

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041817\
 Data File : BF094505.D
 Acq On : 18 Apr 2017 23:55
 Operator : SJ/MA
 Sample : I2708-05
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 19 03:03:14 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

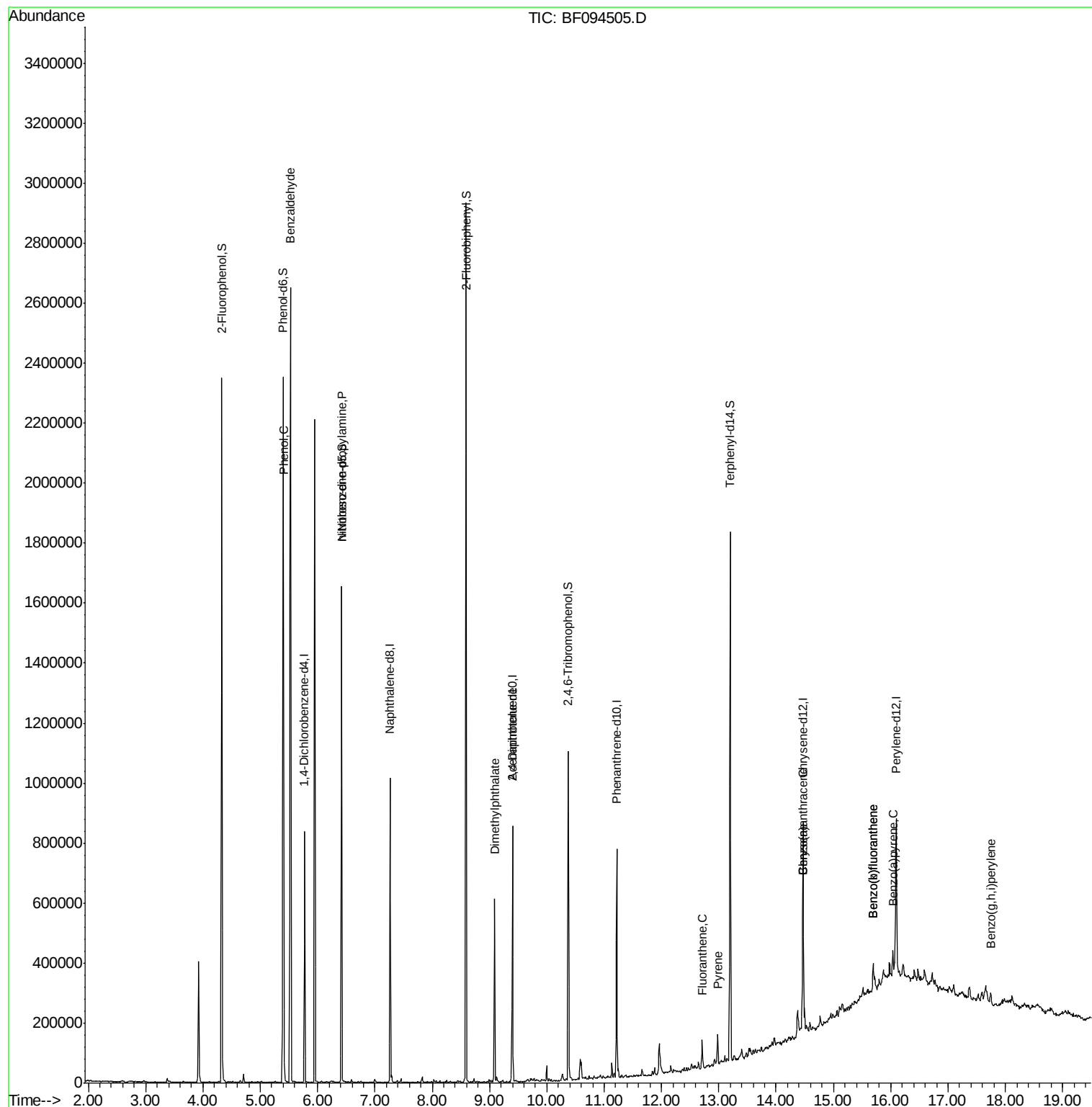
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.77	152	122591	20.00	ng	0.00
21) Naphthalene-d8	7.27	136	446012	20.00	ng	0.00
38) Acenaphthene-d10	9.40	164	181466	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	291424	20.00	ng	0.00
75) Chrysene-d12	14.47	240	277997	20.00	ng	0.00
86) Perylene-d12	16.09	264	201359	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.32	112	719258	97.34	ng	0.02
7) Phenol-d6	5.40	99	920733	105.70	ng	0.00
23) Nitrobenzene-d5	6.42	82	603585	83.56	ng	0.00
41) 2,4,6-Tribromophenol	10.38	330	135170	95.23	ng	0.00
44) 2-Fluorobiphenyl	8.59	172	946489	76.74	ng	0.00
78) Terphenyl-d14	13.20	244	633895	60.95	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	5.52	77	15590	2.35	ng	83
10) Phenol	5.41	94	21657	2.02	ng	97
19) n-Nitroso-di-n-propylamine	6.42	70	79776	13.82	ng	# 77
49) Dimethylphthalate	9.09	163	250591	18.53	ng	99
56) 2,4-Dinitrotoluene	9.40	165	22561	6.06	ng	# 33
74) Fluoranthene	12.71	202	39767	2.34	ng	99
77) Pyrene	12.98	202	41340	2.13	ng	97
80) Benzo(a)anthracene	14.45	228	34389	2.13	ng	98
82) Chrysene	14.45	228	34389	2.33	ng	95
87) Benzo(b)fluoranthene	15.69	252	68058	5.53	ng	# 92
88) Benzo(k)fluoranthene	15.69	252	68058	5.84	ng	96
89) Benzo(a)pyrene	16.04	252	39544	3.45	ng	# 92
91) Benzo(a,h,i)perylene	17.74	276	31013	3.20	ng	96

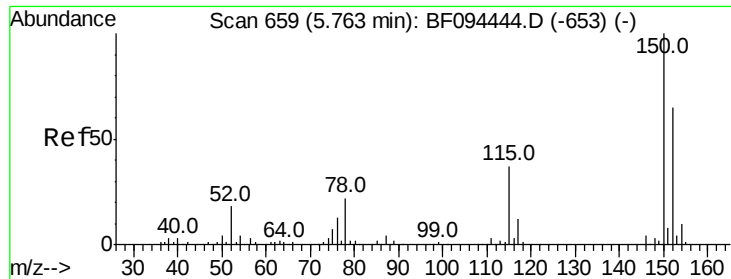
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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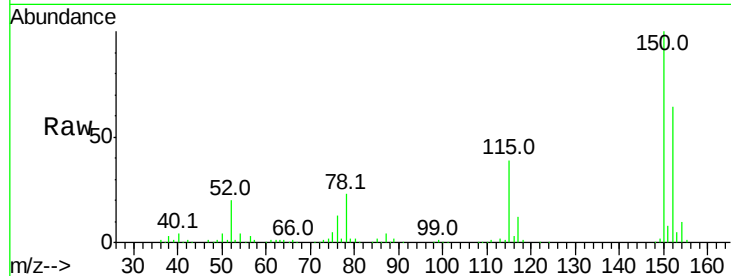


#1

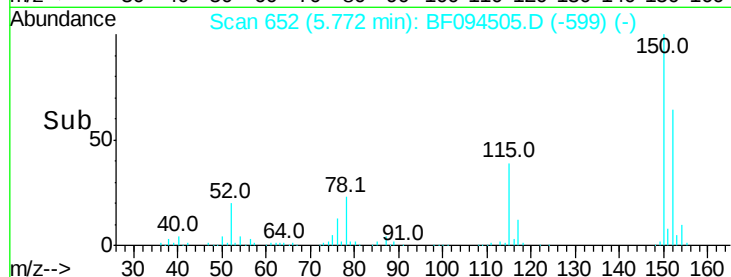
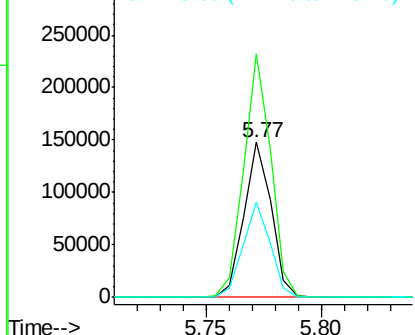
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.77 min Scan# 652
Delta R.T. 0.01 min
Lab File: BF094505.D
Acq: 18 Apr 2017 23:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.2	126.2	189.2
115	61.7	52.2	78.2



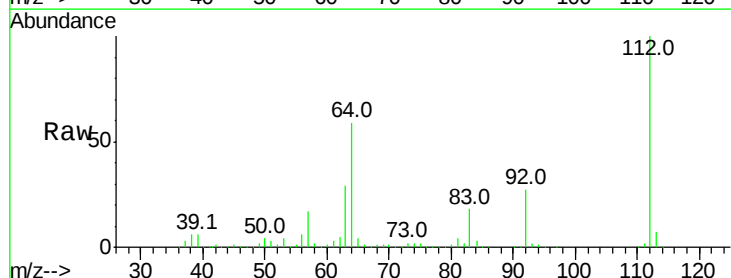
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



