

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041717\
 Data File : BF094479.D
 Acq On : 18 Apr 2017 6:18
 Operator : SJ/MA
 Sample : I2707-04 10X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 18 06:45:37 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

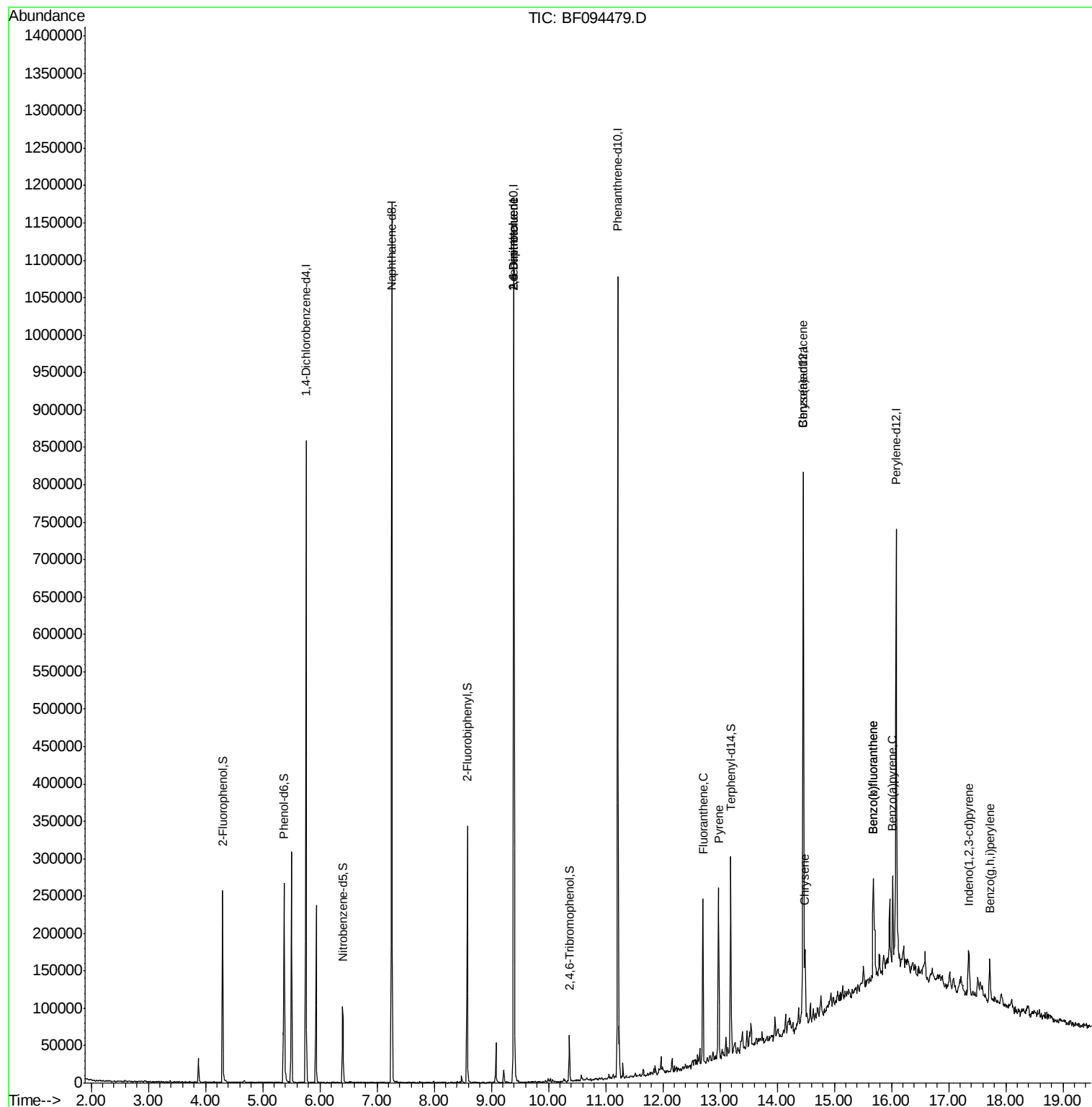
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.76	152	139309	20.00	ng	0.00
21) Naphthalene-d8	7.26	136	577295	20.00	ng	0.00
38) Acenaphthene-d10	9.39	164	254097	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	417237	20.00	ng	0.00
75) Chrysene-d12	14.46	240	277802	20.00	ng	-0.01
86) Perylene-d12	16.09	264	245896	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.30	112	81553	9.71	ng	0.00
7) Phenol-d6	5.37	99	99399	10.04	ng	-0.02
23) Nitrobenzene-d5	6.40	82	36626	3.92	ng	-0.02
41) 2,4,6-Tribromophenol	10.37	330	7781	3.91	ng	0.00
44) 2-Fluorobiphenyl	8.58	172	127724	7.40	ng	0.00
78) Terphenyl-d14	13.19	244	80500	7.75	ng	-0.01
Target Compounds						Qvalue
50) 2,6-Dinitrotoluene	9.39	165	31628	7.44	ng	# 33
56) 2,4-Dinitrotoluene	9.39	165	31637	6.07	ng	# 33
74) Fluoranthene	12.70	202	98458	4.04	ng	97
77) Pyrene	12.97	202	95001	4.89	ng	98
80) Benzo(a)anthracene	14.45	228	43359	2.69	ng	99
82) Chrysene	14.49	228	45413	3.08	ng	96
85) Indeno(1,2,3-cd)pyrene	17.35	276	30451	2.17	ng	93
87) Benzo(b)fluoranthene	15.68	252	96520	6.42	ng	98
88) Benzo(k)fluoranthene	15.68	252	96520	6.78	ng	98
89) Benzo(a)pyrene	16.03	252	50915	3.64	ng	99
91) Benzo(g,h,i)perylene	17.72	276	38096	3.22	ng	97

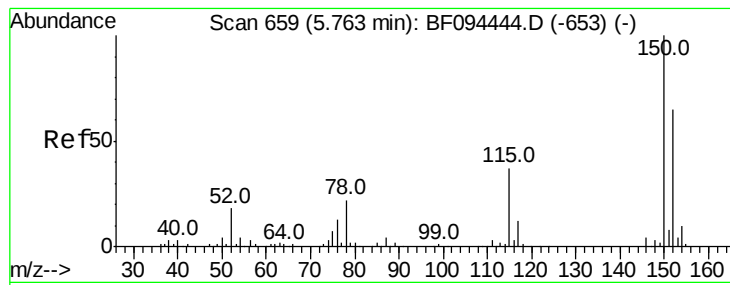
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041717\
Data File : BF094479.D
Acq On : 18 Apr 2017 6:18
Operator : SJ/MA
Sample : I2707-04 10X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Apr 18 06:45:37 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.76 min Scan# 658

Delta R.T. -0.01 min

Lab File: BF094479.D

Acq: 18 Apr 2017 6:18

Instrument :

BNA_F

ClientSampleId :

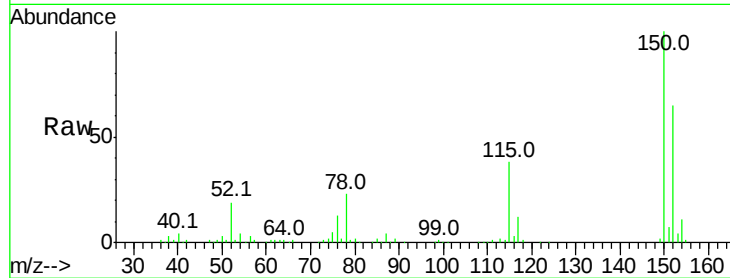
Tot Ion:152 Resp: 139309

Ion Ratio Lower Upper

152 100

150 153.9 126.2 189.2

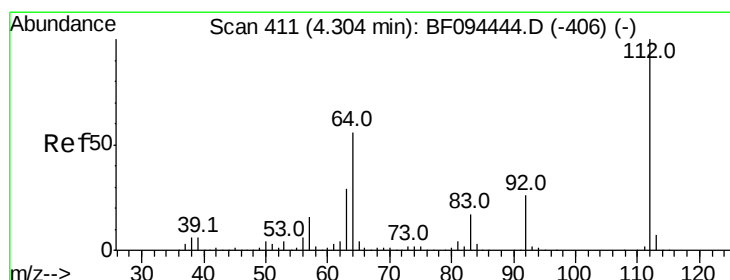
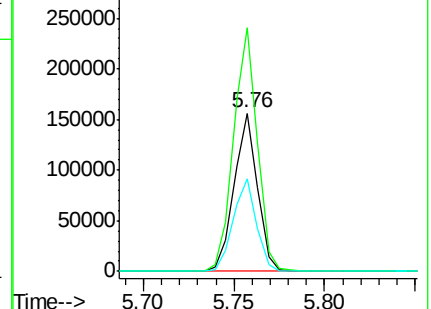
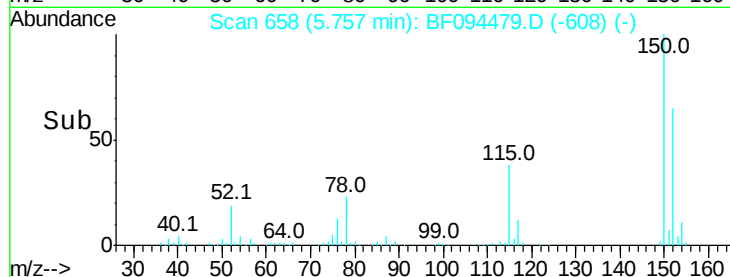
115 58.4 52.2 78.2



