

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012017\
 Data File : BF092383.D
 Acq On : 20 Jan 2017 20:10
 Operator : UM/SJ
 Sample : I1265-01 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-1

Quant Time: Jan 20 22:17:37 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 06 15:43:51 2017
 Response via : Initial Calibration

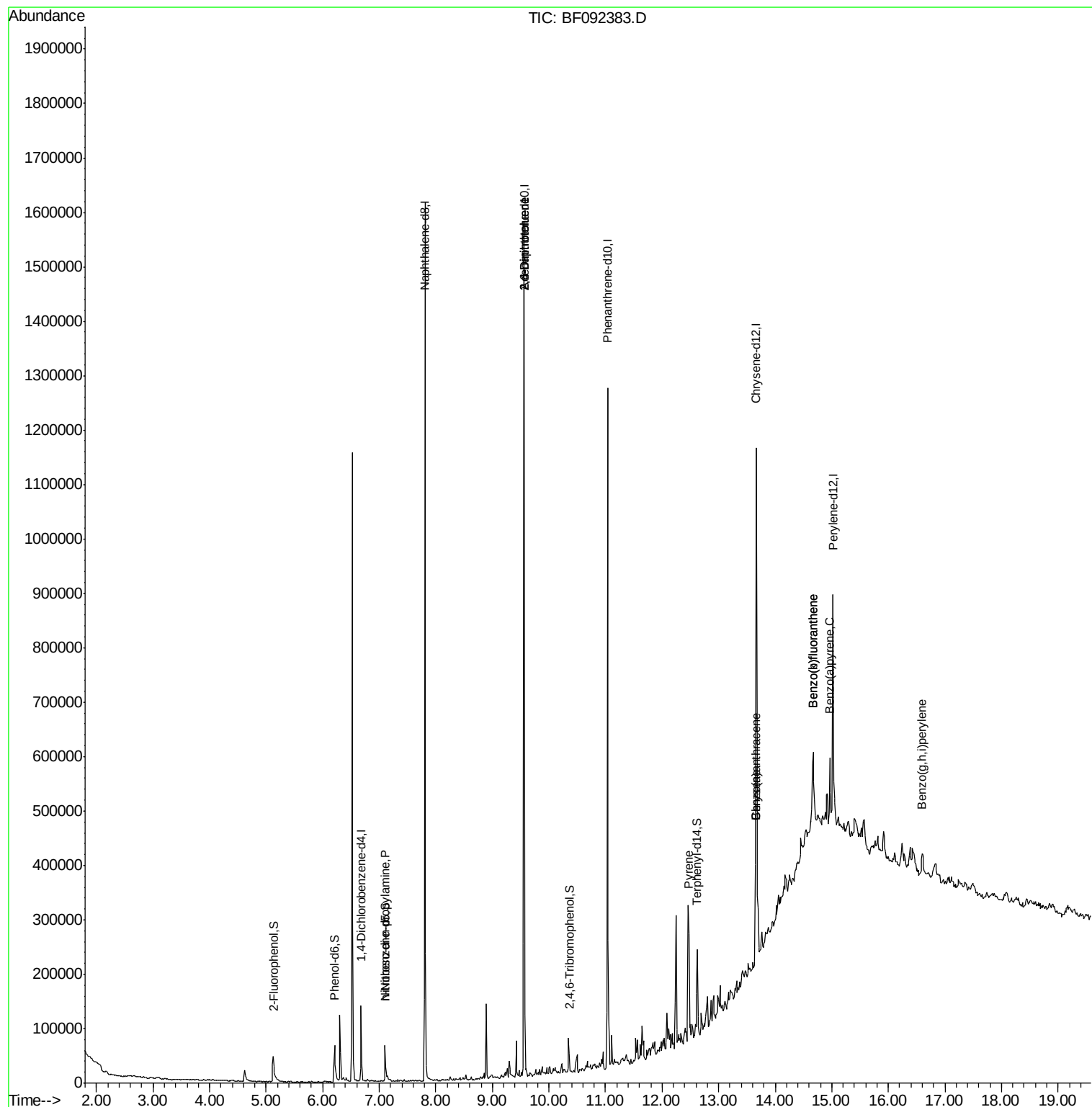
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	25143	20.00	ng	0.04
21) Naphthalene-d8	7.81	136	711054	20.00	ng	-0.12
38) Acenaphthene-d10	9.56	164	323547	20.00	ng	-0.12
63) Phenanthrene-d10	11.03	188	444310	20.00	ng	-0.12
75) Chrysene-d12	13.66	240	329597	20.00	ng	-0.12
86) Perylene-d12	15.02	264	240124	20.00	ng	-0.12
System Monitoring Compounds						
5) 2-Fluorophenol	5.12	112	34831	23.13	ng	-0.11
7) Phenol-d6	6.21	99	47088	25.61	ng	-0.10
23) Nitrobenzene-d5	7.10	82	31920	2.50	ng	-0.11
41) 2,4,6-Tribromophenol	10.36	330	8427	3.15	ng	-0.11
44) 2-Fluorobiphenyl	8.90	172	62841	-10.52	ng	-0.11
78) Terphenyl-d14	12.62	244	52380	3.85	ng	-0.12
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.10	70	4402	3.60	ng	# 76
37) 2-Methylnaphthalene	8.53	142	2835	Below	Cal	94
50) 2,6-Dinitrotoluene	9.56	165	42850	9.46	ng	# 30
56) 2,4-Dinitrotoluene	9.56	165	42850	7.54	ng	# 19
73) Di-n-butylphthalate	11.62	149	1743	Below	Cal	# 41
76) Benzidine	12.39	184	209	Below	Cal	# 1
77) Pyrene	12.47	202	128666	5.32	ng	97
80) Benzo(a)anthracene	13.65	228	75374	4.05	ng	97
82) Chrysene	13.65	228	75374	4.04	ng	94
87) Benzo(b)fluoranthene	14.67	252	93146	6.23	ng	# 90
88) Benzo(k)fluoranthene	14.67	252	92791	7.28	ng	# 89
89) Benzo(a)pyrene	14.97	252	51411	3.87	ng	# 90
91) Benzo(g,h,i)perylene	16.60	276	31718	2.80	ng	# 85

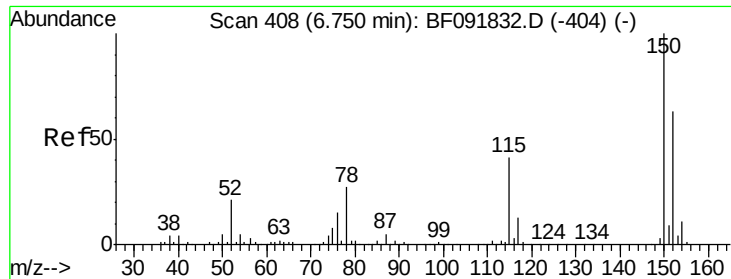
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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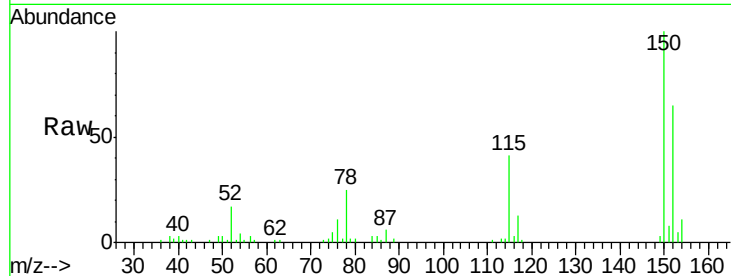




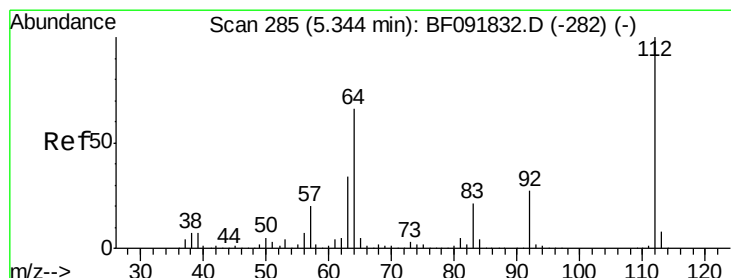
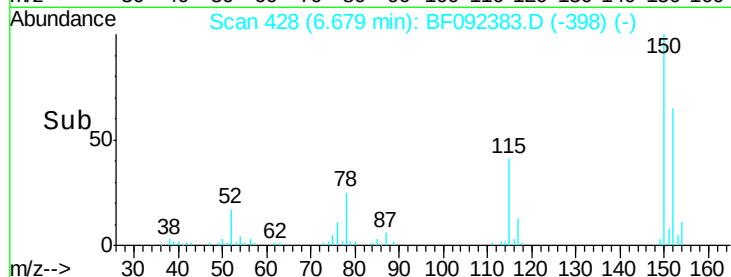
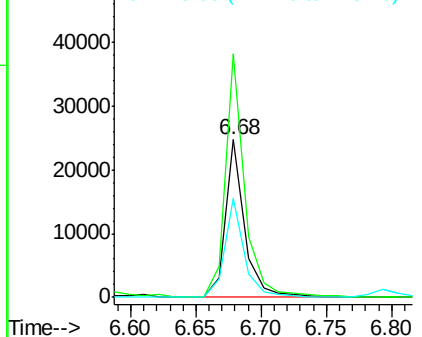
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.68 min Scan# 428
 Delta R.T. 0.04 min
 Lab File: BF092383.D
 Acq: 20 Jan 2017 20:10