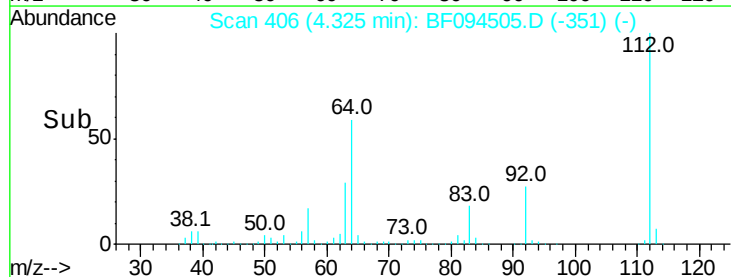
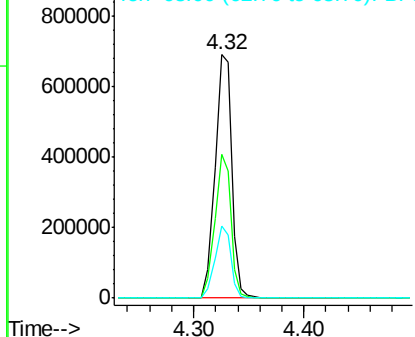
#5

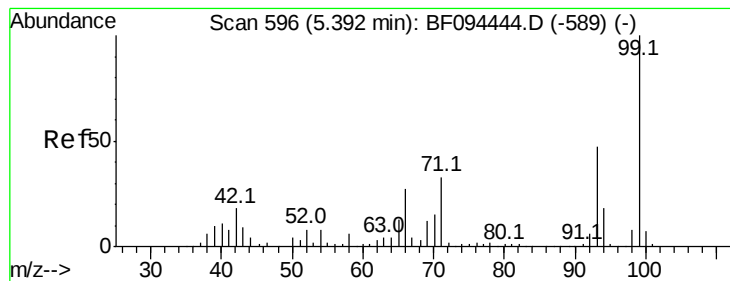
2-Fluorophenol
Concen: 97.34 ng
RT: 4.32 min Scan# 406
Delta R.T. 0.02 min
Lab File: BF094505.D
Acq: 18 Apr 2017 23:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.2	46.0	69.0
63	29.5	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: 105.70 ng

RT: 5.40 min Scan# 589

Delta R.T. 0.01 min

Lab File: BF094505.D

Acq: 18 Apr 2017 23:55

Instrument :

BNA_F

ClientSampled :

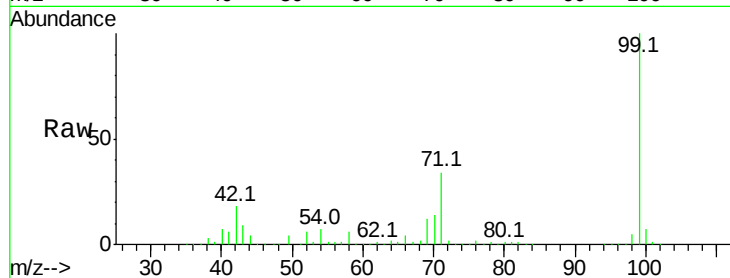
Tot Ion: 99 Resp: 920733

Ion Ratio Lower Upper

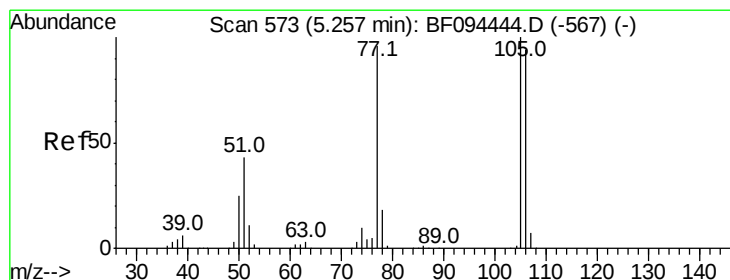
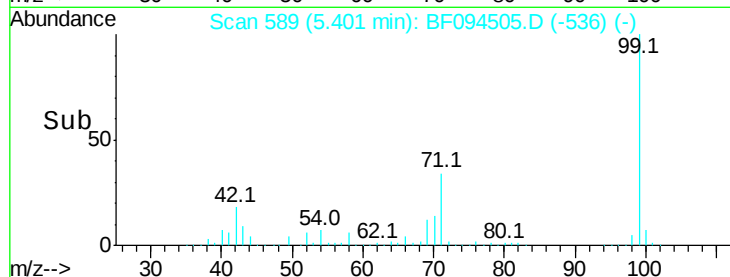
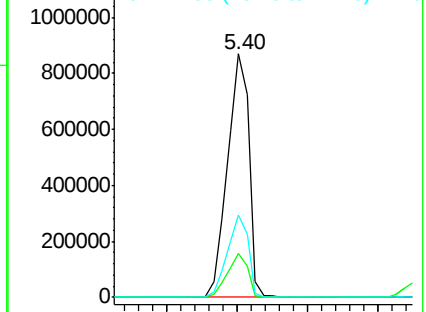
99 100

42 17.9 13.5 20.3

71 33.6 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



#9

Benzaldehyde

Concen: 2.35 ng

RT: 5.52 min Scan# 610

Delta R.T. 0.27 min

Lab File: BF094505.D

Acq: 18 Apr 2017 23:55

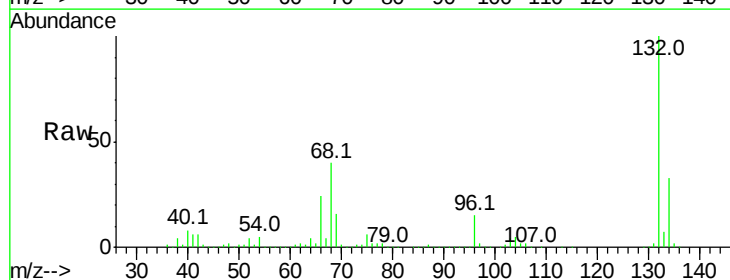
Tgt Ion: 77 Resp: 15590

Ion Ratio Lower Upper

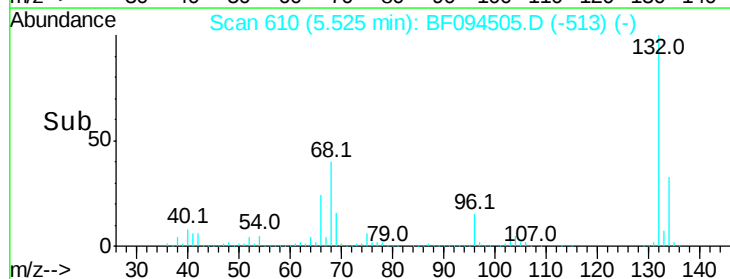
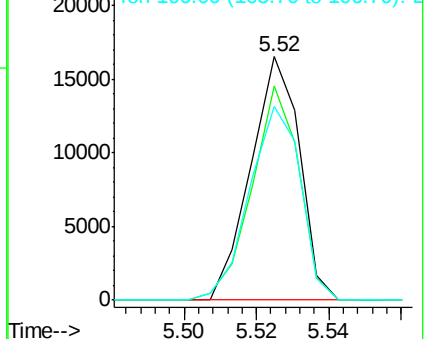
77 100

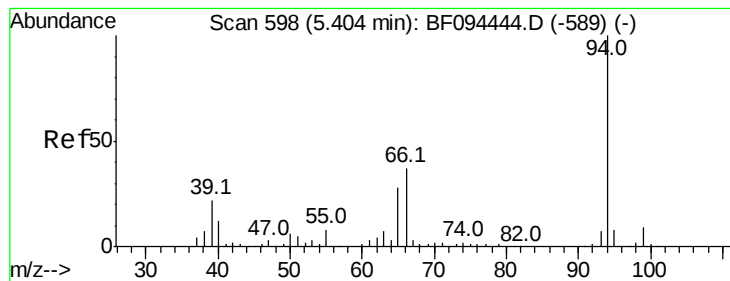
105 87.9 83.8 123.8

106 79.7 79.1 119.1



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): BF0
Ion 106.00 (105.70 to 106.70): BF0





#10

Phenol

Concen: 2.02 ng

RT: 5.41 min Scan# 591

Delta R.T. 0.01 min

Lab File: BF094505.D

Acq: 18 Apr 2017 23:55

Instrument :

BNA_F

ClientSampled :

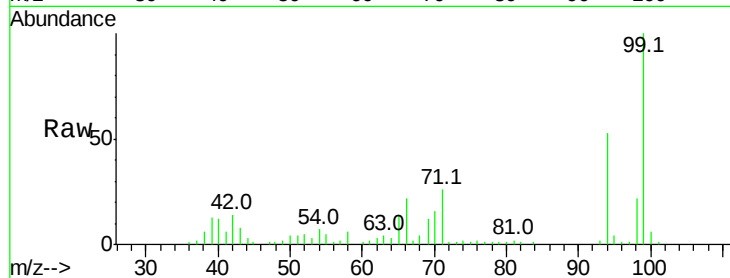
Tot Ion: 94 Resp: 21657

Ion Ratio Lower Upper

94 100

65 26.8 9.9 49.9

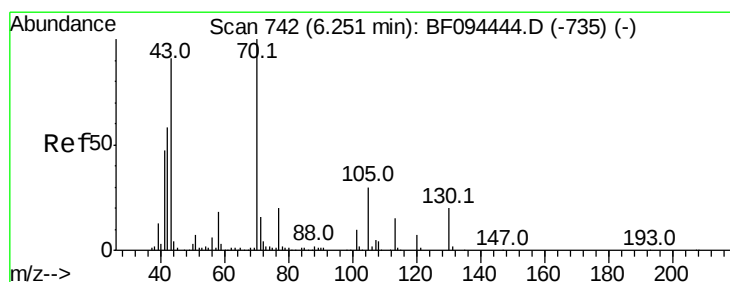
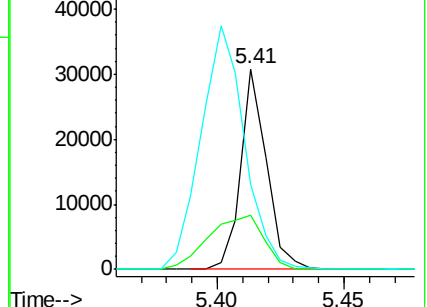
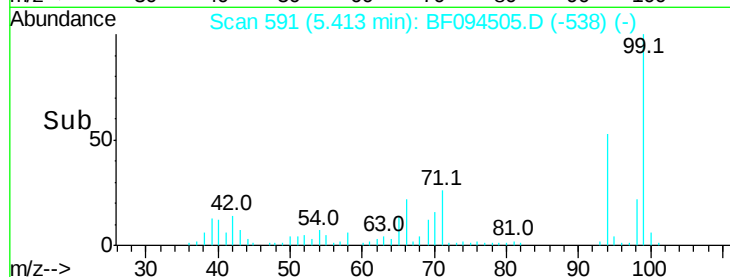
66 42.3 23.1 63.1



