

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071716\
 Data File : BF089080.D
 Acq On : 17 Jul 2016 16:12
 Operator : UM/SJ
 Sample : H4046-17
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 18 03:16:04 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	6.65	152	53908	20.00	ng	-0.06
21) Naphthalene-d8	7.94	136	230265	20.00	ng	-0.06
38) Acenaphthene-d10	9.69	164	97580	20.00	ng	-0.06
63) Phenanthrene-d10	11.16	188	153767	20.00	ng	-0.06
75) Chrysene-d12	13.79	240	109241	20.00	ng	-0.06
86) Perylene-d12	15.15	264	97396	20.00	ng	-0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.26	112	452473	125.79	ng	-0.03
7) Phenol-d6	6.32	99	596760	128.40	ng	-0.03
23) Nitrobenzene-d5	7.22	82	369080	84.00	ng	-0.06
41) 2,4,6-Tribromophenol	10.48	330	92387	101.96	ng	-0.06
44) 2-Fluorobiphenyl	9.03	172	622873	100.83	ng	-0.05
78) Terphenyl-d14	12.75	244	355717	72.53	ng	-0.05

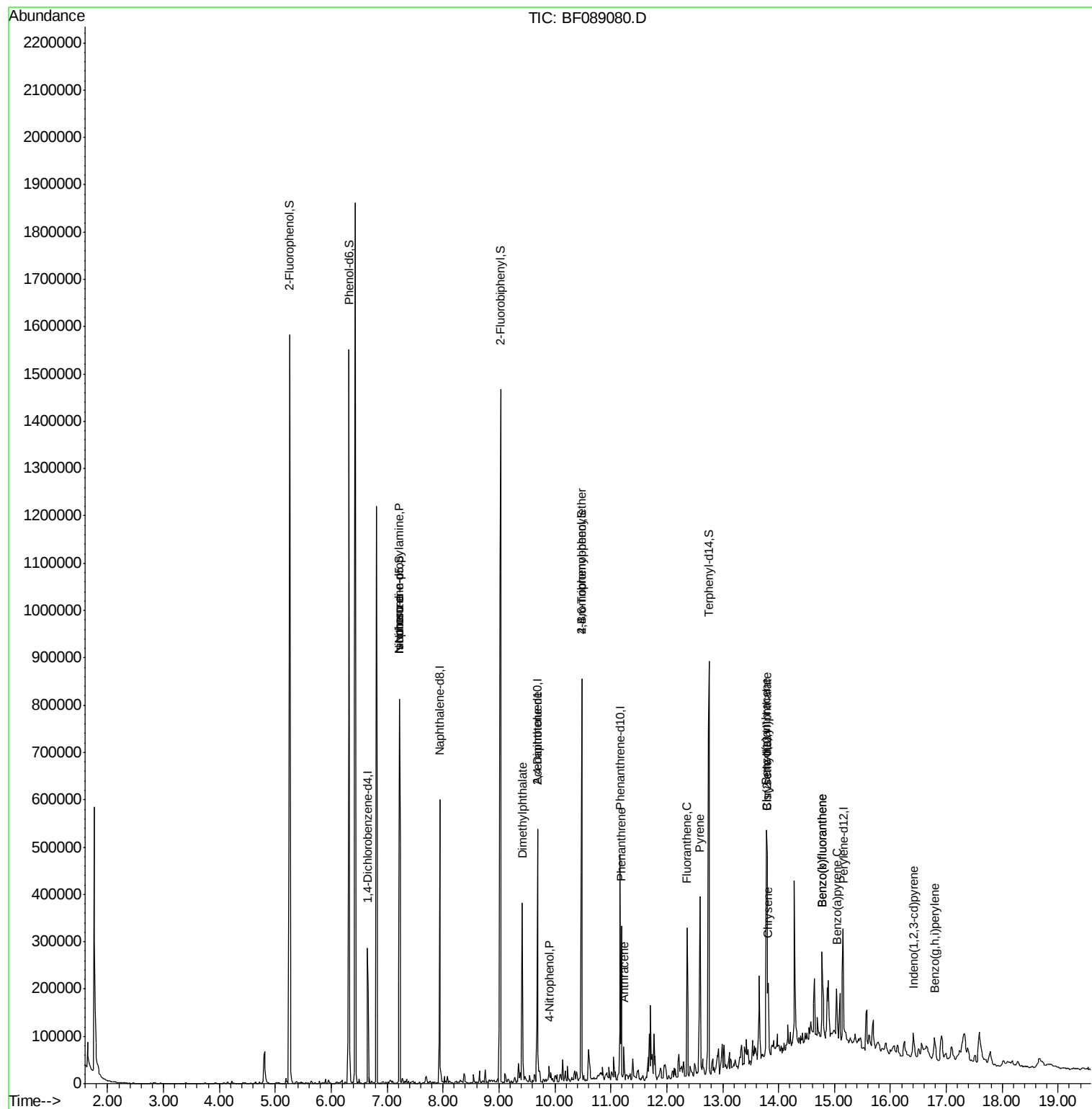
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.22	70	49207	15.76	ng	# 75
25) Isophorone	7.22	82	316766	38.92	ng	# 65
49) Dimethylphthalate	9.42	163	129642	18.65	ng	99
55) 4-Nitrophenol	9.90	139	3002	2.02	ng	# 5
56) 2,4-Dinitrotoluene	9.69	165	12765	6.34	ng	# 37
66) 4-Bromophenyl-phenylether	10.48	248	7738	4.99	ng	# 1
70) Phenanthrene	11.19	178	108113	12.86	ng	98
71) Anthracene	11.23	178	24785	2.97	ng	98
74) Fluoranthene	12.37	202	129231	15.17	ng	97
77) Pyrene	12.59	202	139699	15.08	ng	98
80) Benzo(a)anthracene	13.78	228	69471	9.88	ng	95
82) Chrysene	13.82	228	71614	10.29	ng	97
83) Bis(2-ethylhexyl)phthalate	13.79	149	54782	11.61	ng	# 99
85) Indeno(1,2,3-cd)pyrene	16.41	276	22559	4.21	ng	# 100
87) Benzo(b)fluoranthene	14.78	252	102762	16.82	ng	# 93
88) Benzo(k)fluoranthene	14.78	252	102762	19.32	ng	99
89) Benzo(a)pyrene	15.04	252	38875	7.52	ng	96
91) Benzo(g,h,i)perylene	16.79	276	21184	4.74	ng	98

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

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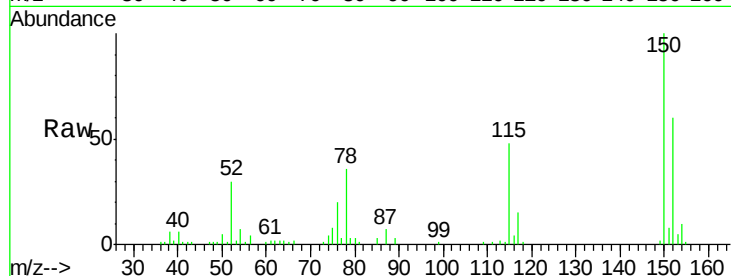


#1

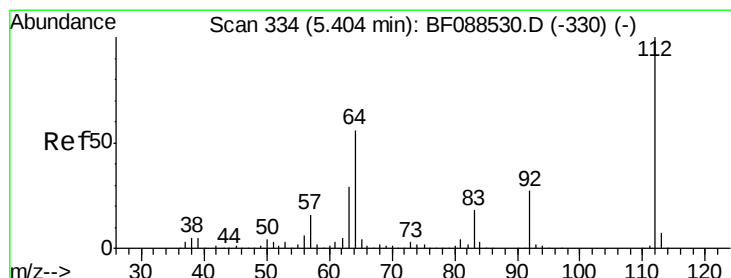
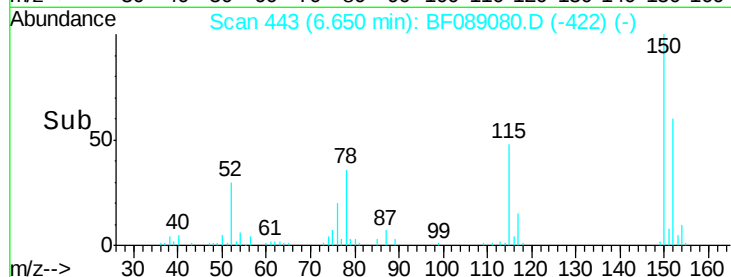
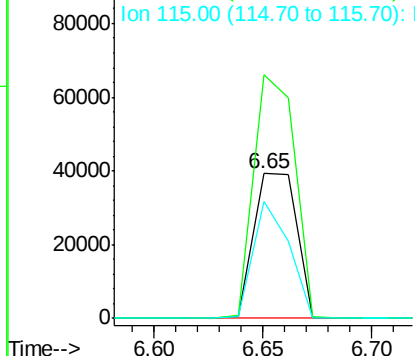
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.65 min Scan# 443
Delta R.T. -0.06 min
Lab File: BF089080.D
Acq: 17 Jul 2016 16:12

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 53908
Ion Ratio Lower Upper
152 100
150 168.1 123.8 185.6
115 80.6 39.6 59.4#



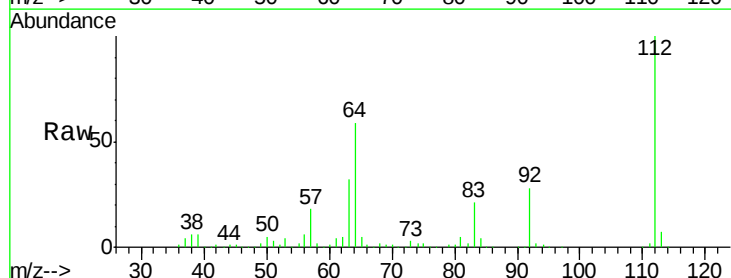
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



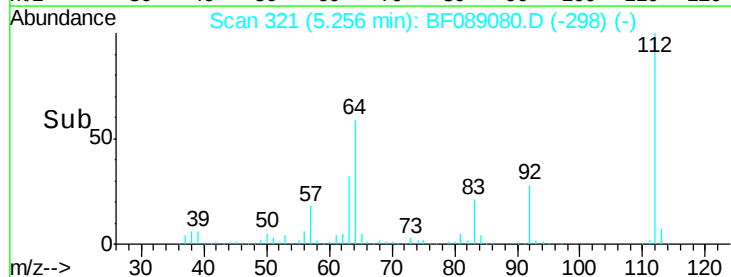
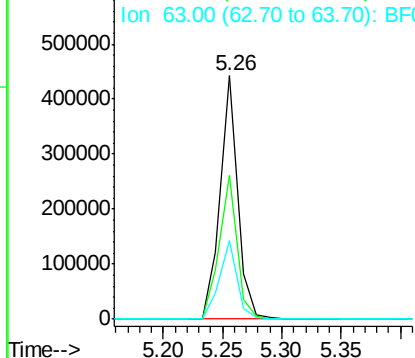
#5

