

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041817\
 Data File : BF094508.D
 Acq On : 19 Apr 2017 1:18
 Operator : SJ/MA
 Sample : I2707-02 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 19 03:04:08 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

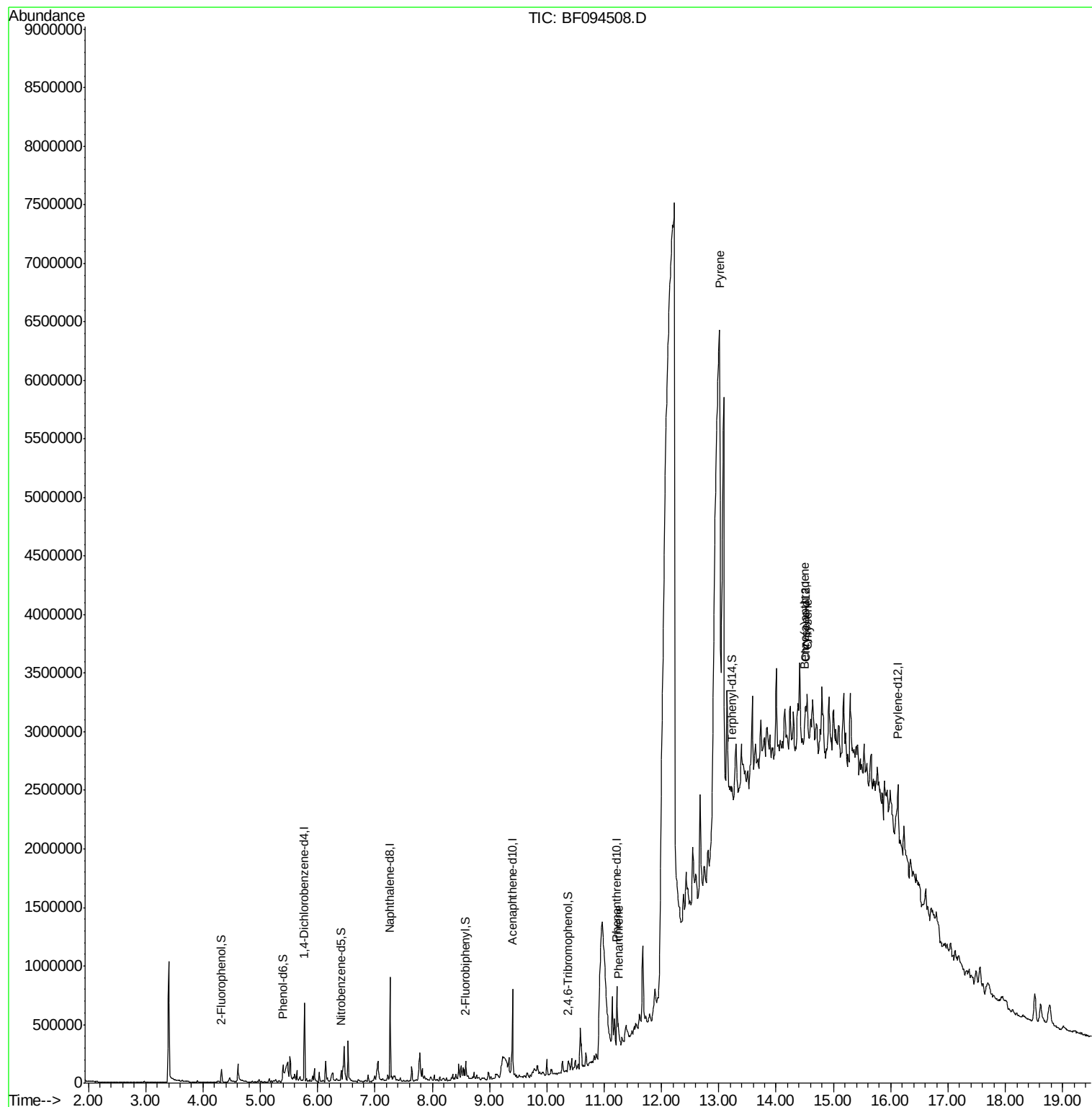
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.77	152	110315	20.00	ng	0.00
21) Naphthalene-d8	7.27	136	389747	20.00	ng	0.00
38) Acenaphthene-d10	9.40	164	146199	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	273599	20.00	ng	0.00
75) Chrysene-d12	14.51	240	201618	20.00	ng	0.04
86) Perylene-d12	16.12	264	159995	20.00	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	4.32	112	34603	5.20	ng	0.02
7) Phenol-d6	5.40	99	41213	5.26	ng	0.00
23) Nitrobenzene-d5	6.41	82	22763	3.61	ng	0.00
41) 2,4,6-Tribromophenol	10.38	330	5579	4.88	ng	0.00
44) 2-Fluorobiphenyl	8.58	172	41769	4.20	ng	0.00
78) Terphenyl-d14	13.22	244	30652	4.06	ng	0.03
Target Compounds						
70) Phenanthrene	11.25	178	53383	3.46	ng	Qvalue 93
77) Pyrene	13.02	202	39188	2.78	ng	# 53
80) Benzo(a)anthracene	14.50	228	40514	3.46	ng	# 55
82) Chrysene	14.54	228	43743	4.08	ng	# 66

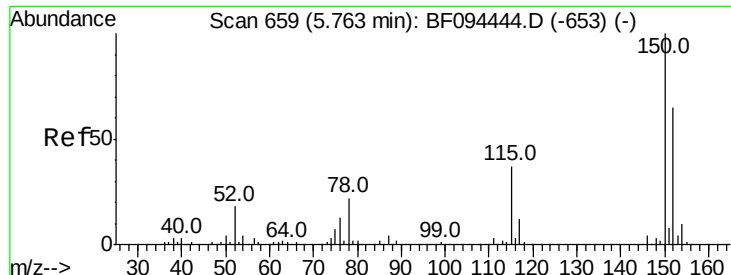
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041817\
Data File : BF094508.D
Acq On : 19 Apr 2017 1:18
Operator : SJ/MA
Sample : I2707-02 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Apr 19 03:04:08 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: 5.77 min Scan# 652

Delta R.T. 0.01 min

Lab File: BF094508.D

Acq: 19 Apr 2017 1:18

Instrument :

