

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041817\
 Data File : BF094499.D
 Acq On : 18 Apr 2017 21:10
 Operator : SJ/MA
 Sample : I2708-07
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 19 01:16:20 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 17 14:59:23 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.77	152	122118	20.00	ng	0.00
21) Naphthalene-d8	7.27	136	515090	20.00	ng	0.00
38) Acenaphthene-d10	9.40	164	189241	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	375678	20.00	ng	0.00
75) Chrysene-d12	14.47	240	267108	20.00	ng	0.00
86) Perylene-d12	16.09	264	247653	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	4.33	112	1005978	136.67	ng	0.03
7) Phenol-d6	5.40	99	1352471	155.86	ng	0.00
23) Nitrobenzene-d5	6.42	82	810725	97.19	ng	0.00
41) 2,4,6-Tribromophenol	10.38	330	245899	166.12	ng	0.00
44) 2-Fluorobiphenyl	8.59	172	1232529	95.83	ng	0.00
78) Terphenyl-d14	13.20	244	893475	89.41	ng	0.00

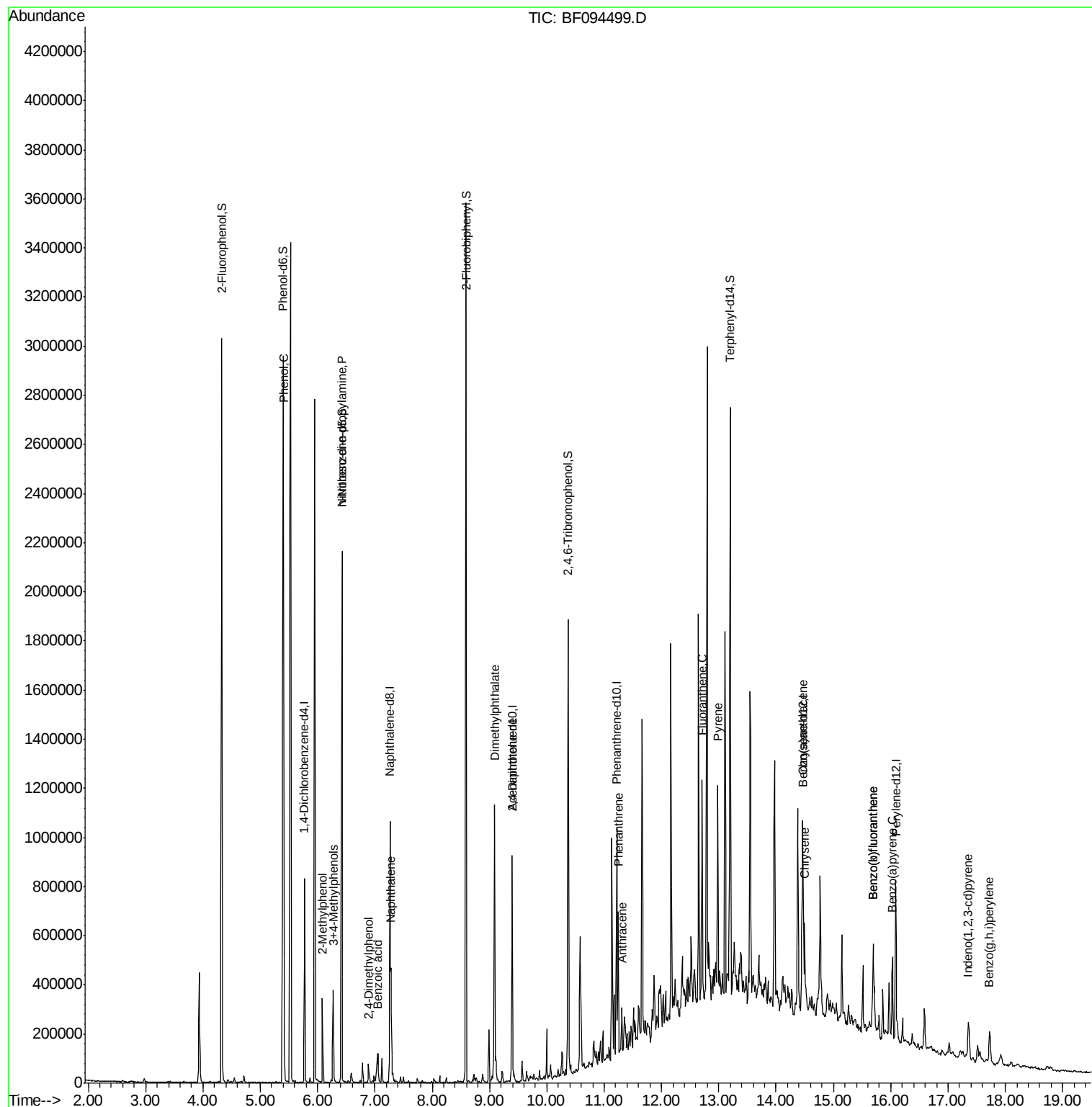
Target Compounds						Qvalue
10) Phenol	5.41	94	67920	6.37	ng	90
17) 2-Methylphenol	6.09	107	66530	10.09	ng	93
19) n-Nitroso-di-n-propylamine	6.42	70	107381	18.68	ng	# 77
20) 3+4-Methylphenols	6.27	107	115530	12.89	ng	# 62
27) 2,4-Dimethylphenol	6.89	122	21840	2.85	ng	92
31) Naphthalene	7.28	128	182700	7.38	ng	# 84
32) Benzoic acid	7.05	122	41673	10.28	ng	# 11
49) Dimethylphthalate	9.09	163	500141	35.46	ng	99
56) 2,4-Dinitrotoluene	9.40	165	25536	6.57	ng	# 34
70) Phenanthrene	11.24	178	223842	10.58	ng	98
71) Anthracene	11.31	178	47399	2.17	ng	96
74) Fluoranthene	12.71	202	375591	17.13	ng	99
77) Pvrene	12.98	202	345202	18.50	ng	97
80) Benzo(a)anthracene	14.45	228	145405	9.37	ng	96
82) Chrysene	14.49	228	141393	9.97	ng	97
85) Indeno(1,2,3-cd)pyrene	17.35	276	90666	6.72	ng	# 91
87) Benzo(b)fluoranthene	15.69	252	241789	15.96	ng	# 98
88) Benzo(k)fluoranthene	15.69	252	241789	16.87	ng	98
89) Benzo(a)pvrene	16.03	252	133544	9.48	ng	98
91) Benzo(a,h,i)perylene	17.72	276	88464	7.42	ng	98

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

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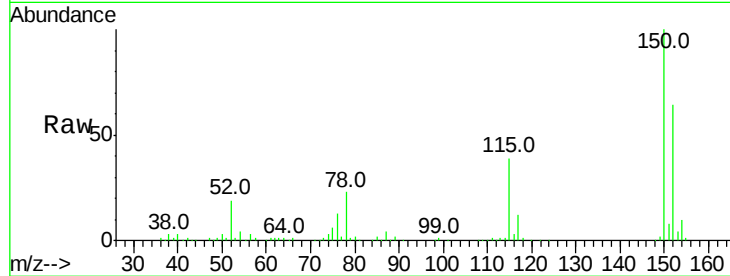


#1

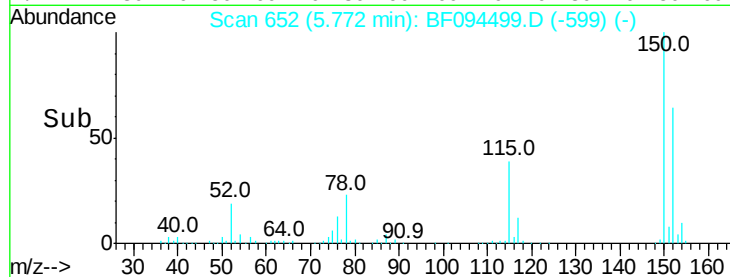
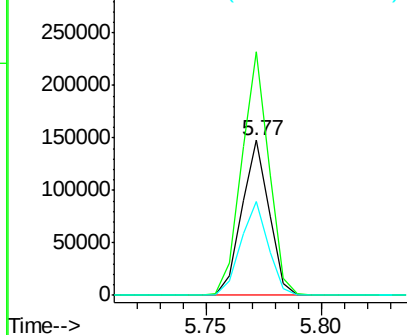
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.77 min Scan# 652
Delta R.T. 0.01 min
Lab File: BF094499.D
Acq: 18 Apr 2017 21:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 122118
Ion Ratio Lower Upper
152 100
150 157.0 126.2 189.2
115 60.8 52.2 78.2



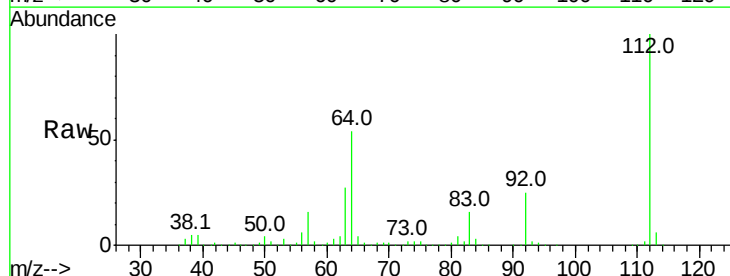
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



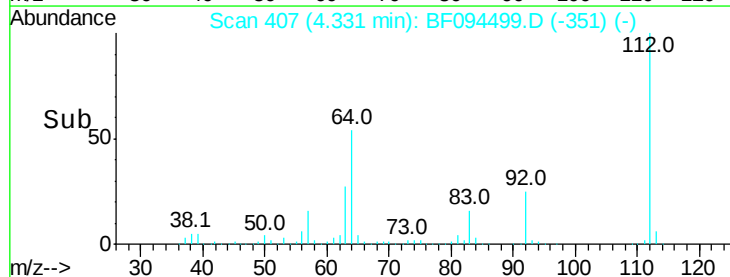
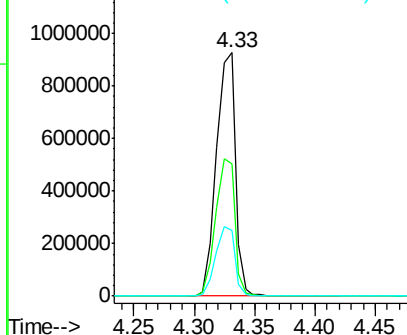
#5

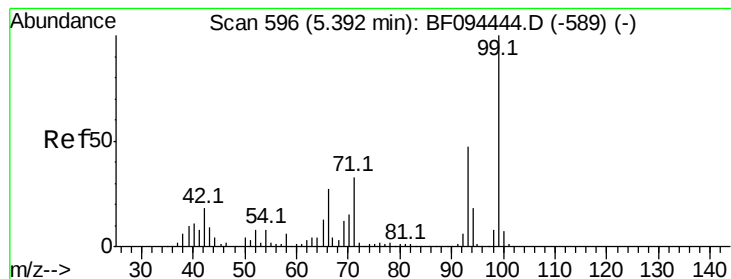
2-Fluorophenol
Concen: 136.67 ng
RT: 4.33 min Scan# 407
Delta R.T. 0.03 min
Lab File: BF094499.D
Acq: 18 Apr 2017 21:10

Tgt Ion:112 Resp: 1005978
Ion Ratio Lower Upper
112 100
64 54.2 46.0 69.0
63 26.9 23.4 35.0



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: 155.86 ng

RT: 5.40 min Scan# 589

Delta R.T. 0.01 min

Lab File: BF094499.D

Acq: 18 Apr 2017 21:10

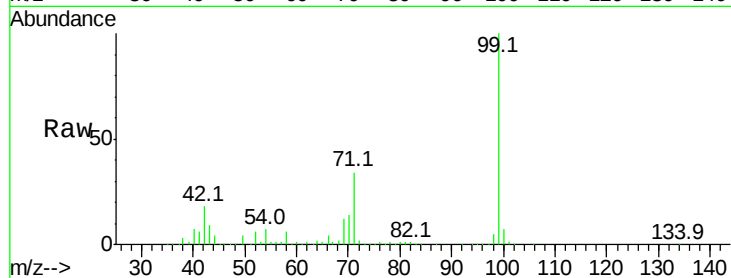
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 1352471

