

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041717\
 Data File : BF094469.D
 Acq On : 18 Apr 2017 00:21
 Operator : SJ/MA
 Sample : I2708-08 10X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 18 04:37:26 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

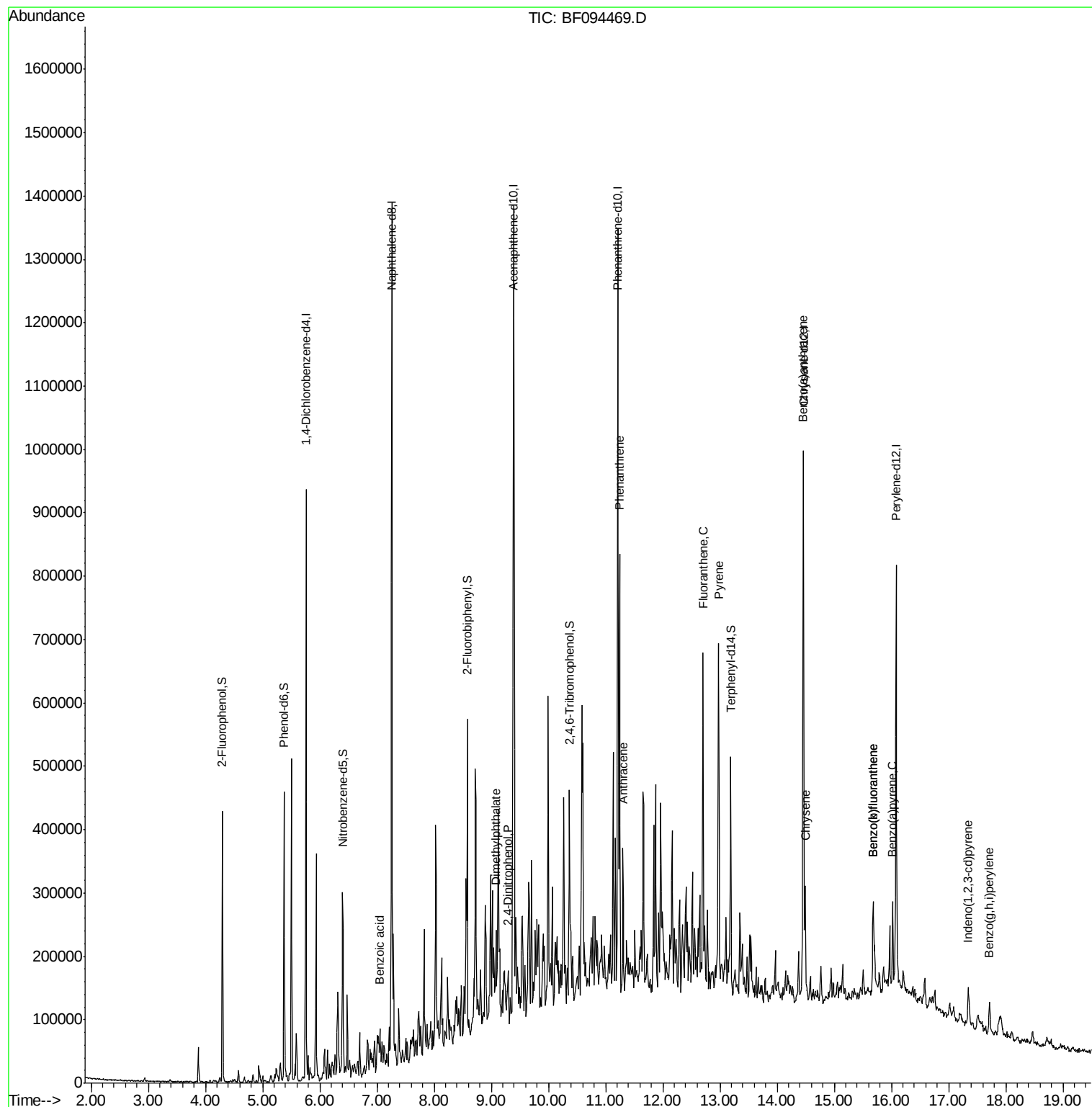
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.76	152	151285	20.00	ng	0.00
21) Naphthalene-d8	7.26	136	643705	20.00	ng	0.00
38) Acenaphthene-d10	9.39	164	274730	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	475138	20.00	ng	0.00
75) Chrysene-d12	14.46	240	322974	20.00	ng	0.00
86) Perylene-d12	16.08	264	270874	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.29	112	122399	13.42	ng	-0.01
7) Phenol-d6	5.37	99	154684	14.39	ng	-0.02
23) Nitrobenzene-d5	6.40	82	91416	8.77	ng	-0.02
41) 2,4,6-Tribromophenol	10.36	330	25498	11.87	ng	-0.01
44) 2-Fluorobiphenyl	8.58	172	172536	9.24	ng	0.00
78) Terphenyl-d14	13.19	244	117774	9.75	ng	-0.01
Target Compounds						Qvalue
32) Benzoic acid	7.05	122	16221	3.20	ng	# 18
49) Dimethylphthalate	9.08	163	57605	2.81	ng	99
53) 2,4-Dinitrophenol	9.29	184	130	5.81	ng	# 4
70) Phenanthrene	11.25	178	289401	10.82	ng	99
71) Anthracene	11.30	178	76341	2.76	ng	96
74) Fluoranthene	12.70	202	231753	8.36	ng	99
77) Pyrene	12.98	202	245455	10.88	ng	99
80) Benzo(a)anthracene	14.45	228	79610	4.24	ng	99
82) Chrysene	14.49	228	77554	4.52	ng	96
85) Indeno(1,2,3-cd)pyrene	17.34	276	36048	2.21	ng	# 87
87) Benzo(b)fluoranthene	15.68	252	96429	5.82	ng	# 96
88) Benzo(k)fluoranthene	15.68	252	96429	6.15	ng	99
89) Benzo(a)pyrene	16.02	252	56160	3.64	ng	98
91) Benzo(a,h,i)perylene	17.72	276	33633	2.58	ng	95

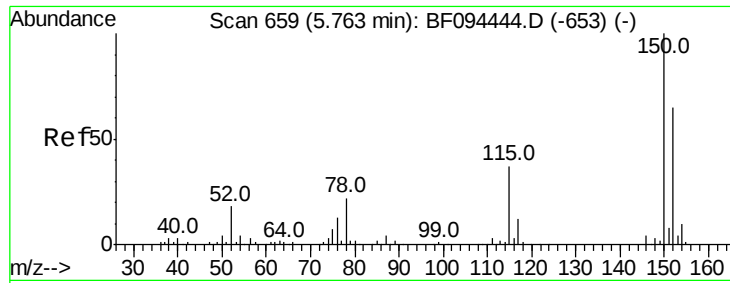
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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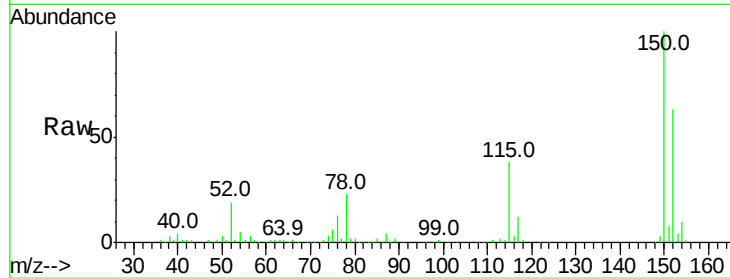


#1

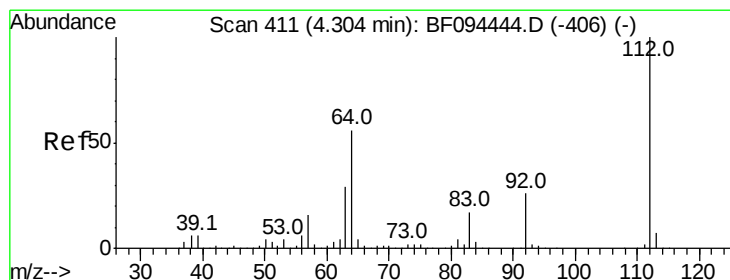
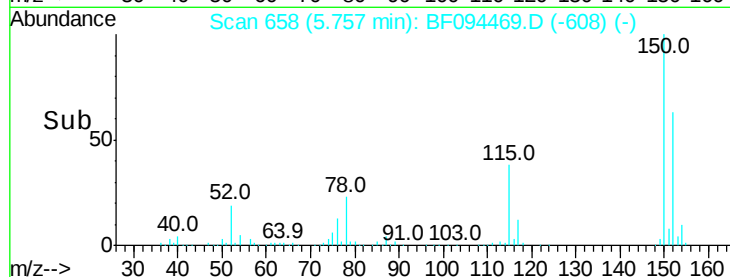
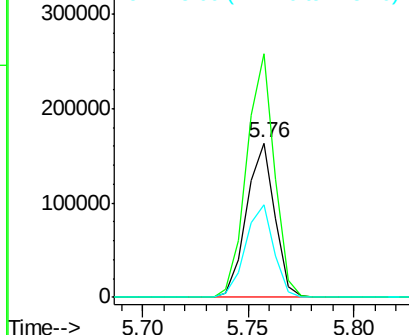
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.76 min Scan# 658
Delta R.T. -0.01 min
Lab File: BF094469.D
Acq: 18 Apr 2017 00:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 151285
Ion Ratio Lower Upper
152 100
150 158.1 126.2 189.2
115 60.3 52.2 78.2



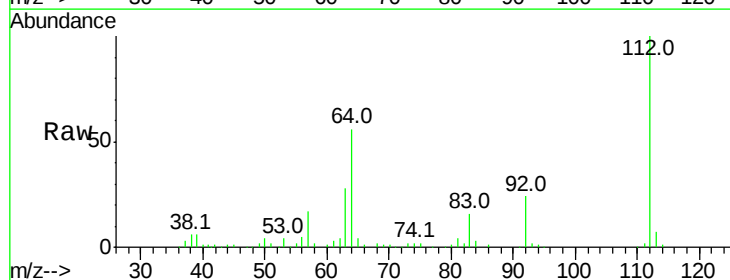
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



