

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011217\
 Data File : BF092236.D
 Acq On : 13 Jan 2017 5:43
 Operator : UM/SJ
 Sample : I1146-01
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P-19-11017

Quant Time: Jan 13 06:48:50 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	6.60	152	243321	20.00	ng	-0.05
21) Naphthalene-d8	7.88	136	845590	20.00	ng	-0.06
38) Acenaphthene-d10	9.62	164	415246	20.00	ng	-0.06
63) Phenanthrene-d10	11.11	188	714105	20.00	ng	-0.05
75) Chrysene-d12	13.74	240	537319	20.00	ng	-0.05
86) Perylene-d12	15.10	264	520649	20.00	ng	-0.05

System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	2049876	140.67	ng	-0.03
7) Phenol-d6	6.26	99	2323563	130.60	ng	-0.05
23) Nitrobenzene-d5	7.17	82	1501624	98.75	ng	-0.05
41) 2,4,6-Tribromophenol	10.42	330	548023	159.47	ng	-0.05
44) 2-Fluorobiphenyl	8.96	172	2179254	111.56	ng	-0.05
78) Terphenyl-d14	12.70	244	1829010	82.56	ng	-0.05

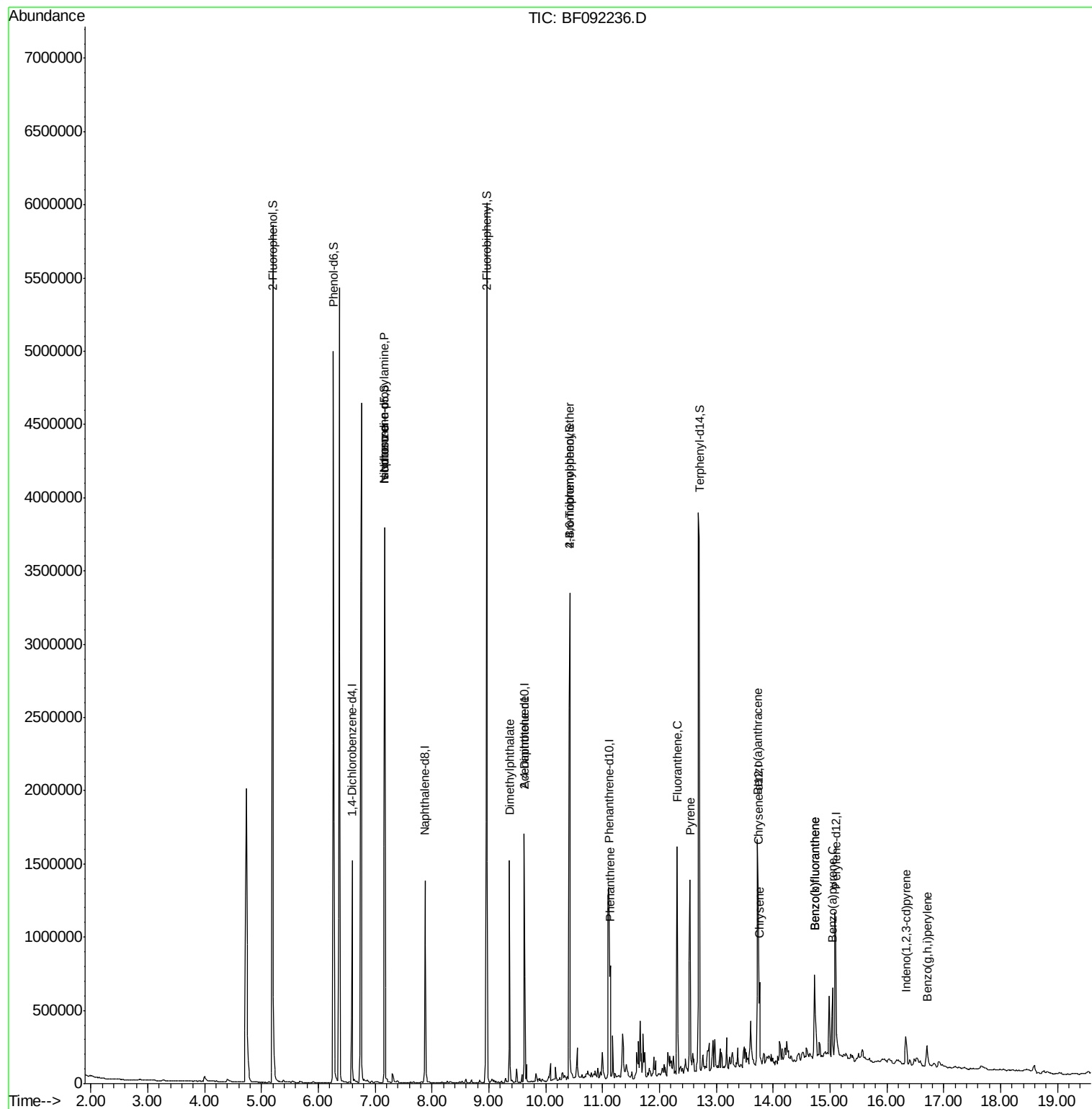
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.17	70	204350	17.26	ng	# 76
25) Isophorone	7.17	82	1488106	53.04	ng	# 65
37) 2-Methylnaphthalene	8.60	142	7830	Below	Cal	93
49) Dimethylphthalate	9.36	163	579686	21.83	ng	99
56) 2,4-Dinitrotoluene	9.62	165	54259	7.44	ng	# 20
66) 4-Bromophenyl-phenylether	10.42	248	34425	4.63	ng	# 1
70) Phenanthrene	11.13	178	430306	11.11	ng	97
73) Di-n-butylphthalate	11.68	149	19179	Below	Cal	96
74) Fluoranthene	12.31	202	570987	14.19	ng	99
76) Benzidine	12.69	184	24077	Below	Cal	97
77) Pyrene	12.54	202	576853	14.63	ng	98
80) Benzo(a)anthracene	13.73	228	277630	9.15	ng	96
82) Chrysene	13.76	228	256659	8.44	ng	96
85) Indeno(1,2,3-cd)pyrene	16.33	276	117255	4.45	ng	98
87) Benzo(b)fluoranthene	14.73	252	409831	12.64	ng	98
88) Benzo(k)fluoranthene	14.73	252	408538	14.78	ng	97
89) Benzo(a)pyrene	15.04	252	224829	7.81	ng	99
91) Benzo(g,h,i)perylene	16.71	276	109723	4.46	ng	96

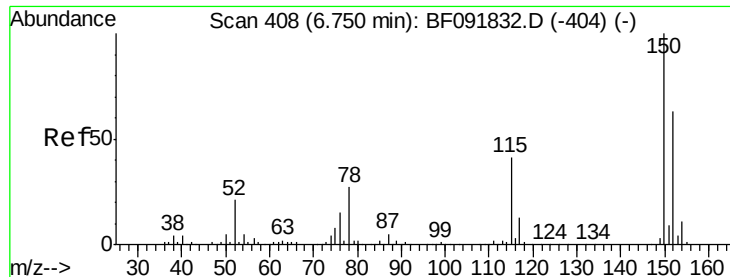
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011217\
Data File : BF092236.D
Acq On : 13 Jan 2017 5:43
Operator : UM/SJ
Sample : I1146-01
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P-19-11017

Quant Time: Jan 13 06:48:50 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.60 min Scan# 412

Delta R.T. -0.05 min

Lab File: BF092236.D

Acq: 13 Jan 2017 5:43

Instrument :

BNA_F

ClientSampleId :

P-19-11017

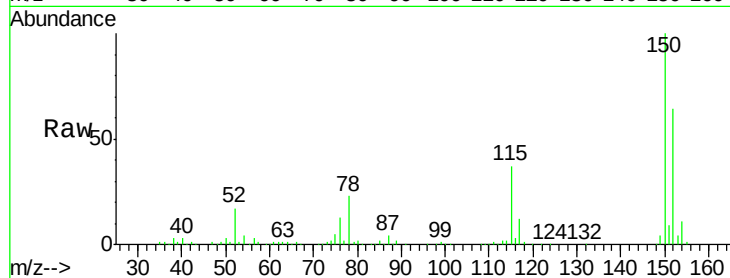
Tgt Ion:152 Resp: 243321

Ion Ratio Lower Upper

152 100

150 155.4 124.9 187.3

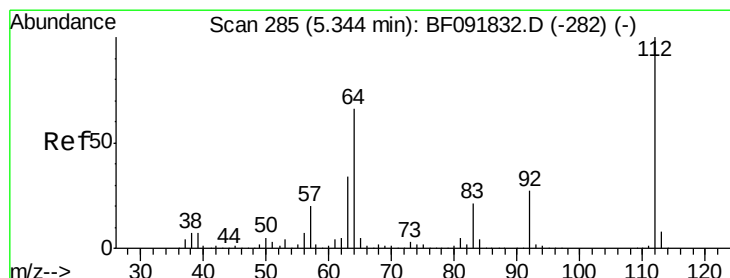
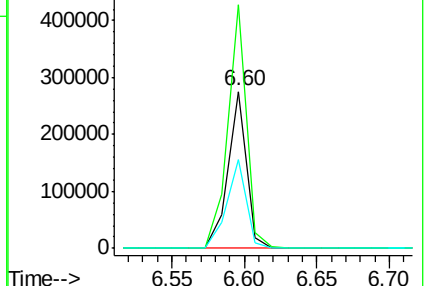
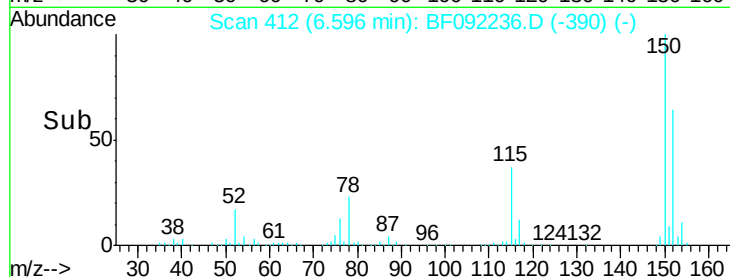
115 57.0 46.0 69.0