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: 9.71 ng

RT: 4.30 min Scan# 410

Delta R.T. -0.01 min

Lab File: BF094479.D

Acq: 18 Apr 2017 6:18

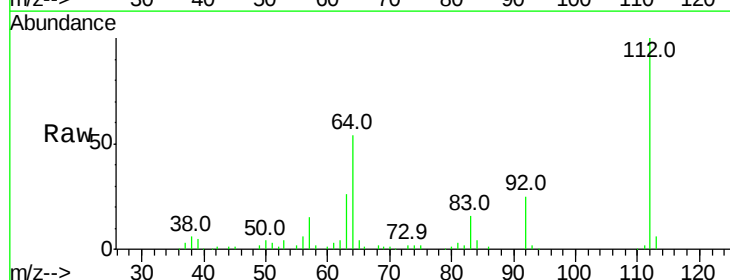
Tgt Ion:112 Resp: 81553

Ion Ratio Lower Upper

112 100

64 54.3 46.0 69.0

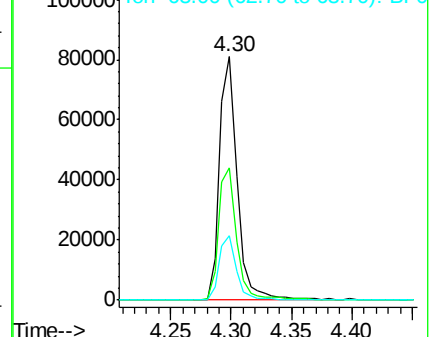
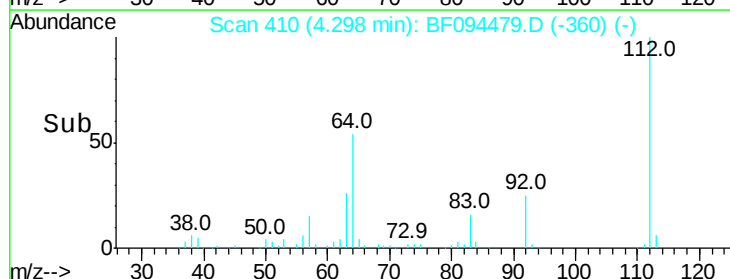
63 26.2 23.4 35.0

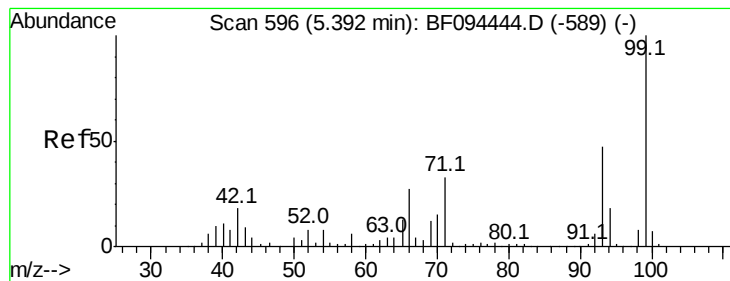


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 10.04 ng

RT: 5.37 min Scan# 593

Delta R.T. -0.02 min

Lab File: BF094479.D

Acq: 18 Apr 2017 6:18

Instrument :

BNA_F

ClientSampleId :

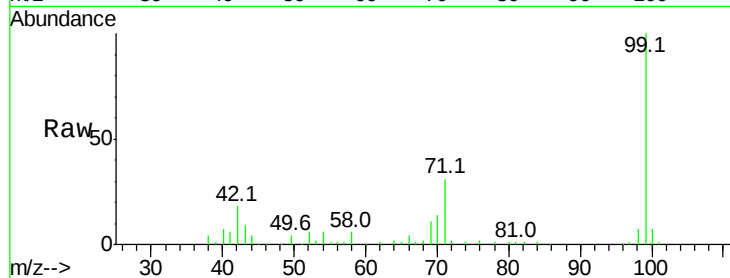
Tot Ion: 99 Resp: 99399

Ion Ratio Lower Upper

99 100

42 18.1 13.5 20.3

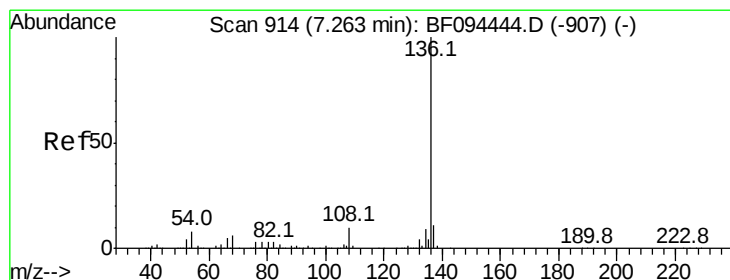
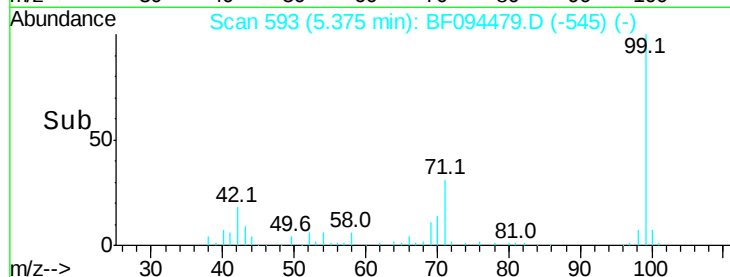
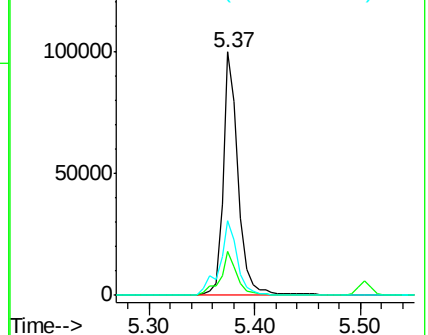
71 30.7 24.5 36.7



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.26 min Scan# 913

Delta R.T. -0.01 min

Lab File: BF094479.D

Acq: 18 Apr 2017 6:18

Tgt Ion: 136 Resp: 577295

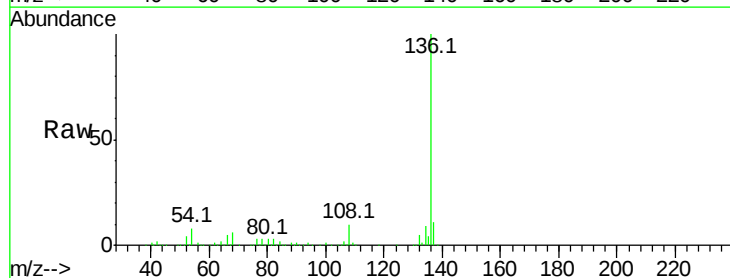
Ion Ratio Lower Upper

136 100

137 11.2 8.5 12.7

54 7.8 4.9 7.3#

68 5.9 4.1 6.1

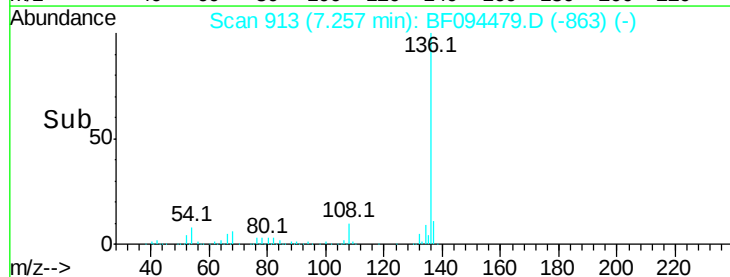
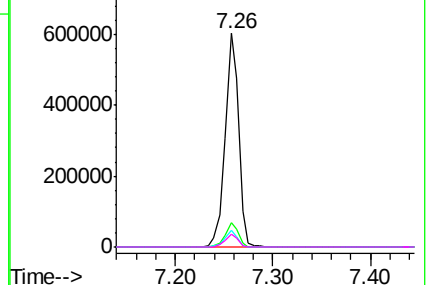