2-Fluorophenol
Concen: 125.79 ng
RT: 5.26 min Scan# 321
Delta R.T. -0.03 min
Lab File: BF089080.D
Acq: 17 Jul 2016 16:12

Tgt Ion:112 Resp: 452473
Ion Ratio Lower Upper
112 100
64 59.0 42.2 63.2
63 32.2 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: 128.40 ng

RT: 6.32 min Scan# 414

Delta R.T. -0.03 min

Lab File: BF089080.D

Acq: 17 Jul 2016 16:12

Instrument :

BNA_F

ClientSampleId :

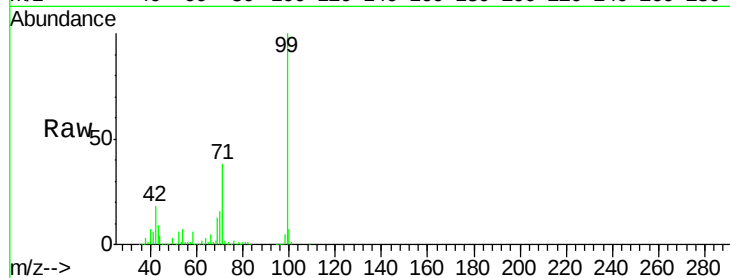
Tot Ion: 99 Resp: 596760

Ion Ratio Lower Upper

99 100

42 17.7 12.2 18.2

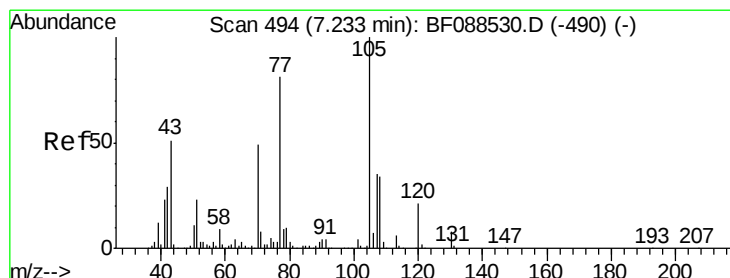
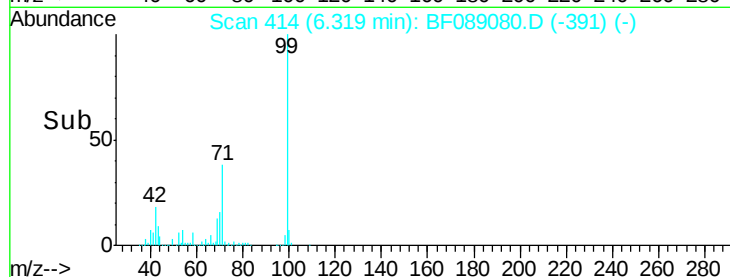
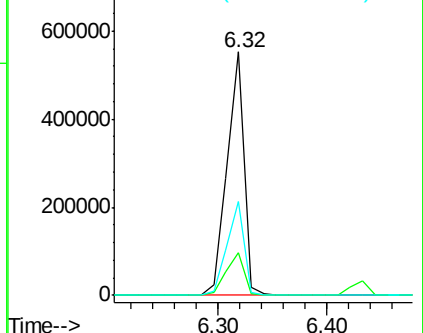
71 38.4 23.4 35.0#



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



#19

n-Nitroso-di-n-propylamine

Concen: 15.76 ng

RT: 7.22 min Scan# 493

Delta R.T. 0.08 min

Lab File: BF089080.D

Acq: 17 Jul 2016 16:12

Tgt Ion: 70 Resp: 49207

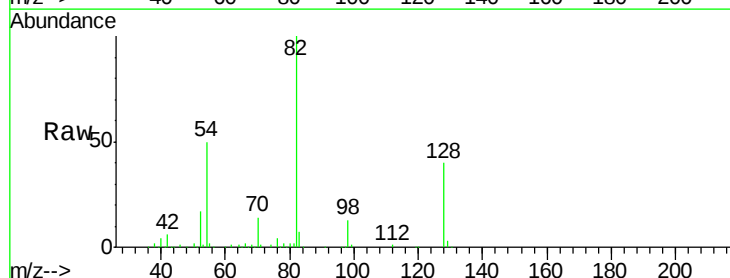
Ion Ratio Lower Upper

70 100

42 45.8 49.6 74.4#

101 0.0 7.1 10.7#

130 1.8 15.4 23.2#

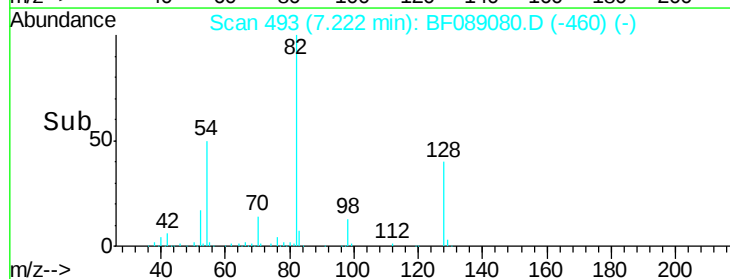
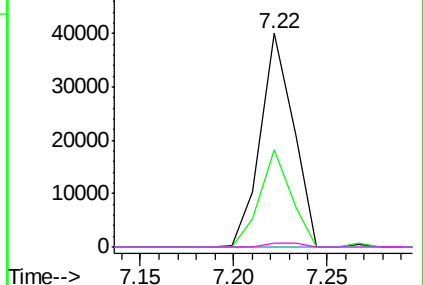


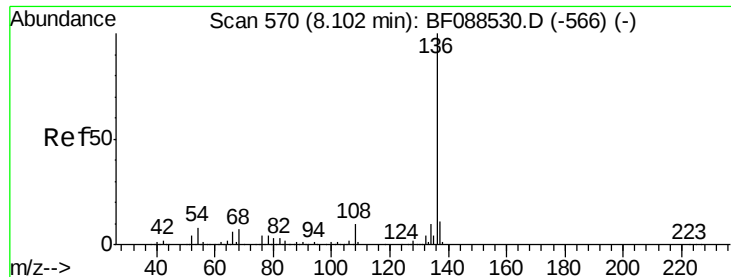
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

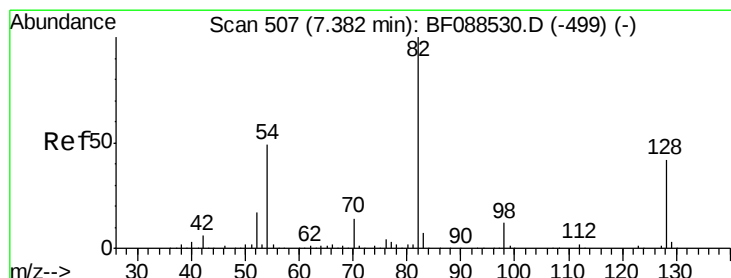
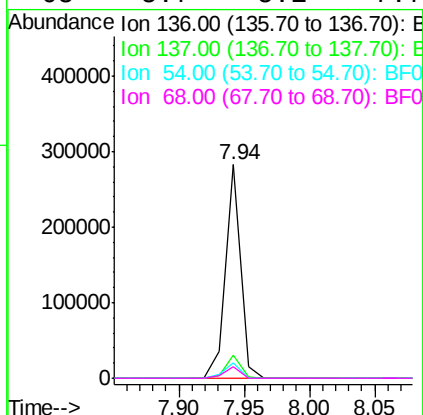
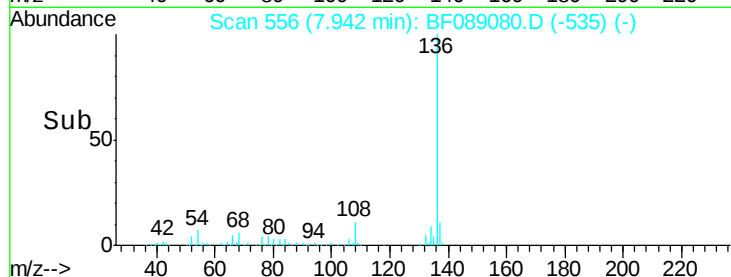
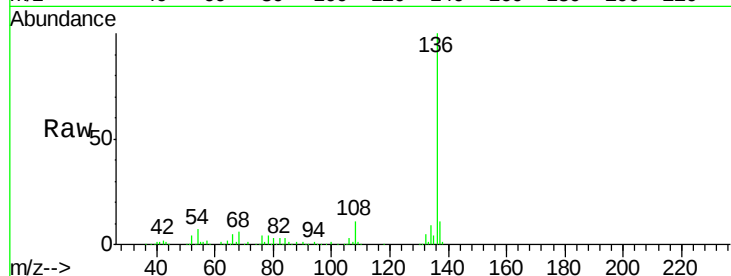




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.94 min Scan# 556
Delta R.T. -0.06 min
Lab File: BF089080.D
Acq: 17 Jul 2016 16:12

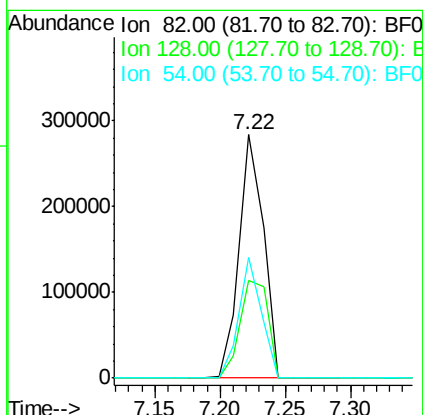
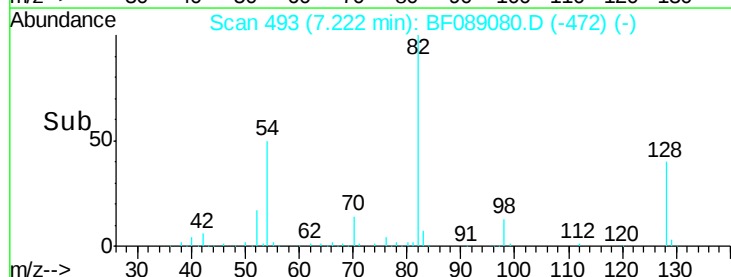
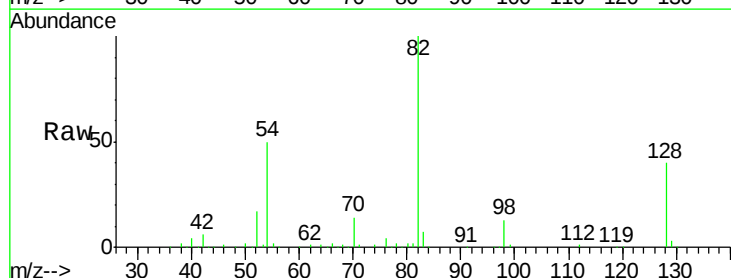
Instrument :
BNA_F
ClientSampleId :