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: 140.67 ng

RT: 5.20 min Scan# 290

Delta R.T. -0.03 min

Lab File: BF092236.D

Acq: 13 Jan 2017 5:43

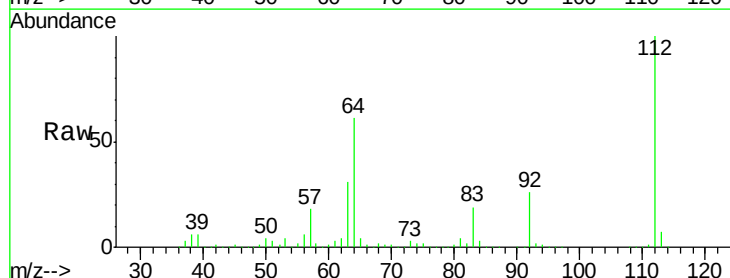
Tgt Ion:112 Resp: 2049876

Ion Ratio Lower Upper

112 100

64 61.0 46.1 69.1

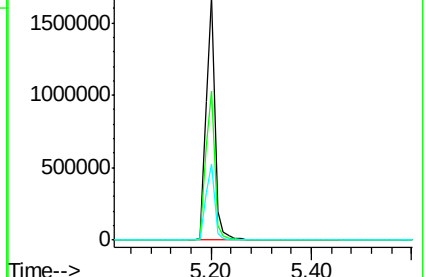
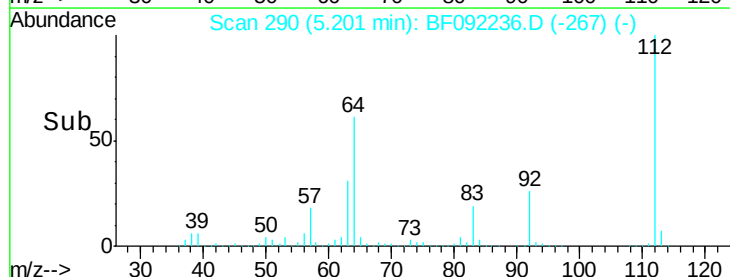
63 31.1 23.8 35.6

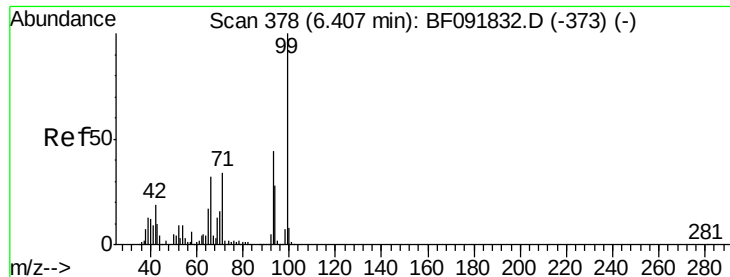


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 130.60 ng

RT: 6.26 min Scan# 383

Delta R.T. -0.05 min

Lab File: BF092236.D

Acq: 13 Jan 2017 5:43

Instrument :

BNA_F

ClientSampleId :

P-19-11017

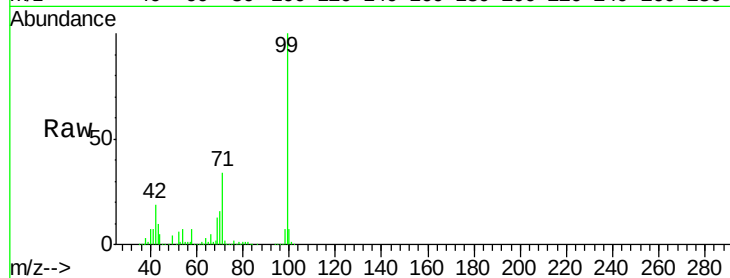
Tgt Ion: 99 Resp: 2323563

Ion Ratio Lower Upper

99 100

42 19.1 15.6 23.4

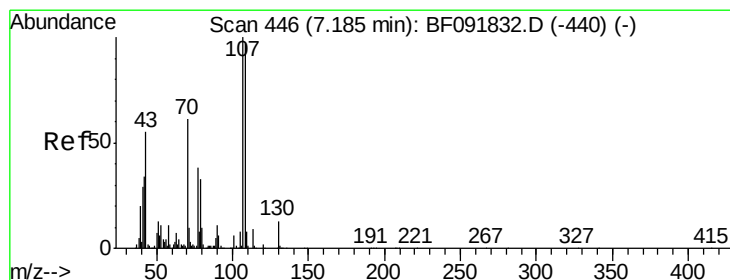
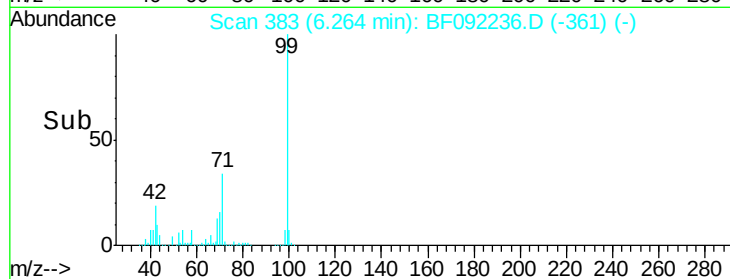
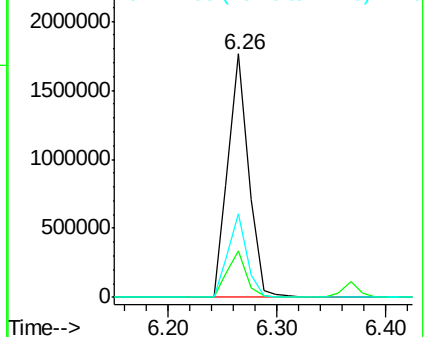
71 34.2 27.5 41.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 17.26 ng

RT: 7.17 min Scan# 462

Delta R.T. 0.09 min

Lab File: BF092236.D

Acq: 13 Jan 2017 5:43

Tgt Ion: 70 Resp: 204350

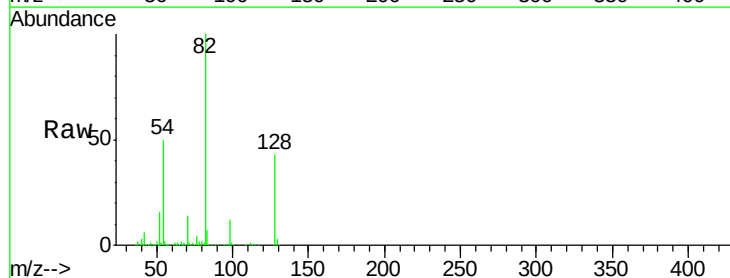
Ion Ratio Lower Upper

70 100

42 46.2 49.4 74.0#

101 0.0 7.4 11.2#

130 2.1 14.2 21.4#

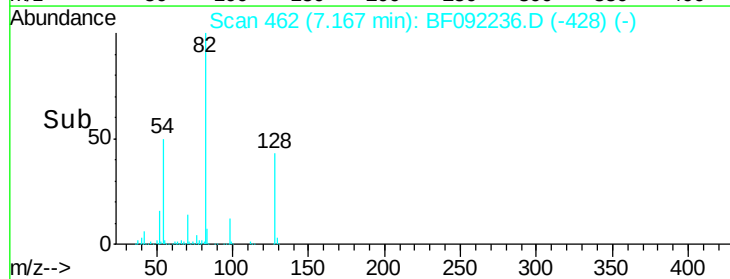
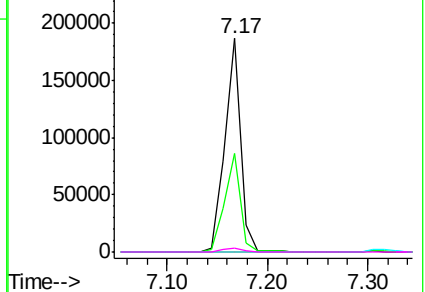


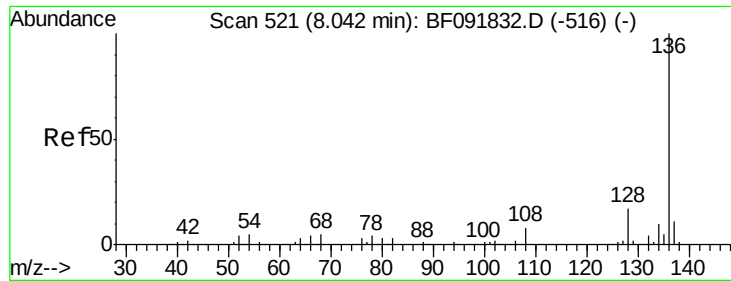
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