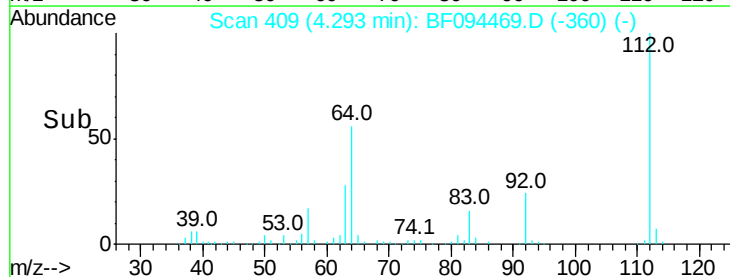
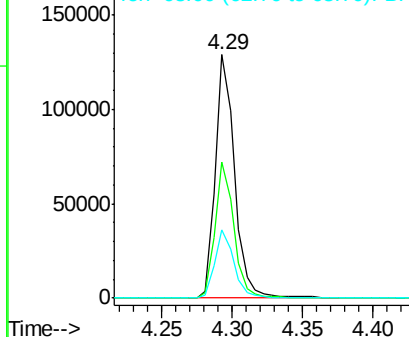
#5

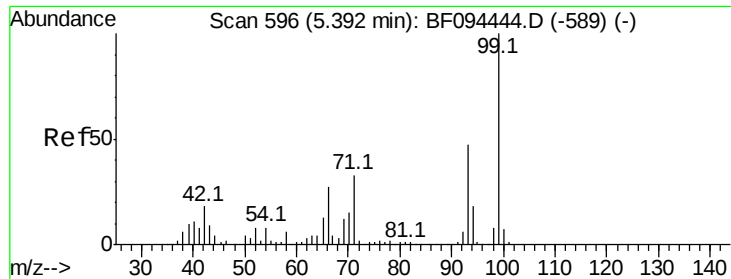
2-Fluorophenol
Concen: 13.42 ng
RT: 4.29 min Scan# 409
Delta R.T. -0.01 min
Lab File: BF094469.D
Acq: 18 Apr 2017 00:21

Tgt Ion:112 Resp: 122399
Ion Ratio Lower Upper
112 100
64 56.1 46.0 69.0
63 28.1 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: 14.39 ng

RT: 5.37 min Scan# 593

Delta R.T. -0.02 min

Lab File: BF094469.D

Acq: 18 Apr 2017 00:21

Instrument :

BNA_F

ClientSampleId :

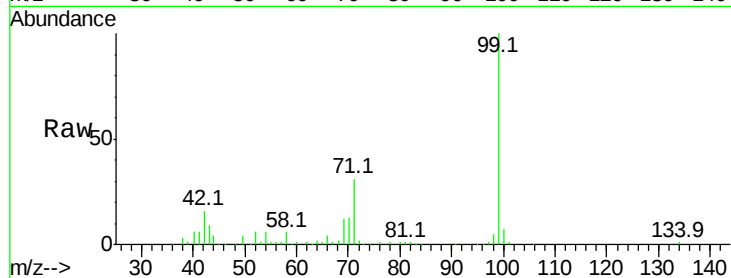
Tot Ion: 99 Resp: 154684

Ion Ratio Lower Upper

99 100

42 16.1 13.5 20.3

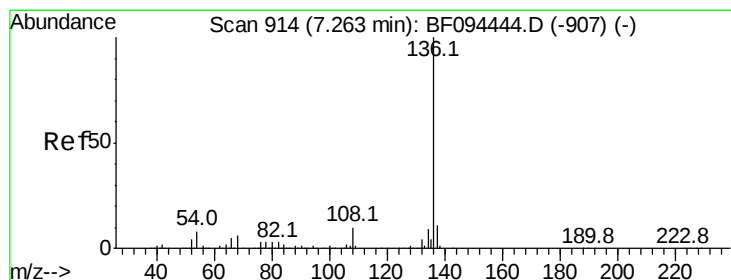
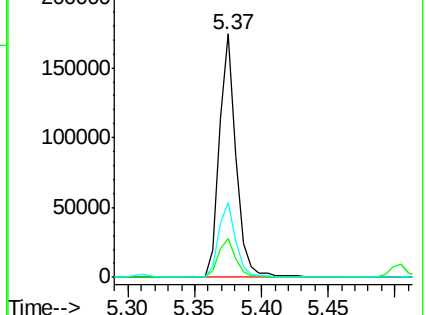
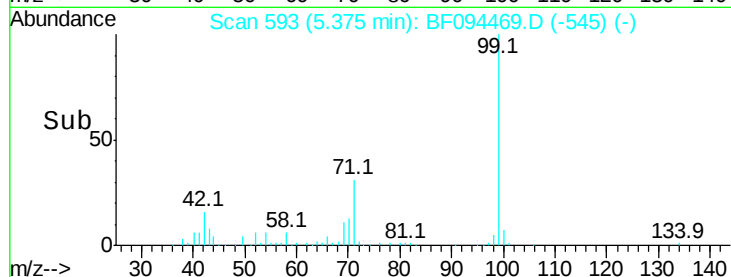
71 30.9 24.5 36.7



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.26 min Scan# 913

Delta R.T. -0.01 min

Lab File: BF094469.D

Acq: 18 Apr 2017 00:21

Tgt Ion: 136 Resp: 643705

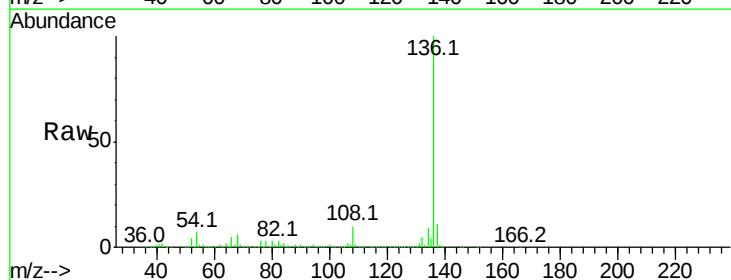
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 7.5 4.9 7.3#

68 5.6 4.1 6.1

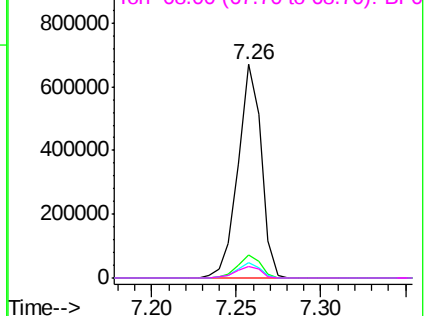
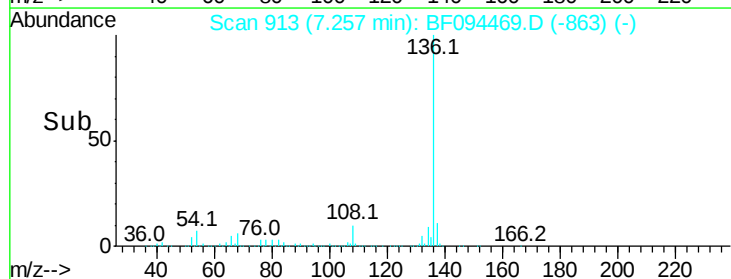


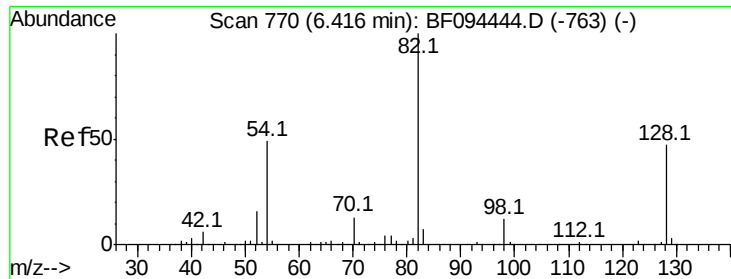
Abundance Ion 136.00 (135.70 to 136.70): E

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

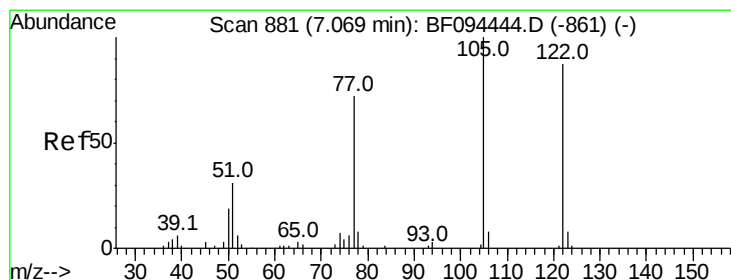
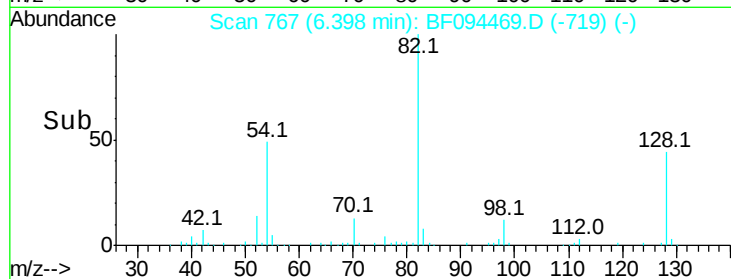
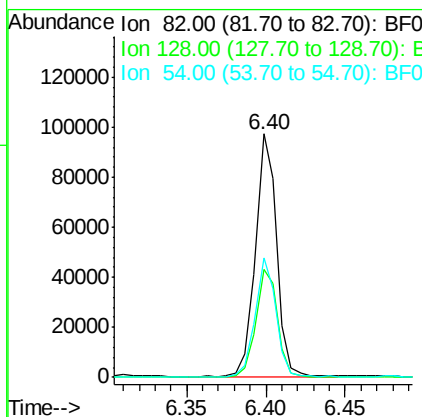
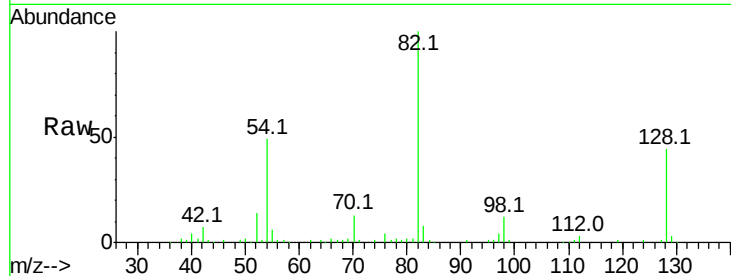




