

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042417\
 Data File : BF094586.D
 Acq On : 24 Apr 2017 15:39
 Operator : SJ/MA
 Sample : I2780-05 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PE-3

Quant Time: Apr 25 01:05:09 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

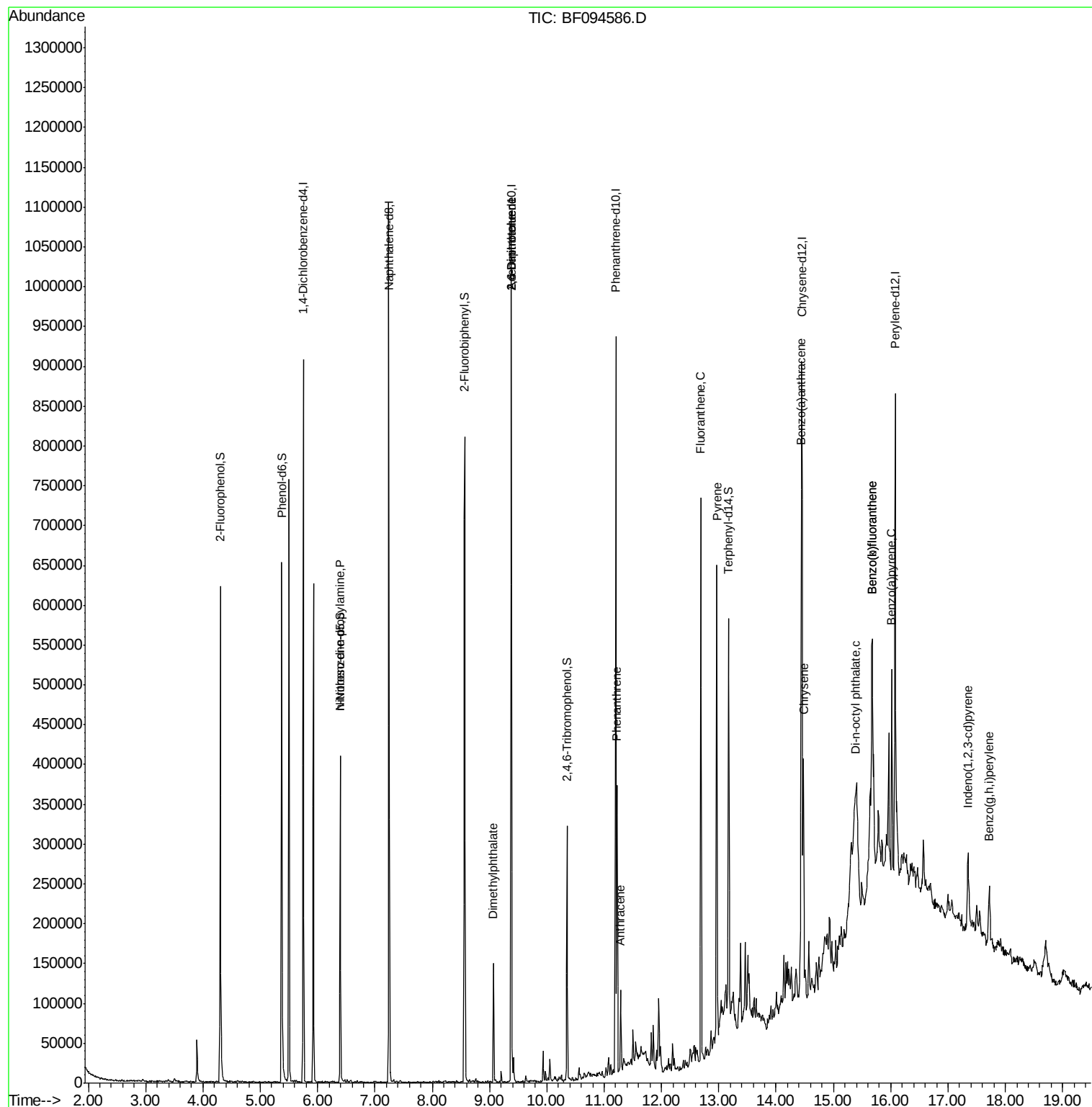
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.75	152	148321	20.00	ng	-0.01
21) Naphthalene-d8	7.24	136	565958	20.00	ng	-0.02
38) Acenaphthene-d10	9.38	164	238567	20.00	ng	-0.02
63) Phenanthrene-d10	11.20	188	359721	20.00	ng	-0.02
75) Chrysene-d12	14.45	240	266004	20.00	ng	-0.02
86) Perylene-d12	16.08	264	254386	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.30	112	191629	21.43	ng	0.00
7) Phenol-d6	5.37	99	239713	22.74	ng	-0.02
23) Nitrobenzene-d5	6.40	82	137952	15.05	ng	-0.02
41) 2,4,6-Tribromophenol	10.35	330	38070	20.40	ng	-0.02
44) 2-Fluorobiphenyl	8.57	172	273022	16.84	ng	-0.02
78) Terphenyl-d14	13.17	244	159181	16.00	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	6.40	70	17490	2.50	ng	# 78
49) Dimethylphthalate	9.07	163	69736	3.92	ng	99
50) 2,6-Dinitrotoluene	9.38	165	30051	7.53	ng	# 34
56) 2,4-Dinitrotoluene	9.38	165	30050	6.14	ng	# 33
70) Phenanthrene	11.22	178	148241	7.32	ng	97
71) Anthracene	11.29	178	42562	2.03	ng	95
74) Fluoranthene	12.69	202	301091	14.34	ng	98
77) Pyrene	12.97	202	258459	13.91	ng	97
80) Benzo(a)anthracene	14.44	228	138450	8.95	ng	99
82) Chrysene	14.48	228	132335	9.37	ng	96
84) Di-n-octyl phthalate	15.37	149	108106	5.89	ng	# 79
85) Indeno(1,2,3-cd)pyrene	17.35	276	52886	3.93	ng	98
87) Benzo(b)fluoranthene	15.68	252	207971	13.36	ng	# 97
88) Benzo(k)fluoranthene	15.68	252	207971	14.12	ng	98
89) Benzo(a)pyrene	16.02	252	109324	7.55	ng	# 96
91) Benzo(g,h,i)perylene	17.72	276	47858	3.91	ng	94

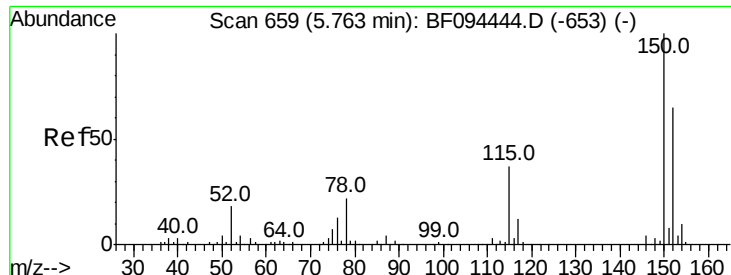
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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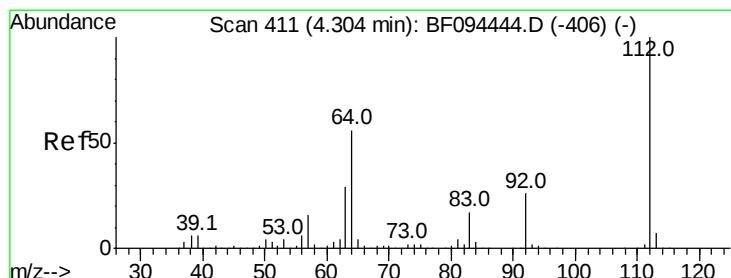
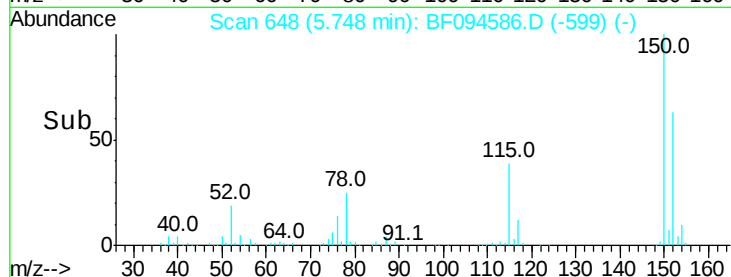
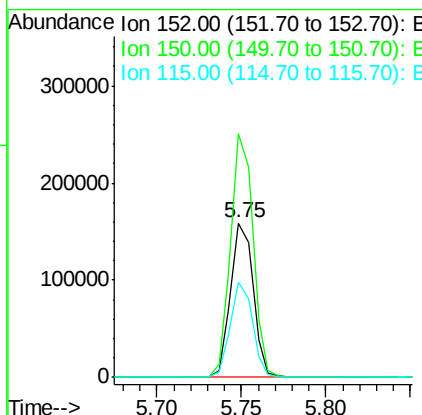
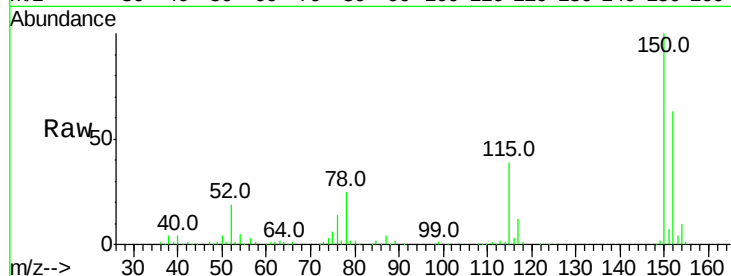


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.75 min Scan# 648
Delta R.T. -0.01 min
Lab File: BF094586.D
Acq: 24 Apr 2017 15:39

Instrument :
BNA_F
ClientSampleId :
PE-3

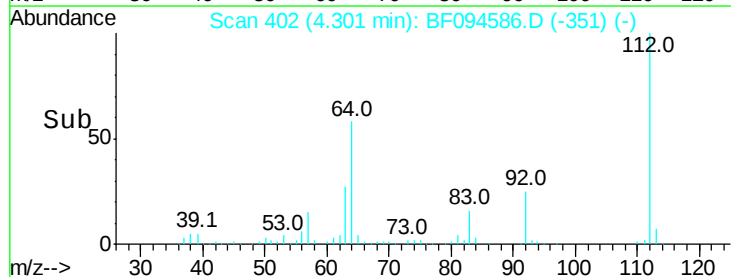
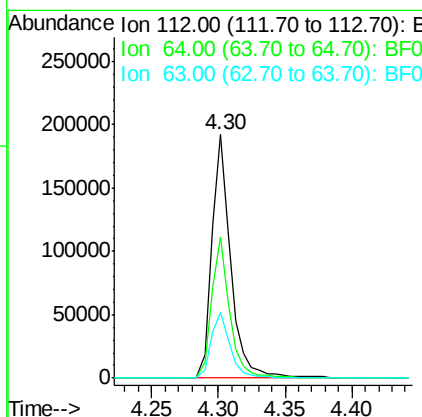
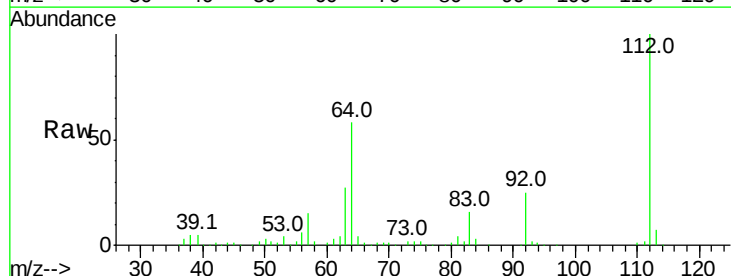
Tot Ion:152 Resp: 148321
Ion Ratio Lower Upper
152 100
150 157.8 126.2 189.2
115 61.7 52.2 78.2