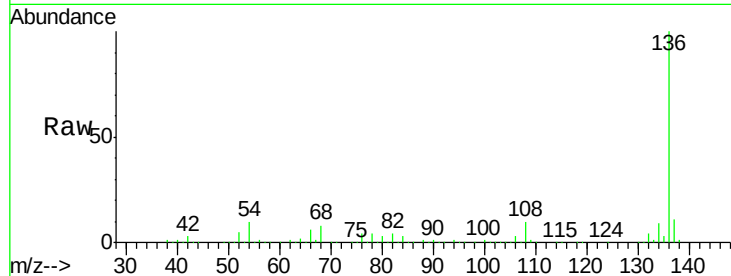




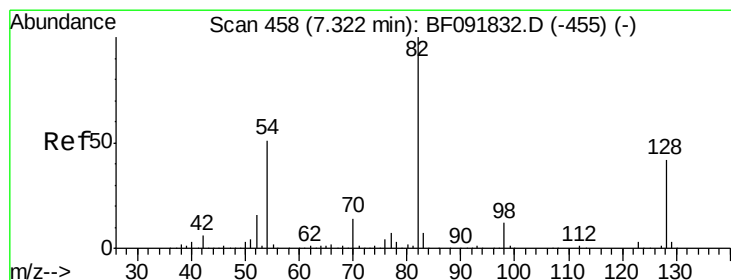
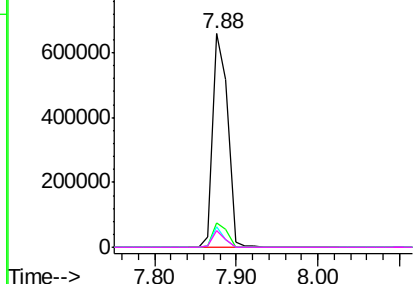
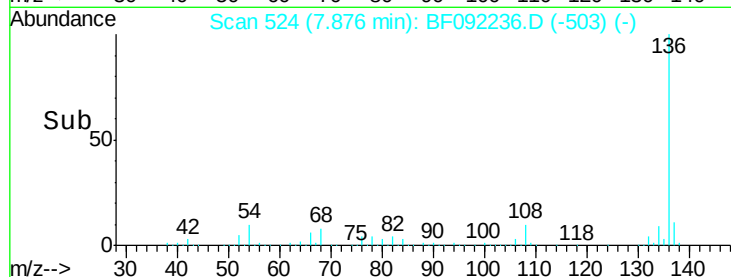
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.88 min Scan# 524
Delta R.T. -0.06 min
Lab File: BF092236.D
Acq: 13 Jan 2017 5:43

Instrument :
BNA_F
ClientSampleId :
P-19-11017

Tgt Ion:	136	Resp:	845590
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.4	12.6
54	9.8	4.5	6.7#
68	7.8	3.6	5.4#

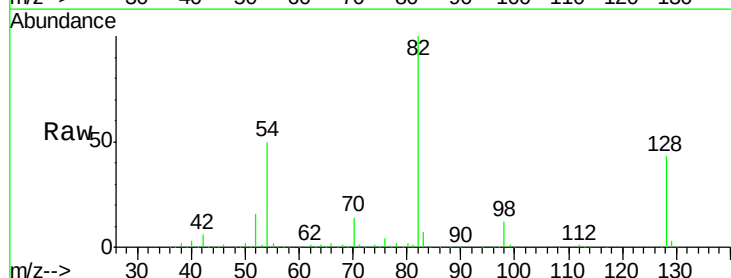


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

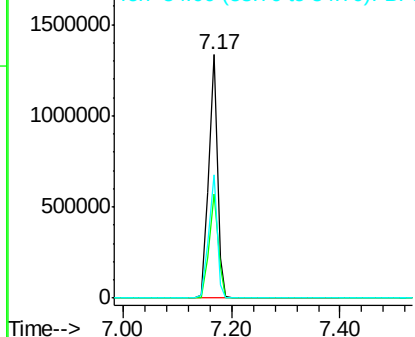
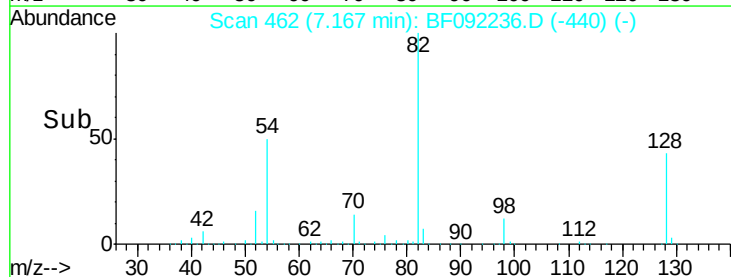


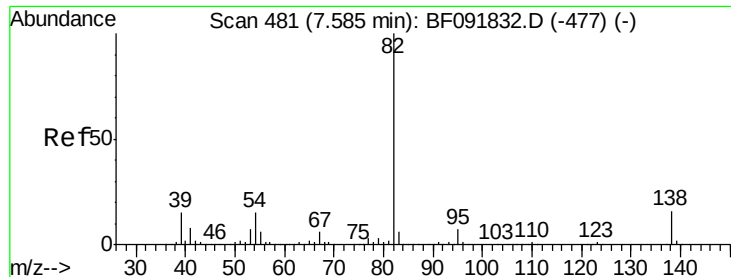
#23
Nitrobenzene-d5
Concen: 98.75 ng
RT: 7.17 min Scan# 462
Delta R.T. -0.05 min
Lab File: BF092236.D
Acq: 13 Jan 2017 5:43

Tgt Ion:	82	Resp:	1501624
Ion	Ratio	Lower	Upper
82	100		
128	42.6	34.6	52.0
54	50.5	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





#25

Isophorone

Concen: 53.04 ng

RT: 7.17 min Scan# 462

Delta R.T. -0.31 min

Lab File: BF092236.D

Acq: 13 Jan 2017 5:43

Instrument :

BNA_F

ClientSampleId :

P-19-11017

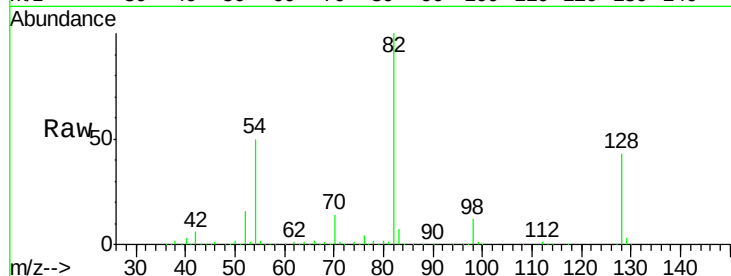
Tgt Ion: 82 Resp: 1488106

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

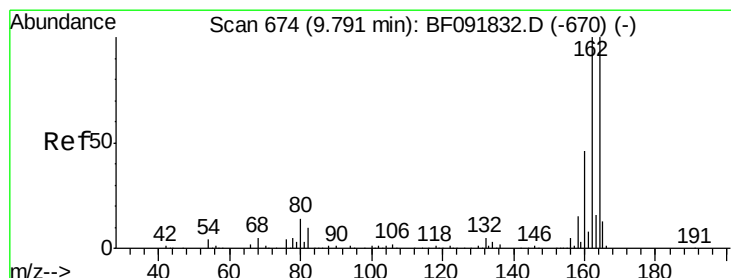
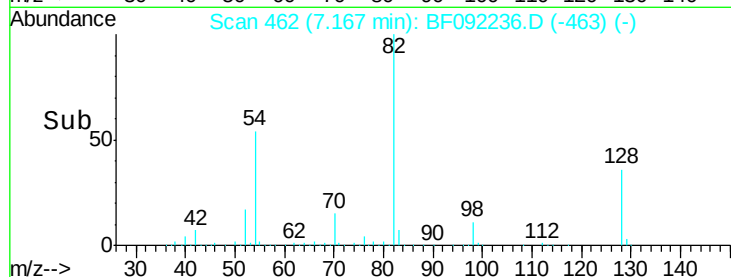
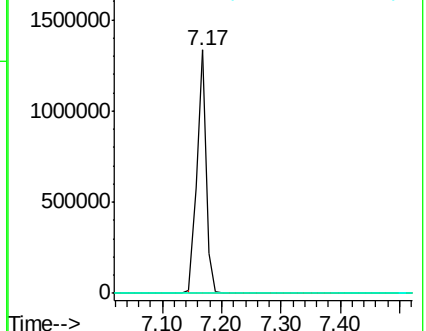
138 0.0 14.6 22.0#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.62 min Scan# 677