Ion	Ratio	Lower	Upper
99	100		
42	17.7	13.5	20.3
71	33.9	24.5	36.7

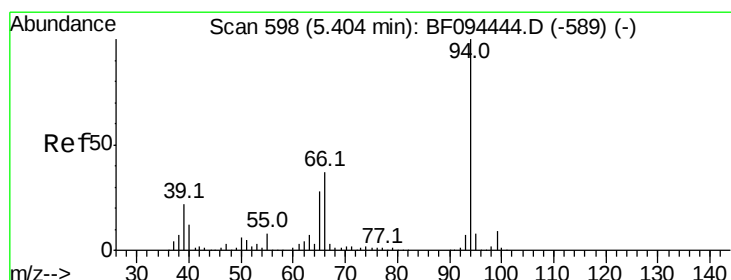
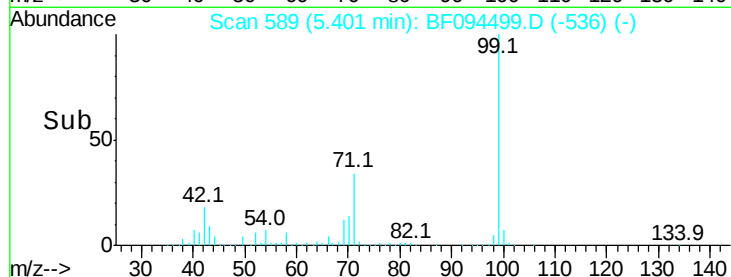
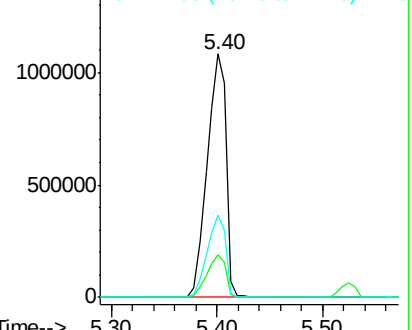


Abundance

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



#10

Phenol

Concen: 6.37 ng

RT: 5.41 min Scan# 591

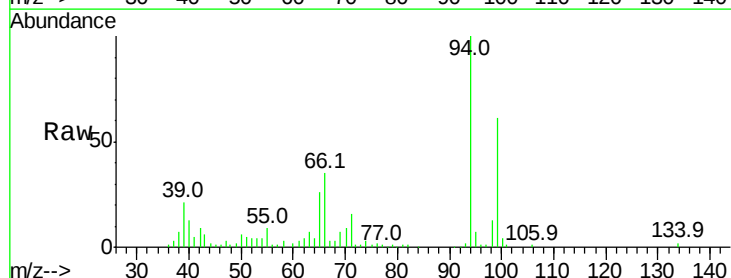
Delta R.T. 0.01 min

Lab File: BF094499.D

Acq: 18 Apr 2017 21:10

Tgt Ion: 94 Resp: 67920

Ion	Ratio	Lower	Upper
94	100		
65	26.1	9.9	49.9
66	35.2	23.1	63.1

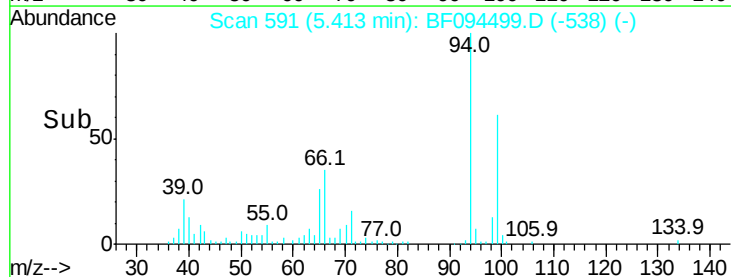
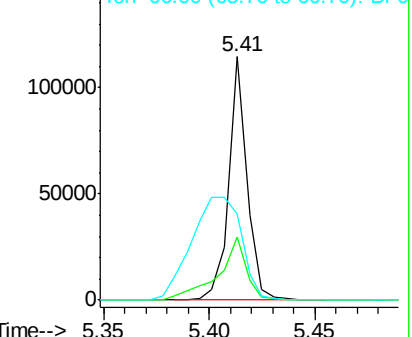


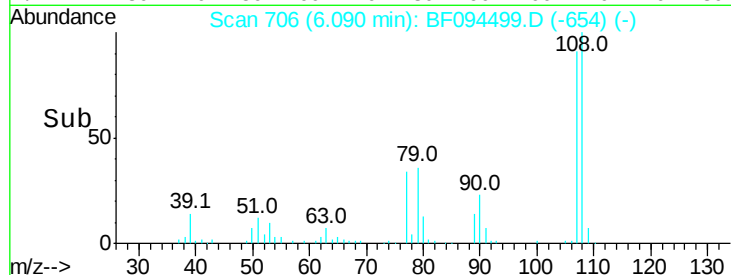
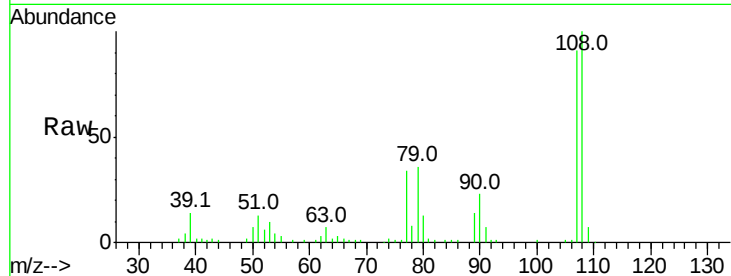
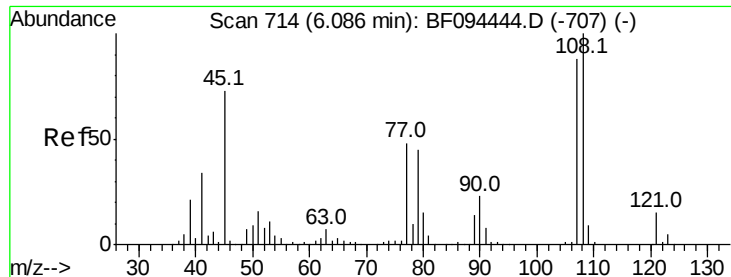
Abundance

Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

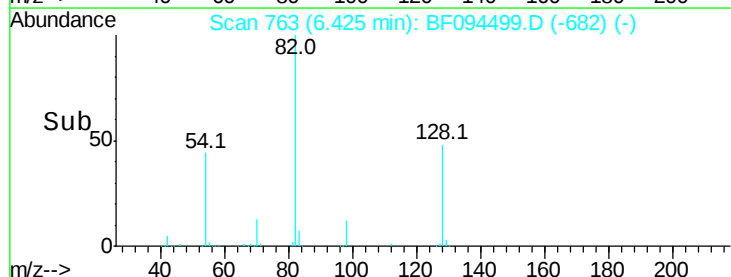
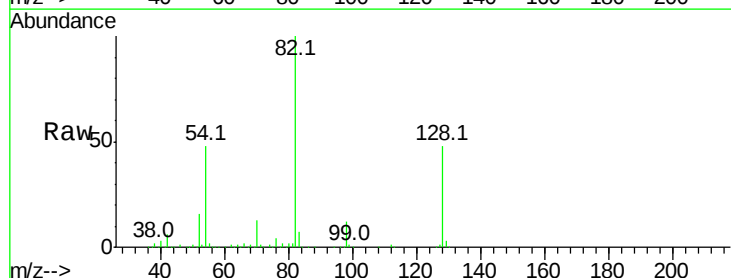
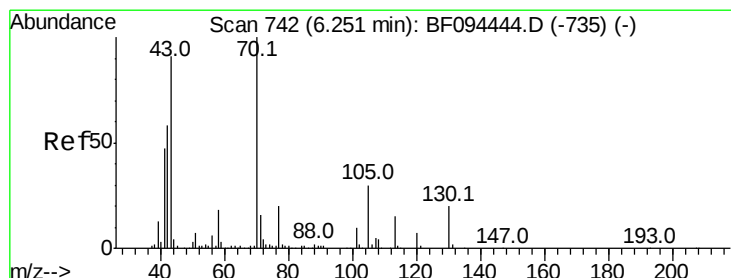
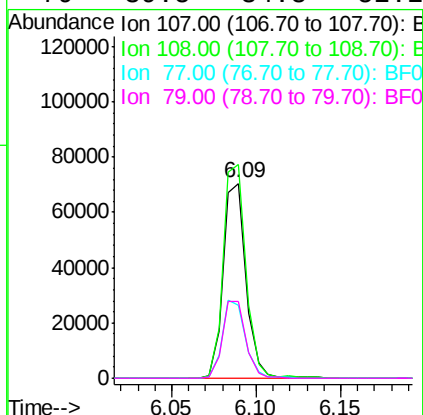




#17
2-Methylphenol
Concen: 10.09 ng
RT: 6.09 min Scan# 706
Delta R.T. 0.00 min
Lab File: BF094499.D
Acq: 18 Apr 2017 21:10

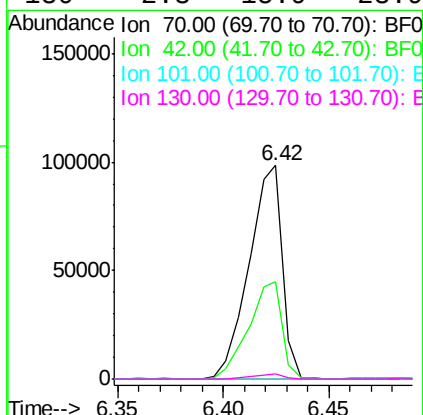
Instrument :
BNA_F
ClientSampleId :

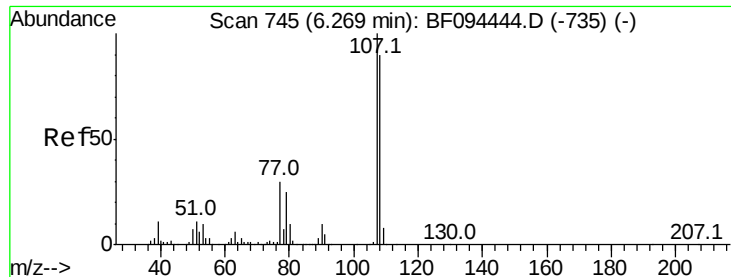
Tot Ion:107 Resp: 66530
Ion Ratio Lower Upper
107 100
108 109.5 93.4 140.0
77 37.6 35.8 53.6
79 39.5 34.8 52.2



#19
n-Nitroso-di-n-propylamine
Concen: 18.68 ng
RT: 6.42 min Scan# 763
Delta R.T. 0.17 min
Lab File: BF094499.D
Acq: 18 Apr 2017 21:10

Tgt Ion: 70 Resp: 107381
Ion Ratio Lower Upper
70 100
42 45.6 47.2 70.8#
101 0.0 7.2 10.8#
130 2.3 15.9 23.9#





#20

3+4-Methylphenols

Concen: 12.89 ng

RT: 6.27 min Scan# 737

Delta R.T. 0.00 min

Lab File: BF094499.D

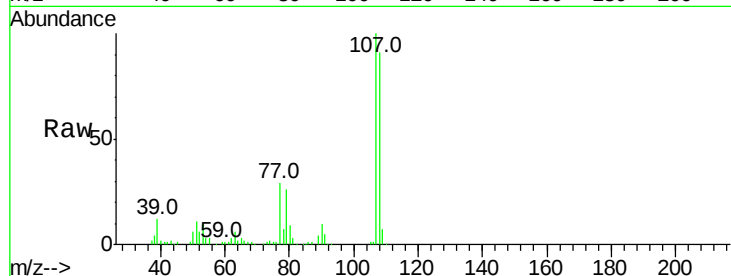
Acq: 18 Apr 2017 21:10

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	107	Resp:	115530
Ion	Ratio	Lower	Upper
107	100		
108	90.6	71.0	111.0
77	29.1	90.5	130.5#
79	26.4	8.4	48.4

