

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042517\
 Data File : BF094605.D
 Acq On : 25 Apr 2017 15:20
 Operator : SJ/MA
 Sample : I2810-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 26 01:23:27 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

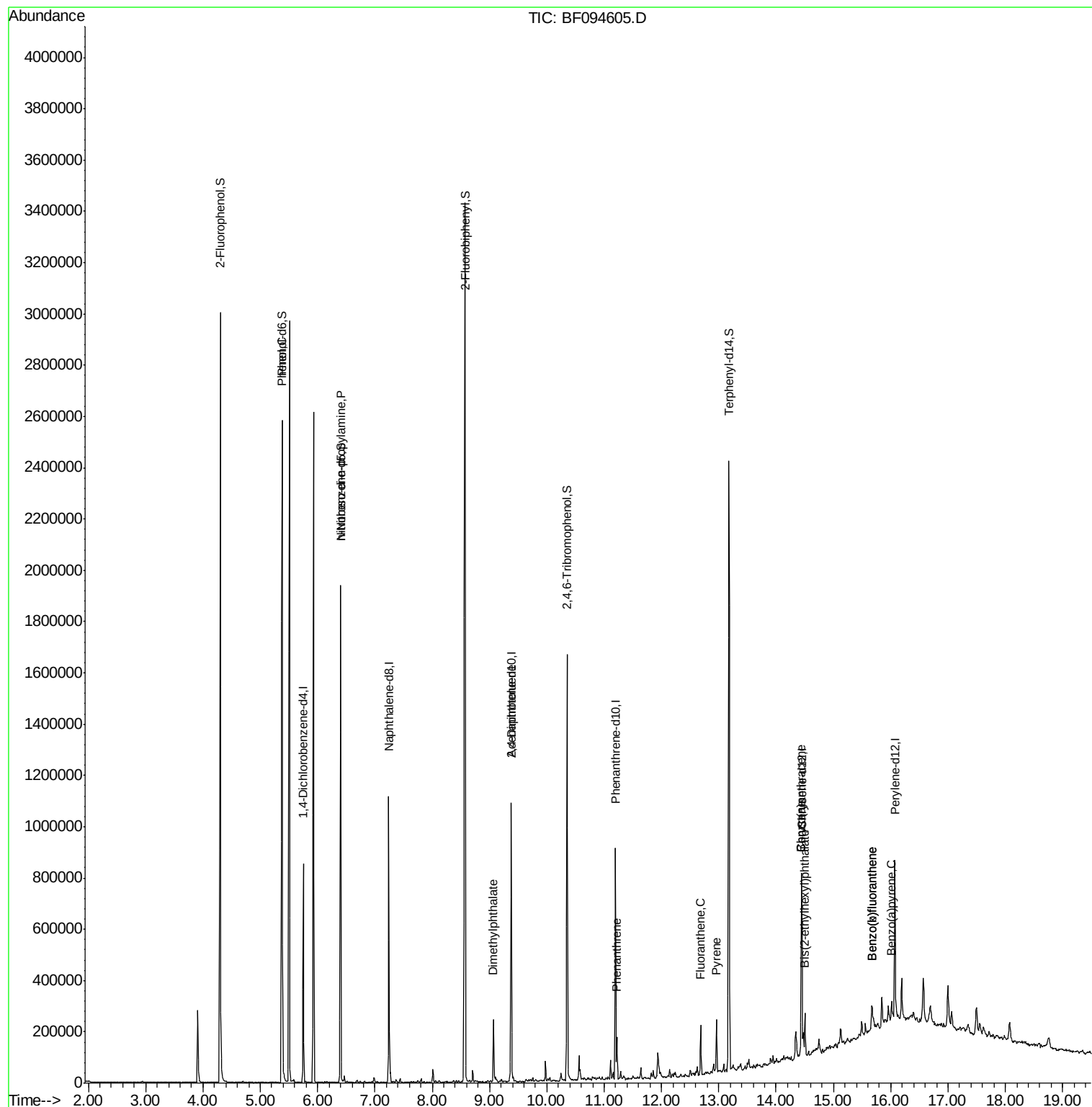
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.75	152	131619	20.00	ng	-0.01
21) Naphthalene-d8	7.24	136	526313	20.00	ng	-0.02
38) Acenaphthene-d10	9.38	164	228847	20.00	ng	-0.02
63) Phenanthrene-d10	11.20	188	370157	20.00	ng	-0.03
75) Chrysene-d12	14.45	240	272822	20.00	ng	-0.02
86) Perylene-d12	16.08	264	261553	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.30	112	896702	113.03	ng	0.00
7) Phenol-d6	5.38	99	1143607	122.28	ng	-0.01
23) Nitrobenzene-d5	6.40	82	697465	81.83	ng	-0.01
41) 2,4,6-Tribromophenol	10.35	330	206827	115.55	ng	-0.02
44) 2-Fluorobiphenyl	8.57	172	1254911	80.68	ng	-0.01
78) Terphenyl-d14	13.18	244	867215	84.96	ng	-0.02
Target Compounds						
10) Phenol	5.39	94	57919	5.04	ng	Qvalue 94
19) n-Nitroso-di-n-propylamine	6.40	70	91073	14.70	ng	# 79
49) Dimethylphthalate	9.07	163	111828	6.56	ng	97
56) 2,4-Dinitrotoluene	9.38	165	29242	6.23	ng	# 33
70) Phenanthrene	11.22	178	59906	2.87	ng	97
74) Fluoranthene	12.69	202	92398	4.28	ng	97
77) Pyrene	12.96	202	82269	4.32	ng	97
80) Benzo(a)anthracene	14.44	228	36620	2.31	ng	97
82) Chrysene	14.44	228	36620	2.53	ng	95
83) Bis(2-ethylhexyl)phthalate	14.51	149	57288	5.11	ng	# 98
87) Benzo(b)fluoranthene	15.67	252	64153	4.01	ng	# 90
88) Benzo(k)fluoranthene	15.67	252	64153	4.24	ng	# 94
89) Benzo(a)pyrene	16.02	252	31691	2.13	ng	# 91

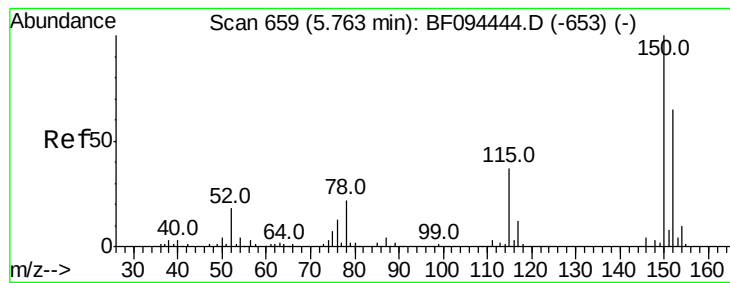
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.75 min Scan# 648

Delta R.T. -0.01 min

Lab File: BF094605.D

Acq: 25 Apr 2017 15:20

Instrument :

BNA_F

ClientSampleId :

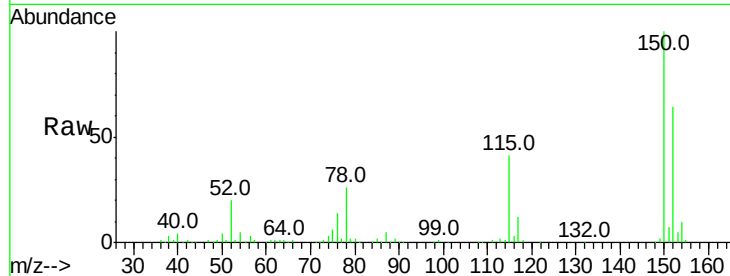
Tot Ion:152 Resp: 131619

Ion Ratio Lower Upper

152 100

150 155.2 126.2 189.2

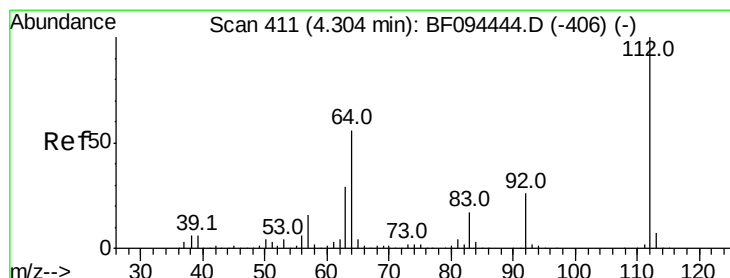
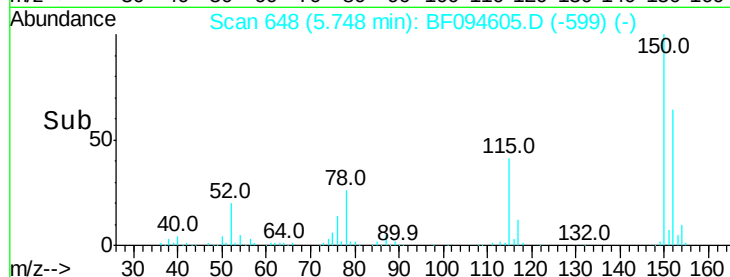
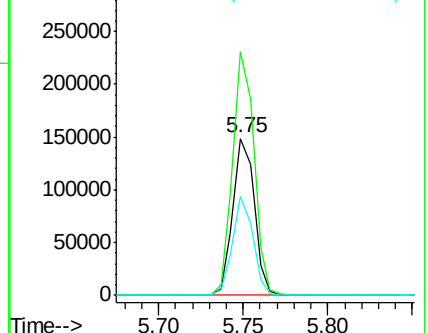
115 63.4 52.2 78.2