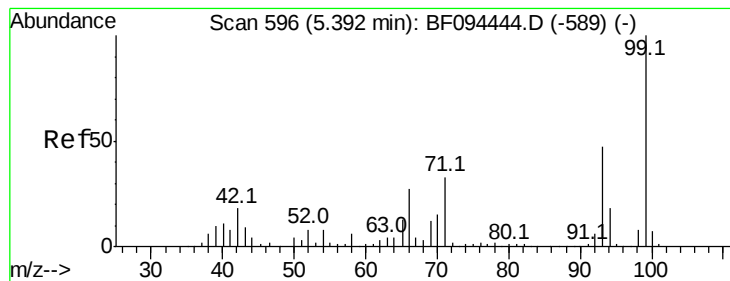


#5

2-Fluorophenol
Concen: 21.43 ng
RT: 4.30 min Scan# 402
Delta R.T. -0.00 min
Lab File: BF094586.D
Acq: 24 Apr 2017 15:39

Tgt Ion:112 Resp: 191629
Ion Ratio Lower Upper
112 100
64 57.9 46.0 69.0
63 26.8 23.4 35.0





#7

Phenol-d6

Concen: 22.74 ng

RT: 5.37 min Scan# 584

Delta R.T. -0.02 min

Lab File: BF094586.D

Acq: 24 Apr 2017 15:39

Instrument :

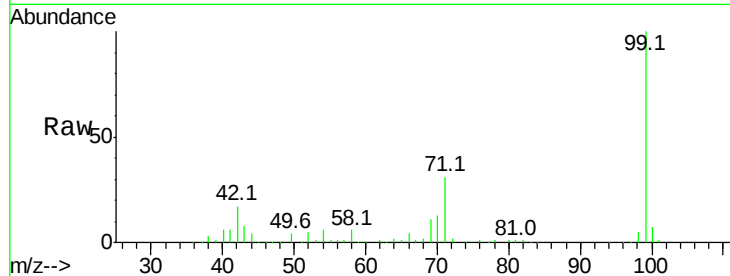
BNA_F

ClientSampleId :

PE-3

Tot Ion: 99 Resp: 239713

Ion	Ratio	Lower	Upper
99	100		
42	16.6	13.5	20.3
71	31.4	24.5	36.7

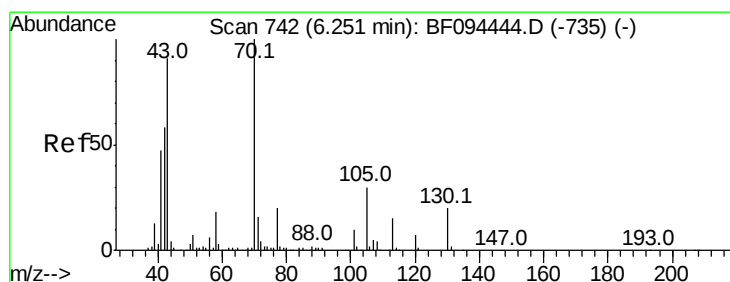
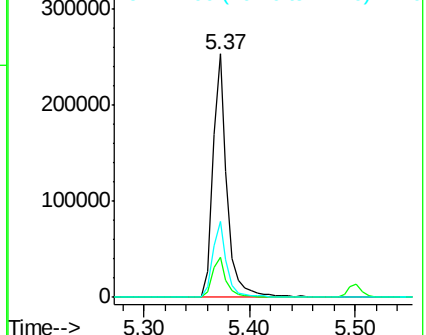
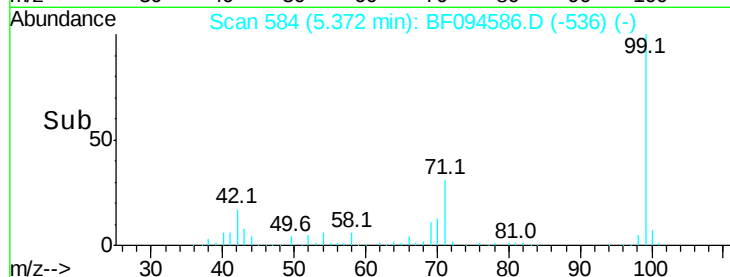


Abundance

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



#19

n-Nitroso-di-n-propylamine

Concen: 2.50 ng

RT: 6.40 min Scan# 758

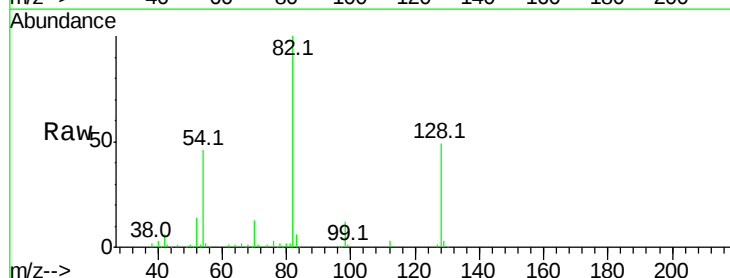
Delta R.T. 0.14 min

Lab File: BF094586.D

Acq: 24 Apr 2017 15:39

Tgt Ion: 70 Resp: 17490

Ion	Ratio	Lower	Upper
70	100		
42	46.6	47.2	70.8#
101	0.0	7.2	10.8#
130	2.0	15.9	23.9#



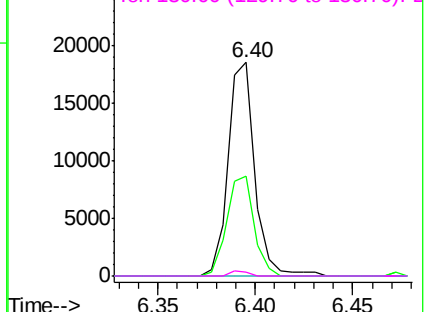
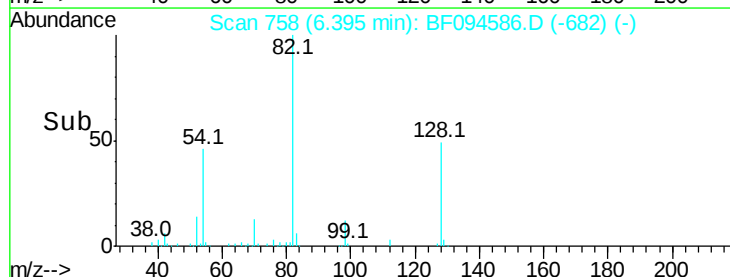
Abundance

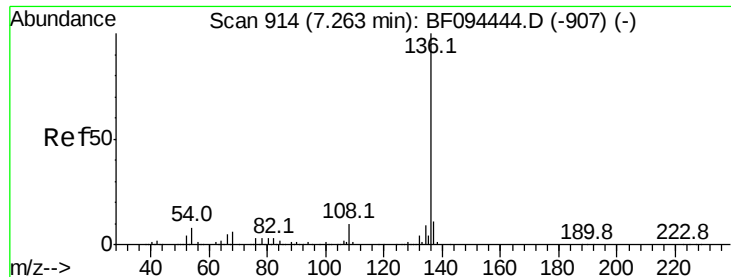
Ion 70.00 (69.70 to 70.70): BF0

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: 7.24 min Scan# 902

Delta R.T. -0.02 min

Lab File: BF094586.D

Acq: 24 Apr 2017 15:39

Instrument :

BNA_F

ClientSampleId :

PE-3

Tot Ion:136 Resp: 565958

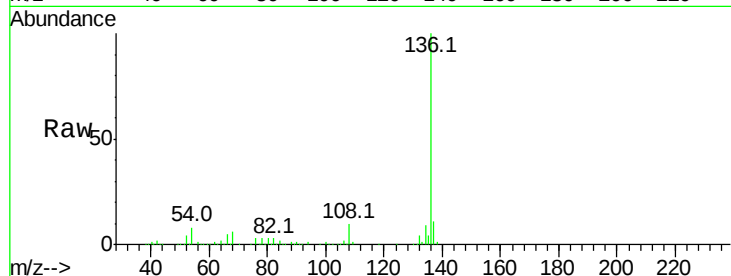
Ion Ratio Lower Upper

136 100

137 11.1 8.5 12.7

54 8.1 4.9 7.3#

68 6.0 4.1 6.1

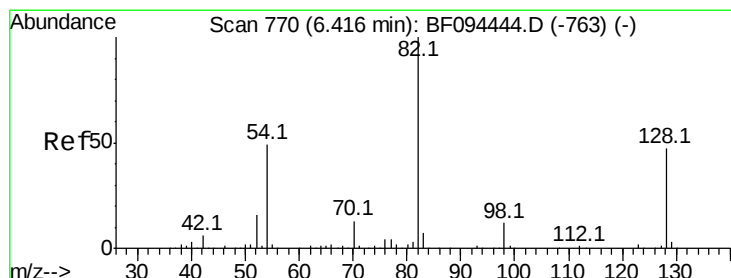
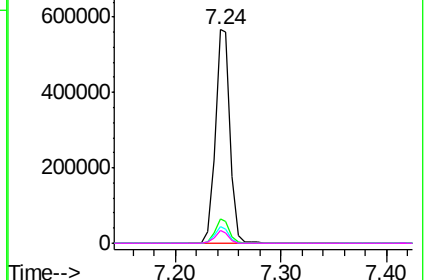
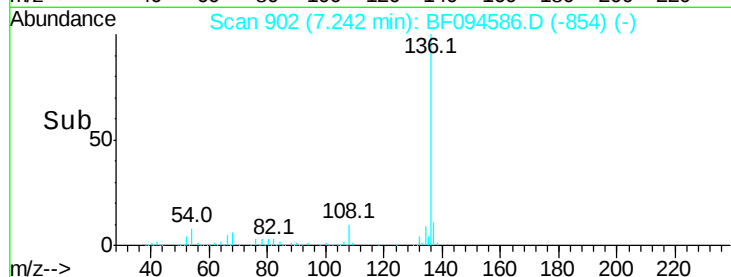