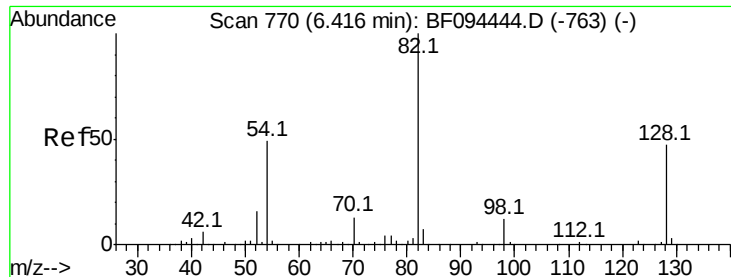
Abundance Ion 136.00 (135.70 to 136.70): E

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

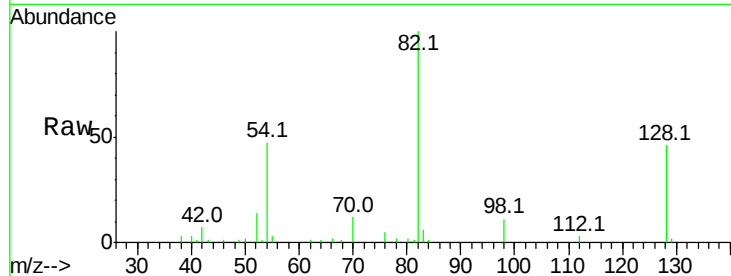




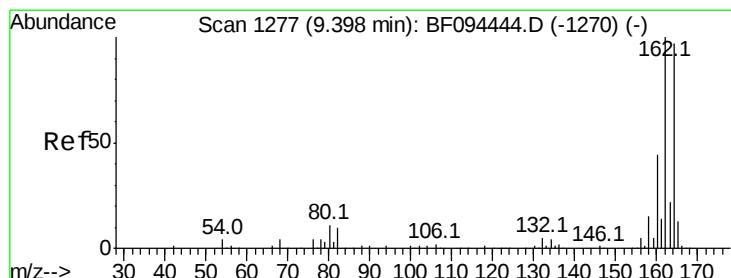
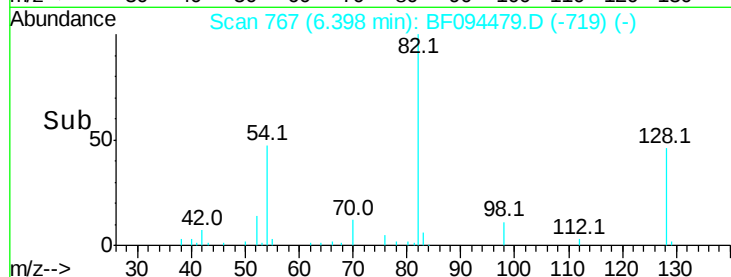
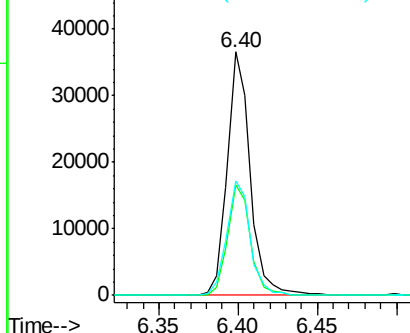
#23
 Nitrobenzene-d5
 Concen: 3.92 ng
 RT: 6.40 min Scan# 767
 Delta R.T. -0.02 min
 Lab File: BF094479.D
 Acq: 18 Apr 2017 6:18

Instrument :
 BNA_F
 ClientSampleID :

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.6	34.0	51.0
54	46.9	42.2	63.2



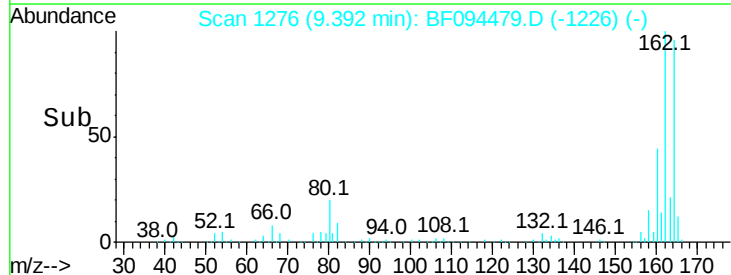
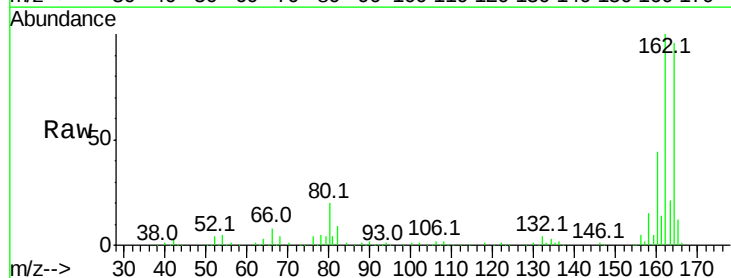
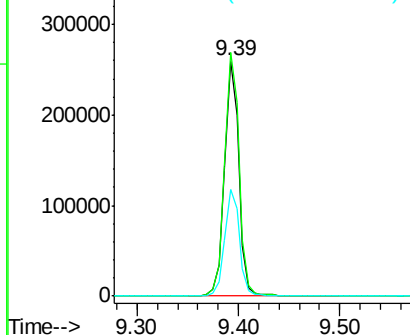
Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.39 min Scan# 1276
 Delta R.T. -0.01 min
 Lab File: BF094479.D
 Acq: 18 Apr 2017 6:18

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.7	82.6	123.8
160	45.4	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

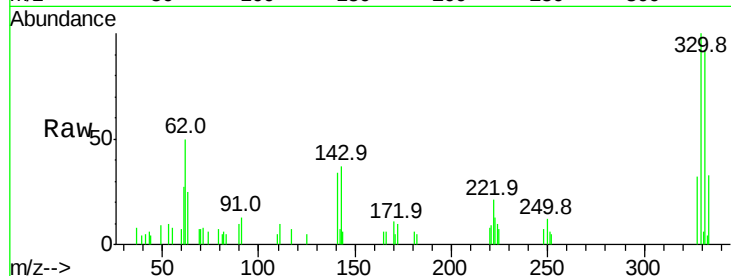




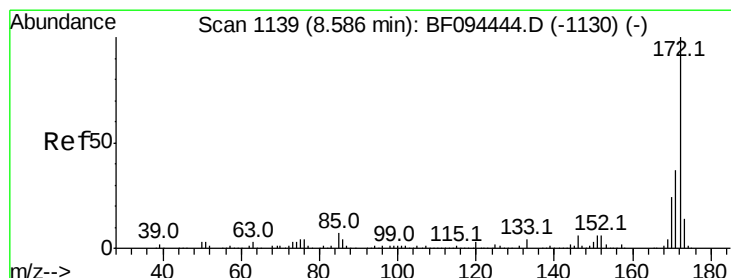
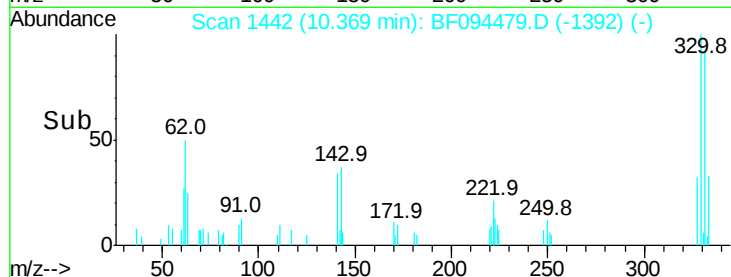
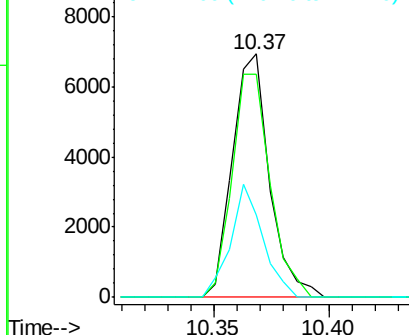
#41
 2,4,6-Tribromophenol
 Concen: 3.91 ng
 RT: 10.37 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: BF094479.D
 Acq: 18 Apr 2017 6:18

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 7781
 Ion Ratio Lower Upper
 330 100
 332 94.3 76.6 115.0
 141 40.4 31.4 47.2