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: 113.03 ng

RT: 4.30 min Scan# 402

Delta R.T. -0.00 min

Lab File: BF094605.D

Acq: 25 Apr 2017 15:20

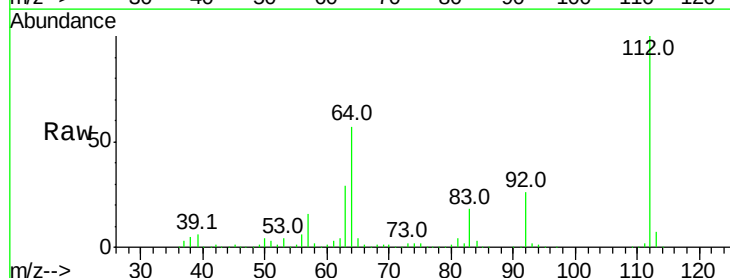
Tgt Ion:112 Resp: 896702

Ion Ratio Lower Upper

112 100

64 57.5 46.0 69.0

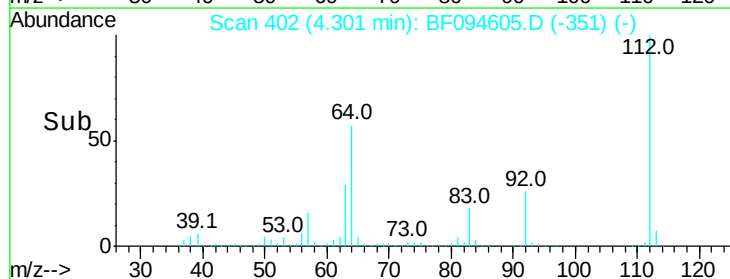
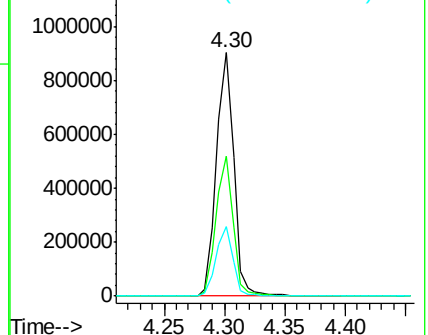
63 28.6 23.4 35.0

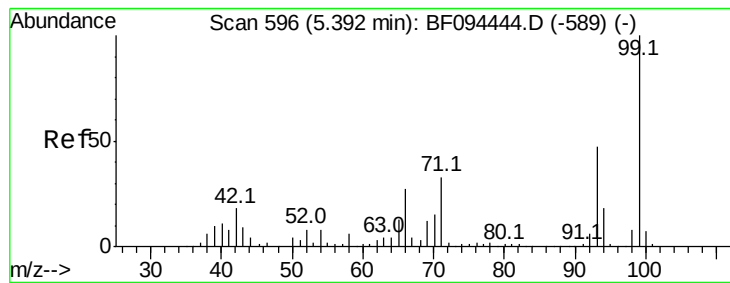


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 122.28 ng

RT: 5.38 min Scan# 585

Delta R.T. -0.01 min

Lab File: BF094605.D

Acq: 25 Apr 2017 15:20

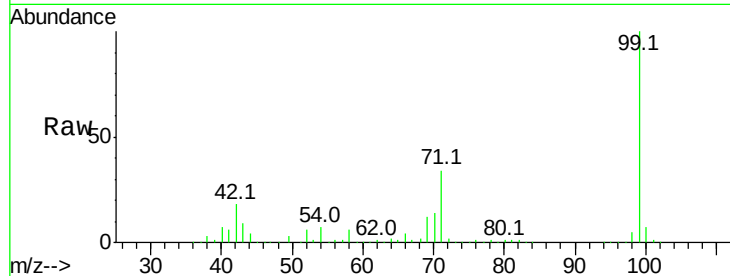
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1143607

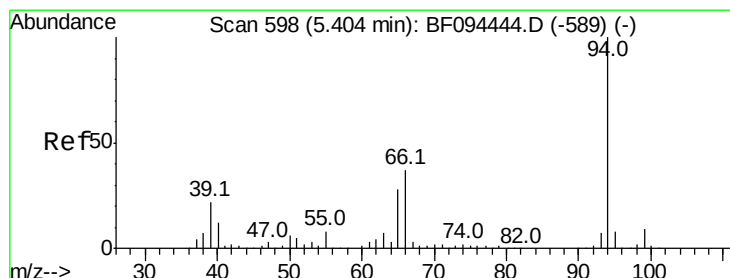
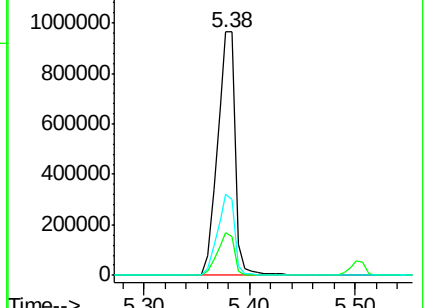
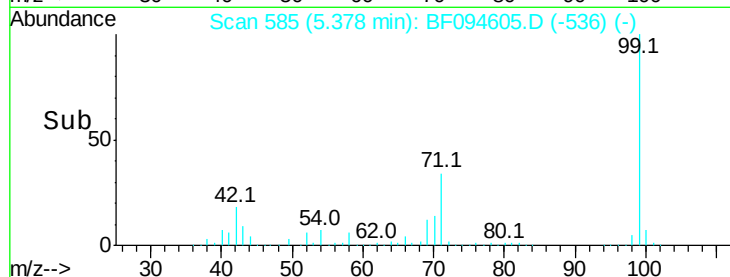
Ion	Ratio	Lower	Upper
99	100		
42	17.7	13.5	20.3
71	33.5	24.5	36.7



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



#10

Phenol

Concen: 5.04 ng

RT: 5.39 min Scan# 587

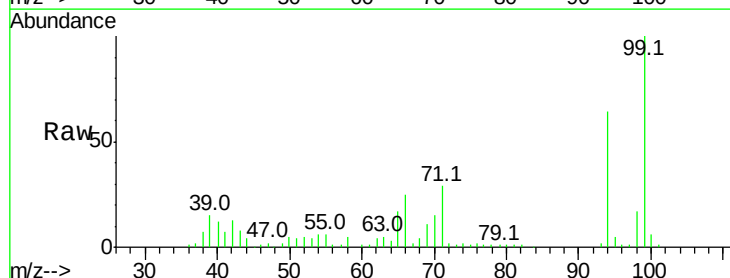
Delta R.T. -0.01 min

Lab File: BF094605.D

Acq: 25 Apr 2017 15:20

Tgt Ion: 94 Resp: 57919

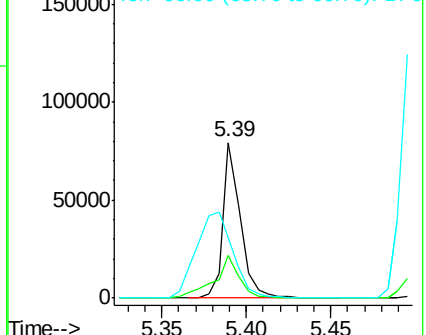
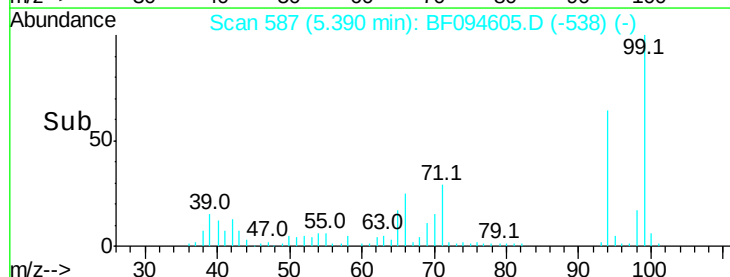
Ion	Ratio	Lower	Upper
94	100		
65	27.1	9.9	49.9
66	39.2	23.1	63.1

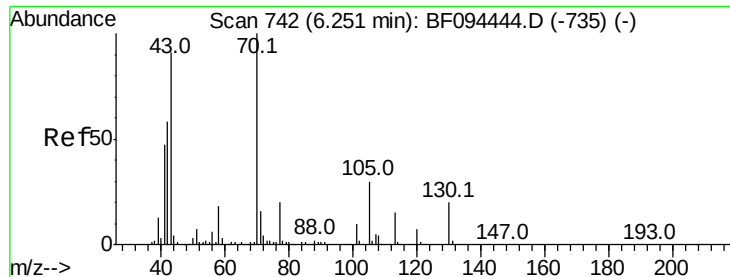


Abundance Ion 94.00 (93.70 to 94.70): BF0

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: 14.70 ng

RT: 6.40 min Scan# 759

Delta R.T. 0.15 min

Lab File: BF094605.D

Acq: 25 Apr 2017 15:20

Instrument :

BNA_F

ClientSampled :