Abundance Ion 136.00 (135.70 to 136.70): E

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: 15.05 ng

RT: 6.40 min Scan# 758

Delta R.T. -0.02 min

Lab File: BF094586.D

Acq: 24 Apr 2017 15:39

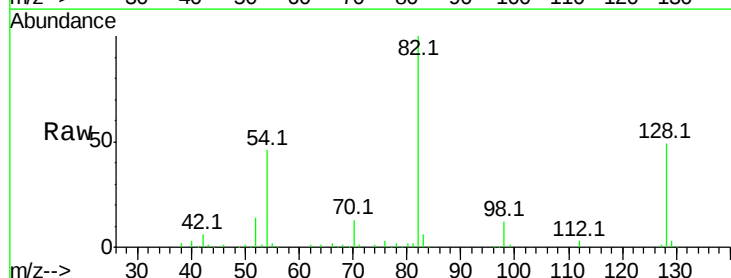
Tgt Ion: 82 Resp: 137952

Ion Ratio Lower Upper

82 100

128 48.6 34.0 51.0

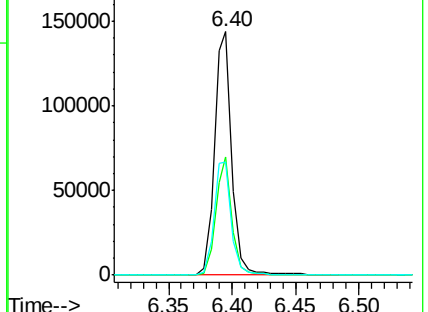
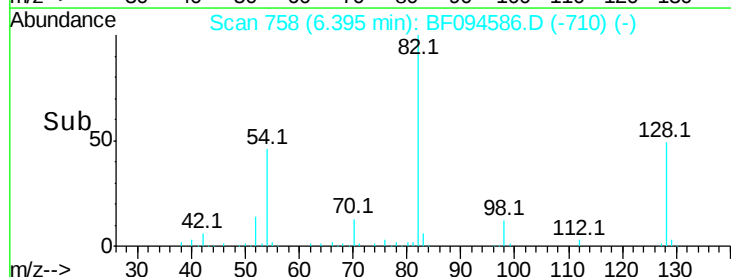
54 46.3 42.2 63.2

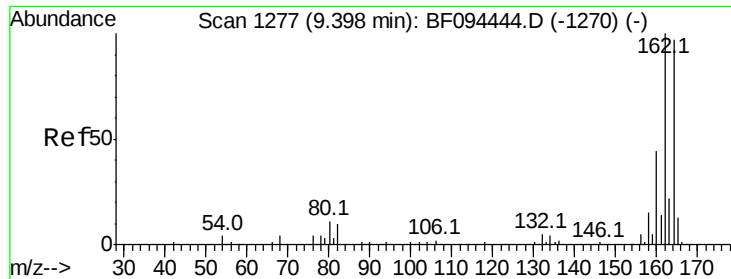


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 9.38 min Scan# 1265

Delta R.T. -0.02 min

Lab File: BF094586.D

Acq: 24 Apr 2017 15:39

Instrument :

BNA_F

ClientSampleId :

PE-3

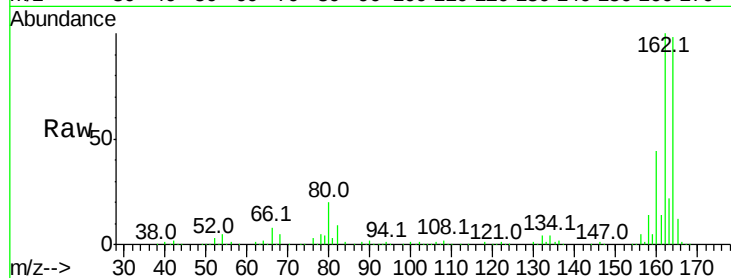
Tot Ion:164 Resp: 238567

Ion Ratio Lower Upper

164 100

162 102.1 82.6 123.8

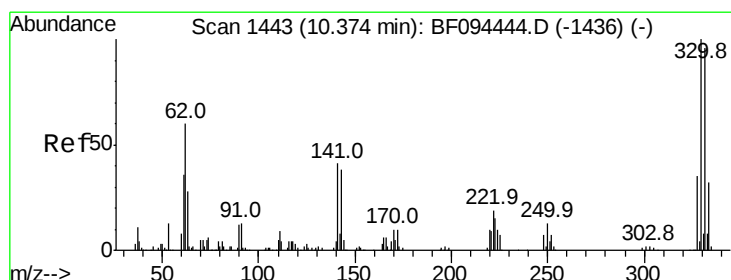
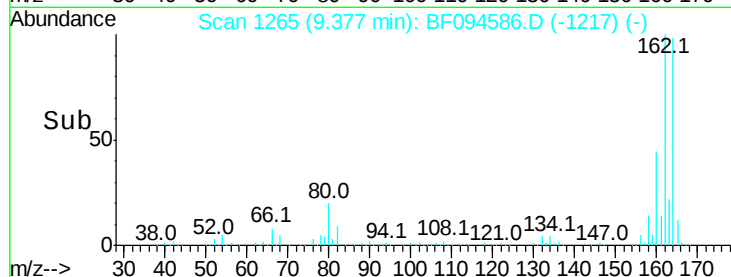
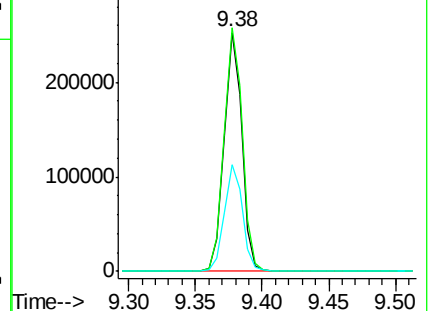
160 44.5 36.2 54.2



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: 20.40 ng

RT: 10.35 min Scan# 1431

Delta R.T. -0.02 min

Lab File: BF094586.D

Acq: 24 Apr 2017 15:39

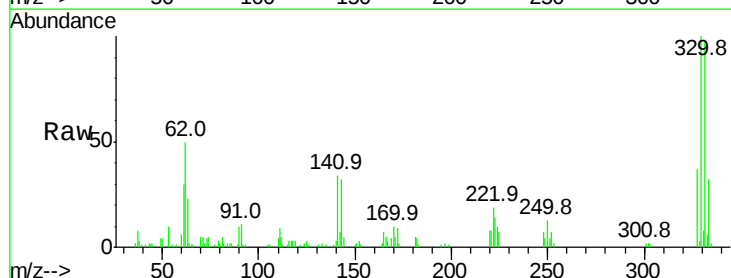
Tgt Ion:330 Resp: 38070

Ion Ratio Lower Upper

330 100

332 97.5 76.6 115.0

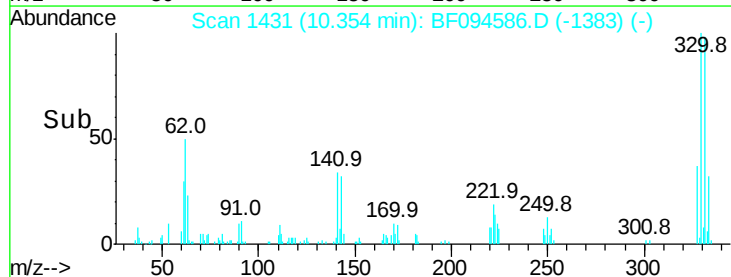
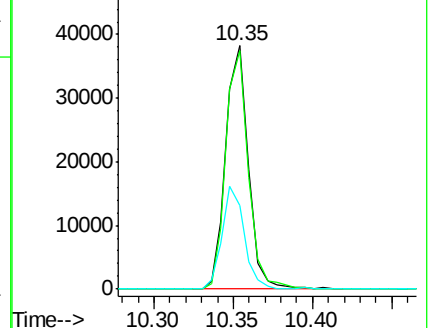
141 40.8 31.4 47.2

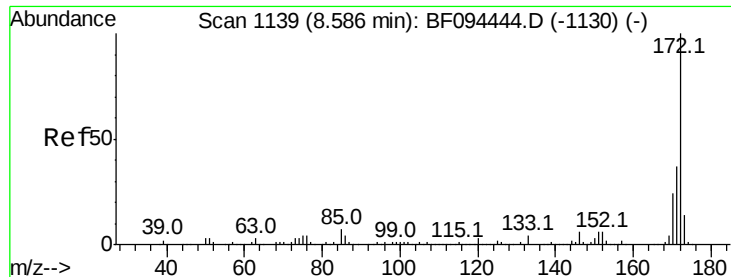


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

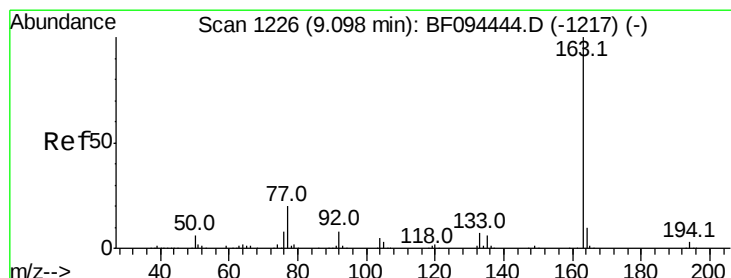
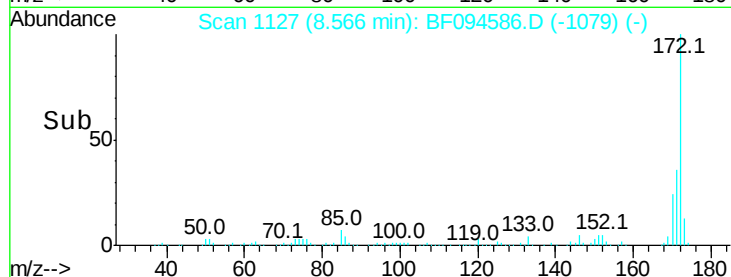
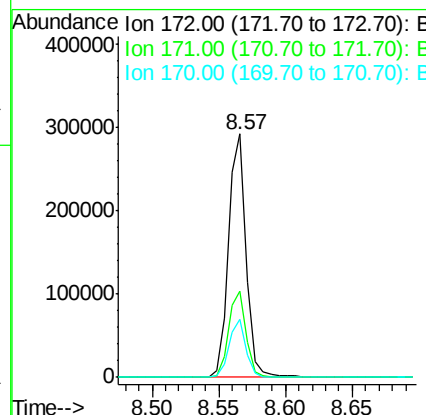
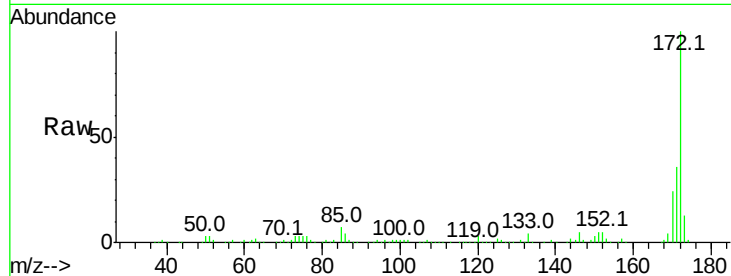