Delta R.T. -0.06 min

Lab File: BF092236.D

Acq: 13 Jan 2017 5:43

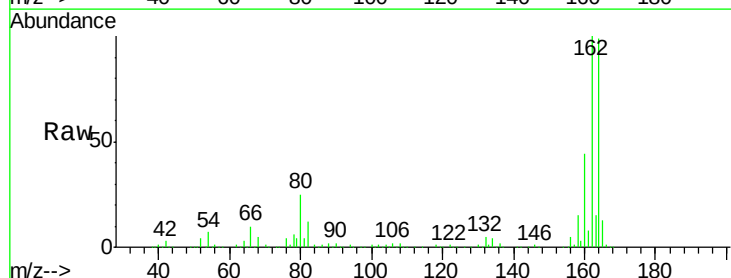
Tgt Ion: 164 Resp: 415246

Ion Ratio Lower Upper

164 100

162 100.7 80.2 120.2

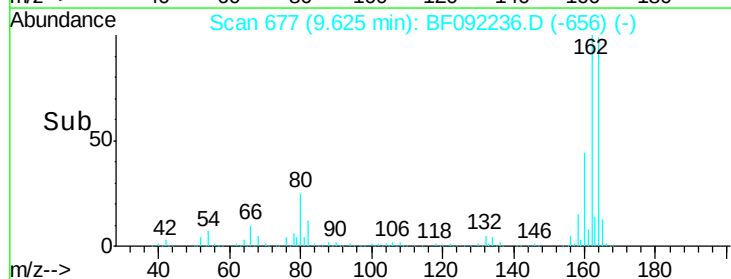
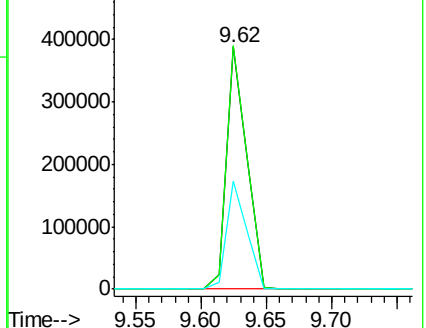
160 44.4 36.9 55.3

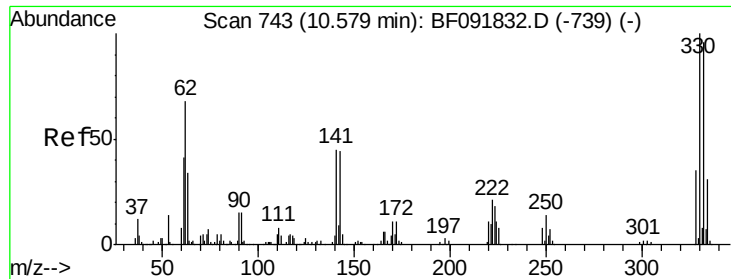


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

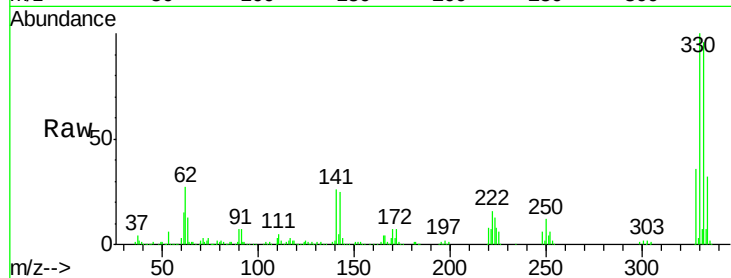




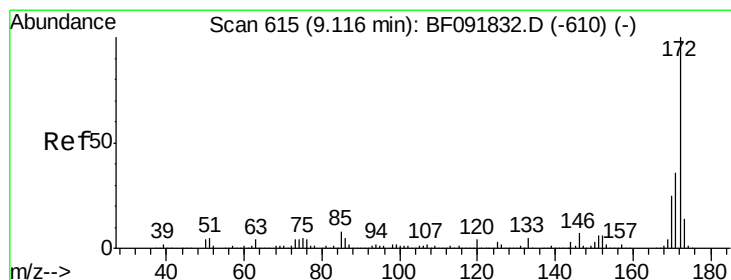
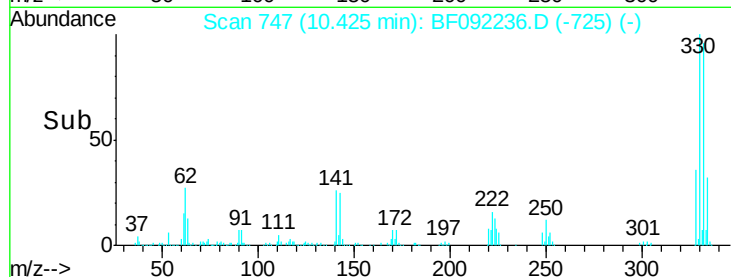
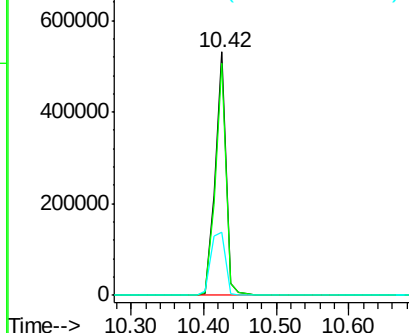
#41
 2,4,6-Tribromophenol
 Concen: 159.47 ng
 RT: 10.42 min Scan# 747
 Delta R.T. -0.05 min
 Lab File: BF092236.D
 Acq: 13 Jan 2017 5:43

Instrument :
 BNA_F
 ClientSampleId :
 P-19-11017

Tgt Ion:330 Resp: 548023
 Ion Ratio Lower Upper
 330 100
 332 94.9 77.4 116.2
 141 35.8 34.1 51.1

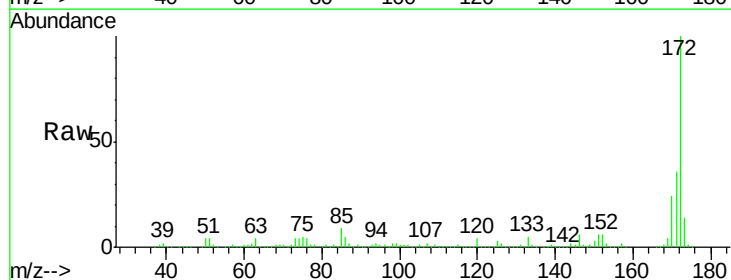


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

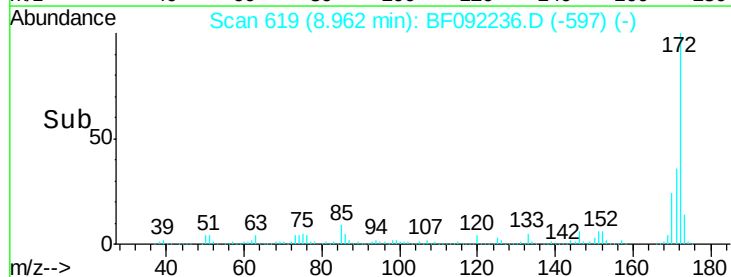
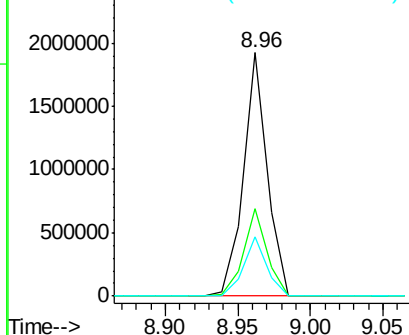


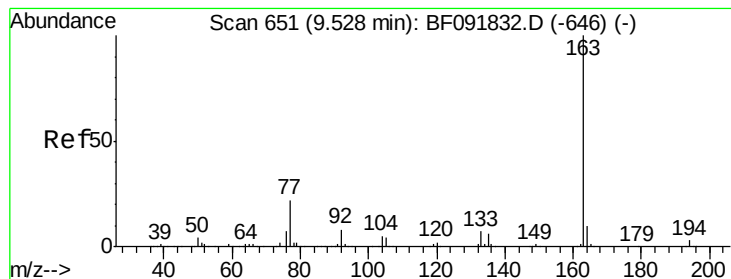
#44
 2-Fluorobiphenyl
 Concen: 111.56 ng
 RT: 8.96 min Scan# 619
 Delta R.T. -0.05 min
 Lab File: BF092236.D
 Acq: 13 Jan 2017 5:43

Tgt Ion:172 Resp: 2179254
 Ion Ratio Lower Upper
 172 100
 171 36.0 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: 21.83 ng

RT: 9.36 min Scan# 654

Delta R.T. -0.06 min

Lab File: BF092236.D

Acq: 13 Jan 2017 5:43

Instrument :

BNA_F

ClientSampleId :

