

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042017\
 Data File : BF094554.D
 Acq On : 20 Apr 2017 19:38
 Operator : SJ/MA
 Sample : I2744-09
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 21 01:05:05 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

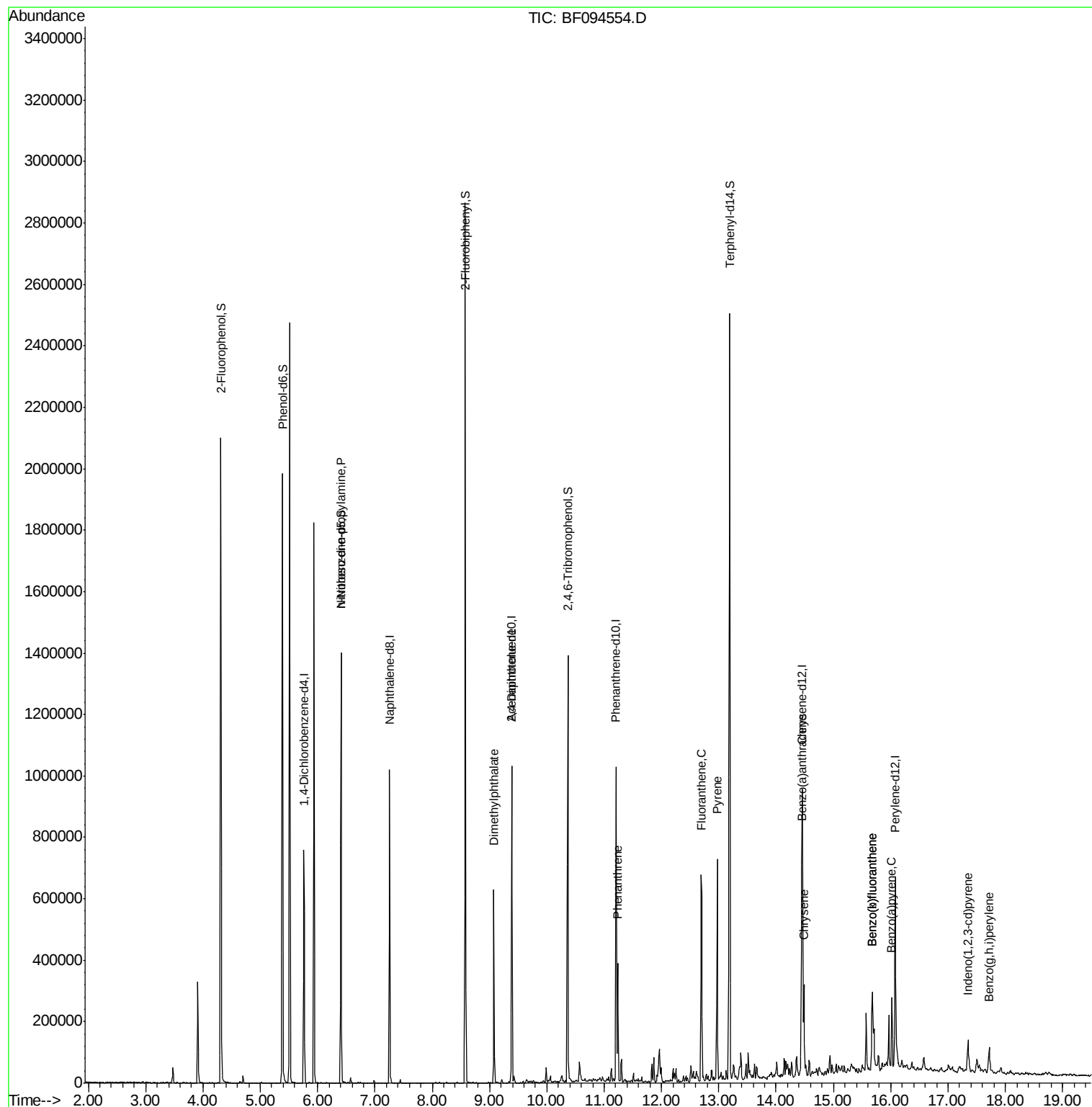
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.76	152	113436	20.00	ng	0.00
21) Naphthalene-d8	7.25	136	464554	20.00	ng	0.00
38) Acenaphthene-d10	9.39	164	212933	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	403542	20.00	ng	-0.01
75) Chrysene-d12	14.46	240	340855	20.00	ng	0.00
86) Perylene-d12	16.08	264	256941	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.31	112	635632	92.96	ng	0.00
7) Phenol-d6	5.39	99	804508	99.81	ng	0.00
23) Nitrobenzene-d5	6.41	82	483806	64.31	ng	0.00
41) 2,4,6-Tribromophenol	10.37	330	176378	105.90	ng	0.00
44) 2-Fluorobiphenyl	8.58	172	958948	66.26	ng	0.00
78) Terphenyl-d14	13.19	244	898040	70.42	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	6.41	70	63379	11.87	ng	# 76
49) Dimethylphthalate	9.08	163	270914	17.07	ng	99
56) 2,4-Dinitrotoluene	9.39	165	27326	6.25	ng	# 32
70) Phenanthrene	11.24	178	147145	6.48	ng	97
74) Fluoranthene	12.69	202	299166	12.70	ng	97
77) Pyrene	12.97	202	302740	12.71	ng	98
80) Benzo(a)anthracene	14.44	228	129228	6.52	ng	98
82) Chrysene	14.48	228	125356	6.92	ng	96
85) Indeno(1,2,3-cd)pyrene	17.35	276	54421	3.16	ng	98
87) Benzo(b)fluoranthene	15.68	252	169400	10.78	ng	# 96
88) Benzo(k)fluoranthene	15.68	252	169400	11.39	ng	97
89) Benzo(a)pyrene	16.02	252	94024	6.43	ng	97
91) Benzo(a,h,i)perylene	17.72	276	57961	4.69	ng	94

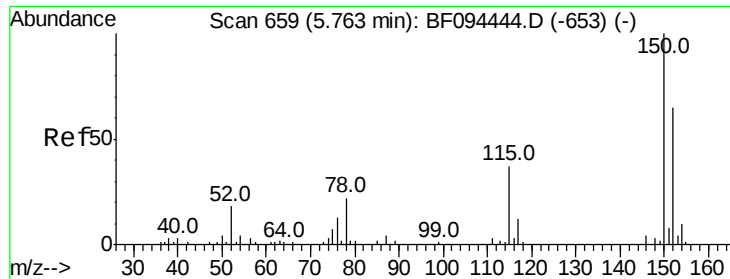
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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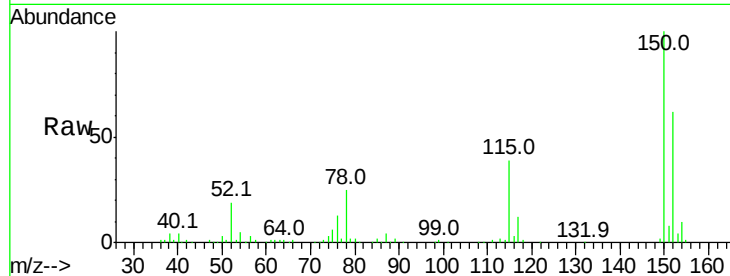


#1

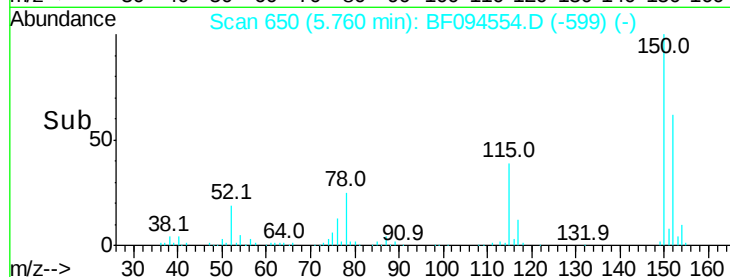
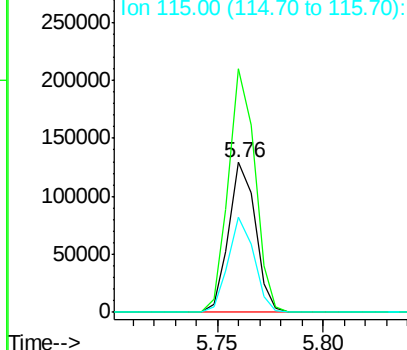
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.76 min Scan# 650
Delta R.T. -0.00 min
Lab File: BF094554.D
Acq: 20 Apr 2017 19:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 113436
Ion Ratio Lower Upper
152 100
150 162.4 126.2 189.2
115 63.3 52.2 78.2



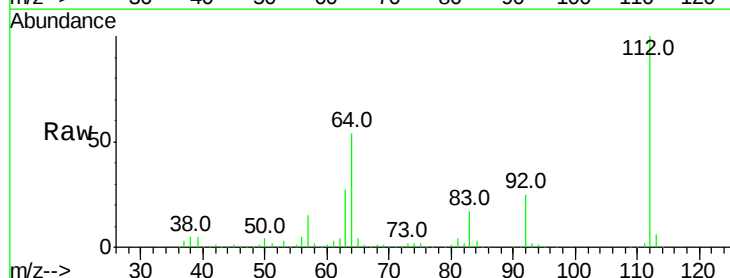
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