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 13.82 ng

RT: 6.42 min Scan# 762

Delta R.T. 0.17 min

Lab File: BF094505.D

Acq: 18 Apr 2017 23:55

Tgt Ion: 70 Resp: 79776

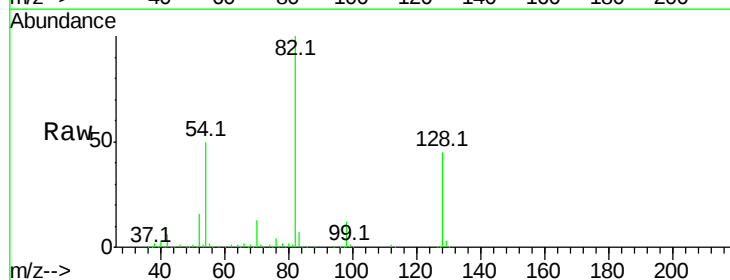
Ion Ratio Lower Upper

70 100

42 46.4 47.2 70.8#

101 0.0 7.2 10.8#

130 2.2 15.9 23.9#

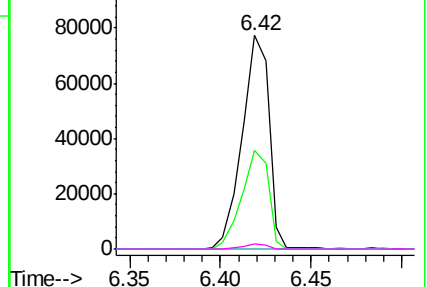
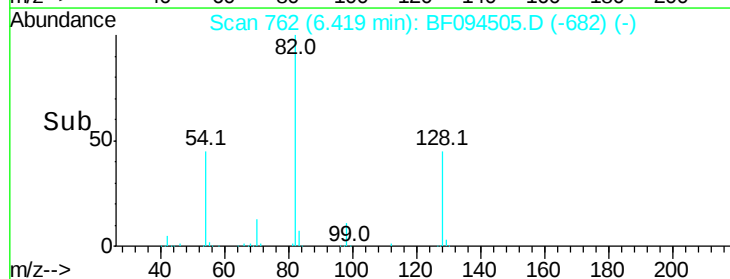


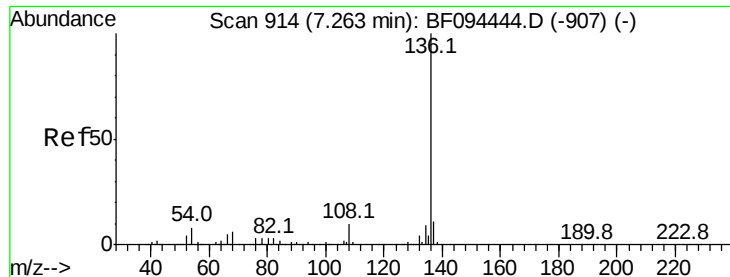
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.27 min Scan# 906

Delta R.T. 0.00 min

Lab File: BF094505.D

Acq: 18 Apr 2017 23:55

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 446012

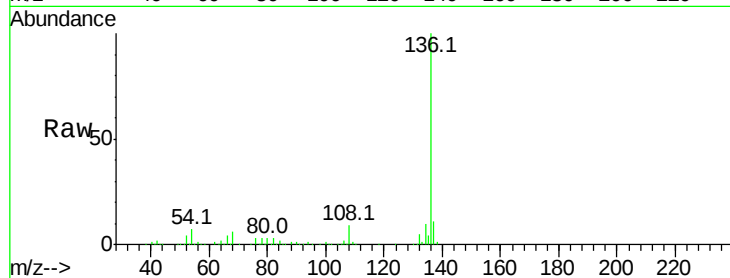
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 7.3 4.9 7.3

68 5.7 4.1 6.1

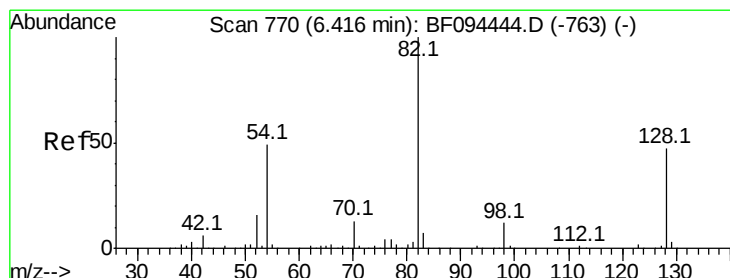
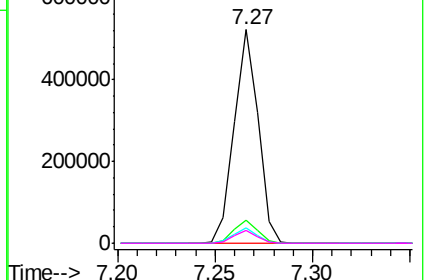
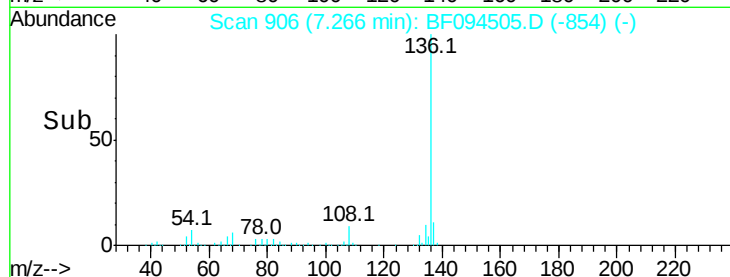


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 83.56 ng

RT: 6.42 min Scan# 762

Delta R.T. 0.00 min

Lab File: BF094505.D

Acq: 18 Apr 2017 23:55

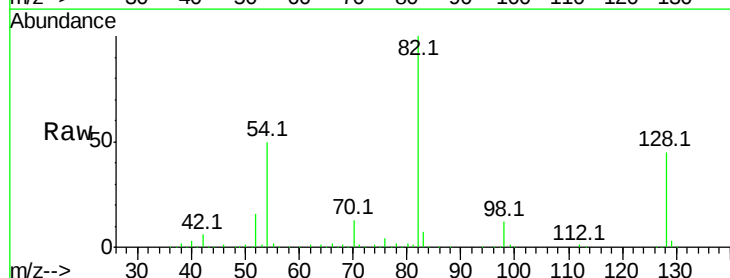
Tgt Ion: 82 Resp: 603585

Ion Ratio Lower Upper

82 100

128 45.4 34.0 51.0

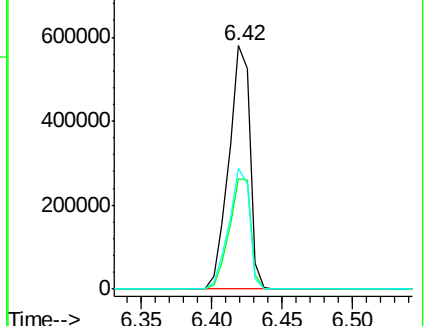
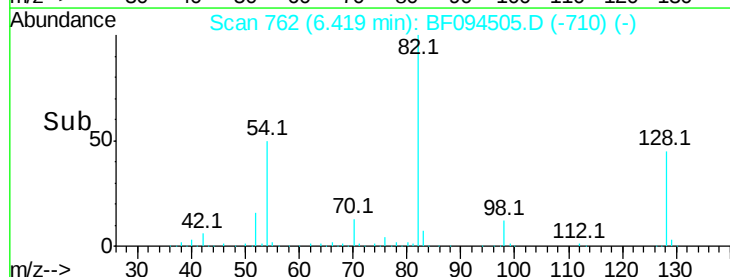
54 49.6 42.2 63.2

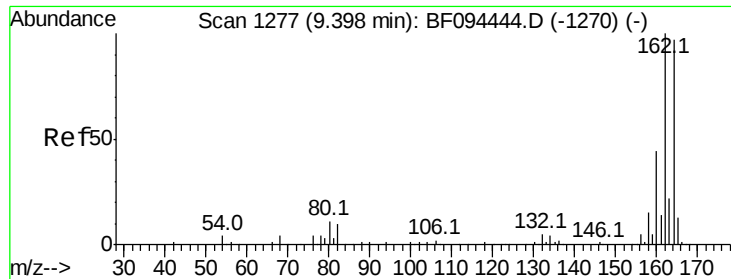


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 9.40 min Scan# 1269

Delta R.T. 0.00 min

Lab File: BF094505.D

Acq: 18 Apr 2017 23:55

Instrument :