#44
2-Fluorobiphenyl
Concen: 16.84 ng
RT: 8.57 min Scan# 1127
Delta R.T. -0.02 min
Lab File: BF094586.D
Acq: 24 Apr 2017 15:39

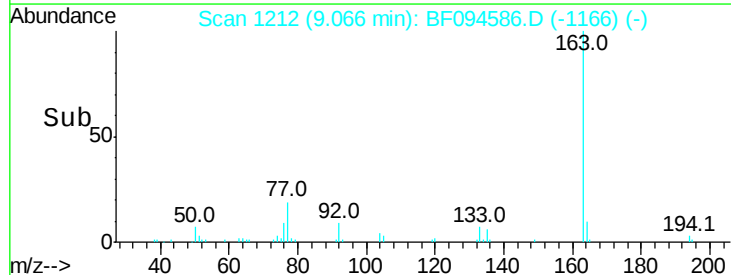
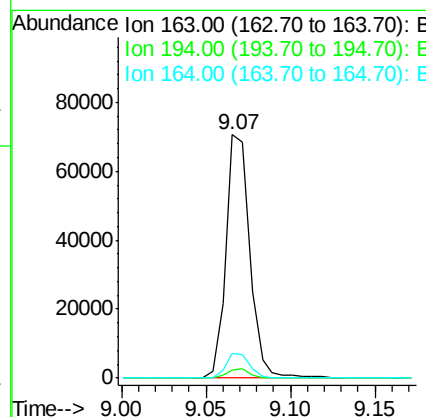
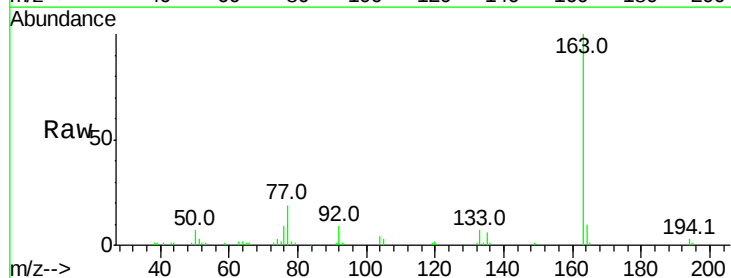
Instrument :
BNA_F
ClientSampleId :
PE-3

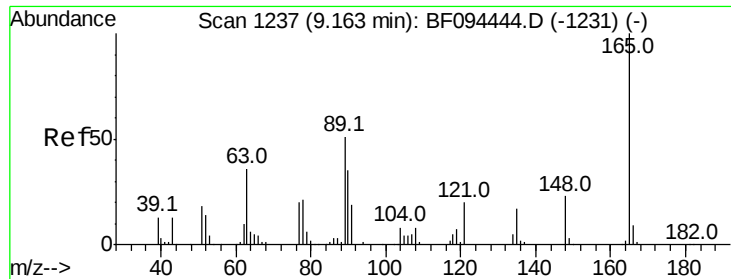
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.6	44.4
170	24.0	19.8	29.8



#49
Dimethylphthalate
Concen: 3.92 ng
RT: 9.07 min Scan# 1212
Delta R.T. -0.03 min
Lab File: BF094586.D
Acq: 24 Apr 2017 15:39

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.6	4.0
164	10.2	8.4	12.6

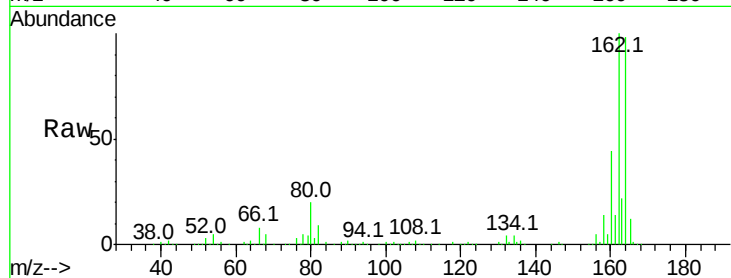




#50
 2,6-Dinitrotoluene
 Concen: 7.53 ng
 RT: 9.38 min Scan# 1265
 Delta R.T. 0.21 min
 Lab File: BF094586.D
 Acq: 24 Apr 2017 15:39

Instrument :
 BNA_F
 ClientSampleId :
 PE-3

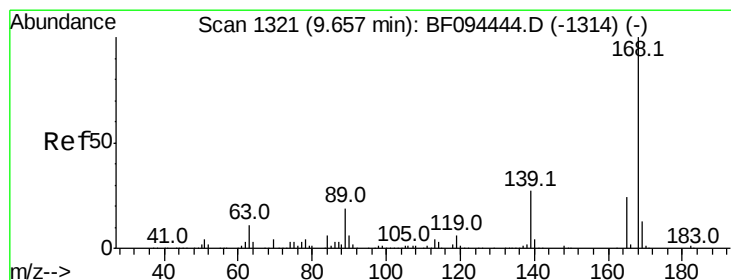
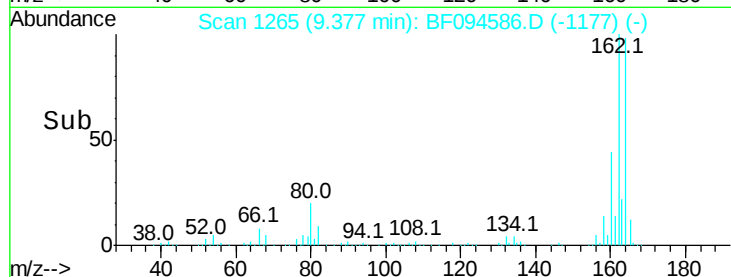
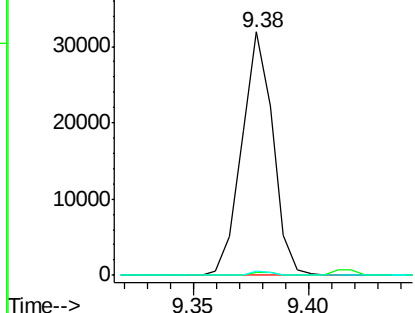
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	34.3	51.5#
89	1.8	37.1	55.7#



Abundance Ion 165.00 (164.70 to 165.70): E

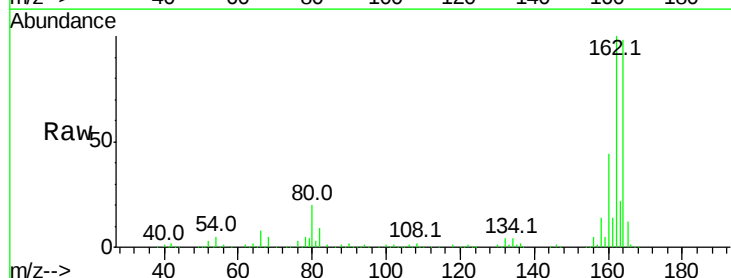
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56
 2,4-Dinitrotoluene
 Concen: 6.14 ng
 RT: 9.38 min Scan# 1265
 Delta R.T. -0.28 min
 Lab File: BF094586.D
 Acq: 24 Apr 2017 15:39

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	25.4	38.0#
89	1.8	46.4	69.6#
182	0.0	1.8	2.6#

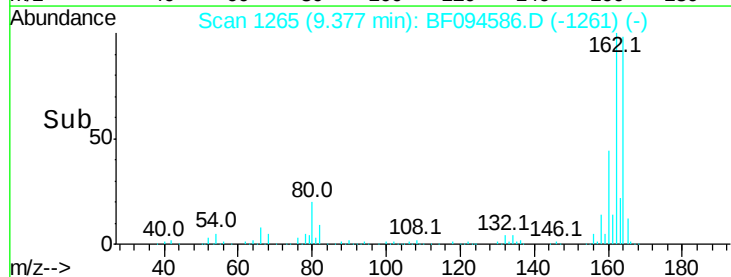
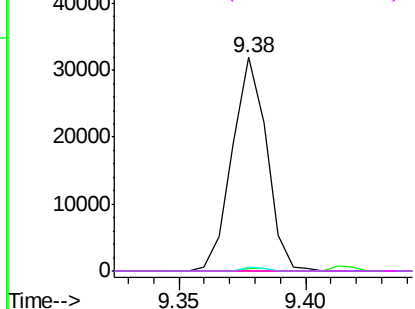


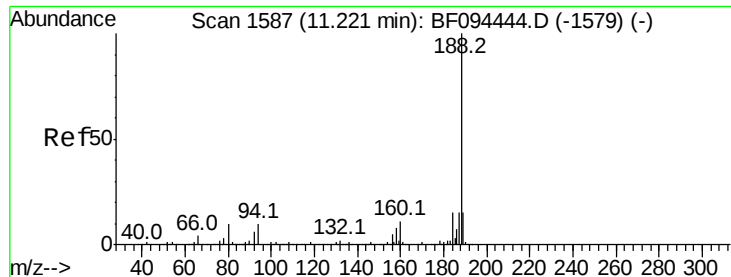
Abundance Ion 165.00 (164.70 to 165.70): E

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

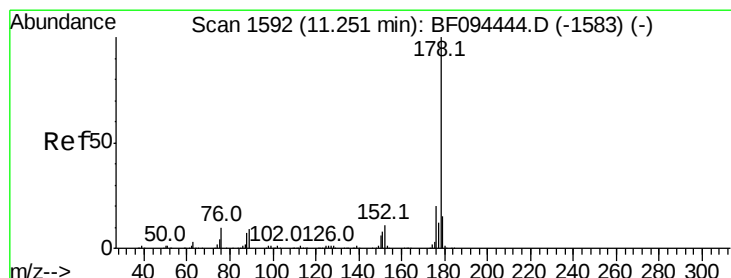
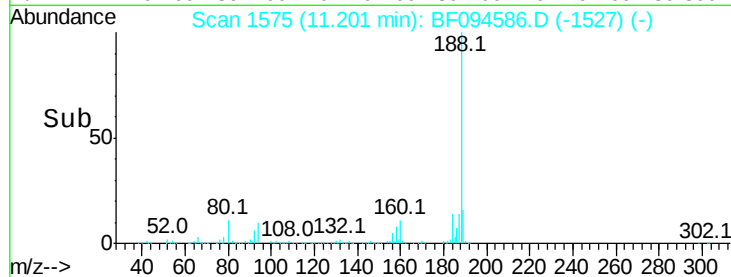
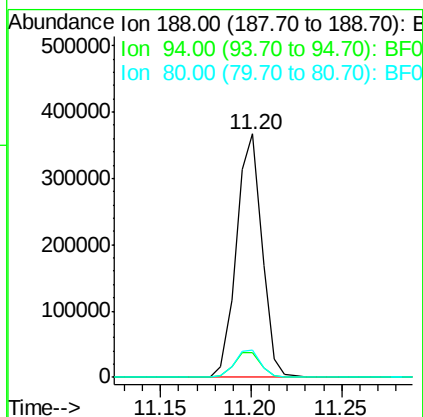
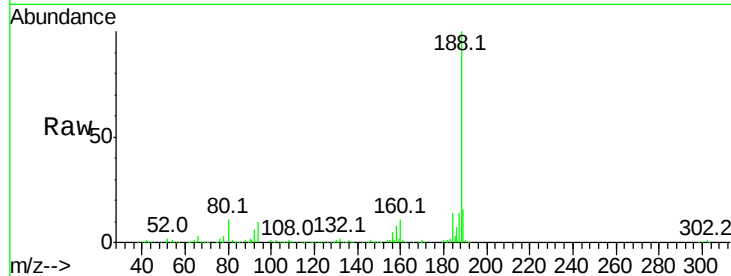