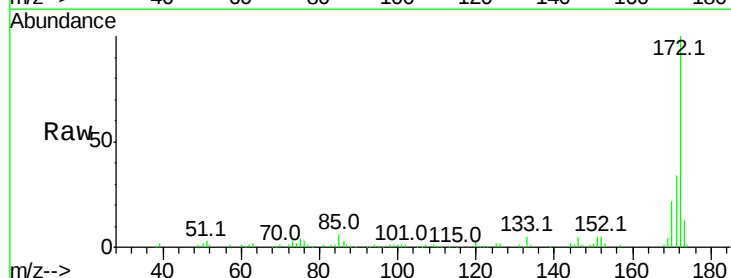


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

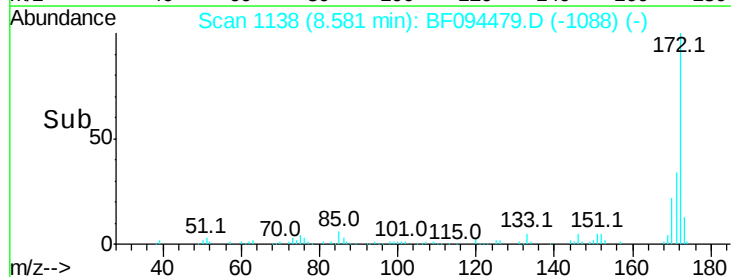
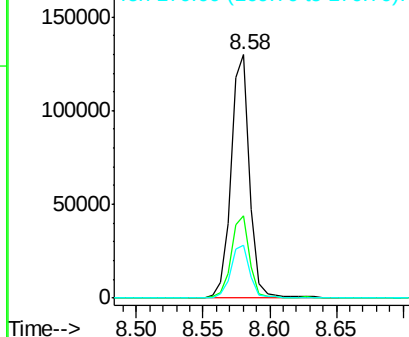


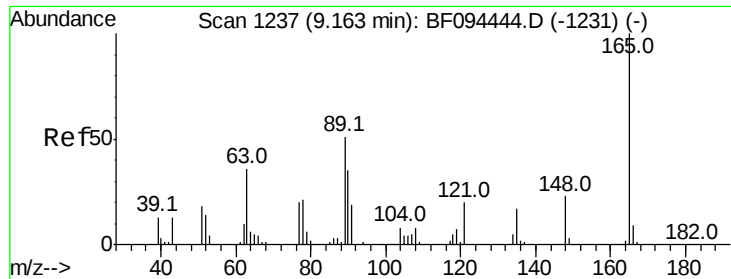
#44
 2-Fluorobiphenyl
 Concen: 7.40 ng
 RT: 8.58 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: BF094479.D
 Acq: 18 Apr 2017 6:18

Tgt Ion:172 Resp: 127724
 Ion Ratio Lower Upper
 172 100
 171 33.7 29.6 44.4
 170 22.0 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





#50

2,6-Dinitrotoluene

Concen: 7.44 ng

RT: 9.39 min Scan# 1276

Delta R.T. 0.23 min

Lab File: BF094479.D

Acq: 18 Apr 2017 6:18

Instrument :

BNA_F

ClientSampleId :

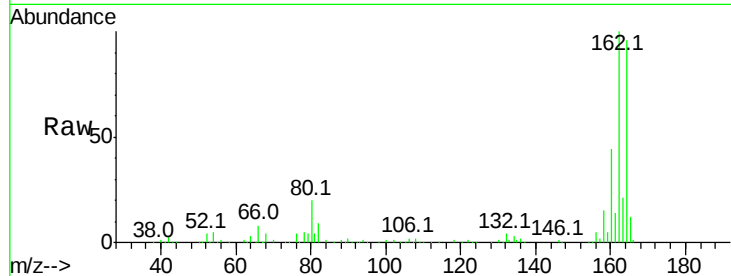
Tot Ion:165 Resp: 31628

Ion Ratio Lower Upper

165 100

63 1.2 34.3 51.5#

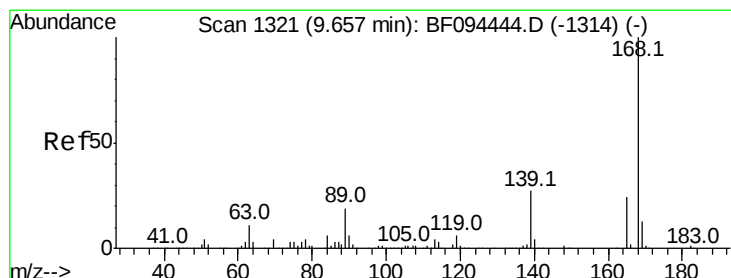
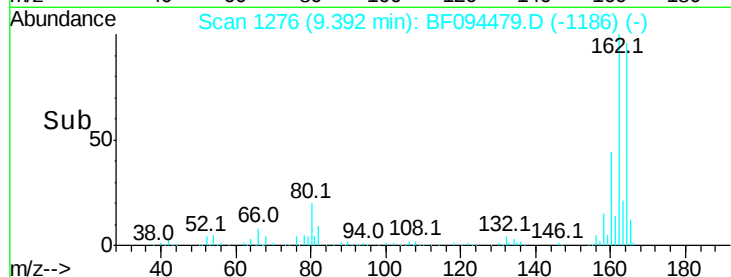
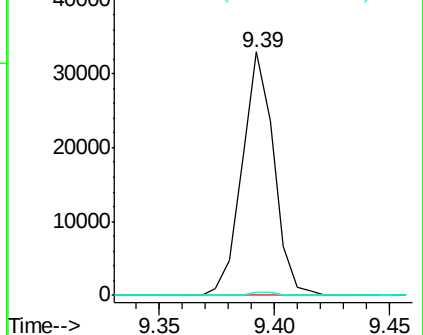
89 1.4 37.1 55.7#



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



#56

2,4-Dinitrotoluene

Concen: 6.07 ng

RT: 9.39 min Scan# 1276

Delta R.T. -0.26 min

Lab File: BF094479.D

Acq: 18 Apr 2017 6:18

Tgt Ion:165 Resp: 31637

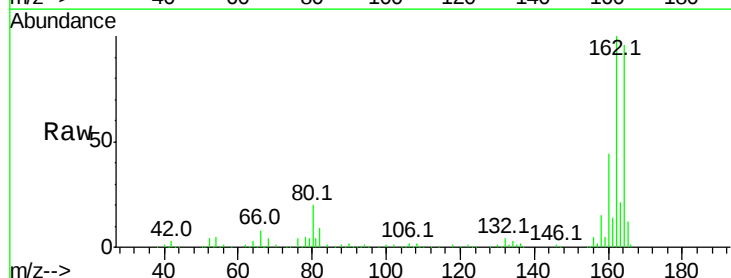
Ion Ratio Lower Upper

165 100

63 1.2 25.4 38.0#

89 1.4 46.4 69.6#

182 0.0 1.8 2.6#

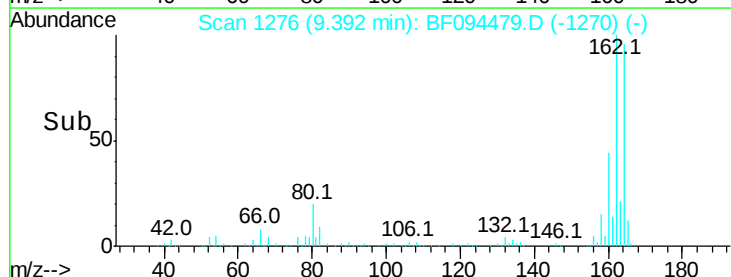
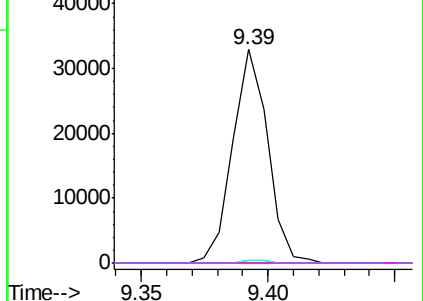


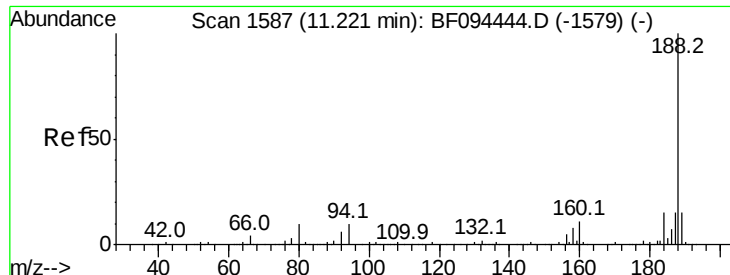
Abundance Ion 165.00 (164.70 to 165.70): E