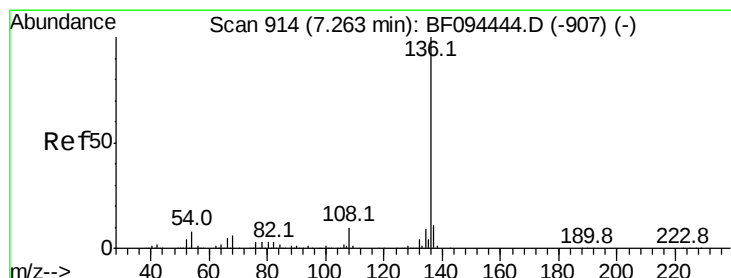
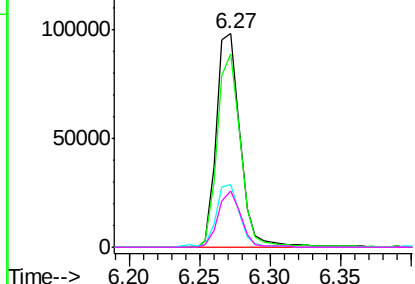
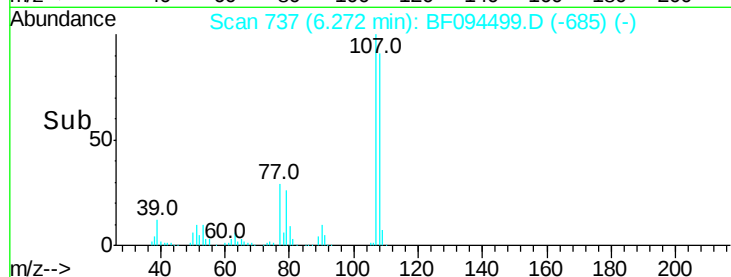


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

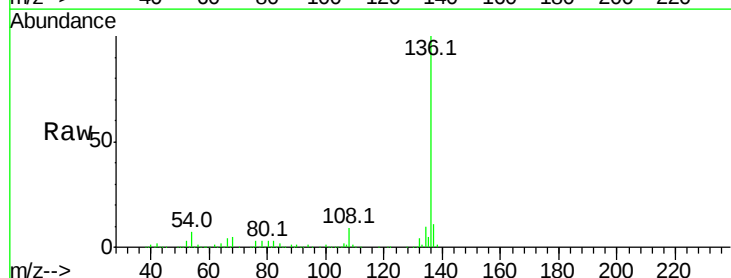
RT: 7.27 min Scan# 906

Delta R.T. 0.00 min

Lab File: BF094499.D

Acq: 18 Apr 2017 21:10

Tgt Ion:	136	Resp:	515090
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.5	12.7
54	6.6	4.9	7.3
68	5.5	4.1	6.1

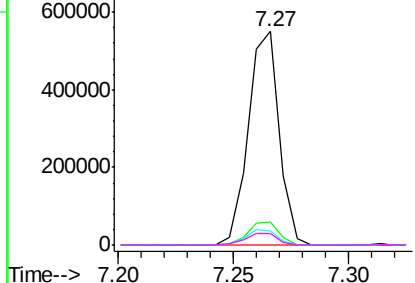
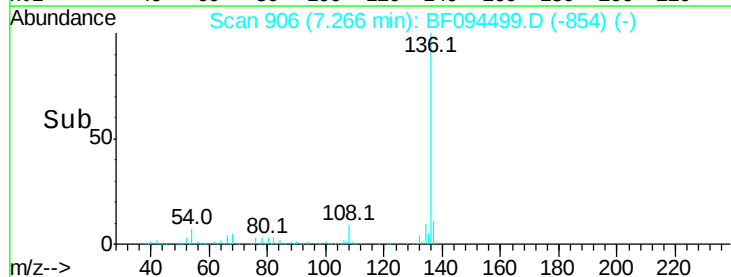


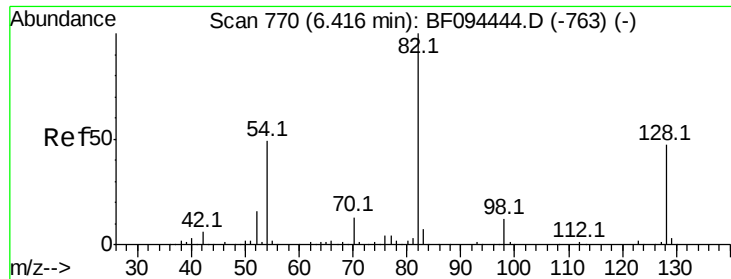
Abundance Ion 136.00 (135.70 to 136.70): E

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

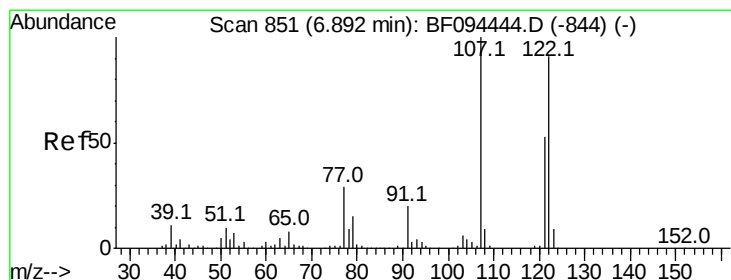
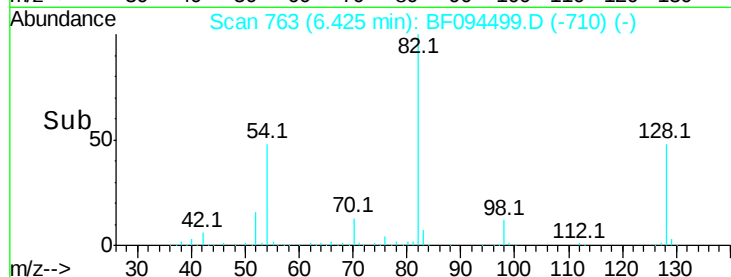
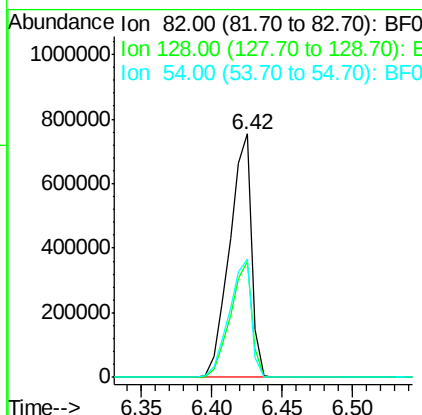
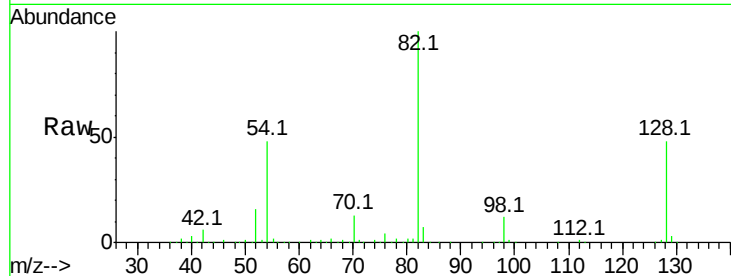




#23
 Nitrobenzene-d5
 Concen: 97.19 ng
 RT: 6.42 min Scan# 763
 Delta R.T. 0.01 min
 Lab File: BF094499.D
 Acq: 18 Apr 2017 21:10

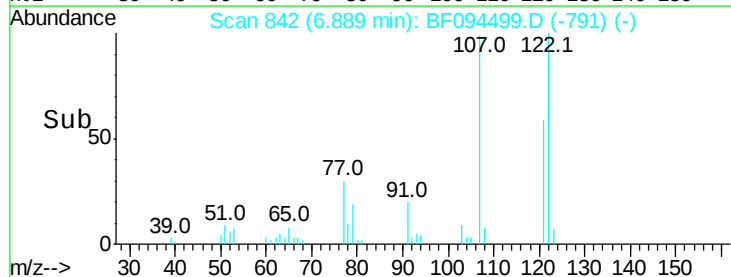
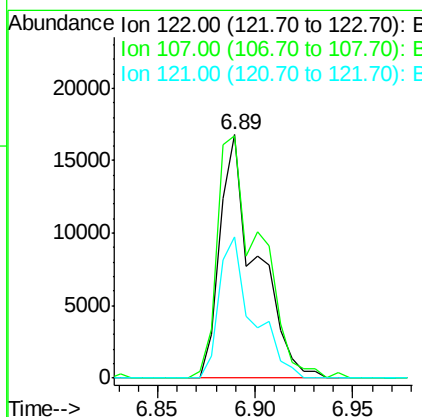
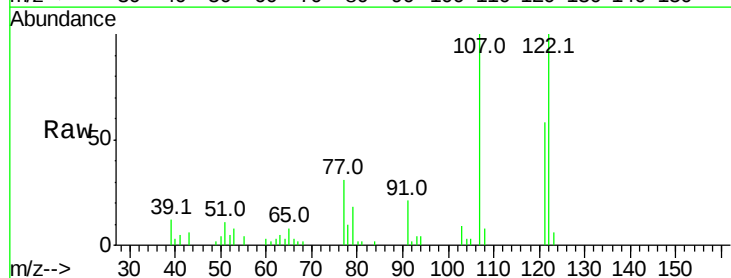
Instrument :
 BNA_F
 ClientSampleId :

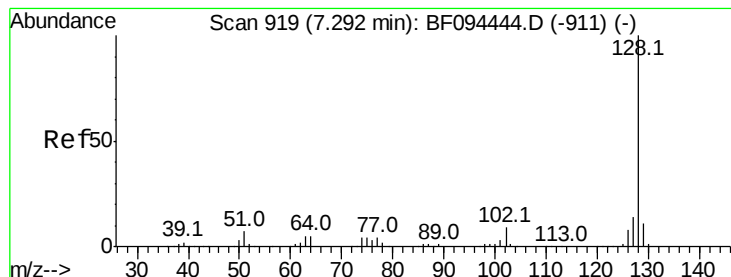
Tot Ion	82	Resp	810725
Ion Ratio	100	Lower	Upper
128	47.6	34.0	51.0
54	48.4	42.2	63.2



#27
 2,4-Dimethylphenol
 Concen: 2.85 ng
 RT: 6.89 min Scan# 842
 Delta R.T. -0.00 min
 Lab File: BF094499.D
 Acq: 18 Apr 2017 21:10

Tgt Ion	122	Resp	21840
Ion Ratio	100	Lower	Upper
107	99.7	89.2	133.8
121	58.1	45.2	67.8





#31

Naphthalene

Concen: 7.38 ng

RT: 7.28 min Scan# 909

Delta R.T. -0.01 min

Lab File: BF094499.D

Acq: 18 Apr 2017 21:10

Instrument :

BNA_F

ClientSampleId :