Instrument :
 BNA_F
 ClientSampleId :
 B-1

Tgt Ion:152 Resp: 25143
 Ion Ratio Lower Upper
 152 100
 150 154.4 124.9 187.3
 115 62.7 46.0 69.0

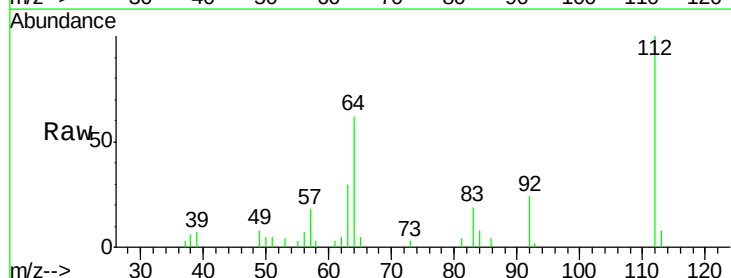


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

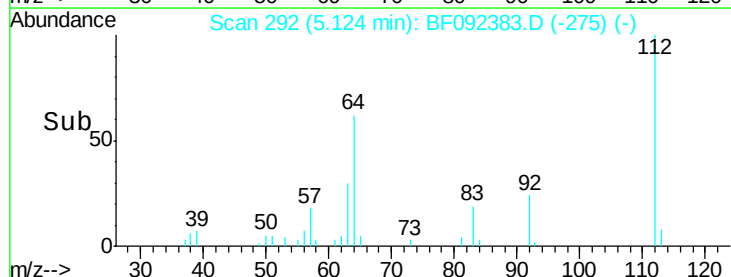
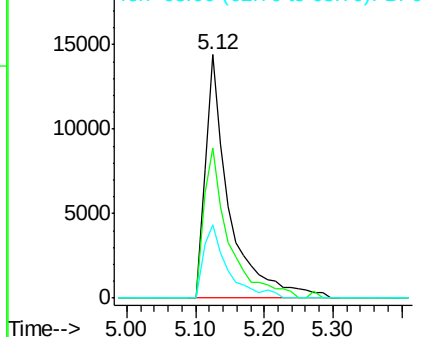


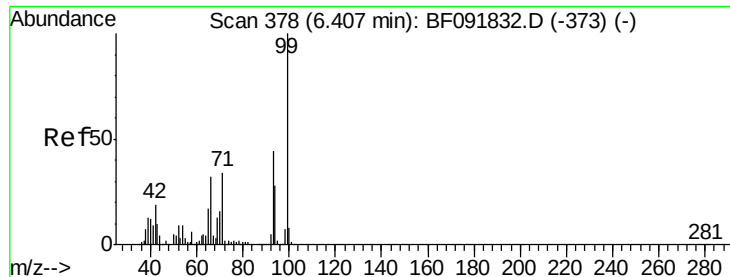
#5
 2-Fluorophenol
 Concen: 23.13 ng
 RT: 5.12 min Scan# 292
 Delta R.T. -0.11 min
 Lab File: BF092383.D
 Acq: 20 Jan 2017 20:10

Tgt Ion:112 Resp: 34831
 Ion Ratio Lower Upper
 112 100
 64 61.8 46.1 69.1
 63 30.2 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: 25.61 ng

RT: 6.21 min Scan# 387

Delta R.T. -0.10 min

Lab File: BF092383.D

Acq: 20 Jan 2017 20:10

Instrument :

BNA_F

ClientSampleId :

B-1

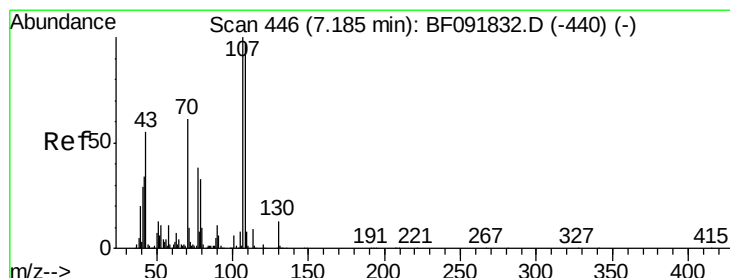
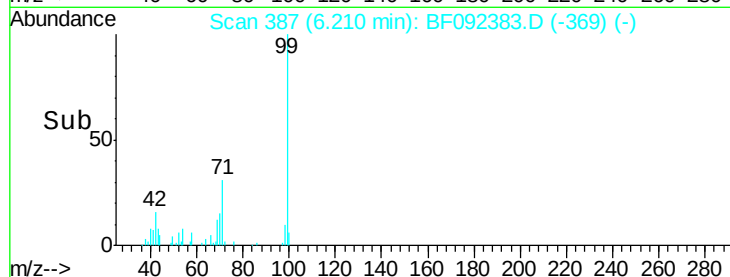
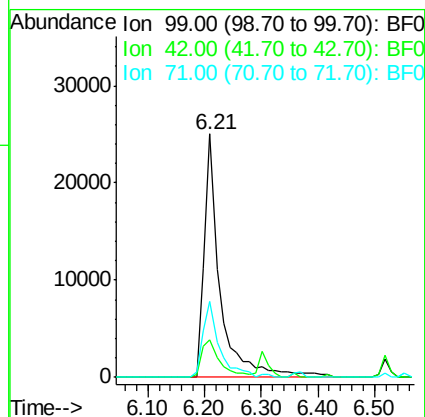
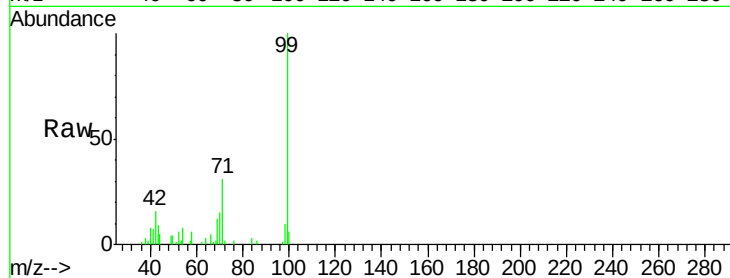
Tgt Ion: 99 Resp: 47088

Ion Ratio Lower Upper

99 100

42 15.6 15.6 23.4#

71 31.0 27.5 41.3



#19

n-Nitroso-di-n-propylamine

Concen: 3.60 ng

RT: 7.10 min Scan# 465

Delta R.T. 0.03 min

Lab File: BF092383.D

Acq: 20 Jan 2017 20:10

Tgt Ion: 70 Resp: 4402

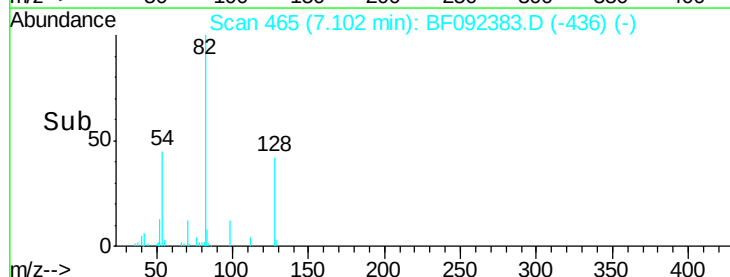
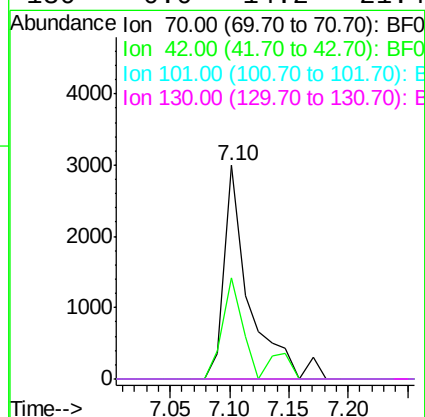
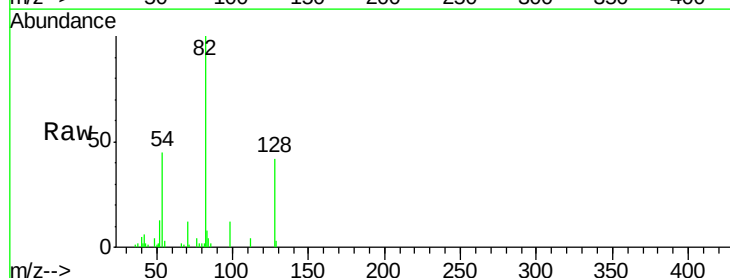
Ion Ratio Lower Upper