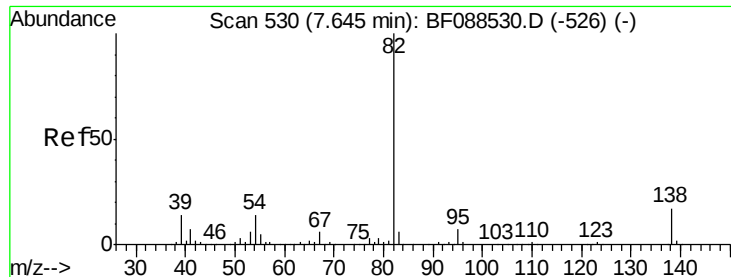
Tot Ion:136	Resp:	230265
Ion Ratio	Lower	Upper
136	100	
137	11.0	9.1 13.7
54	7.2	6.6 10.0
68	5.7	5.1 7.7



#23
Nitrobenzene-d5
Concen: 84.00 ng
RT: 7.22 min Scan# 493
Delta R.T. -0.06 min
Lab File: BF089080.D
Acq: 17 Jul 2016 16:12

Tgt Ion: 82	Resp:	369080
Ion Ratio	Lower	Upper
82	100	
128	39.9	35.9 53.9
54	49.5	40.9 61.3

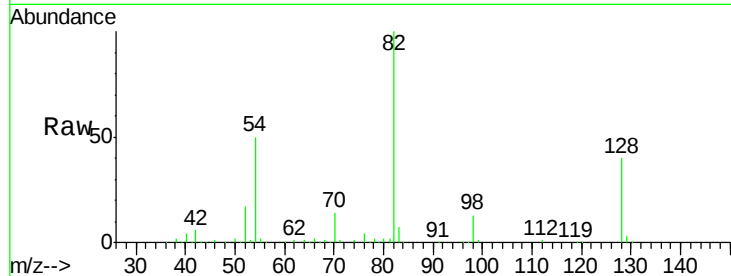




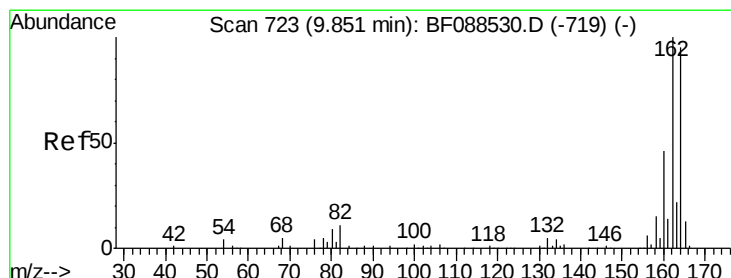
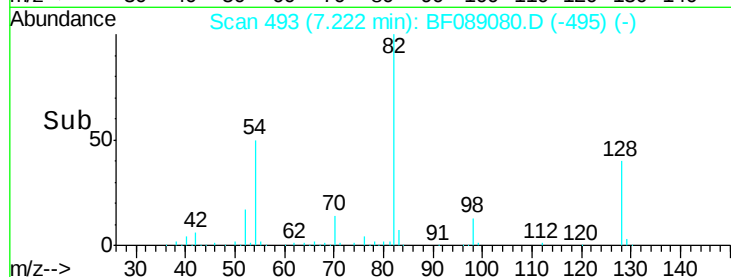
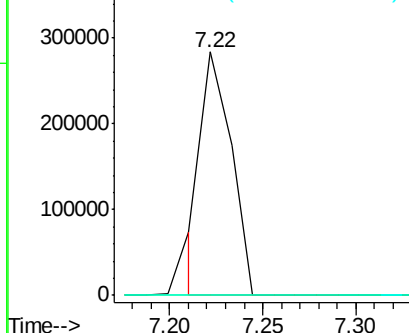
#25
Isophorone
Concen: 38.92 ng
RT: 7.22 min Scan# 493
Delta R.T. -0.32 min
Lab File: BF089080.D
Acq: 17 Jul 2016 16:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 316766
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.2#
138 0.0 14.6 21.8#

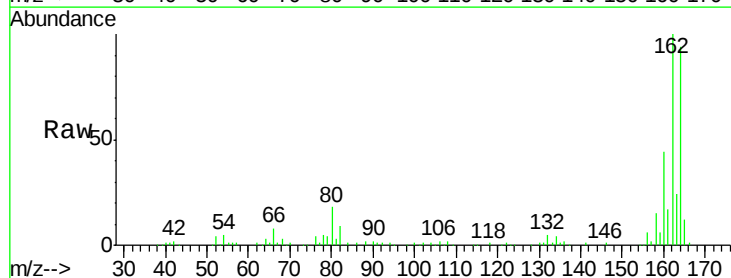


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0

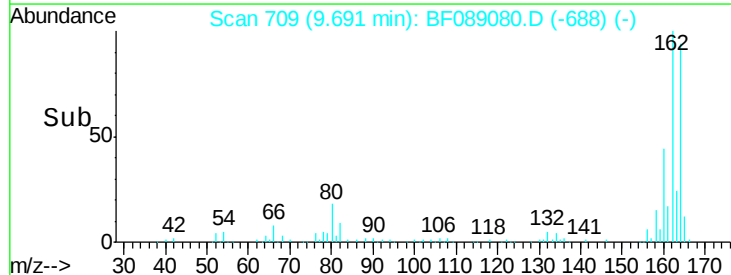
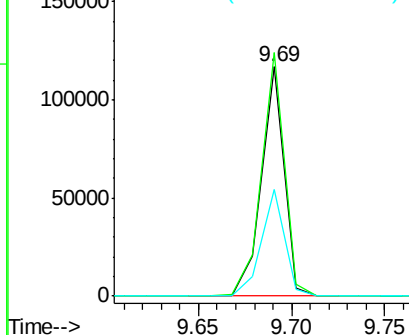


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.69 min Scan# 709
Delta R.T. -0.06 min
Lab File: BF089080.D
Acq: 17 Jul 2016 16:12

Tgt Ion: 164 Resp: 97580
Ion Ratio Lower Upper
164 100
162 106.1 85.4 128.2
160 46.3 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

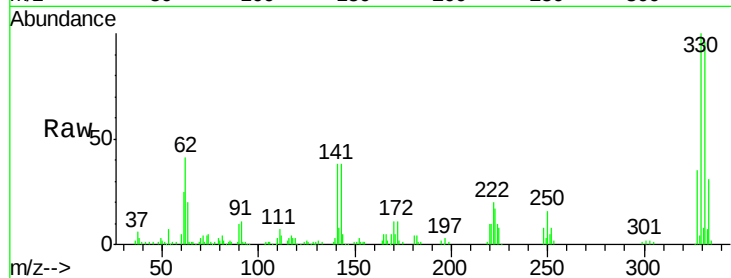




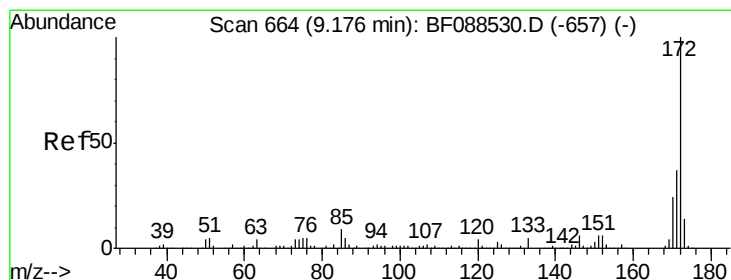
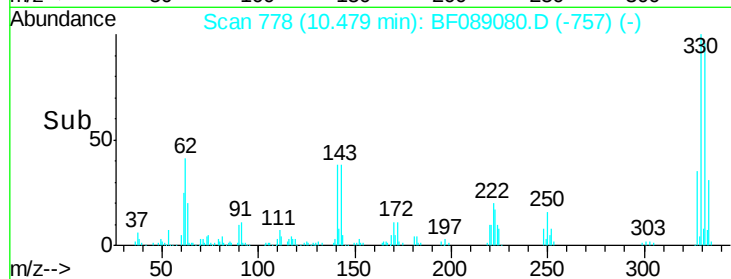
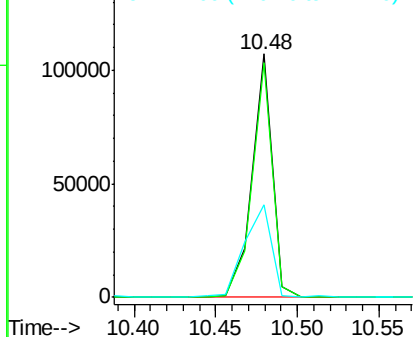
#41
 2,4,6-Tribromophenol
 Concen: 101.96 ng
 RT: 10.48 min Scan# 778
 Delta R.T. -0.06 min
 Lab File: BF089080.D
 Acq: 17 Jul 2016 16:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	0.0	0.0#
141	51.5	0.0	0.0#

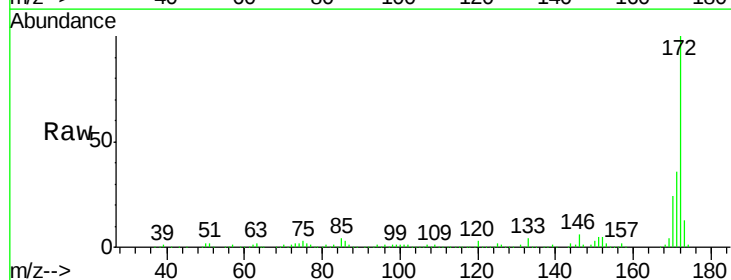


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

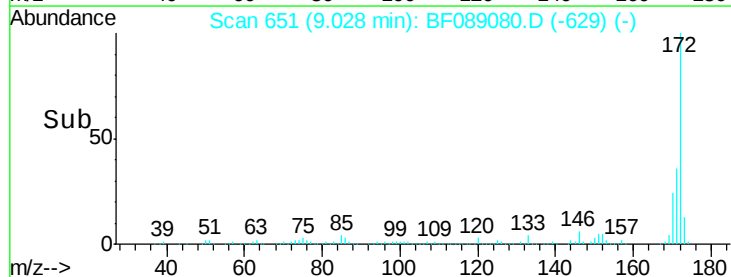
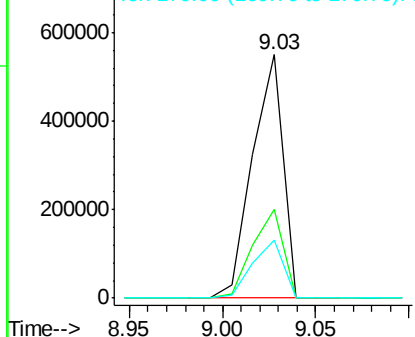


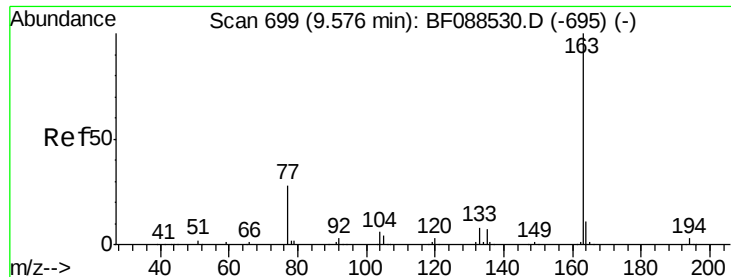
#44
 2-Fluorobiphenyl
 Concen: 100.83 ng
 RT: 9.03 min Scan# 651
 Delta R.T. -0.05 min
 Lab File: BF089080.D
 Acq: 17 Jul 2016 16:12