Tot Ion: 70 Resp: 91073

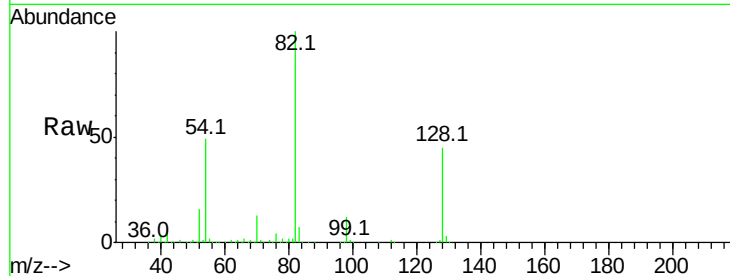
Ion Ratio Lower Upper

70 100

42 47.5 47.2 70.8

101 0.0 7.2 10.8#

130 2.6 15.9 23.9#

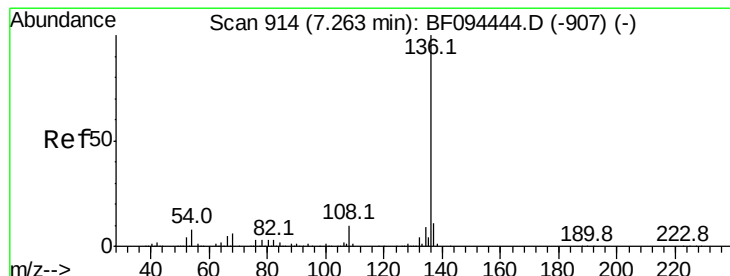
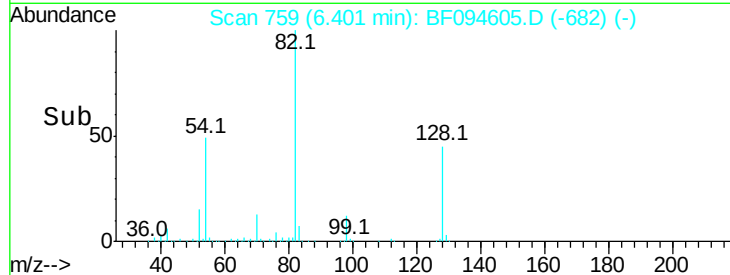
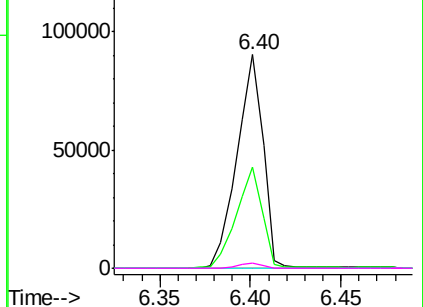


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.24 min Scan# 902

Delta R.T. -0.02 min

Lab File: BF094605.D

Acq: 25 Apr 2017 15:20

Tgt Ion:136 Resp: 526313

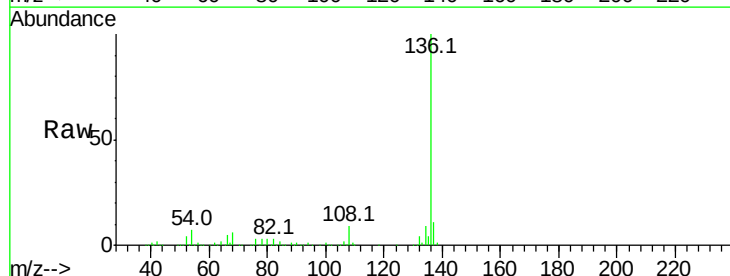
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 7.5 4.9 7.3#

68 5.7 4.1 6.1

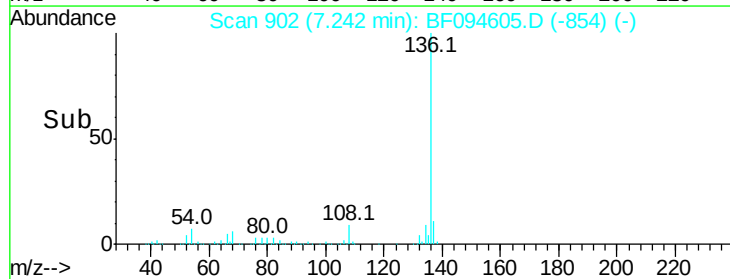
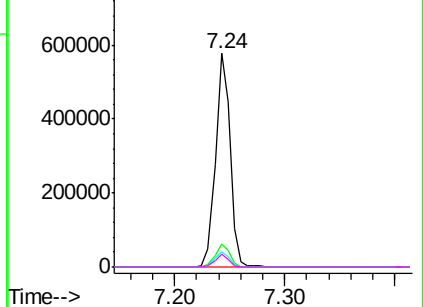


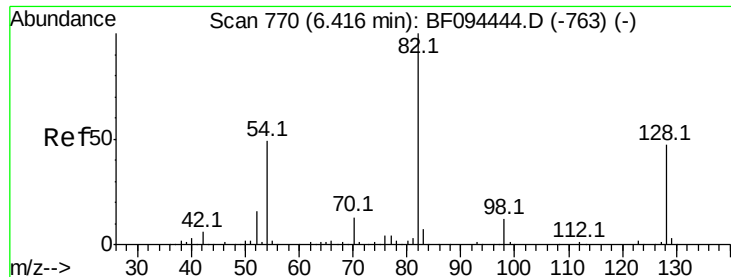
Abundance Ion 136.00 (135.70 to 136.70): E

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

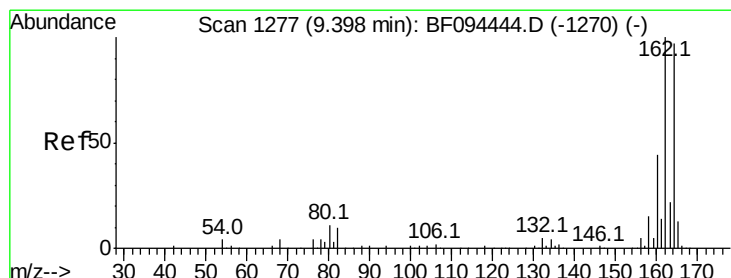
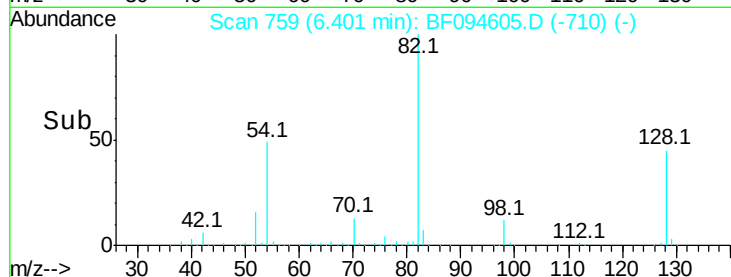
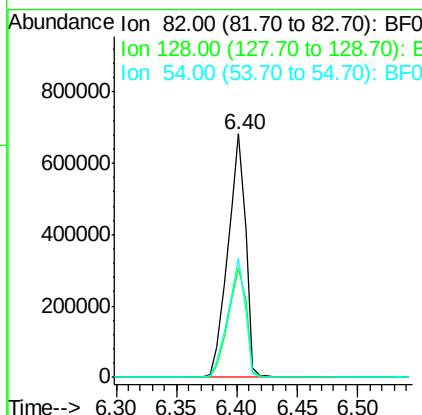
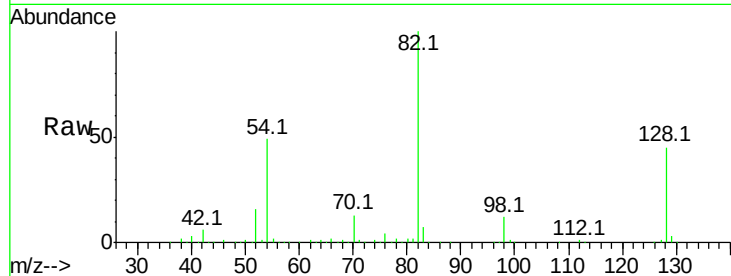




#23
 Nitrobenzene-d5
 Concen: 81.83 ng
 RT: 6.40 min Scan# 759
 Delta R.T. -0.01 min
 Lab File: BF094605.D
 Acq: 25 Apr 2017 15:20

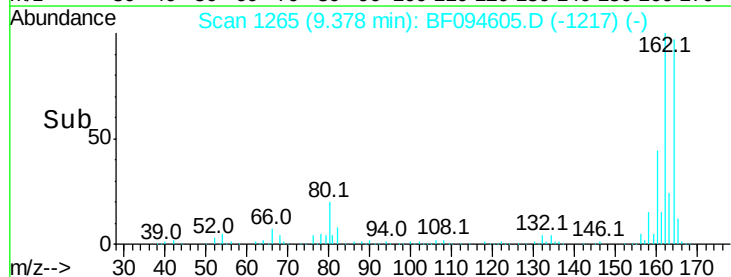
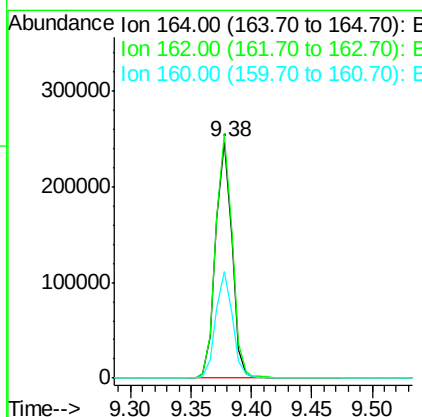
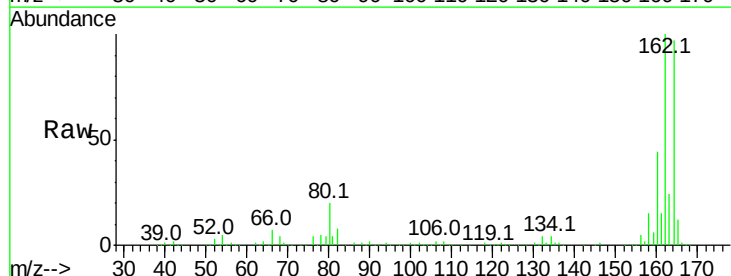
Instrument :
 BNA_F
 ClientSampleId :