P-19-11017

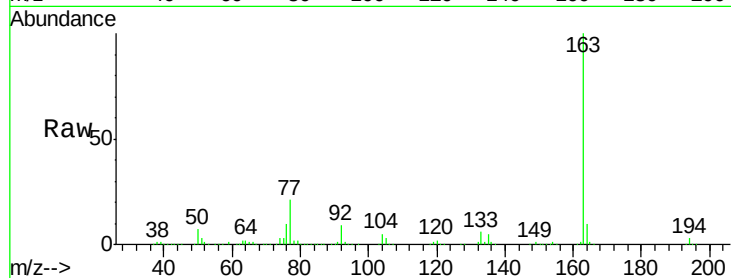
Tgt Ion:163 Resp: 579686

Ion Ratio Lower Upper

163 100

194 3.1 3.0 4.4

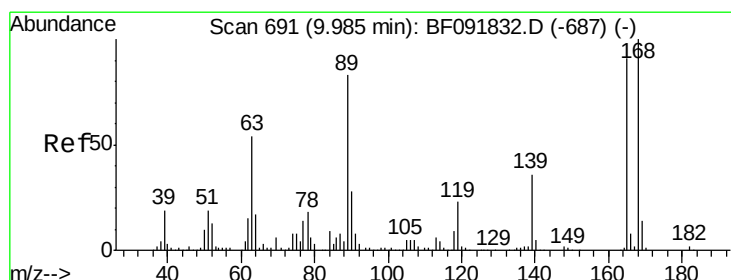
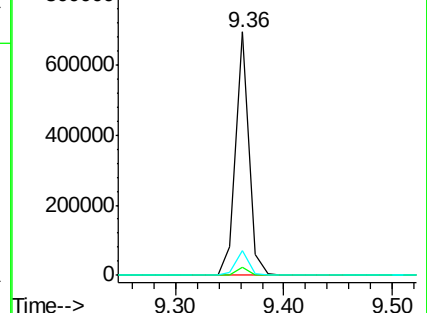
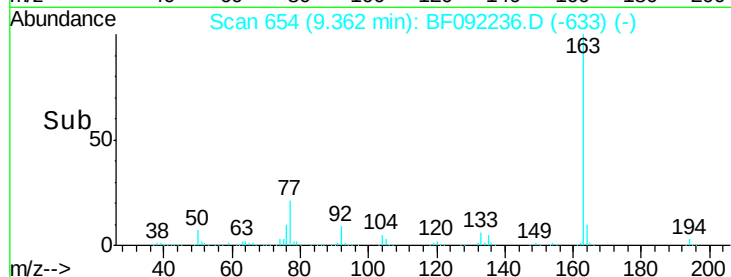
164 10.3 8.0 12.0



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: 7.44 ng

RT: 9.62 min Scan# 677

Delta R.T. -0.26 min

Lab File: BF092236.D

Acq: 13 Jan 2017 5:43

Tgt Ion:165 Resp: 54259

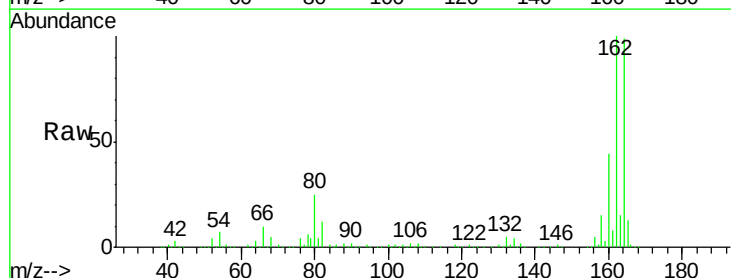
Ion Ratio Lower Upper

165 100

63 1.3 40.2 60.4#

89 1.5 62.5 93.7#

182 0.0 1.8 2.8#

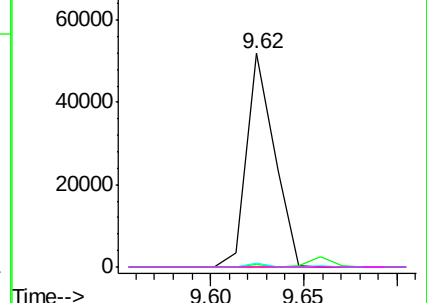
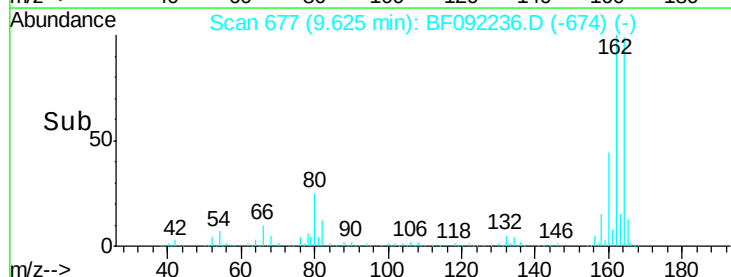


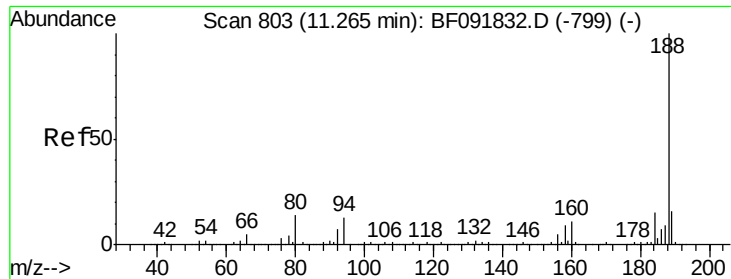
Abundance Ion 165.00 (164.70 to 165.70): E

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

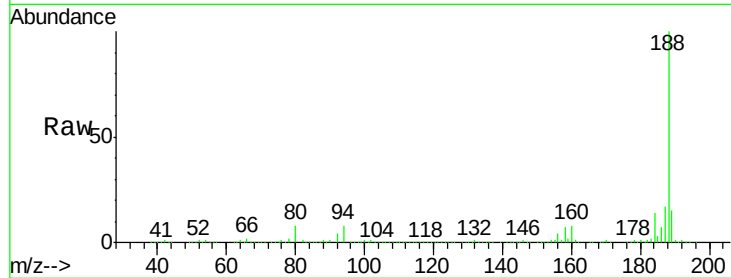




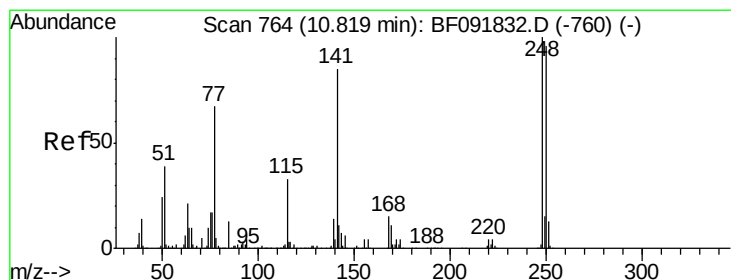
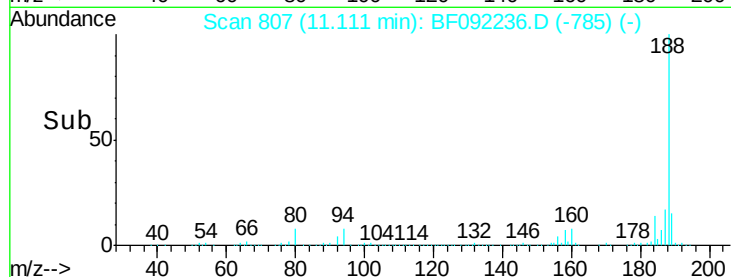
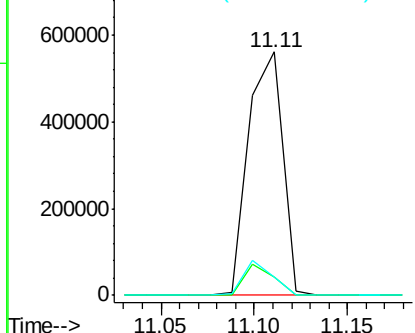
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.11 min Scan# 807
 Delta R.T. -0.05 min
 Lab File: BF092236.D
 Acq: 13 Jan 2017 5:43

Instrument :
 BNA_F
 ClientSampleId :
 P-19-11017

Tgt Ion:188 Resp: 714105
 Ion Ratio Lower Upper
 188 100
 94 7.7 10.0 15.0#
 80 7.7 11.2 16.8#

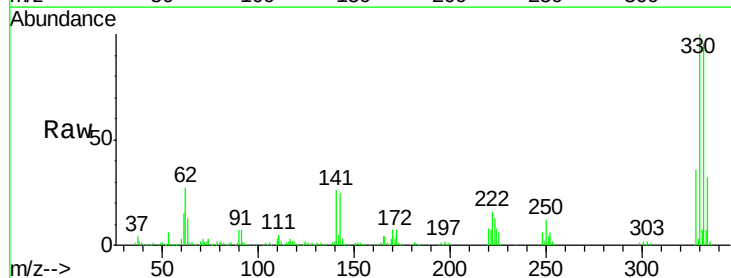


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

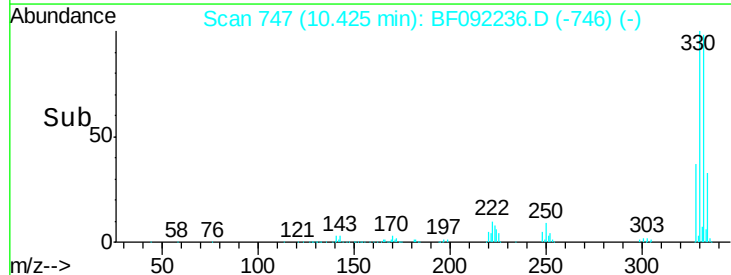
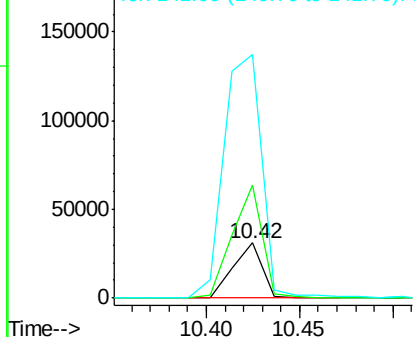