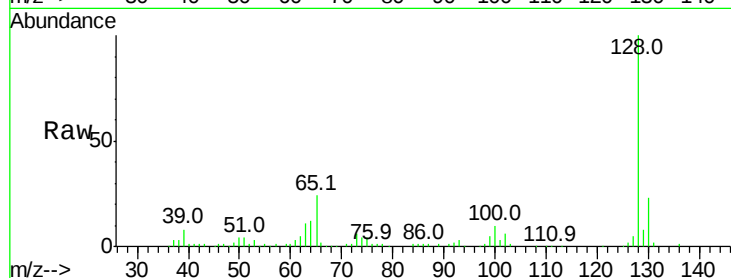
Tot Ion:128 Resp: 182700

Ion Ratio Lower Upper

128 100

129 8.2 9.0 13.6#

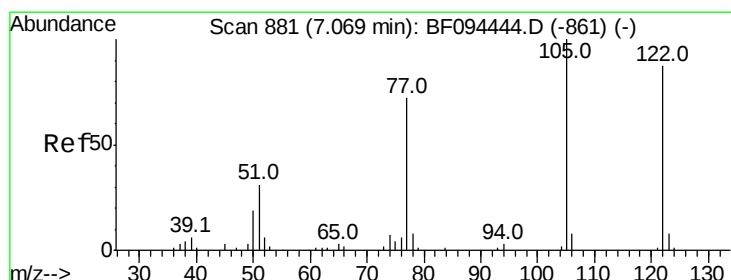
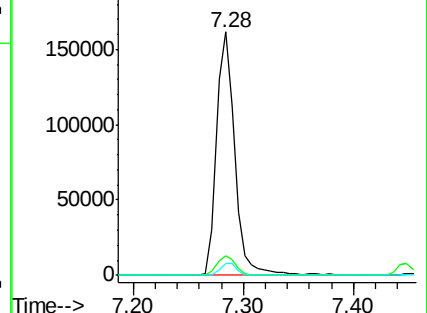
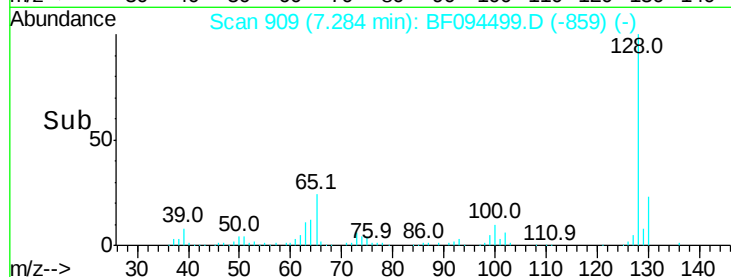
127 4.7 10.8 16.2#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 10.28 ng

RT: 7.05 min Scan# 870

Delta R.T. -0.01 min

Lab File: BF094499.D

Acq: 18 Apr 2017 21:10

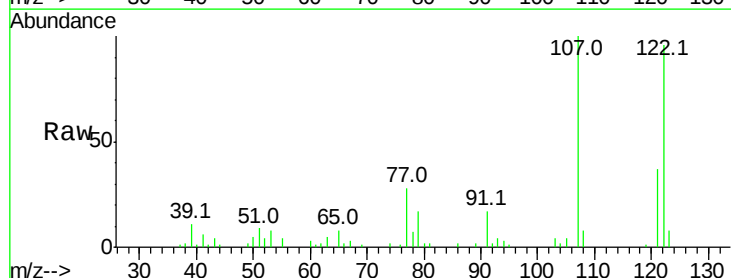
Tgt Ion:122 Resp: 41673

Ion Ratio Lower Upper

122 100

105 4.5 103.3 143.3#

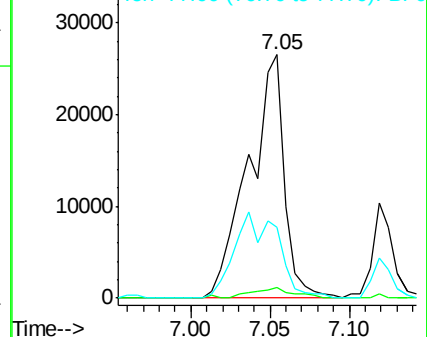
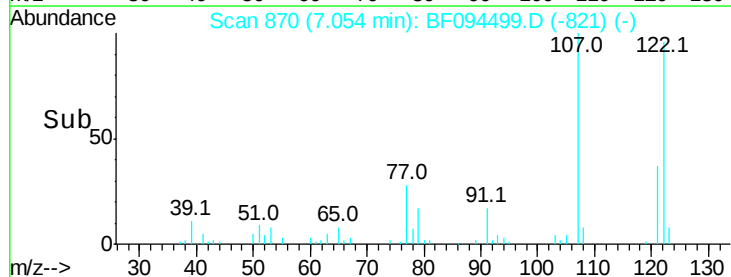
77 29.0 73.7 113.7#

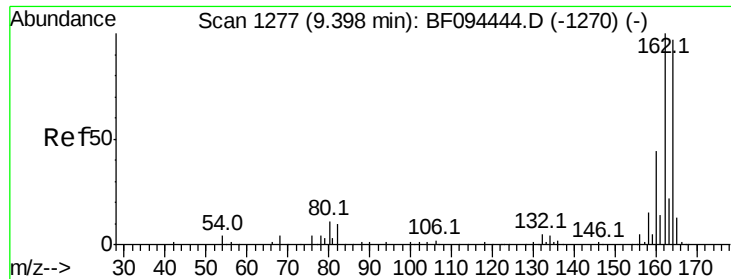


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

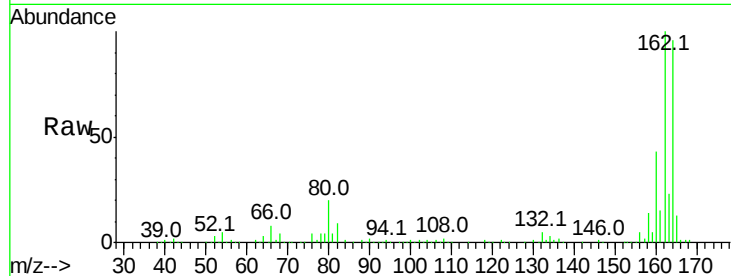




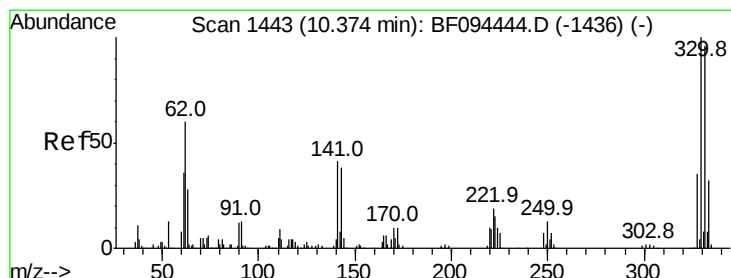
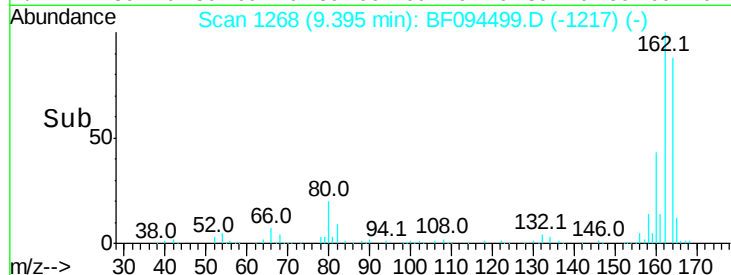
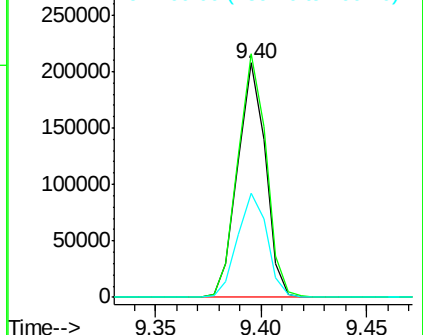
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.40 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: BF094499.D
 Acq: 18 Apr 2017 21:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 189241
 Ion Ratio Lower Upper
 164 100
 162 103.8 82.6 123.8
 160 44.5 36.2 54.2

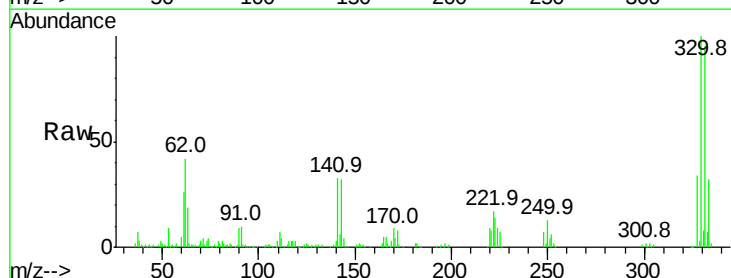


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

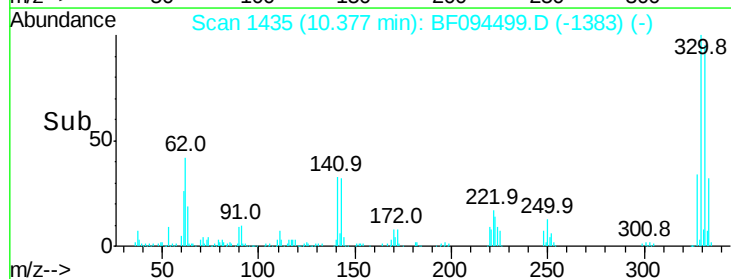
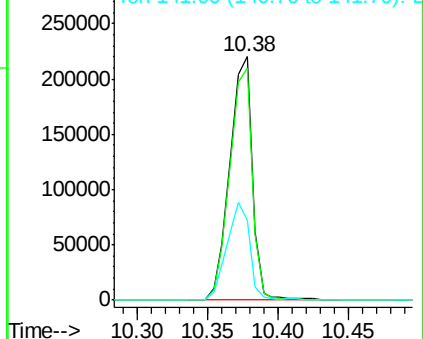


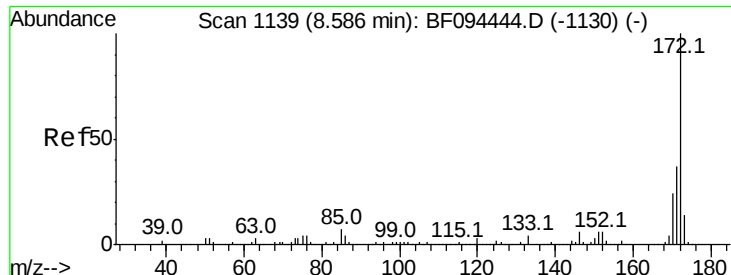
#41
 2,4,6-Tribromophenol
 Concen: 166.12 ng
 RT: 10.38 min Scan# 1435
 Delta R.T. 0.00 min
 Lab File: BF094499.D
 Acq: 18 Apr 2017 21:10

Tgt Ion:330 Resp: 245899
 Ion Ratio Lower Upper
 330 100
 332 96.1 76.6 115.0
 141 40.9 31.4 47.2



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

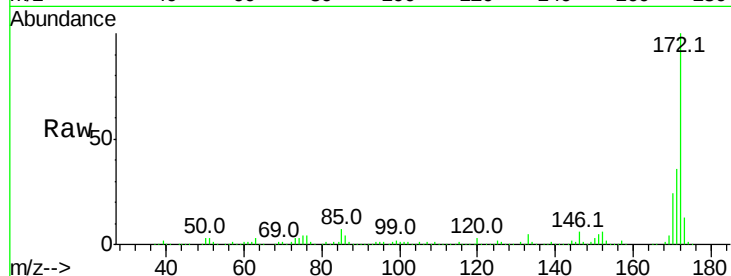




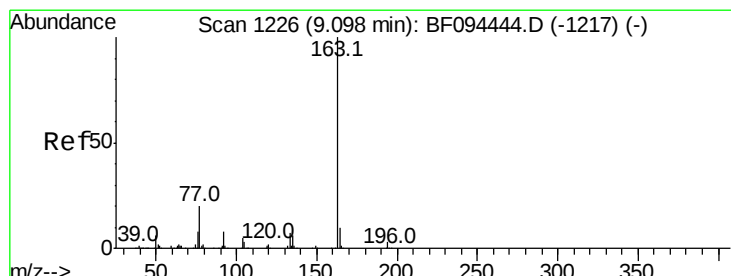
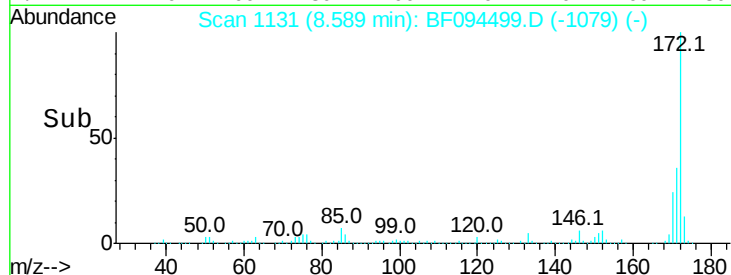
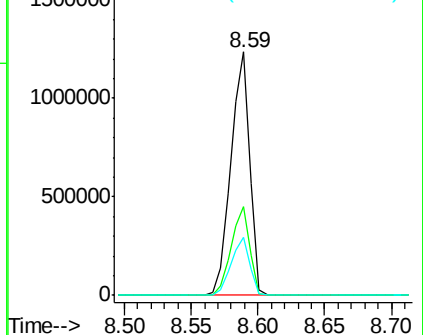
#44
2-Fluorobiphenyl
Concen: 95.83 ng
RT: 8.59 min Scan# 1131
Delta R.T. 0.00 min
Lab File: BF094499.D
Acq: 18 Apr 2017 21:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1232529
Ion Ratio Lower Upper
172 100
171 36.4 29.6 44.4
170 24.0 19.8 29.8