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.20 min Scan# 1575
Delta R.T. -0.02 min
Lab File: BF094586.D
Acq: 24 Apr 2017 15:39

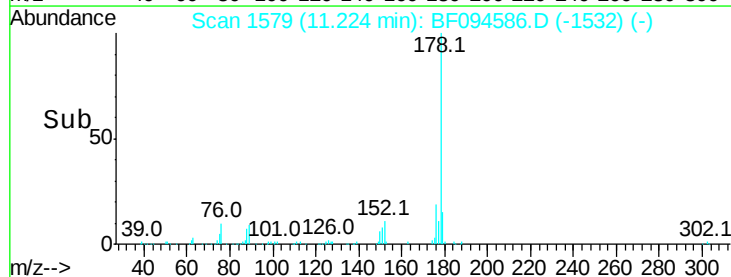
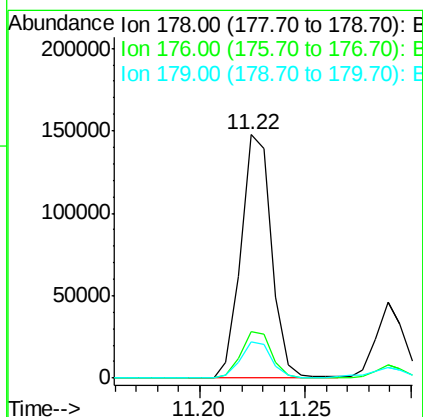
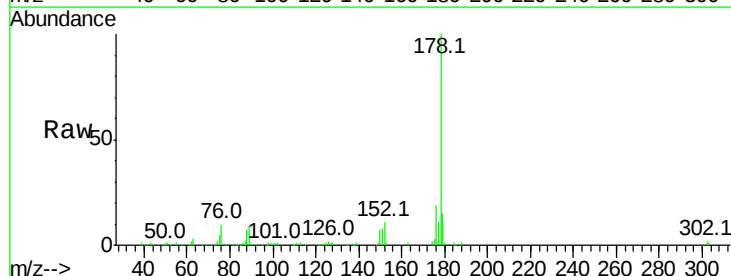
Instrument :
BNA_F
ClientSampleId :
PE-3

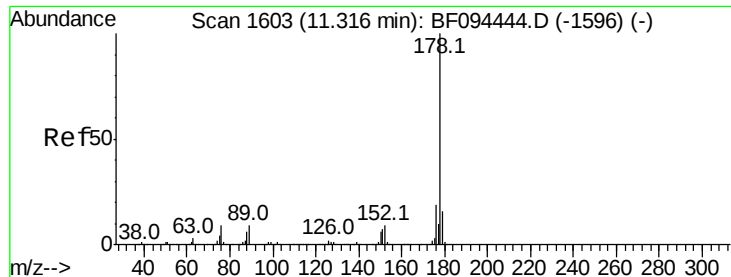
Tot Ion:188 Resp: 359721
Ion Ratio Lower Upper
188 100
94 10.0 9.4 14.2
80 11.3 10.2 15.2



#70
Phenanthrene
Concen: 7.32 ng
RT: 11.22 min Scan# 1579
Delta R.T. -0.03 min
Lab File: BF094586.D
Acq: 24 Apr 2017 15:39

Tgt Ion:178 Resp: 148241
Ion Ratio Lower Upper
178 100
176 18.9 16.2 24.4
179 15.0 12.6 19.0

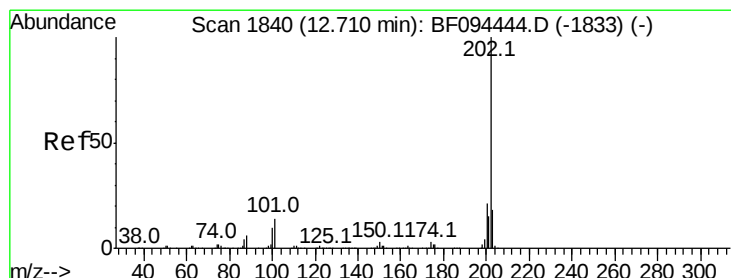
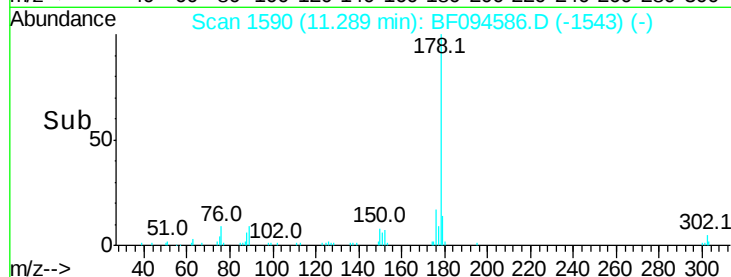
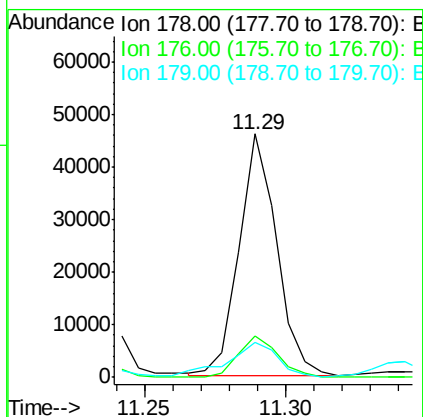
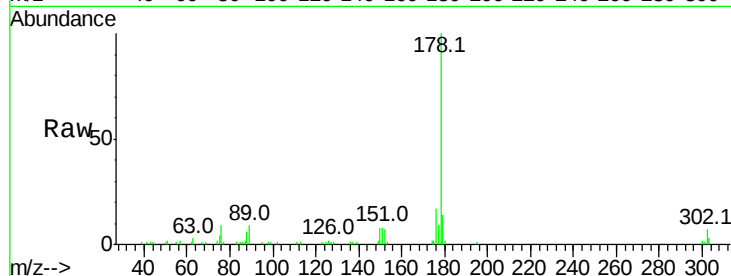




#71
 Anthracene
 Concen: 2.03 ng
 RT: 11.29 min Scan# 1590
 Delta R.T. -0.03 min
 Lab File: BF094586.D
 Acq: 24 Apr 2017 15:39

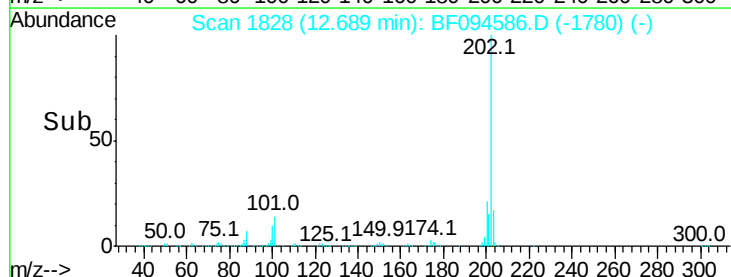
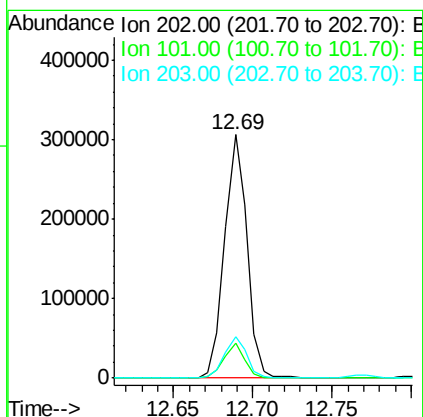
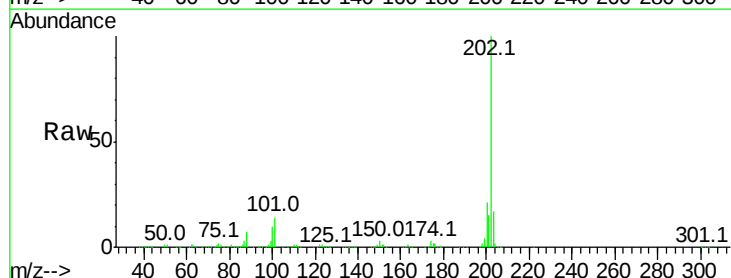
Instrument :
 BNA_F
 ClientSampleId :
 PE-3

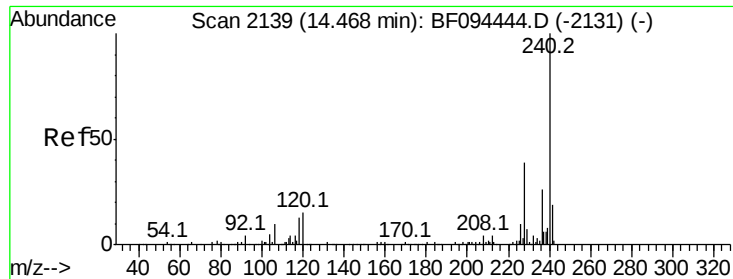
Tot Ion:178 Resp: 42562
 Ion Ratio Lower Upper
 178 100
 176 17.2 15.8 23.8
 179 14.3 12.7 19.1



#74
 Fluoranthene
 Concen: 14.34 ng
 RT: 12.69 min Scan# 1828
 Delta R.T. -0.02 min
 Lab File: BF094586.D
 Acq: 24 Apr 2017 15:39

Tgt Ion:202 Resp: 301091
 Ion Ratio Lower Upper
 202 100
 101 14.2 0.0 33.2
 203 17.2 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: BF094586.D

Acq: 24 Apr 2017 15:39

Instrument :

BNA_F

ClientSampleId :