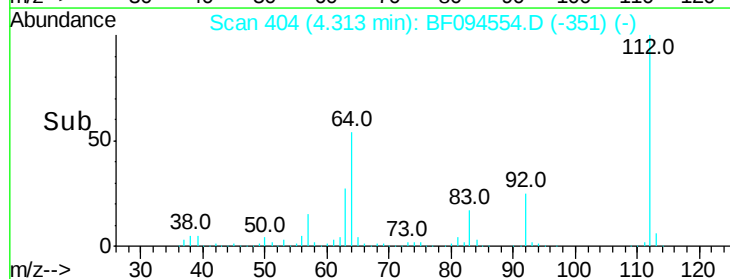
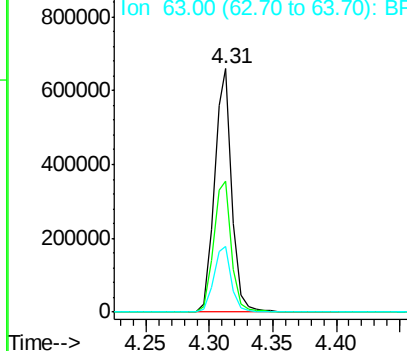
#5

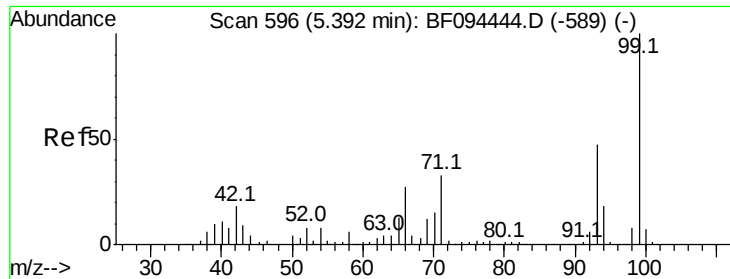
2-Fluorophenol
Concen: 92.96 ng
RT: 4.31 min Scan# 404
Delta R.T. 0.01 min
Lab File: BF094554.D
Acq: 20 Apr 2017 19:38

Tgt Ion:112 Resp: 635632
Ion Ratio Lower Upper
112 100
64 53.8 46.0 69.0
63 26.8 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: 99.81 ng

RT: 5.39 min Scan# 587

Delta R.T. -0.00 min

Lab File: BF094554.D

Acq: 20 Apr 2017 19:38

Instrument :

BNA_F

ClientSampleId :

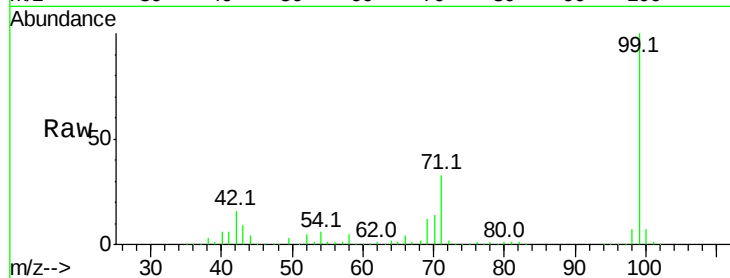
Tot Ion: 99 Resp: 804508

Ion Ratio Lower Upper

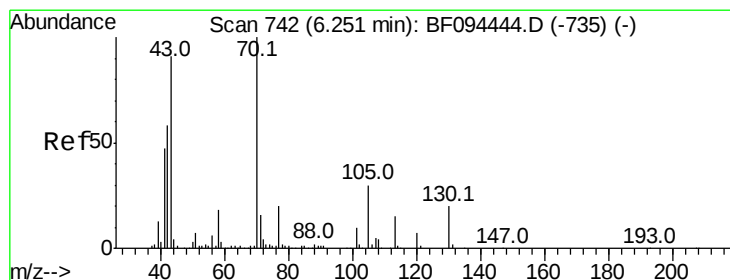
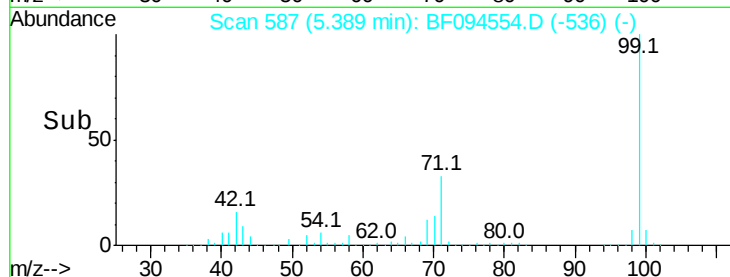
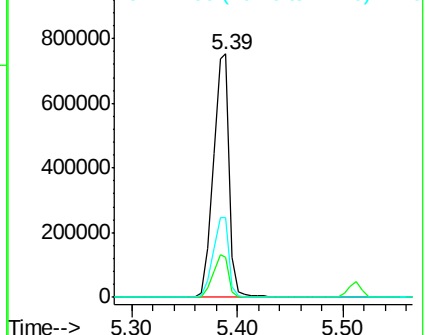
99 100

42 16.4 13.5 20.3

71 32.7 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



#19

n-Nitroso-di-n-propylamine

Concen: 11.87 ng

RT: 6.41 min Scan# 760

Delta R.T. 0.16 min

Lab File: BF094554.D

Acq: 20 Apr 2017 19:38

Tgt Ion: 70 Resp: 63379

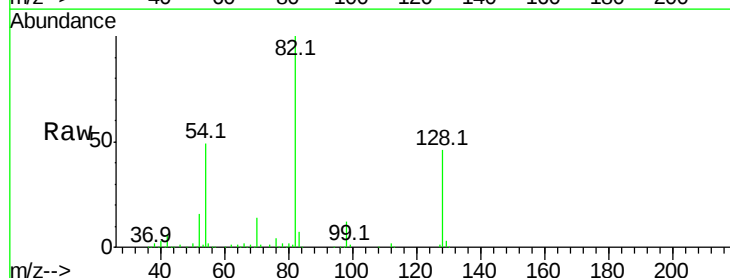
Ion Ratio Lower Upper

70 100

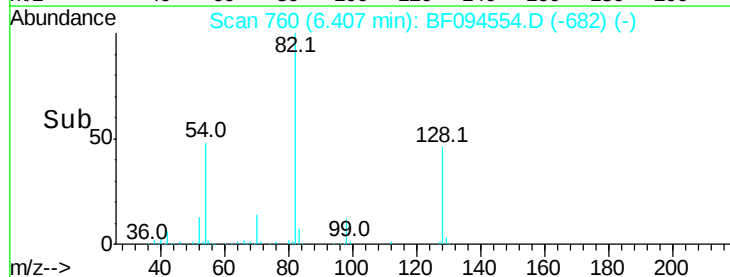
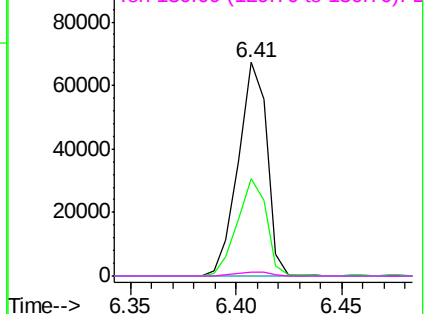
42 45.5 47.2 70.8#

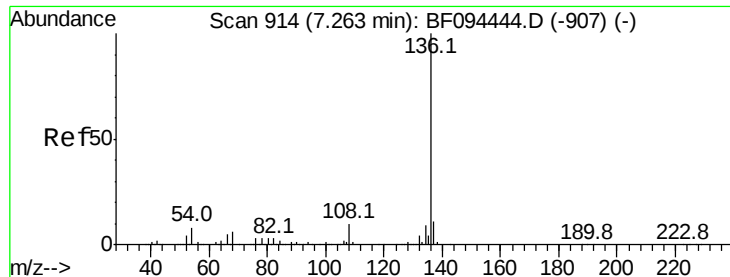
101 0.0 7.2 10.8#

130 1.6 15.9 23.9#



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): E
Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.25 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF094554.D