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	28.6	43.0
170	24.1	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

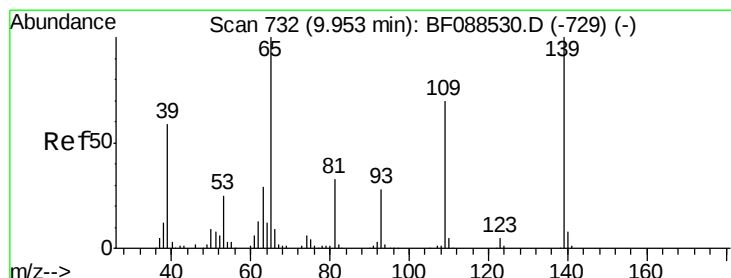
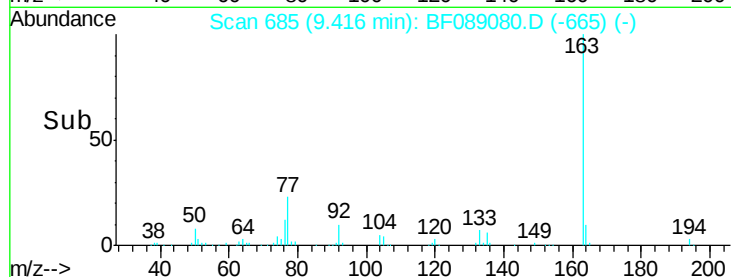
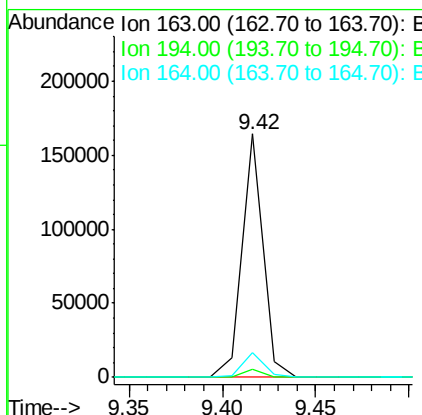
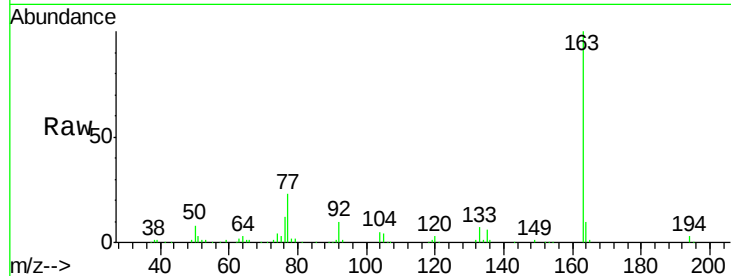




#49
Dimethylphthalate
Concen: 18.65 ng
RT: 9.42 min Scan# 685
Delta R.T. -0.07 min
Lab File: BF089080.D
Acq: 17 Jul 2016 16:12

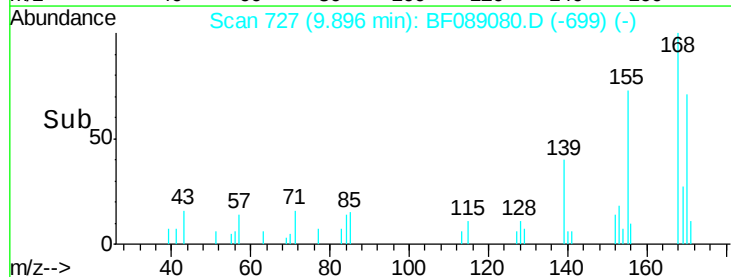
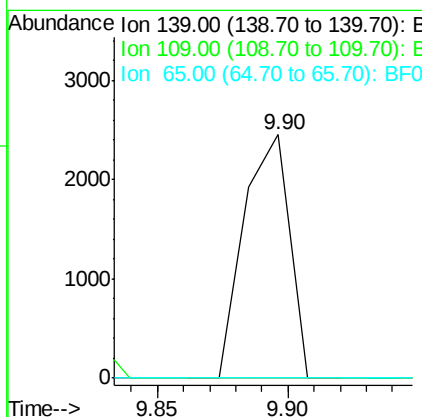
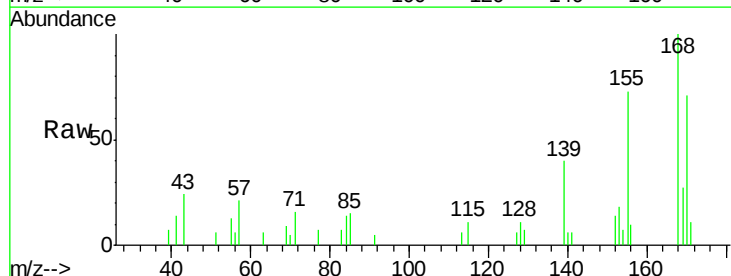
Instrument :
BNA_F
ClientSampleId :

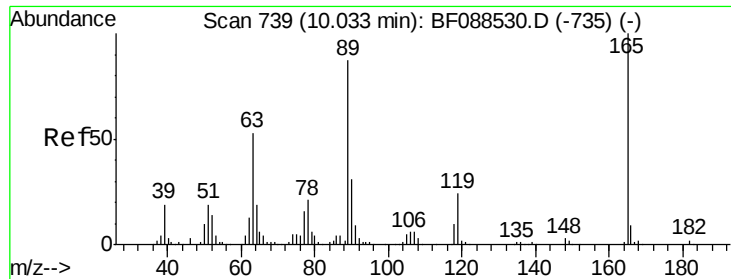
Tot Ion:163 Resp: 129642
Ion Ratio Lower Upper
163 100
194 3.4 2.8 4.2
164 10.2 8.3 12.5



#55
4-Nitrophenol
Concen: 2.02 ng
RT: 9.90 min Scan# 727
Delta R.T. 0.02 min
Lab File: BF089080.D
Acq: 17 Jul 2016 16:12

Tgt Ion:139 Resp: 3002
Ion Ratio Lower Upper
139 100
109 0.0 48.9 88.9#
65 0.0 84.9 124.9#

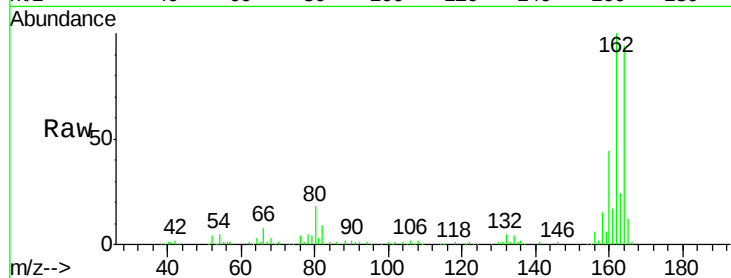




#56
2,4-Dinitrotoluene
Concen: 6.34 ng
RT: 9.69 min Scan# 709
Delta R.T. -0.25 min
Lab File: BF089080.D
Acq: 17 Jul 2016 16:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165	Resp:	12765
Ion Ratio	Lower	Upper
165	100	
63	2.1	22.0 33.0#
89	0.0	41.1 61.7#
182	0.0	2.0 3.0#

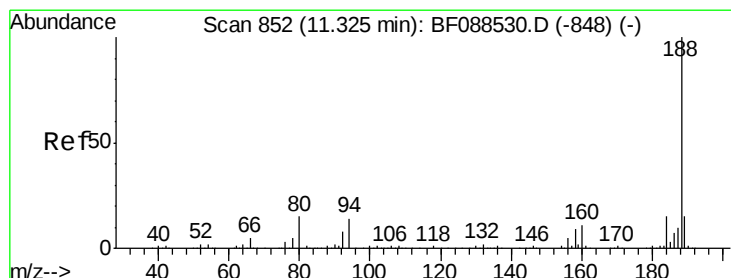
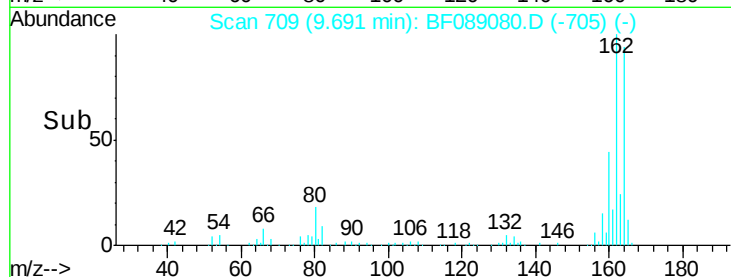
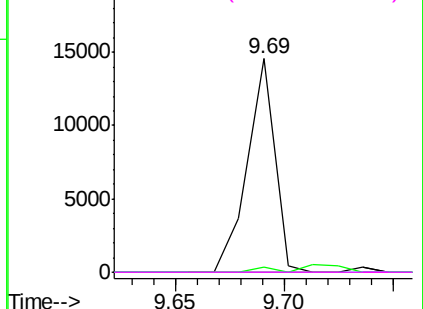


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

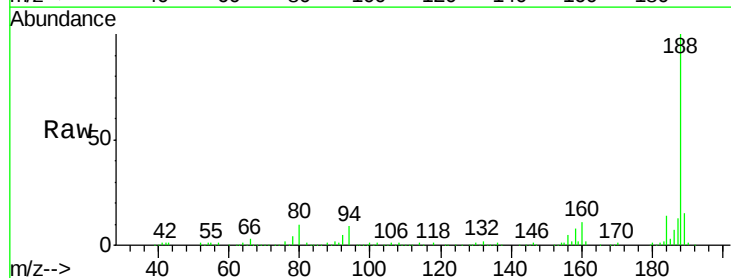
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.16 min Scan# 838
Delta R.T. -0.06 min
Lab File: BF089080.D
Acq: 17 Jul 2016 16:12

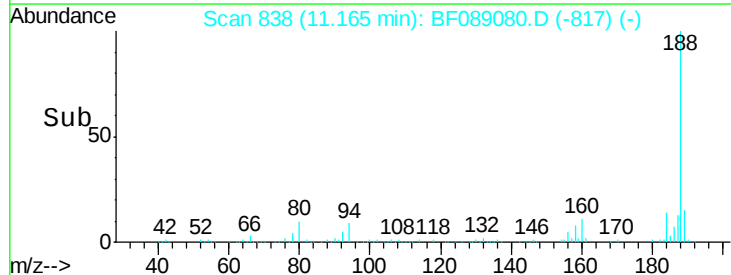
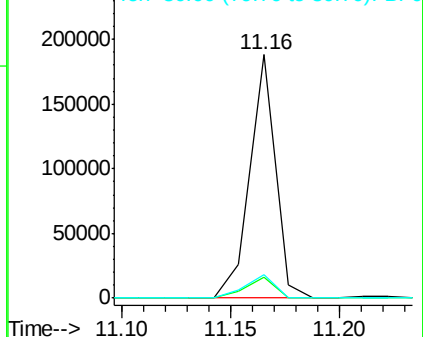
Tgt Ion:188	Resp:	153767
Ion Ratio	Lower	Upper
188	100	
94	8.8	9.0 13.6#
80	9.8	10.0 15.0#