PE-3

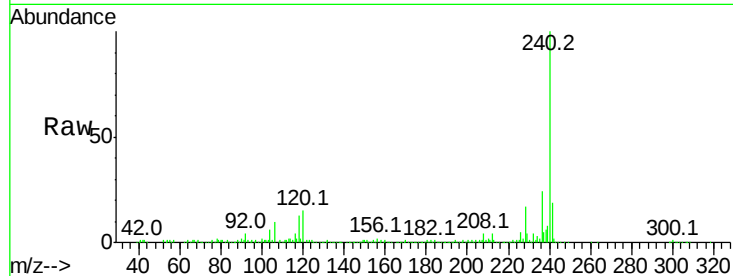
Tot Ion:240 Resp: 266004

Ion Ratio Lower Upper

240 100

120 15.3 5.8 8.8#

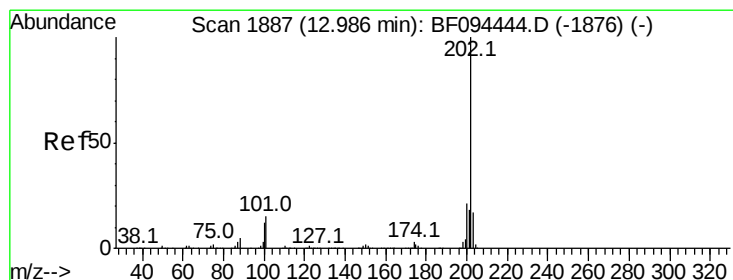
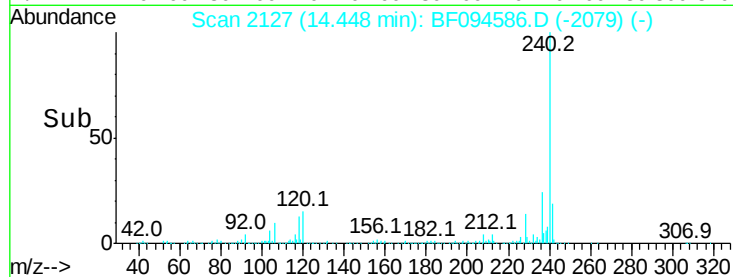
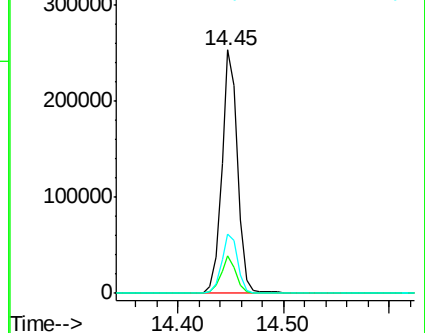
236 24.4 20.5 30.7



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

Pyrene

Concen: 13.91 ng

RT: 12.97 min Scan# 1875

Delta R.T. -0.02 min

Lab File: BF094586.D

Acq: 24 Apr 2017 15:39

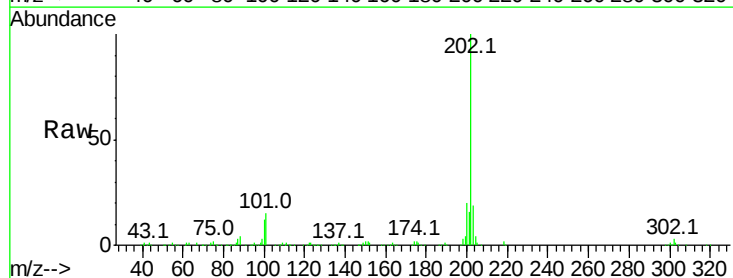
Tgt Ion:202 Resp: 258459

Ion Ratio Lower Upper

202 100

200 20.3 17.6 26.4

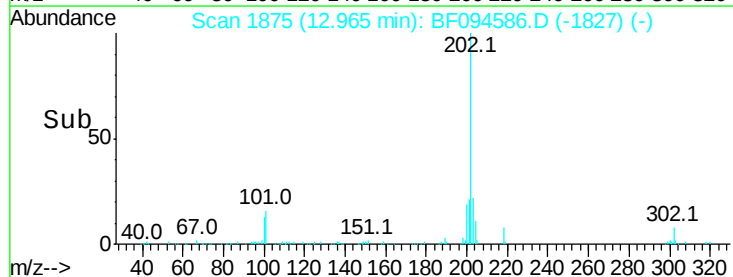
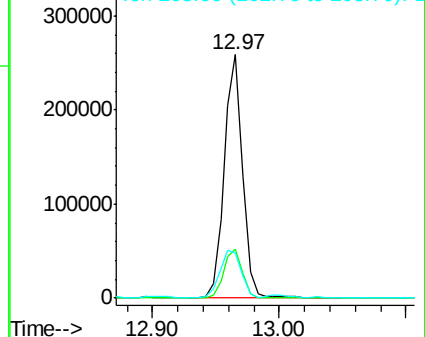
203 18.5 14.4 21.6

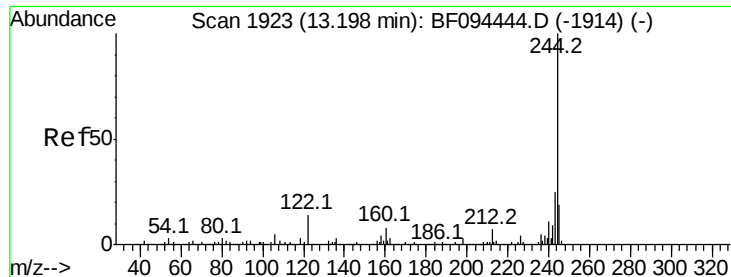


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 16.00 ng

RT: 13.17 min Scan# 1910

Delta R.T. -0.03 min

Lab File: BF094586.D

Acq: 24 Apr 2017 15:39

Instrument :

BNA_F

ClientSampleId :

PE-3

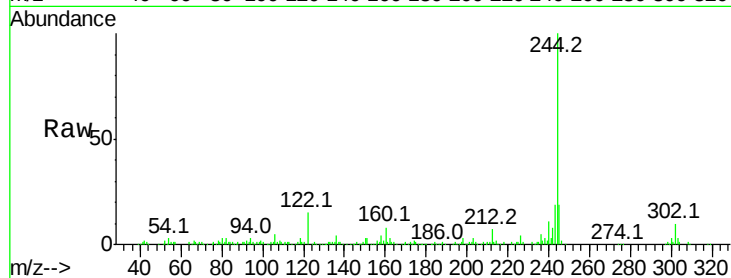
Tot Ion:244 Resp: 159181

Ion Ratio Lower Upper

244 100

212 6.6 6.0 9.0

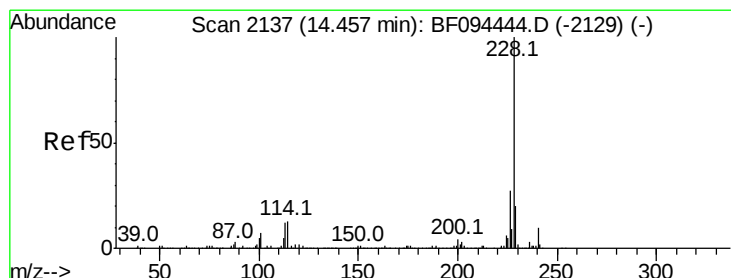
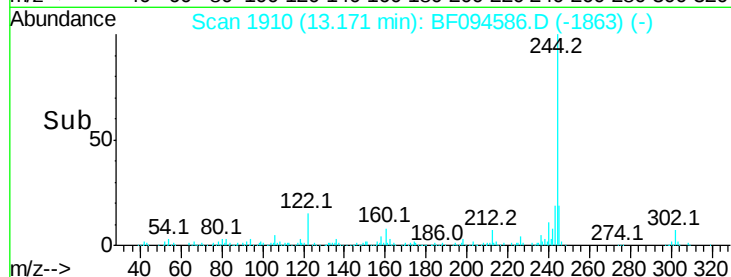
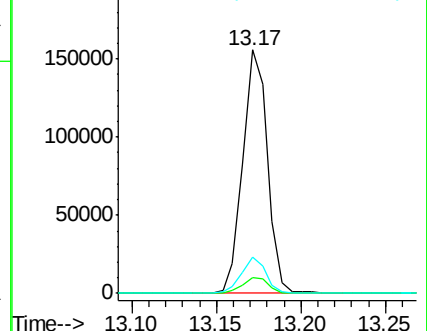
122 14.9 10.3 15.5



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: 8.95 ng

RT: 14.44 min Scan# 2125

Delta R.T. -0.02 min

Lab File: BF094586.D

Acq: 24 Apr 2017 15:39

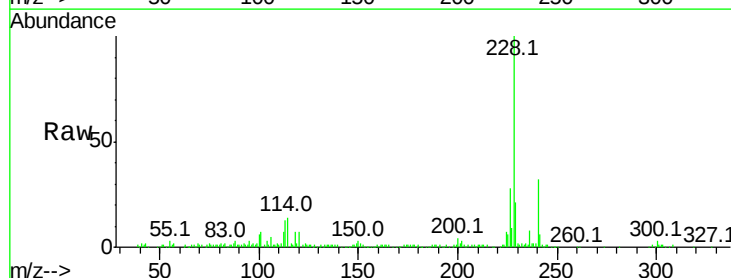
Tgt Ion:228 Resp: 138450

Ion Ratio Lower Upper

228 100

226 28.3 22.6 33.8

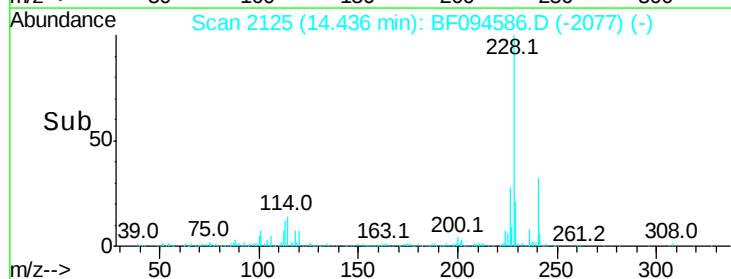
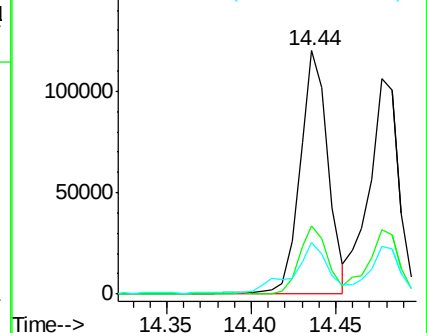
229 21.4 16.3 24.5