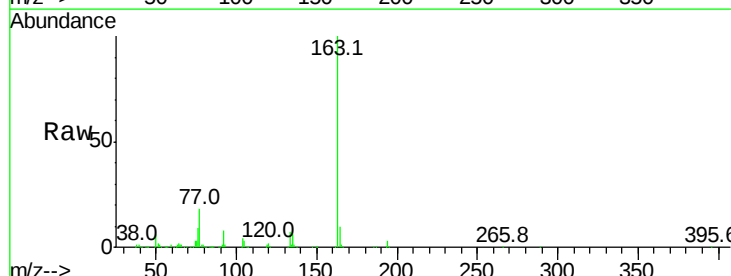


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

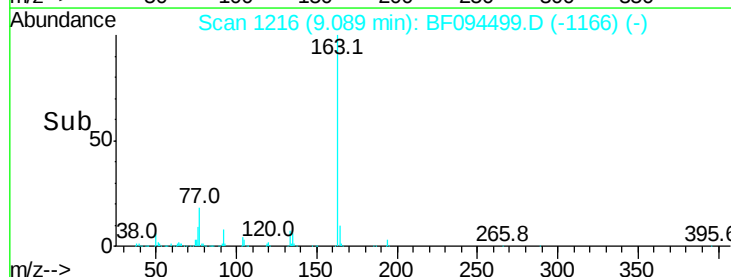
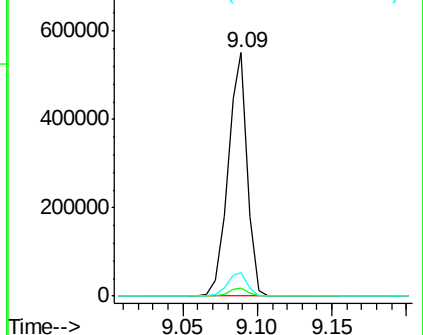


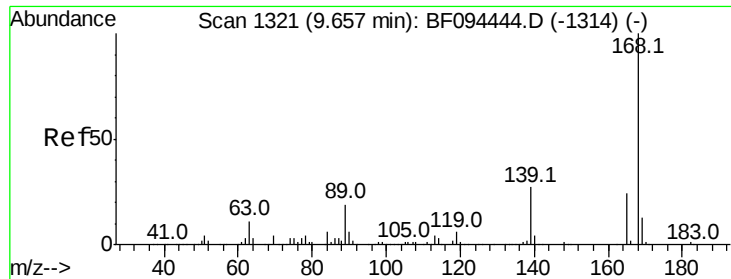
#49
Dimethylphthalate
Concen: 35.46 ng
RT: 9.09 min Scan# 1216
Delta R.T. -0.01 min
Lab File: BF094499.D
Acq: 18 Apr 2017 21:10

Tgt Ion:163 Resp: 500141
Ion Ratio Lower Upper
163 100
194 3.4 2.6 4.0
164 9.8 8.4 12.6



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

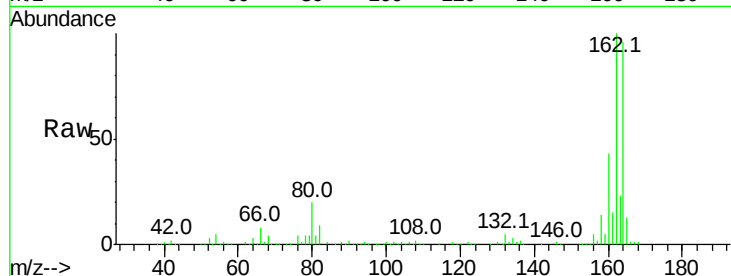




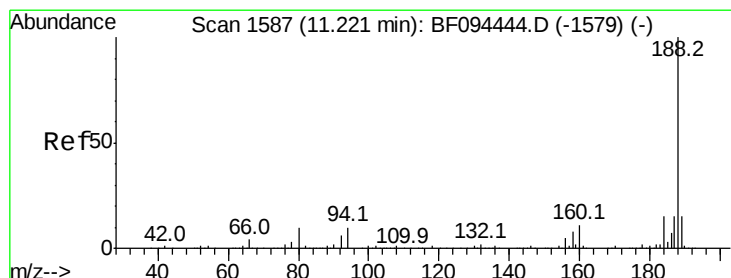
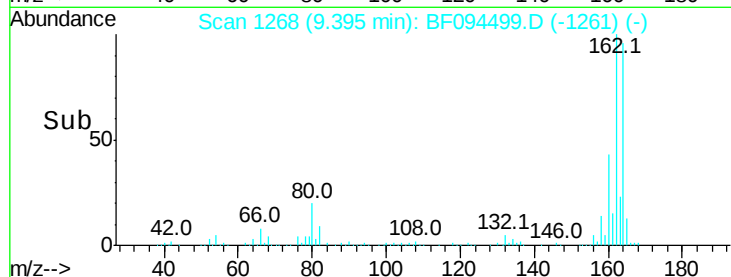
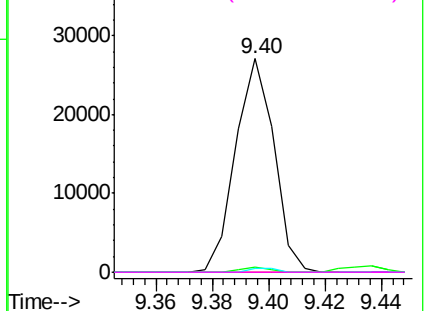
#56
 2,4-Dinitrotoluene
 Concen: 6.57 ng
 RT: 9.40 min Scan# 1268
 Delta R.T. -0.26 min
 Lab File: BF094499.D
 Acq: 18 Apr 2017 21:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165	Resp:	25536
Ion Ratio	Lower	Upper
165	100	
63	2.4	25.4 38.0#
89	1.6	46.4 69.6#
182	0.0	1.8 2.6#

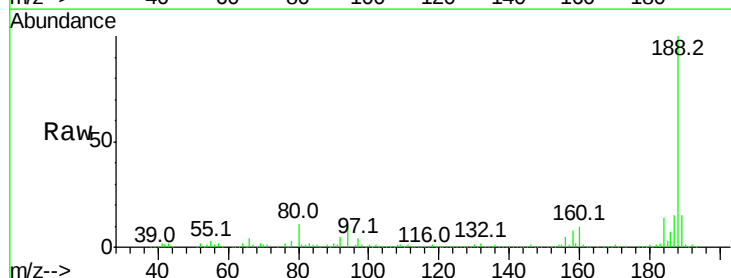


Abundance Ion 165.00 (164.70 to 165.70): E

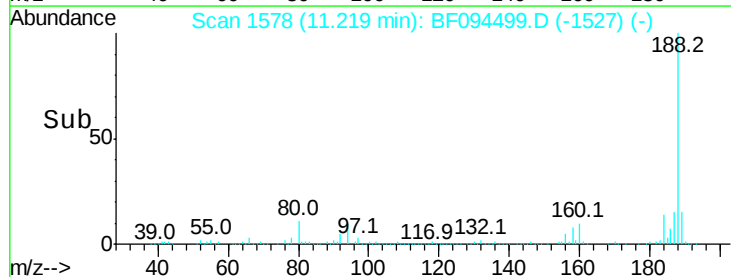
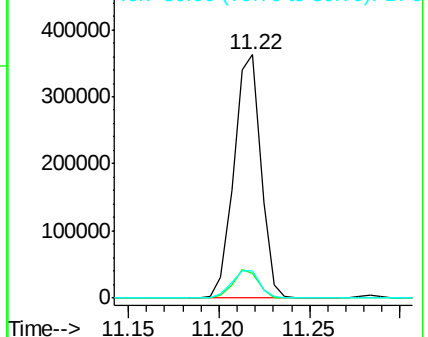


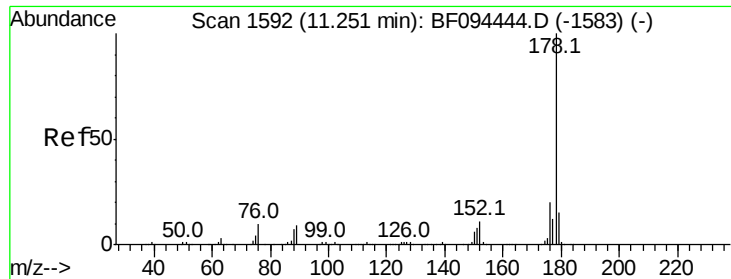
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.22 min Scan# 1578
 Delta R.T. -0.00 min
 Lab File: BF094499.D
 Acq: 18 Apr 2017 21:10

Tgt Ion:188	Resp:	375678
Ion Ratio	Lower	Upper
188	100	
94	10.0	9.4 14.2
80	11.2	10.2 15.2



Abundance Ion 188.00 (187.70 to 188.70): E

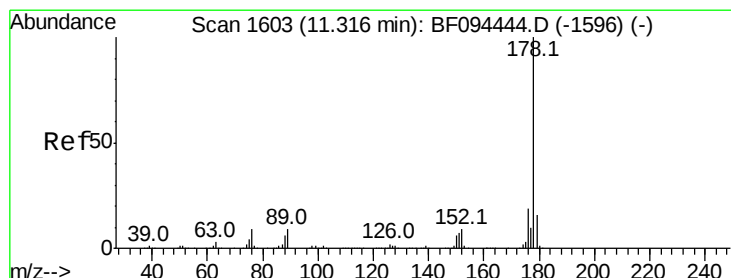
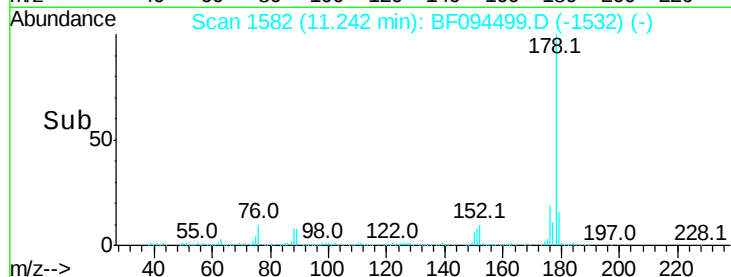
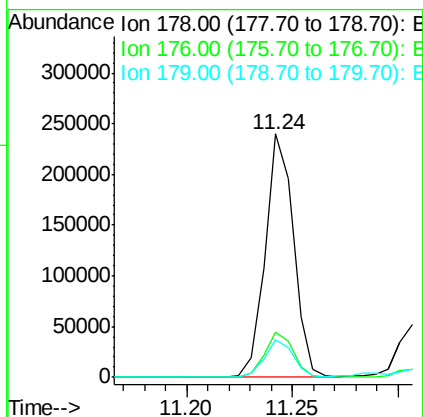
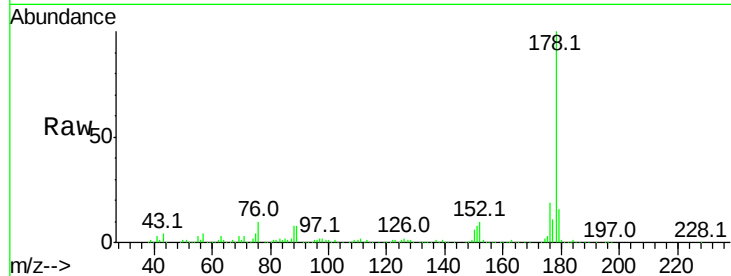




#70
Phenanthrene
Concen: 10.58 ng
RT: 11.24 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF094499.D
Acq: 18 Apr 2017 21:10