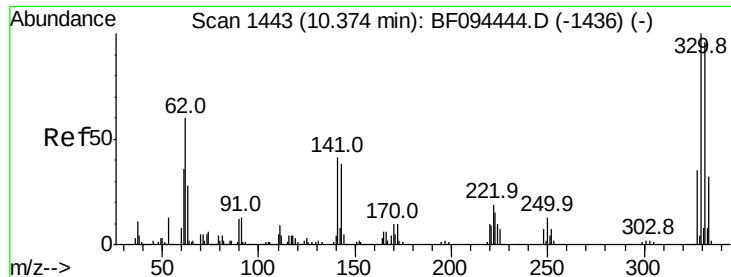
Tot Ion	82	Resp	697465
Ion Ratio	Lower	Upper	
82	100		
128	44.9	34.0	51.0
54	49.1	42.2	63.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.38 min Scan# 1265
 Delta R.T. -0.02 min
 Lab File: BF094605.D
 Acq: 25 Apr 2017 15:20

Tgt Ion	164	Resp	228847
Ion Ratio	Lower	Upper	
164	100		
162	103.2	82.6	123.8
160	45.1	36.2	54.2

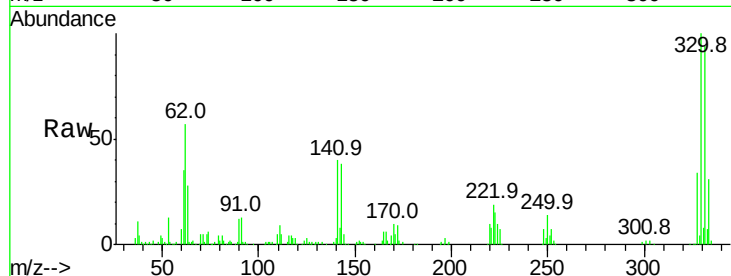




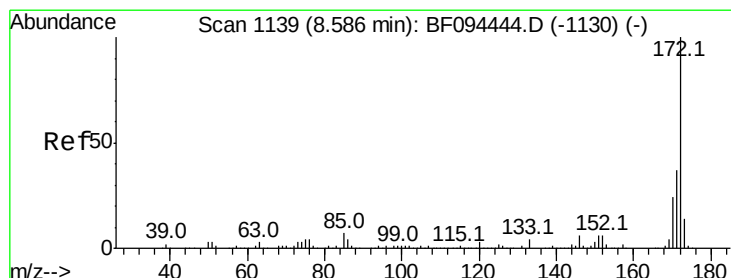
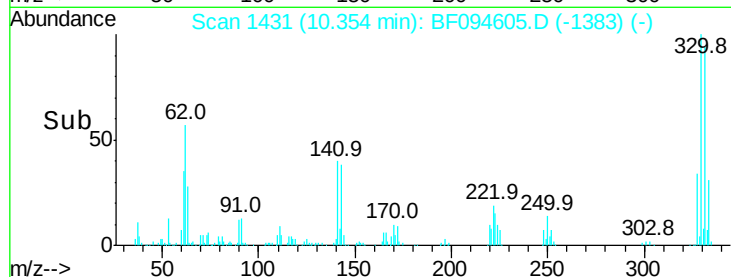
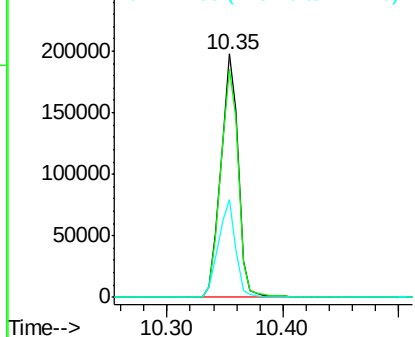
#41
 2,4,6-Tribromophenol
 Concen: 115.55 ng
 RT: 10.35 min Scan# 1431
 Delta R.T. -0.02 min
 Lab File: BF094605.D
 Acq: 25 Apr 2017 15:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 206827
 Ion Ratio Lower Upper
 330 100
 332 96.2 76.6 115.0
 141 39.9 31.4 47.2

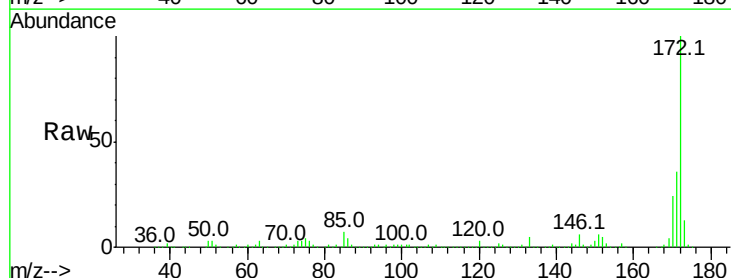


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

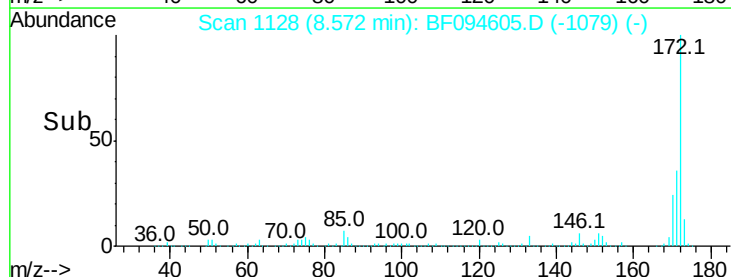
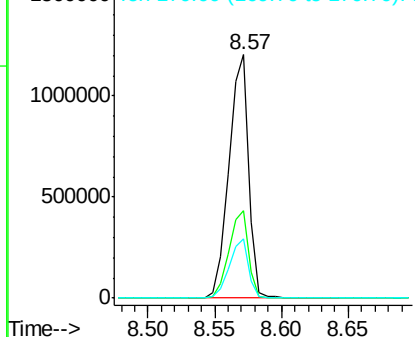


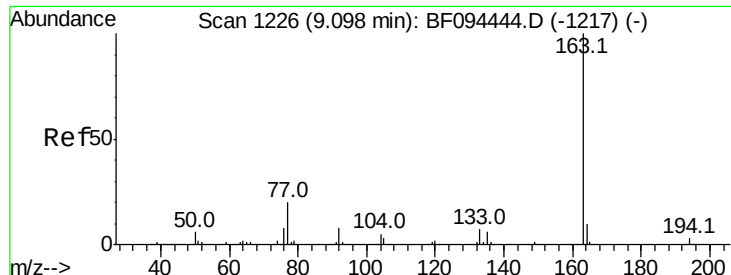
#44
 2-Fluorobiphenyl
 Concen: 80.68 ng
 RT: 8.57 min Scan# 1128
 Delta R.T. -0.01 min
 Lab File: BF094605.D
 Acq: 25 Apr 2017 15:20

Tgt Ion:172 Resp: 1254911
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.6 44.4
 170 24.2 19.8 29.8



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

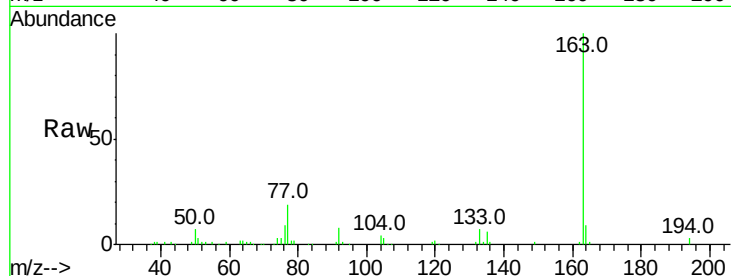




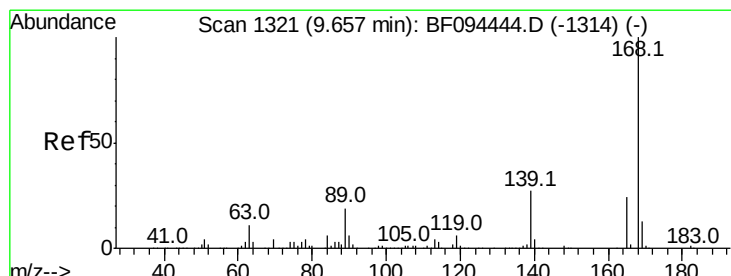
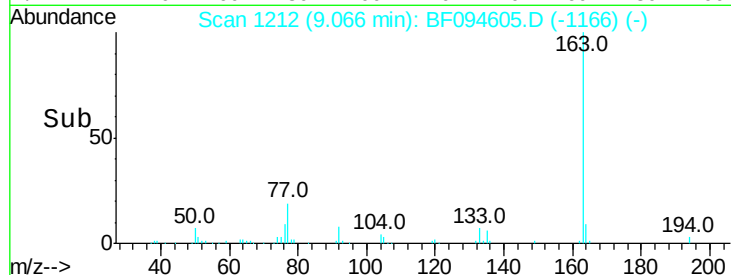
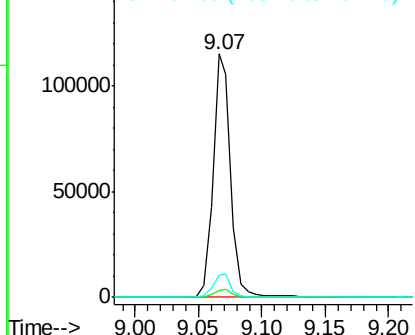
#49
 Dimethylphthalate
 Concen: 6.56 ng
 RT: 9.07 min Scan# 1212
 Delta R.T. -0.03 min
 Lab File: BF094605.D
 Acq: 25 Apr 2017 15:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:163 Resp: 111828
 Ion Ratio Lower Upper
 163 100
 194 2.7 2.6 4.0
 164 9.3 8.4 12.6