BNA_F

ClientSampleId :

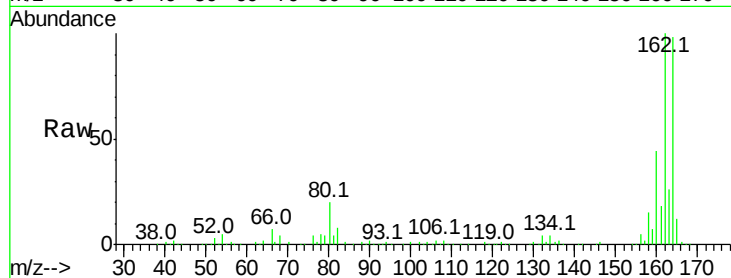
Tot Ion:164 Resp: 181466

Ion Ratio Lower Upper

164 100

162 101.6 82.6 123.8

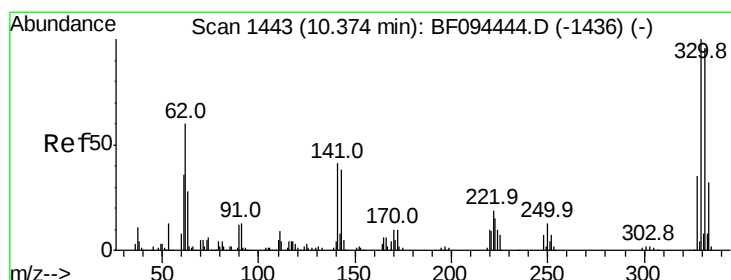
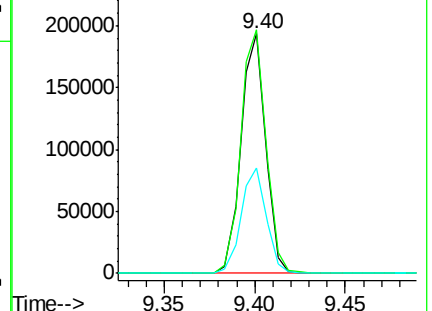
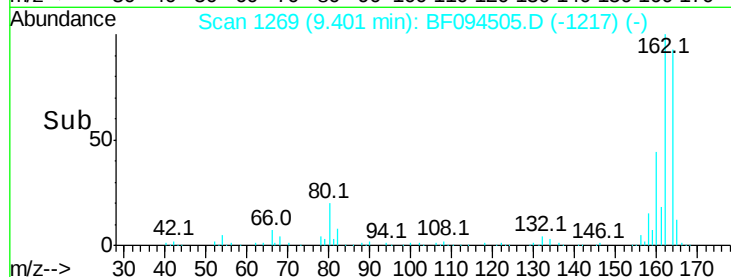
160 44.2 36.2 54.2



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: 95.23 ng

RT: 10.38 min Scan# 1435

Delta R.T. 0.00 min

Lab File: BF094505.D

Acq: 18 Apr 2017 23:55

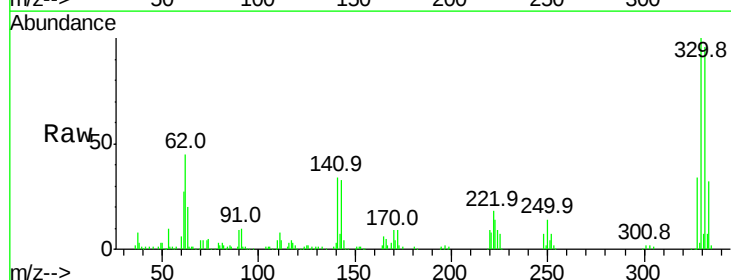
Tgt Ion:330 Resp: 135170

Ion Ratio Lower Upper

330 100

332 95.6 76.6 115.0

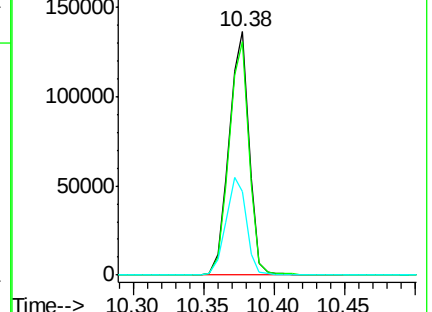
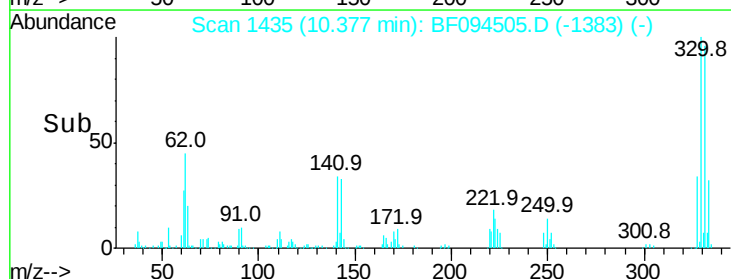
141 41.1 31.4 47.2

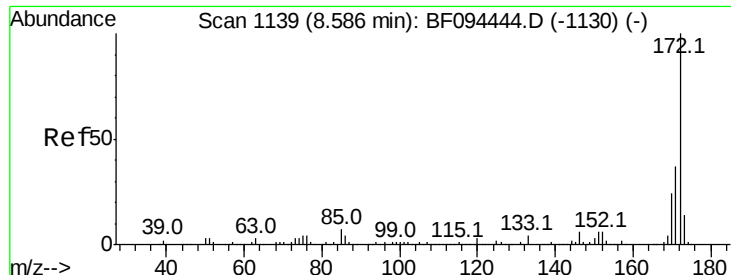


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

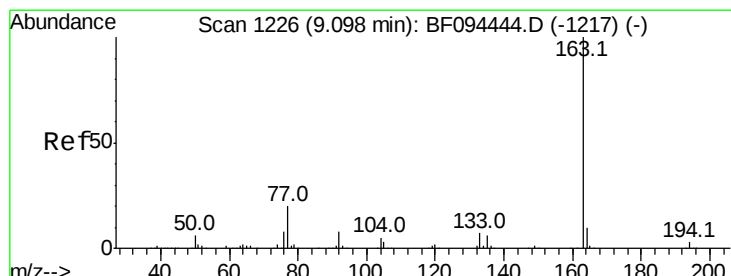
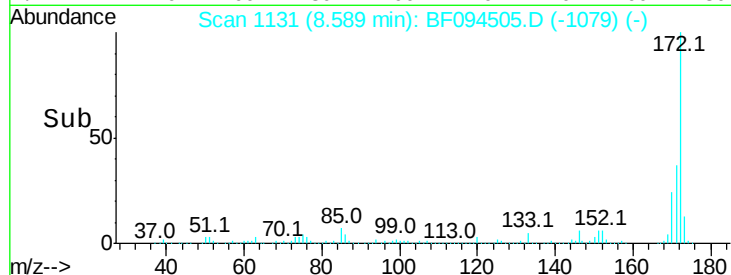
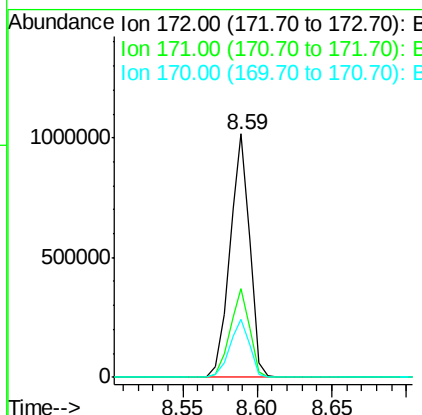
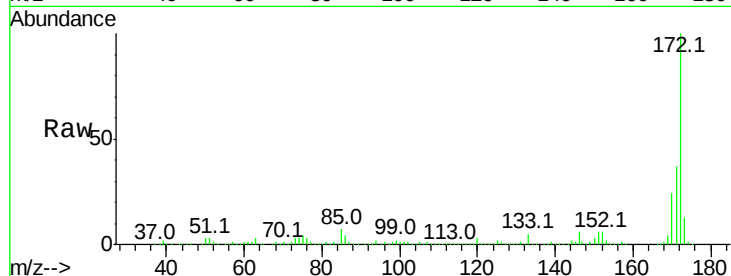




#44
 2-Fluorobiphenyl
 Concen: 76.74 ng
 RT: 8.59 min Scan# 1131
 Delta R.T. 0.00 min
 Lab File: BF094505.D
 Acq: 18 Apr 2017 23:55