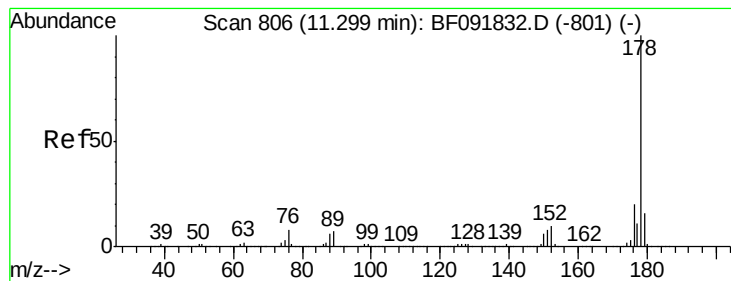
#66
 4-Bromophenyl-phenylether
 Concen: 4.63 ng
 RT: 10.42 min Scan# 747
 Delta R.T. -0.29 min
 Lab File: BF092236.D
 Acq: 13 Jan 2017 5:43

Tgt Ion:248 Resp: 34425
 Ion Ratio Lower Upper
 248 100
 250 205.2 76.9 115.3#
 141 439.4 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: 11.11 ng

RT: 11.13 min Scan# 809

Delta R.T. -0.05 min

Lab File: BF092236.D

Acq: 13 Jan 2017 5:43

Instrument :

BNA_F

ClientSampleId :

P-19-11017

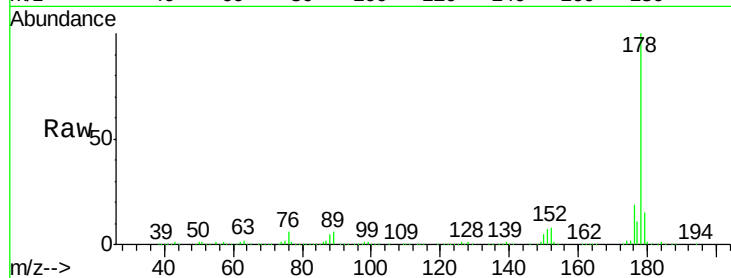
Tgt Ion:178 Resp: 430306

Ion Ratio Lower Upper

178 100

176 18.9 16.6 25.0

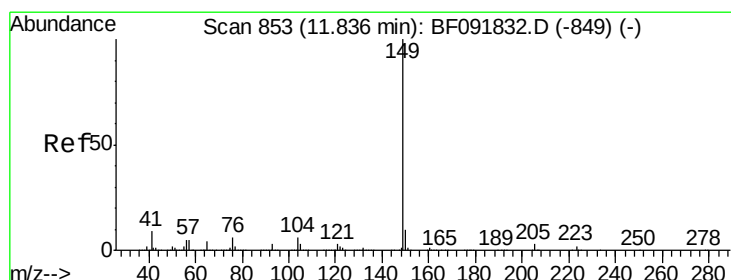
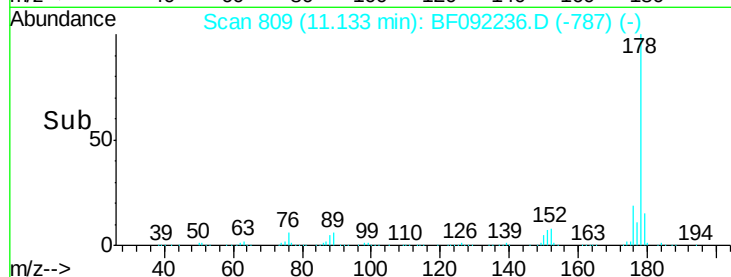
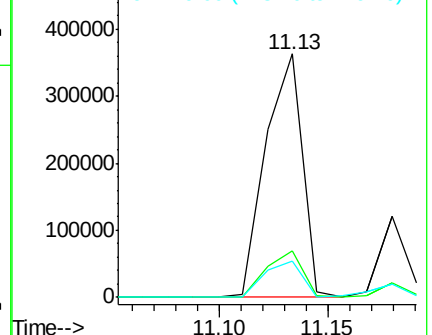
179 15.0 12.8 19.2



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



#73

Di-n-butylphthalate

Concen: Below Cal

RT: 11.68 min Scan# 857

Delta R.T. -0.05 min

Lab File: BF092236.D

Acq: 13 Jan 2017 5:43

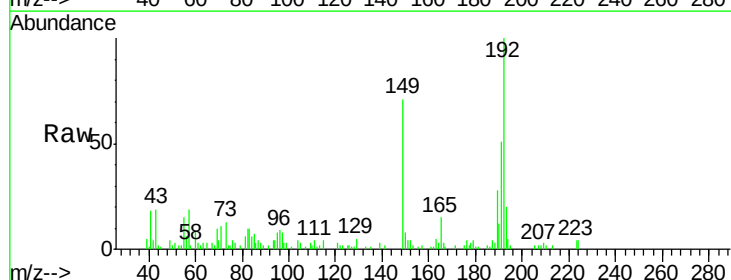
Tgt Ion:149 Resp: 19179

Ion Ratio Lower Upper

149 100

150 11.7 8.1 12.1

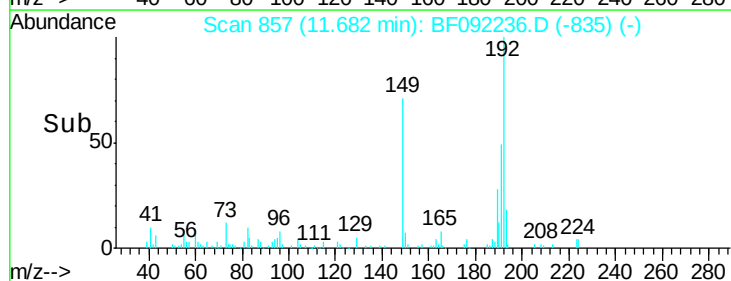
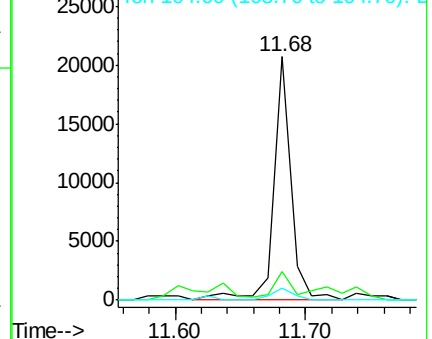
104 5.0 4.6 7.0

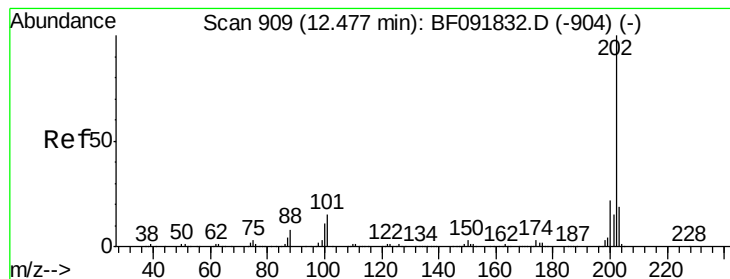


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 14.19 ng

RT: 12.31 min Scan# 912

Delta R.T. -0.06 min

Lab File: BF092236.D

Acq: 13 Jan 2017 5:43

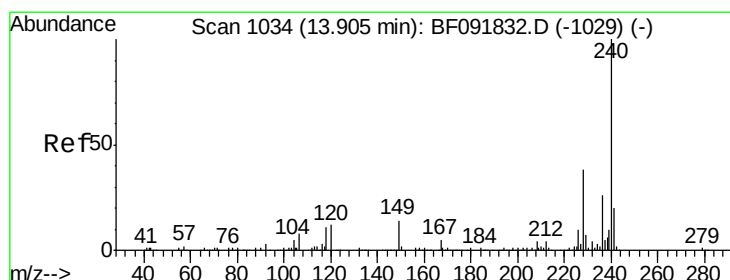
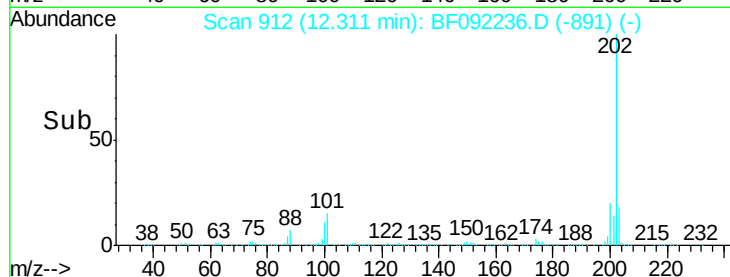
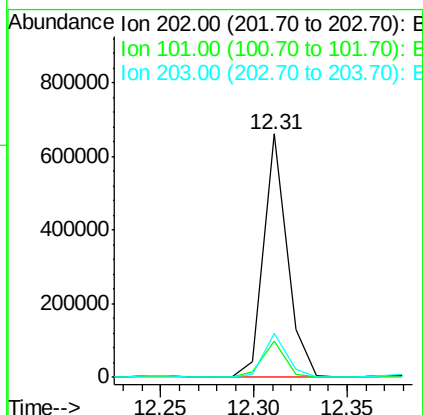
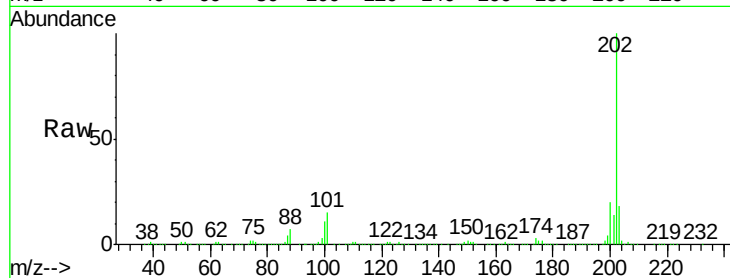
Instrument :