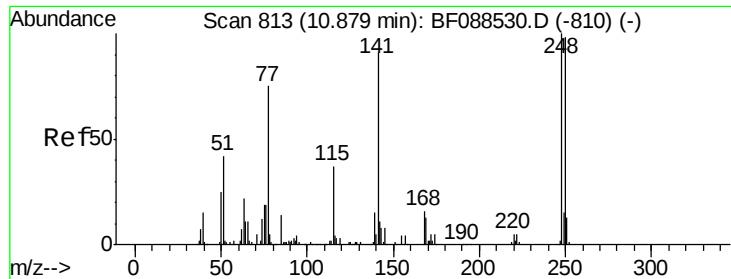


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

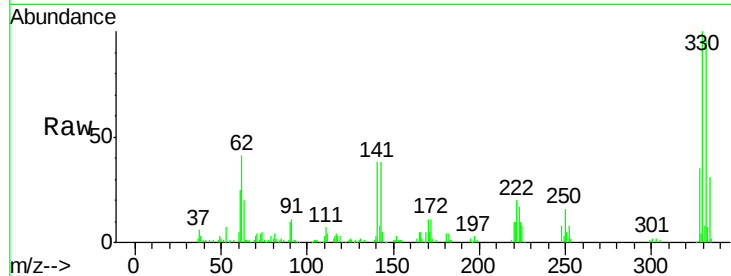




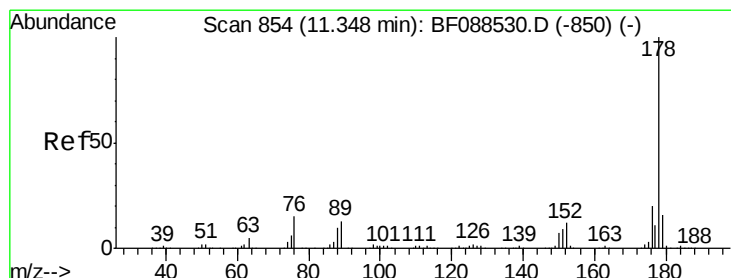
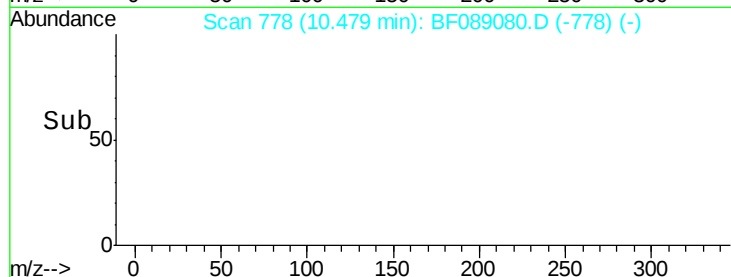
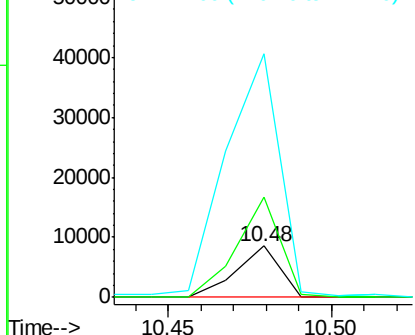
#66
4-Bromophenyl-phenylether
Concen: 4.99 ng
RT: 10.48 min Scan# 778
Delta R.T. -0.30 min
Lab File: BF089080.D
Acq: 17 Jul 2016 16:12

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 7738
Ion Ratio Lower Upper
248 100
250 195.2 77.1 115.7#
141 475.1 50.6 76.0#

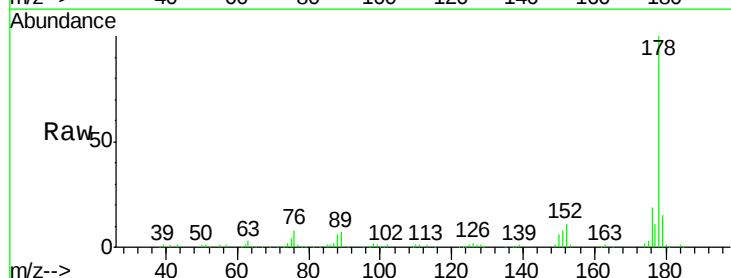


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

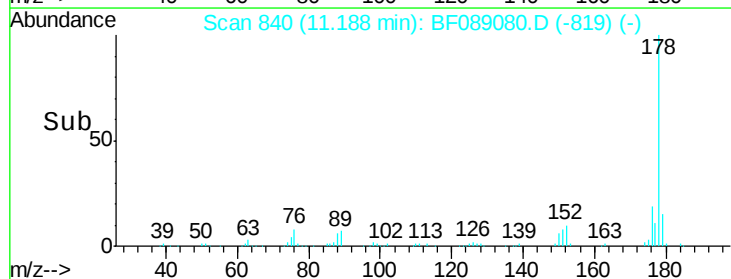
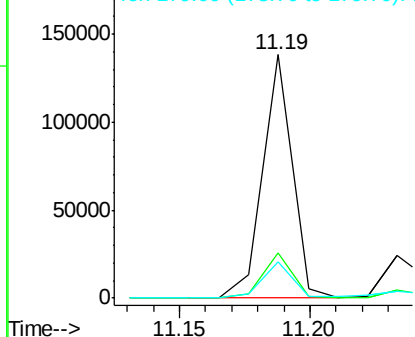


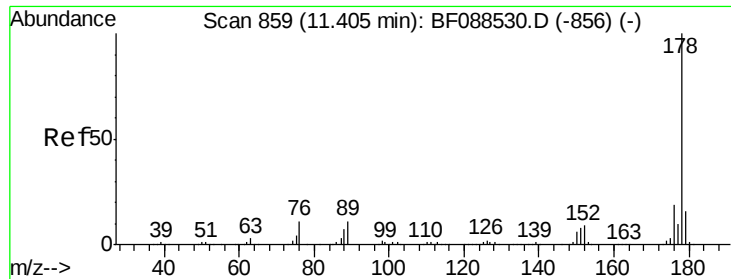
#70
Phenanthrene
Concen: 12.86 ng
RT: 11.19 min Scan# 840
Delta R.T. -0.06 min
Lab File: BF089080.D
Acq: 17 Jul 2016 16:12

Tgt Ion:178 Resp: 108113
Ion Ratio Lower Upper
178 100
176 18.7 15.8 23.6
179 15.0 13.0 19.4



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

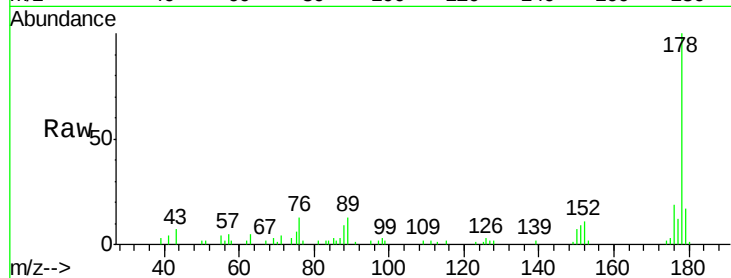




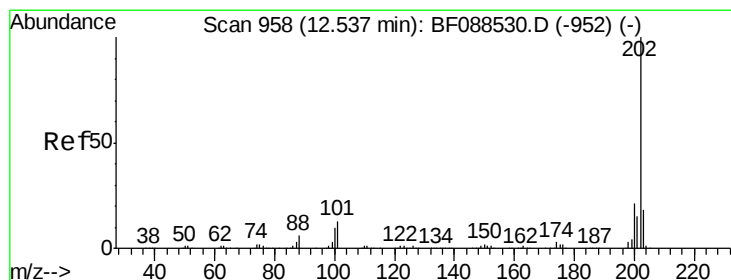
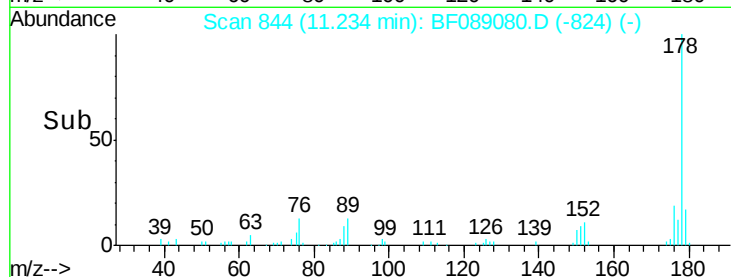
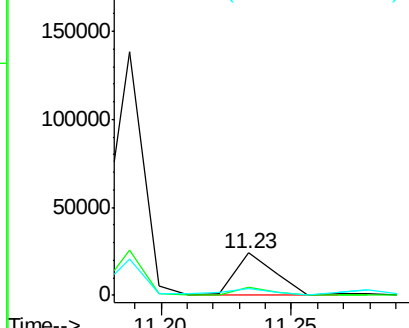
#71
 Anthracene
 Concen: 2.97 ng
 RT: 11.23 min Scan# 844
 Delta R.T. -0.07 min
 Lab File: BF089080.D
 Acq: 17 Jul 2016 16:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 24785
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.6 23.4
 179 17.3 12.8 19.2

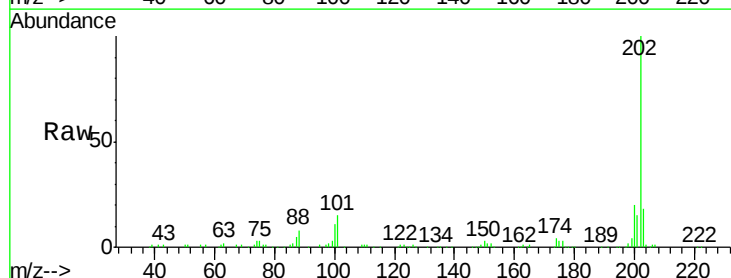


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

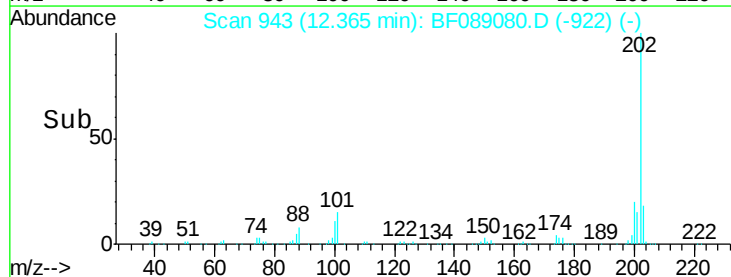
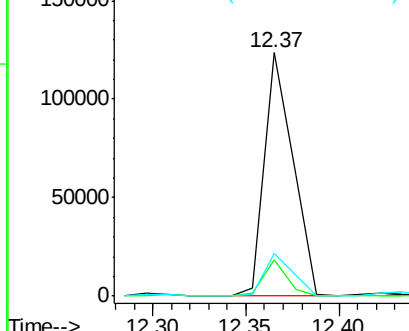