#23
 Nitrobenzene-d5
 Concen: 8.77 ng
 RT: 6.40 min Scan# 767
 Delta R.T. -0.02 min
 Lab File: BF094469.D
 Acq: 18 Apr 2017 00:21

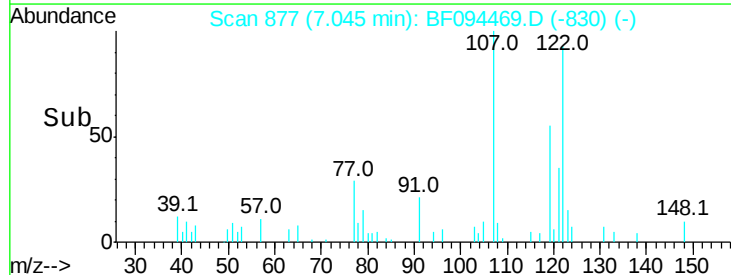
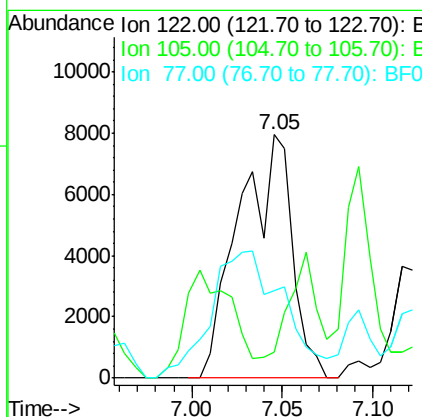
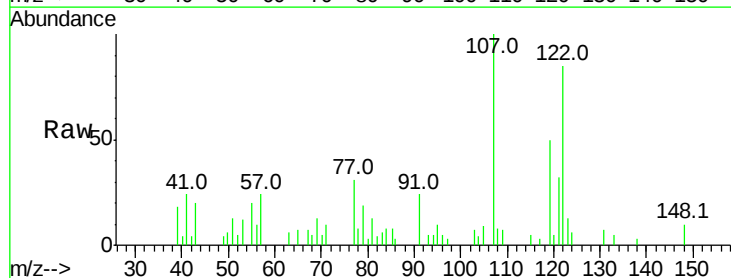
Instrument :
 BNA_F
 ClientSampleId :

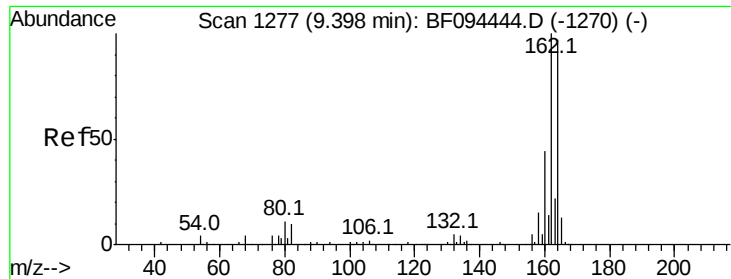
Tot Ion: 82 Resp: 91416
 Ion Ratio Lower Upper
 82 100
 128 44.4 34.0 51.0
 54 48.9 42.2 63.2



#32
 Benzoic acid
 Concen: 3.20 ng
 RT: 7.05 min Scan# 877
 Delta R.T. -0.02 min
 Lab File: BF094469.D
 Acq: 18 Apr 2017 00:21

Tgt Ion:122 Resp: 16221
 Ion Ratio Lower Upper
 122 100
 105 10.9 103.3 143.3#
 77 36.1 73.7 113.7#

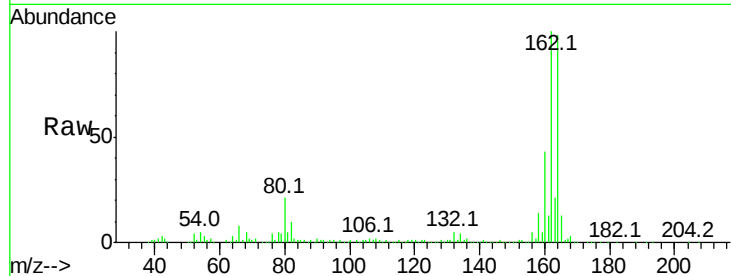




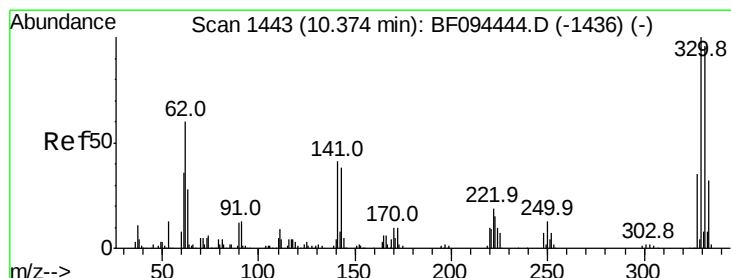
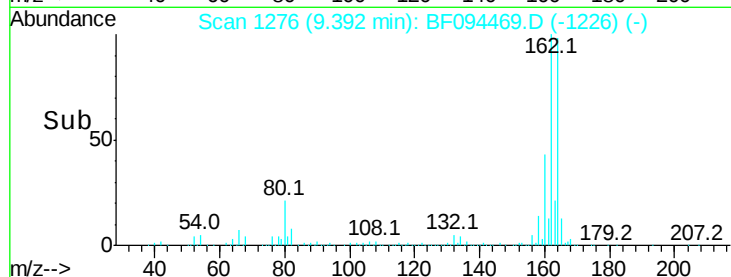
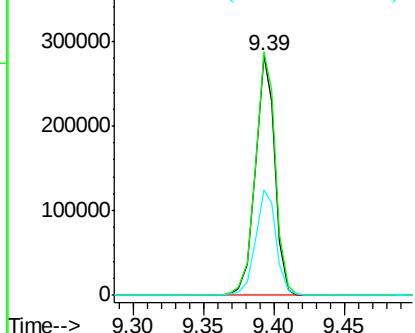
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.39 min Scan# 1276
 Delta R.T. -0.01 min
 Lab File: BF094469.D
 Acq: 18 Apr 2017 00:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 274730
 Ion Ratio Lower Upper
 164 100
 162 101.7 82.6 123.8
 160 44.0 36.2 54.2

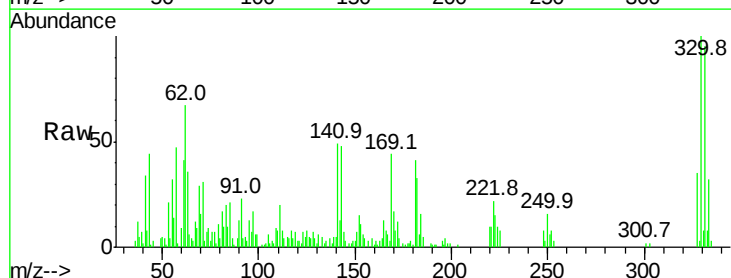


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

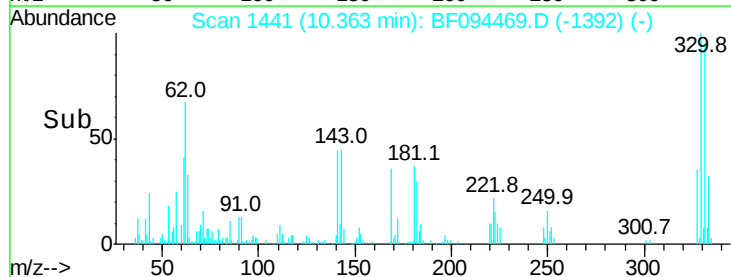
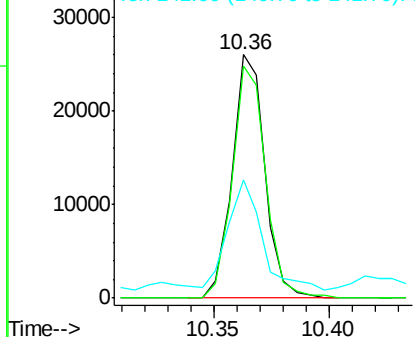


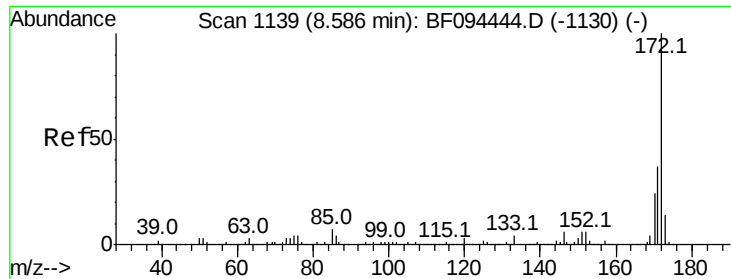
#41
 2,4,6-Tribromophenol
 Concen: 11.87 ng
 RT: 10.36 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: BF094469.D
 Acq: 18 Apr 2017 00:21

Tgt Ion:330 Resp: 25498
 Ion Ratio Lower Upper
 330 100
 332 97.5 76.6 115.0
 141 47.5 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