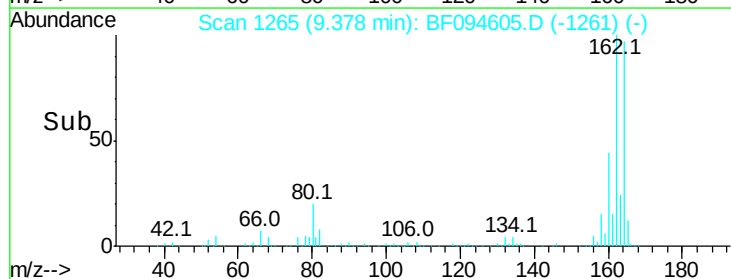
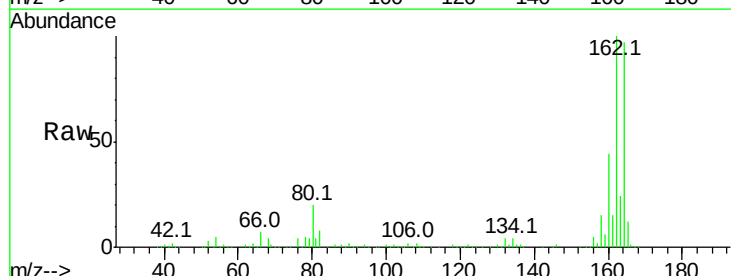
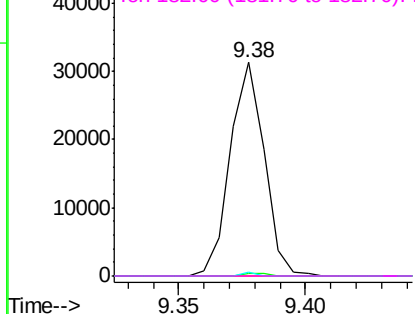
Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

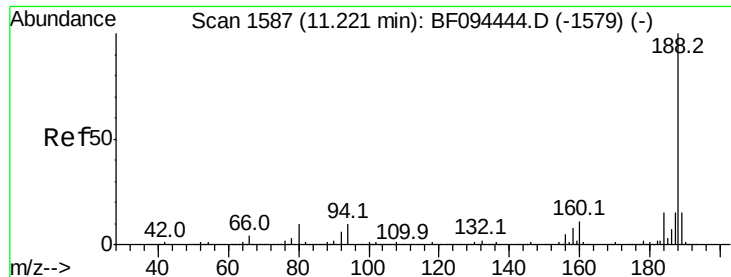


#56
 2,4-Dinitrotoluene
 Concen: 6.23 ng
 RT: 9.38 min Scan# 1265
 Delta R.T. -0.28 min
 Lab File: BF094605.D
 Acq: 25 Apr 2017 15:20

Tgt Ion:165 Resp: 29242
 Ion Ratio Lower Upper
 165 100
 63 1.1 25.4 38.0#
 89 1.5 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

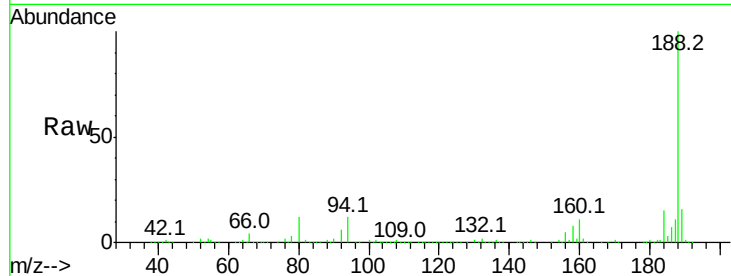




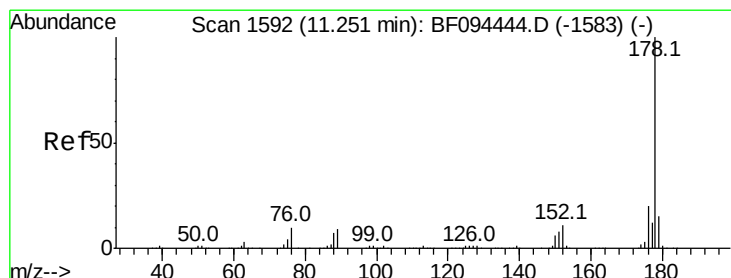
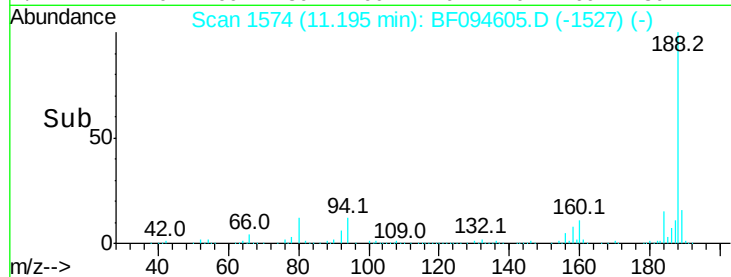
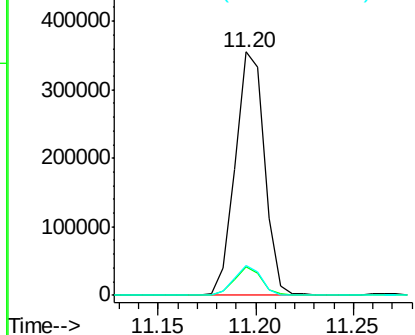
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.20 min Scan# 1574
 Delta R.T. -0.03 min
 Lab File: BF094605.D
 Acq: 25 Apr 2017 15:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 370157
 Ion Ratio Lower Upper
 188 100
 94 11.6 9.4 14.2
 80 12.3 10.2 15.2

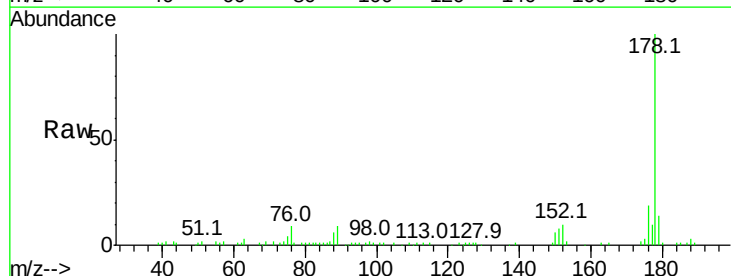


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

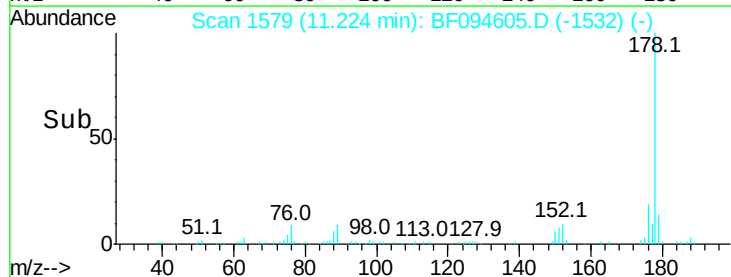
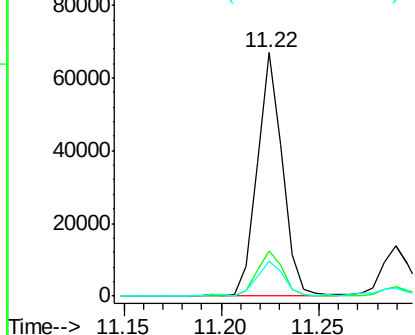


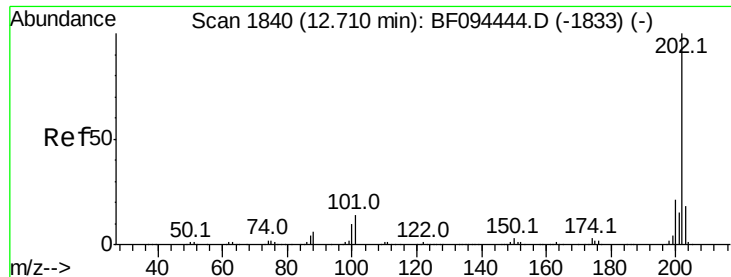
#70
 Phenanthrene
 Concen: 2.87 ng
 RT: 11.22 min Scan# 1579
 Delta R.T. -0.03 min
 Lab File: BF094605.D
 Acq: 25 Apr 2017 15:20

Tgt Ion:178 Resp: 59906
 Ion Ratio Lower Upper
 178 100
 176 18.7 16.2 24.4
 179 14.4 12.6 19.0