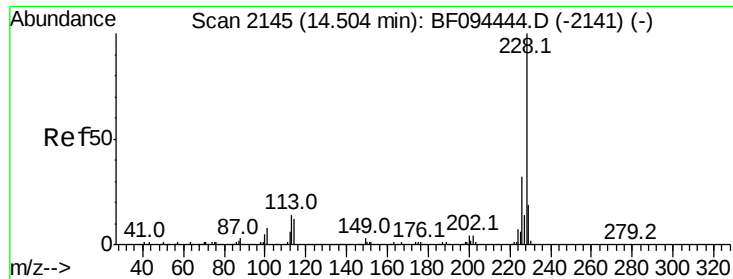


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 9.37 ng

RT: 14.48 min Scan# 2132

Delta R.T. -0.03 min

Lab File: BF094586.D

Acq: 24 Apr 2017 15:39

Instrument :

BNA_F

ClientSampleId :

PE-3

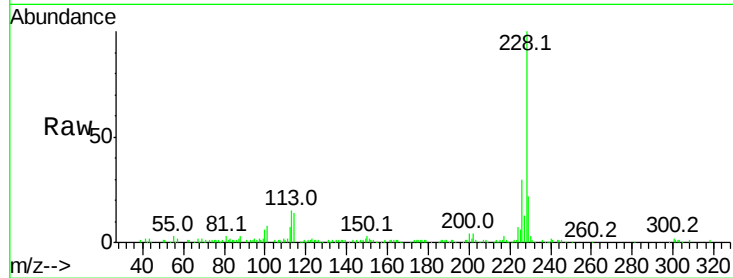
Tot Ion:228 Resp: 132335

Ion Ratio Lower Upper

228 100

226 29.8 24.9 37.3

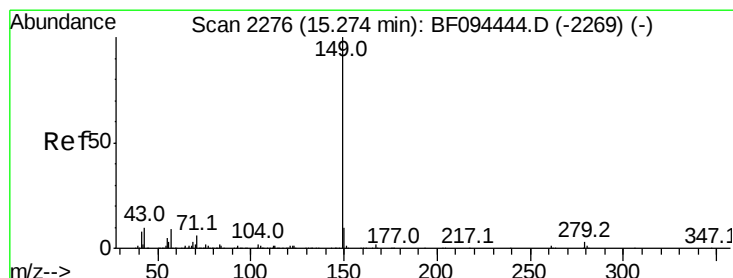
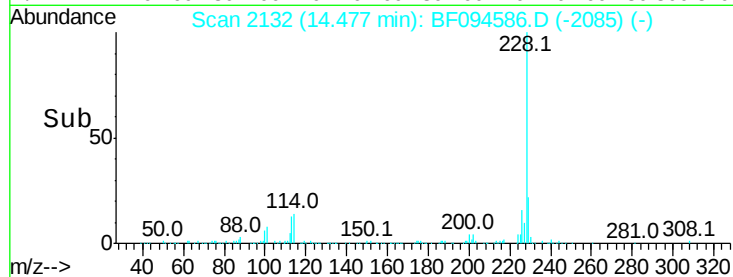
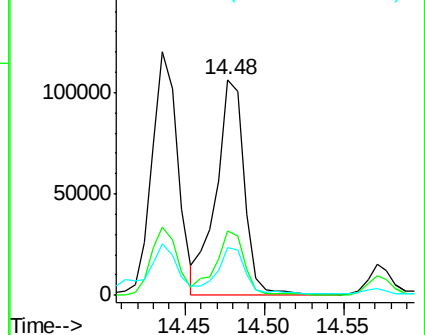
229 22.3 15.8 23.6



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



#84

Di-n-octyl phthalate

Concen: 5.89 ng

RT: 15.37 min Scan# 2284

Delta R.T. 0.10 min

Lab File: BF094586.D

Acq: 24 Apr 2017 15:39

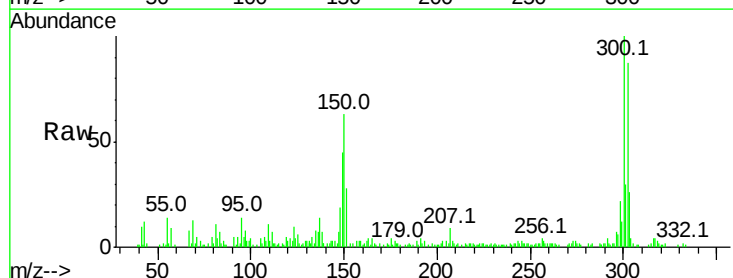
Tgt Ion:149 Resp: 108106

Ion Ratio Lower Upper

149 100

167 0.2 1.2 1.8#

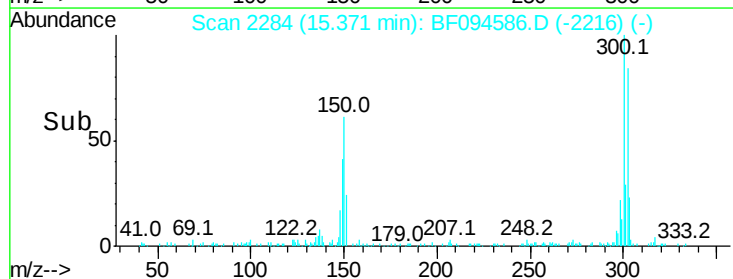
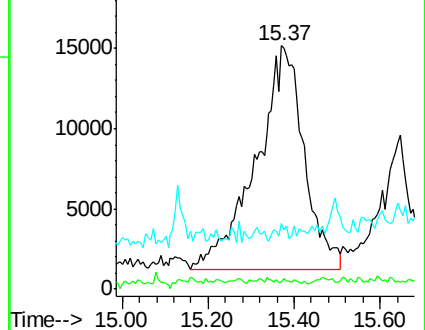
43 1.7 8.5 12.7#

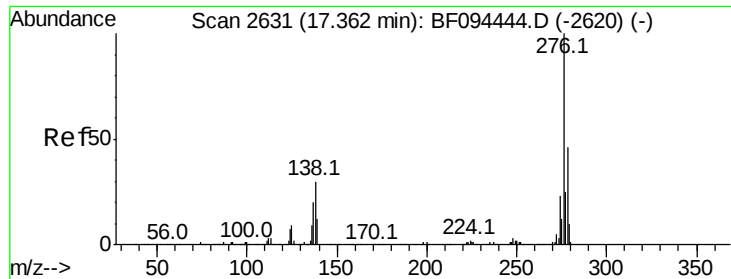


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

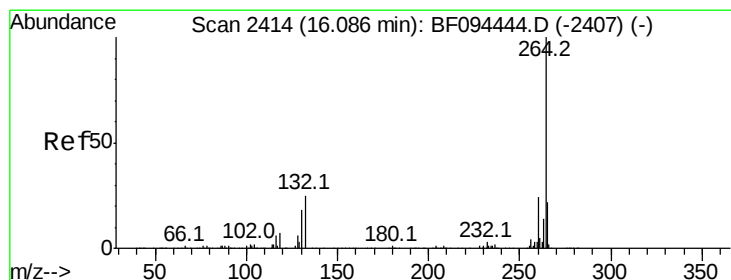
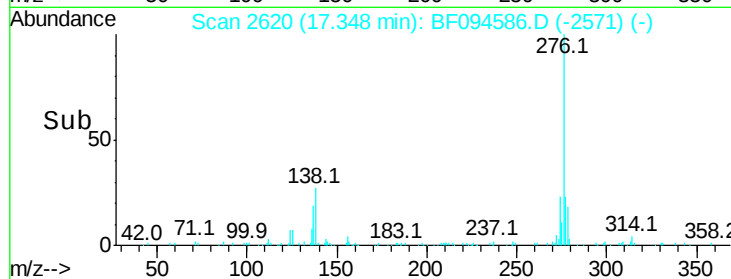
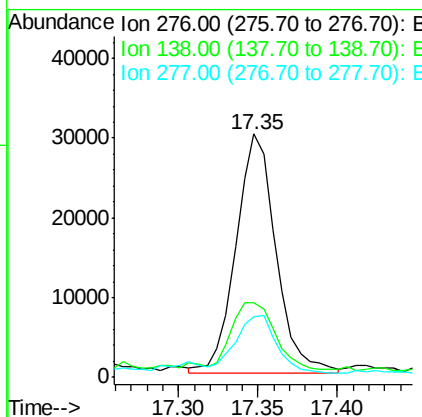
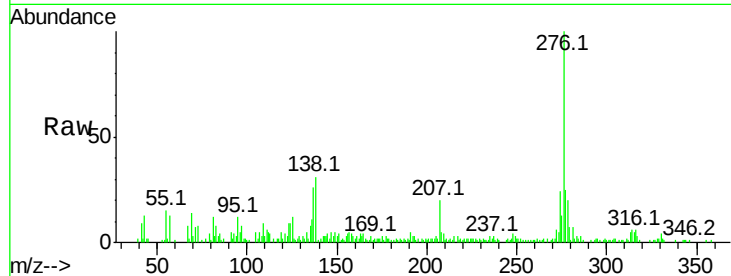




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.93 ng
 RT: 17.35 min Scan# 2620
 Delta R.T. -0.01 min
 Lab File: BF094586.D
 Acq: 24 Apr 2017 15:39

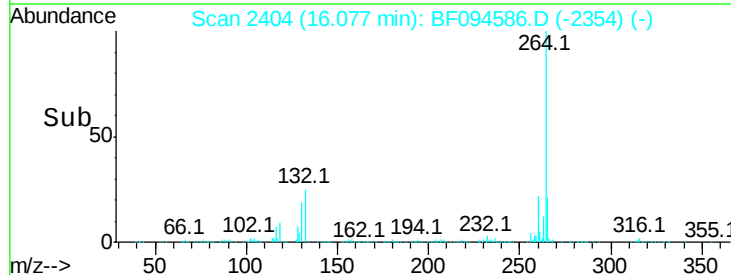
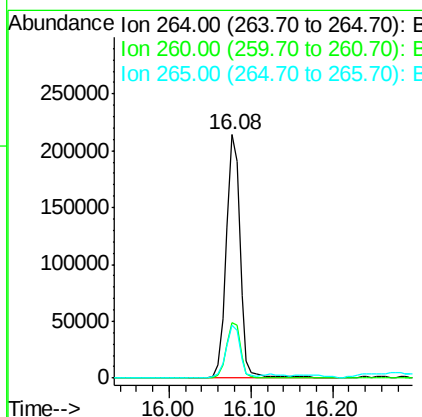
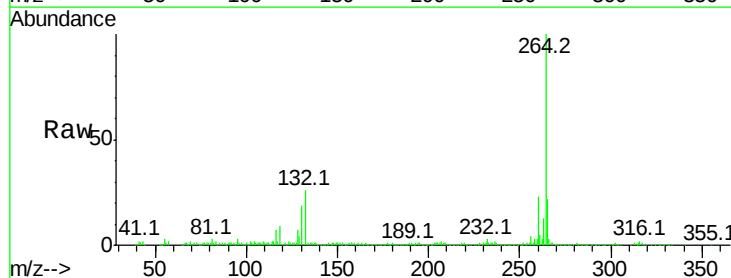
Instrument :
 BNA_F
 ClientSampleId :
 PE-3

