

Data File : BF093026.D
Acq On : 17 Feb 2017 22:26
Operator : SJ/MA
Sample : I1884-01 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PIT-A-COMP

Quant Time: Feb 17 23:41:19 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 17 17:31:55 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	155640	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	596942	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	263031	20.00	ng	0.00
63) Phenanthrene-d10	11.38	188	408789	20.00	ng	0.00
75) Chrysene-d12	14.01	240	302379	20.00	ng	-0.01
86) Perylene-d12	15.45	264	262669	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	592154	65.27	ng	0.00
7) Phenol-d6	6.50	99	837614	71.76	ng	0.01
23) Nitrobenzene-d5	7.42	82	496710	46.34	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	120667	63.43	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	791467	54.51	ng	0.00
78) Terphenyl-d14	12.96	244	451197	35.06	ng	-0.01

Target Compounds						Qvalue
10) Phenol	6.51	94	63012	4.61	ng	# 69
19) n-Nitroso-di-n-propylamine	7.42	70	66320	8.93	ng	# 78
49) Dimethylphthalate	9.61	163	105379	5.95	ng	98
56) 2,4-Dinitrotoluene	9.89	165	34718	6.82	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.68	198	501	2.86	ng	# 1
66) 4-Bromophenyl-phenylether	10.68	248	9308	2.18	ng	# 1
70) Phenanthrene	11.40	178	119100	5.09	ng	97
74) Fluoranthene	12.59	202	243940	10.10	ng	95
77) Pyrene	12.82	202	237290	10.49	ng	97
80) Benzo(a)anthracene	14.01	228	131740	7.12	ng	94
82) Chrysene	14.01	228	131740	7.61	ng	98
85) Indeno(1,2,3-cd)pyrene	16.85	276	53472	3.99	ng	95
87) Benzo(b)fluoranthene	15.04	252	194441	11.25	ng	# 95
88) Benzo(k)fluoranthene	15.04	252	194441	13.03	ng	# 94
89) Benzo(a)pyrene	15.39	252	102424	6.85	ng	# 96
91) Benzo(g,h,i)perylene	17.29	276	57908	4.74	ng	# 88

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

Data File : BF093026.D

Acq On : 17 Feb 2017 22:26

Operator : SJ/MA

Sample : I1884-01 2X

Misc :

ALS Vial : 23 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

PIT-A-COMP

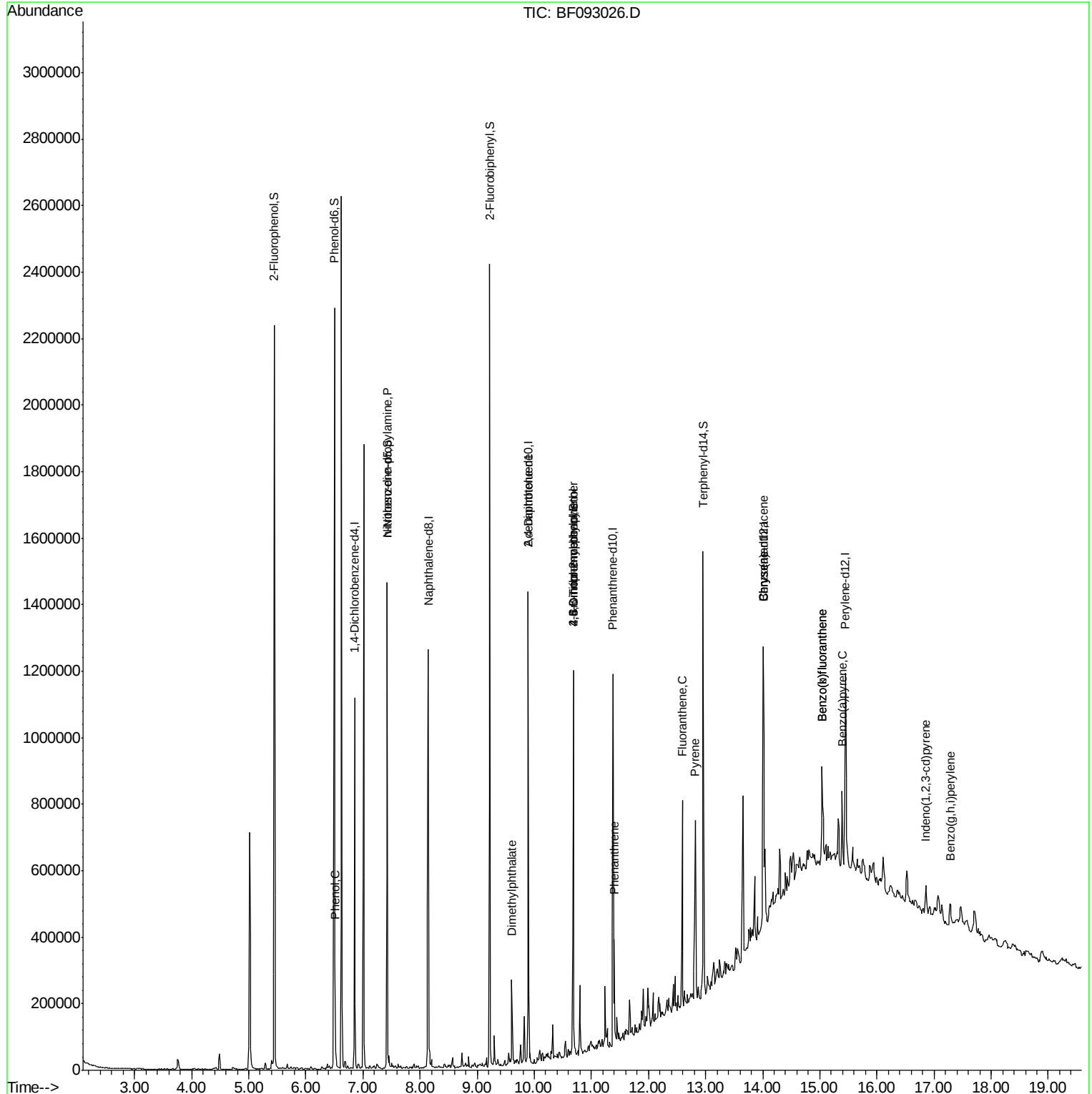
Quant Time: Feb 17 23:41:19 2017

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Feb 17 17:31:55 2017

Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 417

Delta R.T. -0.00 min

Lab File: BF093026.D

Acq: 17 Feb 2017 22:26

Instrument :

BNA_F

ClientSampleId :

PIT-A-COMP

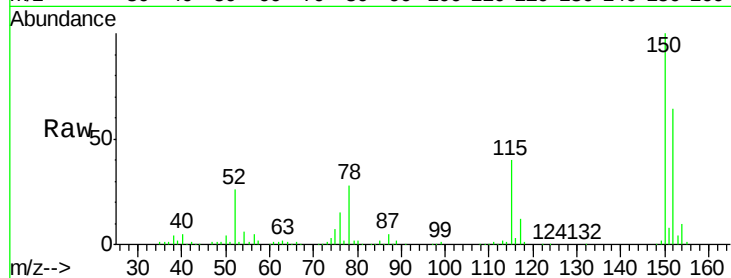
Tgt Ion:152 Resp: 155640

Ion Ratio Lower Upper

152 100

150 157.4 124.9 187.3

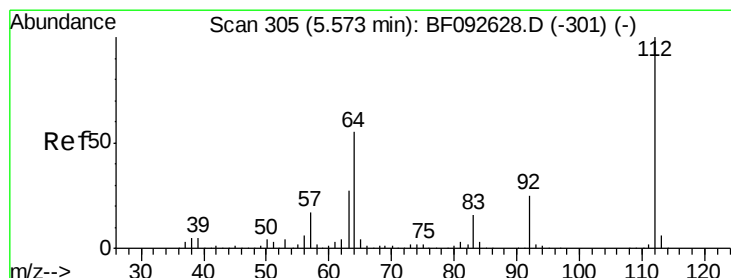
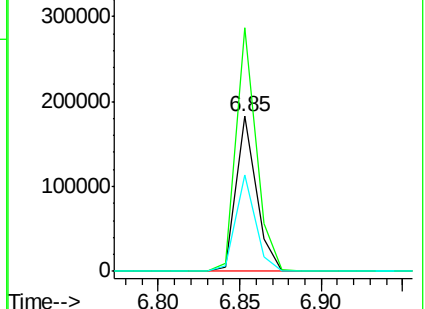
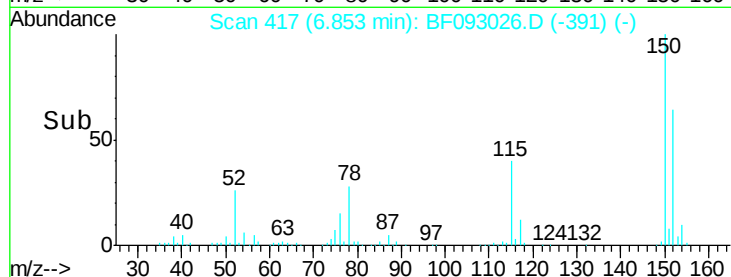
115 62.6 46.0 69.0



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: 65.27 ng

RT: 5.45 min Scan# 294

Delta R.T. -0.00 min

Lab File: BF093026.D

Acq: 17 Feb 2017 22:26

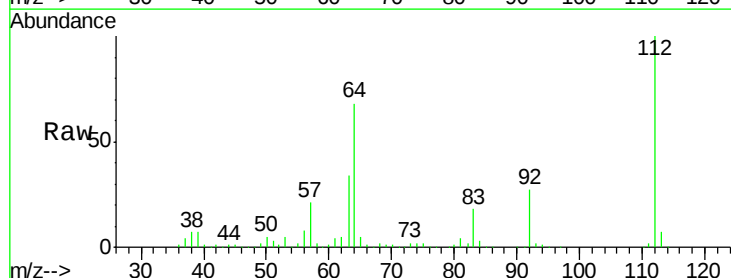
Tgt Ion:112 Resp: 592154

Ion Ratio Lower Upper

112 100

64 68.5 46.1 69.1

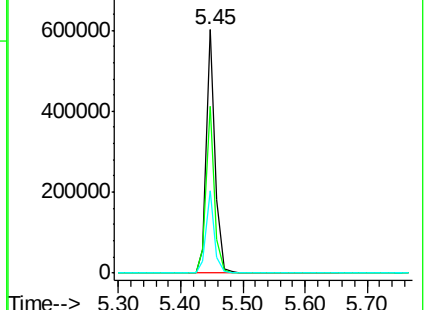
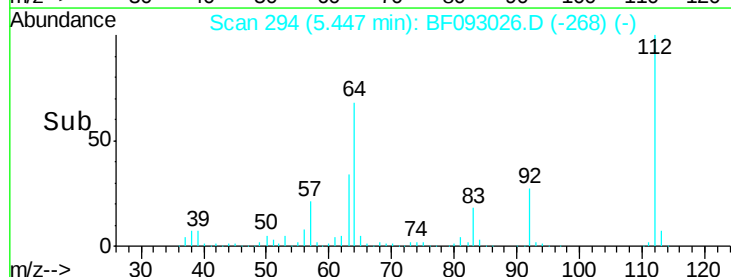
63 33.9 23.8 35.6