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

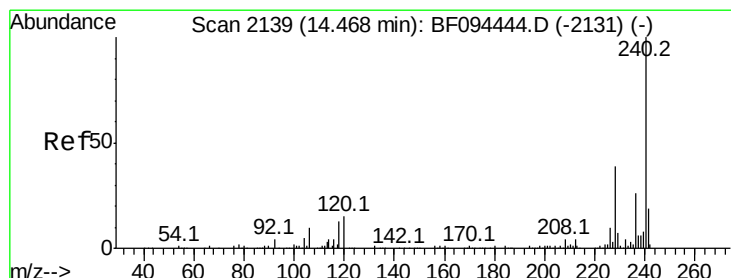
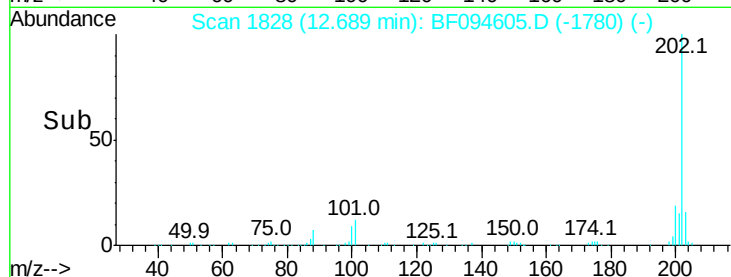
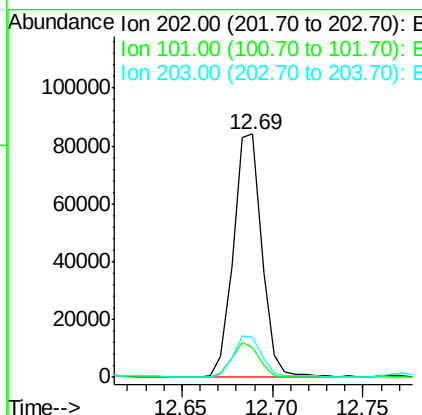
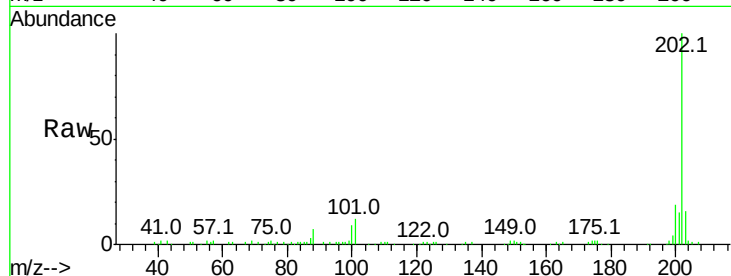




#74
 Fluoranthene
 Concen: 4.28 ng
 RT: 12.69 min Scan# 1828
 Delta R.T. -0.02 min
 Lab File: BF094605.D
 Acq: 25 Apr 2017 15:20

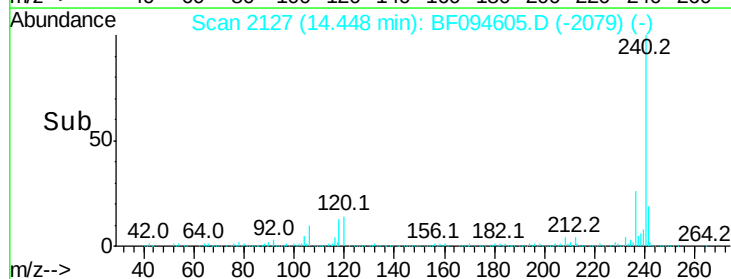
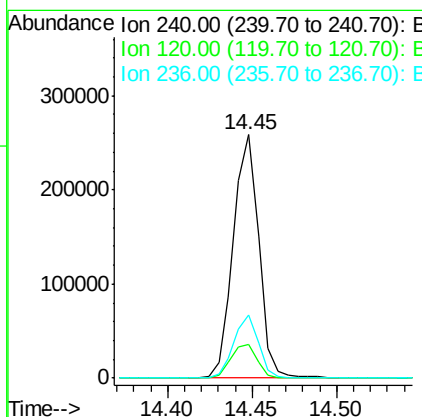
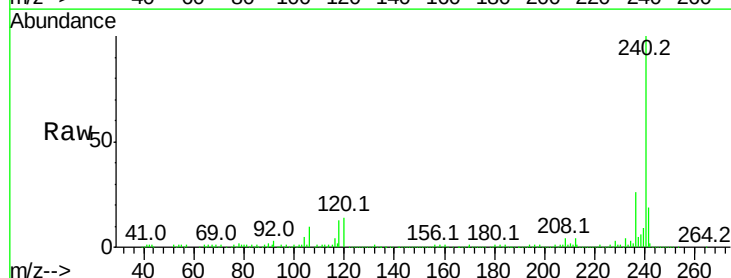
Instrument :
 BNA_F
 ClientSampleId :

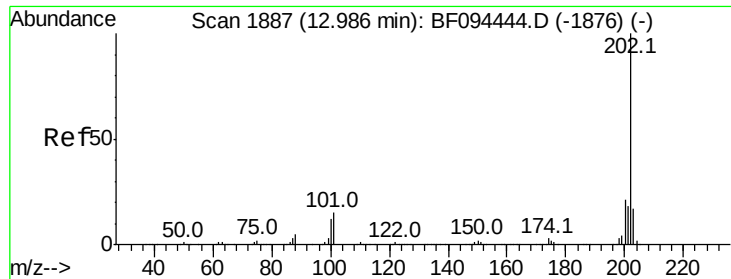
Tot Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	33.2
203	16.4	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.45 min Scan# 2127
 Delta R.T. -0.02 min
 Lab File: BF094605.D
 Acq: 25 Apr 2017 15:20

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.7	5.8	8.8#
236	26.1	20.5	30.7





#77

Pvrene

Concen: 4.32 ng

RT: 12.96 min Scan# 1874

Delta R.T. -0.03 min

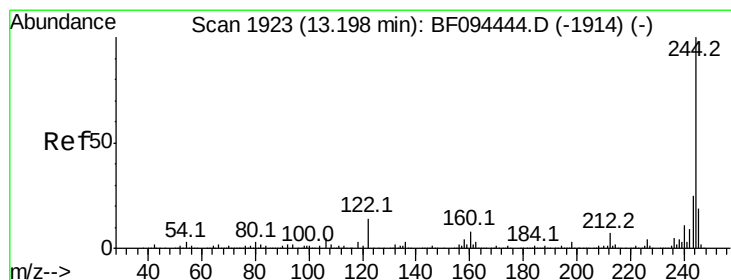
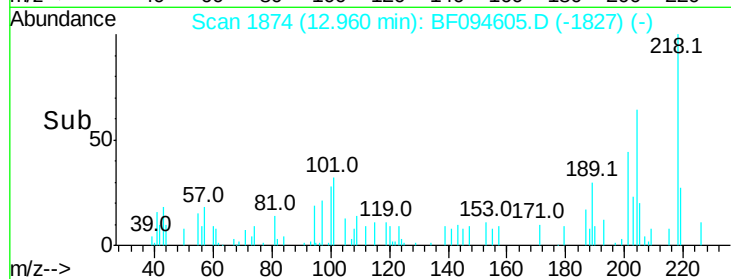
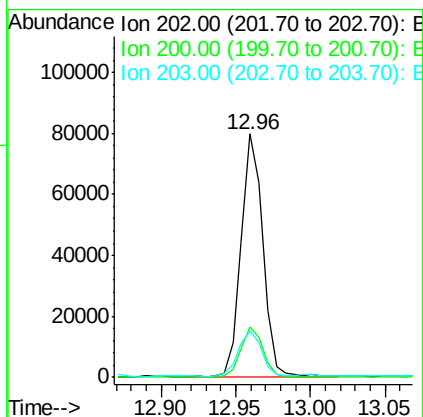
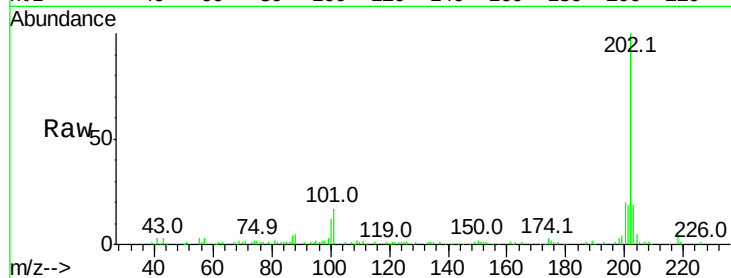
Lab File: BF094605.D

Acq: 25 Apr 2017 15:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 82269

Ion	Ratio	Lower	Upper
202	100		
200	20.4	17.6	26.4
203	19.0	14.4	21.6



#78

Terphenyl-d14

Concen: 84.96 ng

RT: 13.18 min Scan# 1911

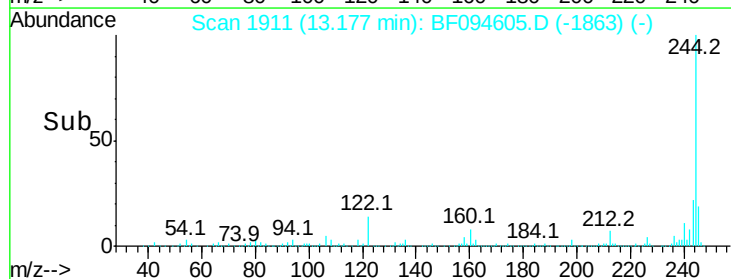
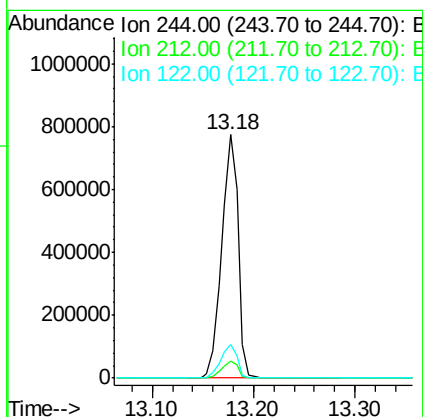
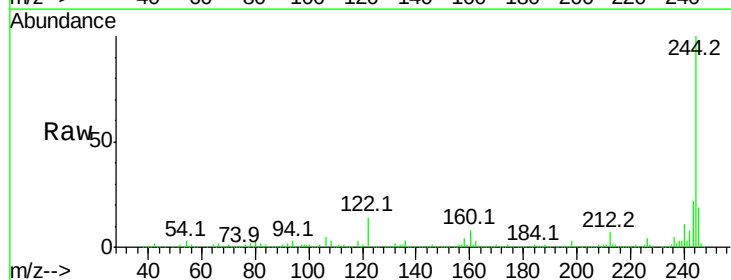
Delta R.T. -0.02 min