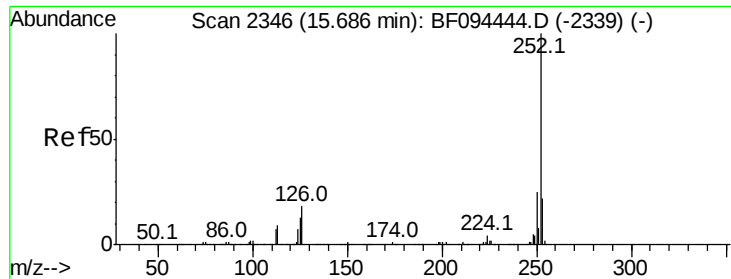
Tot Ion:276 Resp: 52886
 Ion Ratio Lower Upper
 276 100
 138 32.7 27.8 41.6
 277 25.3 20.2 30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.08 min Scan# 2404
 Delta R.T. -0.01 min
 Lab File: BF094586.D
 Acq: 24 Apr 2017 15:39

Tgt Ion:264 Resp: 254386
 Ion Ratio Lower Upper
 264 100
 260 22.6 19.5 29.3
 265 21.5 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 13.36 ng

RT: 15.68 min Scan# 2336

Delta R.T. -0.01 min

Lab File: BF094586.D

Acq: 24 Apr 2017 15:39

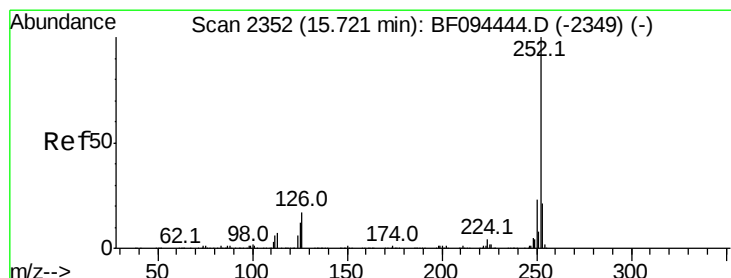
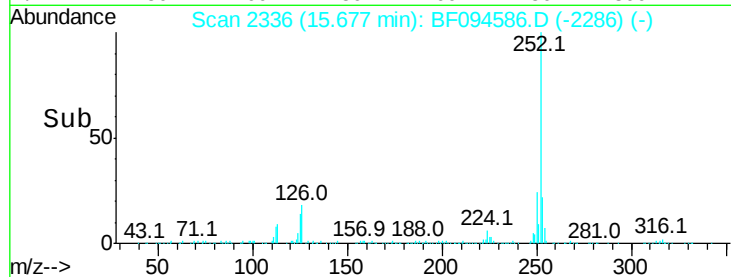
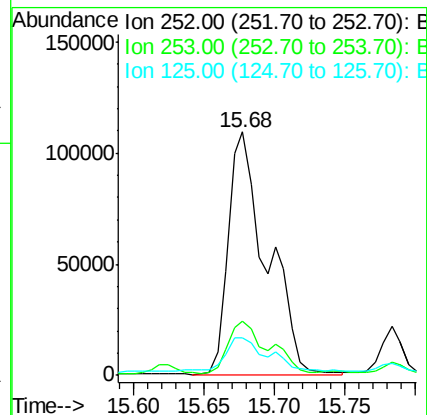
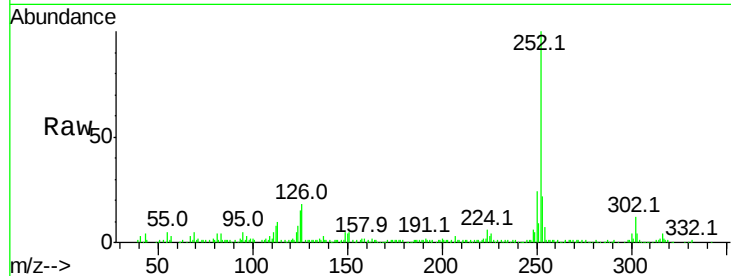
Instrument :

BNA_F

ClientSampleId :

PE-3

Tot Ion:252	Resp:	207971
Ion Ratio	Lower	Upper
252	100	
253	22.2	18.1 27.1
125	15.3	9.8 14.8#



#88

Benzo(k)fluoranthene

Concen: 14.12 ng

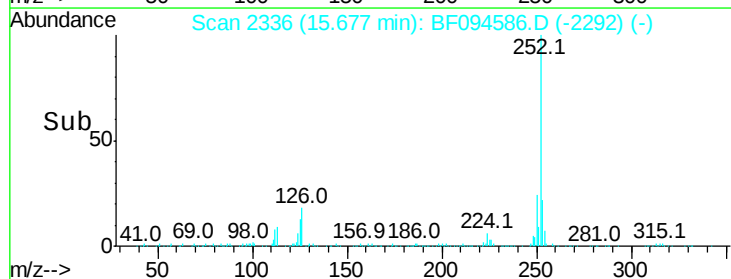
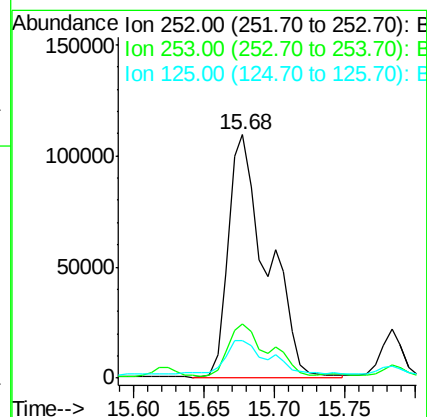
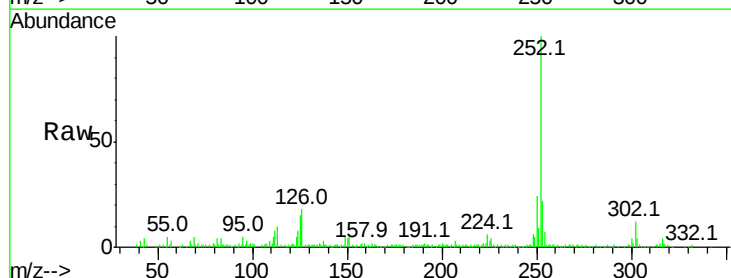
RT: 15.68 min Scan# 2336

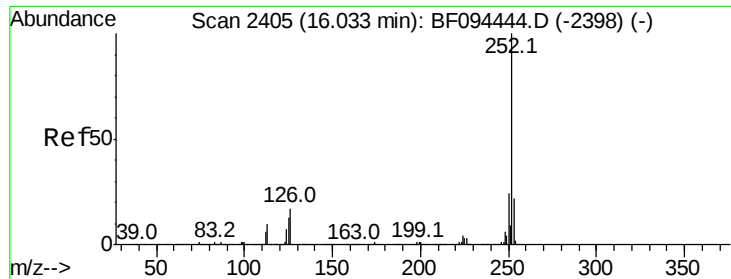
Delta R.T. -0.04 min

Lab File: BF094586.D

Acq: 24 Apr 2017 15:39

Tgt Ion:252	Resp:	207971
Ion Ratio	Lower	Upper
252	100	
253	22.2	18.4 27.6
125	15.3	13.1 19.7

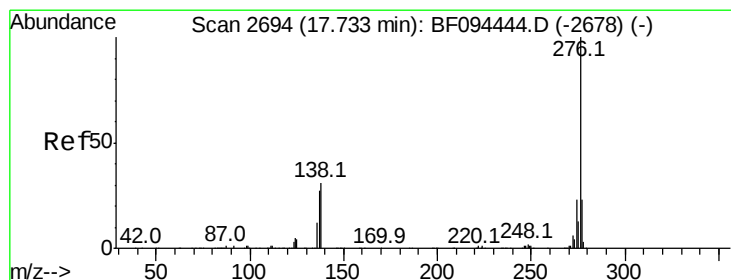
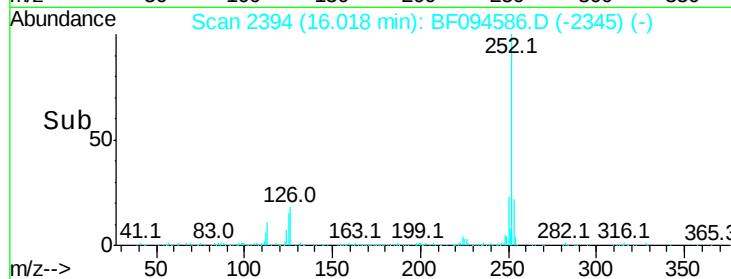
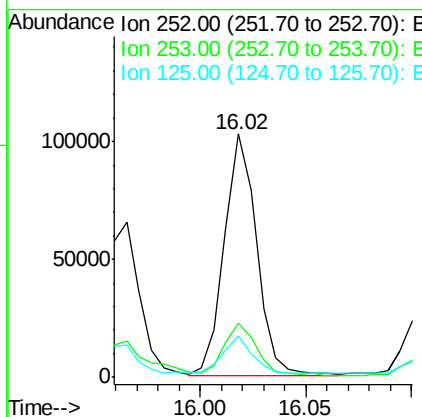
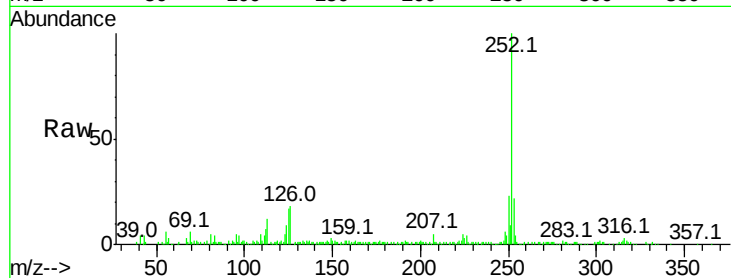




#89
Benzo(a)pyrene
Concen: 7.55 ng
RT: 16.02 min Scan# 2394
Delta R.T. -0.01 min
Lab File: BF094586.D
Acq: 24 Apr 2017 15:39

Instrument :
BNA_F
ClientSampled :
PE-3

Tot Ion:252 Resp: 109324
Ion Ratio Lower Upper
252 100
253 22.5 17.5 26.3
125 16.9 11.0 16.4#



#91
Benzo(g,h,i)perylene
Concen: 3.91 ng
RT: 17.72 min Scan# 2683
Delta R.T. -0.01 min
Lab File: BF094586.D
Acq: 24 Apr 2017 15:39

Tgt Ion:276 Resp: 47858
Ion Ratio Lower Upper
276 100
277 25.0 18.6 28.0
138 36.0 25.4 38.0