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: 71.76 ng

RT: 6.50 min Scan# 386

Delta R.T. 0.01 min

Lab File: BF093026.D

Acq: 17 Feb 2017 22:26

Instrument :

BNA_F

ClientSampleId :

PIT-A-COMP

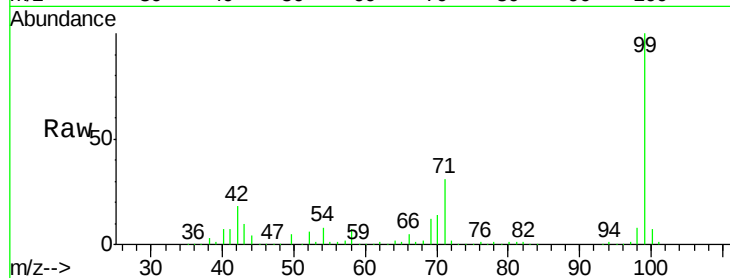
Tgt Ion: 99 Resp: 837614

Ion Ratio Lower Upper

99 100

42 18.2 15.6 23.4

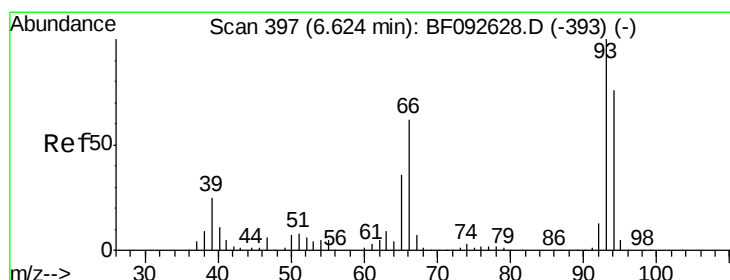
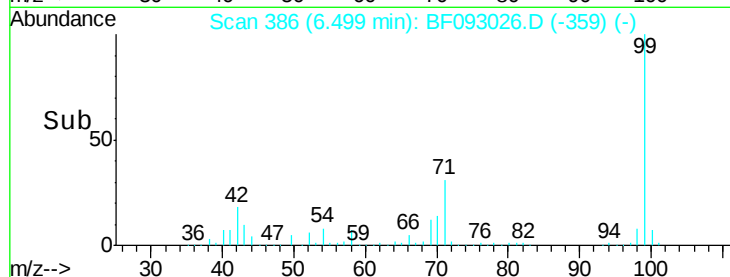
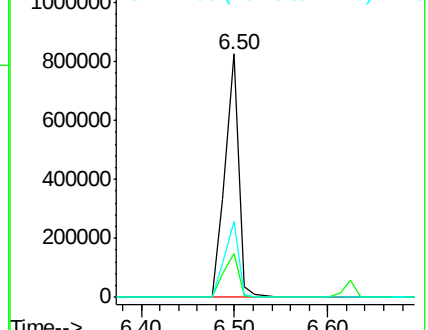
71 31.0 27.5 41.3



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: 4.61 ng

RT: 6.51 min Scan# 387

Delta R.T. 0.00 min

Lab File: BF093026.D

Acq: 17 Feb 2017 22:26

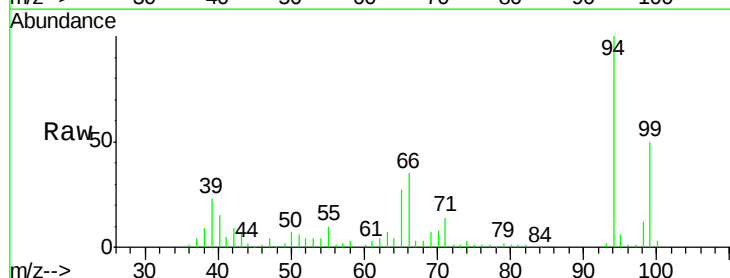
Tgt Ion: 94 Resp: 63012

Ion Ratio Lower Upper

94 100

65 27.3 21.4 61.4

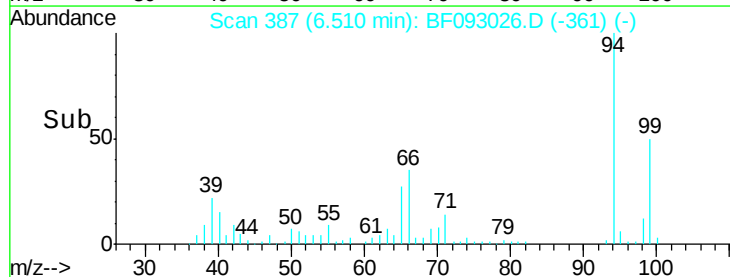
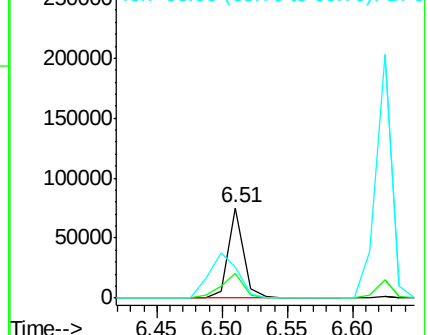
66 34.9 44.0 84.0#



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

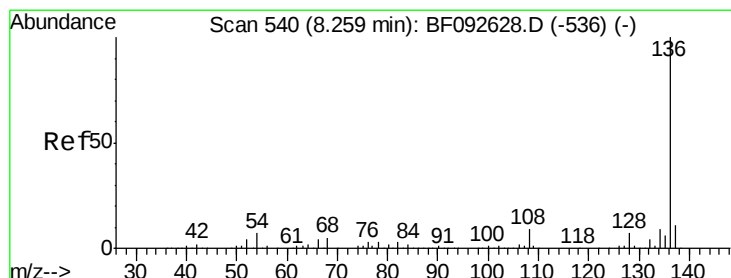
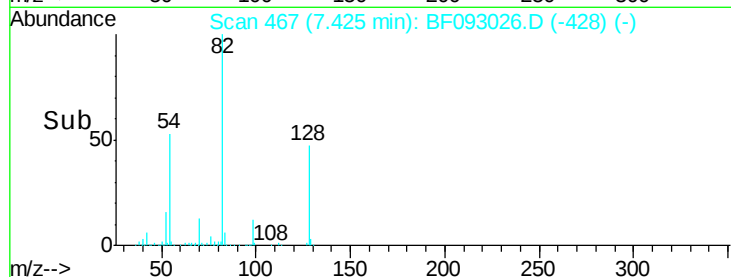
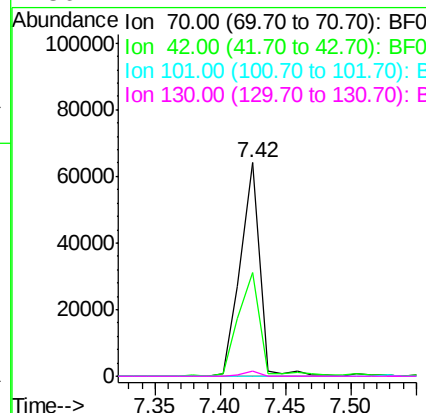
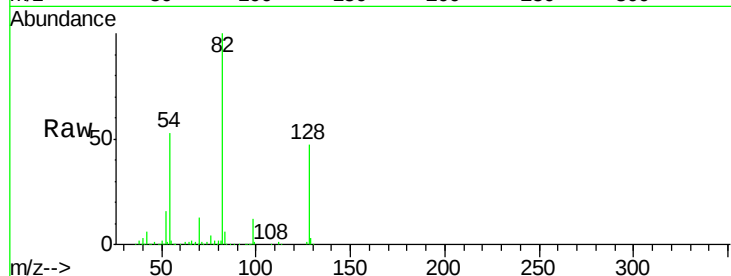




#19
n-Nitroso-di-n-propylamine
Concen: 8.93 ng
RT: 7.42 min Scan# 467
Delta R.T. 0.15 min
Lab File: BF093026.D
Acq: 17 Feb 2017 22:26

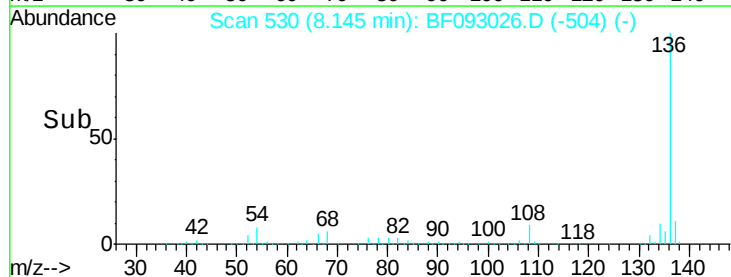
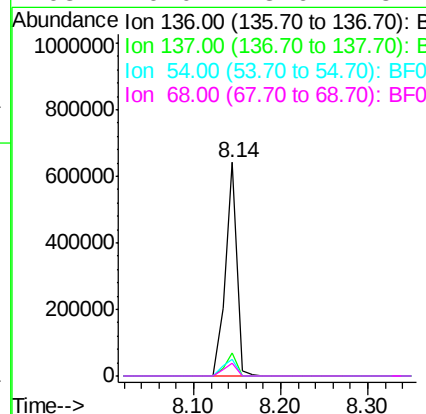
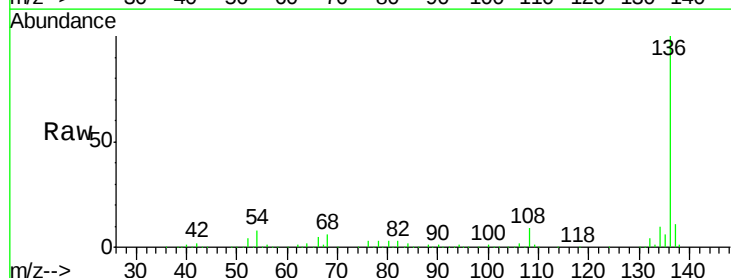
Instrument :
BNA_F
ClientSampleId :
PIT-A-COMP