Acq: 20 Apr 2017 19:38

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 464554

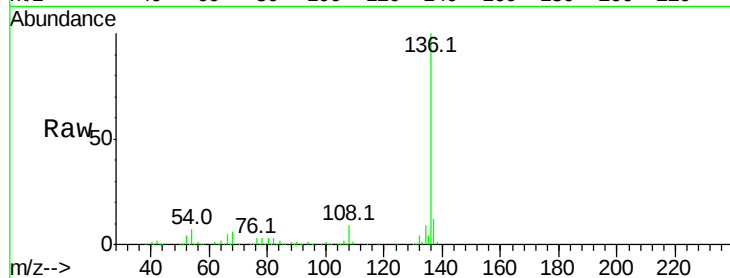
Ion Ratio Lower Upper

136 100

137 11.5 8.5 12.7

54 7.3 4.9 7.3

68 5.7 4.1 6.1

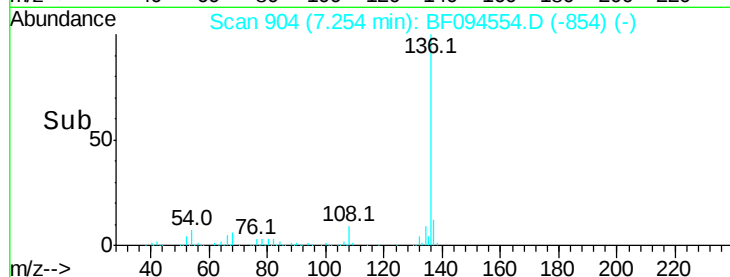


Abundance Ion 136.00 (135.70 to 136.70): E

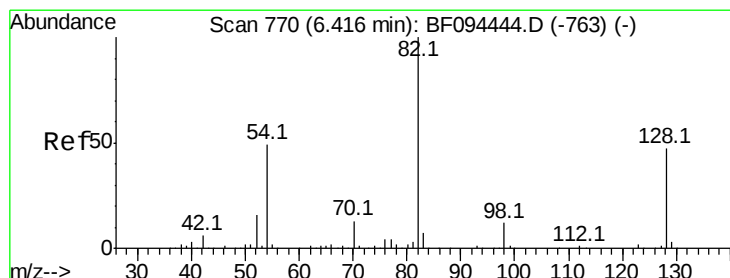
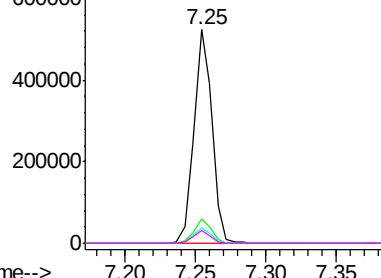
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 64.31 ng

RT: 6.41 min Scan# 760

Delta R.T. -0.01 min

Lab File: BF094554.D

Acq: 20 Apr 2017 19:38

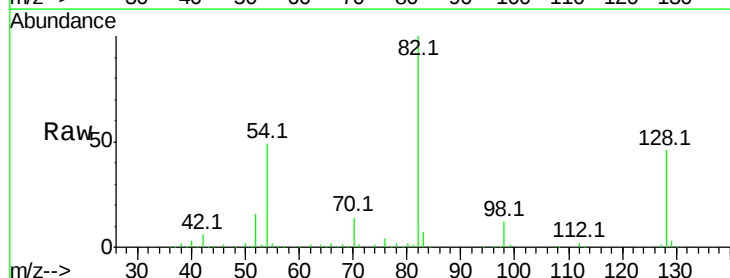
Tgt Ion: 82 Resp: 483806

Ion Ratio Lower Upper

82 100

128 45.7 34.0 51.0

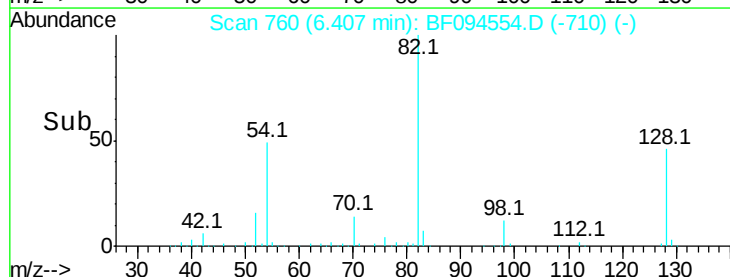
54 49.1 42.2 63.2



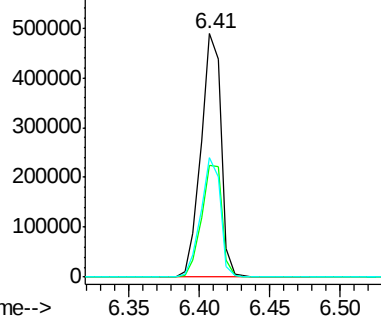
Abundance Ion 82.00 (81.70 to 82.70): BF0

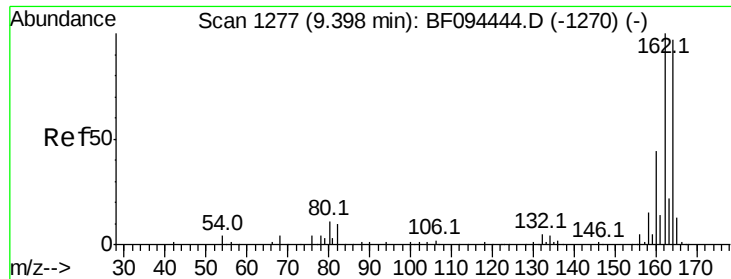
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->

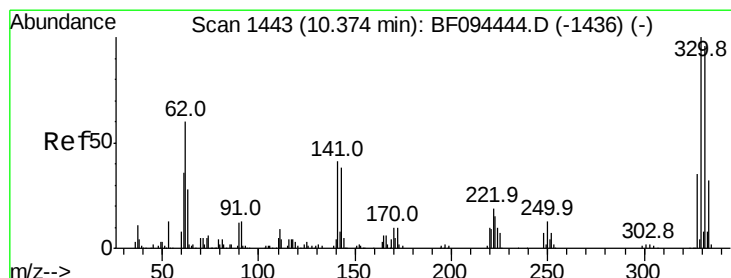
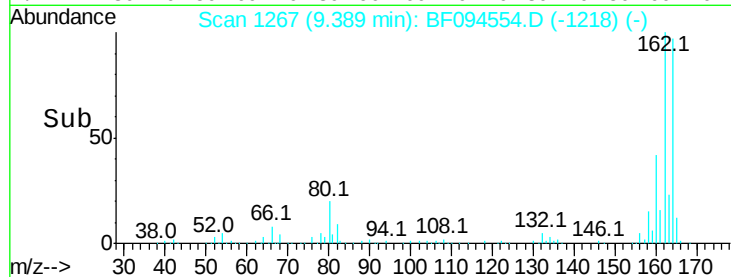
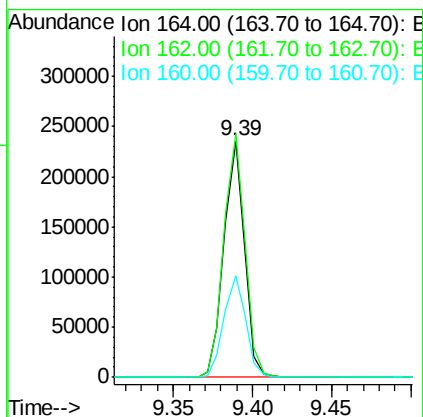
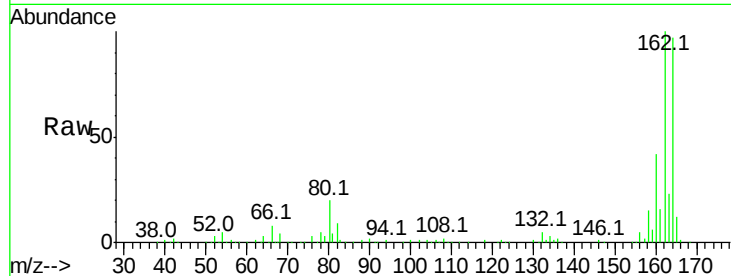




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.39 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: BF094554.D
 Acq: 20 Apr 2017 19:38

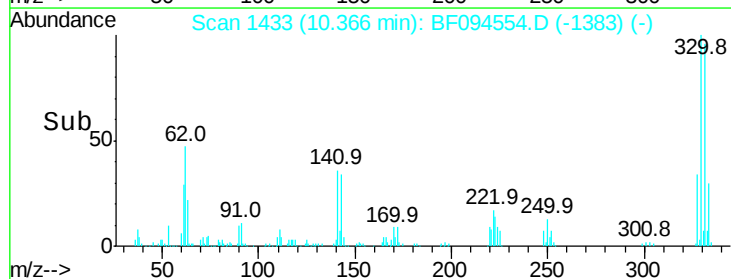
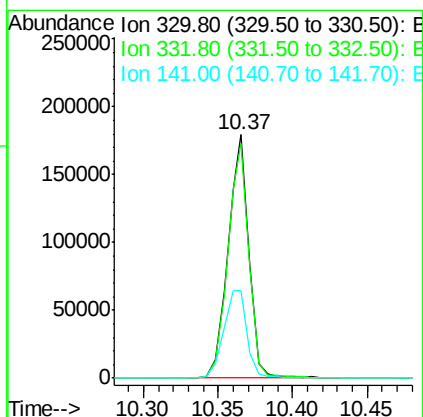
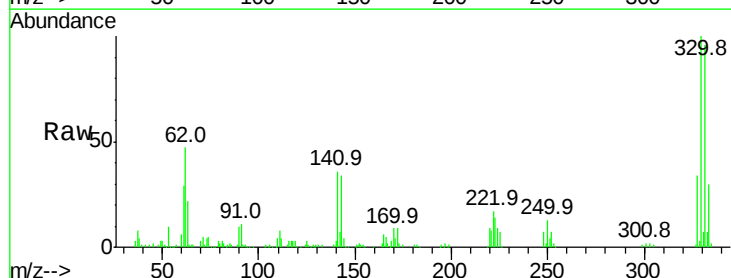
Instrument :
 BNA_F
 ClientSampleId :

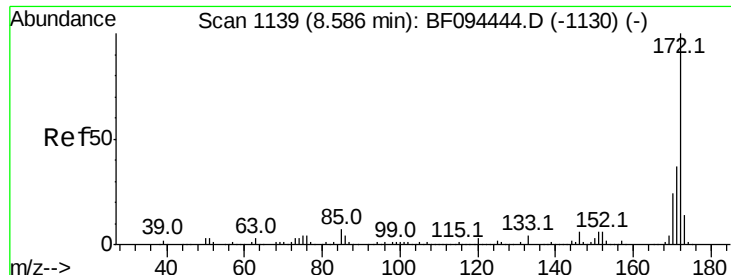
Tot Ion:164 Resp: 212933
 Ion Ratio Lower Upper
 164 100
 162 103.0 82.6 123.8
 160 43.1 36.2 54.2