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

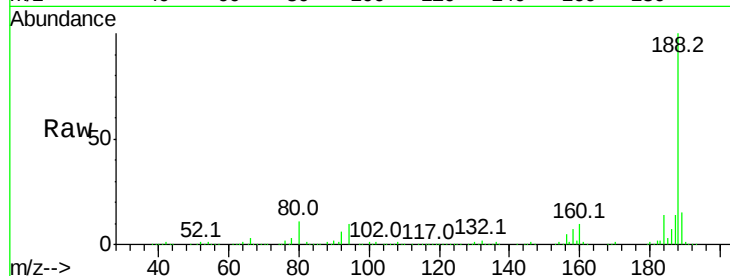




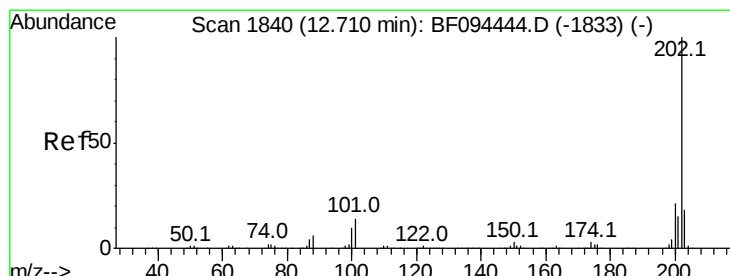
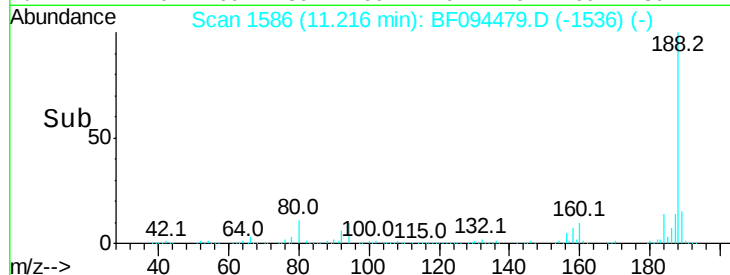
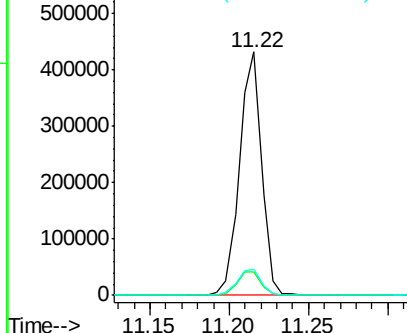
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.22 min Scan# 1586
Delta R.T. -0.01 min
Lab File: BF094479.D
Acq: 18 Apr 2017 6:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 417237
Ion Ratio Lower Upper
188 100
94 9.8 9.4 14.2
80 10.6 10.2 15.2

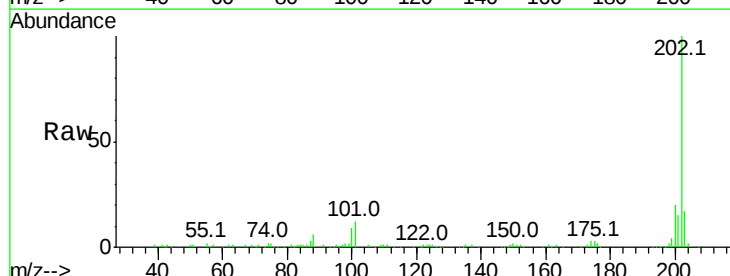


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

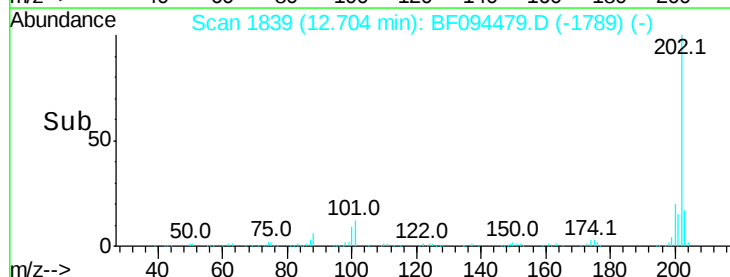
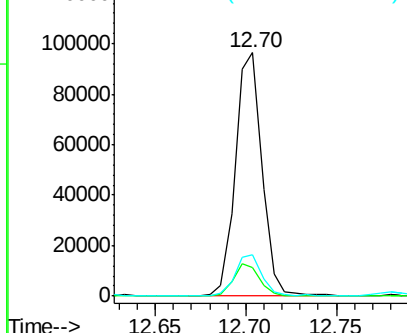


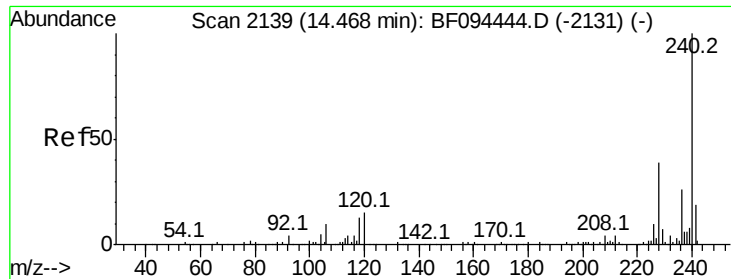
#74
Fluoranthene
Concen: 4.04 ng
RT: 12.70 min Scan# 1839
Delta R.T. -0.01 min
Lab File: BF094479.D
Acq: 18 Apr 2017 6:18

Tgt Ion:202 Resp: 98458
Ion Ratio Lower Upper
202 100
101 12.0 0.0 33.2
203 17.1 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

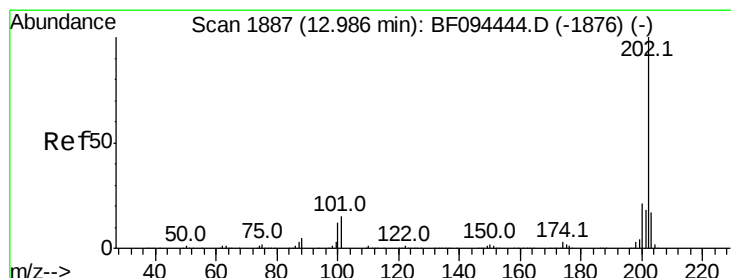
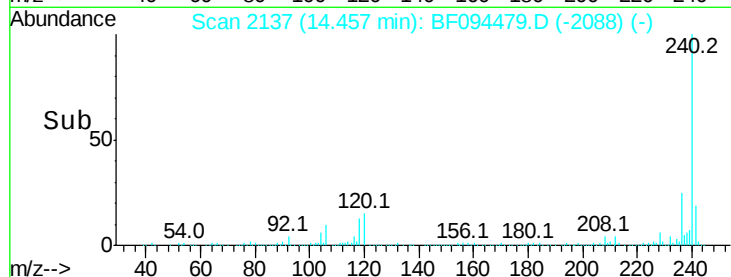
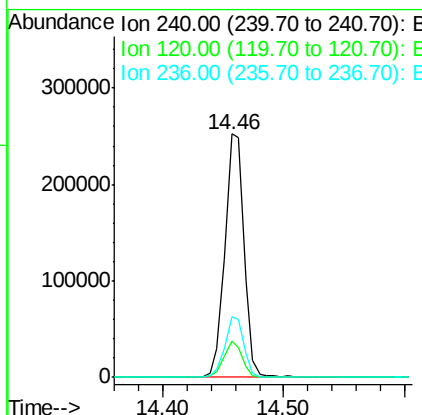
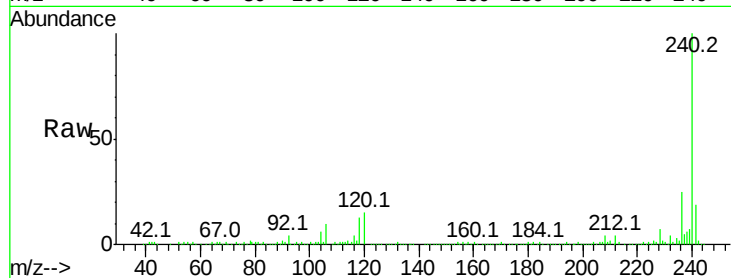




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.46 min Scan# 2137
 Delta R.T. -0.01 min
 Lab File: BF094479.D
 Acq: 18 Apr 2017 6:18