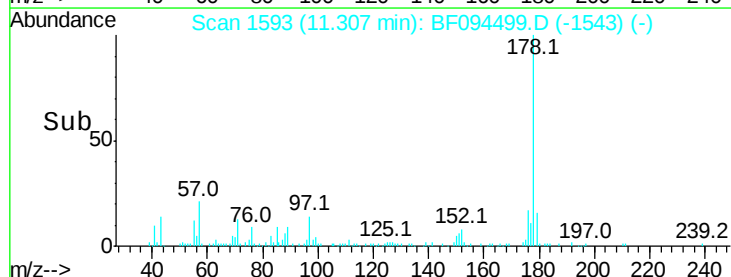
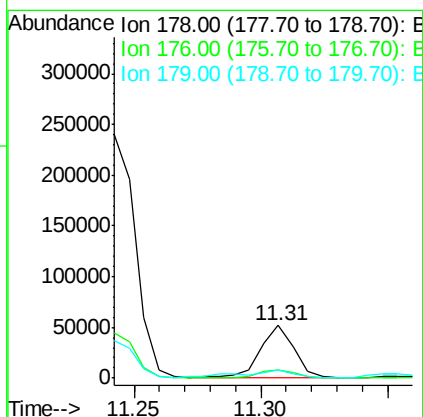
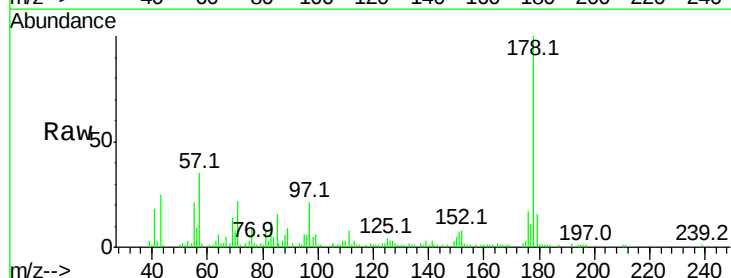
Instrument :
BNA_F
ClientSampleId :

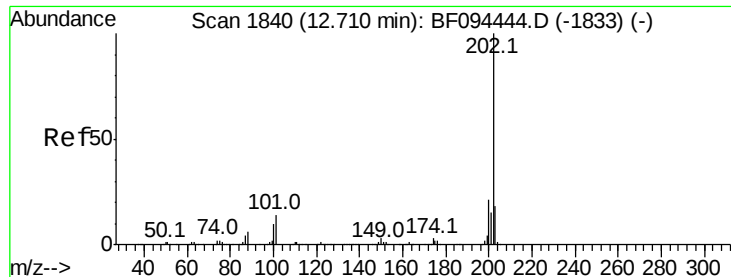
Tot Ion:178 Resp: 223842
Ion Ratio Lower Upper
178 100
176 18.6 16.2 24.4
179 15.6 12.6 19.0



#71
Anthracene
Concen: 2.17 ng
RT: 11.31 min Scan# 1593
Delta R.T. -0.01 min
Lab File: BF094499.D
Acq: 18 Apr 2017 21:10

Tgt Ion:178 Resp: 47399
Ion Ratio Lower Upper
178 100
176 16.6 15.8 23.8
179 15.7 12.7 19.1





#74

Fluoranthene

Concen: 17.13 ng

RT: 12.71 min Scan# 1831

Delta R.T. -0.00 min

Lab File: BF094499.D

Acq: 18 Apr 2017 21:10

Instrument :

BNA_F

ClientSampled :

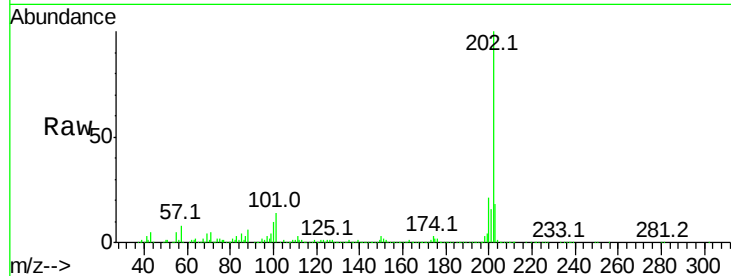
Tot Ion:202 Resp: 375591

Ion Ratio Lower Upper

202 100

101 13.6 0.0 33.2

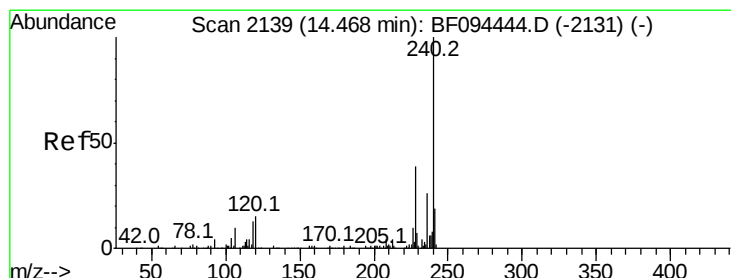
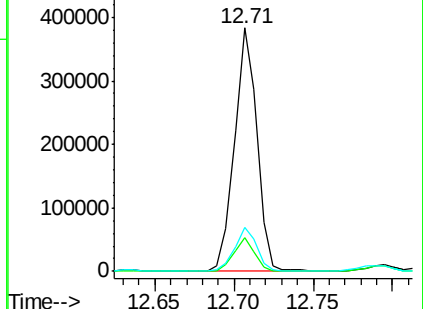
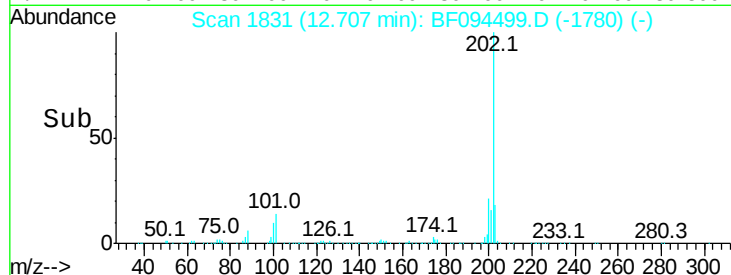
203 17.9 0.0 38.1



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: 14.47 min Scan# 2130

Delta R.T. -0.00 min

Lab File: BF094499.D

Acq: 18 Apr 2017 21:10

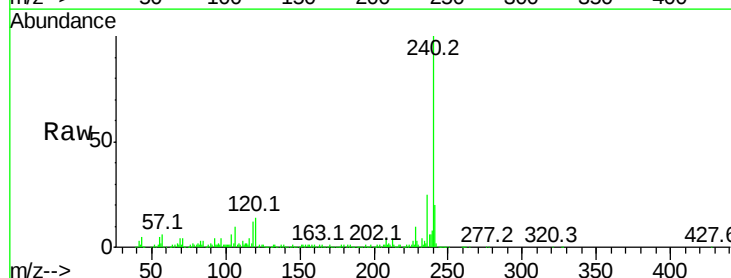
Tgt Ion:240 Resp: 267108

Ion Ratio Lower Upper

240 100

120 14.0 5.8 8.8#

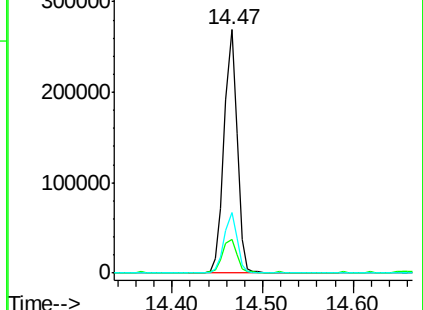
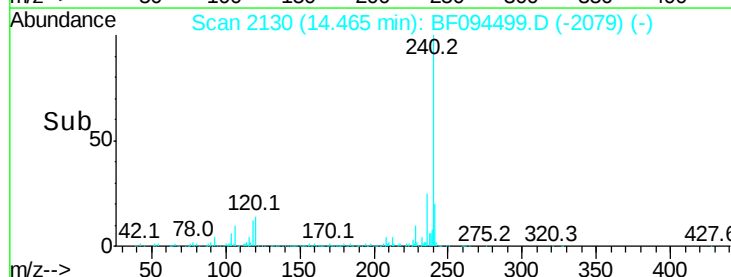
236 25.1 20.5 30.7

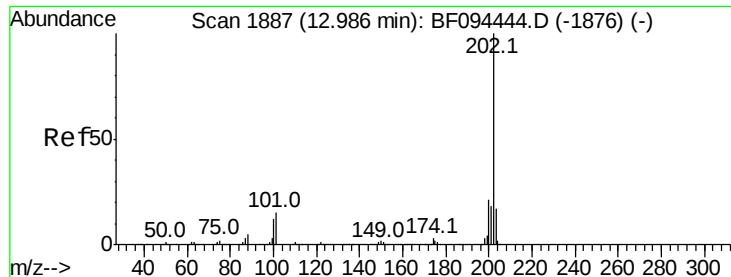


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

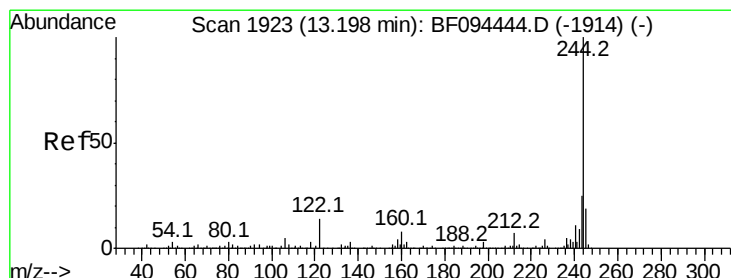
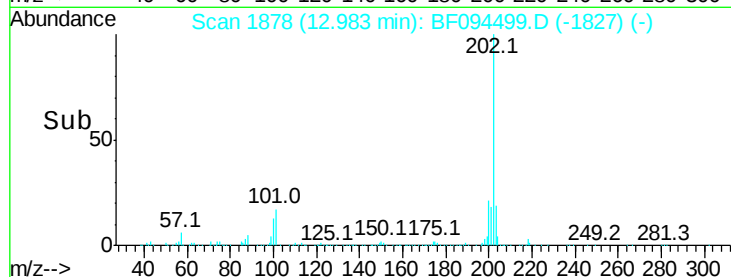
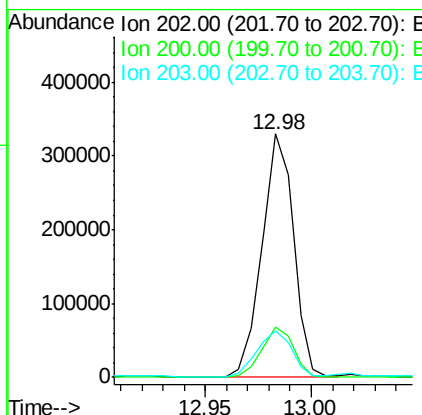
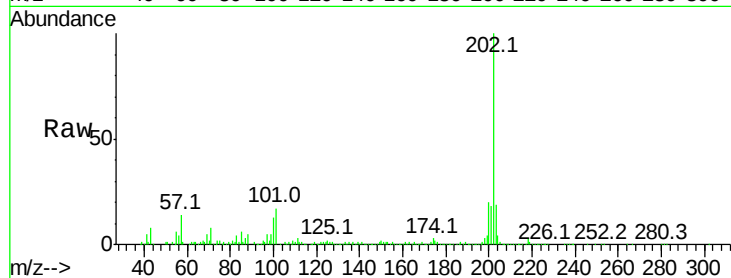




#77
Pvrene
Concen: 18.50 ng
RT: 12.98 min Scan# 1878
Delta R.T. -0.00 min
Lab File: BF094499.D
Acq: 18 Apr 2017 21:10