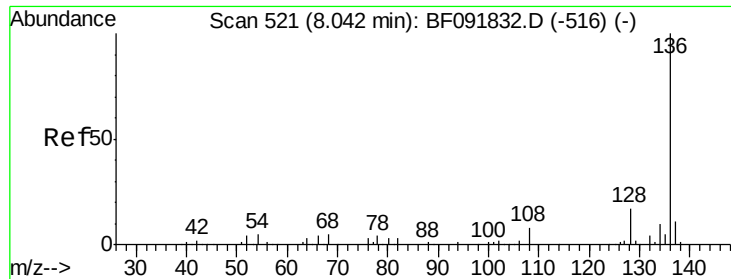
70 100

42 47.3 49.4 74.0#

101 0.0 7.4 11.2#

130 0.0 14.2 21.4#

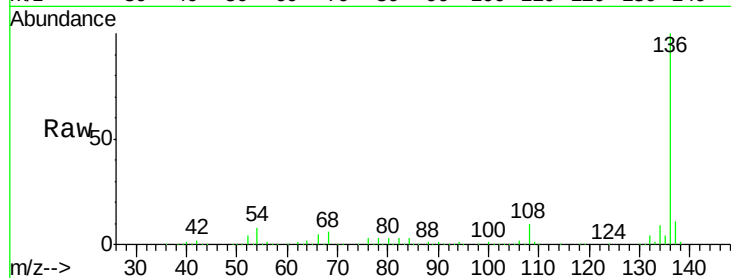




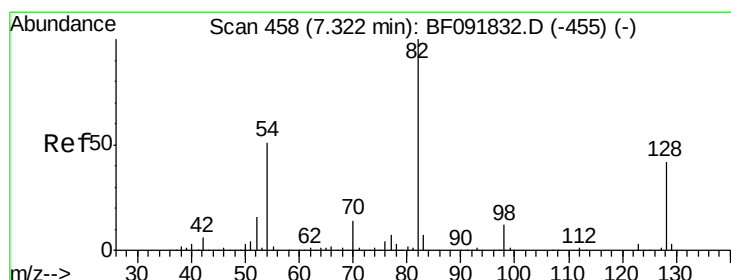
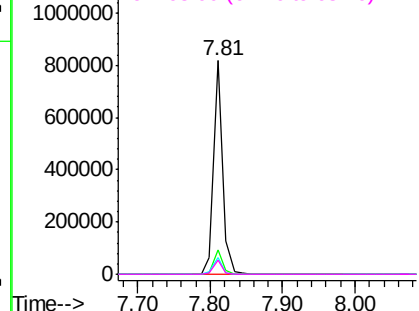
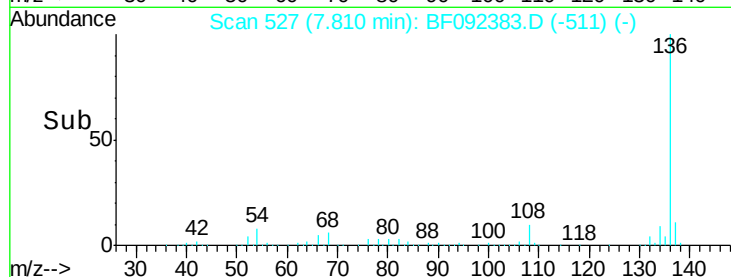
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.81 min Scan# 527
Delta R.T. -0.12 min
Lab File: BF092383.D
Acq: 20 Jan 2017 20:10

Instrument :
BNA_F
ClientSampleId :
B-1

Tgt Ion:	136	Resp:	711054
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.4	12.6
54	7.7	4.5	6.7#
68	6.4	3.6	5.4#

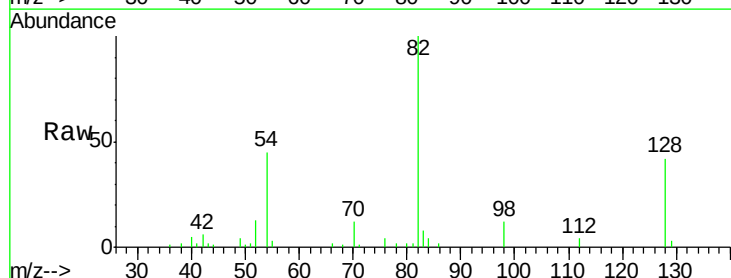


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

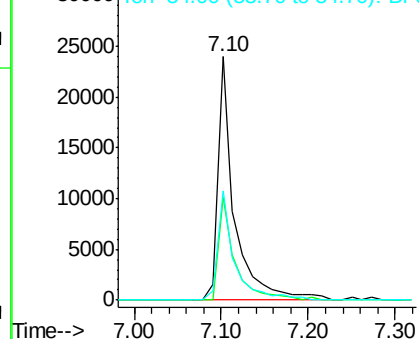
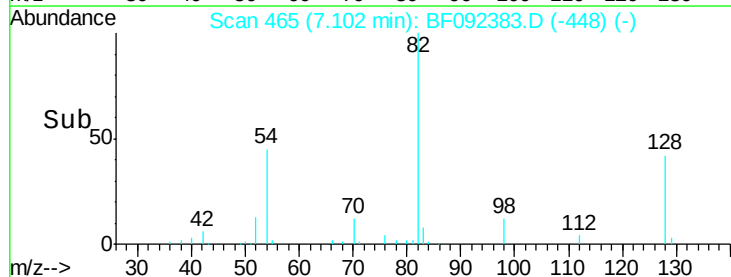


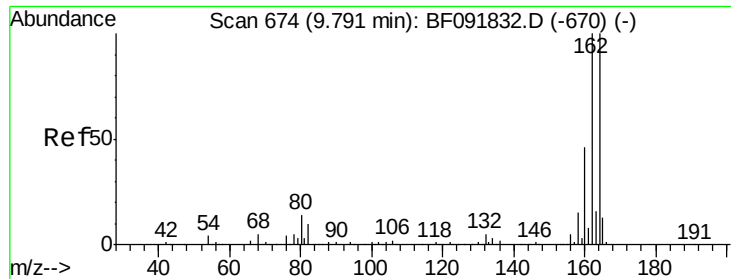
#23
Nitrobenzene-d5
Concen: 2.50 ng
RT: 7.10 min Scan# 465
Delta R.T. -0.11 min
Lab File: BF092383.D
Acq: 20 Jan 2017 20:10

Tgt Ion:	82	Resp:	31920
Ion	Ratio	Lower	Upper
82	100		
128	42.2	34.6	52.0
54	45.0	39.5	59.3



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: 9.56 min Scan# 680

Delta R.T. -0.12 min

Lab File: BF092383.D

Acq: 20 Jan 2017 20:10

Instrument :

BNA_F

ClientSampleId :

B-1

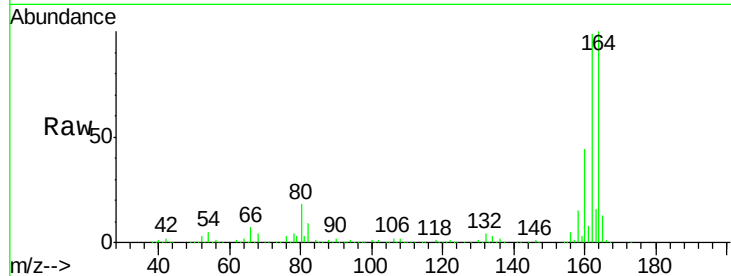
Tgt Ion:164 Resp: 323547

Ion Ratio Lower Upper

164 100

162 99.2 80.2 120.2

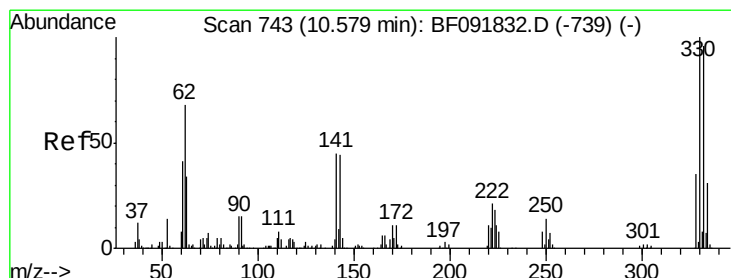
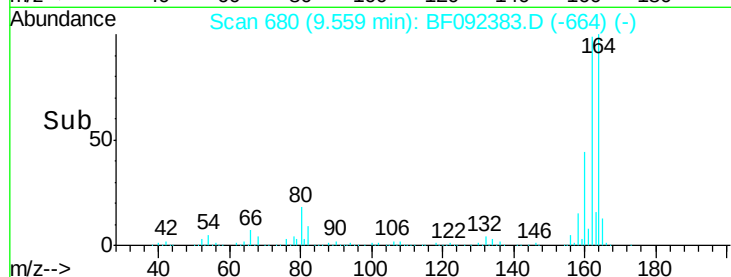
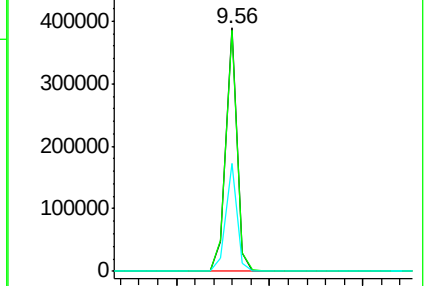
160 44.1 36.9 55.3