BNA_F

ClientSampleId :

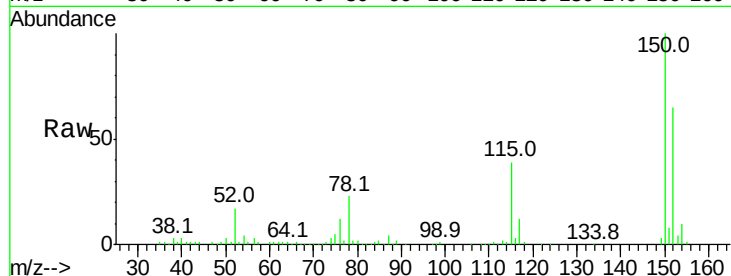
Tot Ion:152 Resp: 110315

Ion Ratio Lower Upper

152 100

150 154.3 126.2 189.2

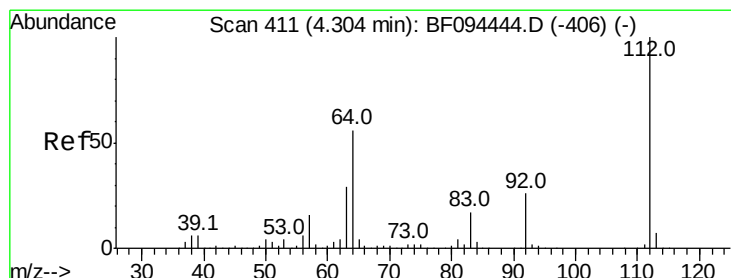
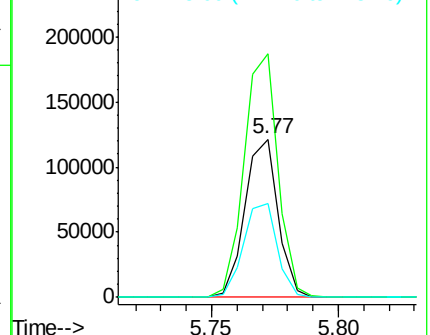
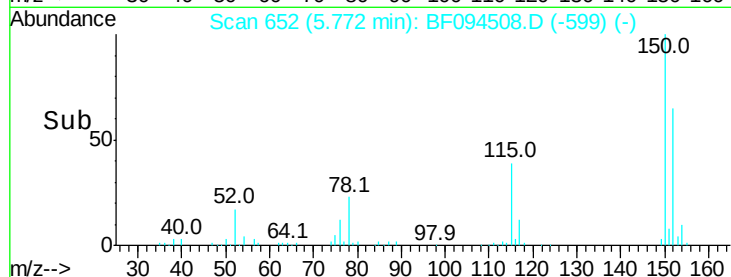
115 59.7 52.2 78.2



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: 5.20 ng

RT: 4.32 min Scan# 405

Delta R.T. 0.02 min

Lab File: BF094508.D

Acq: 19 Apr 2017 1:18

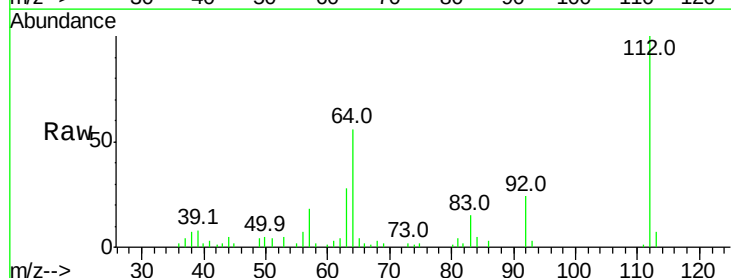
Tgt Ion:112 Resp: 34603

Ion Ratio Lower Upper

112 100

64 55.9 46.0 69.0

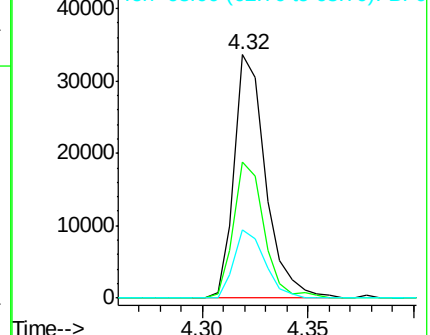
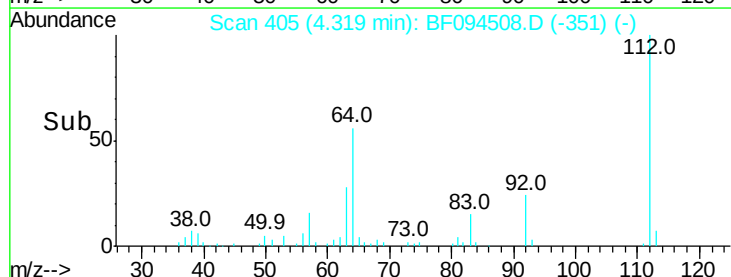
63 27.9 23.4 35.0

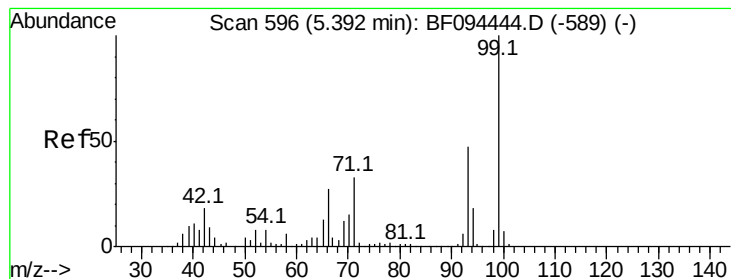


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 5.26 ng

RT: 5.40 min Scan# 588

Delta R.T. 0.00 min

Lab File: BF094508.D

Acq: 19 Apr 2017 1:18

Instrument :

BNA_F

ClientSampleId :