#41
 2,4,6-Tribromophenol
 Concen: 105.90 ng
 RT: 10.37 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: BF094554.D
 Acq: 20 Apr 2017 19:38

Tgt Ion:330 Resp: 176378
 Ion Ratio Lower Upper
 330 100
 332 97.7 76.6 115.0
 141 40.7 31.4 47.2

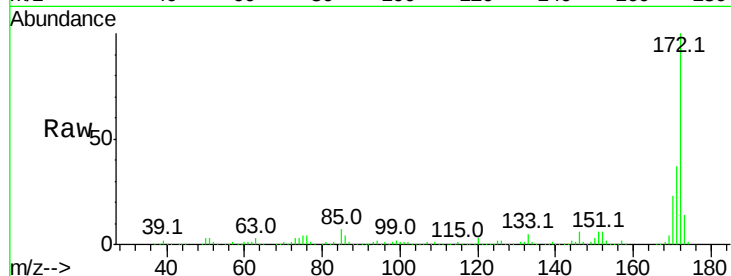




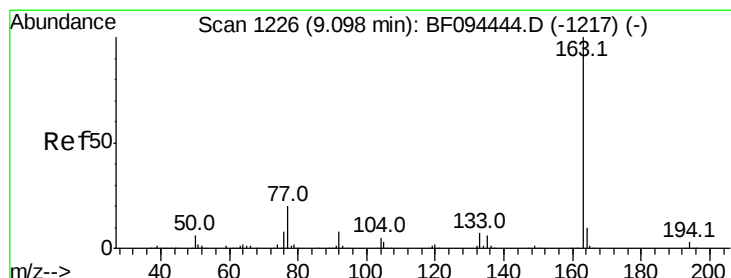
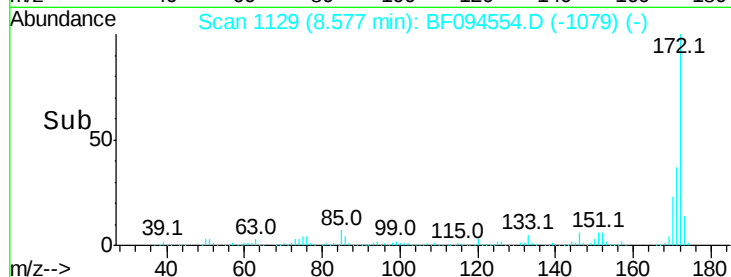
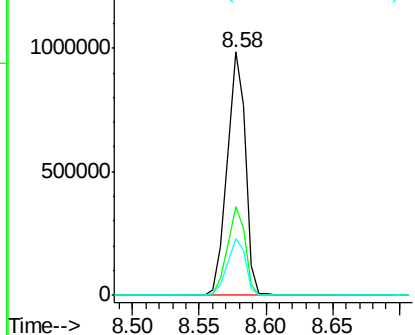
#44
2-Fluorobiphenyl
Concen: 66.26 ng
RT: 8.58 min Scan# 1129
Delta R.T. -0.01 min
Lab File: BF094554.D
Acq: 20 Apr 2017 19:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 958948
Ion Ratio Lower Upper
172 100
171 36.6 29.6 44.4
170 23.2 19.8 29.8

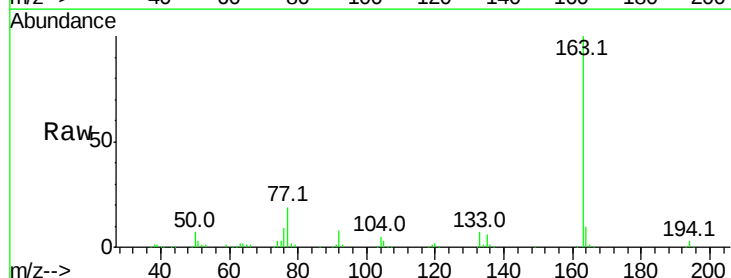


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

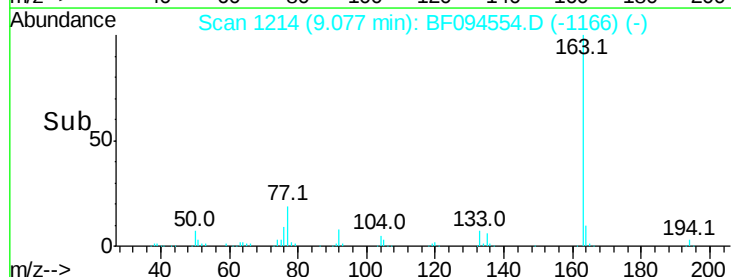
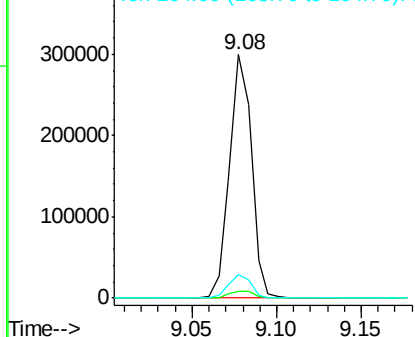


#49
Dimethylphthalate
Concen: 17.07 ng
RT: 9.08 min Scan# 1214
Delta R.T. -0.02 min
Lab File: BF094554.D
Acq: 20 Apr 2017 19:38

Tgt Ion:163 Resp: 270914
Ion Ratio Lower Upper
163 100
194 3.1 2.6 4.0
164 9.9 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

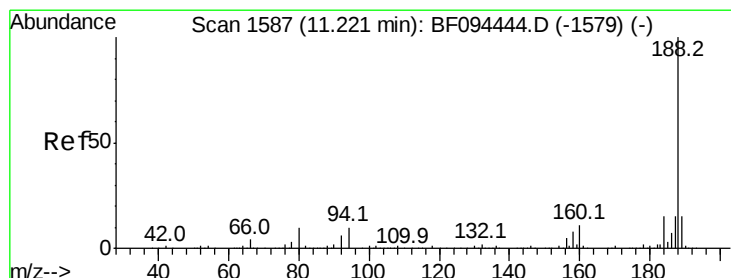
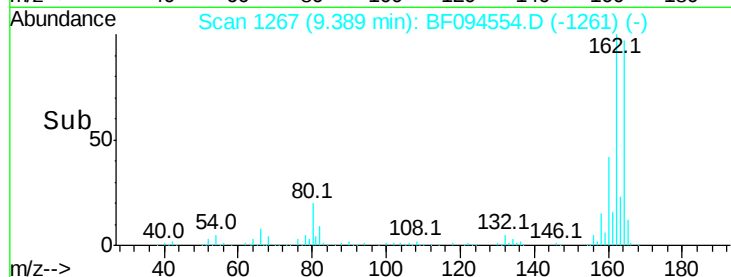
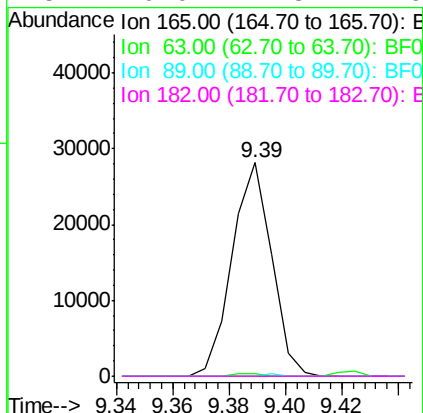
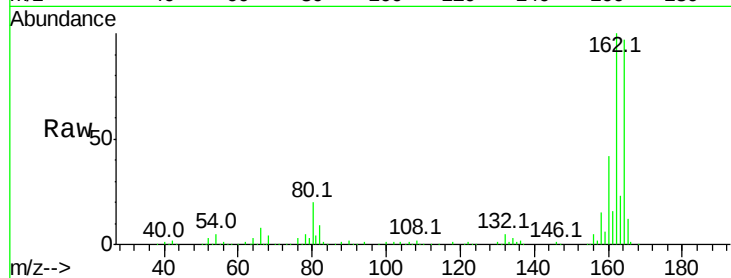




#56
 2,4-Dinitrotoluene
 Concen: 6.25 ng
 RT: 9.39 min Scan# 1267
 Delta R.T. -0.27 min
 Lab File: BF094554.D
 Acq: 20 Apr 2017 19:38