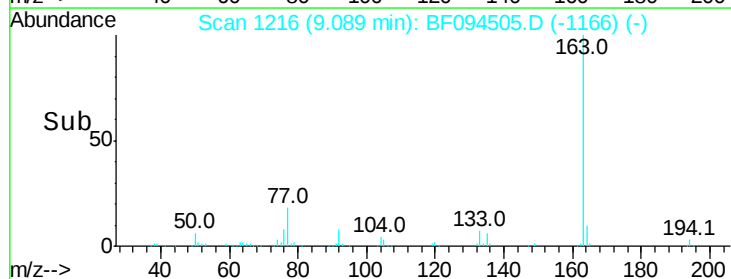
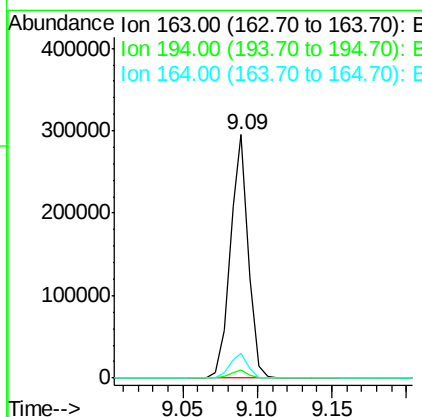
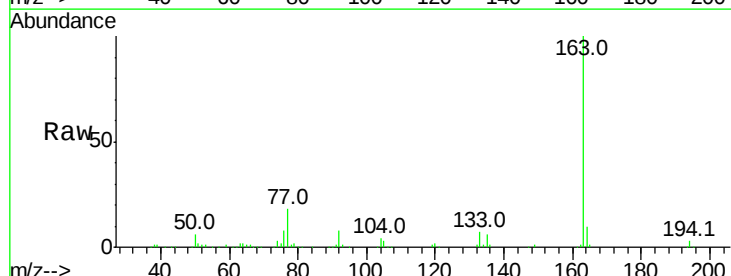
Instrument :
 BNA_F
 ClientSampled :

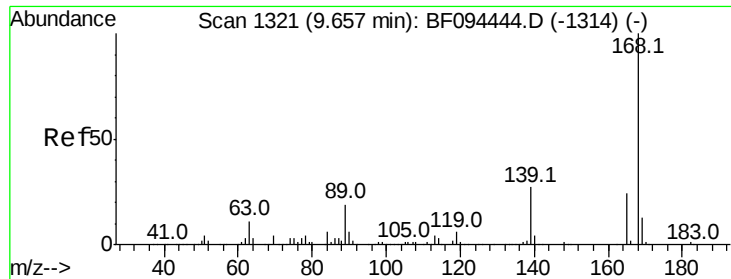
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.6	44.4
170	24.0	19.8	29.8



#49
 Dimethylphthalate
 Concen: 18.53 ng
 RT: 9.09 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF094505.D
 Acq: 18 Apr 2017 23:55

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.6	4.0
164	9.9	8.4	12.6

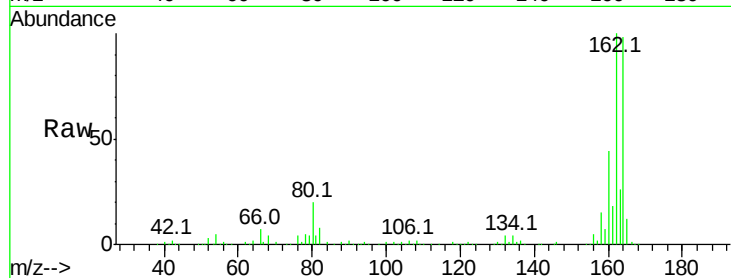




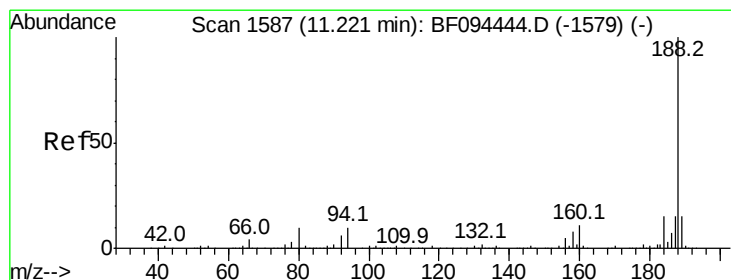
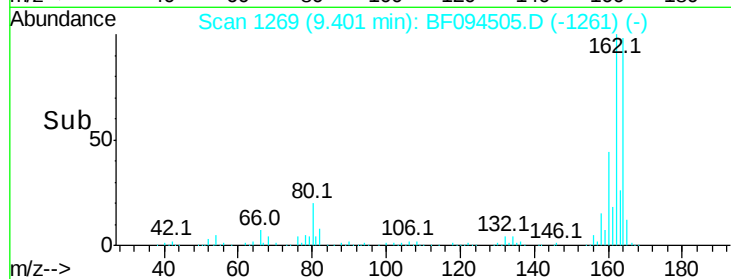
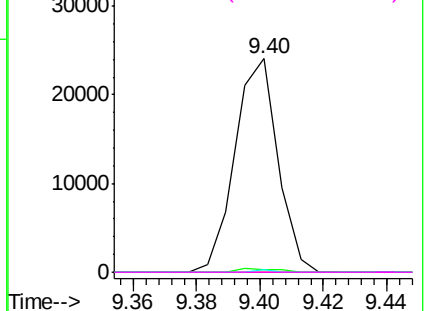
#56
 2,4-Dinitrotoluene
 Concen: 6.06 ng
 RT: 9.40 min Scan# 1269
 Delta R.T. -0.26 min
 Lab File: BF094505.D
 Acq: 18 Apr 2017 23:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 22561
 Ion Ratio Lower Upper
 165 100
 63 1.4 25.4 38.0#
 89 1.3 46.4 69.6#
 182 0.0 1.8 2.6#

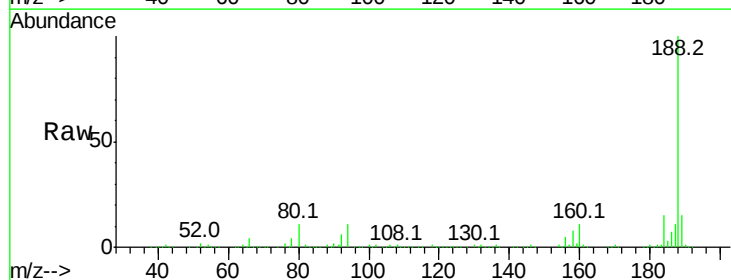


Abundance Ion 165.00 (164.70 to 165.70): E

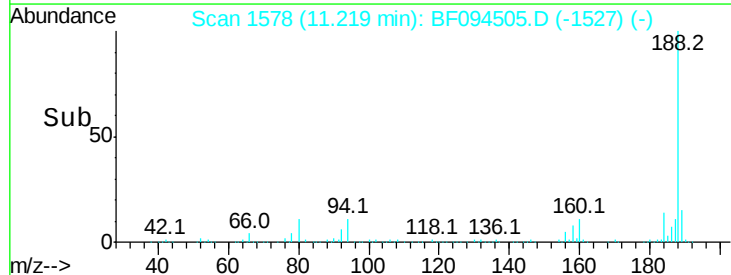
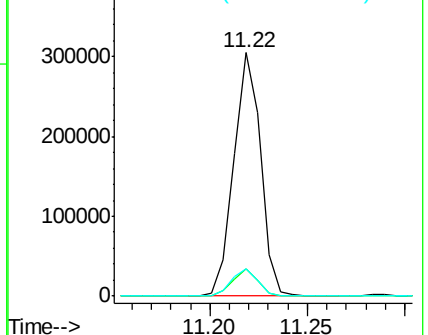


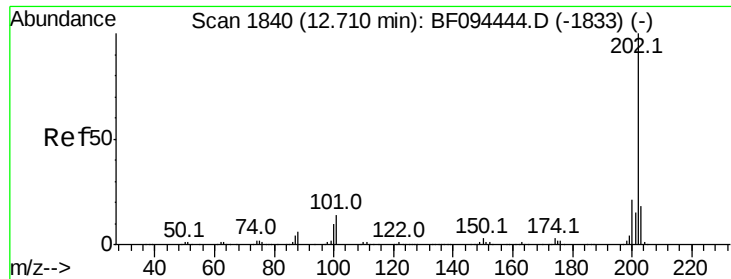
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.22 min Scan# 1578
 Delta R.T. -0.00 min
 Lab File: BF094505.D
 Acq: 18 Apr 2017 23:55

Tgt Ion:188 Resp: 291424
 Ion Ratio Lower Upper
 188 100
 94 11.0 9.4 14.2
 80 11.5 10.2 15.2



Abundance Ion 188.00 (187.70 to 188.70): E





#74

Fluoranthene

Concen: 2.34 ng

RT: 12.71 min Scan# 1831

Delta R.T. -0.00 min

Lab File: BF094505.D

Acq: 18 Apr 2017 23:55

Instrument :

BNA_F

ClientSampled :

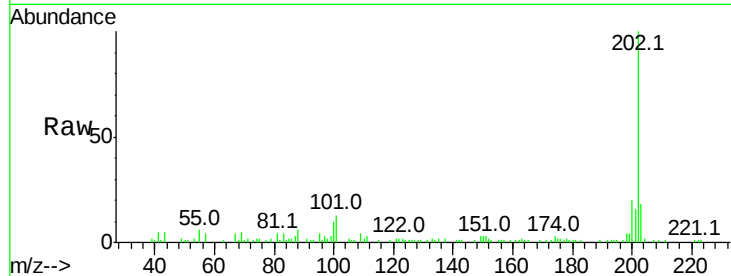
Tot Ion:202 Resp: 39767

Ion Ratio Lower Upper

202 100

101 13.4 0.0 33.2

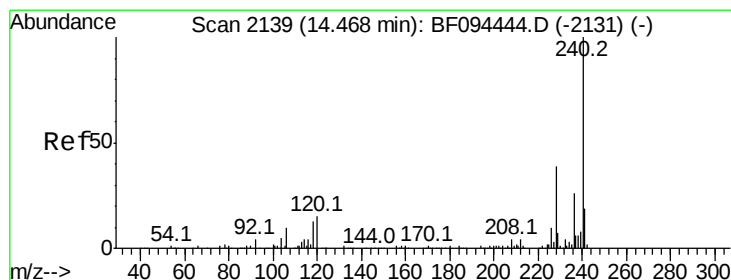
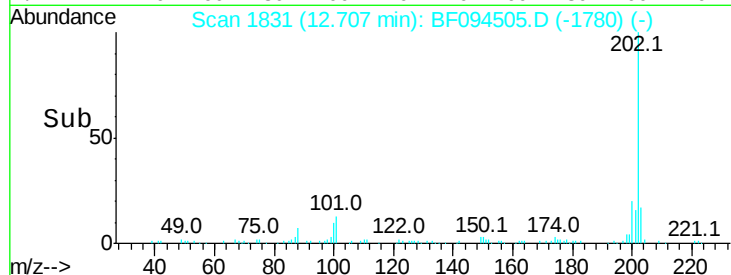
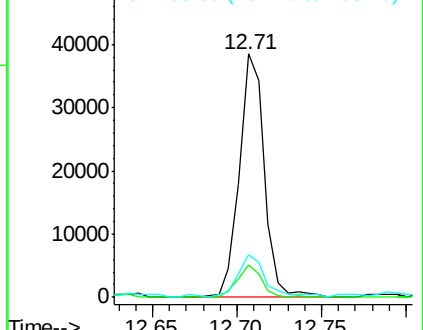
203 17.6 0.0 38.1