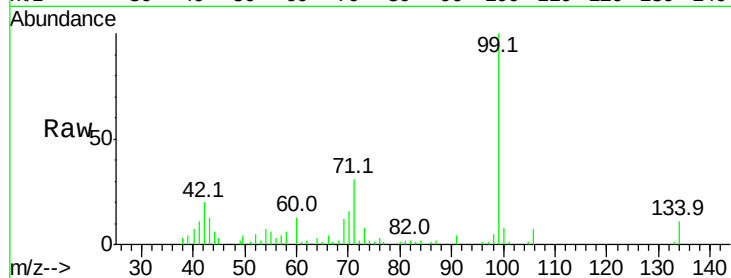
Tot Ion: 99 Resp: 41213

Ion Ratio Lower Upper

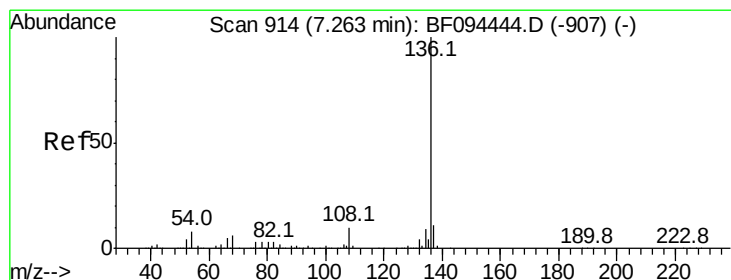
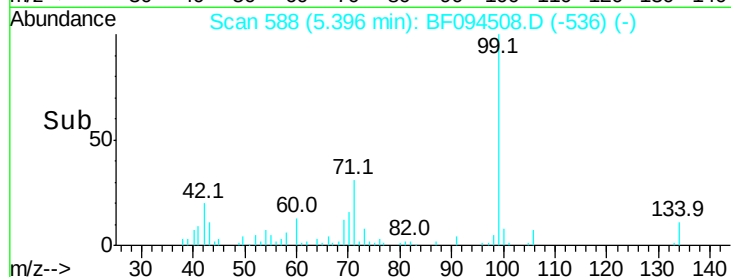
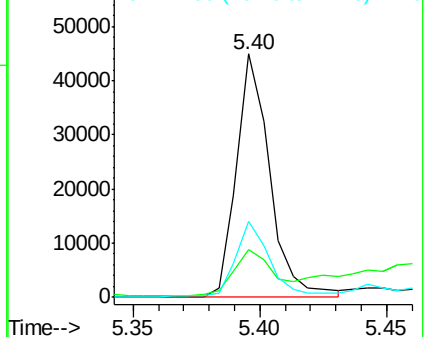
99 100

42 19.6 13.5 20.3

71 31.0 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: 7.27 min Scan# 906

Delta R.T. 0.00 min

Lab File: BF094508.D

Acq: 19 Apr 2017 1:18

Tgt Ion: 136 Resp: 389747

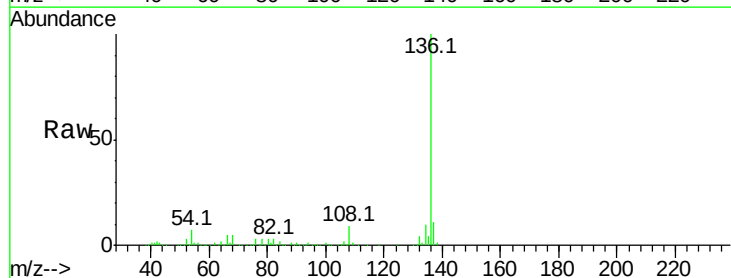
Ion Ratio Lower Upper

136 100

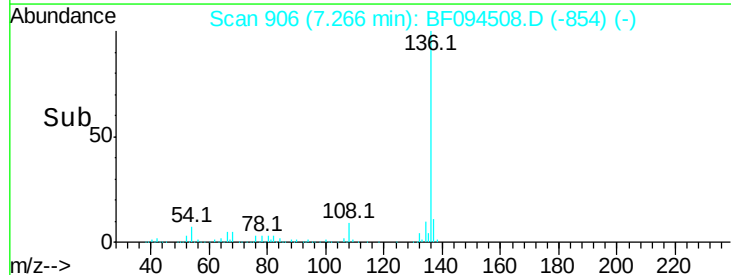
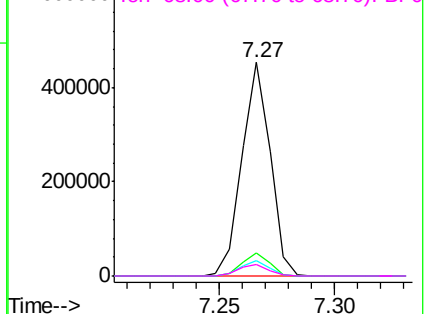
137 10.9 8.5 12.7