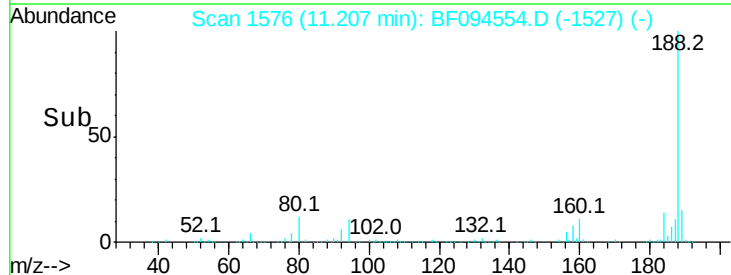
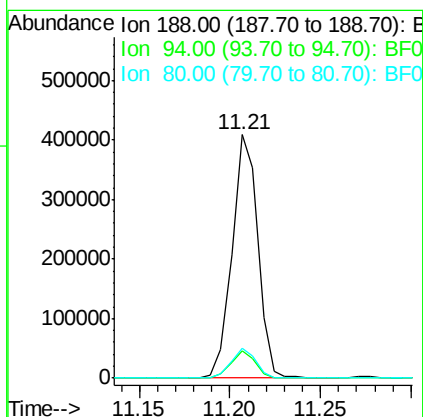
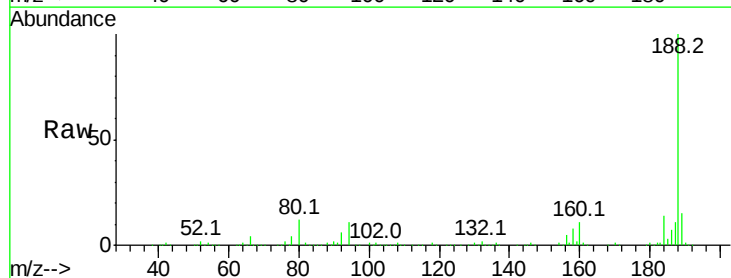
Instrument :
 BNA_F
 ClientSampleId :

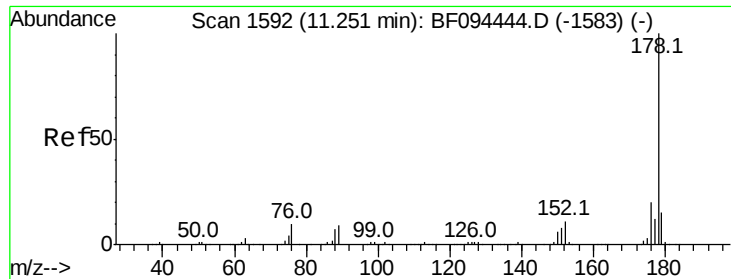
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	25.4	38.0#
89	0.0	46.4	69.6#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.21 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF094554.D
 Acq: 20 Apr 2017 19:38

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.0	9.4	14.2
80	12.1	10.2	15.2

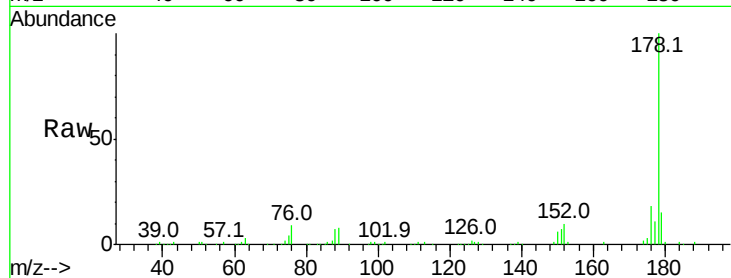




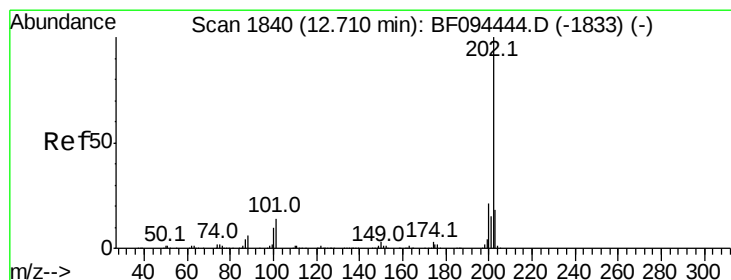
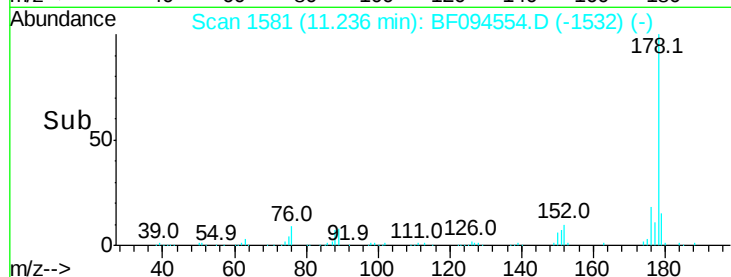
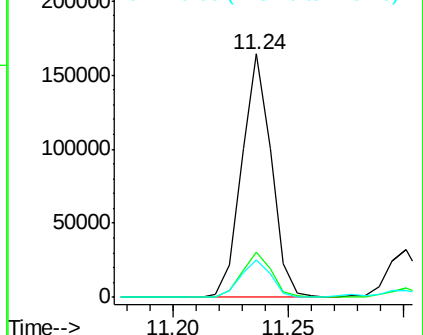
#70
Phenanthrene
Concen: 6.48 ng
RT: 11.24 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF094554.D
Acq: 20 Apr 2017 19:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 147145
Ion Ratio Lower Upper
178 100
176 18.5 16.2 24.4
179 15.4 12.6 19.0

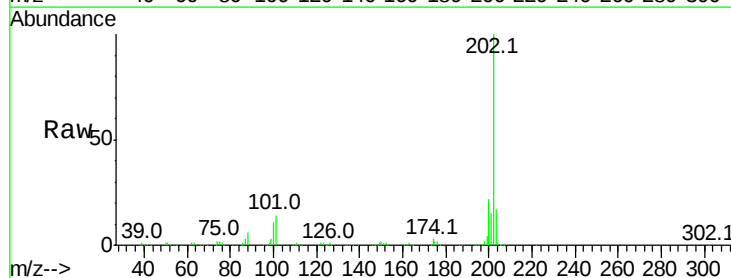


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

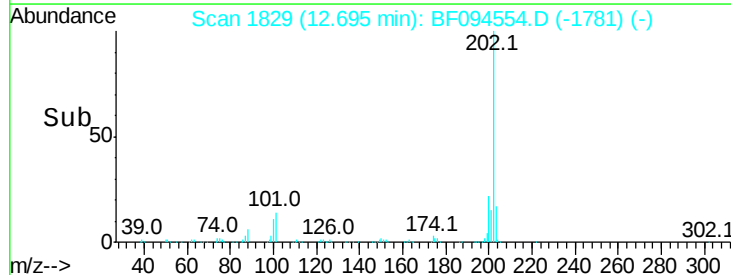
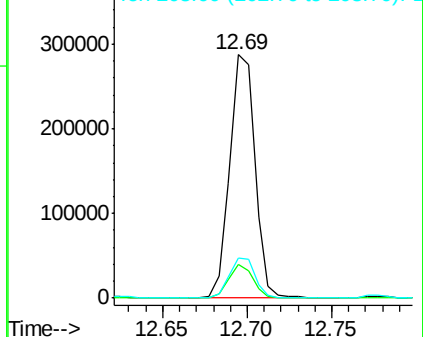


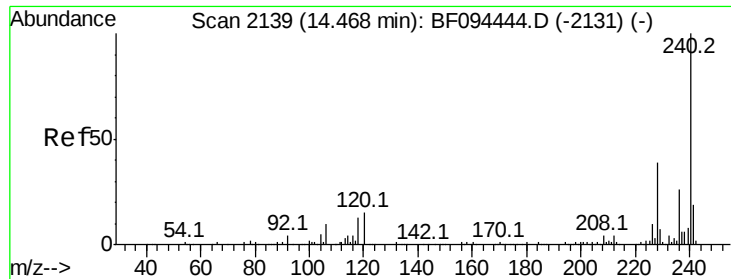
#74
Fluoranthene
Concen: 12.70 ng
RT: 12.69 min Scan# 1829
Delta R.T. -0.01 min
Lab File: BF094554.D
Acq: 20 Apr 2017 19:38

Tgt Ion:202 Resp: 299166
Ion Ratio Lower Upper
202 100
101 13.9 0.0 33.2
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: 14.46 min Scan# 2129

Delta R.T. -0.01 min

Lab File: BF094554.D

Acq: 20 Apr 2017 19:38

Instrument :

BNA_F

ClientSampleId :

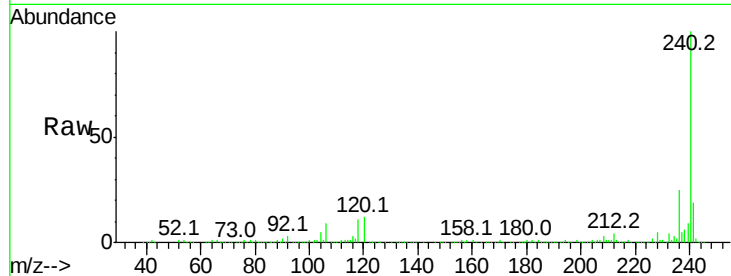
Tot Ion:240 Resp: 340855

Ion Ratio Lower Upper

240 100

120 12.2 5.8 8.8#

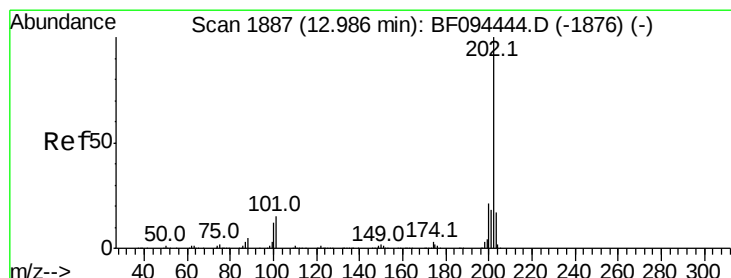
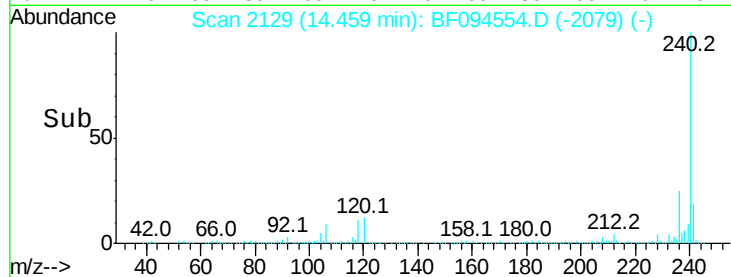
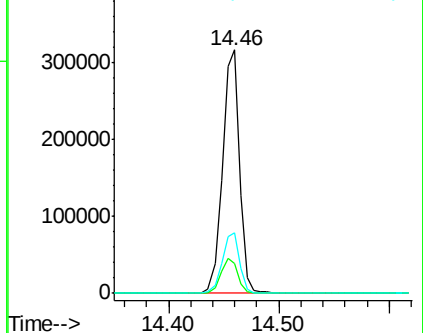
236 25.0 20.5 30.7