BNA_F

ClientSampleId :

P-19-11017

Tgt Ion:	202	Resp:	570987
Ion	Ratio	Lower	Upper
202	100		
101	14.7	0.0	34.6
203	17.9	0.0	38.7



#75

Chrysene-d12

Concen: 20.00 ng

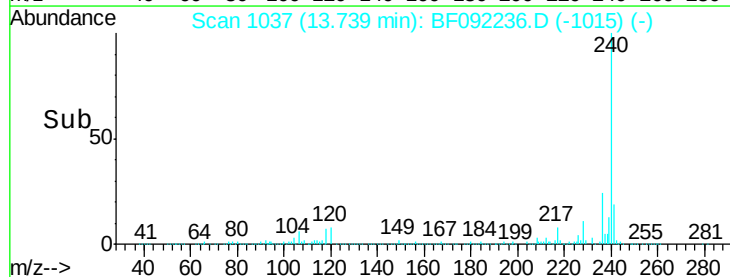
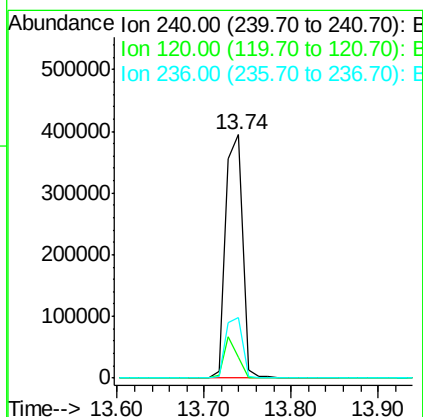
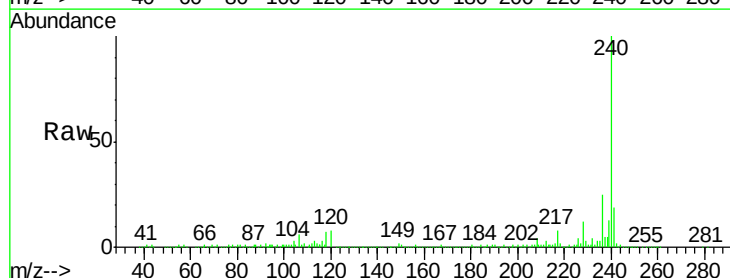
RT: 13.74 min Scan# 1037

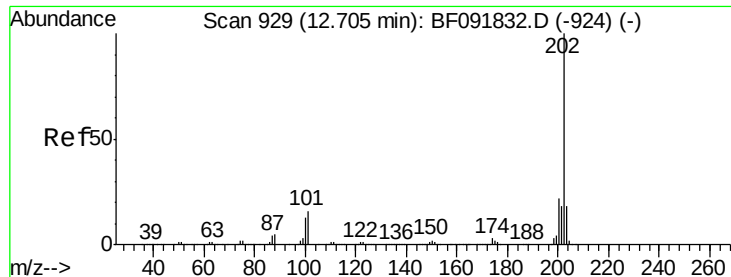
Delta R.T. -0.05 min

Lab File: BF092236.D

Acq: 13 Jan 2017 5:43

Tgt Ion:	240	Resp:	537319
Ion	Ratio	Lower	Upper
240	100		
120	8.5	12.9	19.3#
236	24.7	20.9	31.3





#77

Pyrene

Concen: 14.63 ng

RT: 12.54 min Scan# 932

Delta R.T. -0.05 min

Lab File: BF092236.D

Acq: 13 Jan 2017 5:43

Instrument :

BNA_F

ClientSampleId :

P-19-11017

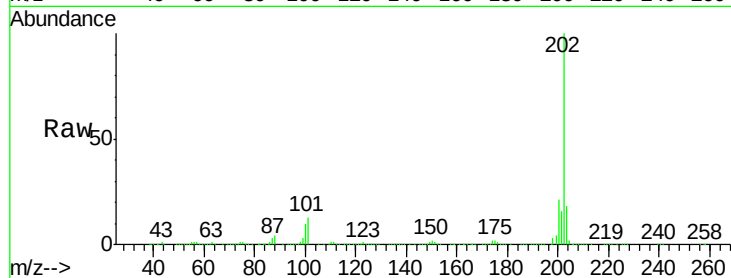
Tgt Ion:202 Resp: 576853

Ion Ratio Lower Upper

202 100

200 20.7 17.7 26.5

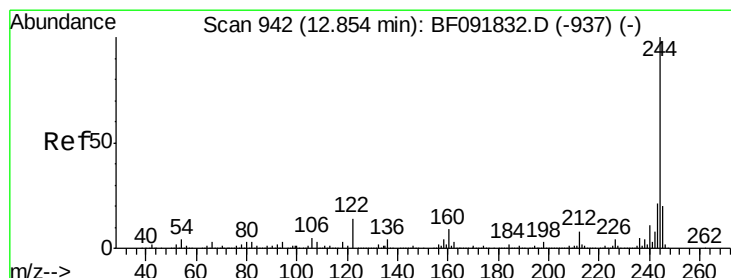
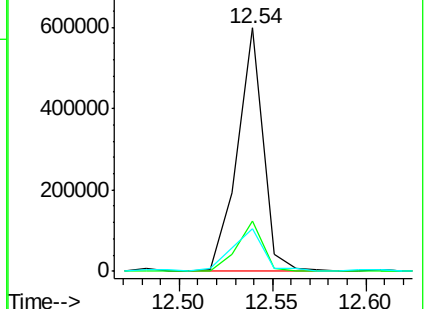
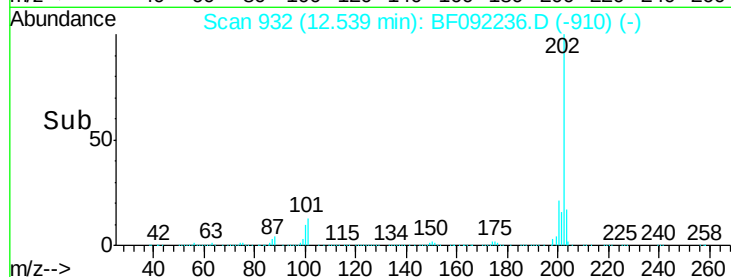
203 17.5 14.7 22.1



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: 82.56 ng

RT: 12.70 min Scan# 946

Delta R.T. -0.05 min

Lab File: BF092236.D

Acq: 13 Jan 2017 5:43

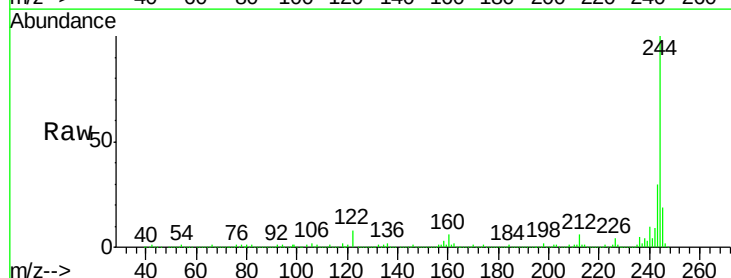
Tgt Ion:244 Resp: 1829010

Ion Ratio Lower Upper

244 100

212 6.4 6.2 9.2

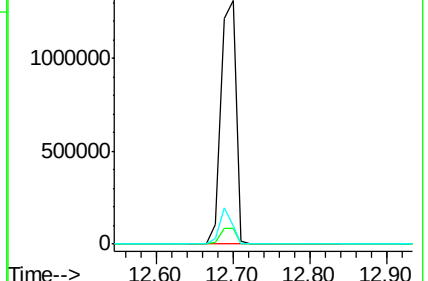
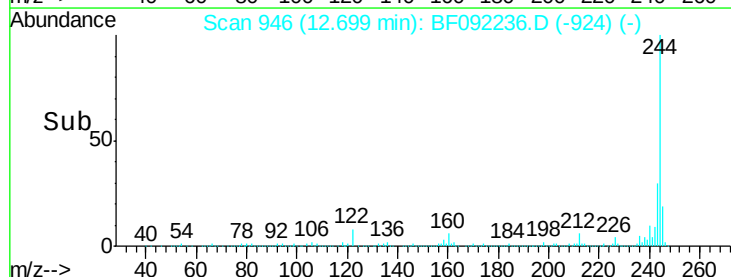
122 7.8 11.4 17.2#