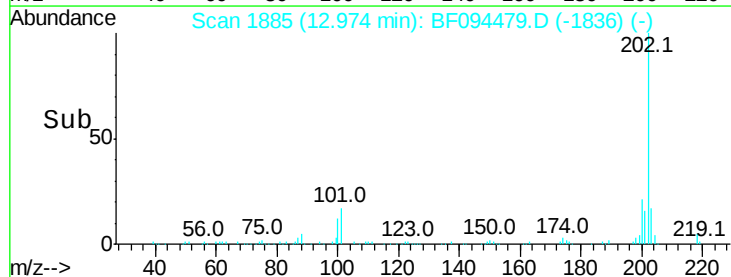
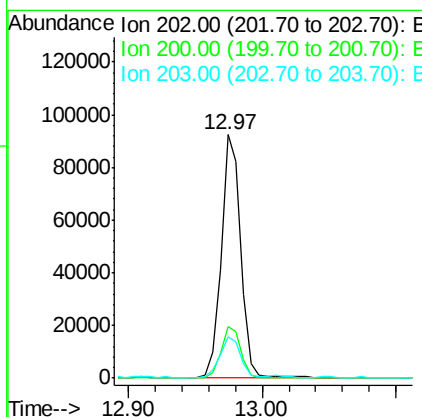
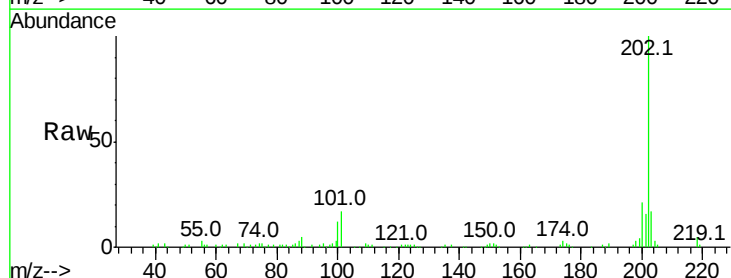
Instrument :
 BNA_F
 ClientSampleId :

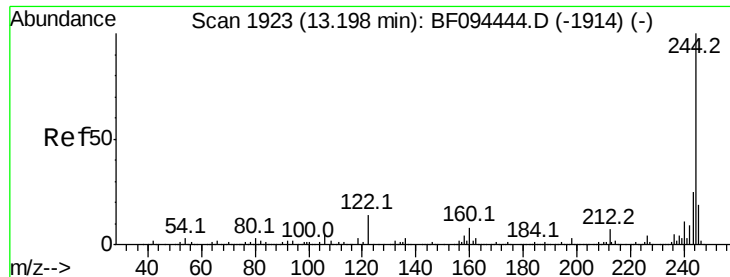
Tot Ion:240 Resp: 277802
 Ion Ratio Lower Upper
 240 100
 120 14.7 5.8 8.8#
 236 25.0 20.5 30.7



#77
 Pyrene
 Concen: 4.89 ng
 RT: 12.97 min Scan# 1885
 Delta R.T. -0.01 min
 Lab File: BF094479.D
 Acq: 18 Apr 2017 6:18

Tgt Ion:202 Resp: 95001
 Ion Ratio Lower Upper
 202 100
 200 21.5 17.6 26.4
 203 17.1 14.4 21.6





#78

Terphenyl-d14

Concen: 7.75 ng

RT: 13.19 min Scan# 1921

Delta R.T. -0.01 min

Lab File: BF094479.D

Acq: 18 Apr 2017 6:18

Instrument :

BNA_F

ClientSampleId :

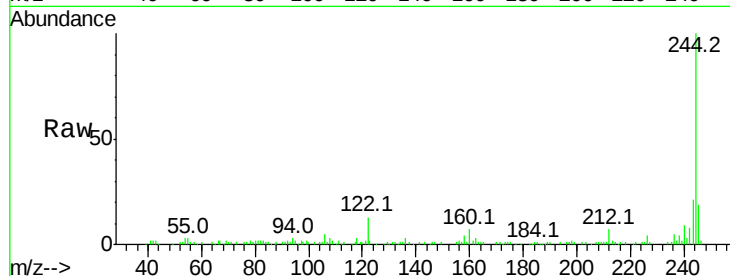
Tot Ion:244 Resp: 80500

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

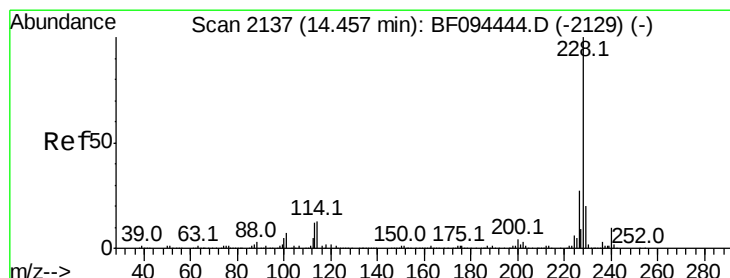
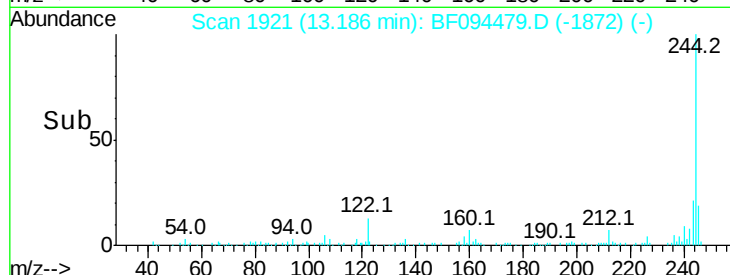
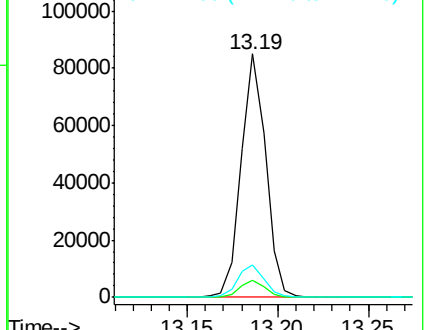
122 13.2 10.3 15.5



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: 2.69 ng

RT: 14.45 min Scan# 2136

Delta R.T. -0.01 min

Lab File: BF094479.D

Acq: 18 Apr 2017 6:18

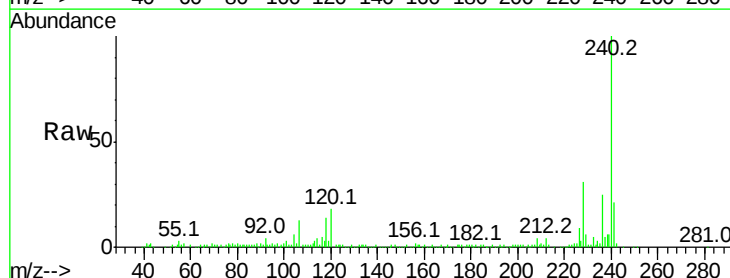
Tgt Ion:228 Resp: 43359

Ion Ratio Lower Upper

228 100

226 28.9 22.6 33.8

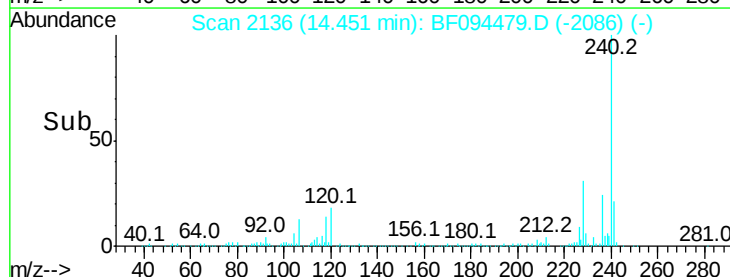
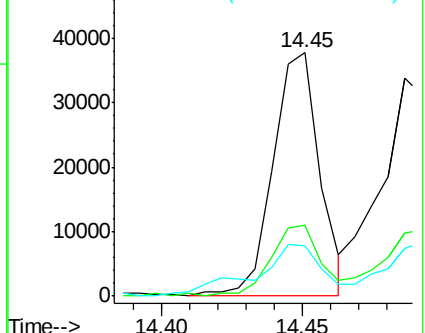
229 20.9 16.3 24.5