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

Pyrene

Concen: 12.71 ng

RT: 12.97 min Scan# 1876

Delta R.T. -0.01 min

Lab File: BF094554.D

Acq: 20 Apr 2017 19:38

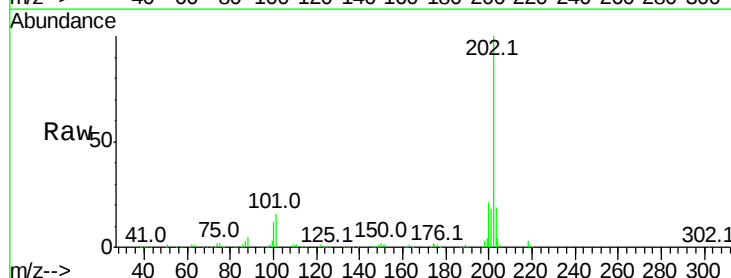
Tgt Ion:202 Resp: 302740

Ion Ratio Lower Upper

202 100

200 21.3 17.6 26.4

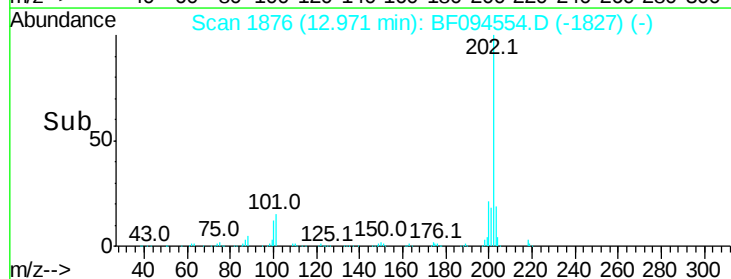
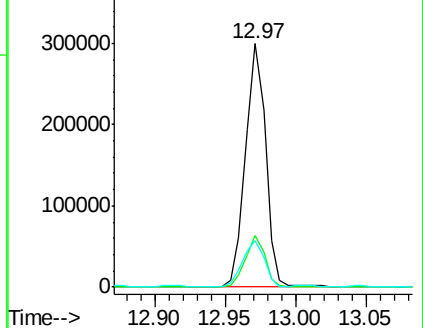
203 19.2 14.4 21.6

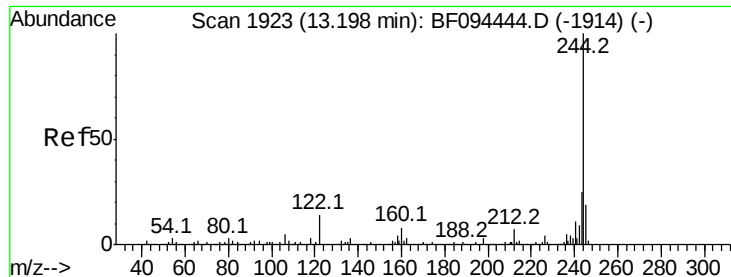


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 70.42 ng

RT: 13.19 min Scan# 1913

Delta R.T. -0.01 min

Lab File: BF094554.D

Acq: 20 Apr 2017 19:38

Instrument :

BNA_F

ClientSampleId :

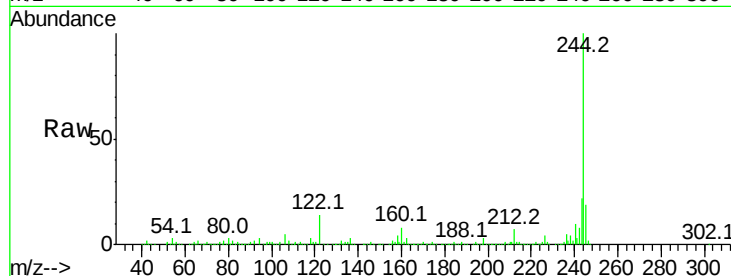
Tot Ion:244 Resp: 898040

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

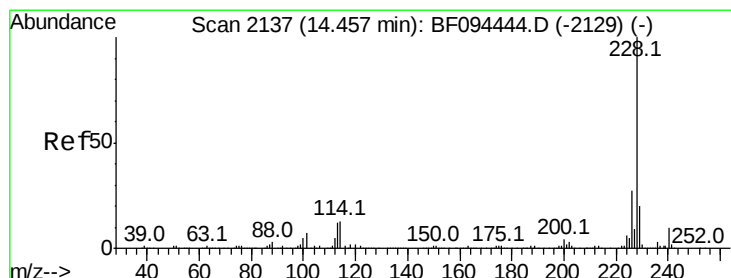
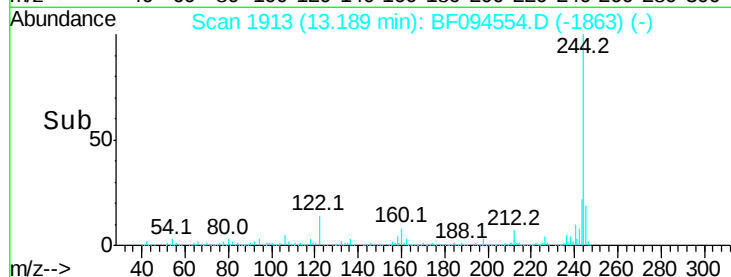
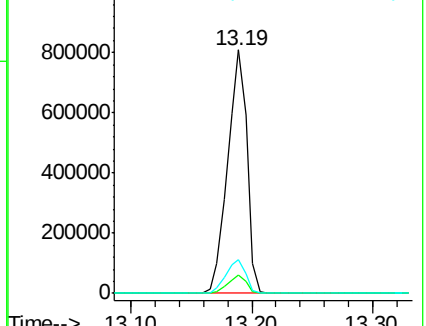
122 14.0 10.3 15.5



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: 6.52 ng

RT: 14.44 min Scan# 2126

Delta R.T. -0.01 min

Lab File: BF094554.D

Acq: 20 Apr 2017 19:38

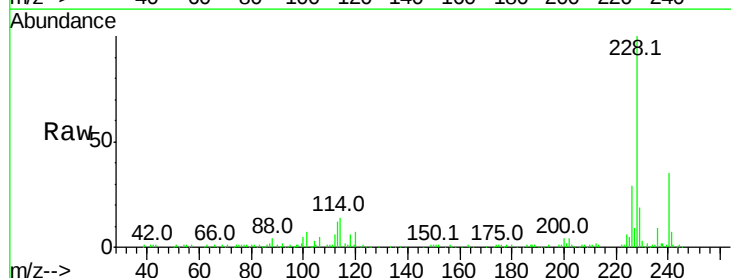
Tgt Ion:228 Resp: 129228

Ion Ratio Lower Upper

228 100

226 28.6 22.6 33.8

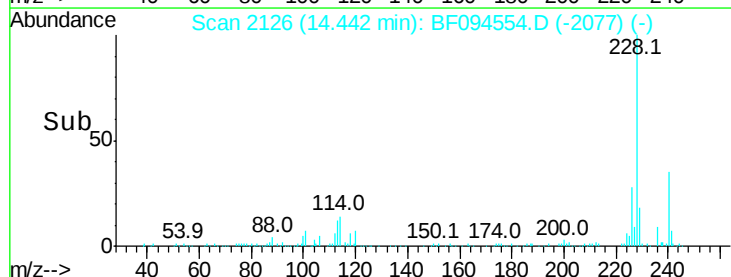
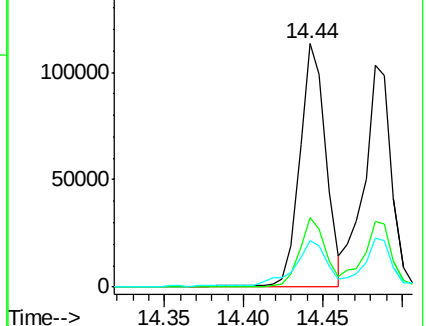
229 19.0 16.3 24.5