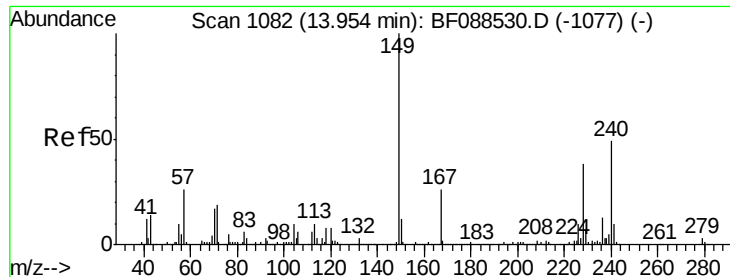
#74
 Fluoranthene
 Concen: 15.17 ng
 RT: 12.37 min Scan# 943
 Delta R.T. -0.06 min
 Lab File: BF089080.D
 Acq: 17 Jul 2016 16:12

Tgt Ion:202 Resp: 129231
 Ion Ratio Lower Upper
 202 100
 101 15.0 0.0 33.1
 203 17.6 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: 13.79 min Scan# 1068

Delta R.T. -0.06 min

Lab File: BF089080.D

Acq: 17 Jul 2016 16:12

Instrument :

BNA_F

ClientSampleId :

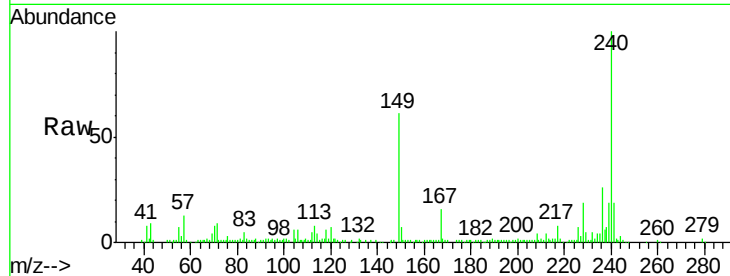
Tot Ion:240 Resp: 109241

Ion Ratio Lower Upper

240 100

120 7.1 6.8 10.2

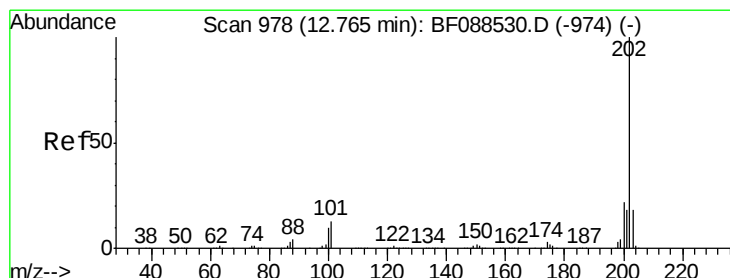
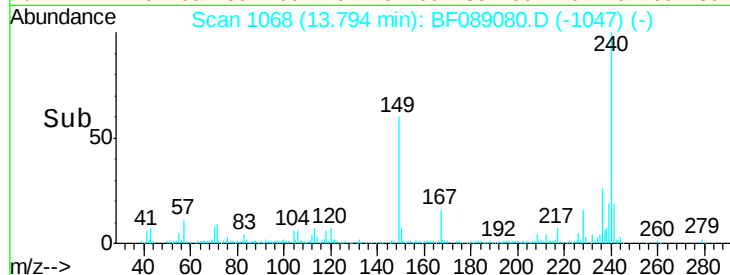
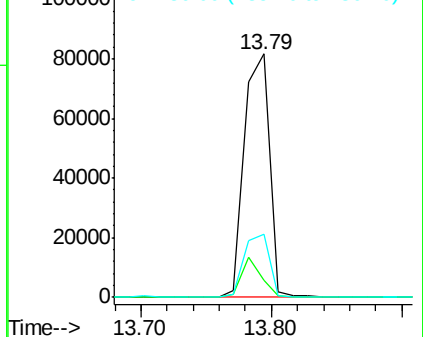
236 25.7 20.2 30.2



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: 15.08 ng

RT: 12.59 min Scan# 963

Delta R.T. -0.06 min

Lab File: BF089080.D

Acq: 17 Jul 2016 16:12

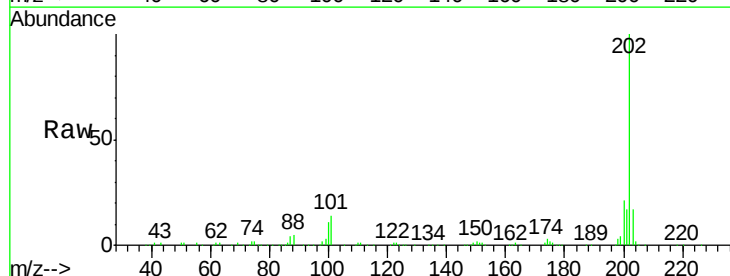
Tgt Ion:202 Resp: 139699

Ion Ratio Lower Upper

202 100

200 20.6 17.4 26.2

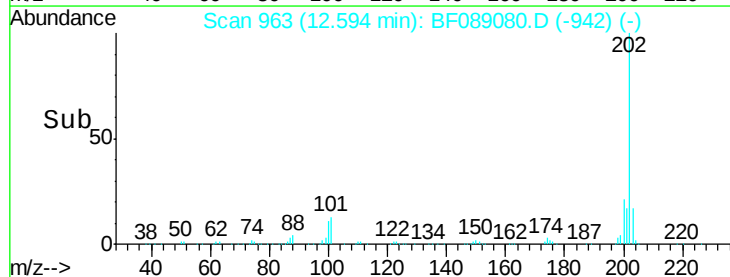
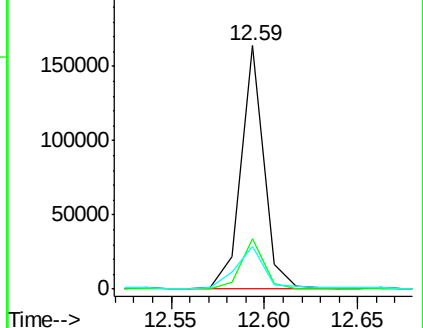
203 17.4 14.5 21.7

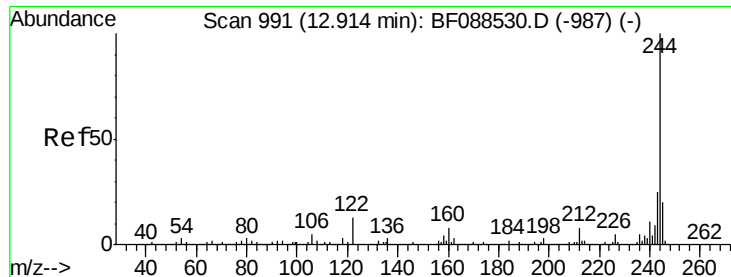


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 72.53 ng

RT: 12.75 min Scan# 977

Delta R.T. -0.05 min

Lab File: BF089080.D

Acq: 17 Jul 2016 16:12

Instrument :

BNA_F

ClientSampleId :

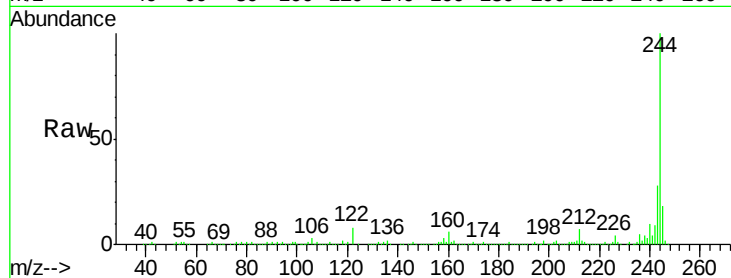
Tot Ion:244 Resp: 355717

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

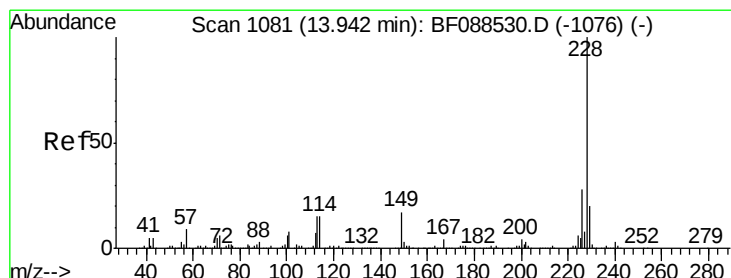
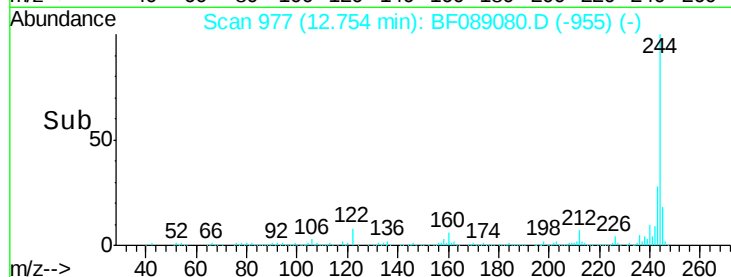
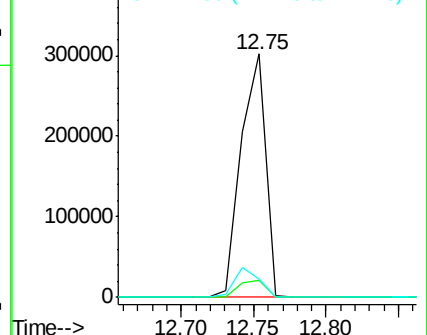
122 7.6 11.2 16.8#



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: 9.88 ng

RT: 13.78 min Scan# 1067

Delta R.T. -0.06 min

Lab File: BF089080.D

Acq: 17 Jul 2016 16:12

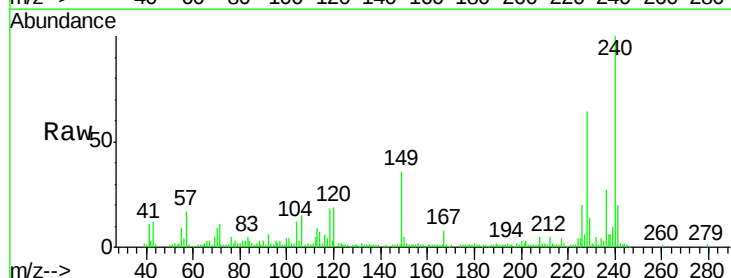
Tgt Ion:228 Resp: 69471

Ion Ratio Lower Upper

228 100

226 30.6 22.3 33.5

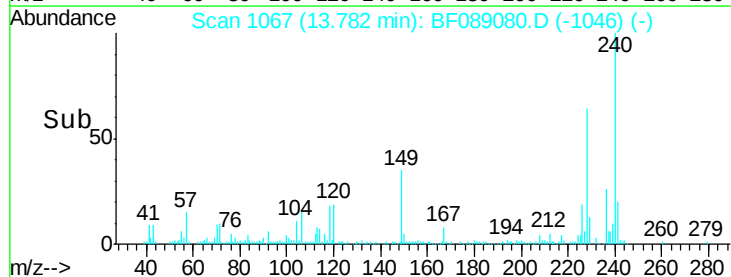
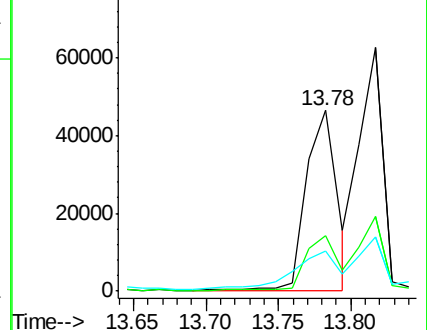
229 22.2 16.0 24.0