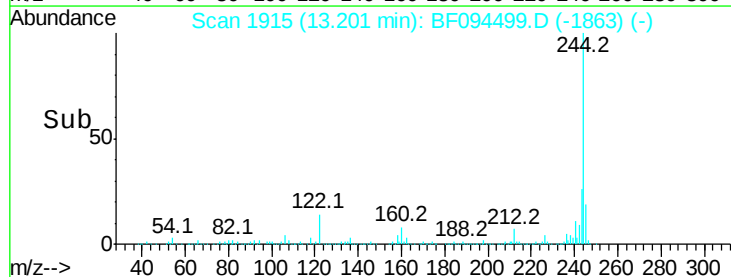
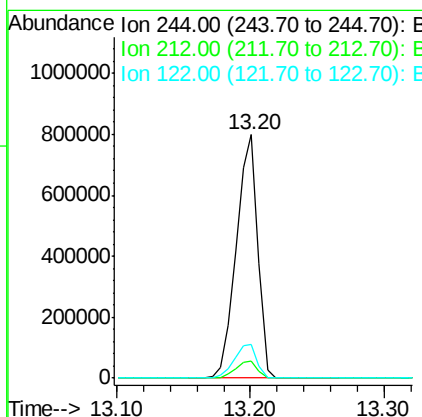
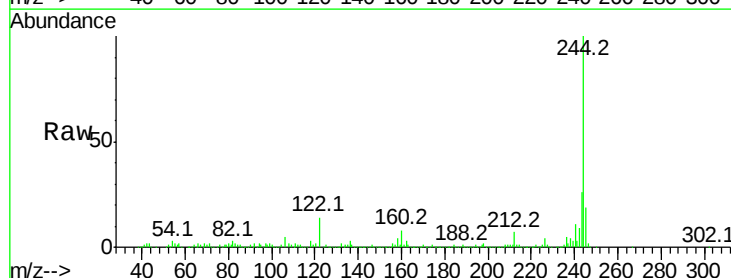
Instrument :
BNA_F
ClientSampleId :

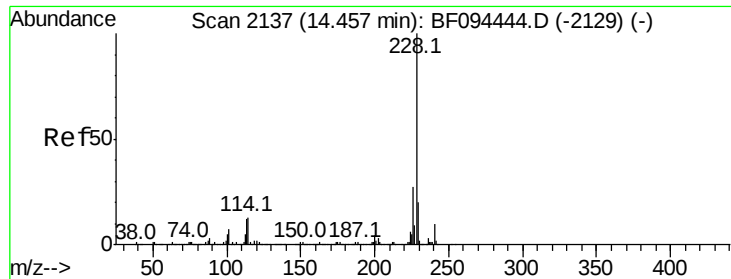
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.6	26.4
203	19.2	14.4	21.6



#78
Terphenyl-d14
Concen: 89.41 ng
RT: 13.20 min Scan# 1915
Delta R.T. 0.00 min
Lab File: BF094499.D
Acq: 18 Apr 2017 21:10

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.0	9.0
122	13.6	10.3	15.5

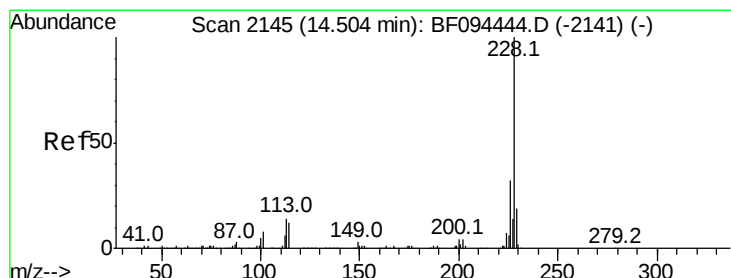
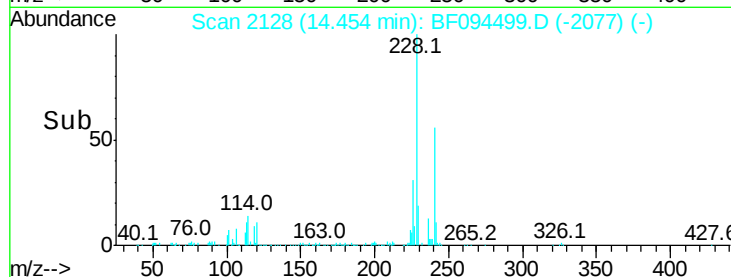
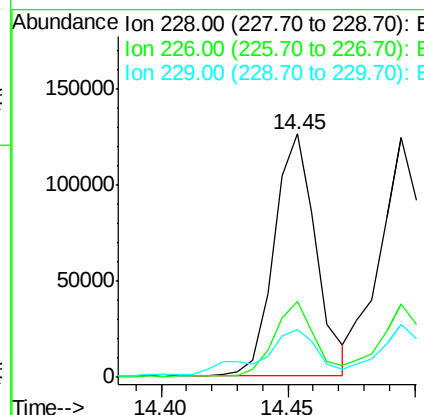
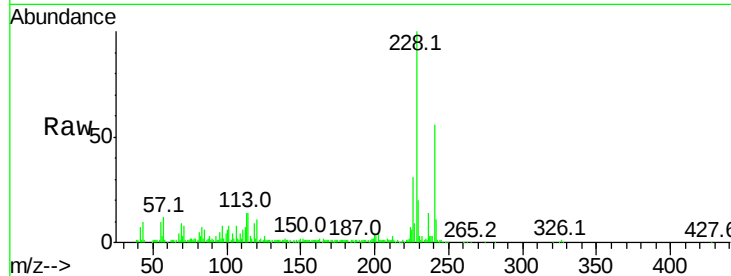




#80
Benzo(a)anthracene
Concen: 9.37 ng
RT: 14.45 min Scan# 2128
Delta R.T. -0.00 min
Lab File: BF094499.D
Acq: 18 Apr 2017 21:10

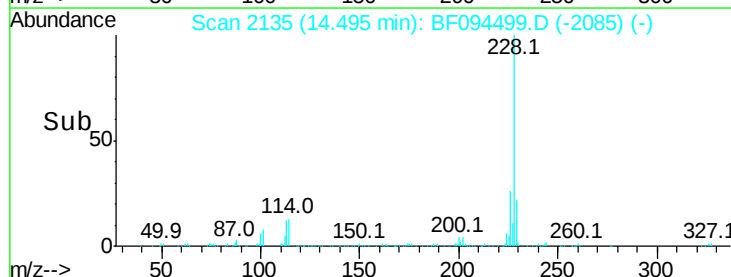
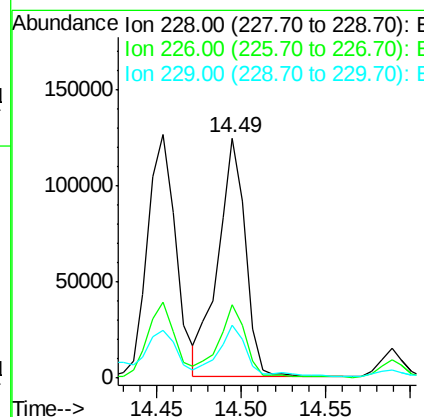
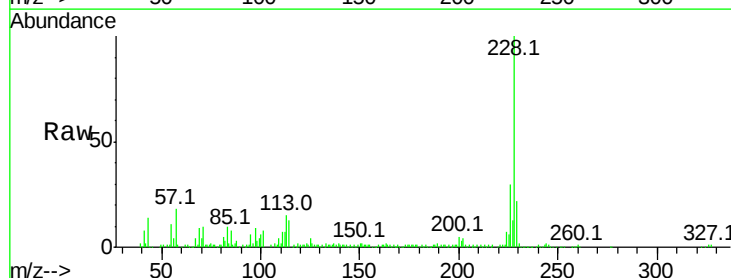
Instrument :
BNA_F
ClientSampleId :

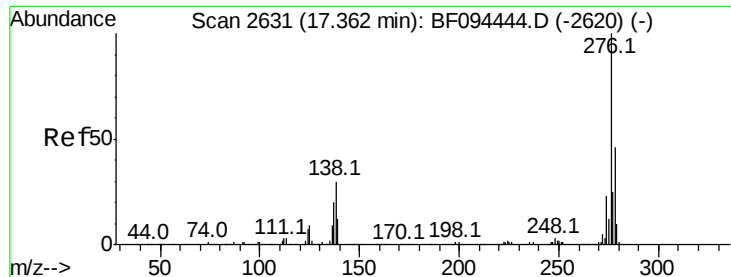
Tot Ion:228 Resp: 145405
Ion Ratio Lower Upper
228 100
226 31.0 22.6 33.8
229 19.5 16.3 24.5



#82
Chrysene
Concen: 9.97 ng
RT: 14.49 min Scan# 2135
Delta R.T. -0.01 min
Lab File: BF094499.D
Acq: 18 Apr 2017 21:10

Tgt Ion:228 Resp: 141393
Ion Ratio Lower Upper
228 100
226 30.5 24.9 37.3
229 22.2 15.8 23.6





#85

Indeno(1,2,3-cd)pyrene

Concen: 6.72 ng

RT: 17.35 min Scan# 2621

Delta R.T. -0.01 min

Lab File: BF094499.D

Acq: 18 Apr 2017 21:10

Instrument :

BNA_F

ClientSampleId :

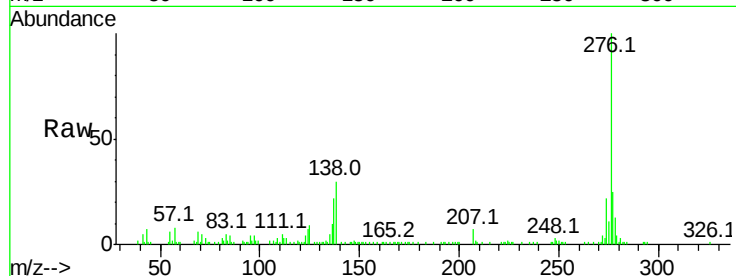
Tot Ion:276 Resp: 90666

Ion Ratio Lower Upper

276 100

138 26.6 27.8 41.6#

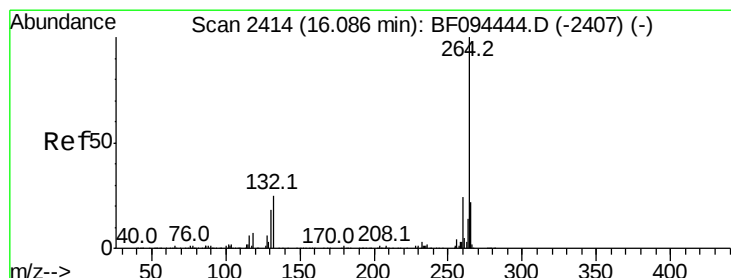
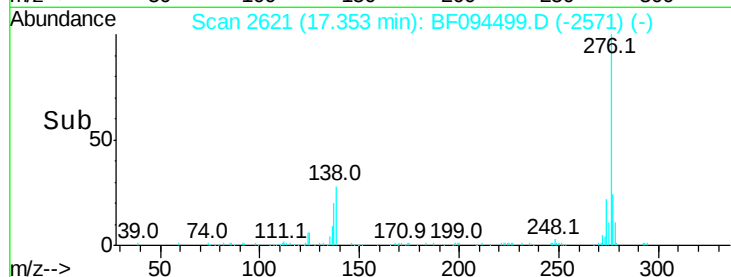
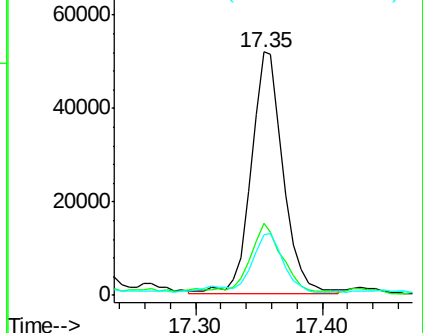
277 26.1 20.2 30.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 16.09 min Scan# 2406