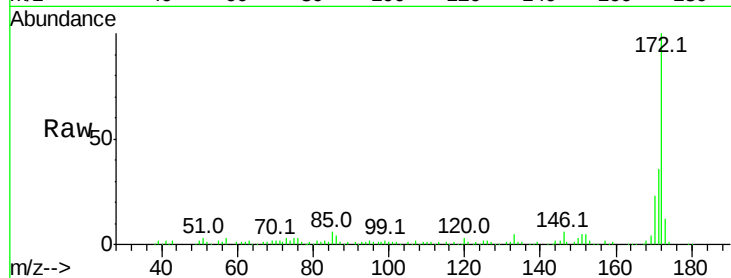




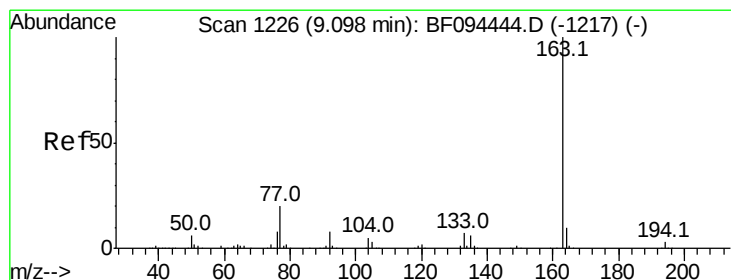
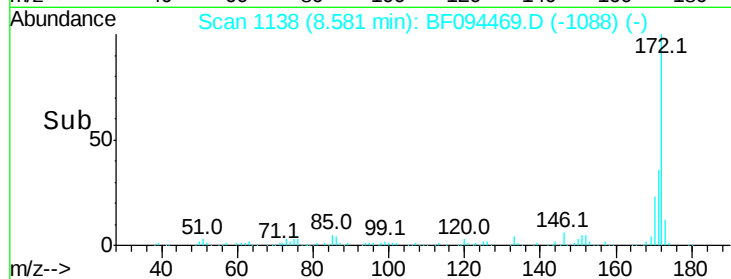
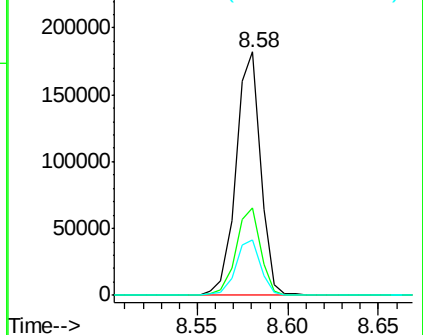
#44
2-Fluorobiphenyl
Concen: 9.24 ng
RT: 8.58 min Scan# 1138
Delta R.T. -0.01 min
Lab File: BF094469.D
Acq: 18 Apr 2017 00:21

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.6	44.4
170	22.8	19.8	29.8

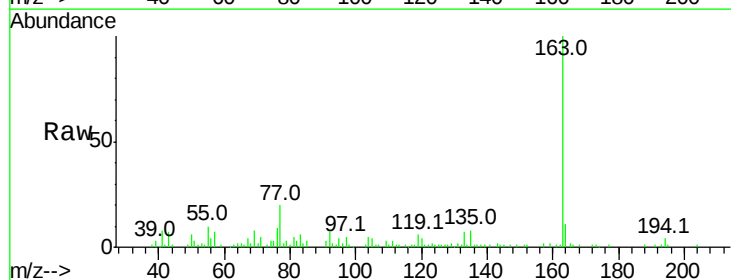


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

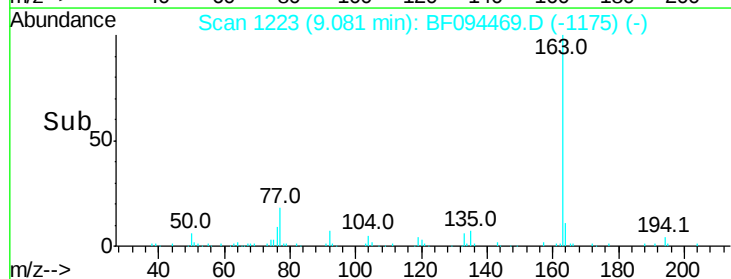
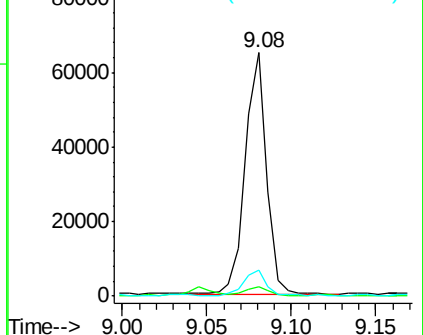


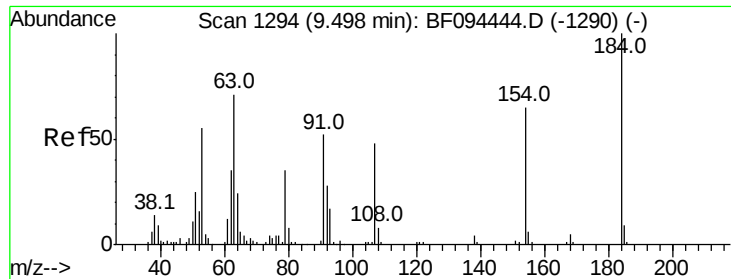
#49
Dimethylphthalate
Concen: 2.81 ng
RT: 9.08 min Scan# 1223
Delta R.T. -0.02 min
Lab File: BF094469.D
Acq: 18 Apr 2017 00:21

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.6	4.0
164	10.7	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

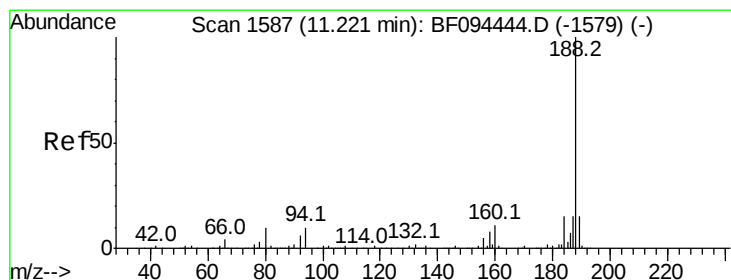
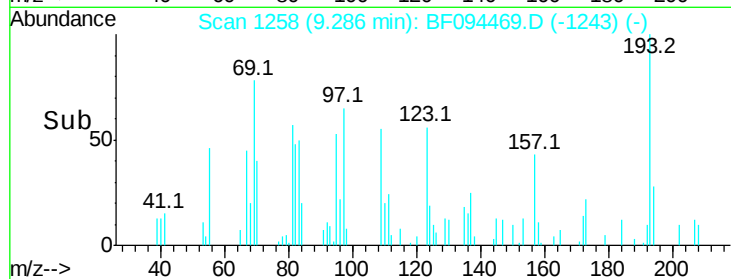
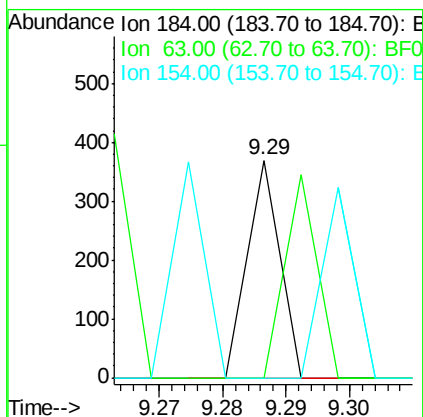
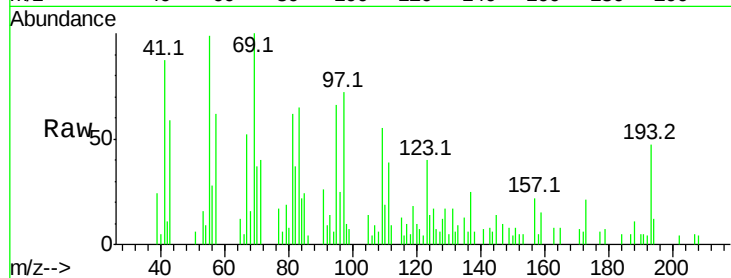




#53
 2,4-Dinitrophenol
 Concen: 5.81 ng
 RT: 9.29 min Scan# 1258
 Delta R.T. -0.21 min
 Lab File: BF094469.D
 Acq: 18 Apr 2017 00:21

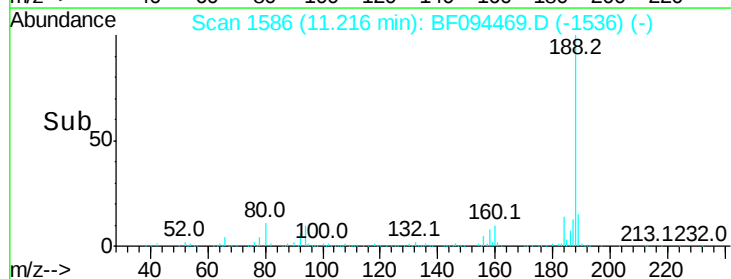
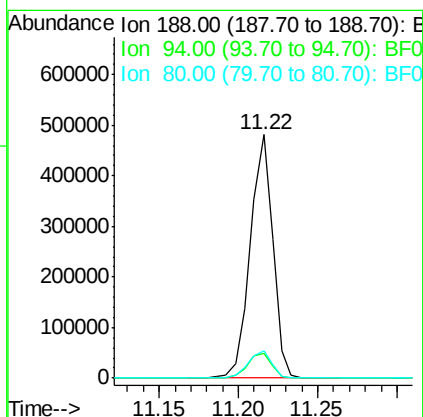
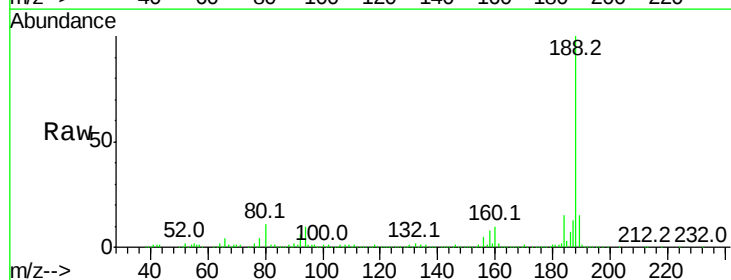
Instrument :
 BNA_F
 ClientSampled :