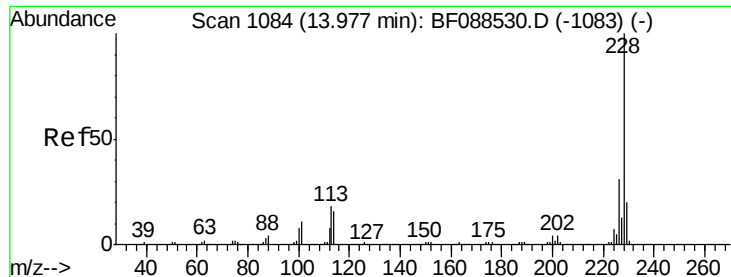


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

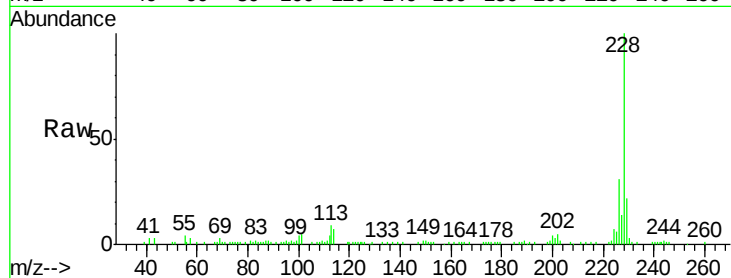




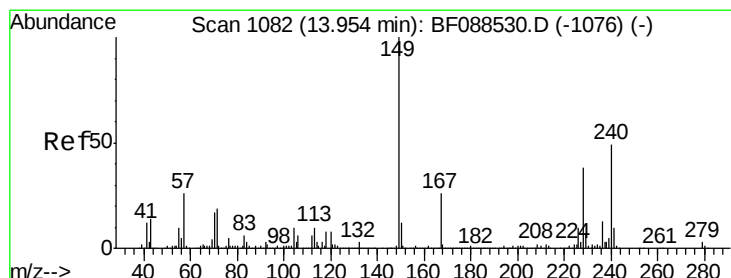
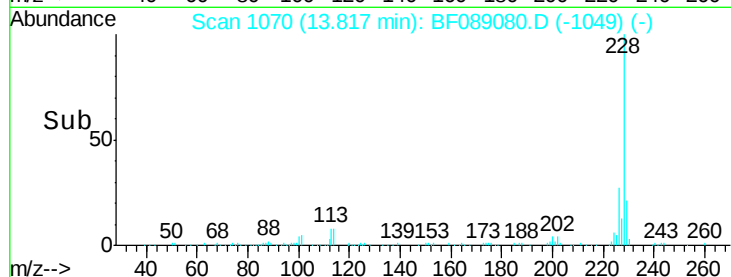
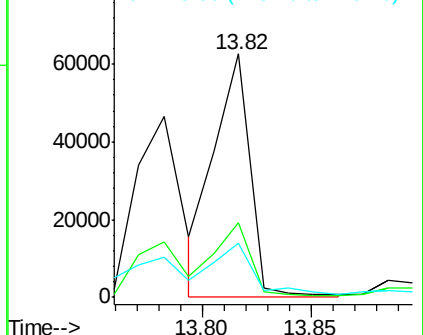
#82
Chrysene
Concen: 10.29 ng
RT: 13.82 min Scan# 1070
Delta R.T. -0.06 min
Lab File: BF089080.D
Acq: 17 Jul 2016 16:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 71614
Ion Ratio Lower Upper
228 100
226 30.7 25.4 38.2
229 22.1 16.3 24.5

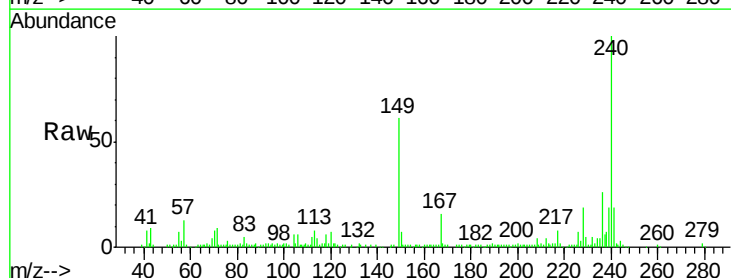


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

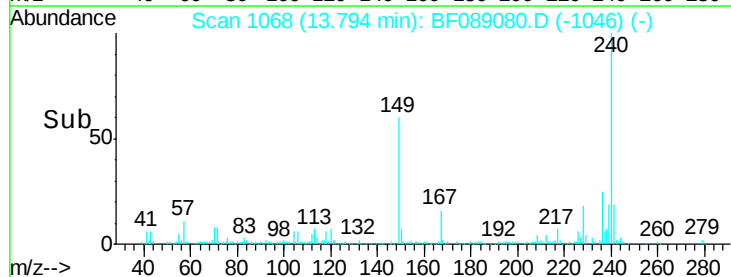
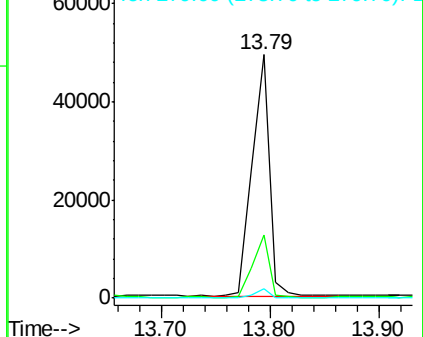


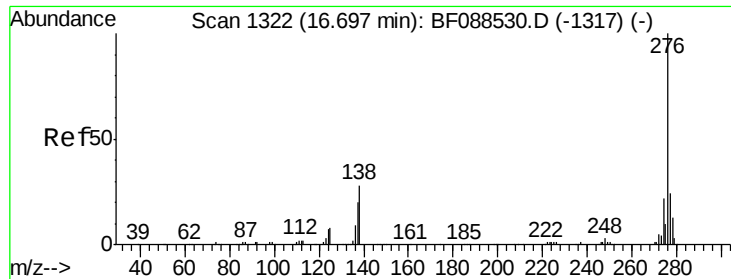
#83
Bis(2-ethylhexyl)phthalate
Concen: 11.61 ng
RT: 13.79 min Scan# 1068
Delta R.T. -0.05 min
Lab File: BF089080.D
Acq: 17 Jul 2016 16:12

Tgt Ion:149 Resp: 54782
Ion Ratio Lower Upper
149 100
167 25.7 20.5 30.7
279 3.8 2.0 3.0#



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E

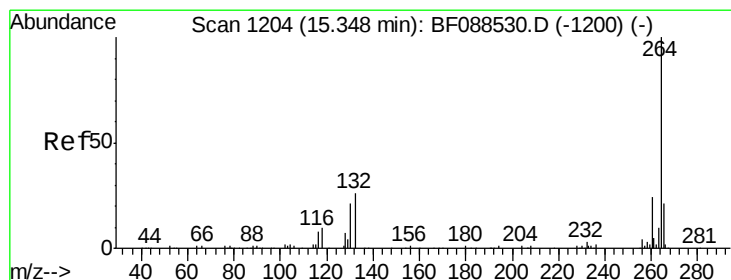
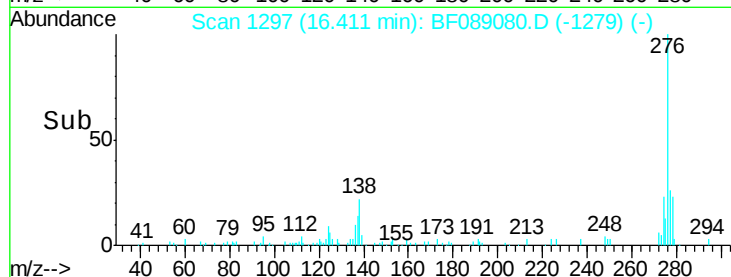
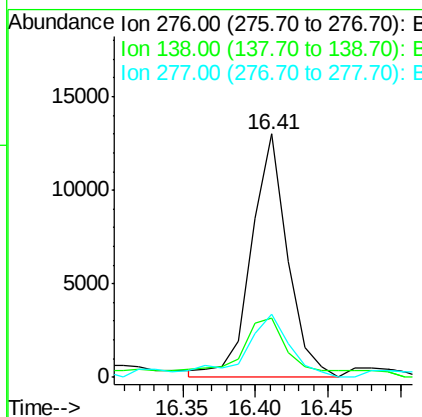
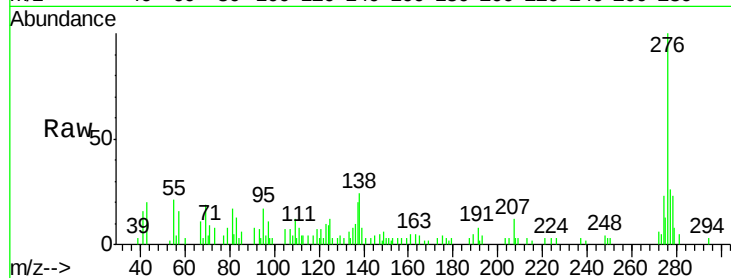




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.21 ng
 RT: 16.41 min Scan# 1297
 Delta R.T. -0.09 min
 Lab File: BF089080.D
 Acq: 17 Jul 2016 16:12

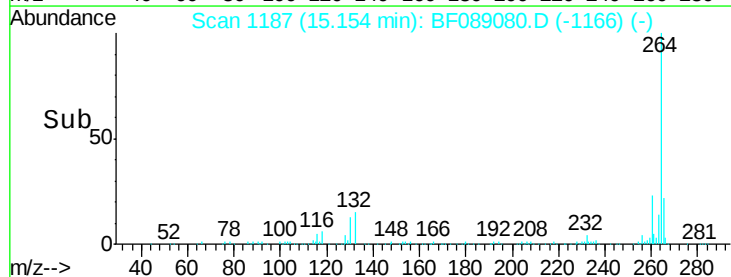
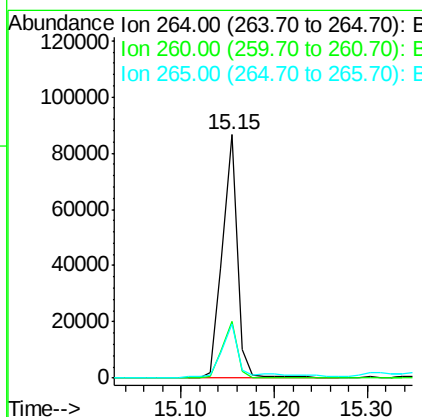
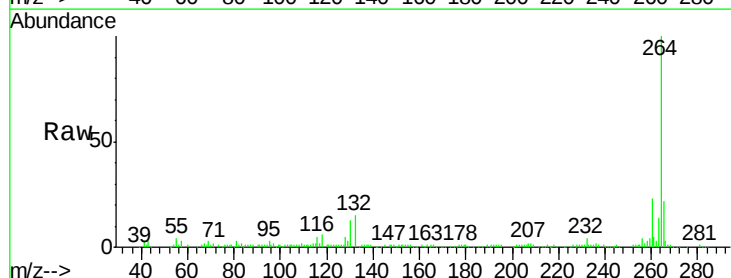
Instrument :
 BNA_F
 ClientSampleId :