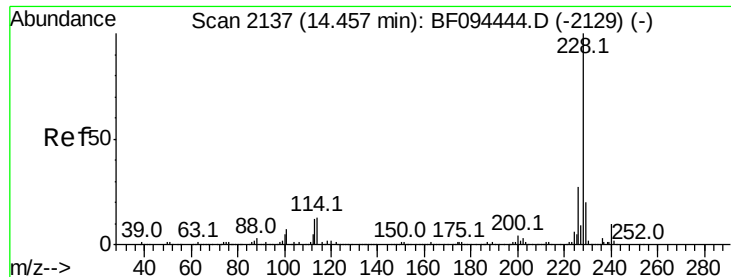
Lab File: BF094605.D

Acq: 25 Apr 2017 15:20

Tgt Ion:244 Resp: 867215

Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.0	9.0
122	13.7	10.3	15.5





#80

Benzo(a)anthracene

Concen: 2.31 ng

RT: 14.44 min Scan# 2125

Delta R.T. -0.02 min

Lab File: BF094605.D

Acq: 25 Apr 2017 15:20

Instrument :

BNA_F

ClientSampleId :

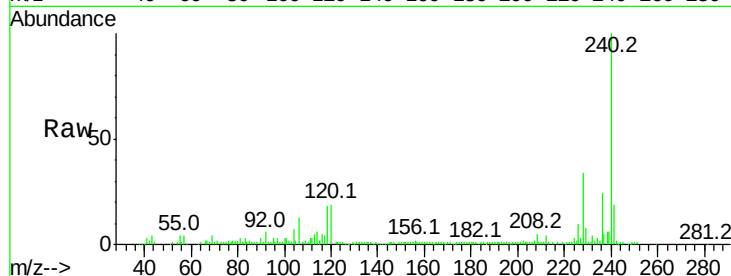
Tot Ion:228 Resp: 36620

Ion Ratio Lower Upper

228 100

226 29.0 22.6 33.8

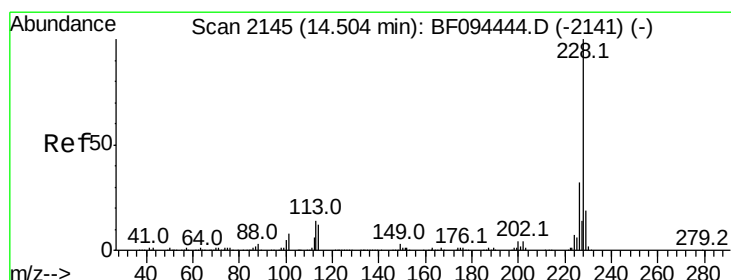
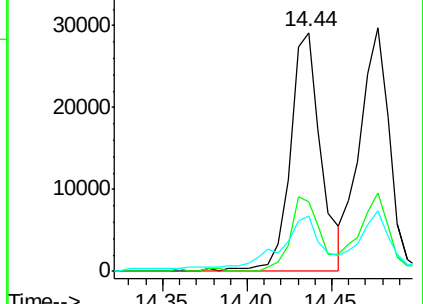
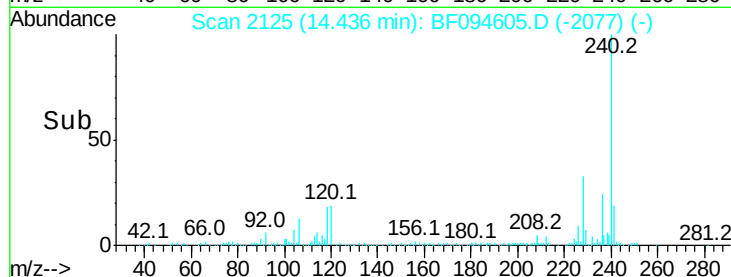
229 23.3 16.3 24.5



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: 2.53 ng

RT: 14.44 min Scan# 2125

Delta R.T. -0.07 min

Lab File: BF094605.D

Acq: 25 Apr 2017 15:20

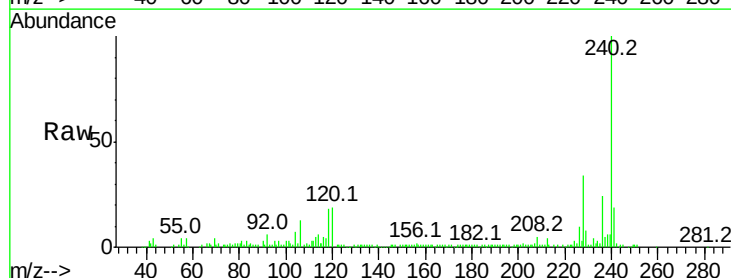
Tgt Ion:228 Resp: 36620

Ion Ratio Lower Upper

228 100

226 29.0 24.9 37.3

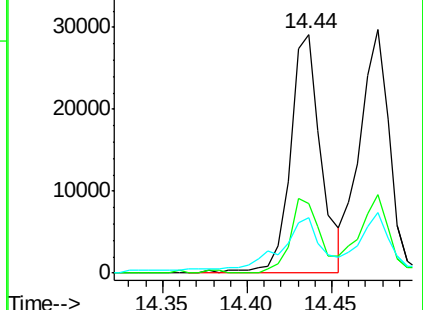
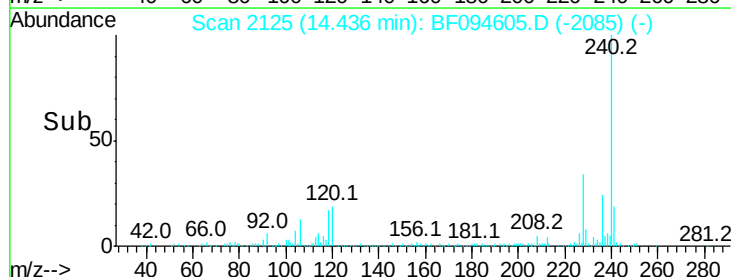
229 23.3 15.8 23.6

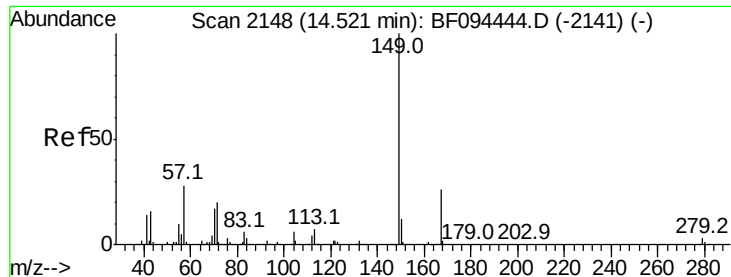


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

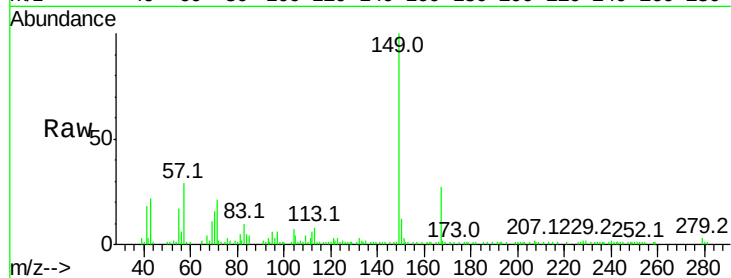




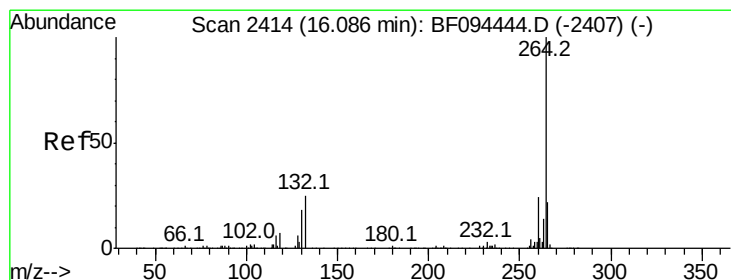
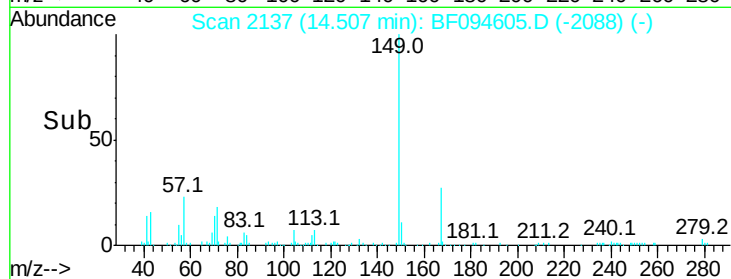
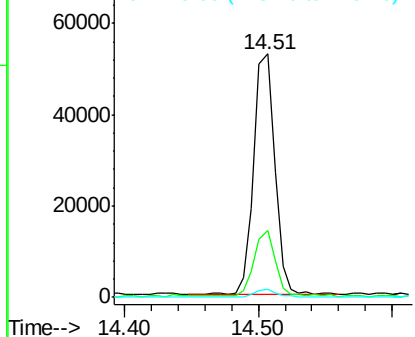
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 5.11 ng
 RT: 14.51 min Scan# 2137
 Delta R.T. -0.01 min
 Lab File: BF094605.D
 Acq: 25 Apr 2017 15:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:149 Resp: 57288
 Ion Ratio Lower Upper
 149 100
 167 27.4 21.0 31.4
 279 3.1 1.9 2.9#