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: 3.15 ng

RT: 10.36 min Scan# 750

Delta R.T. -0.11 min

Lab File: BF092383.D

Acq: 20 Jan 2017 20:10

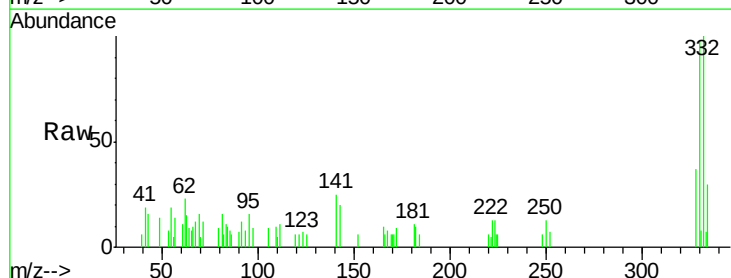
Tgt Ion:330 Resp: 8427

Ion Ratio Lower Upper

330 100

332 103.6 77.4 116.2

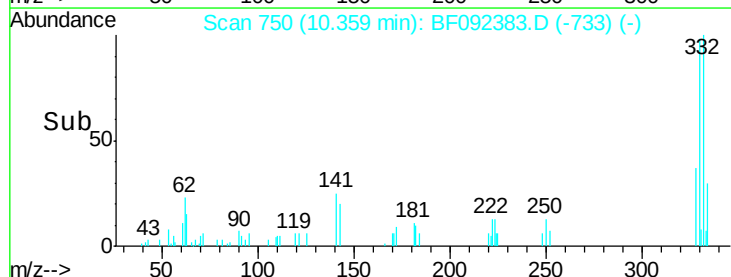
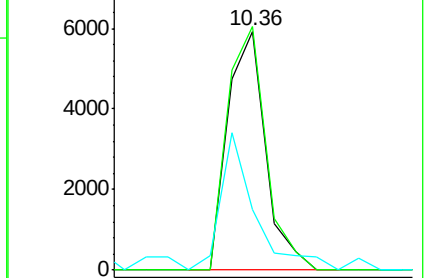
141 59.7 34.1 51.1#

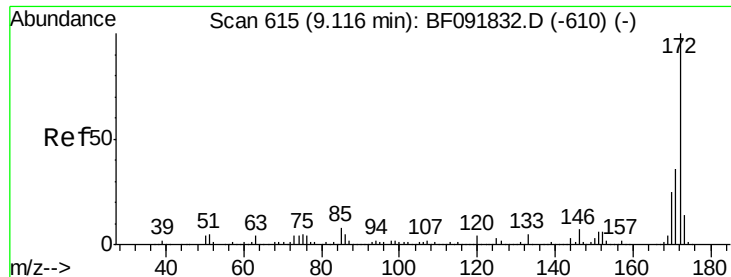


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

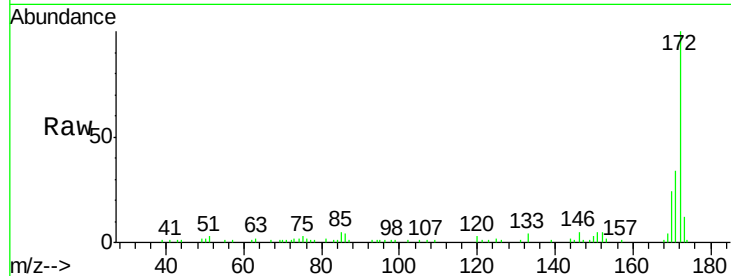




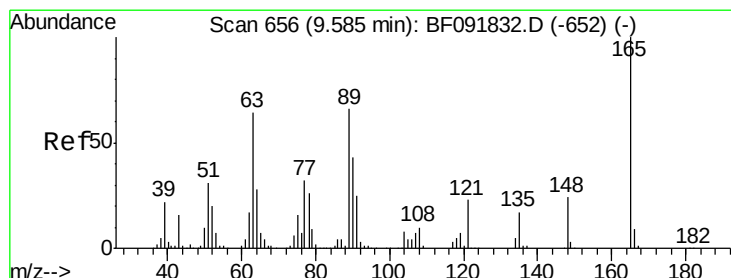
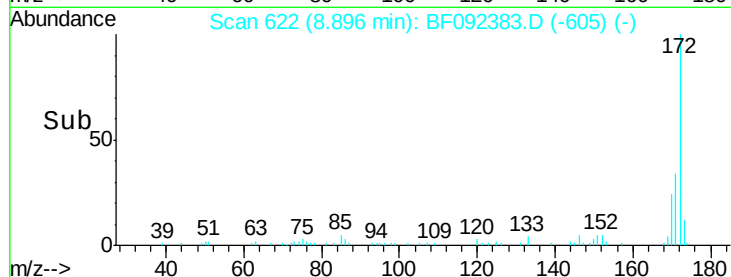
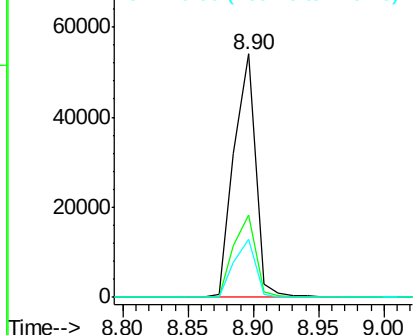
#44
2-Fluorobiphenyl
Concen: -10.52 ng
RT: 8.90 min Scan# 622
Delta R.T. -0.11 min
Lab File: BF092383.D
Acq: 20 Jan 2017 20:10

Instrument :
BNA_F
ClientSampleId :
B-1

Tgt Ion:172 Resp: 62841
Ion Ratio Lower Upper
172 100
171 33.9 29.4 44.0
170 23.8 20.2 30.4

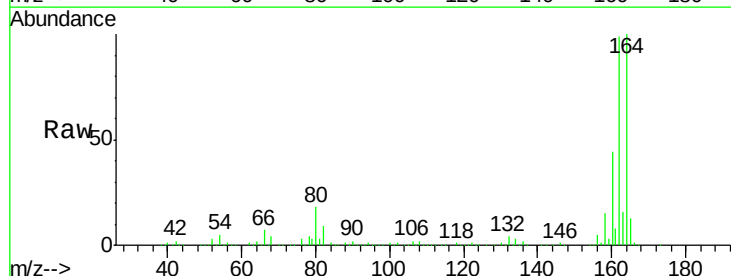


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

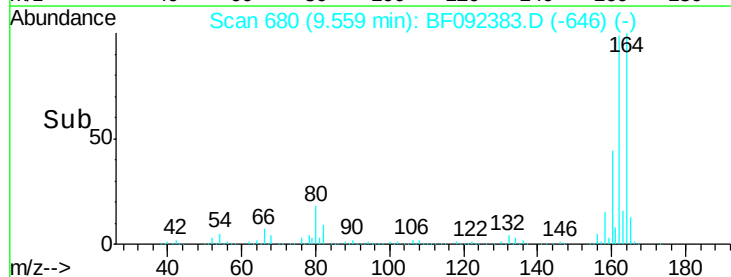
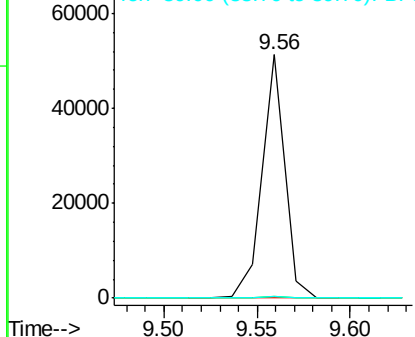


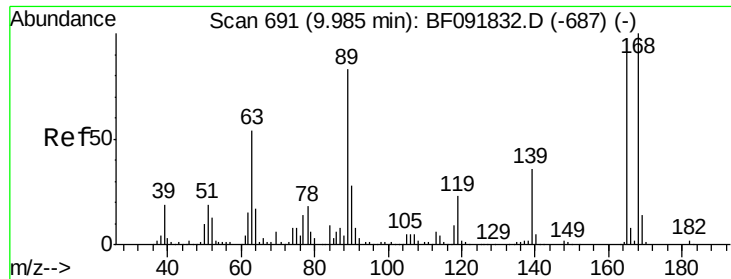
#50
2,6-Dinitrotoluene
Concen: 9.46 ng
RT: 9.56 min Scan# 680
Delta R.T. 0.08 min
Lab File: BF092383.D
Acq: 20 Jan 2017 20:10