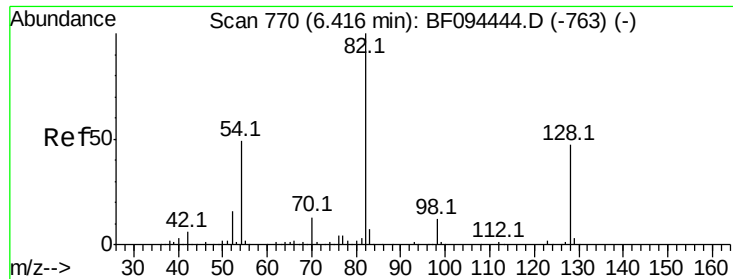
54 7.3 4.9 7.3

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

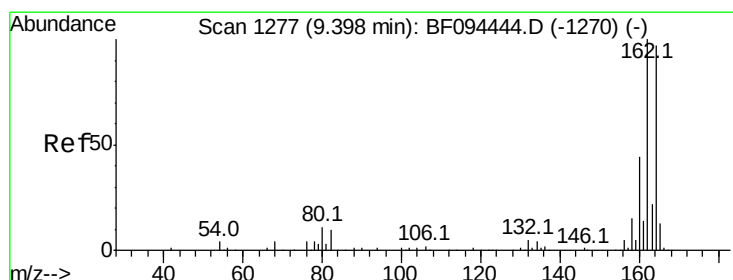
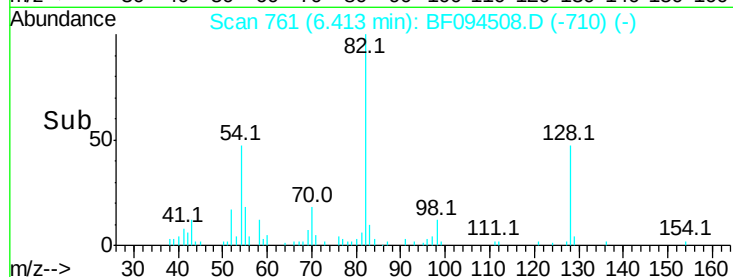
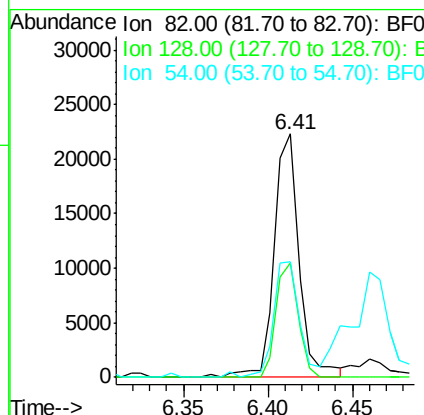
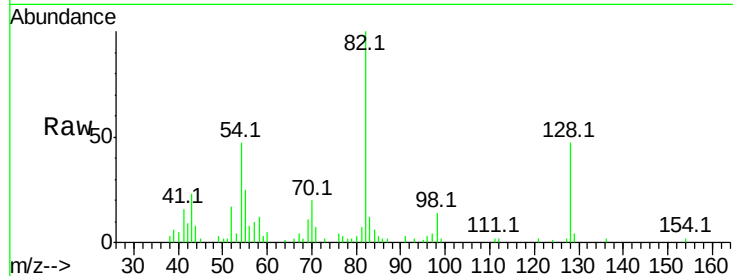




#23
 Nitrobenzene-d5
 Concen: 3.61 ng
 RT: 6.41 min Scan# 761
 Delta R.T. -0.00 min
 Lab File: BF094508.D
 Acq: 19 Apr 2017 1:18

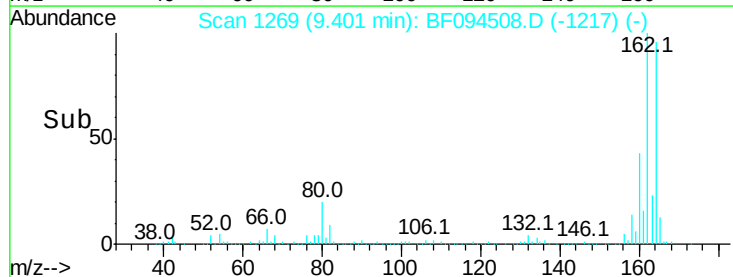
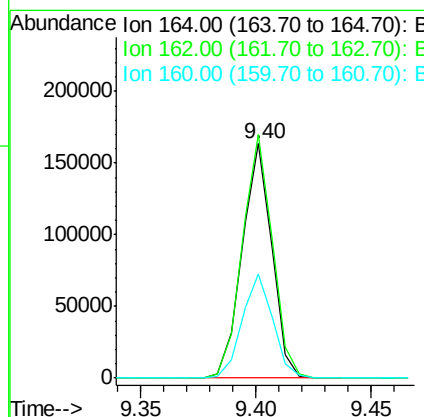
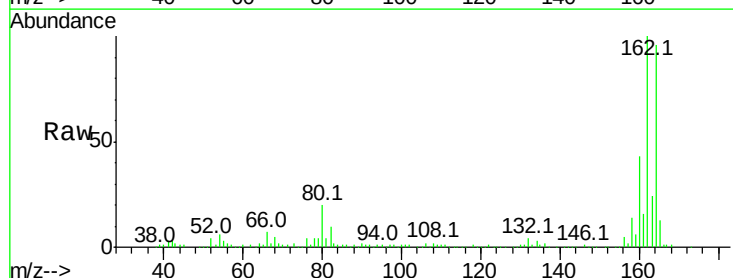
Instrument :
 BNA_F
 ClientSampleId :

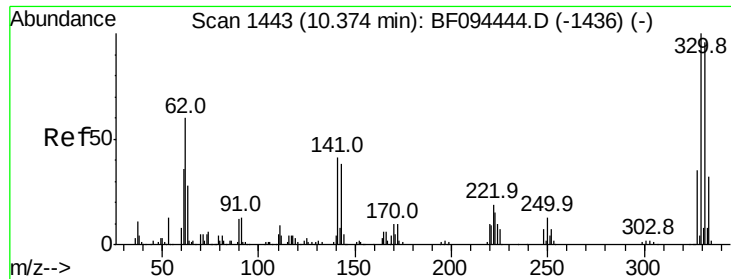
Tot Ion	82	Resp	22763
Ion Ratio	100	Lower	Upper
128	46.9	34.0	51.0
54	47.3	42.2	63.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.40 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: BF094508.D
 Acq: 19 Apr 2017 1:18

Tgt Ion	164	Resp	146199
Ion Ratio	100	Lower	Upper
162	103.8	82.6	123.8
160	44.6	36.2	54.2