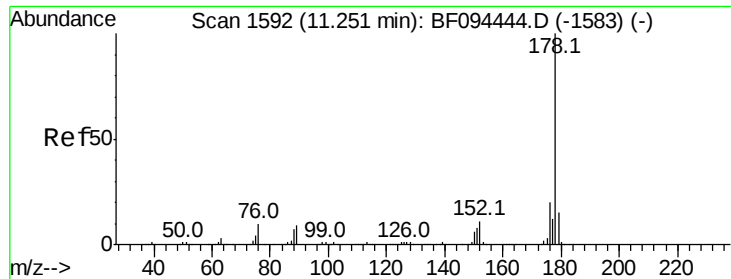
Tot Ion:184 Resp: 130
 Ion Ratio Lower Upper
 184 100
 63 0.0 62.7 94.1#
 154 0.0 81.1 121.7#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.22 min Scan# 1586
 Delta R.T. -0.01 min
 Lab File: BF094469.D
 Acq: 18 Apr 2017 00:21

Tgt Ion:188 Resp: 475138
 Ion Ratio Lower Upper
 188 100
 94 10.3 9.4 14.2
 80 11.4 10.2 15.2





#70

Phenanthrene

Concen: 10.82 ng

RT: 11.25 min Scan# 1591

Delta R.T. -0.01 min

Lab File: BF094469.D

Acq: 18 Apr 2017 00:21

Instrument :

BNA_F

ClientSampleId :

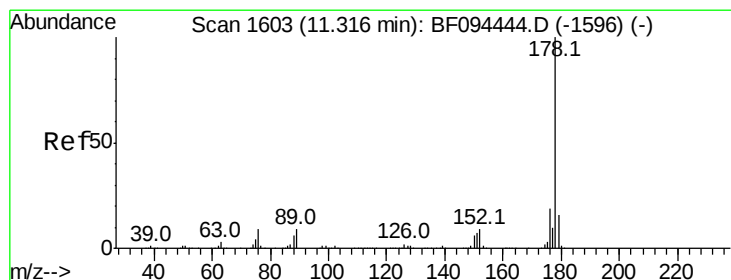
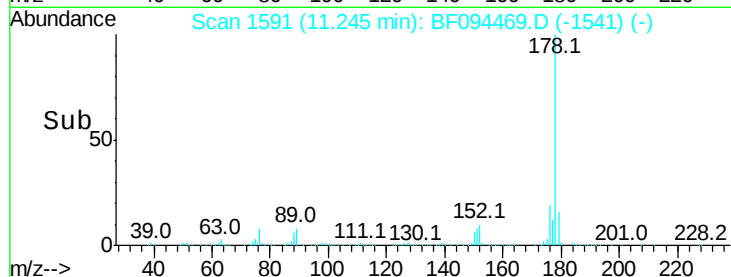
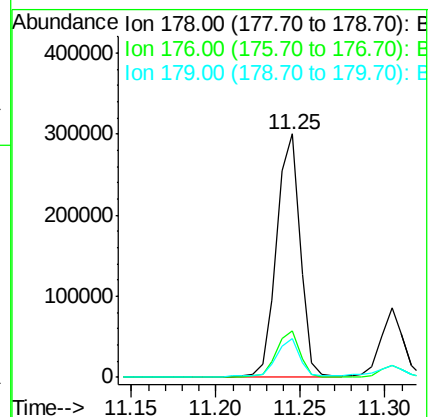
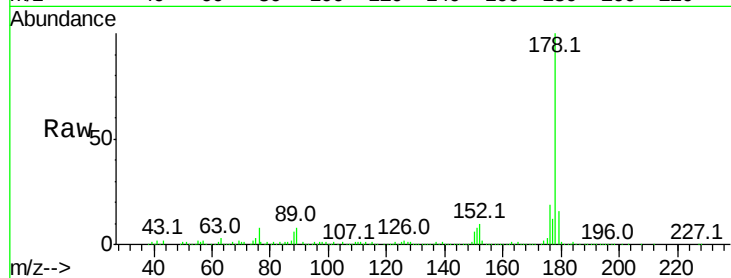
Tot Ion:178 Resp: 289401

Ion Ratio Lower Upper

178 100

176 19.3 16.2 24.4

179 16.1 12.6 19.0



#71

Anthracene

Concen: 2.76 ng

RT: 11.30 min Scan# 1601

Delta R.T. -0.01 min

Lab File: BF094469.D

Acq: 18 Apr 2017 00:21

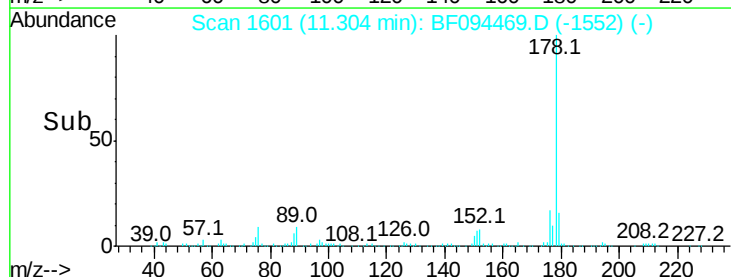
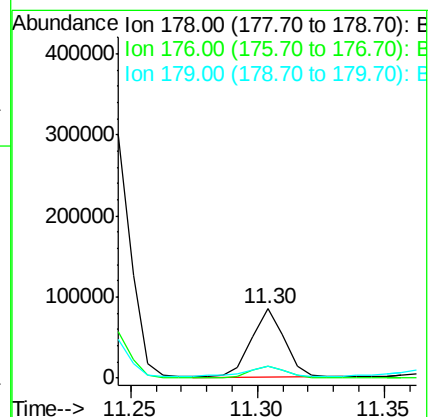
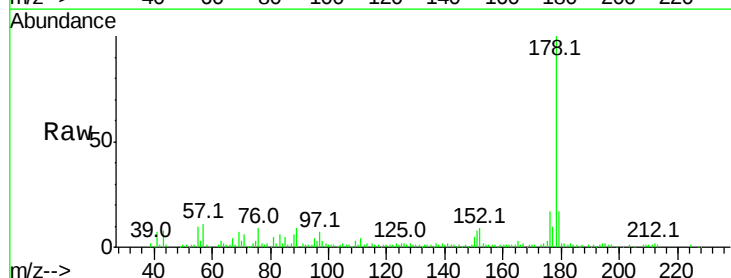
Tgt Ion:178 Resp: 76341

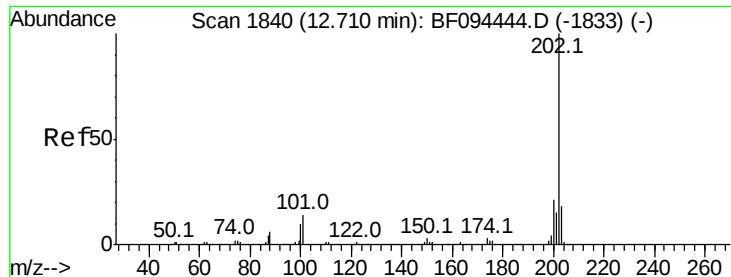
Ion Ratio Lower Upper

178 100

176 17.0 15.8 23.8

179 16.7 12.7 19.1





#74

Fluoranthene

Concen: 8.36 ng

RT: 12.70 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BF094469.D

Acq: 18 Apr 2017 00:21

Instrument :

BNA_F

ClientSampleId :

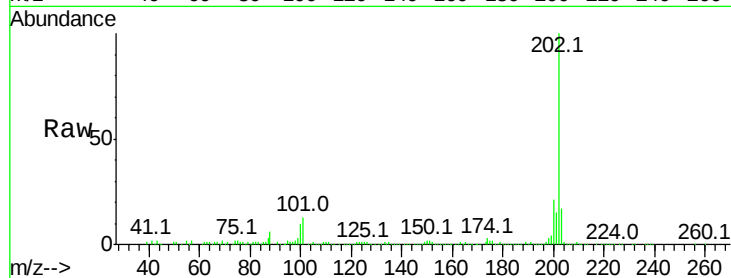
Tot Ion:202 Resp: 231753

Ion Ratio Lower Upper

202 100

101 13.1 0.0 33.2

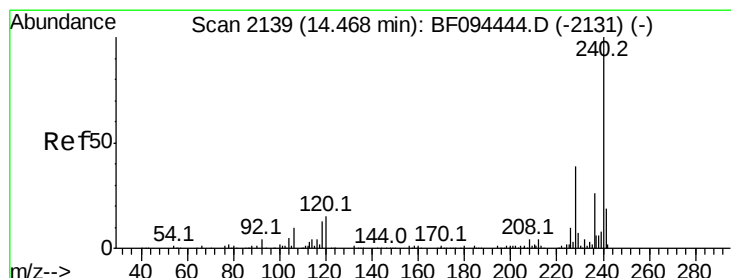
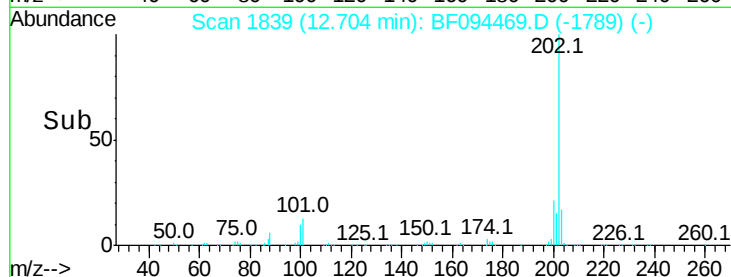
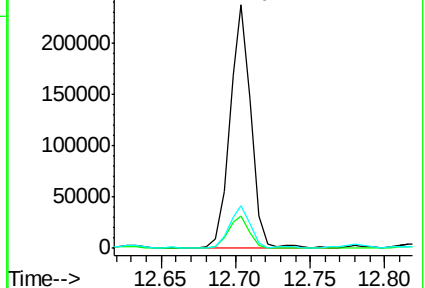
203 17.5 0.0 38.1