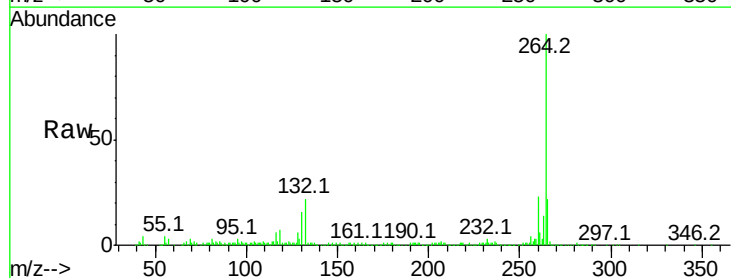


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

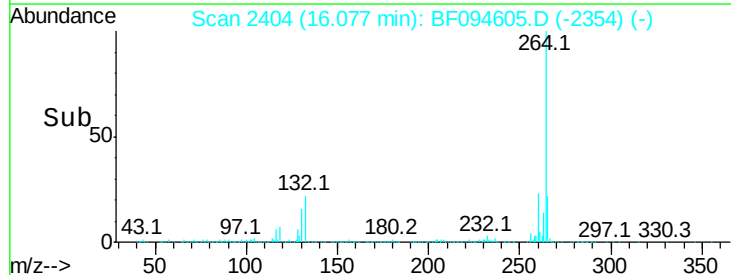
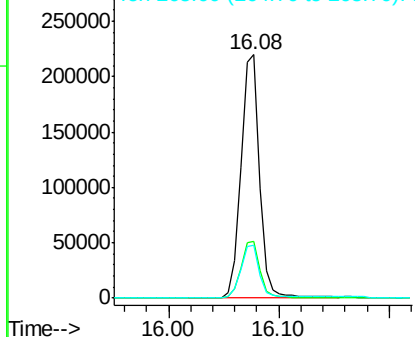


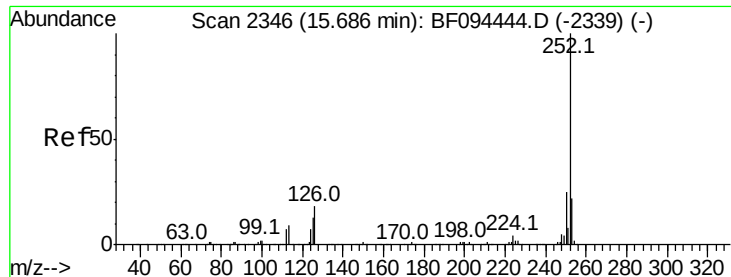
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.08 min Scan# 2404
 Delta R.T. -0.01 min
 Lab File: BF094605.D
 Acq: 25 Apr 2017 15:20

Tgt Ion:264 Resp: 261553
 Ion Ratio Lower Upper
 264 100
 260 23.1 19.5 29.3
 265 21.9 17.2 25.8



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

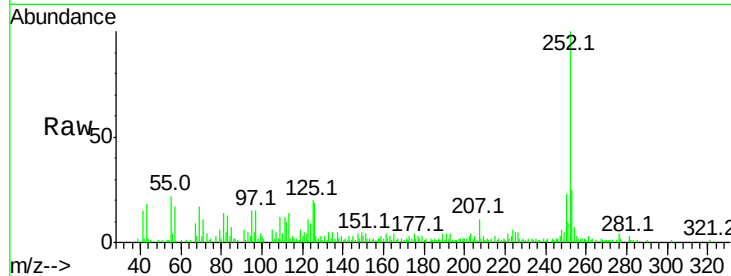




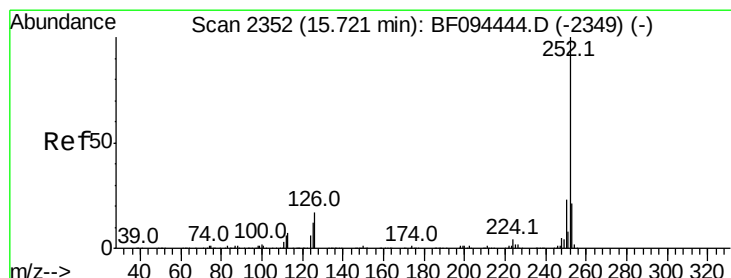
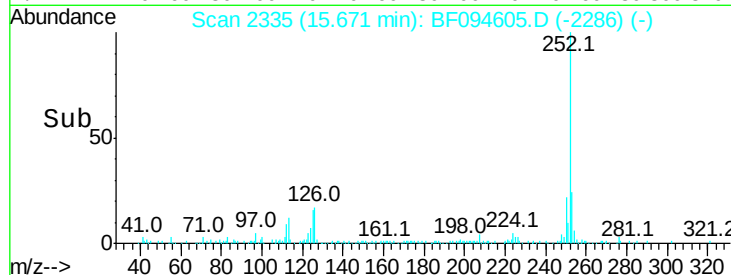
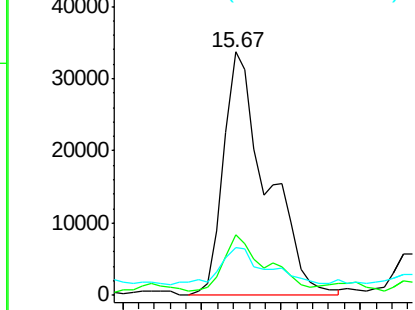
#87
Benzo(b)fluoranthene
Concen: 4.01 ng
RT: 15.67 min Scan# 2335
Delta R.T. -0.01 min
Lab File: BF094605.D
Acq: 25 Apr 2017 15:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 64153
Ion Ratio Lower Upper
252 100
253 25.0 18.1 27.1
125 19.8 9.8 14.8#

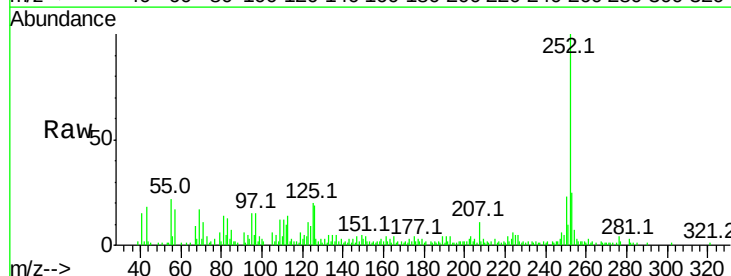


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

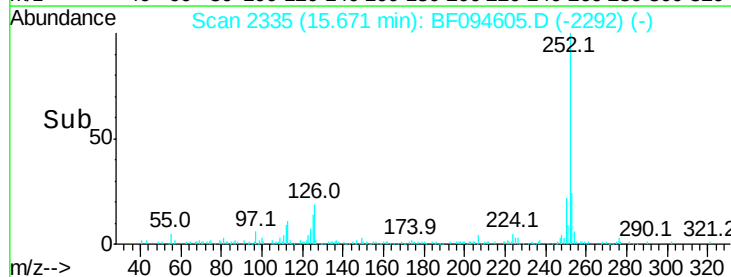
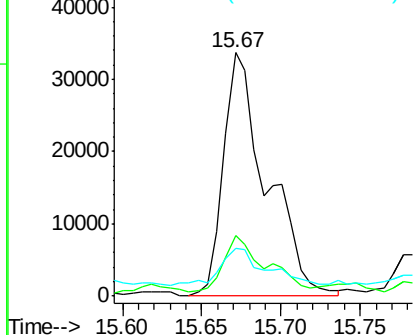


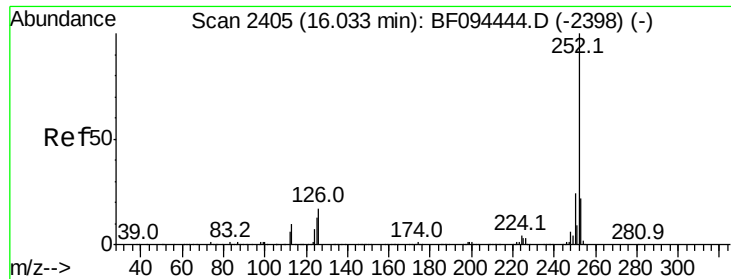
#88
Benzo(k)fluoranthene
Concen: 4.24 ng
RT: 15.67 min Scan# 2335
Delta R.T. -0.05 min
Lab File: BF094605.D
Acq: 25 Apr 2017 15:20

Tgt Ion:252 Resp: 64153
Ion Ratio Lower Upper
252 100
253 25.0 18.4 27.6
125 19.8 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: 2.13 ng

RT: 16.02 min Scan# 2394

Delta R.T. -0.01 min

Lab File: BF094605.D

Acq: 25 Apr 2017 15:20

Instrument :

BNA_F

ClientSampleId :

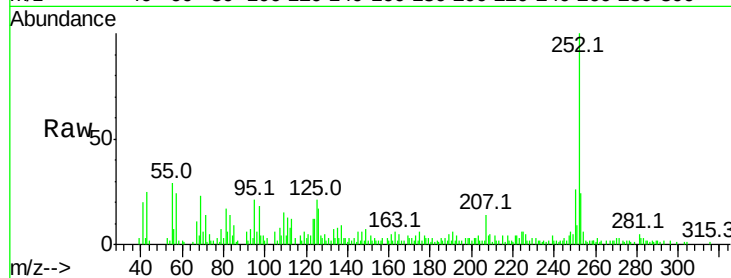
Tot Ion:252 Resp: 31691

Ion Ratio Lower Upper

252 100

253 23.6 17.5 26.3

125 20.5 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