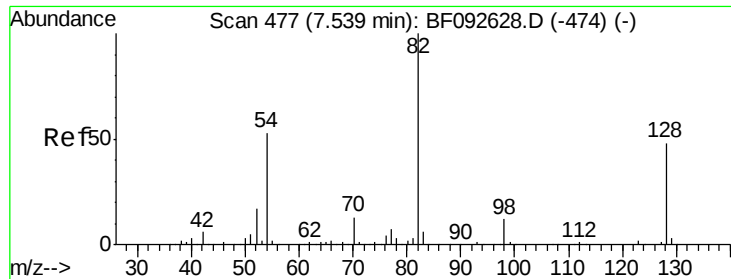
Tgt Ion: 70 Resp: 66320
Ion Ratio Lower Upper
70 100
42 48.3 49.4 74.0#
101 0.0 7.4 11.2#
130 2.4 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.14 min Scan# 530
Delta R.T. 0.00 min
Lab File: BF093026.D
Acq: 17 Feb 2017 22:26

Tgt Ion: 136 Resp: 596942
Ion Ratio Lower Upper
136 100
137 11.1 8.4 12.6
54 8.0 4.5 6.7#
68 6.0 3.6 5.4#

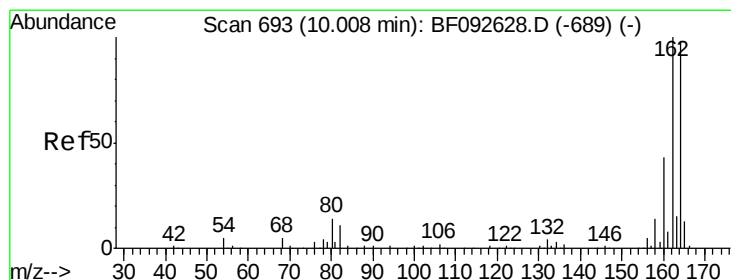
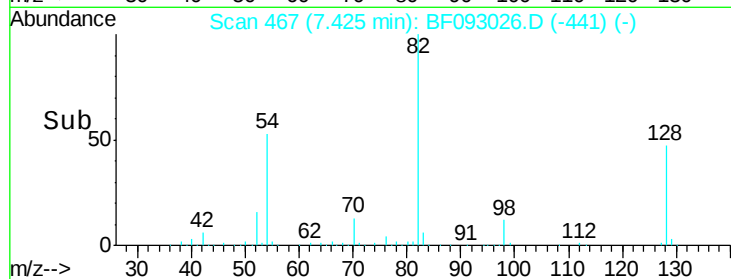
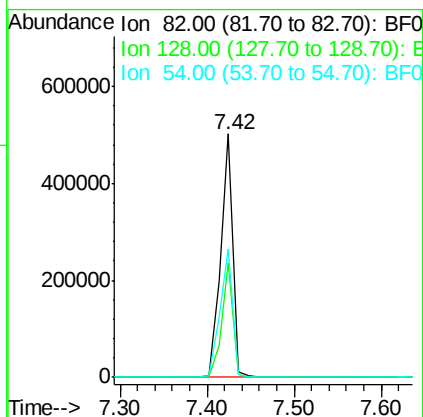
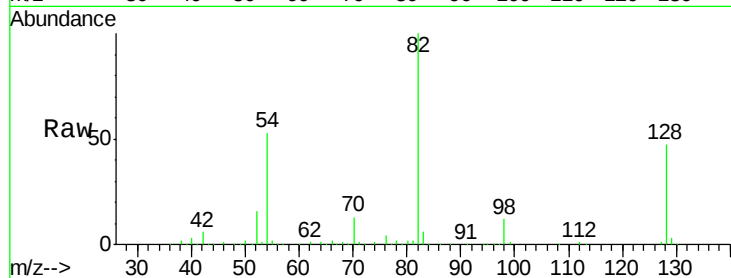




#23
 Nitrobenzene-d5
 Concen: 46.34 ng
 RT: 7.42 min Scan# 467
 Delta R.T. -0.00 min
 Lab File: BF093026.D
 Acq: 17 Feb 2017 22:26

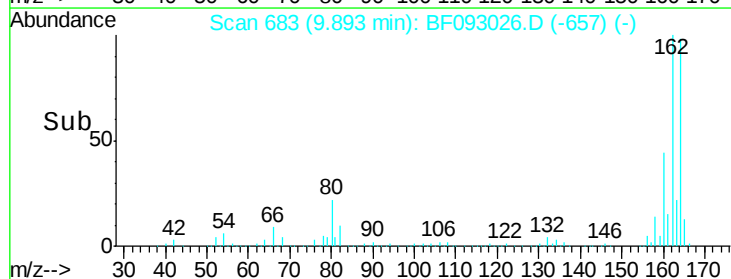
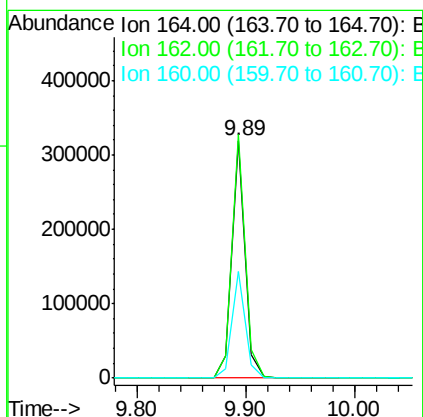
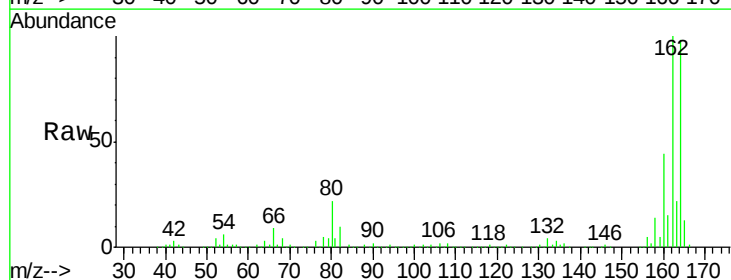
Instrument :
 BNA_F
 ClientSampleId :
 PIT-A-COMP

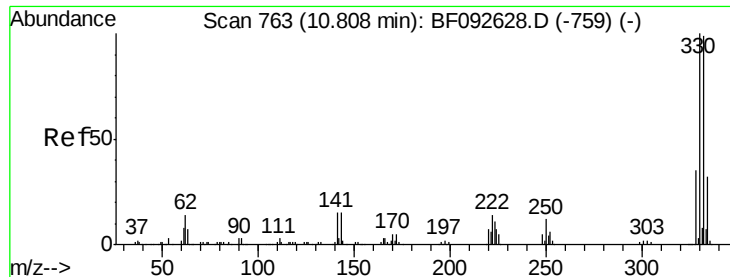
Tgt Ion: 82 Resp: 496710
 Ion Ratio Lower Upper
 82 100
 128 46.8 34.6 52.0
 54 52.9 39.5 59.3



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.89 min Scan# 683
 Delta R.T. -0.00 min
 Lab File: BF093026.D
 Acq: 17 Feb 2017 22:26

Tgt Ion: 164 Resp: 263031
 Ion Ratio Lower Upper
 164 100
 162 102.4 80.2 120.2
 160 44.7 36.9 55.3

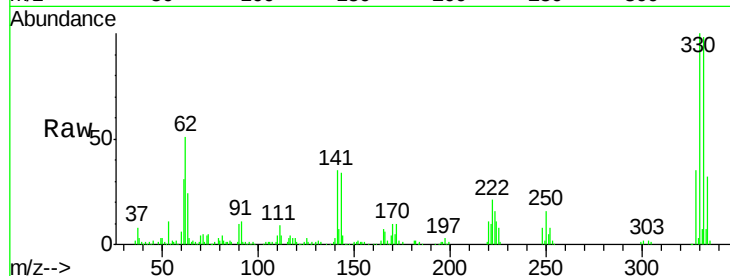




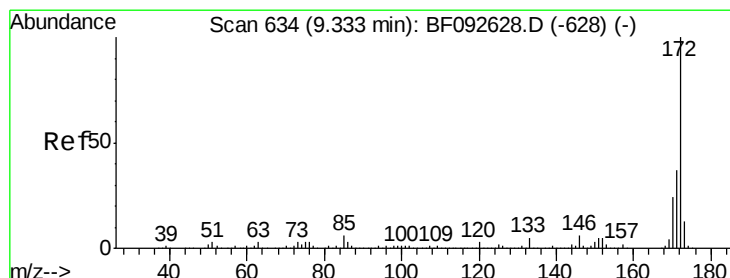
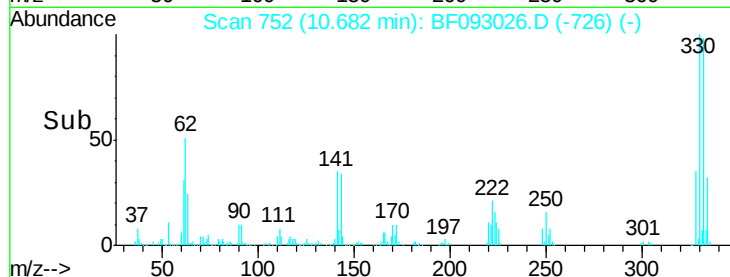
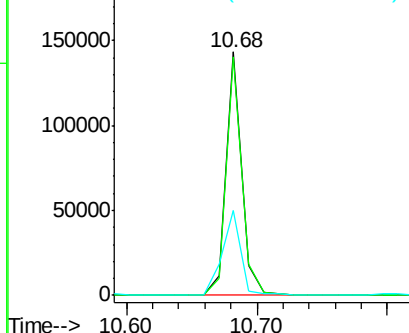
#41
 2,4,6-Tribromophenol
 Concen: 63.43 ng
 RT: 10.68 min Scan# 752
 Delta R.T. -0.00 min
 Lab File: BF093026.D
 Acq: 17 Feb 2017 22:26

Instrument :
 BNA_F
 ClientSampleId :
 PIT-A-COMP

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.0	77.4	116.2
141	42.6	34.1	51.1