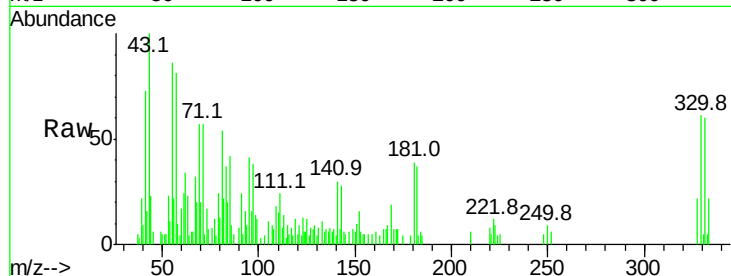




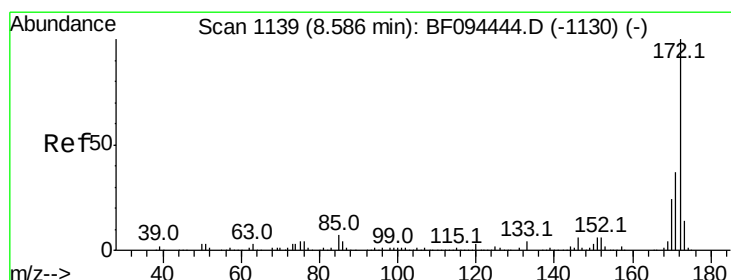
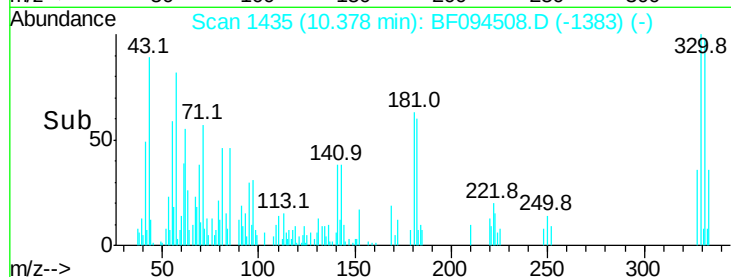
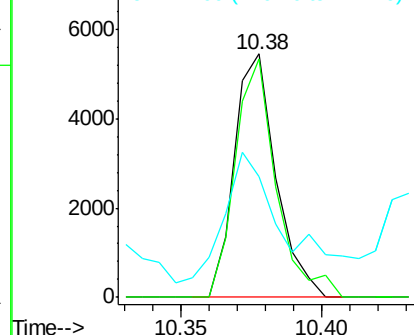
#41
 2,4,6-Tribromophenol
 Concen: 4.88 ng
 RT: 10.38 min Scan# 1435
 Delta R.T. 0.00 min
 Lab File: BF094508.D
 Acq: 19 Apr 2017 1:18

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 5579
 Ion Ratio Lower Upper
 330 100
 332 96.6 76.6 115.0
 141 79.3 31.4 47.2#

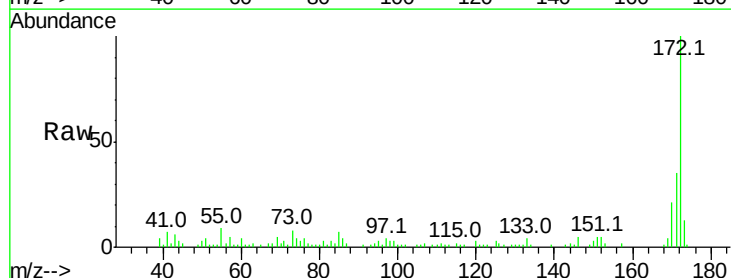


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

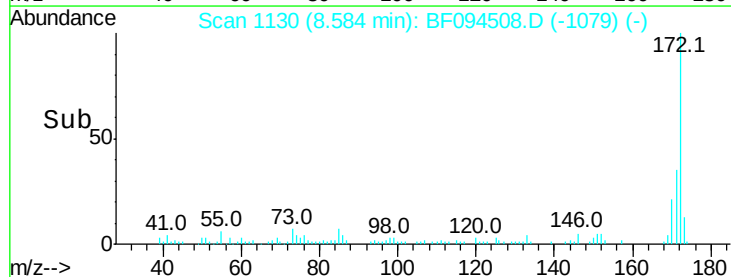
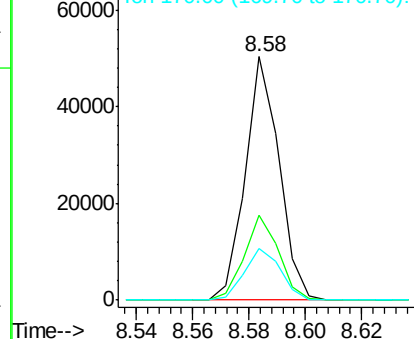


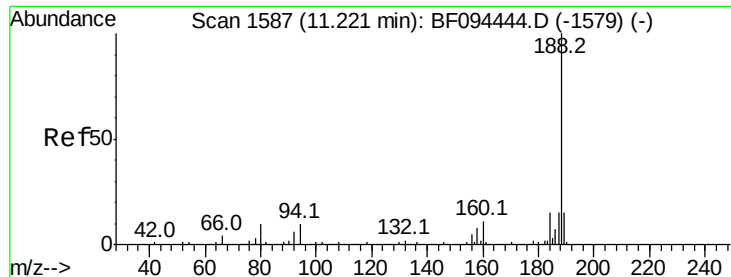
#44
 2-Fluorobiphenyl
 Concen: 4.20 ng
 RT: 8.58 min Scan# 1130
 Delta R.T. -0.00 min
 Lab File: BF094508.D
 Acq: 19 Apr 2017 1:18

Tgt Ion:172 Resp: 41769
 Ion Ratio Lower Upper
 172 100
 171 35.1 29.6 44.4
 170 21.3 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

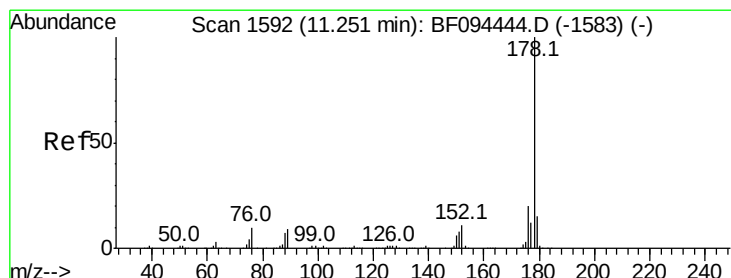
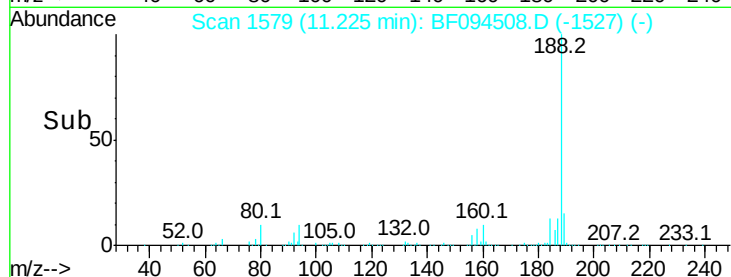
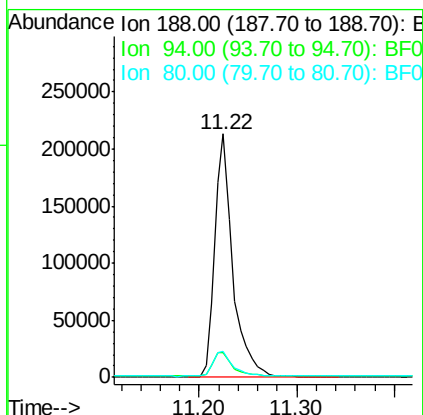
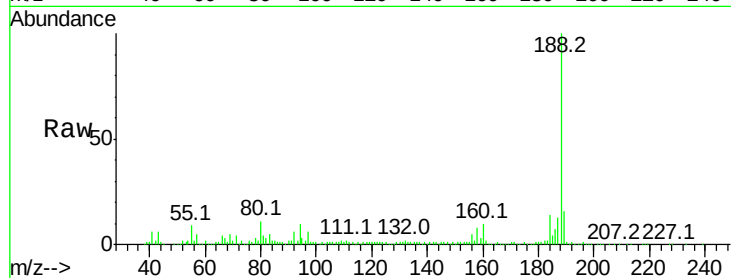