Delta R.T. 0.00 min

Lab File: BF094499.D

Acq: 18 Apr 2017 21:10

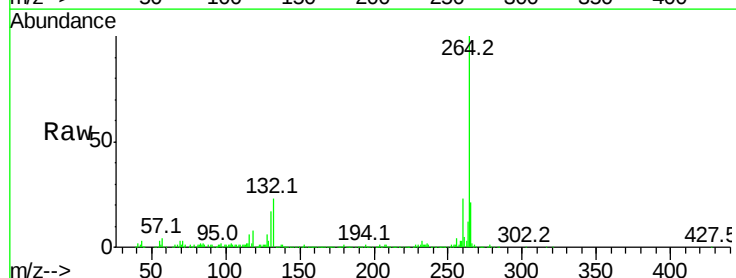
Tgt Ion:264 Resp: 247653

Ion Ratio Lower Upper

264 100

260 23.4 19.5 29.3

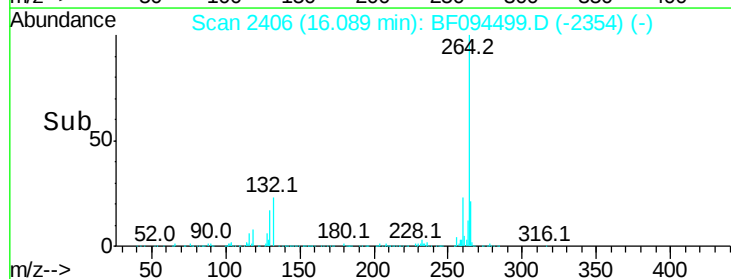
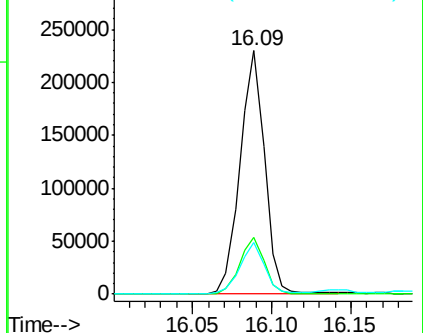
265 21.1 17.2 25.8

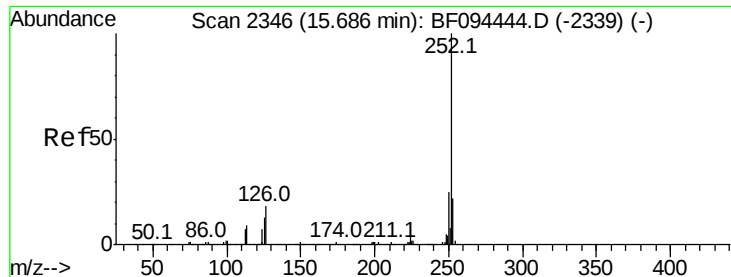


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 15.96 ng

RT: 15.69 min Scan# 2338

Delta R.T. 0.00 min

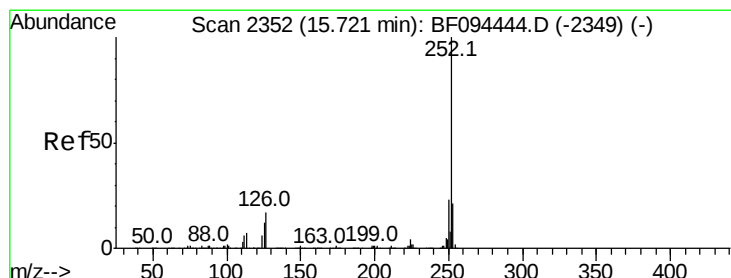
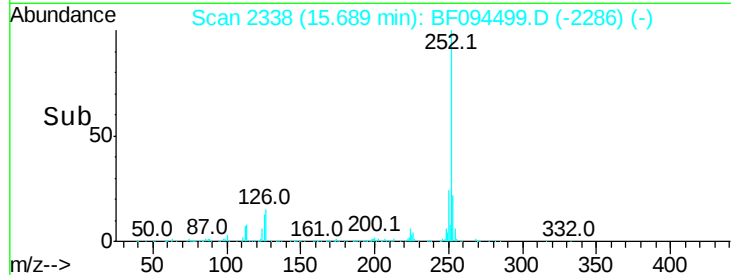
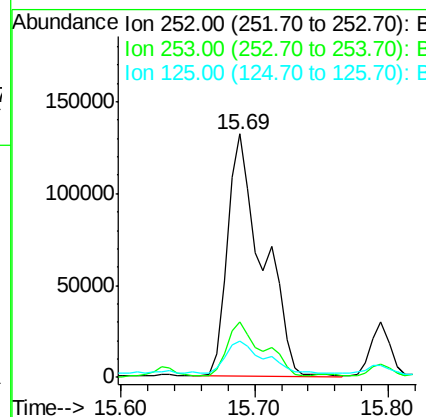
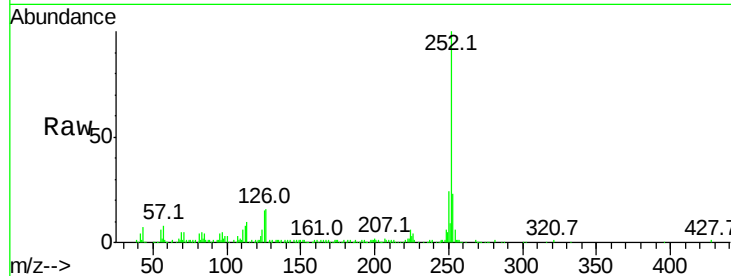
Lab File: BF094499.D

Acq: 18 Apr 2017 21:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 241789

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.1	27.1
125	15.0	9.8	14.8#



#88

Benzo(k)fluoranthene

Concen: 16.87 ng

RT: 15.69 min Scan# 2338

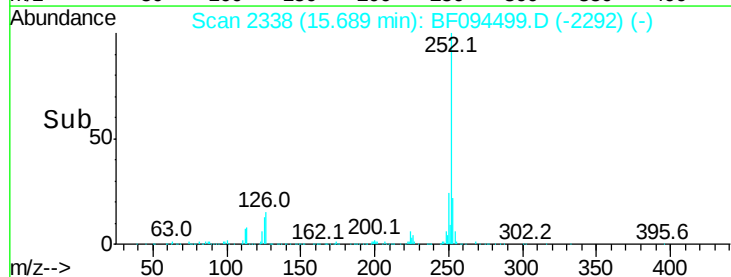
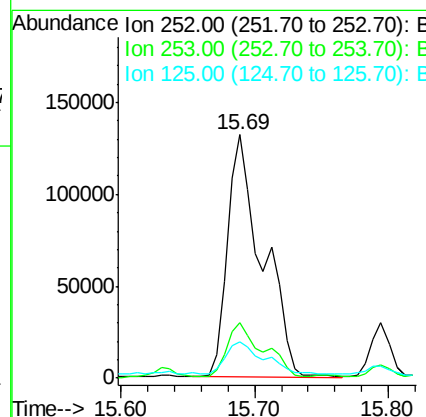
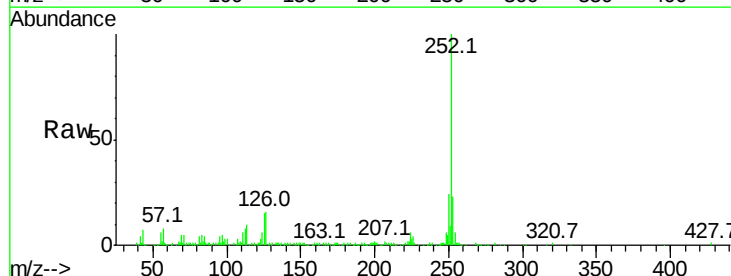
Delta R.T. -0.03 min

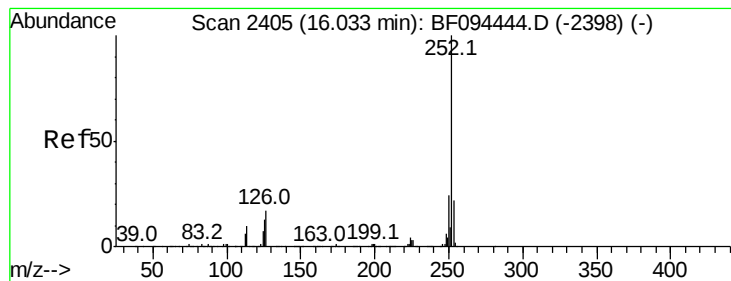
Lab File: BF094499.D

Acq: 18 Apr 2017 21:10

Tgt Ion:252 Resp: 241789

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.4	27.6
125	15.0	13.1	19.7





#89

Benzo(a)pyrene

Concen: 9.48 ng

RT: 16.03 min Scan# 2396

Delta R.T. -0.00 min

Lab File: BF094499.D

Acq: 18 Apr 2017 21:10

Instrument :

BNA_F

ClientSampleId :

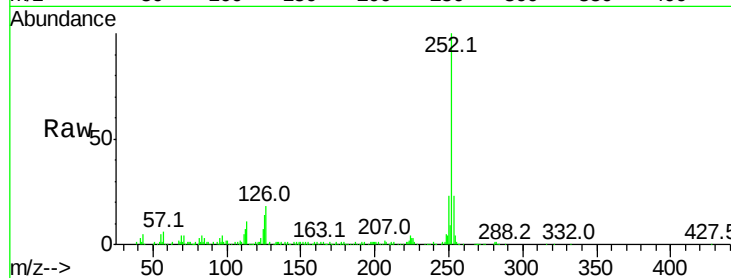
Tot Ion:252 Resp: 133544

Ion Ratio Lower Upper

252 100

253 22.6 17.5 26.3

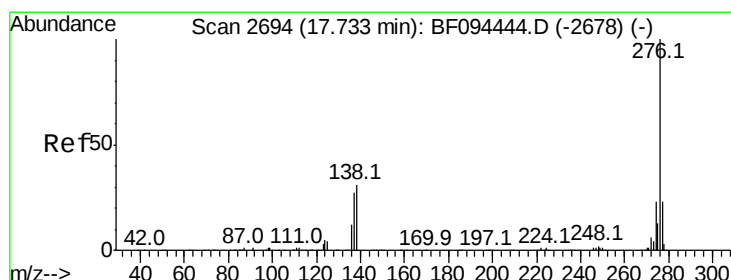
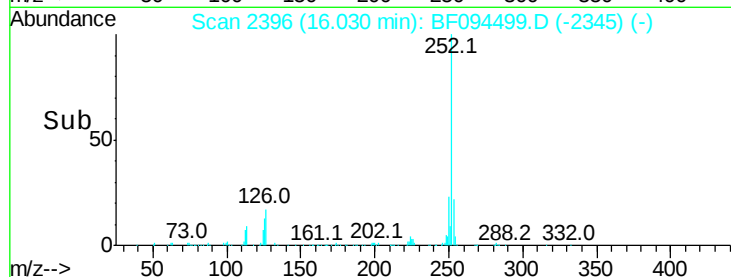
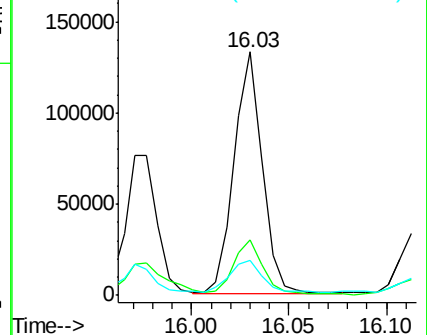
125 14.4 11.0 16.4



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



#91

Benzo(g,h,i)perylene

Concen: 7.42 ng

RT: 17.72 min Scan# 2684

Delta R.T. -0.01 min

Lab File: BF094499.D

Acq: 18 Apr 2017 21:10

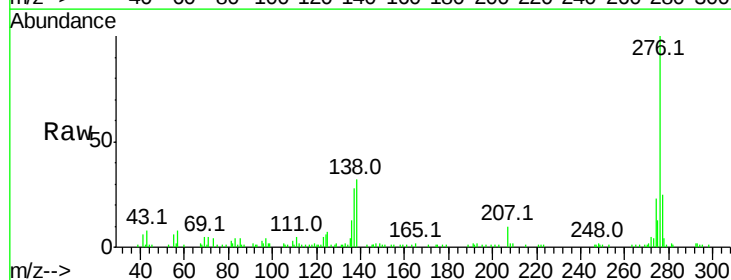
Tgt Ion:276 Resp: 88464

Ion Ratio Lower Upper

276 100

277 24.7 18.6 28.0

138 32.1 25.4 38.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