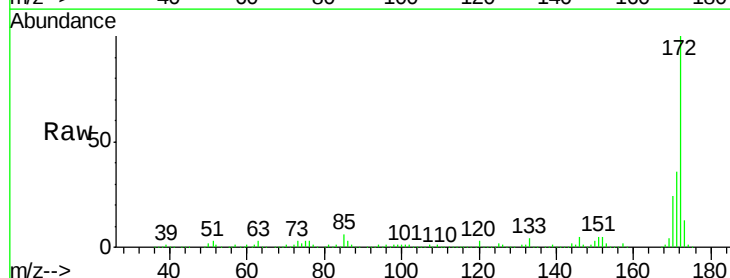


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

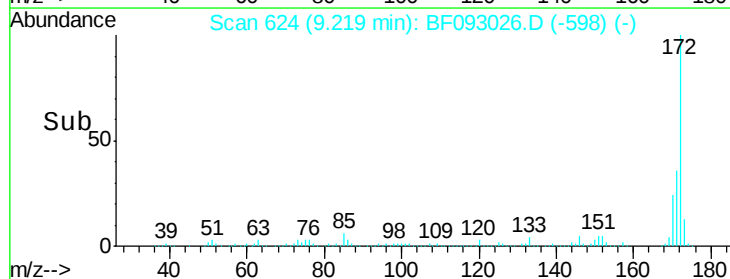
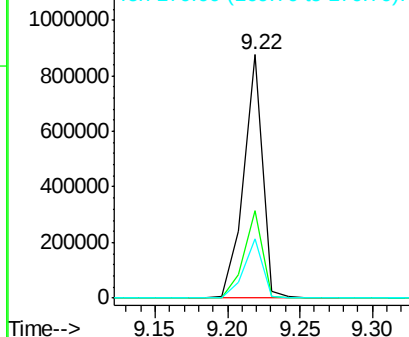


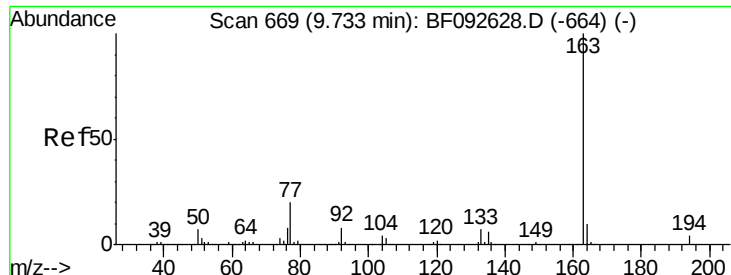
#44
 2-Fluorobiphenyl
 Concen: 54.51 ng
 RT: 9.22 min Scan# 624
 Delta R.T. -0.00 min
 Lab File: BF093026.D
 Acq: 17 Feb 2017 22:26

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.4	44.0
170	24.4	20.2	30.4



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

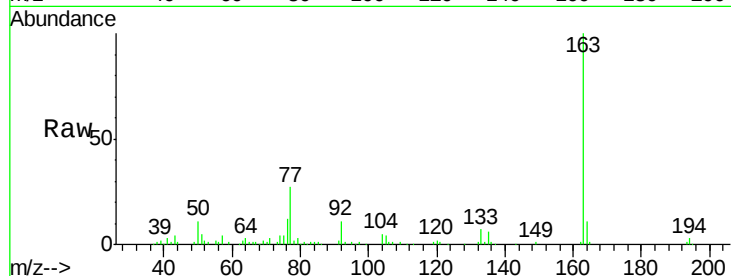




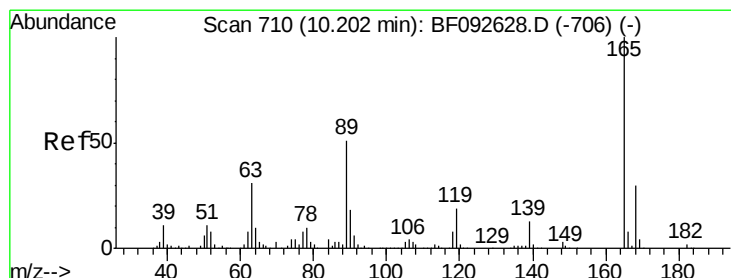
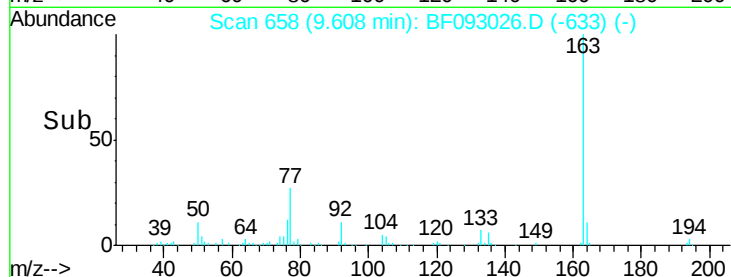
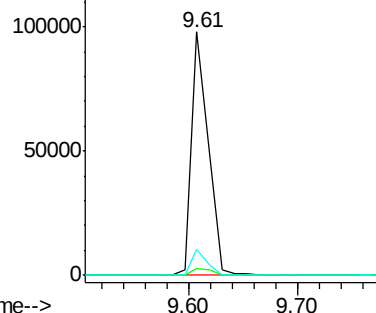
#49
Dimethylphthalate
Concen: 5.95 ng
RT: 9.61 min Scan# 658
Delta R.T. -0.01 min
Lab File: BF093026.D
Acq: 17 Feb 2017 22:26

Instrument :
BNA_F
ClientSampleId :
PIT-A-COMP

Tgt Ion:163 Resp: 105379
Ion Ratio Lower Upper
163 100
194 3.0 3.0 4.4
164 10.7 8.0 12.0

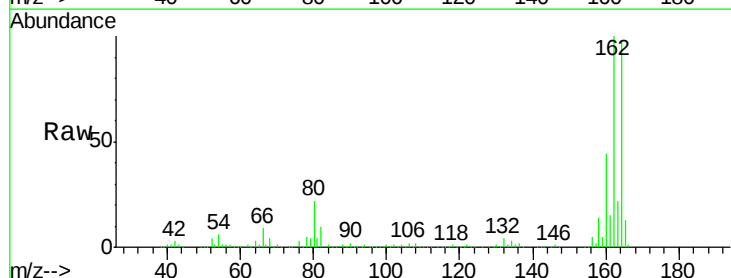


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

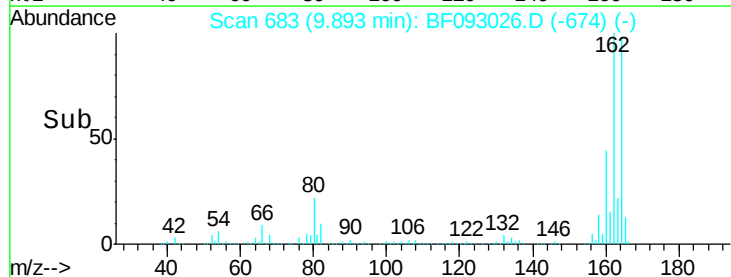
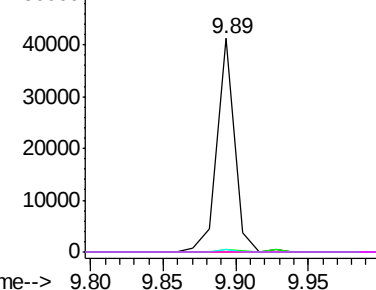


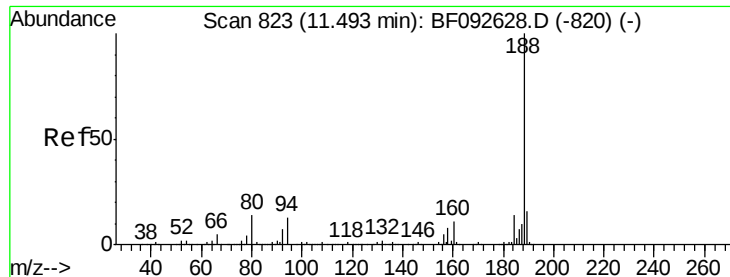
#56
2,4-Dinitrotoluene
Concen: 6.82 ng
RT: 9.89 min Scan# 683
Delta R.T. -0.19 min
Lab File: BF093026.D
Acq: 17 Feb 2017 22:26

Tgt Ion:165 Resp: 34718
Ion Ratio Lower Upper
165 100
63 1.2 40.2 60.4#
89 1.4 62.5 93.7#
182 0.0 1.8 2.8#



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

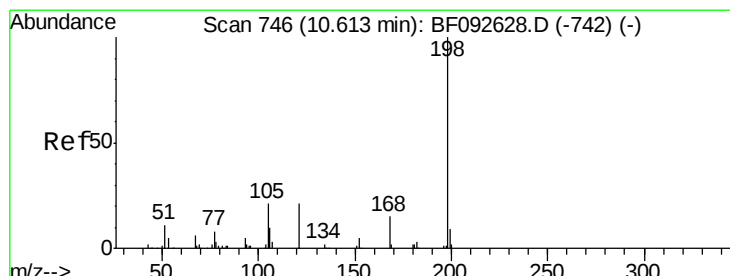
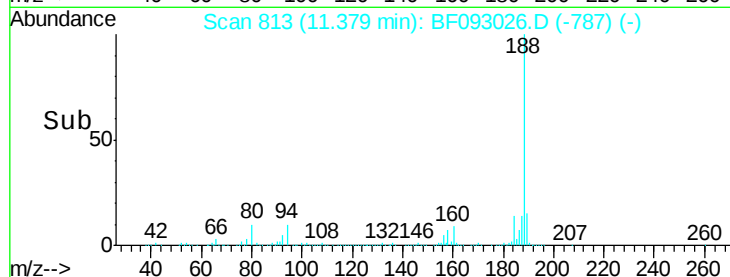
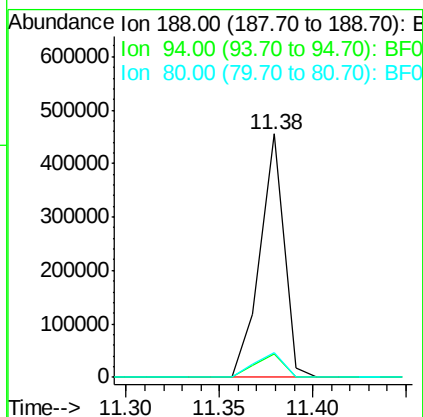
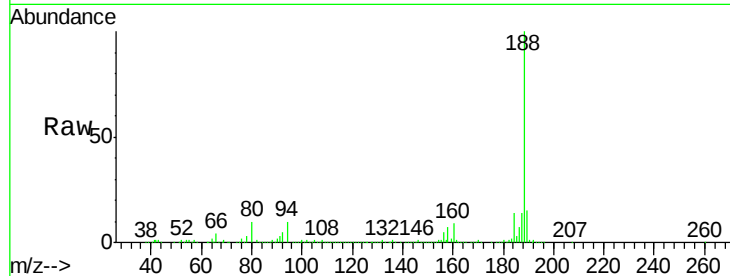