Tgt Ion:165 Resp: 42850
Ion Ratio Lower Upper
165 100
63 0.8 36.2 54.4#
89 0.9 40.2 60.4#



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

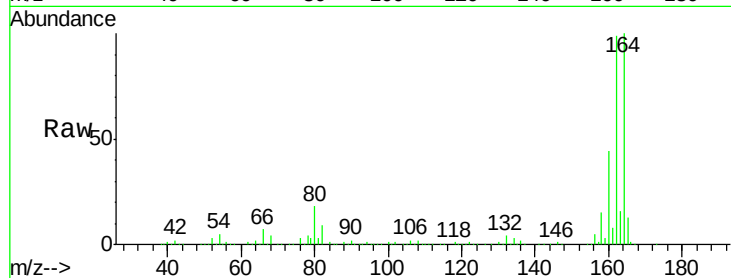




#56
 2,4-Dinitrotoluene
 Concen: 7.54 ng
 RT: 9.56 min Scan# 680
 Delta R.T. -0.33 min
 Lab File: BF092383.D
 Acq: 20 Jan 2017 20:10

Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion:	165	Resp:	42850
Ion	Ratio	Lower	Upper
165	100		
63	0.8	40.2	60.4#
89	0.9	62.5	93.7#
182	0.0	1.8	2.8#

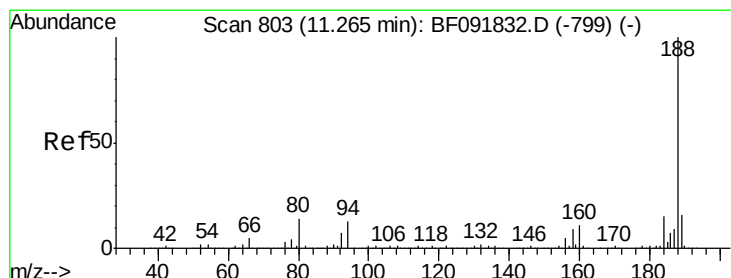
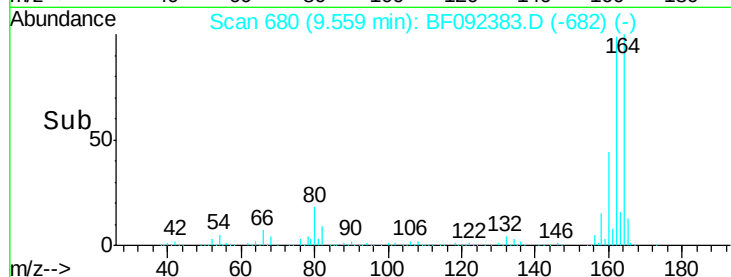
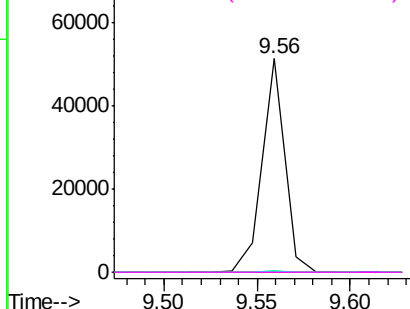


Abundance Ion 165.00 (164.70 to 165.70): E

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



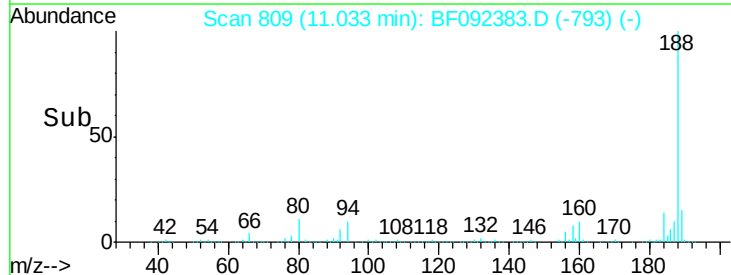
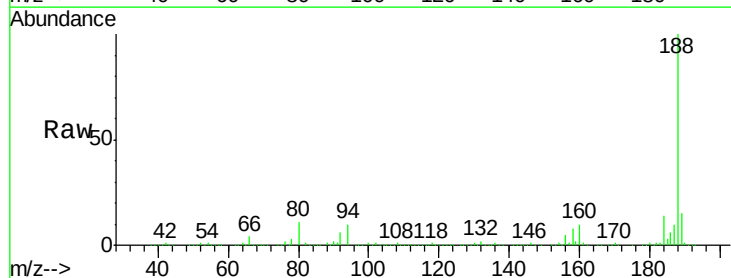
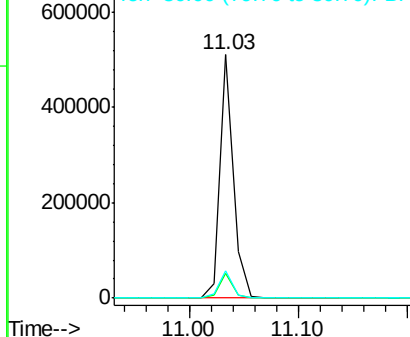
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.03 min Scan# 809
 Delta R.T. -0.12 min
 Lab File: BF092383.D
 Acq: 20 Jan 2017 20:10

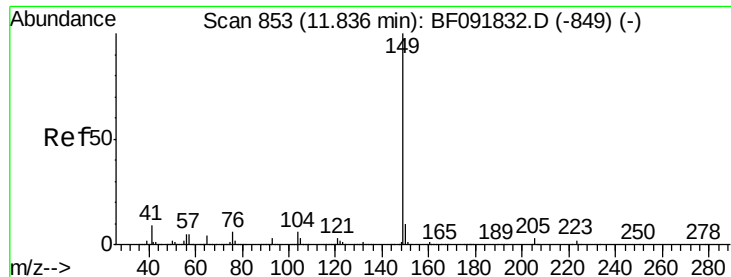
Tgt Ion:	188	Resp:	444310
Ion	Ratio	Lower	Upper
188	100		
94	10.4	10.0	15.0
80	11.3	11.2	16.8

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





#73

Di-n-butylphthalate

Concen: Below Cal

RT: 11.62 min Scan# 860

Delta R.T. -0.11 min

Lab File: BF092383.D

Acq: 20 Jan 2017 20:10

Instrument :

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ClientSampleId :

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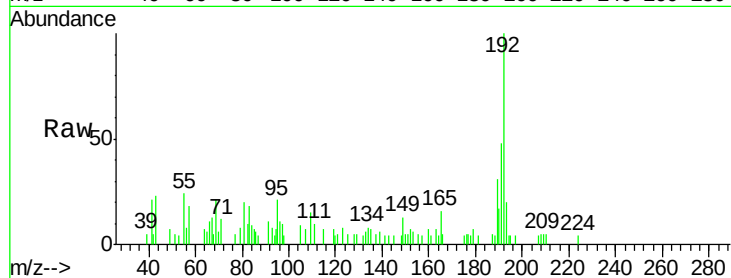
Tgt Ion:149 Resp: 1743

Ion Ratio Lower Upper

149 100

150 41.0 8.1 12.1#

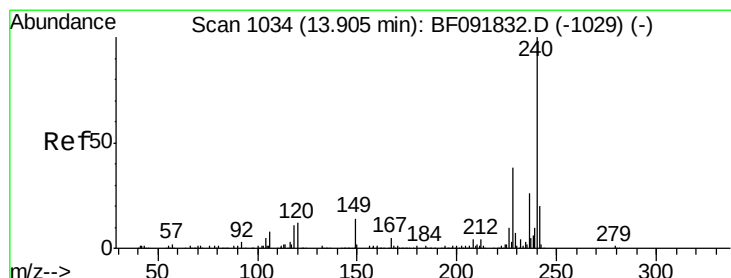
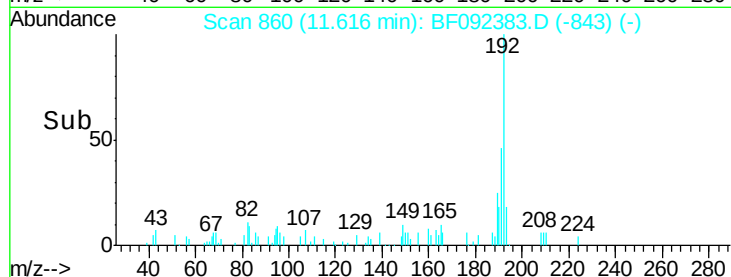
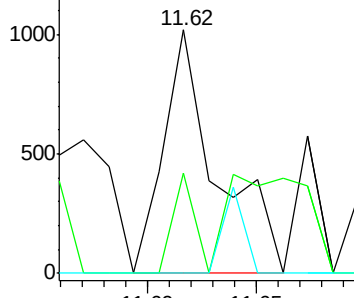
104 0.0 4.6 7.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.66 min Scan# 1039