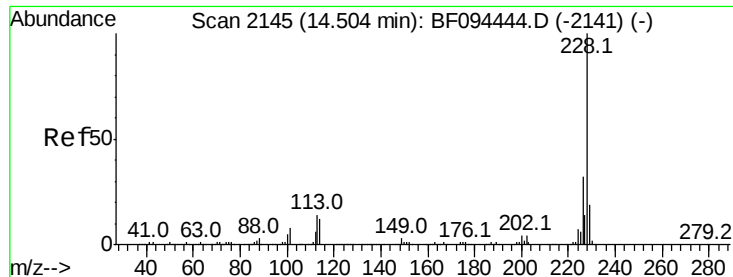


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

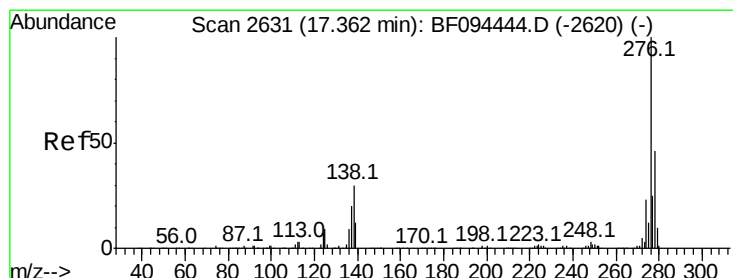
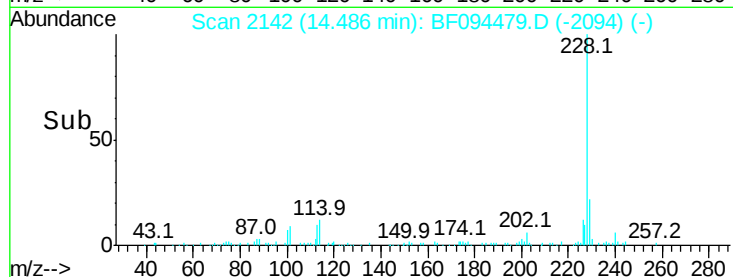
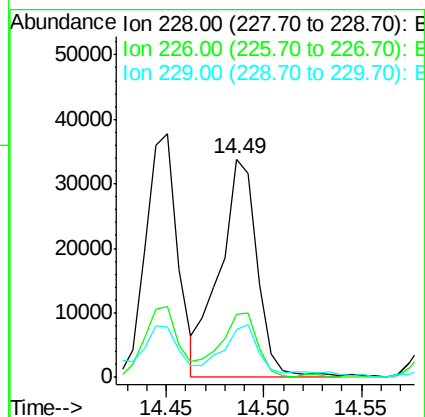
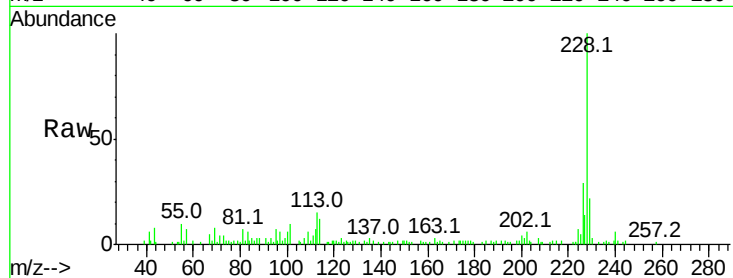




#82
 Chrysene
 Concen: 3.08 ng
 RT: 14.49 min Scan# 2142
 Delta R.T. -0.02 min
 Lab File: BF094479.D
 Acq: 18 Apr 2017 6:18

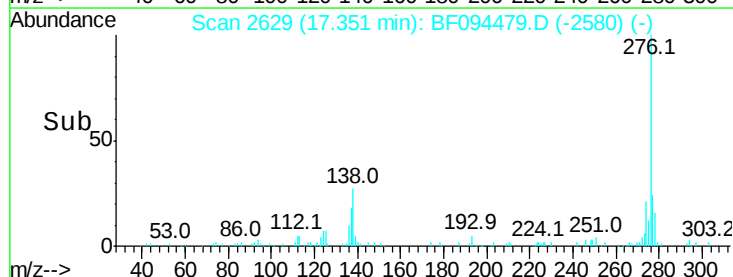
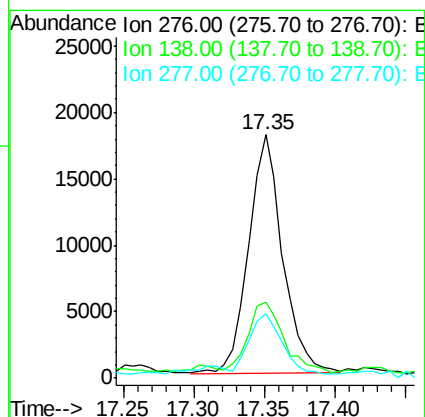
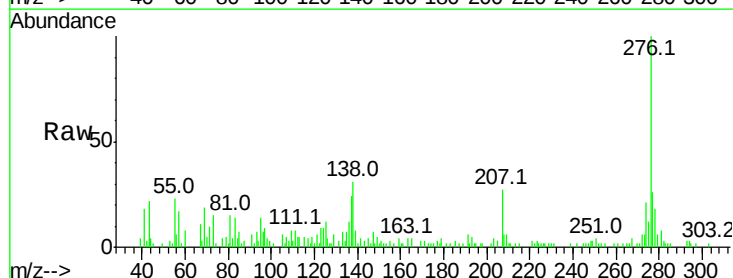
Instrument :
 BNA_F
 ClientSampled :

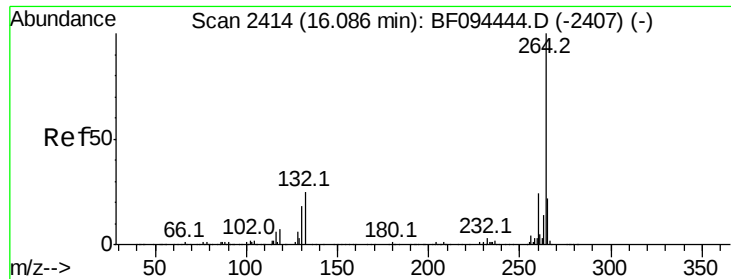
Tot Ion:228	Resp:	45413
Ion Ratio	Lower	Upper
228	100	
226	29.0	24.9 37.3
229	22.1	15.8 23.6



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.17 ng
 RT: 17.35 min Scan# 2629
 Delta R.T. -0.01 min
 Lab File: BF094479.D
 Acq: 18 Apr 2017 6:18

Tgt Ion:276	Resp:	30451
Ion Ratio	Lower	Upper
276	100	
138	30.9	27.8 41.6
277	28.7	20.2 30.4

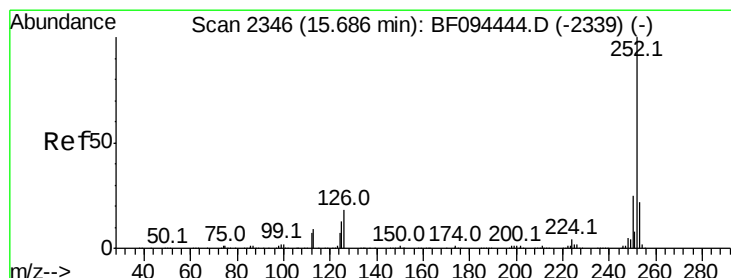
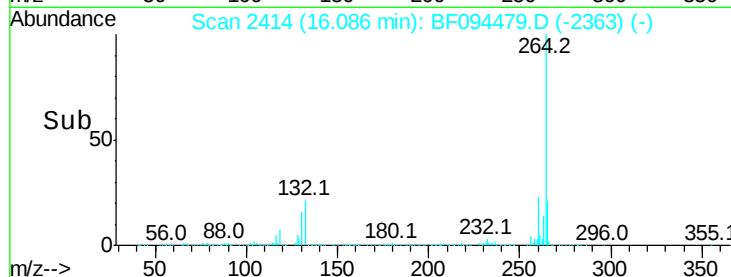
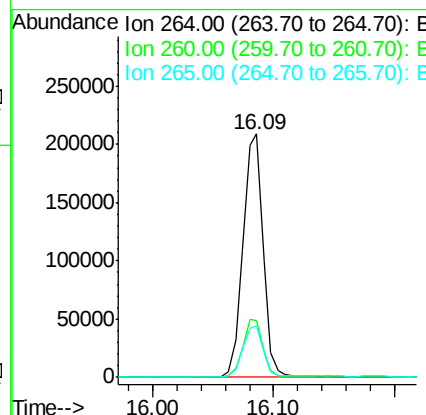
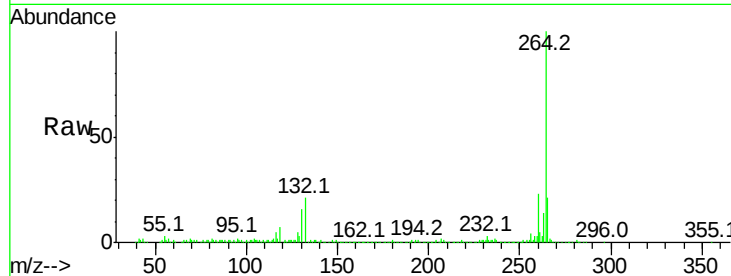




#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.09 min Scan# 2414
Delta R.T. 0.00 min
Lab File: BF094479.D
Acq: 18 Apr 2017 6:18