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.38 min Scan# 813
 Delta R.T. -0.00 min
 Lab File: BF093026.D
 Acq: 17 Feb 2017 22:26

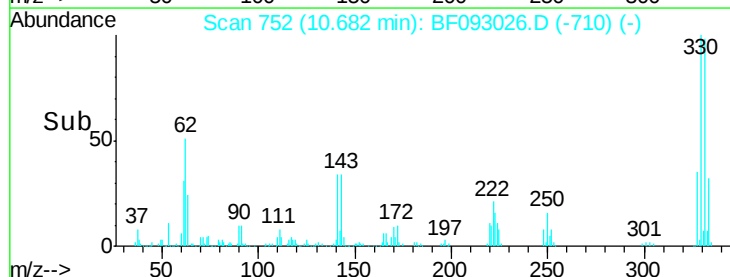
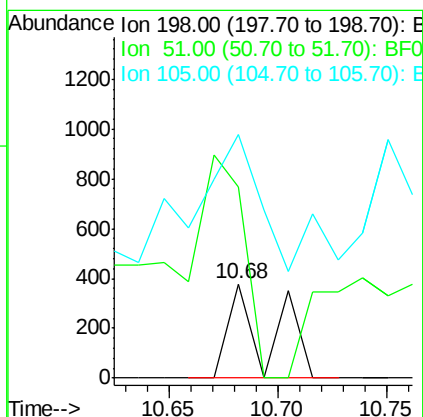
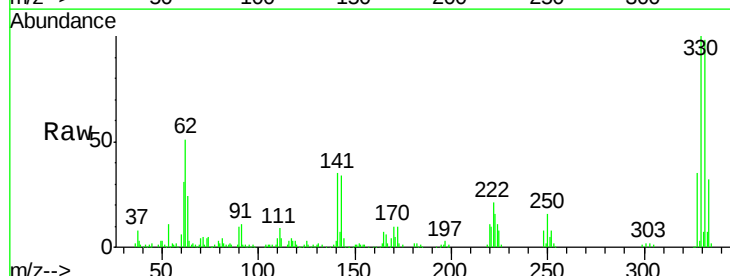
Instrument :
 BNA_F
 ClientSampleId :
 PIT-A-COMP

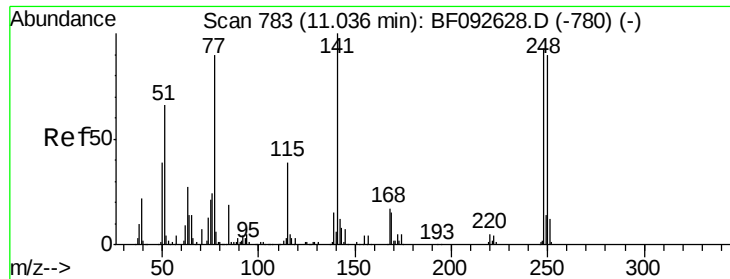
Tgt Ion:188 Resp: 408789
 Ion Ratio Lower Upper
 188 100
 94 9.6 10.0 15.0#
 80 10.3 11.2 16.8#



#64
 4,6-Dinitro-2-methylphenol
 Concen: 2.86 ng
 RT: 10.68 min Scan# 752
 Delta R.T. 0.18 min
 Lab File: BF093026.D
 Acq: 17 Feb 2017 22:26

Tgt Ion:198 Resp: 501
 Ion Ratio Lower Upper
 198 100
 51 202.9 6.7 46.7#
 105 257.8 16.6 56.6#

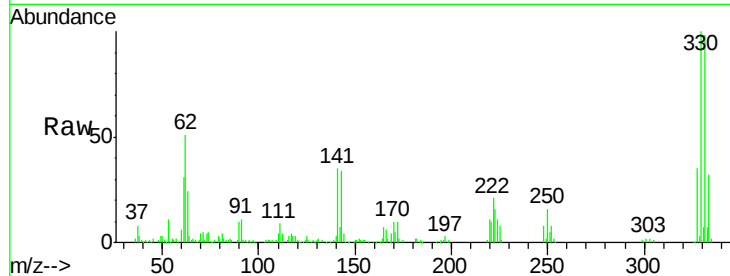




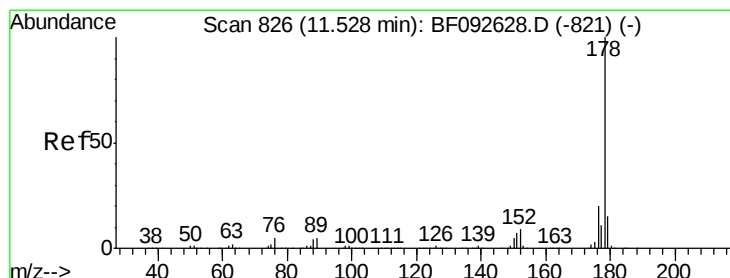
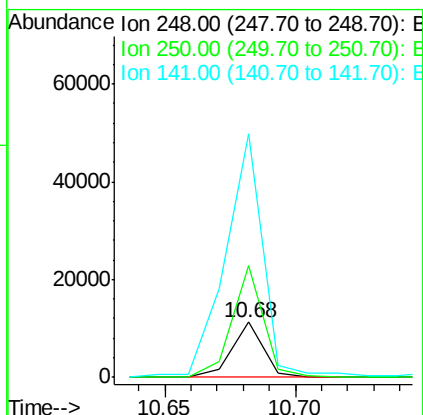
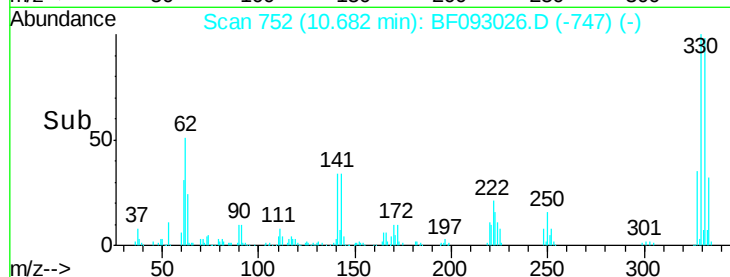
#66
 4-Bromophenyl-phenylether
 Concen: 2.18 ng
 RT: 10.68 min Scan# 752
 Delta R.T. -0.24 min
 Lab File: BF093026.D
 Acq: 17 Feb 2017 22:26

Instrument :
 BNA_F
 ClientSampleId :
 PIT-A-COMP

Tgt Ion:248 Resp: 9308
 Ion Ratio Lower Upper
 248 100
 250 204.7 76.9 115.3#
 141 444.1 68.2 102.4#

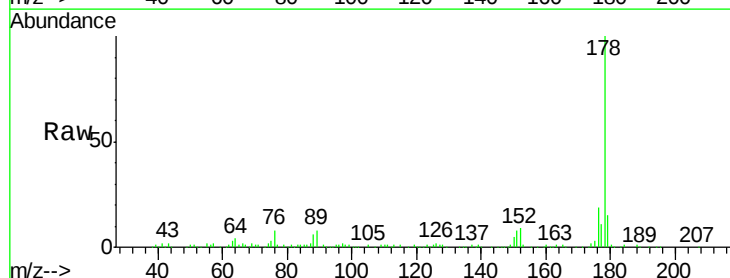


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

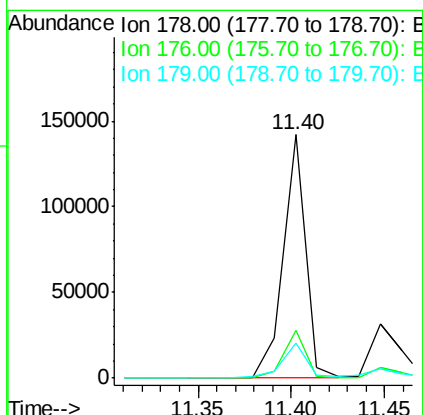
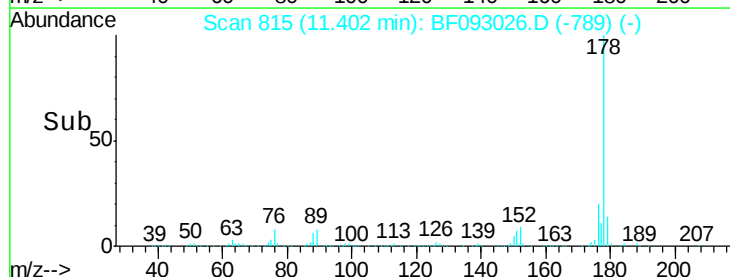


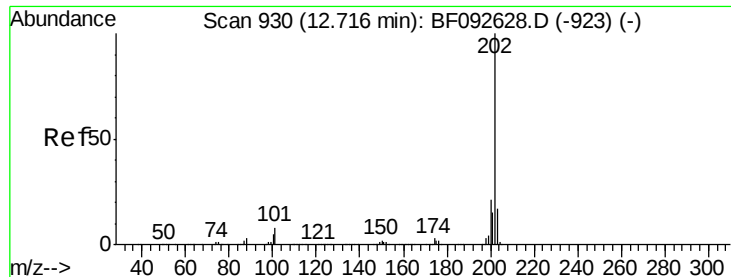
#70
 Phenanthrene
 Concen: 5.09 ng
 RT: 11.40 min Scan# 815
 Delta R.T. 0.00 min
 Lab File: BF093026.D
 Acq: 17 Feb 2017 22:26

Tgt Ion:178 Resp: 119100
 Ion Ratio Lower Upper
 178 100
 176 19.5 16.6 25.0
 179 14.5 12.8 19.2



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: 10.10 ng

RT: 12.59 min Scan# 919

Delta R.T. 0.00 min

Lab File: BF093026.D

Acq: 17 Feb 2017 22:26

Instrument :

BNA_F

ClientSampleId :