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: 14.47 min Scan# 2131

Delta R.T. 0.00 min

Lab File: BF094505.D

Acq: 18 Apr 2017 23:55

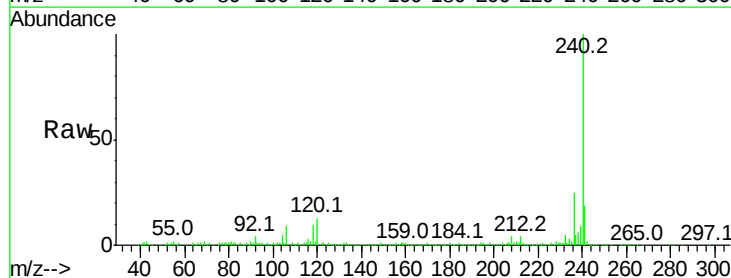
Tgt Ion:240 Resp: 277997

Ion Ratio Lower Upper

240 100

120 13.3 5.8 8.8#

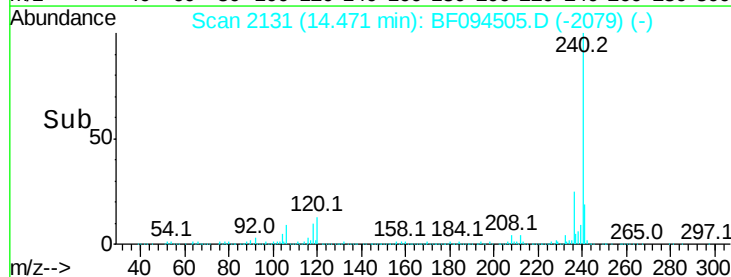
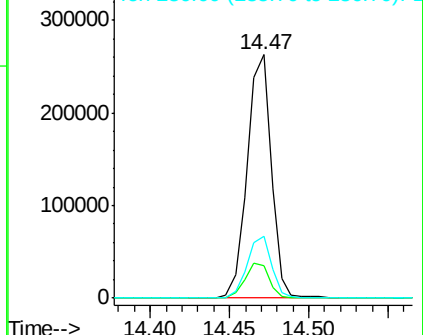
236 25.4 20.5 30.7

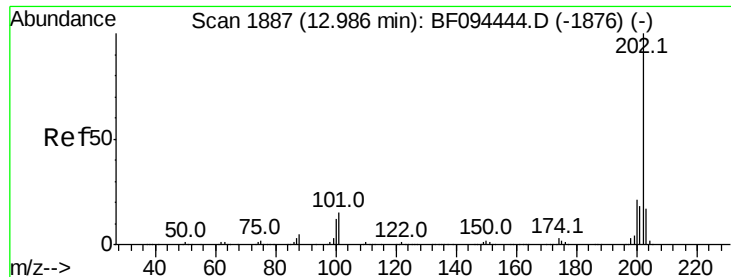


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 2.13 ng

RT: 12.98 min Scan# 1878

Delta R.T. -0.00 min

Lab File: BF094505.D

Acq: 18 Apr 2017 23:55

Instrument :

BNA_F

ClientSampleId :

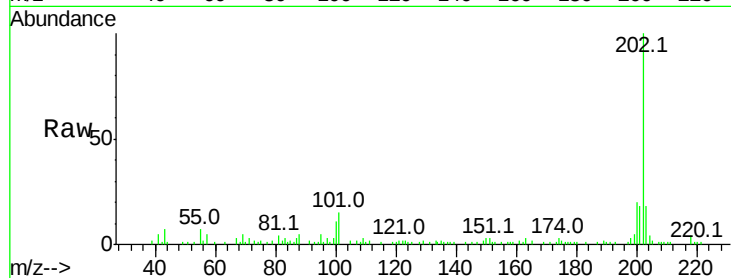
Tot Ion:202 Resp: 41340

Ion Ratio Lower Upper

202 100

200 19.7 17.6 26.4

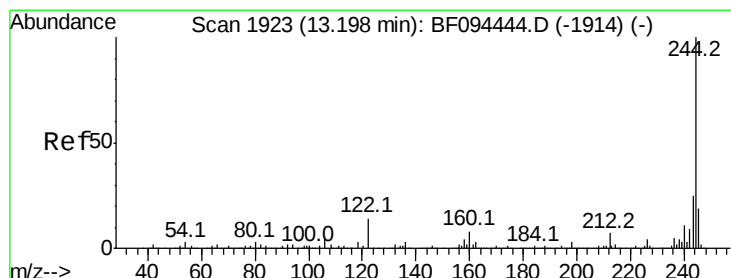
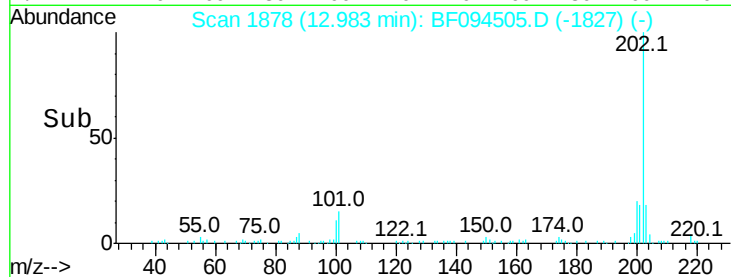
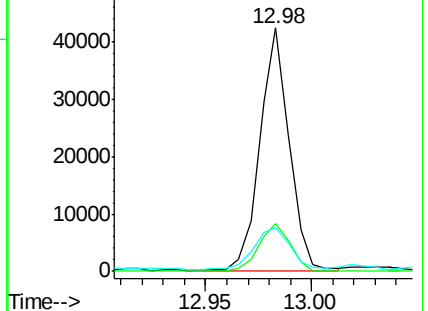
203 17.8 14.4 21.6



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: 60.95 ng

RT: 13.20 min Scan# 1915

Delta R.T. 0.00 min

Lab File: BF094505.D

Acq: 18 Apr 2017 23:55

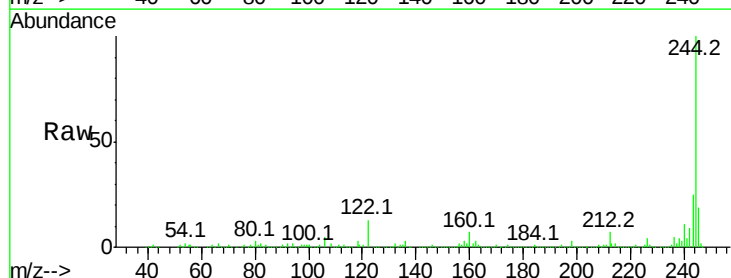
Tgt Ion:244 Resp: 633895

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

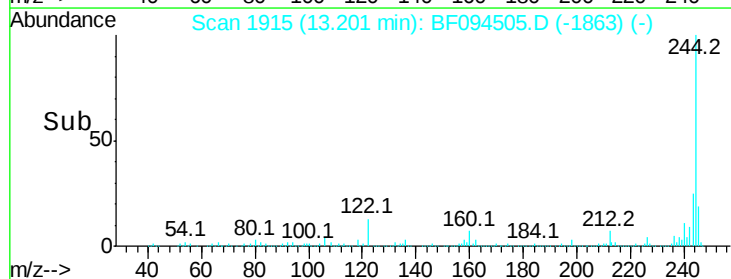
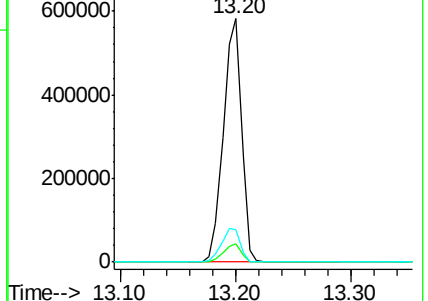
122 13.3 10.3 15.5

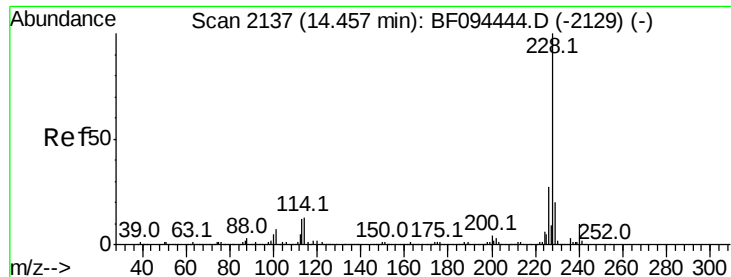


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.13 ng

RT: 14.45 min Scan# 2128

Delta R.T. -0.00 min

Lab File: BF094505.D

Acq: 18 Apr 2017 23:55

Instrument :