Delta R.T. -0.12 min

Lab File: BF092383.D

Acq: 20 Jan 2017 20:10

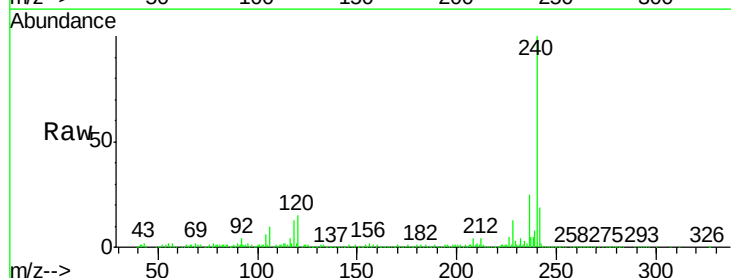
Tgt Ion:240 Resp: 329597

Ion Ratio Lower Upper

240 100

120 14.8 12.9 19.3

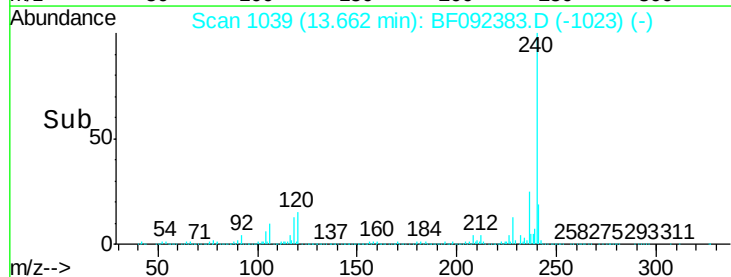
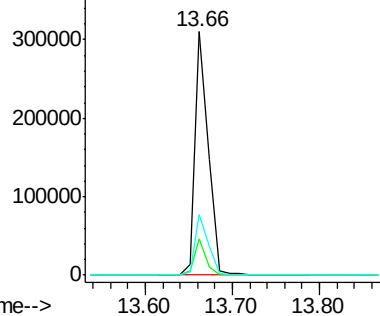
236 25.0 20.9 31.3

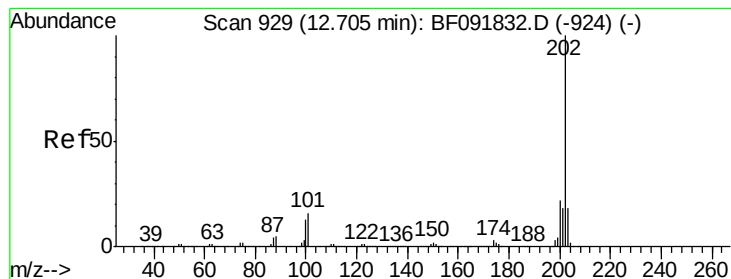


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 5.32 ng

RT: 12.47 min Scan# 935

Delta R.T. -0.11 min

Lab File: BF092383.D

Acq: 20 Jan 2017 20:10

Instrument :

BNA_F

ClientSampleId :

B-1

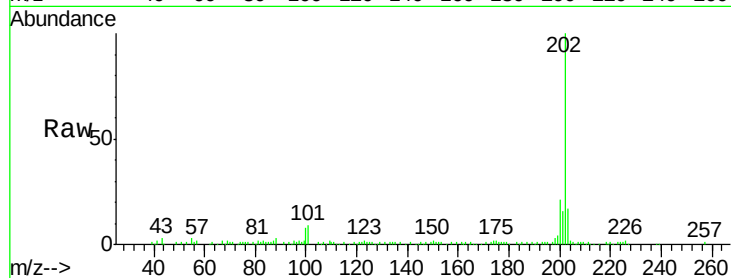
Tgt Ion: 202 Resp: 128666

Ion Ratio Lower Upper

202 100

200 20.7 17.7 26.5

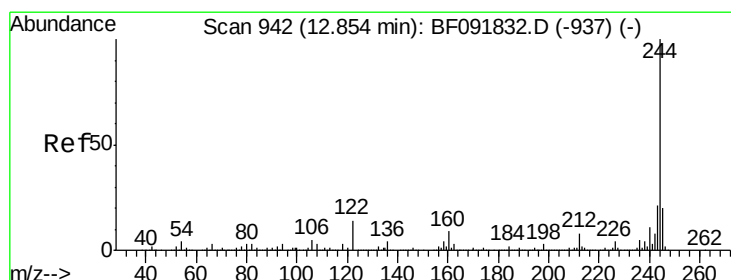
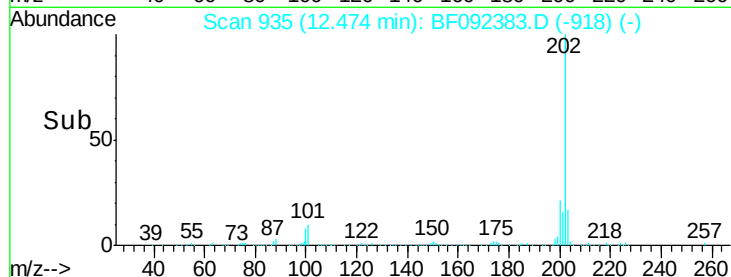
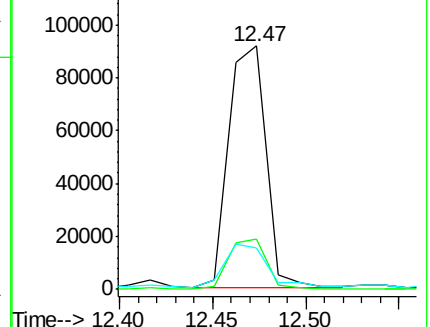
203 17.0 14.7 22.1



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: 3.85 ng

RT: 12.62 min Scan# 948

Delta R.T. -0.12 min

Lab File: BF092383.D

Acq: 20 Jan 2017 20:10

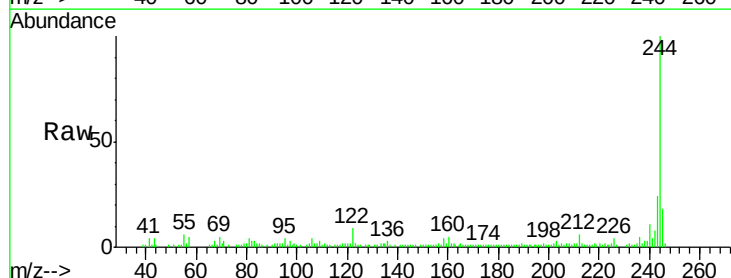
Tgt Ion: 244 Resp: 52380

Ion Ratio Lower Upper

244 100

212 6.1 6.2 9.2#

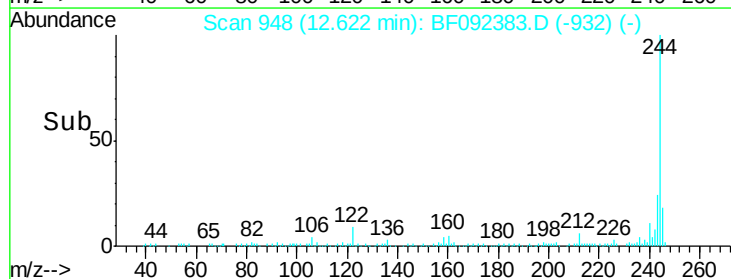
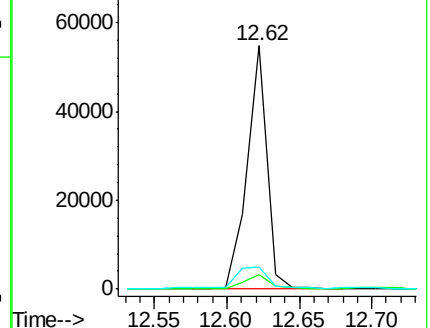
122 9.0 11.4 17.2#

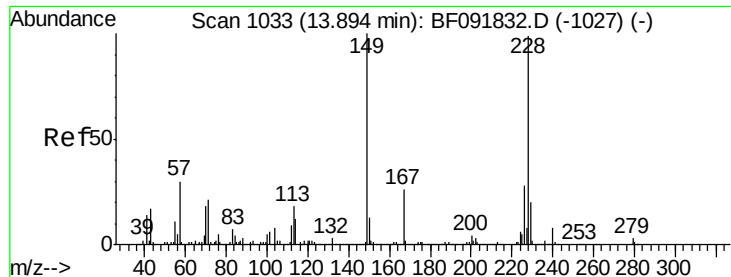


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 4.05 ng

RT: 13.65 min Scan# 1038

Delta R.T. -0.12 min

Lab File: BF092383.D

Acq: 20 Jan 2017 20:10

Instrument :

BNA_F

ClientSampleId :