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# 2138

Delta R.T. -0.01 min

Lab File: BF094469.D

Acq: 18 Apr 2017 00:21

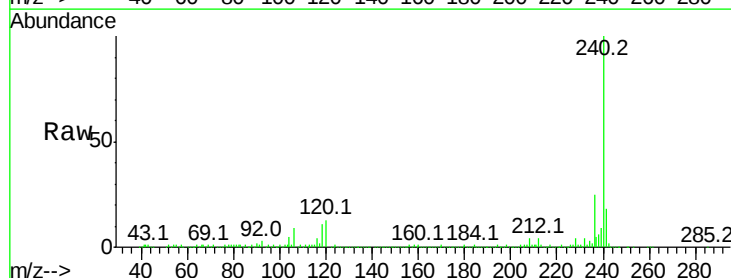
Tgt Ion:240 Resp: 322974

Ion Ratio Lower Upper

240 100

120 13.2 5.8 8.8#

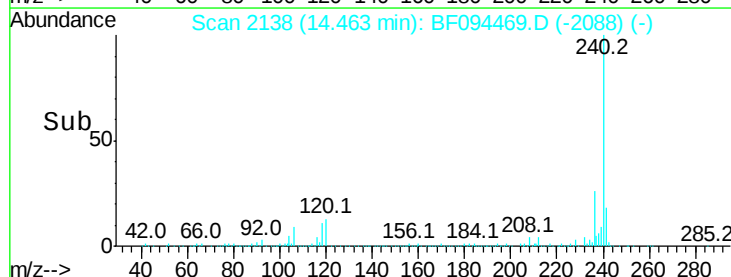
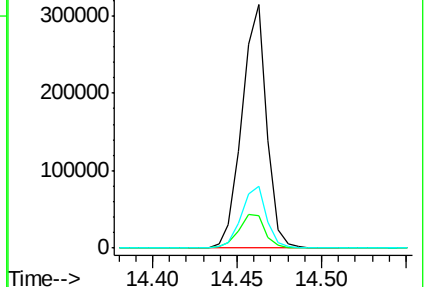
236 25.5 20.5 30.7

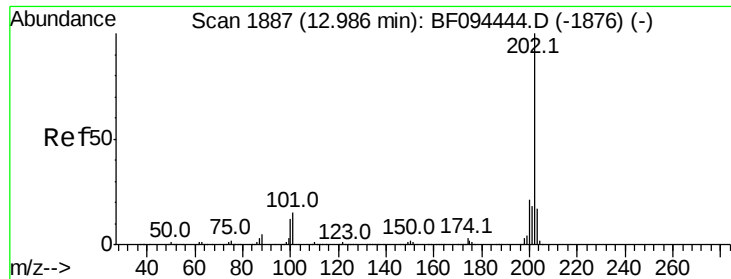


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 10.88 ng

RT: 12.98 min Scan# 1886

Delta R.T. -0.01 min

Lab File: BF094469.D

Acq: 18 Apr 2017 00:21

Instrument :

BNA_F

ClientSampleId :

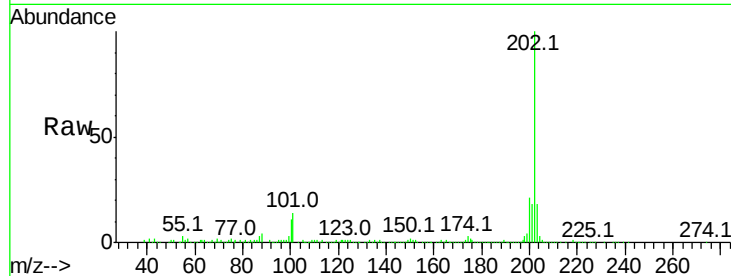
Tot Ion:202 Resp: 245455

Ion Ratio Lower Upper

202 100

200 20.8 17.6 26.4

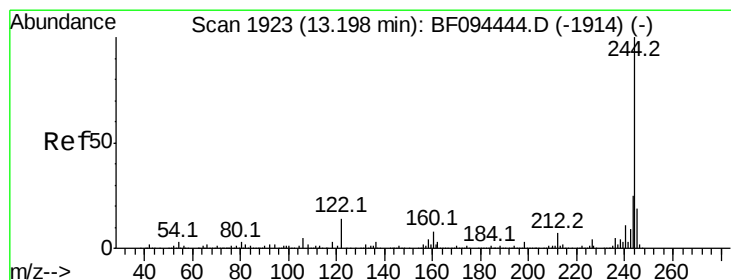
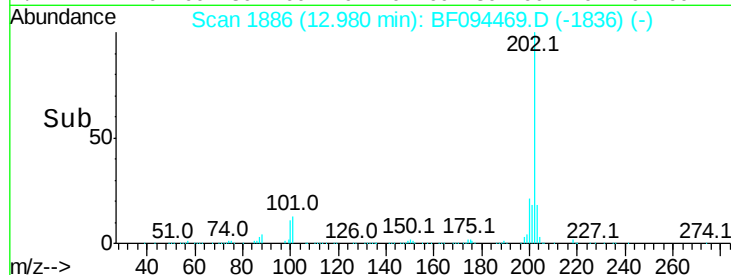
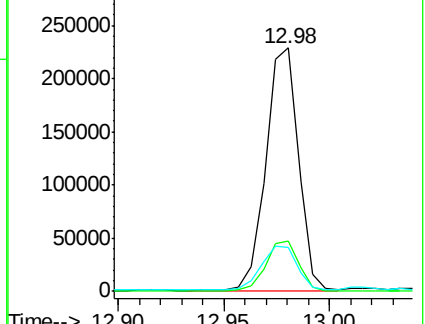
203 18.0 14.4 21.6



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: 9.75 ng

RT: 13.19 min Scan# 1921

Delta R.T. -0.01 min

Lab File: BF094469.D

Acq: 18 Apr 2017 00:21

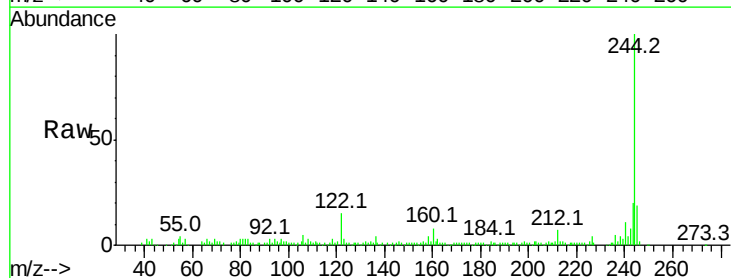
Tgt Ion:244 Resp: 117774

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

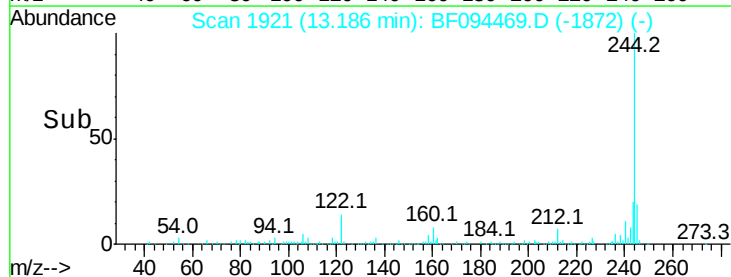
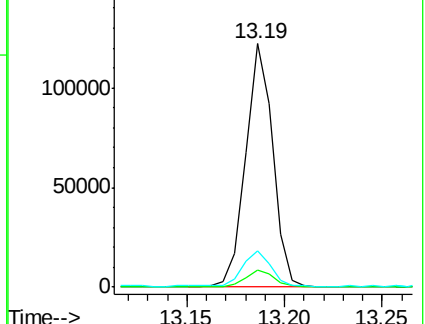
122 14.8 10.3 15.5

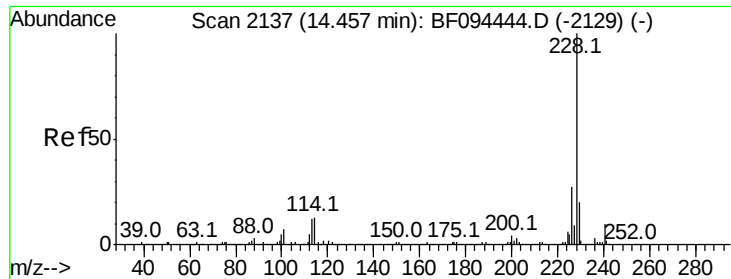


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

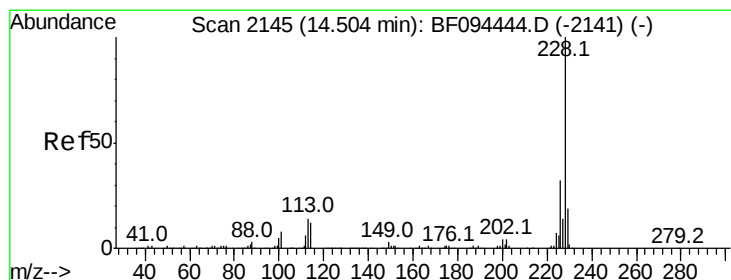
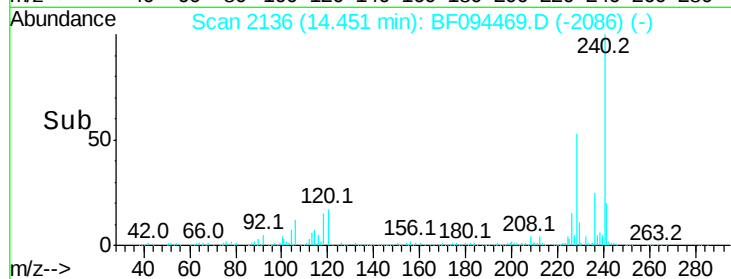
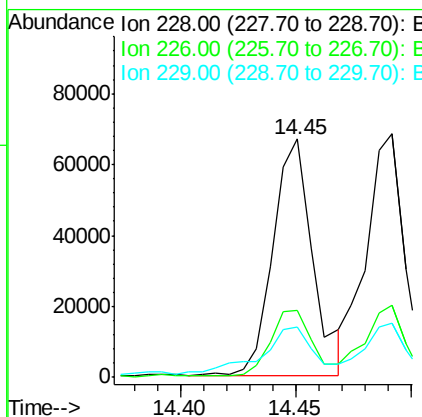
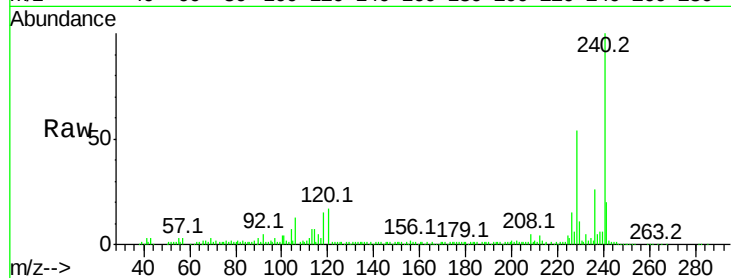