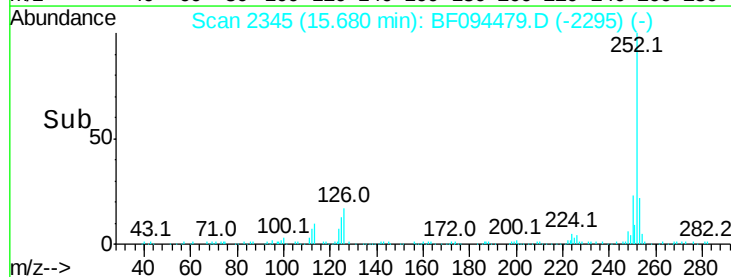
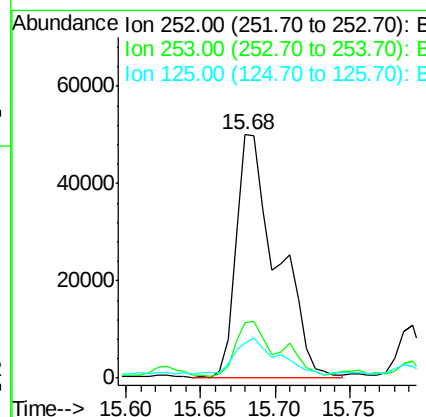
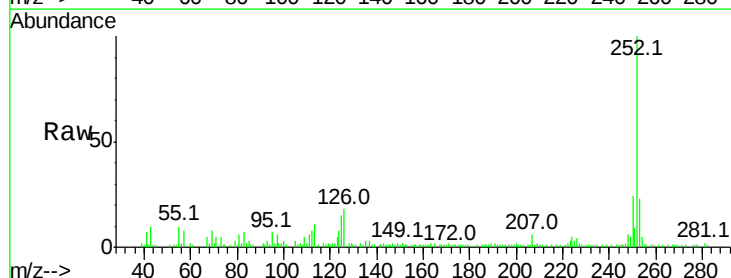
Instrument :
BNA_F
ClientSampleId :

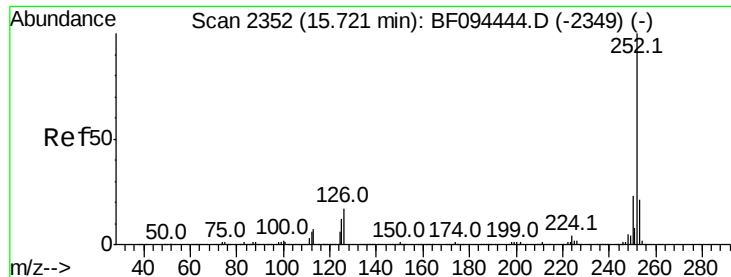
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.5	29.3
265	21.1	17.2	25.8



#87
Benzo(b)fluoranthene
Concen: 6.42 ng
RT: 15.68 min Scan# 2345
Delta R.T. -0.01 min
Lab File: BF094479.D
Acq: 18 Apr 2017 6:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.1	27.1
125	14.5	9.8	14.8

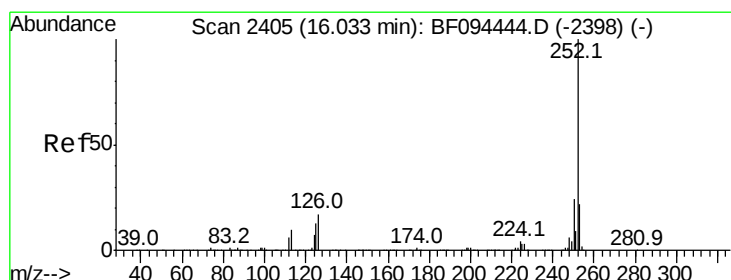
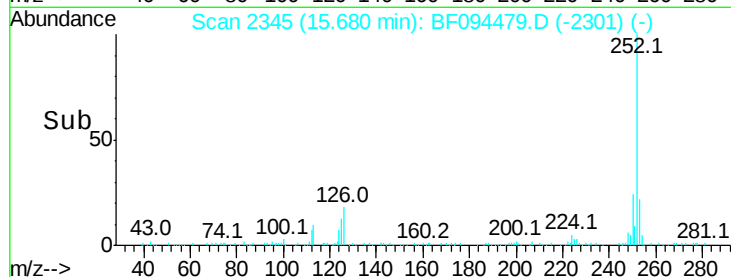
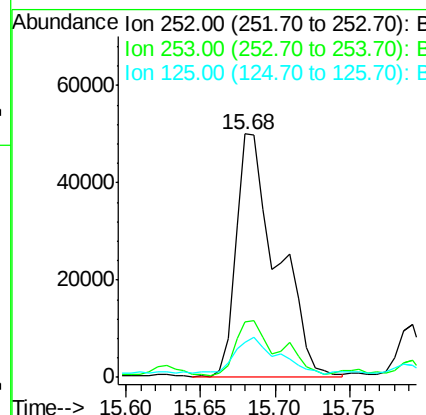
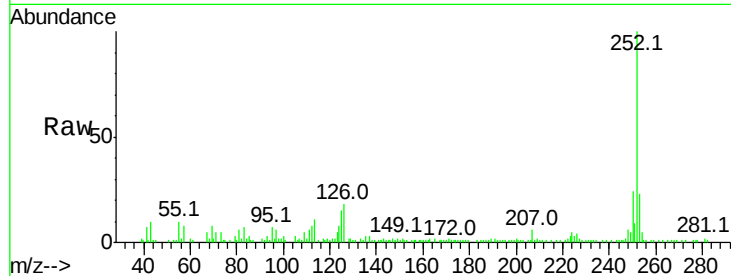




#88
Benzo(k)fluoranthene
Concen: 6.78 ng
RT: 15.68 min Scan# 2345
Delta R.T. -0.04 min
Lab File: BF094479.D
Acq: 18 Apr 2017 6:18

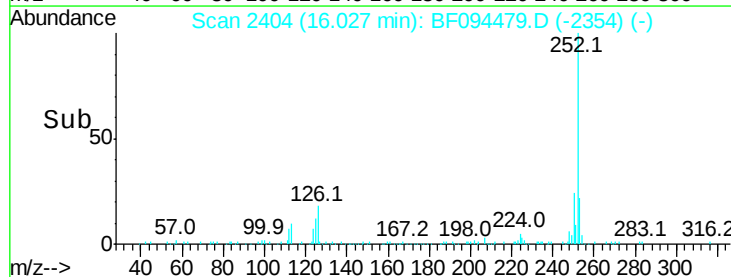
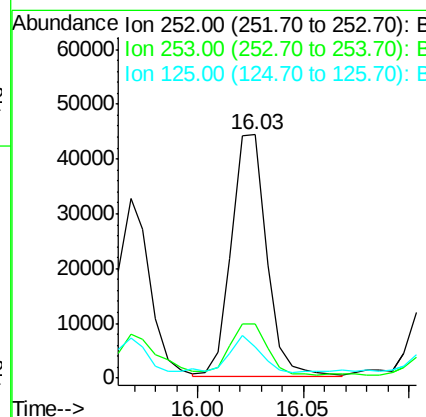
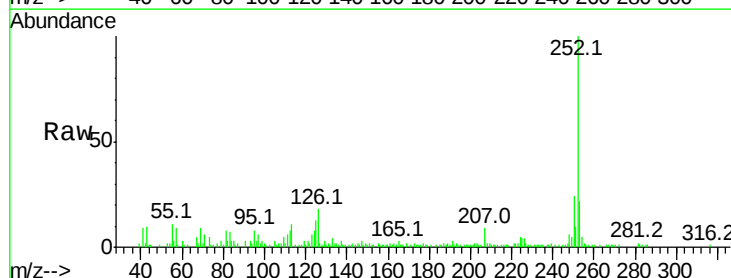
Instrument :
BNA_F
ClientSampleId :

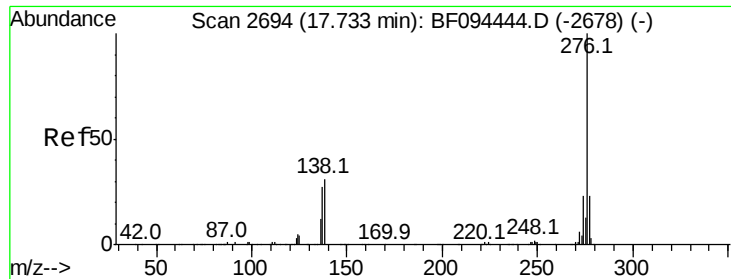
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.4	27.6
125	14.5	13.1	19.7



#89
Benzo(a)pyrene
Concen: 3.64 ng
RT: 16.03 min Scan# 2404
Delta R.T. -0.01 min
Lab File: BF094479.D
Acq: 18 Apr 2017 6:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	13.0	11.0	16.4





#91

Benzo(a,h,i)perylene

Concen: 3.22 ng

RT: 17.72 min Scan# 2692

Delta R.T. -0.01 min

Lab File: BF094479.D

Acq: 18 Apr 2017 6:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.2	18.6	28.0
138	29.5	25.4	38.0