BNA_F

ClientSampleId :

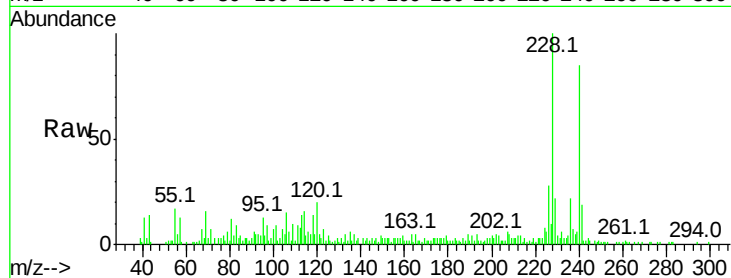
Tot Ion:228 Resp: 34389

Ion Ratio Lower Upper

228 100

226 28.4 22.6 33.8

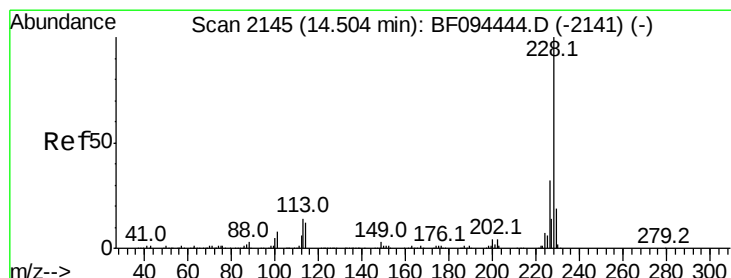
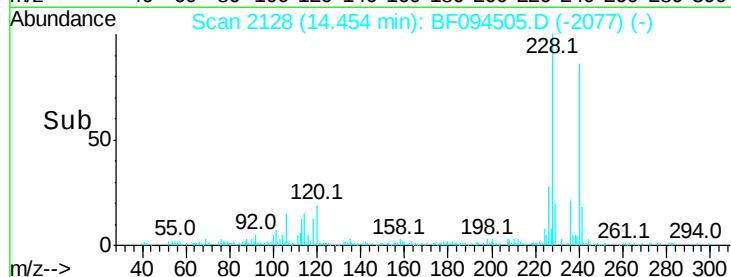
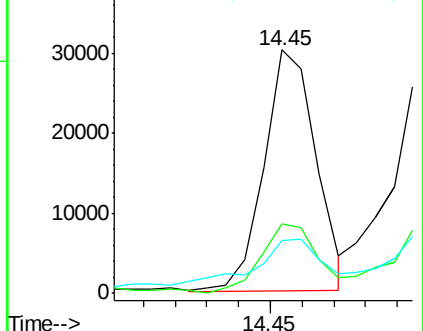
229 21.8 16.3 24.5



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: 2.33 ng

RT: 14.45 min Scan# 2128

Delta R.T. -0.05 min

Lab File: BF094505.D

Acq: 18 Apr 2017 23:55

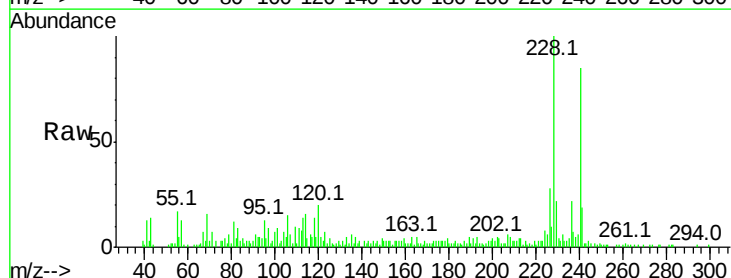
Tgt Ion:228 Resp: 34389

Ion Ratio Lower Upper

228 100

226 28.4 24.9 37.3

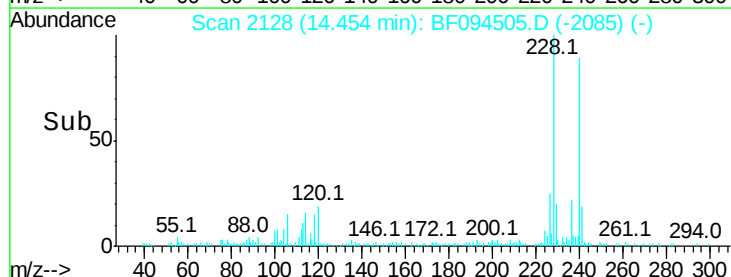
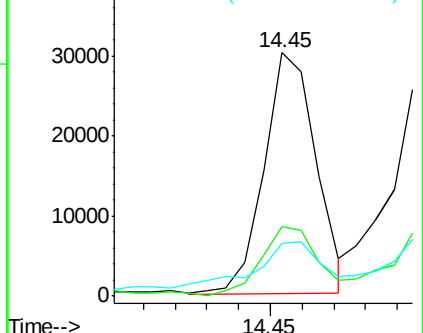
229 21.8 15.8 23.6

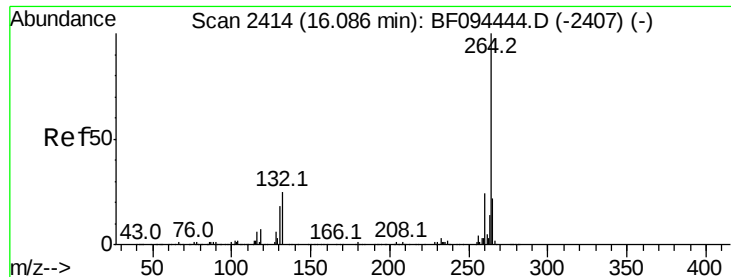


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

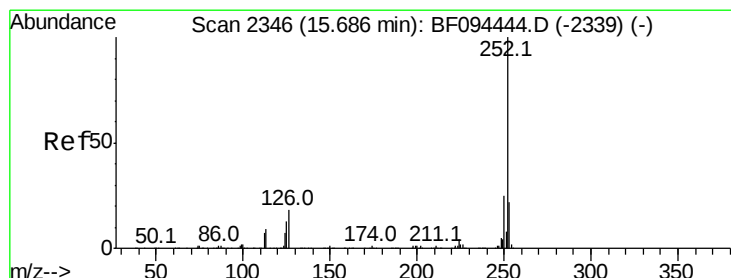
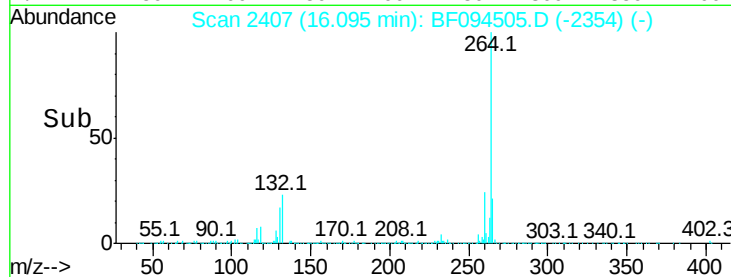
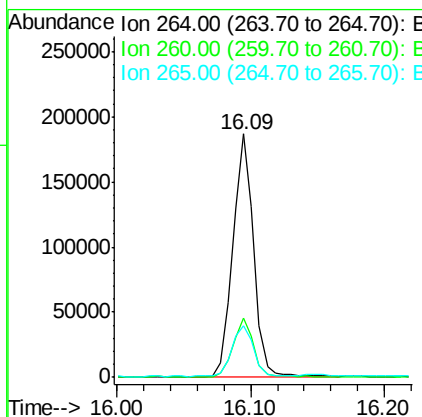
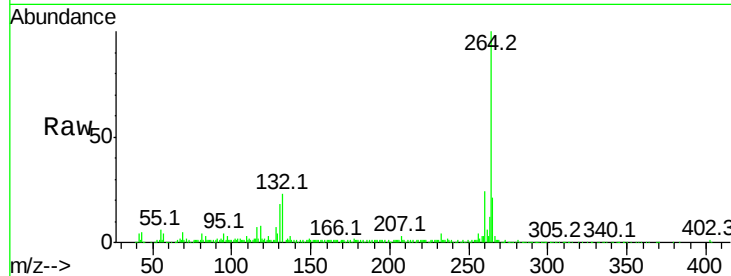




#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.09 min Scan# 2407
Delta R.T. 0.01 min
Lab File: BF094505.D
Acq: 18 Apr 2017 23:55