PIT-A-COMP

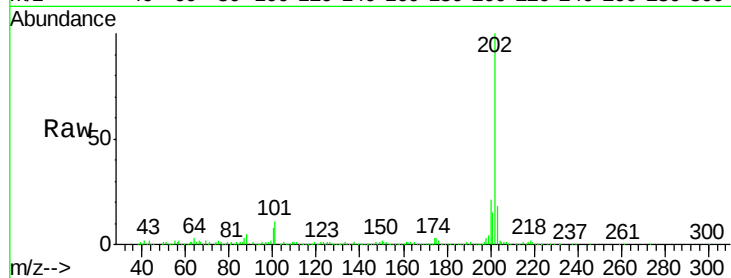
Tgt Ion:202 Resp: 243940

Ion Ratio Lower Upper

202 100

101 10.7 0.0 34.6

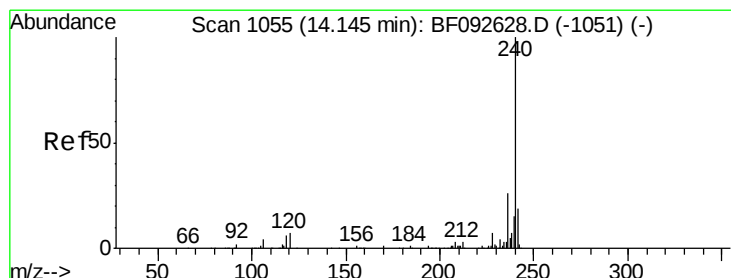
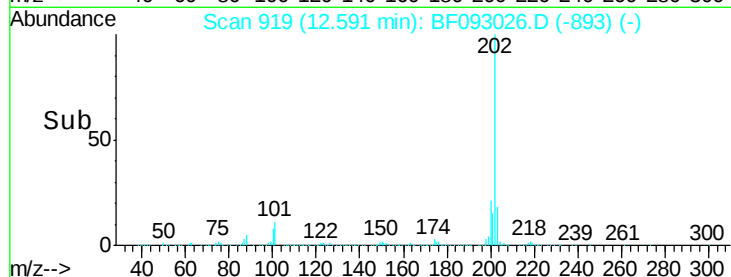
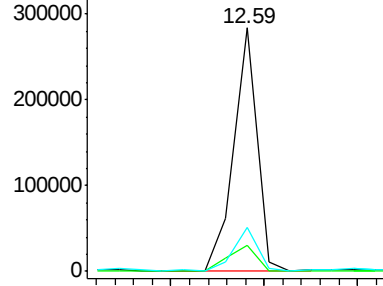
203 18.2 0.0 38.7



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: 14.01 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF093026.D

Acq: 17 Feb 2017 22:26

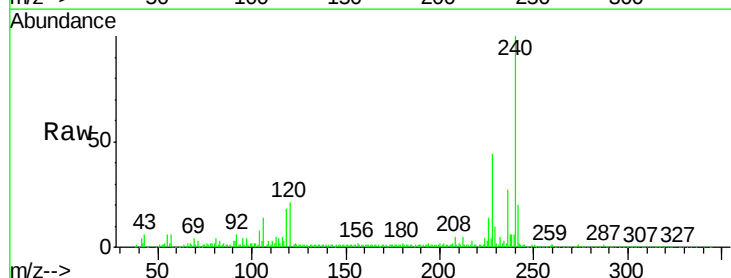
Tgt Ion:240 Resp: 302379

Ion Ratio Lower Upper

240 100

120 20.6 12.9 19.3#

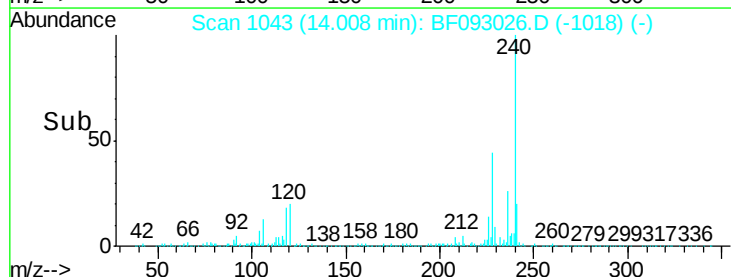
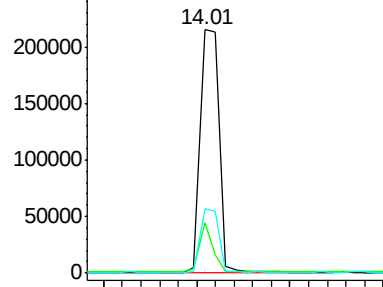
236 26.6 20.9 31.3

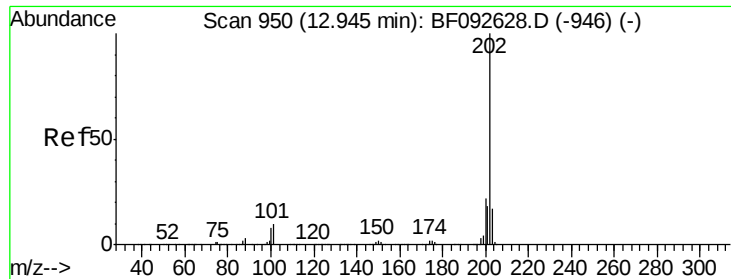


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 10.49 ng

RT: 12.82 min Scan# 939

Delta R.T. 0.00 min

Lab File: BF093026.D

Acq: 17 Feb 2017 22:26

Instrument :

BNA_F

ClientSampleId :

PIT-A-COMP

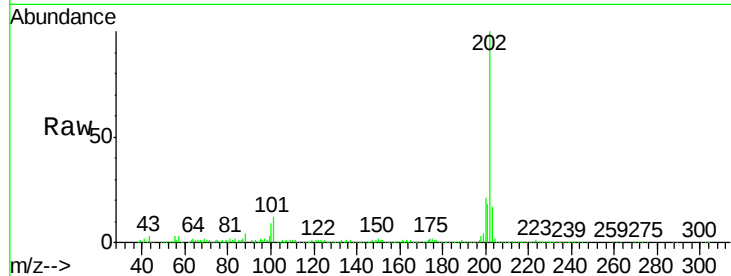
Tgt Ion:202 Resp: 237290

Ion Ratio Lower Upper

202 100

200 20.9 17.7 26.5

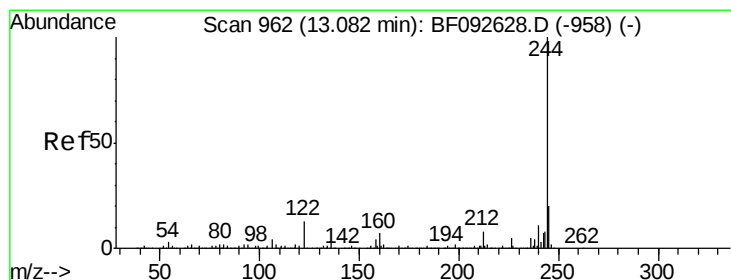
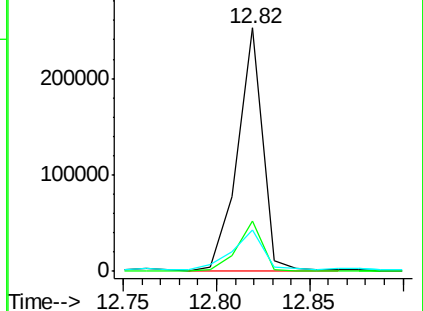
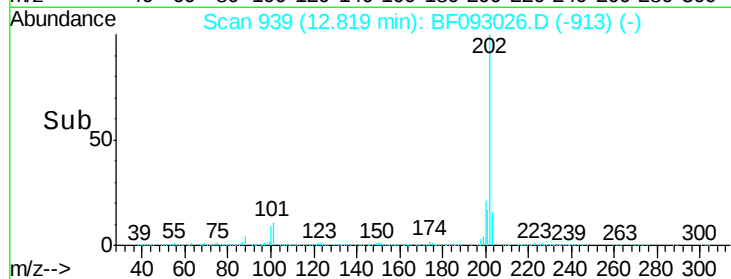
203 17.1 14.7 22.1



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: 35.06 ng

RT: 12.96 min Scan# 951

Delta R.T. -0.01 min

Lab File: BF093026.D

Acq: 17 Feb 2017 22:26

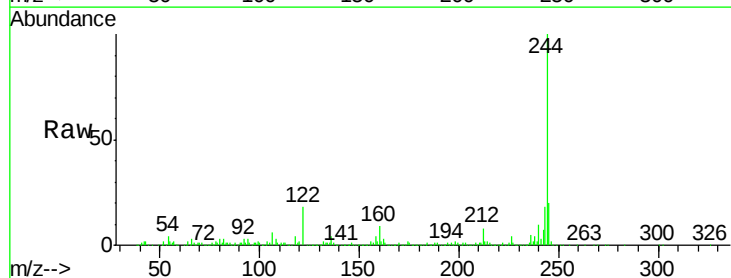
Tgt Ion:244 Resp: 451197

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

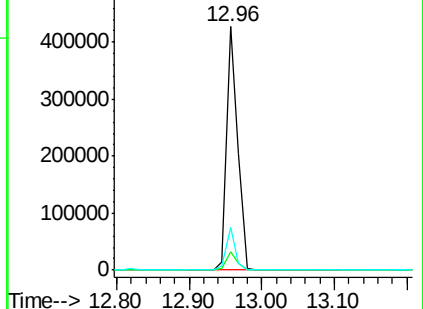
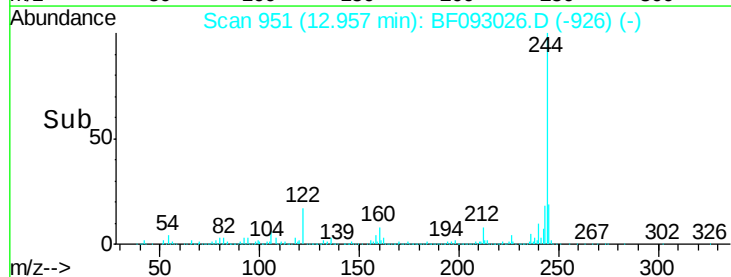
122 17.6 11.4 17.2#

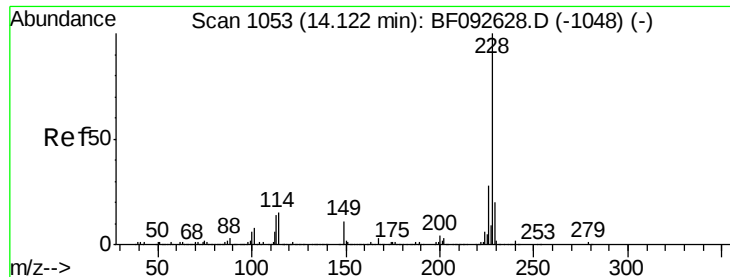


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 7.12 ng

RT: 14.01 min Scan# 1043

Delta R.T. 0.00 min

Lab File: BF093026.D

Acq: 17 Feb 2017 22:26

Instrument :