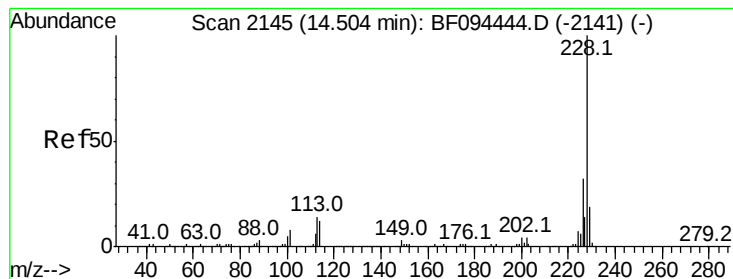


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 6.92 ng

RT: 14.48 min Scan# 2133

Delta R.T. -0.02 min

Lab File: BF094554.D

Acq: 20 Apr 2017 19:38

Instrument :

BNA_F

ClientSampled :

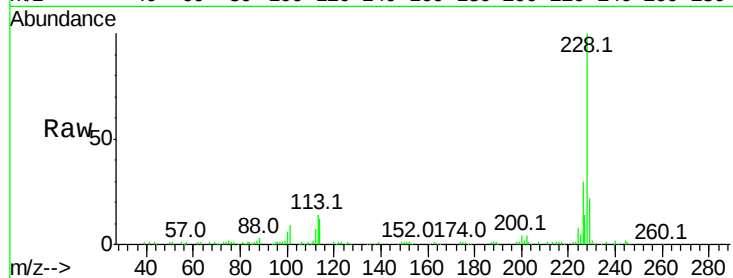
Tot Ion:228 Resp: 125356

Ion Ratio Lower Upper

228 100

226 29.6 24.9 37.3

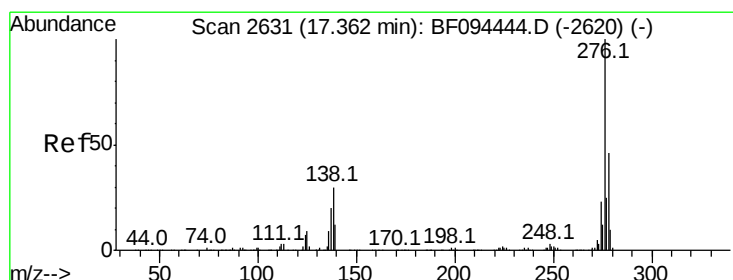
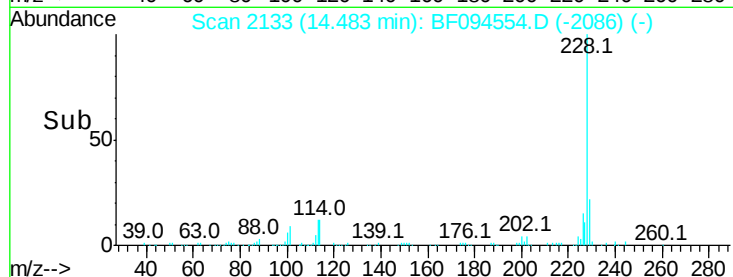
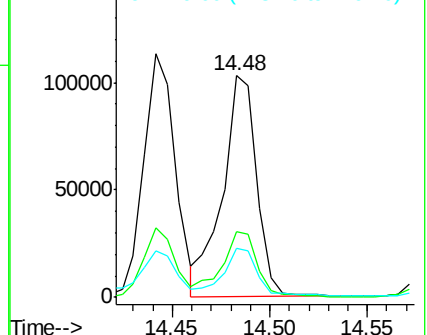
229 22.2 15.8 23.6



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.16 ng

RT: 17.35 min Scan# 2620

Delta R.T. -0.01 min

Lab File: BF094554.D

Acq: 20 Apr 2017 19:38

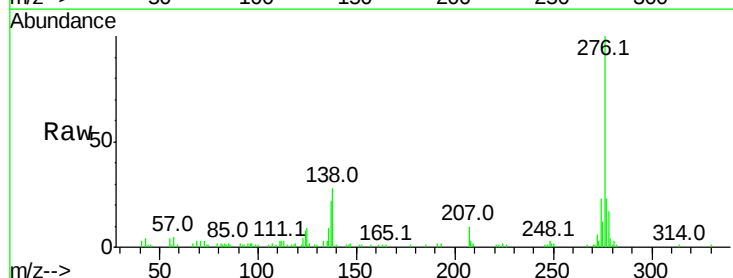
Tgt Ion:276 Resp: 54421

Ion Ratio Lower Upper

276 100

138 36.2 27.8 41.6

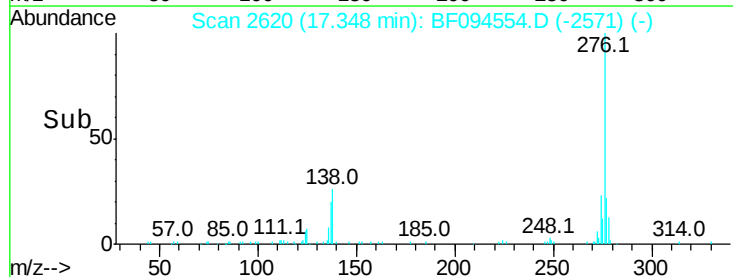
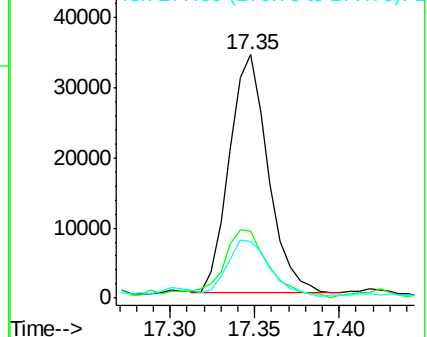
277 25.7 20.2 30.4

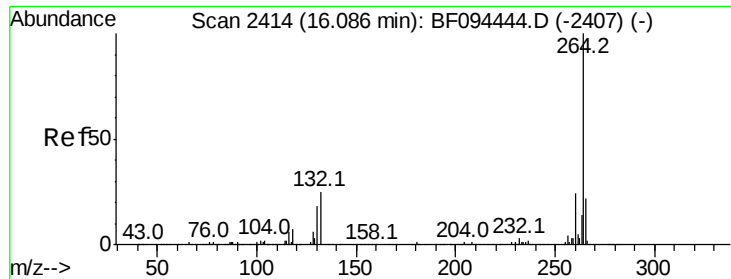


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

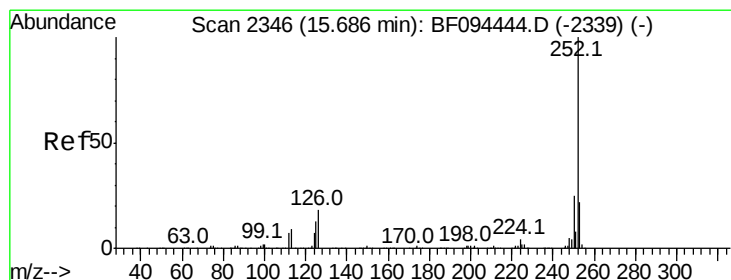
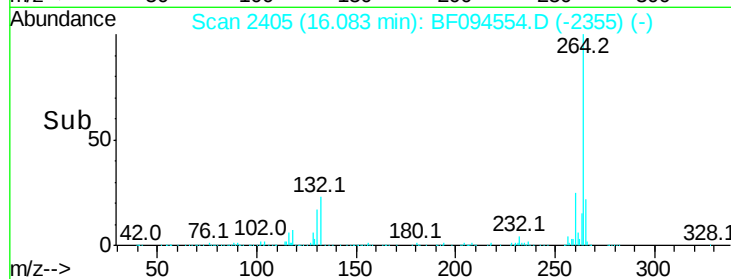
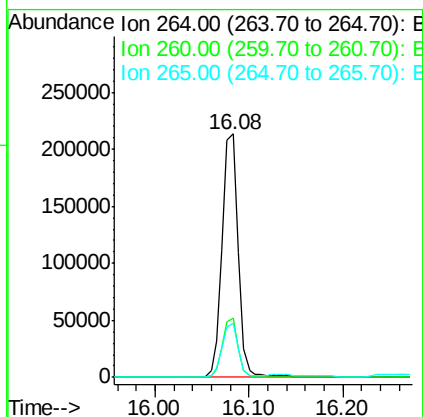
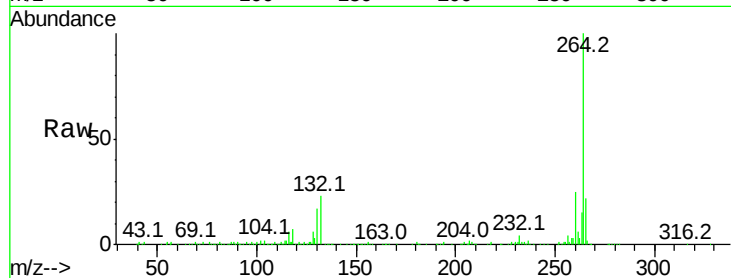




#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.08 min Scan# 2405
Delta R.T. -0.00 min
Lab File: BF094554.D
Acq: 20 Apr 2017 19:38