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.22 min Scan# 1579
Delta R.T. 0.00 min
Lab File: BF094508.D
Acq: 19 Apr 2017 1:18

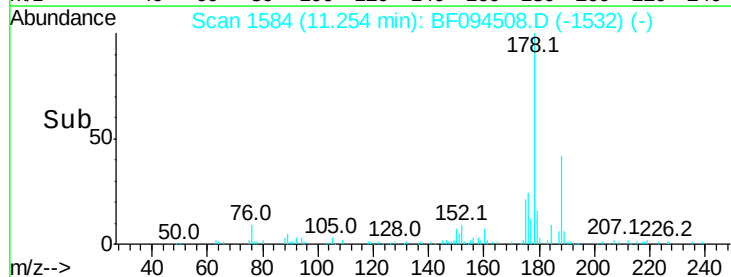
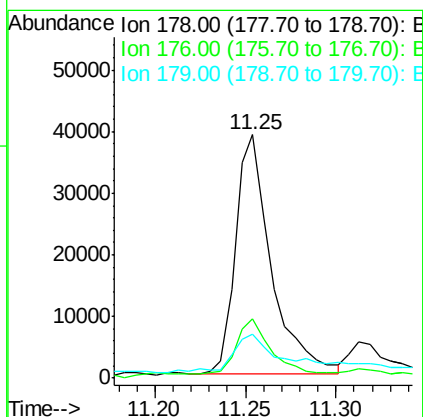
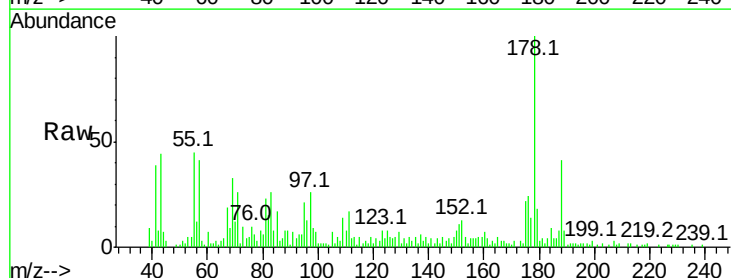
Instrument :
BNA_F
ClientSampled :

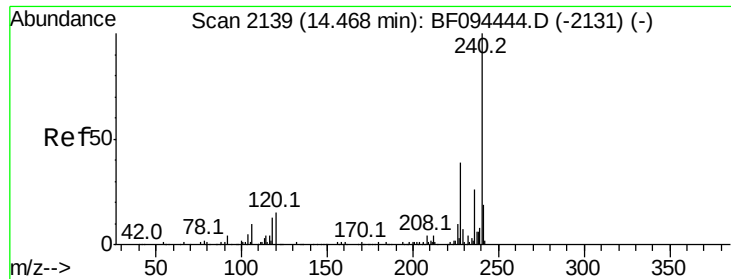
Tot Ion:188 Resp: 273599
Ion Ratio Lower Upper
188 100
94 10.4 9.4 14.2
80 10.6 10.2 15.2



#70
Phenanthrene
Concen: 3.46 ng
RT: 11.25 min Scan# 1584
Delta R.T. 0.00 min
Lab File: BF094508.D
Acq: 19 Apr 2017 1:18

Tgt Ion:178 Resp: 53383
Ion Ratio Lower Upper
178 100
176 24.3 16.2 24.4
179 18.2 12.6 19.0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.51 min Scan# 2138

Delta R.T. 0.04 min

Lab File: BF094508.D

Acq: 19 Apr 2017 1:18

Instrument :

BNA_F

ClientSampleId :

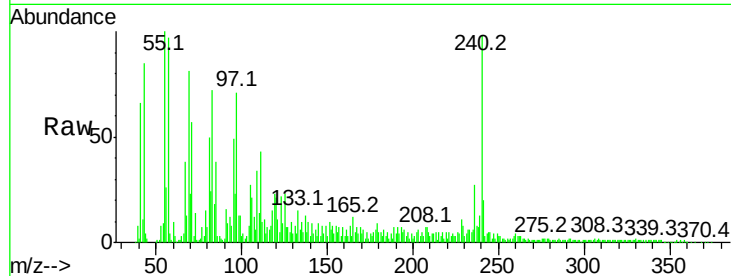
Tot Ion:240 Resp: 201618

Ion Ratio Lower Upper

240 100

120 21.9 5.8 8.8#

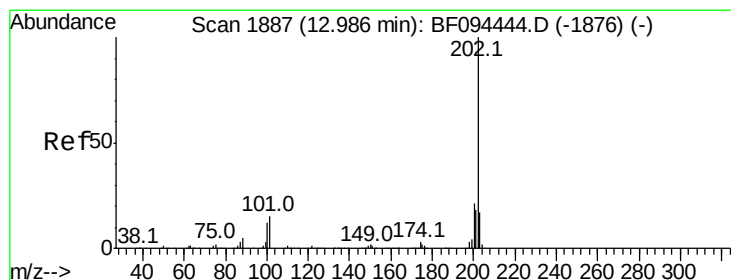
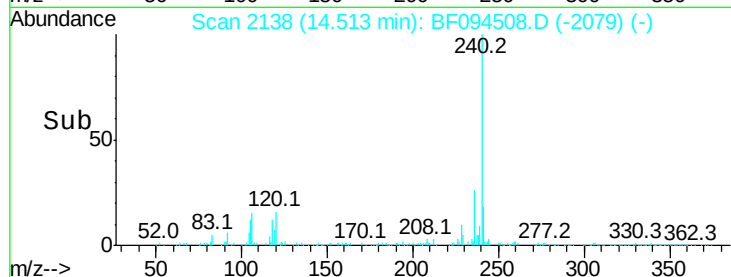
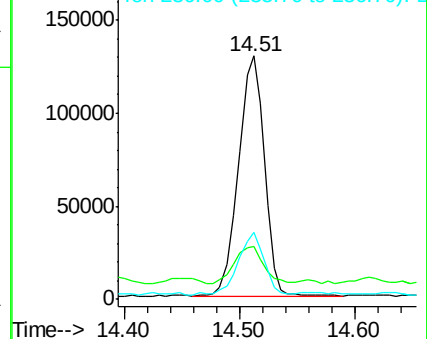
236 27.6 20.5 30.7