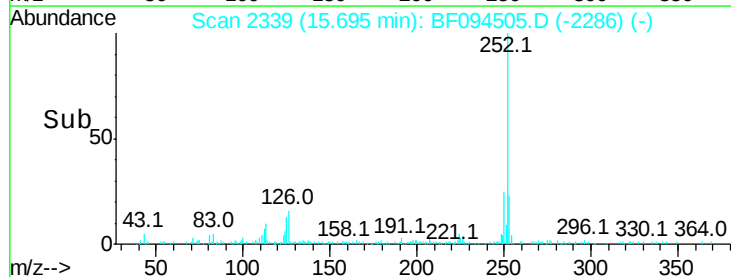
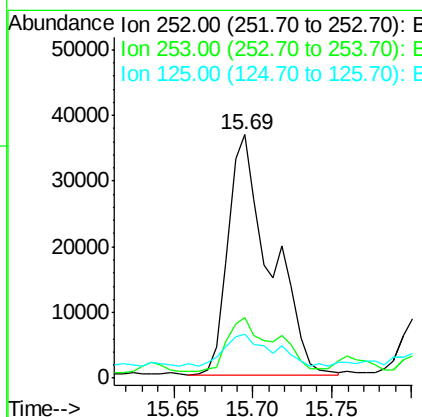
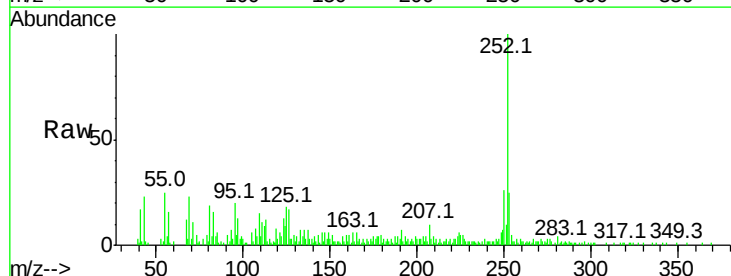
Instrument :
BNA_F
ClientSampleId :

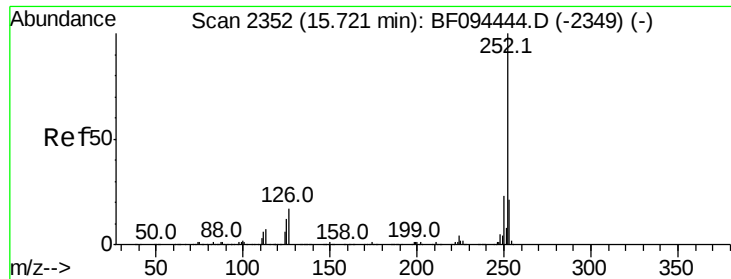
Tot Ion:264 Resp: 201359
Ion Ratio Lower Upper
264 100
260 24.3 19.5 29.3
265 21.5 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 5.53 ng
RT: 15.69 min Scan# 2339
Delta R.T. 0.01 min
Lab File: BF094505.D
Acq: 18 Apr 2017 23:55

Tgt Ion:252 Resp: 68058
Ion Ratio Lower Upper
252 100
253 24.9 18.1 27.1
125 17.9 9.8 14.8#

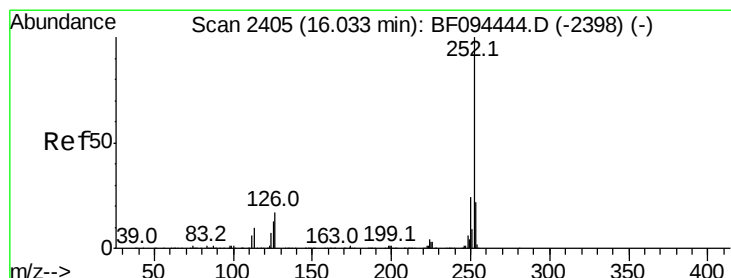
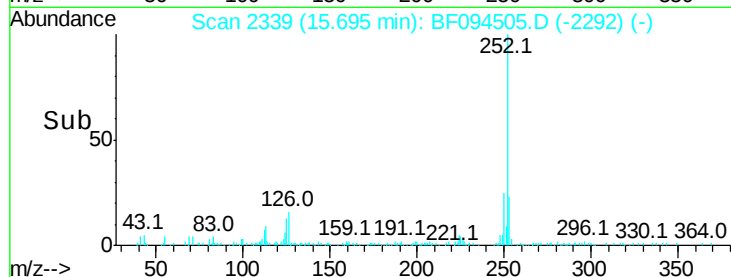
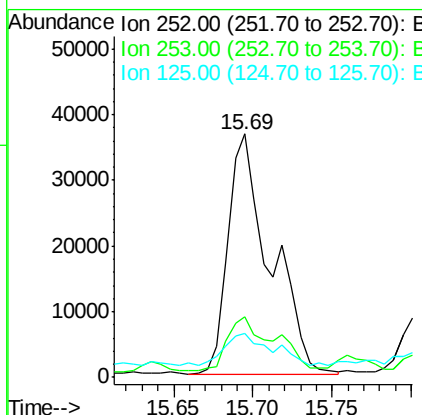
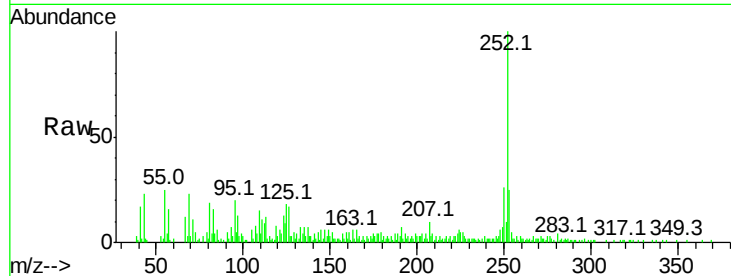




#88
Benzo(k)fluoranthene
Concen: 5.84 ng
RT: 15.69 min Scan# 2339
Delta R.T. -0.03 min
Lab File: BF094505.D
Acq: 18 Apr 2017 23:55

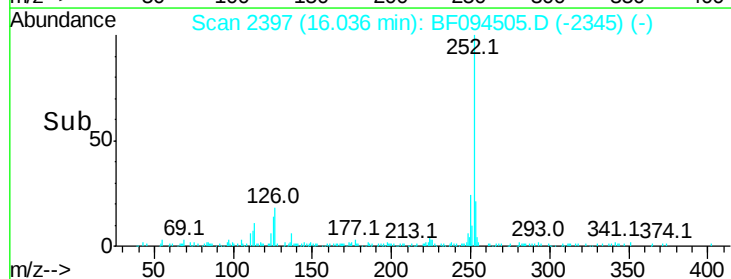
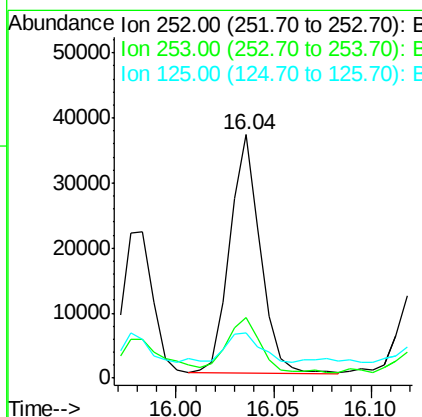
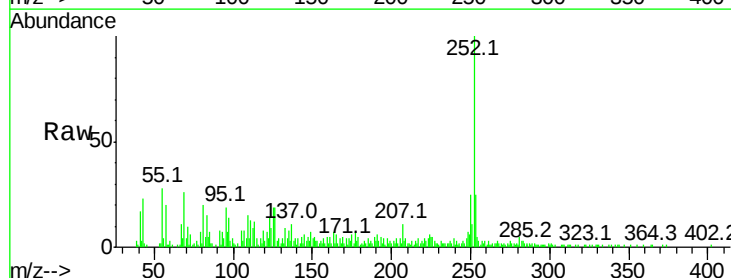
Instrument :
BNA_F
ClientSampleId :

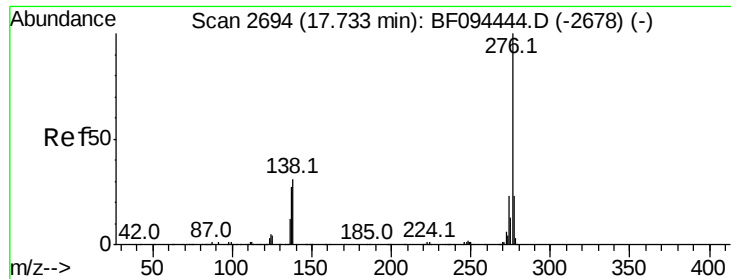
Tot Ion:252 Resp: 68058
Ion Ratio Lower Upper
252 100
253 24.9 18.4 27.6
125 17.9 13.1 19.7



#89
Benzo(a)pyrene
Concen: 3.45 ng
RT: 16.04 min Scan# 2397
Delta R.T. 0.00 min
Lab File: BF094505.D
Acq: 18 Apr 2017 23:55

Tgt Ion:252 Resp: 39544
Ion Ratio Lower Upper
252 100
253 24.7 17.5 26.3
125 18.7 11.0 16.4#





#91

Benzo(a,h,i)perylene

Concen: 3.20 ng

RT: 17.74 min Scan# 2687

Delta R.T. 0.01 min

Lab File: BF094505.D

Acq: 18 Apr 2017 23:55

Instrument :

BNA_F

ClientSampleId :

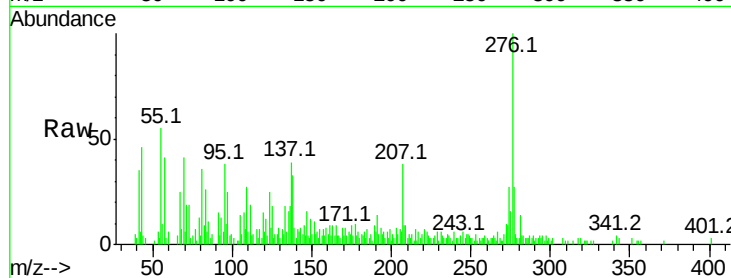
Tot Ion:276 Resp: 31013

Ion Ratio Lower Upper

276 100

277 26.5 18.6 28.0

138 33.2 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