#80
Benzo(a)anthracene
Concen: 4.24 ng
RT: 14.45 min Scan# 2136
Delta R.T. -0.01 min
Lab File: BF094469.D
Acq: 18 Apr 2017 00:21

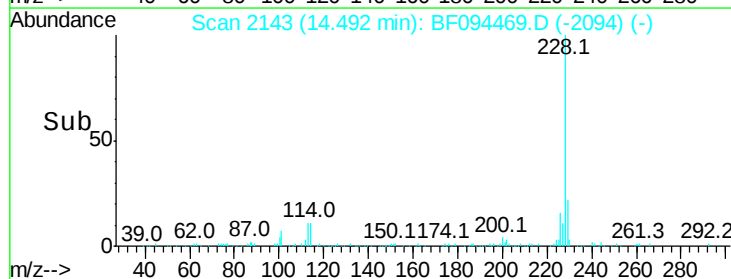
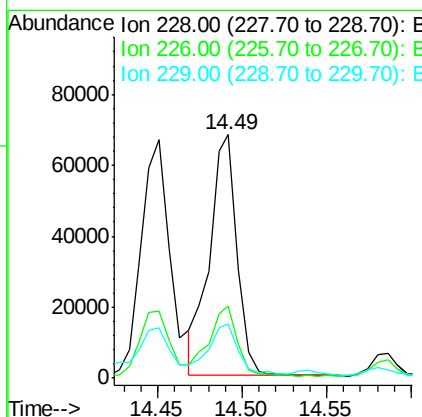
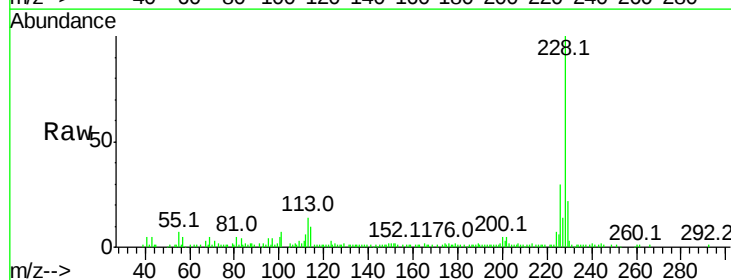
Instrument :
BNA_F
ClientSampleId :

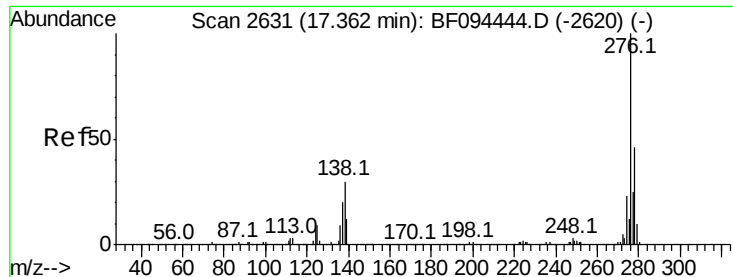
Tot Ion:228 Resp: 79610
Ion Ratio Lower Upper
228 100
226 28.0 22.6 33.8
229 21.3 16.3 24.5



#82
Chrysene
Concen: 4.52 ng
RT: 14.49 min Scan# 2143
Delta R.T. -0.01 min
Lab File: BF094469.D
Acq: 18 Apr 2017 00:21

Tgt Ion:228 Resp: 77554
Ion Ratio Lower Upper
228 100
226 29.6 24.9 37.3
229 22.0 15.8 23.6

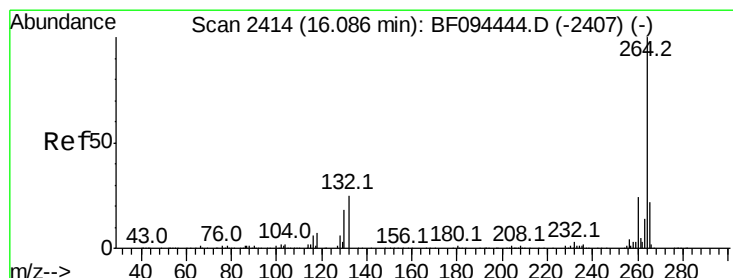
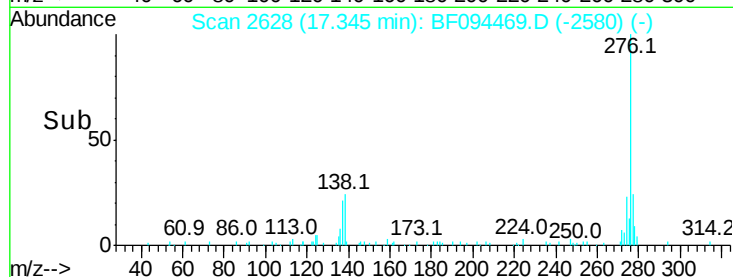
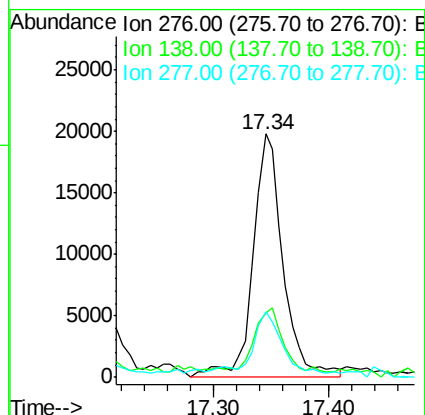
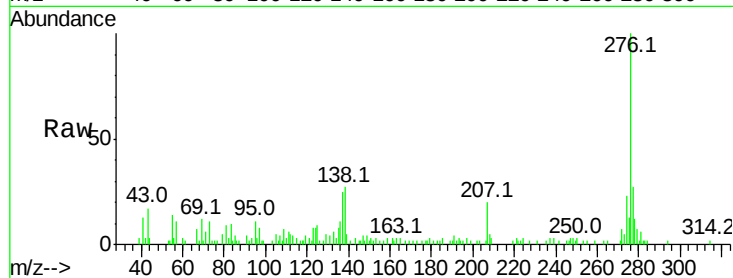




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.21 ng
 RT: 17.34 min Scan# 2628
 Delta R.T. -0.02 min
 Lab File: BF094469.D
 Acq: 18 Apr 2017 00:21

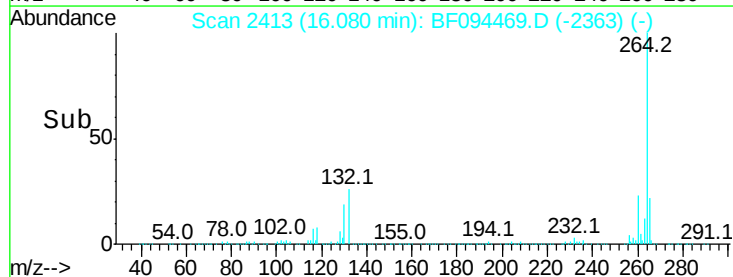
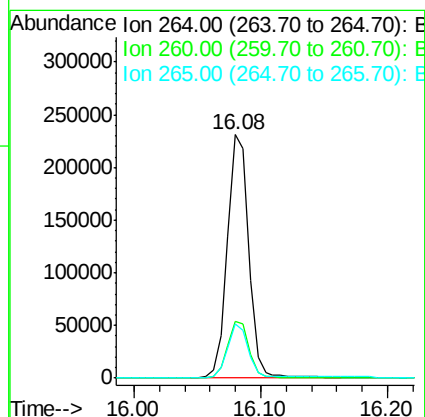
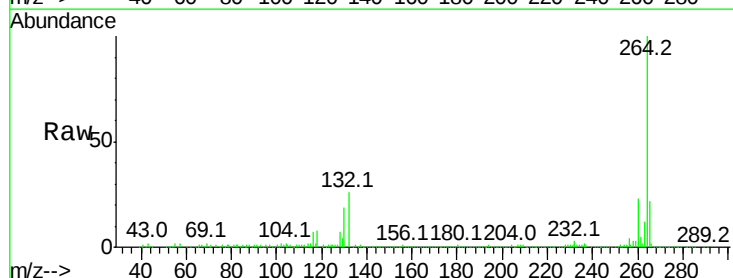
Instrument :
 BNA_F
 ClientSampled :

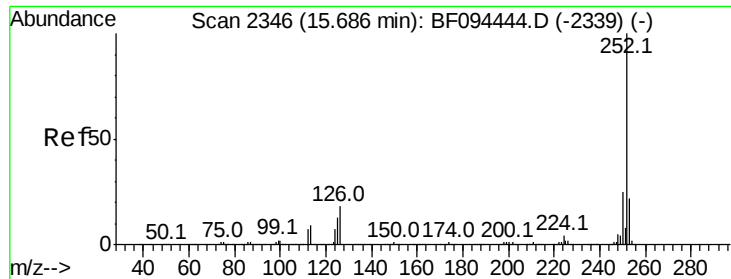
Tot Ion:276 Resp: 36048
 Ion Ratio Lower Upper
 276 100
 138 24.5 27.8 41.6#
 277 21.9 20.2 30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.08 min Scan# 2413
 Delta R.T. -0.01 min
 Lab File: BF094469.D
 Acq: 18 Apr 2017 00:21