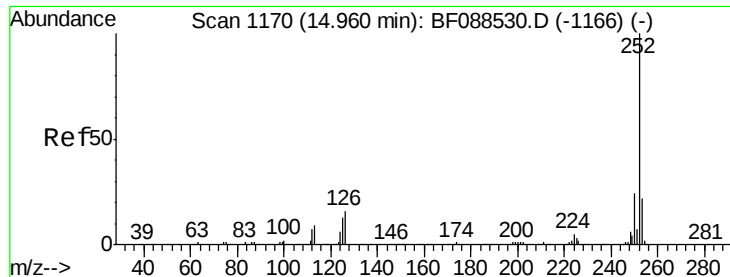
Tot Ion	Ratio	Lower	Upper
276	100		
138	37.0	0.0	0.0#
277	32.5	0.0	0.0#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.15 min Scan# 1187
 Delta R.T. -0.06 min
 Lab File: BF089080.D
 Acq: 17 Jul 2016 16:12

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	22.3	16.9	25.3





#87

Benzo(b)fluoranthene

Concen: 16.82 ng

RT: 14.78 min Scan# 1154

Delta R.T. -0.06 min

Lab File: BF089080.D

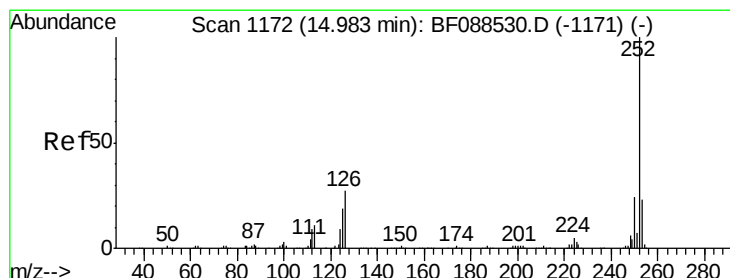
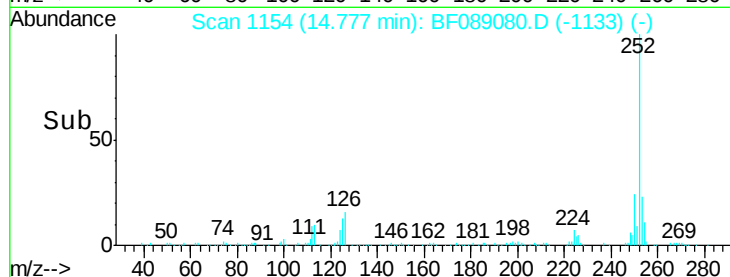
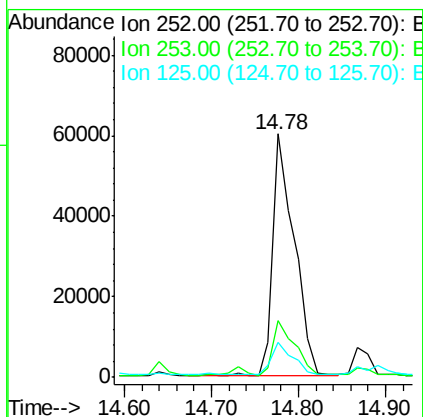
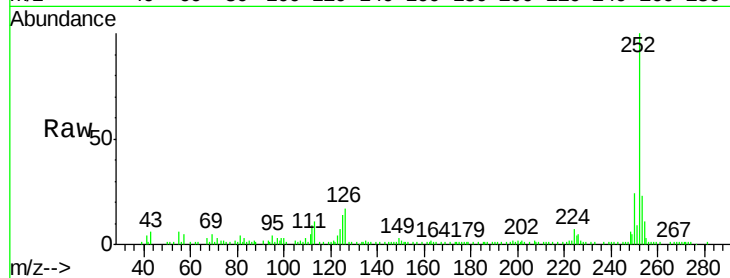
Acq: 17 Jul 2016 16:12

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252	Resp:	102762
Ion Ratio	Lower	Upper
252	100	
253	23.4	17.4 26.2
125	14.4	7.1 10.7#



#88

Benzo(k)fluoranthene

Concen: 19.32 ng

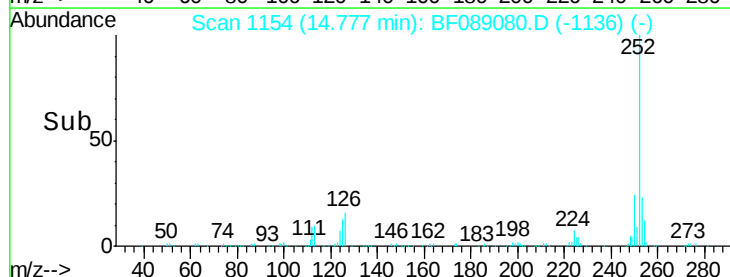
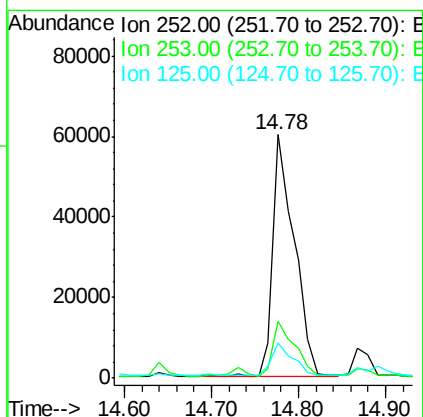
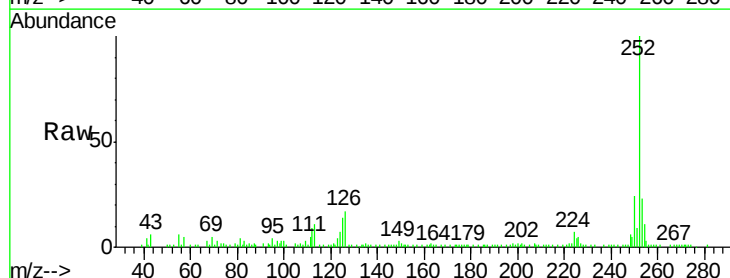
RT: 14.78 min Scan# 1154

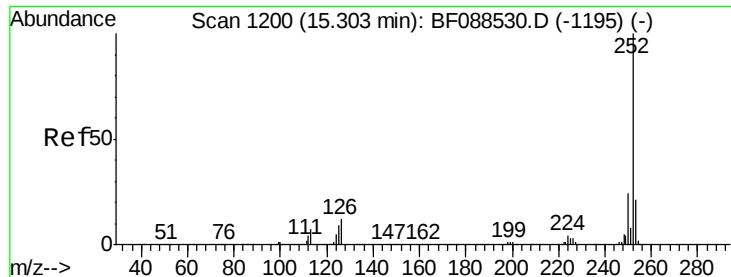
Delta R.T. -0.09 min

Lab File: BF089080.D

Acq: 17 Jul 2016 16:12

Tgt Ion:252	Resp:	102762
Ion Ratio	Lower	Upper
252	100	
253	23.4	18.0 27.0
125	14.4	11.2 16.8

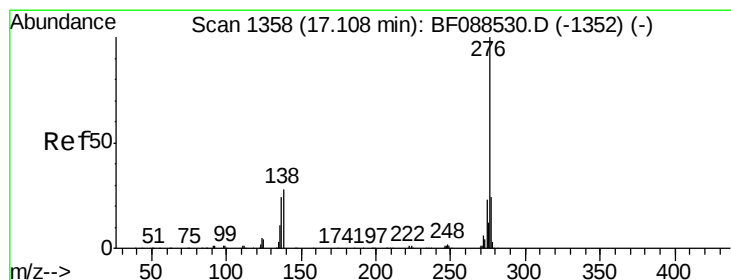
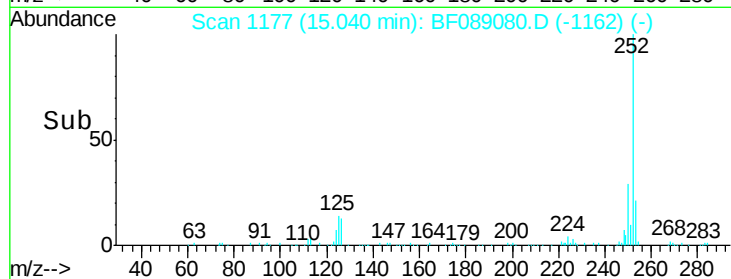
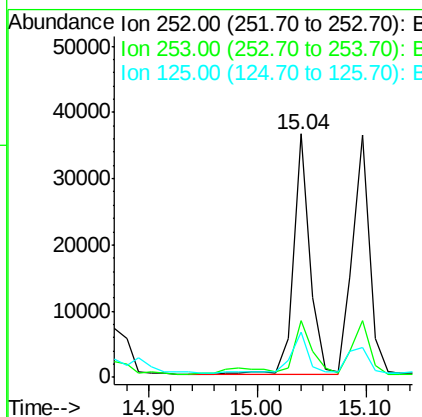
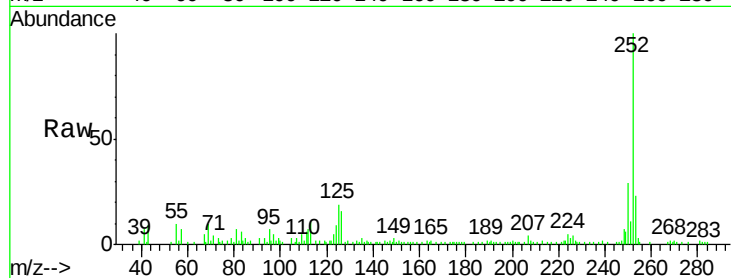




#89
Benzo(a)pyrene
Concen: 7.52 ng
RT: 15.04 min Scan# 1177
Delta R.T. -0.13 min
Lab File: BF089080.D
Acq: 17 Jul 2016 16:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.9	26.9
125	18.7	12.5	18.7



#91
Benzo(g,h,i)perylene
Concen: 4.74 ng
RT: 16.79 min Scan# 1330
Delta R.T. -0.10 min
Lab File: BF089080.D
Acq: 17 Jul 2016 16:12

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.0	18.9	28.3
138	26.5	21.4	32.2

