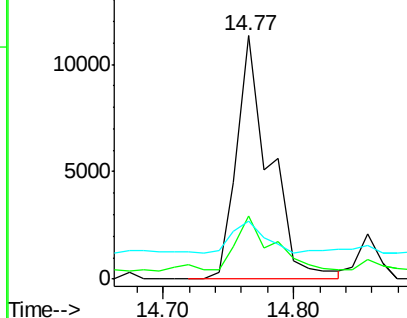
#87
Benzo(b)fluoranthene
Concen: 4.26 ng
RT: 14.77 min Scan# 1153
Delta R.T. -0.07 min
Lab File: BF089094.D
Acq: 18 Jul 2016 21:11

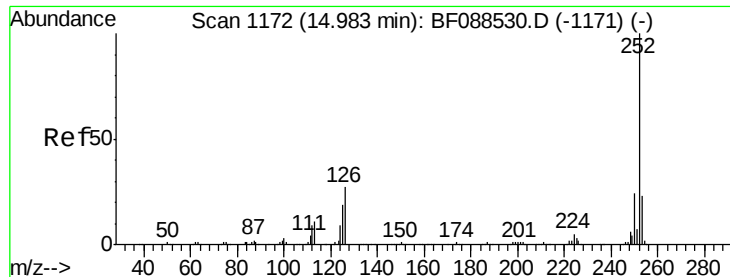
Tgt Ion: 252 Resp: 19822

Ion	Ratio	Lower	Upper
252	100		
253	26.0	17.4	26.2
125	23.7	7.1	10.7



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: 4.89 ng

RT: 14.77 min Scan# 1153

Delta R.T. -0.10 min

Lab File: BF089094.D

Acq: 18 Jul 2016 21:11

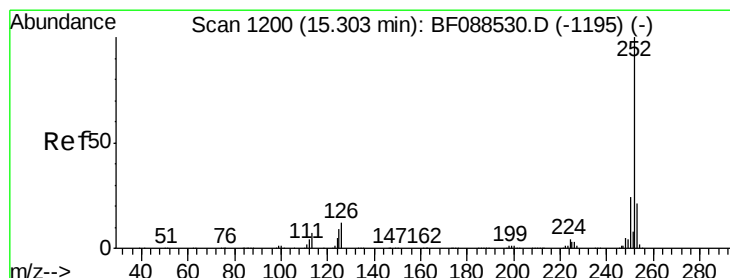
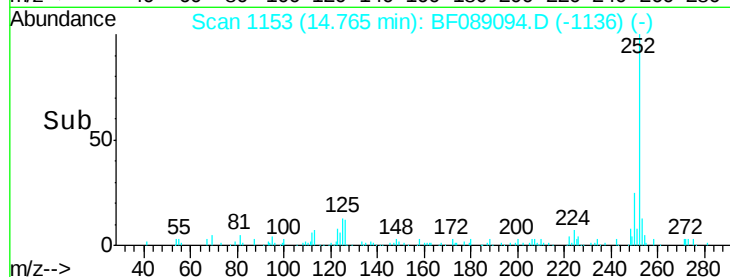
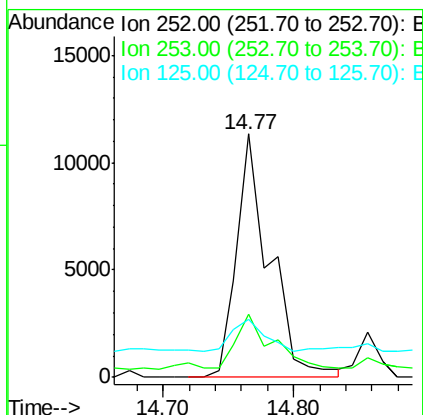
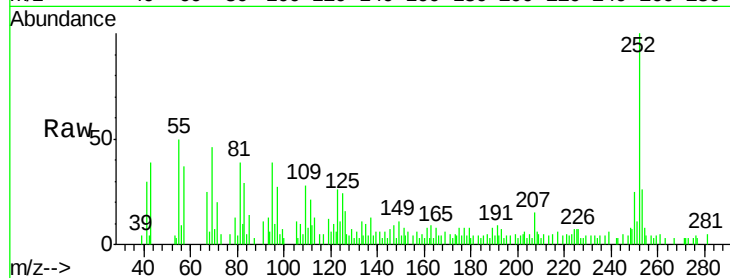
Instrument :

BNA_F

ClientSampleId :

M10-B2(0-4)C

Tgt Ion:	252	Resp:	19822
Ion	Ratio	Lower	Upper
252	100		
253	26.0	18.0	27.0
125	23.7	11.2	16.8#



#89

Benzo(a)pyrene

Concen: 2.43 ng

RT: 15.07 min Scan# 1180

Delta R.T. -0.09 min

Lab File: BF089094.D

Acq: 18 Jul 2016 21:11

Tgt Ion:	252	Resp:	9574
Ion	Ratio	Lower	Upper
252	100		
253	28.2	17.9	26.9#
125	32.2	12.5	18.7#