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: 2.78 ng

RT: 13.02 min Scan# 1884

Delta R.T. 0.03 min

Lab File: BF094508.D

Acq: 19 Apr 2017 1:18

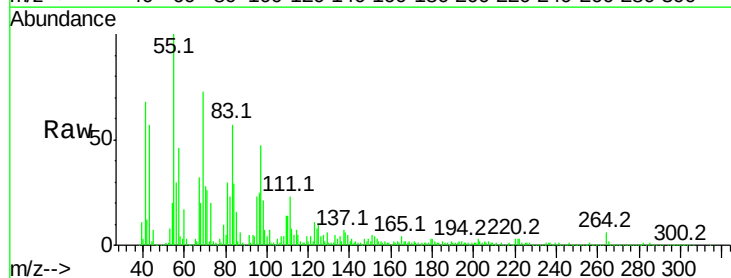
Tgt Ion:202 Resp: 39188

Ion Ratio Lower Upper

202 100

200 32.2 17.6 26.4#

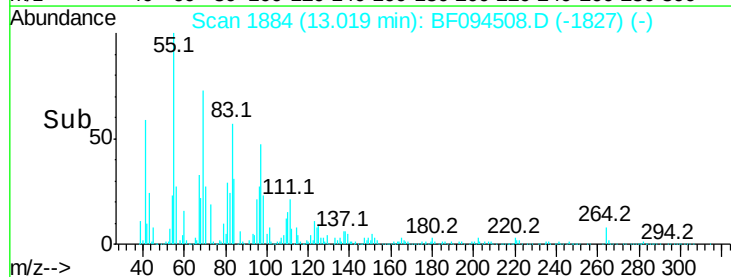
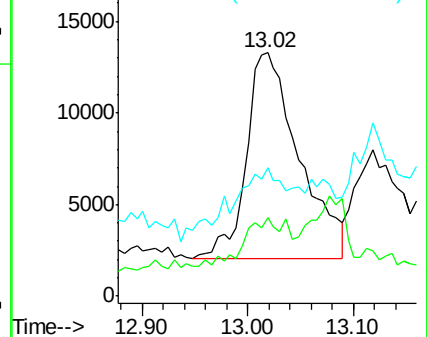
203 52.9 14.4 21.6#

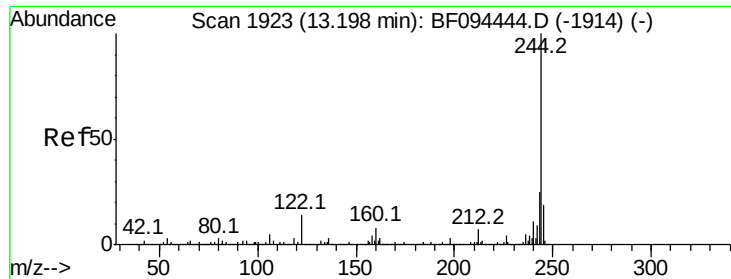


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 4.06 ng

RT: 13.22 min Scan# 1919

Delta R.T. 0.03 min

Lab File: BF094508.D

Acq: 19 Apr 2017 1:18

Instrument :

BNA_F

ClientSampled :

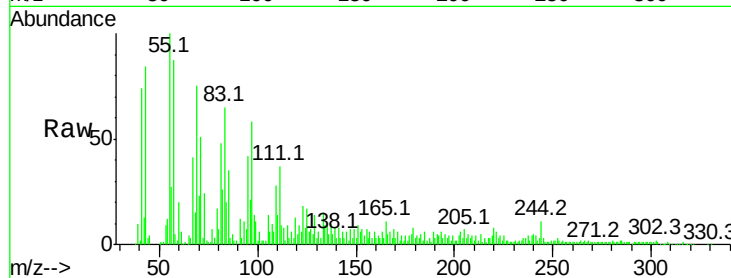
Tot Ion:244 Resp: 30652

Ion Ratio Lower Upper

244 100

212 16.9 6.0 9.0#

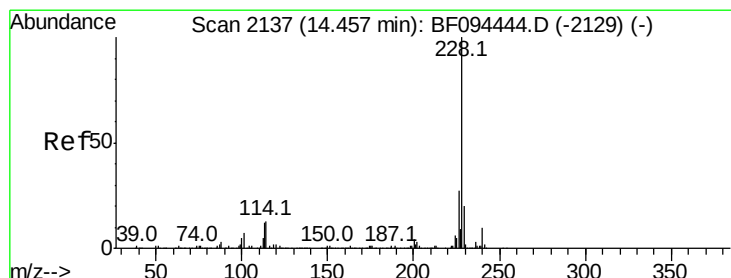
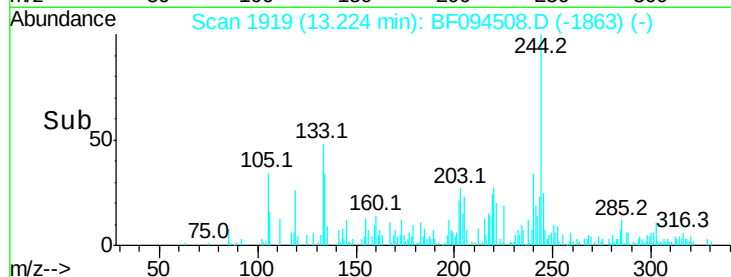
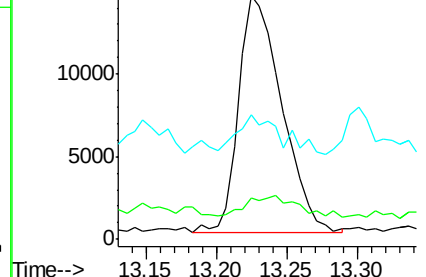
122 51.0 10.3 15.5#