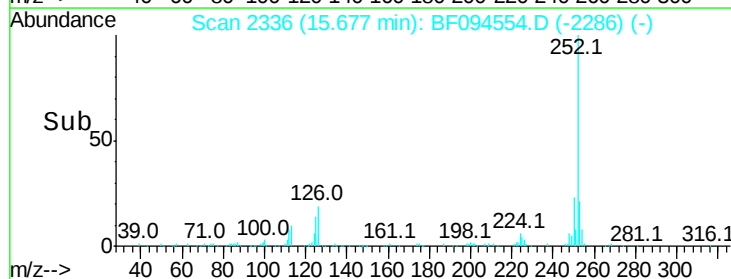
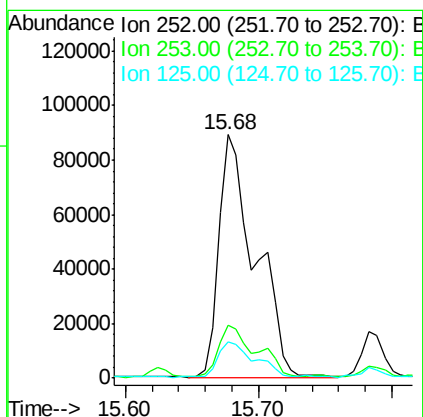
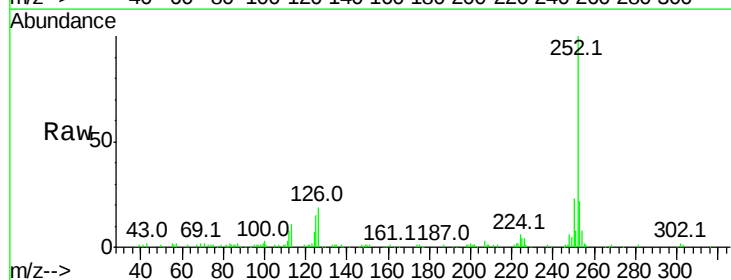
Instrument :
BNA_F
ClientSampleId :

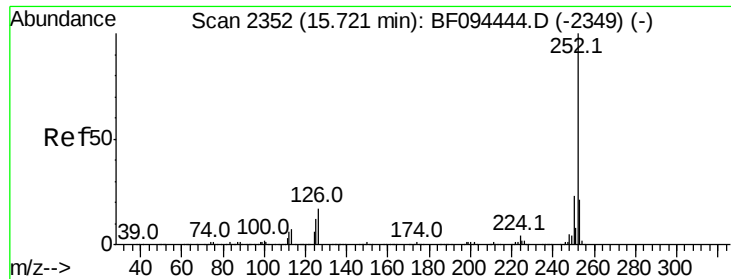
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.5	29.3
265	22.0	17.2	25.8



#87
Benzo(b)fluoranthene
Concen: 10.78 ng
RT: 15.68 min Scan# 2336
Delta R.T. -0.01 min
Lab File: BF094554.D
Acq: 20 Apr 2017 19:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.1	27.1
125	14.9	9.8	14.8#

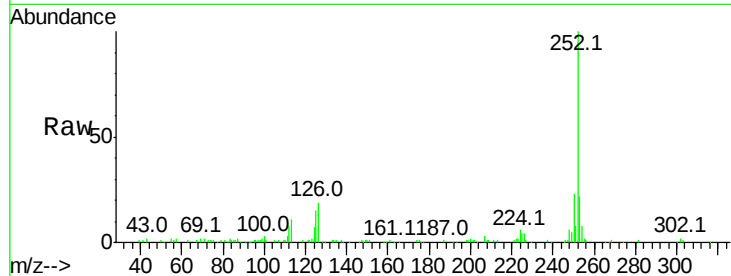




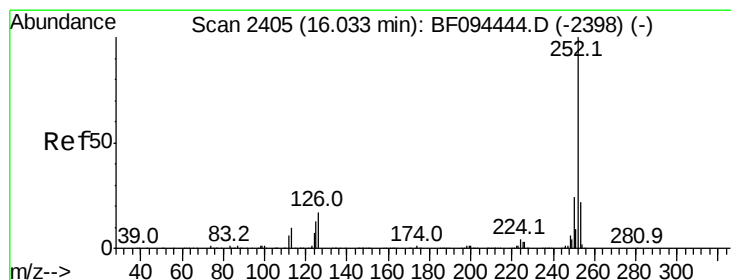
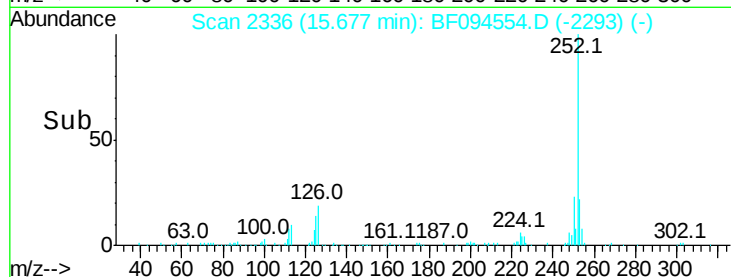
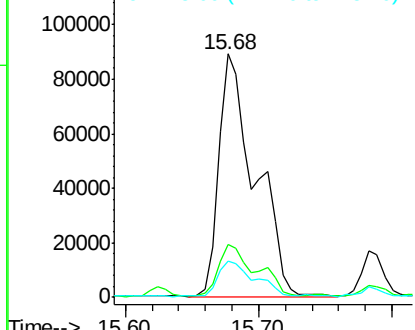
#88
Benzo(k)fluoranthene
Concen: 11.39 ng
RT: 15.68 min Scan# 2336
Delta R.T. -0.04 min
Lab File: BF094554.D
Acq: 20 Apr 2017 19:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 169400
Ion Ratio Lower Upper
252 100
253 21.7 18.4 27.6
125 14.9 13.1 19.7

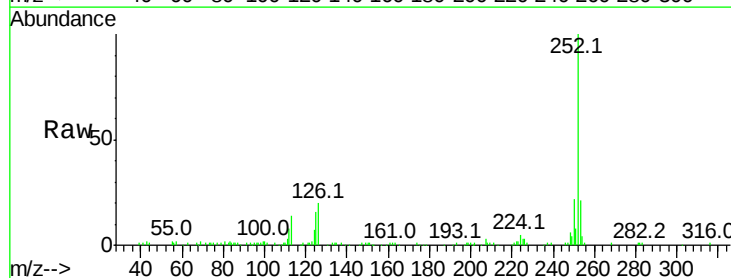


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

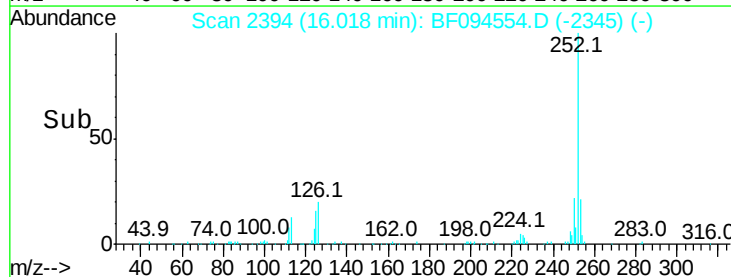
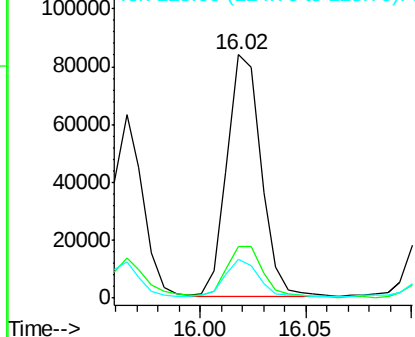


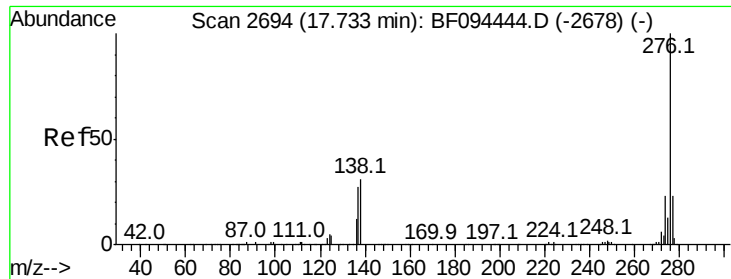
#89
Benzo(a)pyrene
Concen: 6.43 ng
RT: 16.02 min Scan# 2394
Delta R.T. -0.01 min
Lab File: BF094554.D
Acq: 20 Apr 2017 19:38

Tgt Ion:252 Resp: 94024
Ion Ratio Lower Upper
252 100
253 21.4 17.5 26.3
125 16.1 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

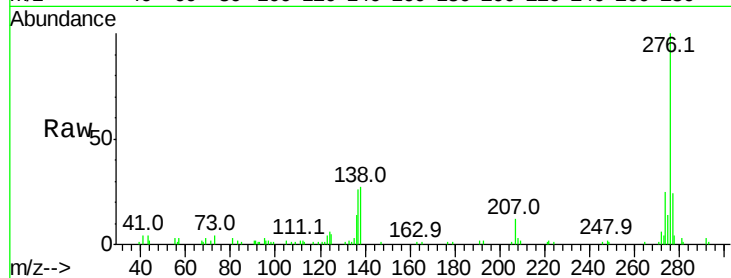




#91
 Benzo(a,h,i)perylene
 Concen: 4.69 ng
 RT: 17.72 min Scan# 2683
 Delta R.T. -0.01 min
 Lab File: BF094554.D
 Acq: 20 Apr 2017 19:38

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.6	28.0
138	26.6	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