BNA_F

ClientSampleId :

PIT-A-COMP

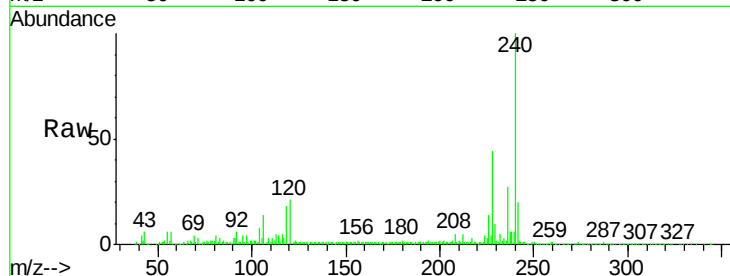
Tgt Ion:228 Resp: 131740

Ion Ratio Lower Upper

228 100

226 32.1 22.4 33.6

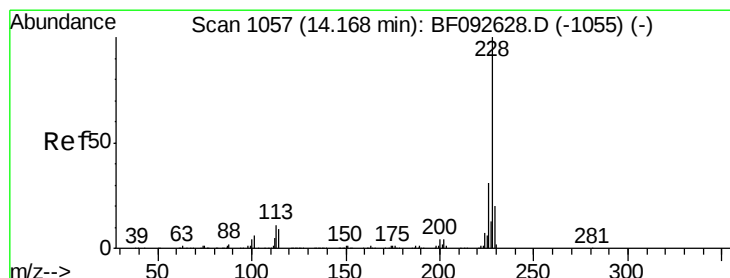
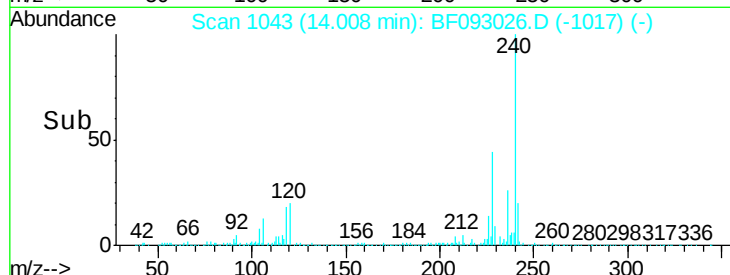
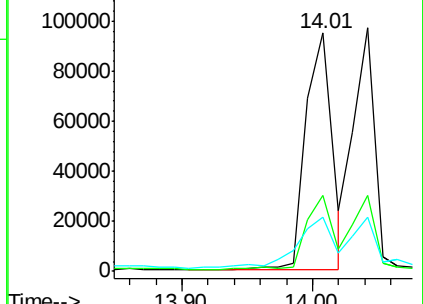
229 22.5 16.2 24.4



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: 7.61 ng

RT: 14.01 min Scan# 1043

Delta R.T. -0.03 min

Lab File: BF093026.D

Acq: 17 Feb 2017 22:26

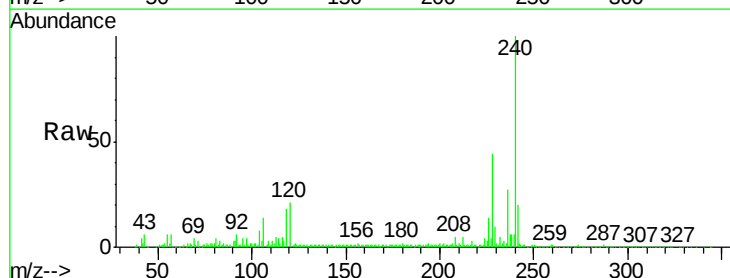
Tgt Ion:228 Resp: 131740

Ion Ratio Lower Upper

228 100

226 32.1 25.4 38.0

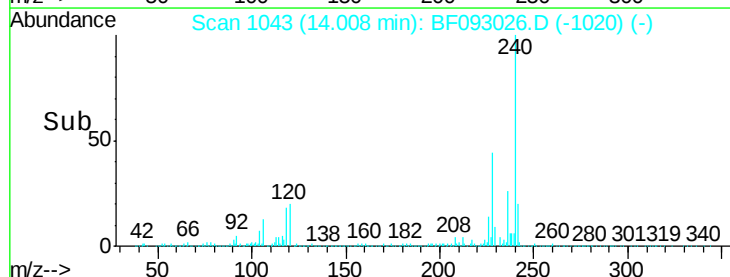
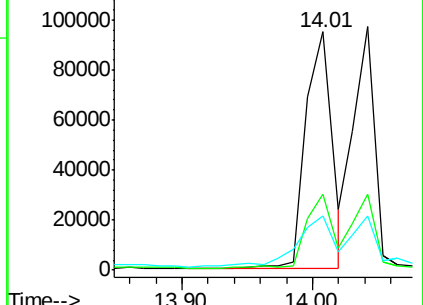
229 22.5 16.2 24.2

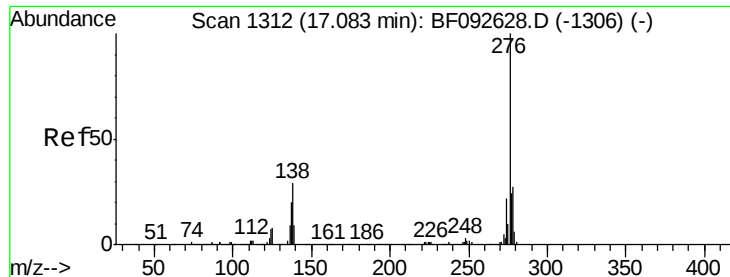


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

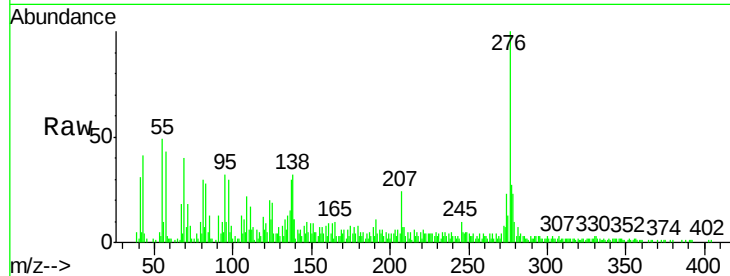




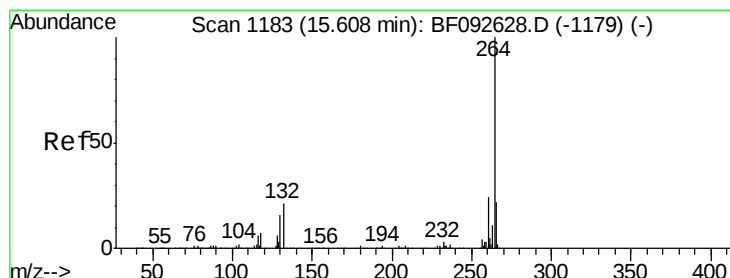
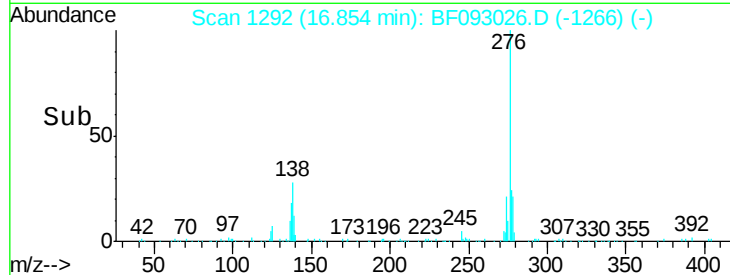
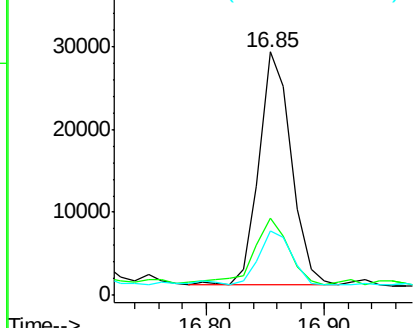
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.99 ng
 RT: 16.85 min Scan# 1292
 Delta R.T. 0.00 min
 Lab File: BF093026.D
 Acq: 17 Feb 2017 22:26

Instrument :
 BNA_F
 ClientSampleId :
 PIT-A-COMP

Tgt Ion: 276 Resp: 53472
 Ion Ratio Lower Upper
 276 100
 138 31.3 21.8 32.6
 277 24.4 20.2 30.4

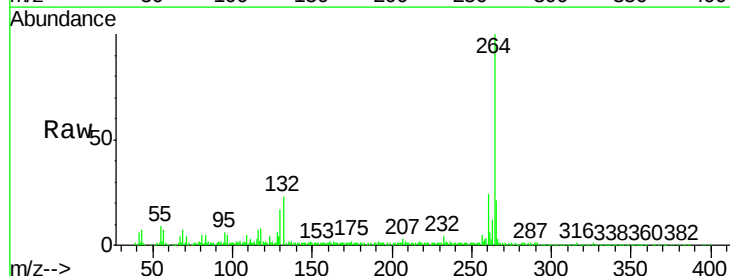


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

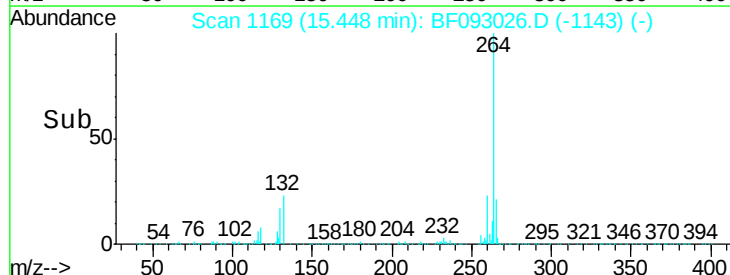
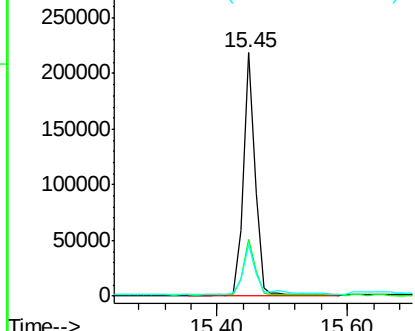