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: 3.46 ng

RT: 14.50 min Scan# 2136

Delta R.T. 0.04 min

Lab File: BF094508.D

Acq: 19 Apr 2017 1:18

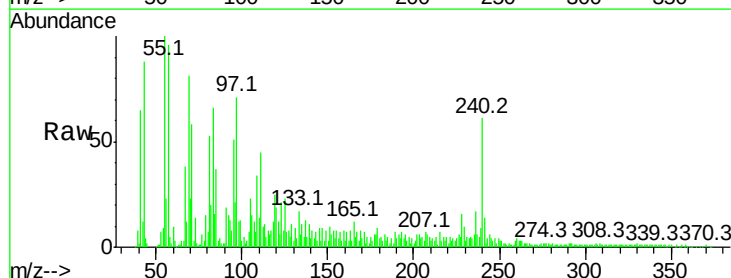
Tgt Ion:228 Resp: 40514

Ion Ratio Lower Upper

228 100

226 35.9 22.6 33.8#

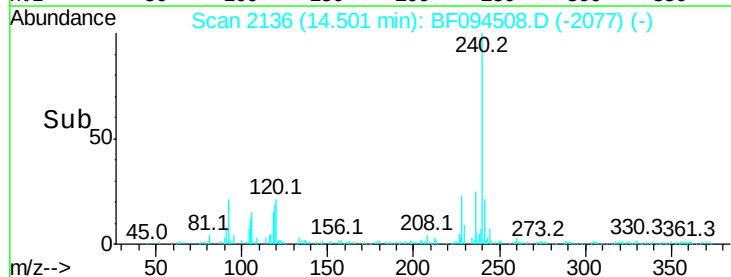
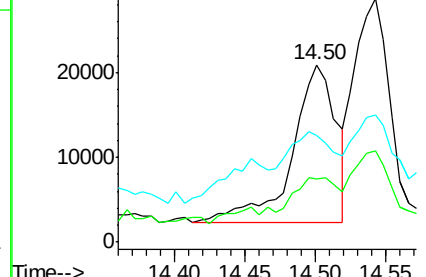
229 60.2 16.3 24.5#

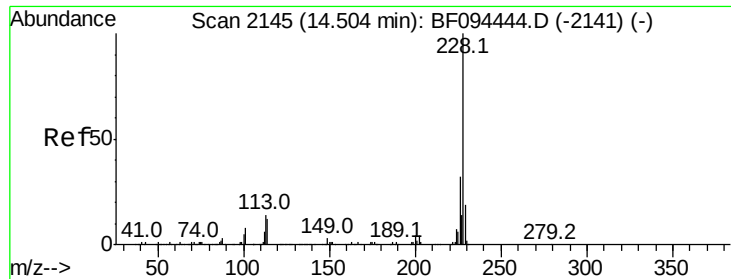


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

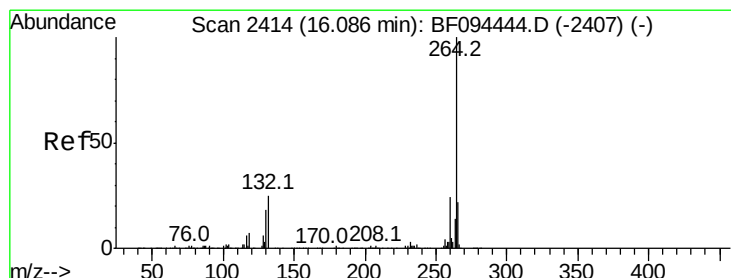
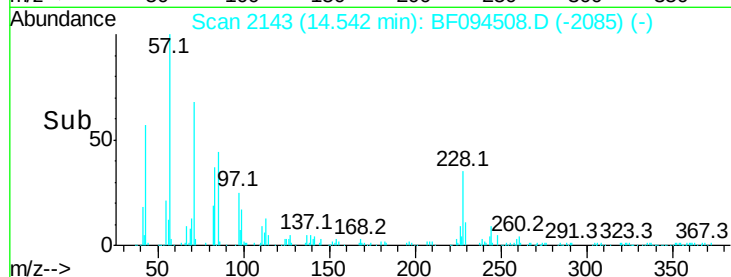
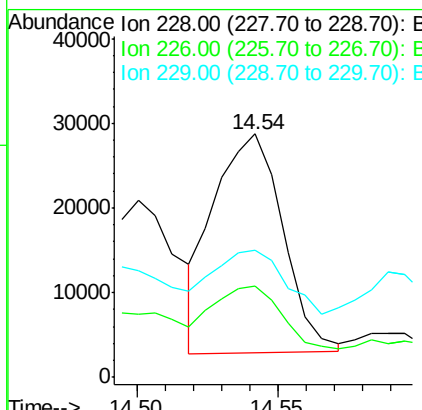
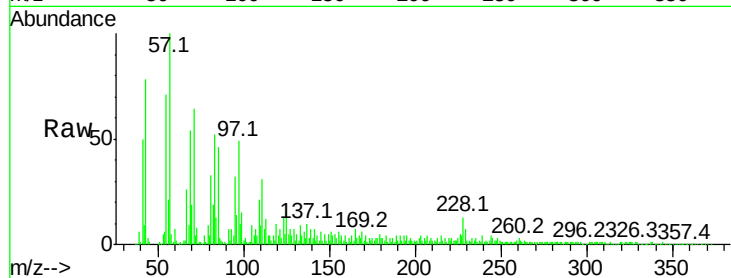




#82
Chrysene
Concen: 4.08 ng
RT: 14.54 min Scan# 2143
Delta R.T. 0.04 min
Lab File: BF094508.D
Acq: 19 Apr 2017 1:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 43743
Ion Ratio Lower Upper
228 100
226 37.4 24.9 37.3#
229 52.1 15.8 23.6#



#86
Perylene-d12
Concen: 20.00 ng
RT: 16.12 min Scan# 2412
Delta R.T. 0.04 min
Lab File: BF094508.D
Acq: 19 Apr 2017 1:18

Tgt Ion:264 Resp: 159995
Ion Ratio Lower Upper
264 100
260 24.1 19.5 29.3
265 22.7 17.2 25.8