B-1

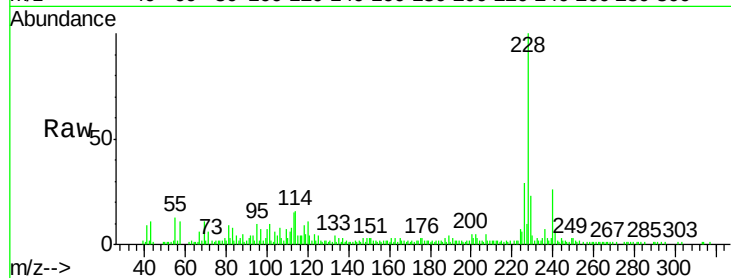
Tgt Ion:228 Resp: 75374

Ion Ratio Lower Upper

228 100

226 28.5 22.4 33.6

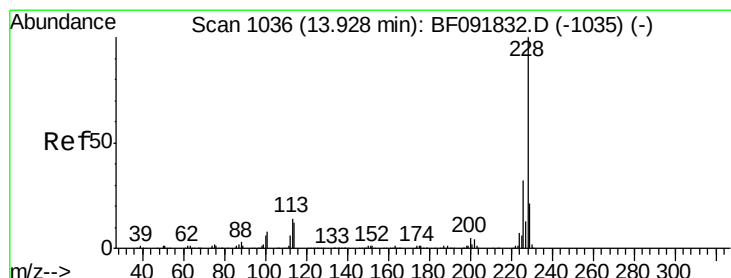
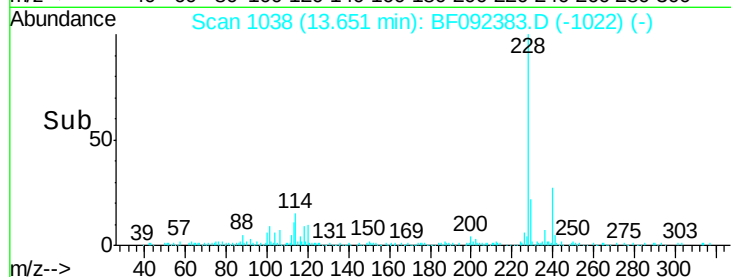
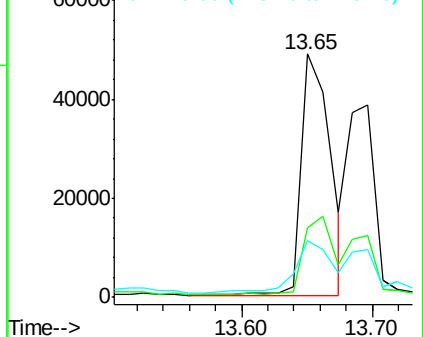
229 23.1 16.2 24.4



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: 4.04 ng

RT: 13.65 min Scan# 1038

Delta R.T. -0.16 min

Lab File: BF092383.D

Acq: 20 Jan 2017 20:10

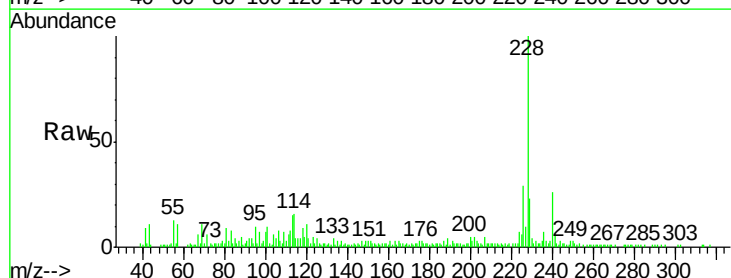
Tgt Ion:228 Resp: 75374

Ion Ratio Lower Upper

228 100

226 28.5 25.4 38.0

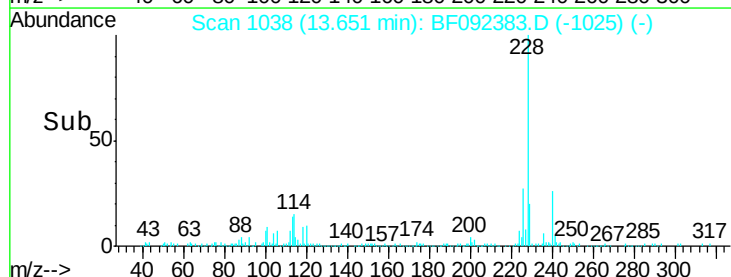
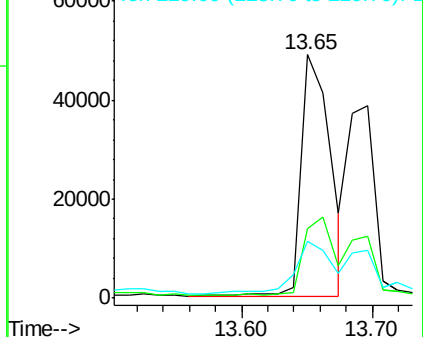
229 23.1 16.2 24.2

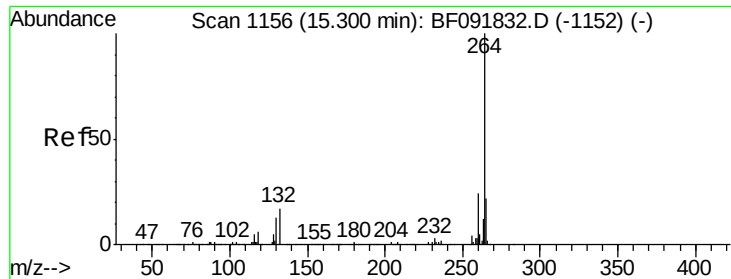


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

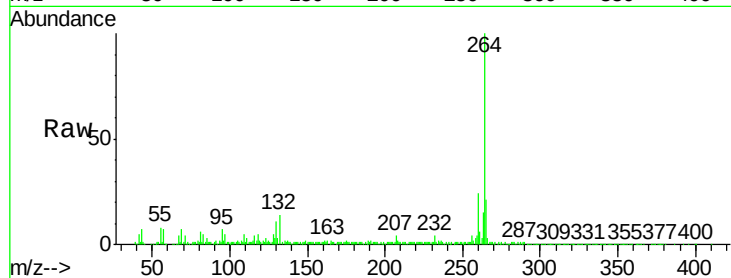




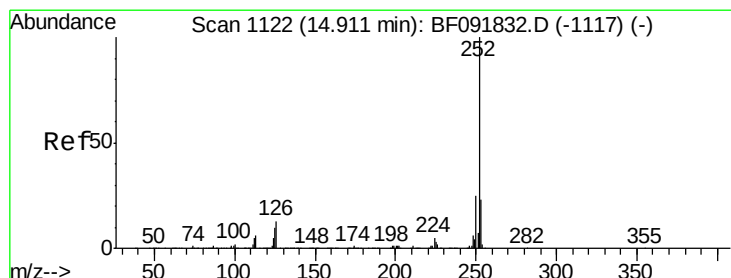
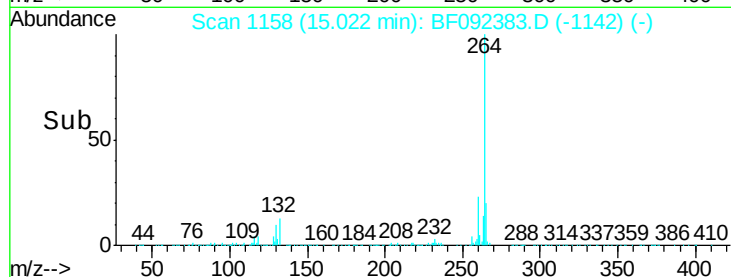
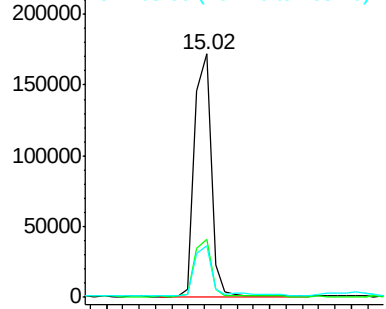
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.02 min Scan# 1158
Delta R.T. -0.12 min
Lab File: BF092383.D
Acq: 20 Jan 2017 20:10

Instrument :
BNA_F
ClientSampled :
B-1

Tgt Ion:	264	Resp:	240124
Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.0	17.4	26.0