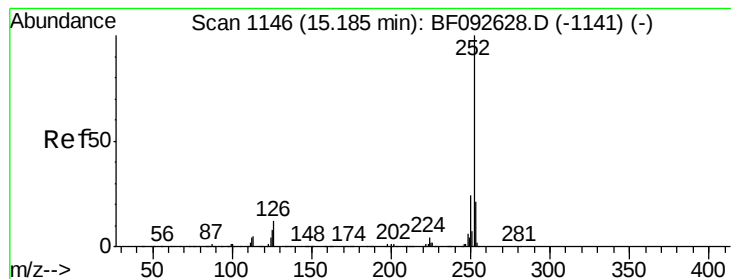
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.45 min Scan# 1169
 Delta R.T. 0.00 min
 Lab File: BF093026.D
 Acq: 17 Feb 2017 22:26

Tgt Ion: 264 Resp: 262669
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.2 28.8
 265 21.4 17.4 26.0



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: 11.25 ng

RT: 15.04 min Scan# 1133

Delta R.T. -0.00 min

Lab File: BF093026.D

Acq: 17 Feb 2017 22:26

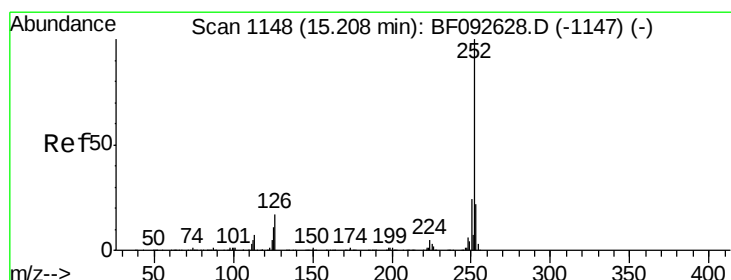
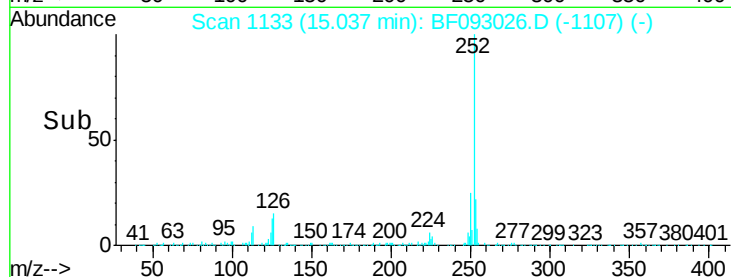
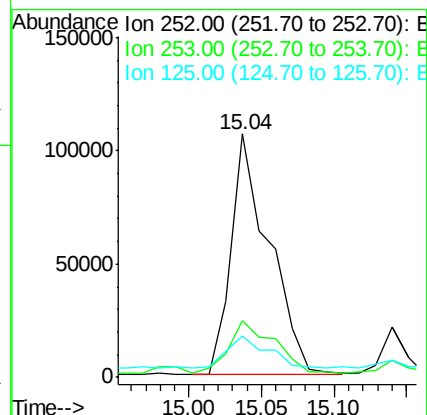
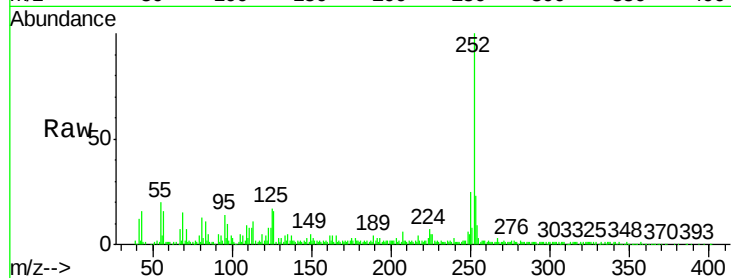
Instrument :

BNA_F

ClientSampleId :

PIT-A-COMP

Tgt Ion:	252	Resp:	194441
Ion Ratio	Lower	Upper	
252	100		
253	23.5	18.2	27.4
125	17.2	9.8	14.6#



#88

Benzo(k)fluoranthene

Concen: 13.03 ng

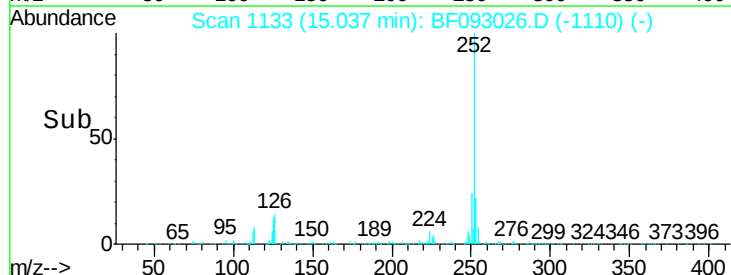
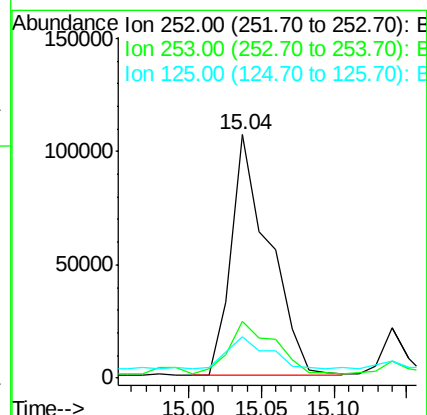
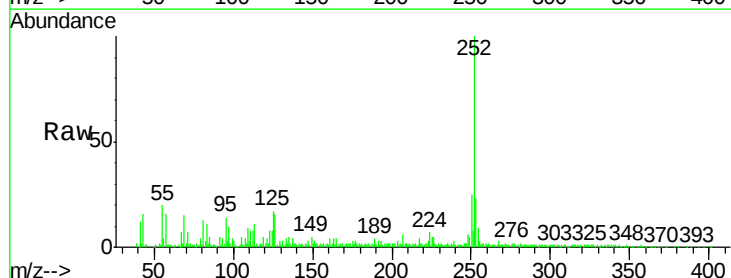
RT: 15.04 min Scan# 1133

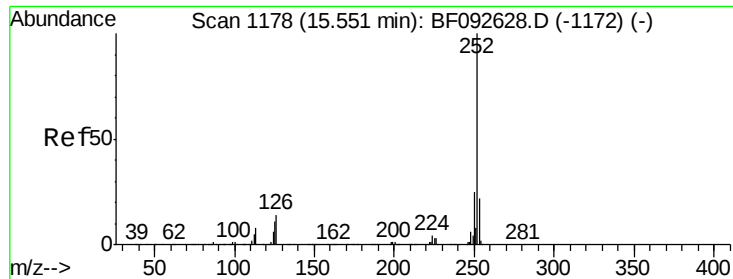
Delta R.T. -0.03 min

Lab File: BF093026.D

Acq: 17 Feb 2017 22:26

Tgt Ion:	252	Resp:	194441
Ion Ratio	Lower	Upper	
252	100		
253	23.5	18.5	27.7
125	17.2	8.9	13.3#

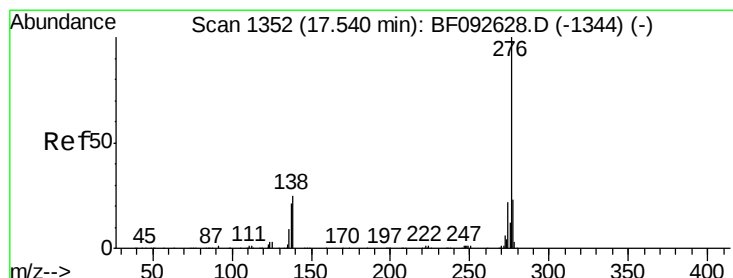
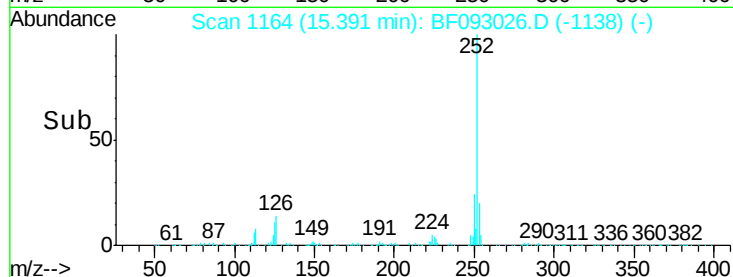
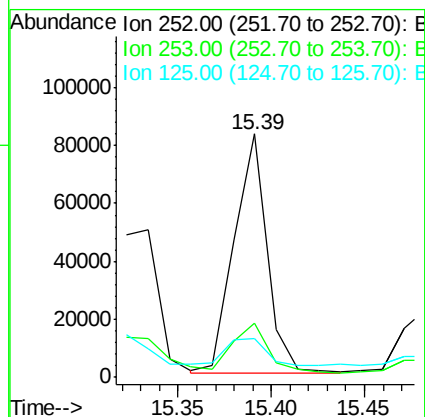
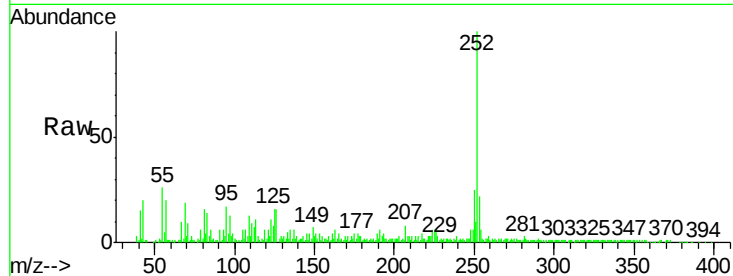




#89
Benzo(a)pyrene
Concen: 6.85 ng
RT: 15.39 min Scan# 1164
Delta R.T. 0.00 min
Lab File: BF093026.D
Acq: 17 Feb 2017 22:26

Instrument :
BNA_F
ClientSampleId :
PIT-A-COMP

Tgt Ion: 252 Resp: 102424
Ion Ratio Lower Upper
252 100
253 22.4 18.2 27.2
125 15.9 10.0 15.0#



#91
Benzo(g,h,i)perylene
Concen: 4.74 ng
RT: 17.29 min Scan# 1330
Delta R.T. -0.00 min
Lab File: BF093026.D
Acq: 17 Feb 2017 22:26

Tgt Ion: 276 Resp: 57908
Ion Ratio Lower Upper
276 100
277 28.2 19.2 28.8
138 27.1 16.0 24.0#