Tgt Ion:264 Resp: 270874
 Ion Ratio Lower Upper
 264 100
 260 23.4 19.5 29.3
 265 22.4 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 5.82 ng

RT: 15.68 min Scan# 2345

Delta R.T. -0.01 min

Lab File: BF094469.D

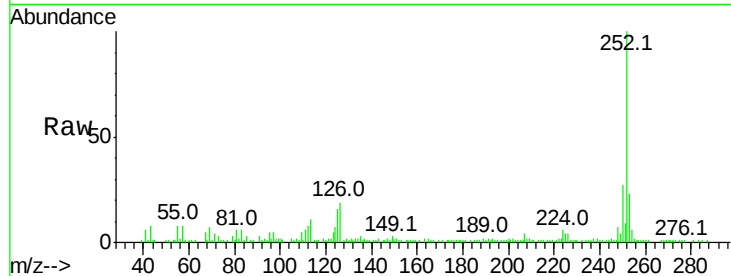
Acq: 18 Apr 2017 00:21

Instrument :

BNA_F

ClientSampleId :

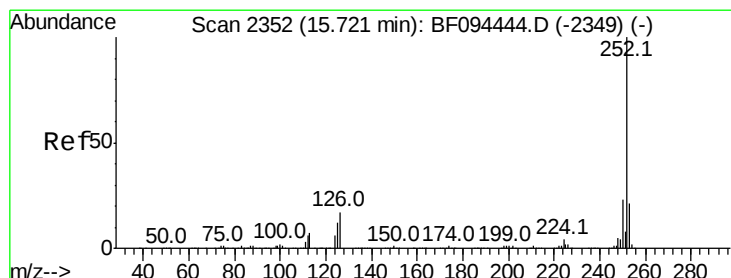
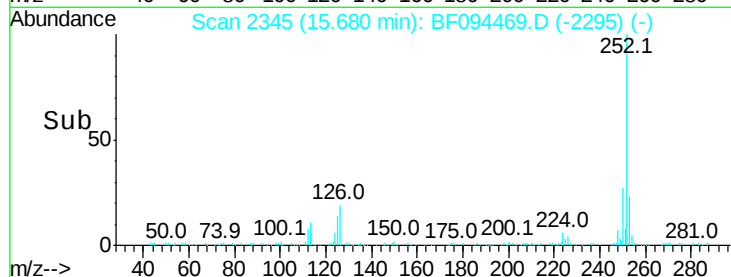
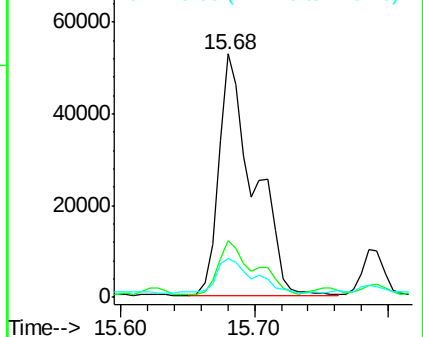
Tot Ion:252	Resp:	96429
Ion Ratio	Lower	Upper
252	100	
253	23.4	18.1 27.1
125	15.7	9.8 14.8#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 6.15 ng

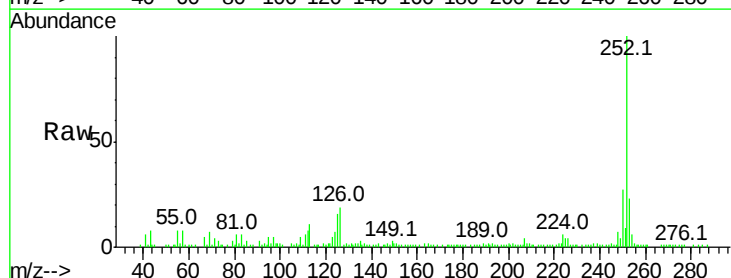
RT: 15.68 min Scan# 2345

Delta R.T. -0.04 min

Lab File: BF094469.D

Acq: 18 Apr 2017 00:21

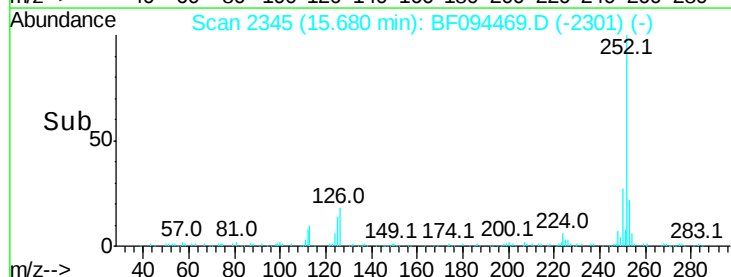
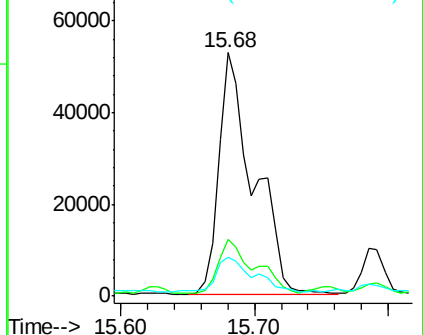
Tgt Ion:252	Resp:	96429
Ion Ratio	Lower	Upper
252	100	
253	23.4	18.4 27.6
125	15.7	13.1 19.7

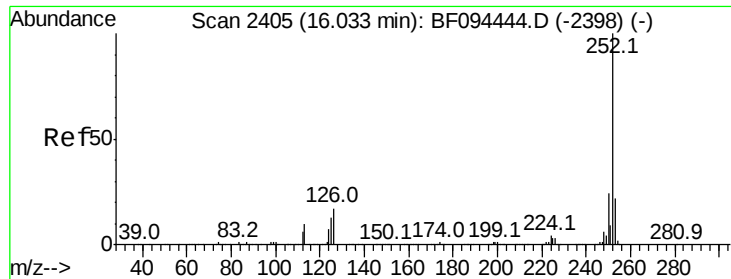


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 3.64 ng

RT: 16.02 min Scan# 2403

Delta R.T. -0.01 min

Lab File: BF094469.D

Acq: 18 Apr 2017 00:21

Instrument :

BNA_F

ClientSampleId :

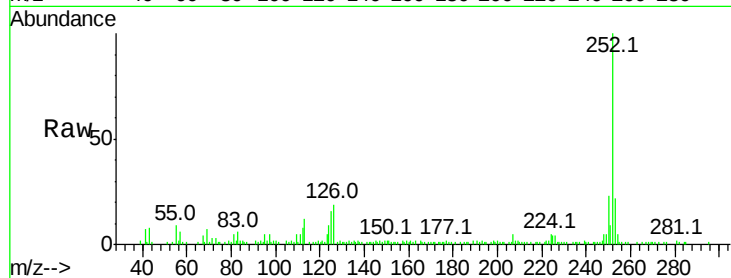
Tot Ion:252 Resp: 56160

Ion Ratio Lower Upper

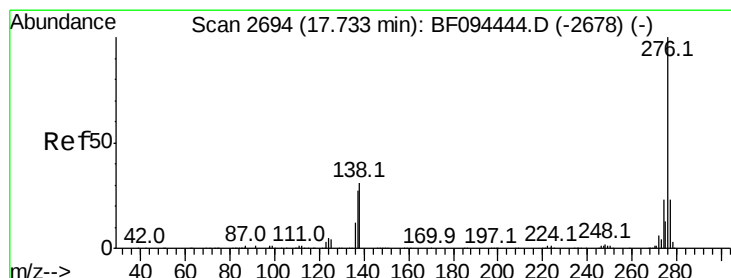
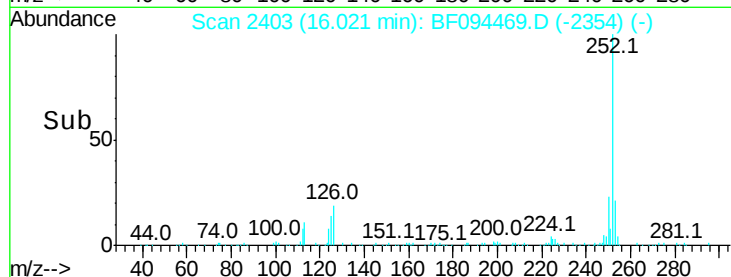
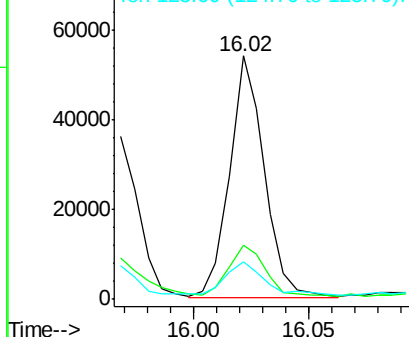
252 100

253 22.2 17.5 26.3

125 15.5 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: 2.58 ng

RT: 17.72 min Scan# 2691

Delta R.T. -0.02 min

Lab File: BF094469.D

Acq: 18 Apr 2017 00:21

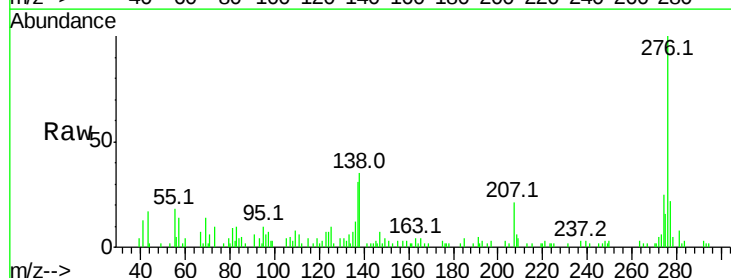
Tgt Ion:276 Resp: 33633

Ion Ratio Lower Upper

276 100

277 21.6 18.6 28.0

138 35.5 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