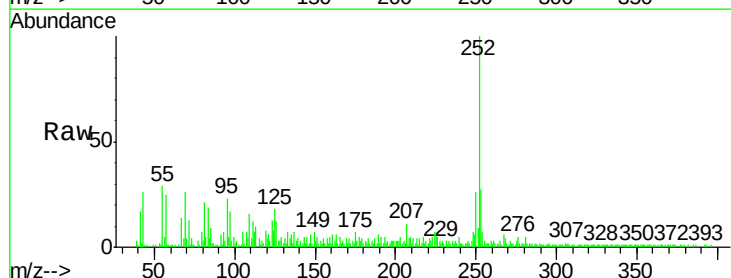


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

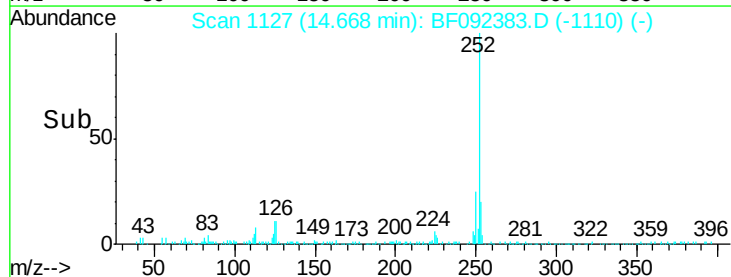
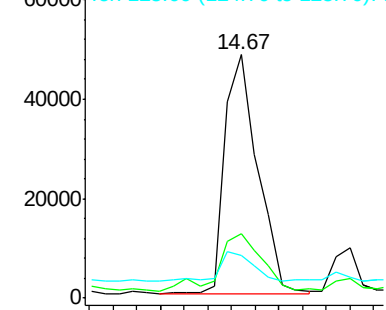


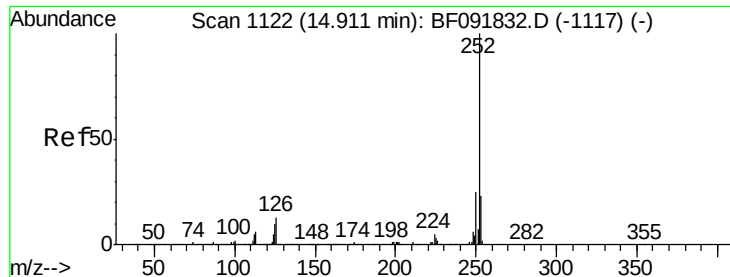
#87
Benzo(b)fluoranthene
Concen: 6.23 ng
RT: 14.67 min Scan# 1127
Delta R.T. -0.11 min
Lab File: BF092383.D
Acq: 20 Jan 2017 20:10

Tgt Ion:	252	Resp:	93146
Ion	Ratio	Lower	Upper
252	100		
253	26.7	18.2	27.4
125	17.6	9.8	14.6#



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

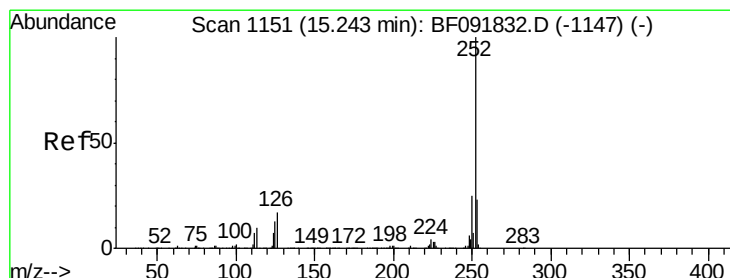
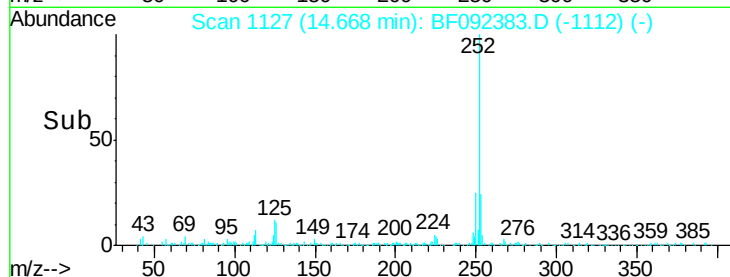
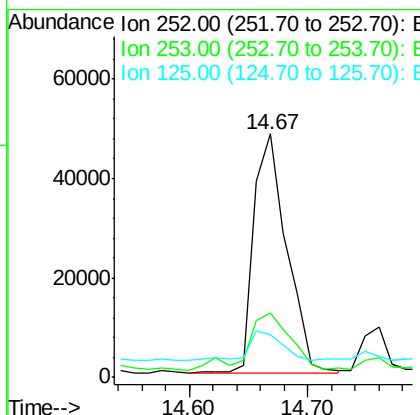
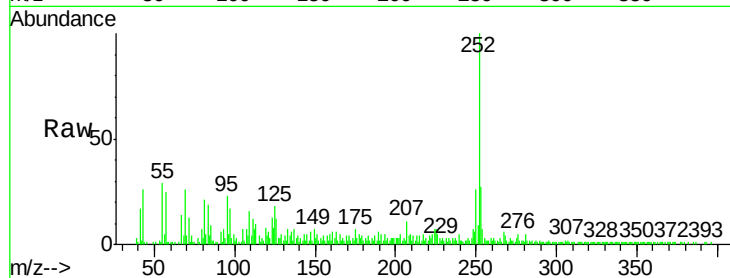




#88
Benzo(k)fluoranthene
Concen: 7.28 ng
RT: 14.67 min Scan# 1127
Delta R.T. -0.13 min
Lab File: BF092383.D
Acq: 20 Jan 2017 20:10

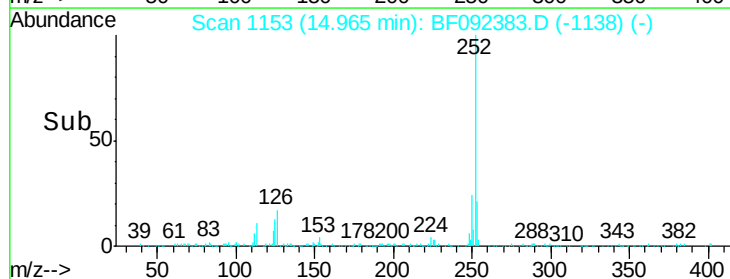
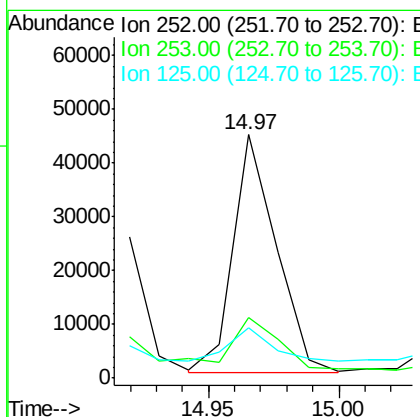
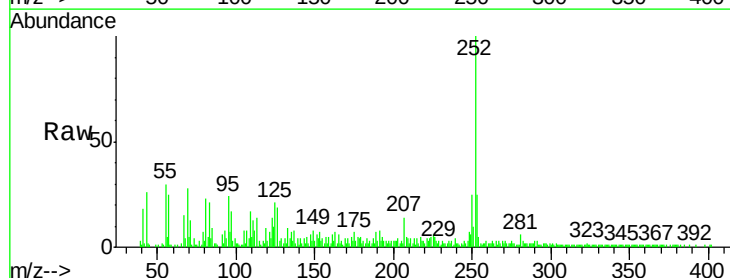
Instrument :
BNA_F
ClientSampleId :
B-1

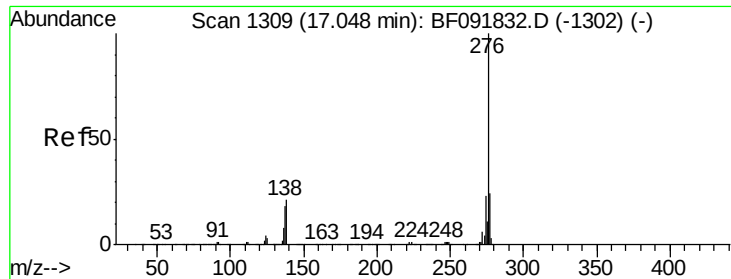
Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.7	18.5	27.7
125	17.6	8.9	13.3



#89
Benzo(a)pyrene
Concen: 3.87 ng
RT: 14.97 min Scan# 1153
Delta R.T. -0.13 min
Lab File: BF092383.D
Acq: 20 Jan 2017 20:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	18.2	27.2
125	20.7	10.0	15.0





#91

Benzo(g,h,i)perylene

Concen: 2.80 ng

RT: 16.60 min Scan# 1296

Delta R.T. -0.20 min

Lab File: BF092383.D

Acq: 20 Jan 2017 20:10

Instrument :

BNA_F

ClientSampleId :

B-1

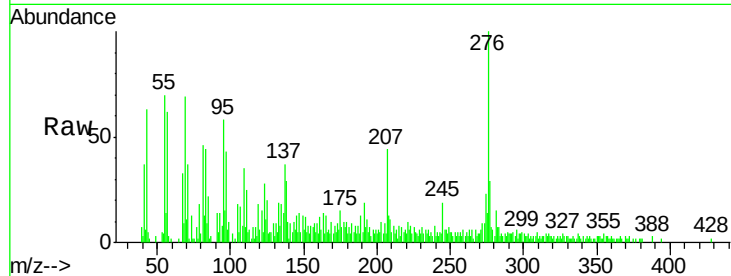
Tgt Ion: 276 Resp: 31718

Ion Ratio Lower Upper

276 100

277 29.4 19.2 28.8#

138 29.3 16.0 24.0#



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