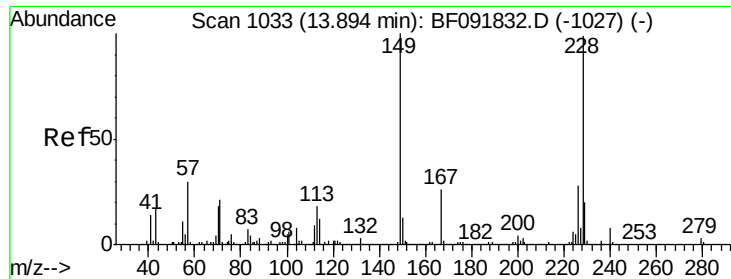


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

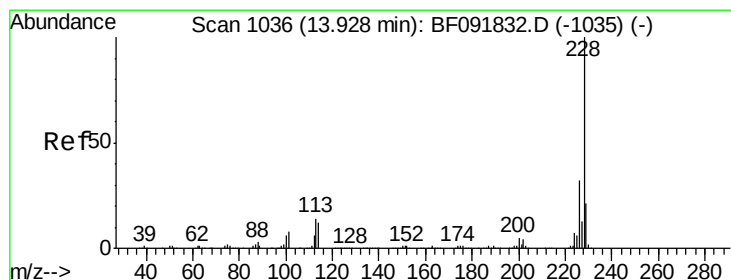
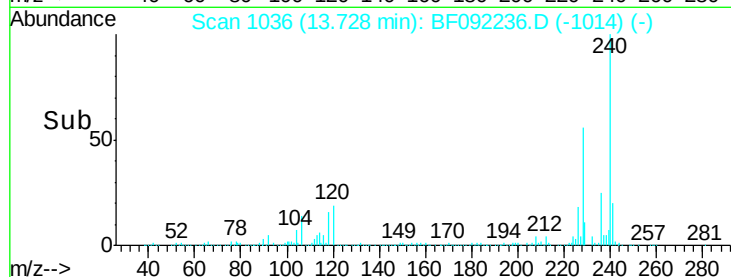
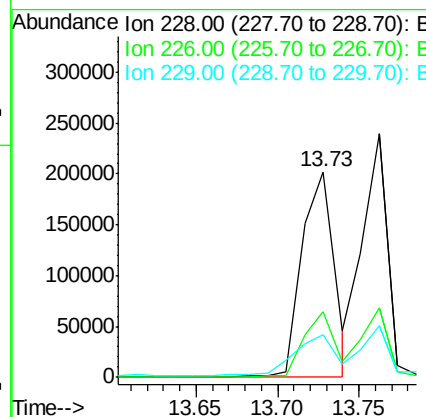
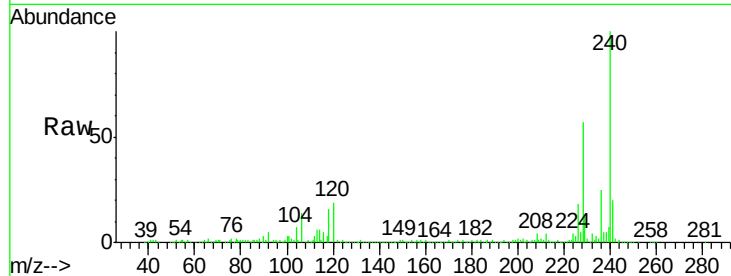




#80
Benzo(a)anthracene
Concen: 9.15 ng
RT: 13.73 min Scan# 1036
Delta R.T. -0.05 min
Lab File: BF092236.D
Acq: 13 Jan 2017 5:43

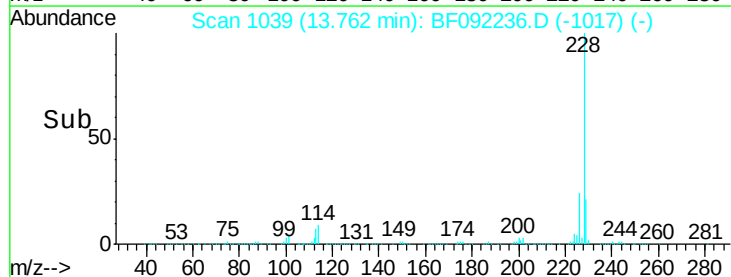
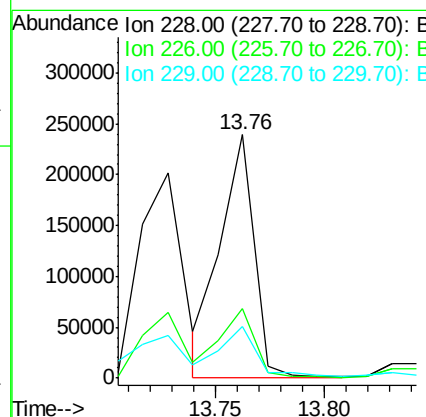
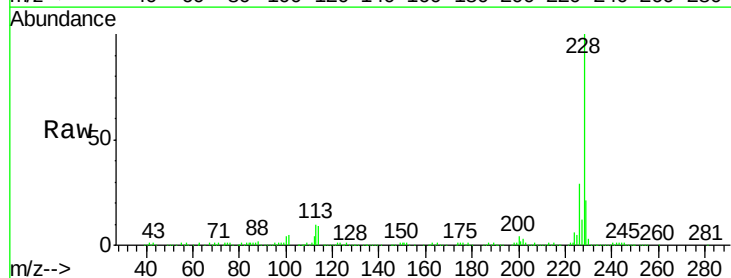
Instrument :
BNA_F
ClientSampleId :
P-19-11017

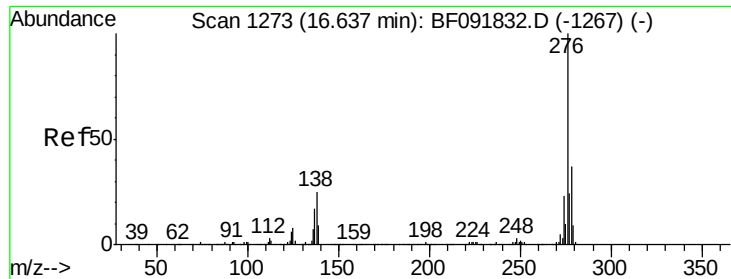
Tgt Ion: 228 Resp: 277630
Ion Ratio Lower Upper
228 100
226 31.9 22.4 33.6
229 20.5 16.2 24.4



#82
Chrysene
Concen: 8.44 ng
RT: 13.76 min Scan# 1039
Delta R.T. -0.05 min
Lab File: BF092236.D
Acq: 13 Jan 2017 5:43

Tgt Ion: 228 Resp: 256659
Ion Ratio Lower Upper
228 100
226 28.6 25.4 38.0
229 21.2 16.2 24.2

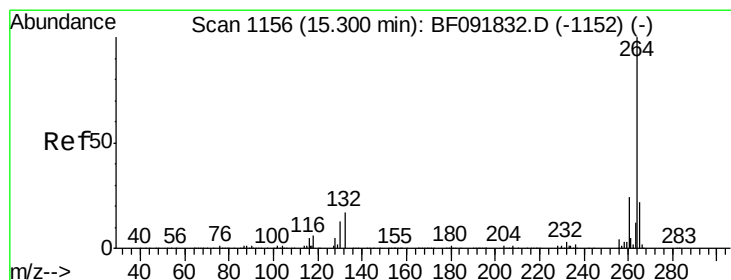
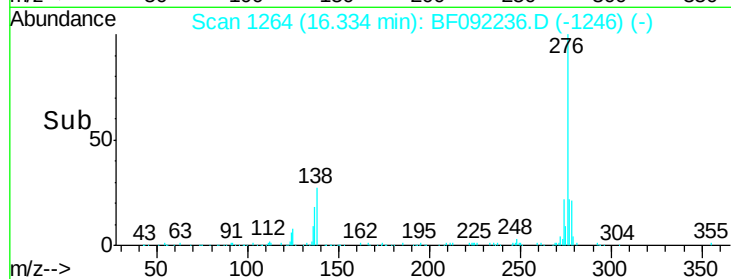
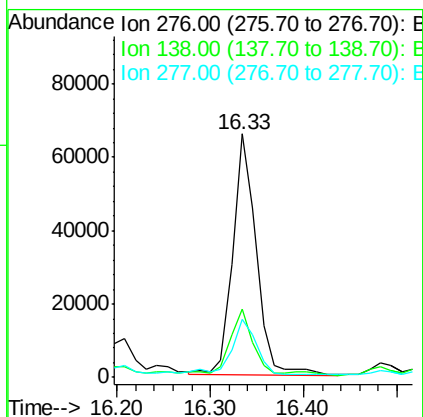
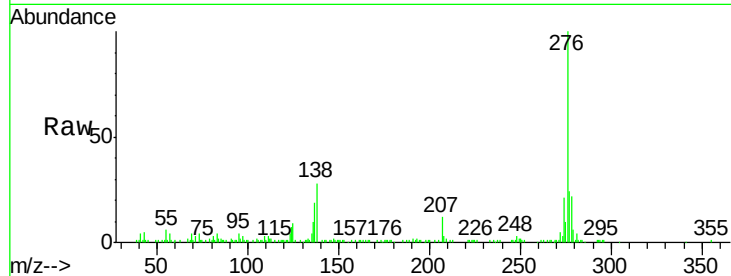




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.45 ng
 RT: 16.33 min Scan# 1264
 Delta R.T. -0.09 min
 Lab File: BF092236.D
 Acq: 13 Jan 2017 5:43

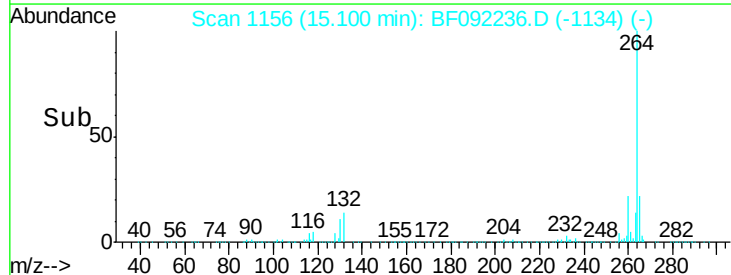
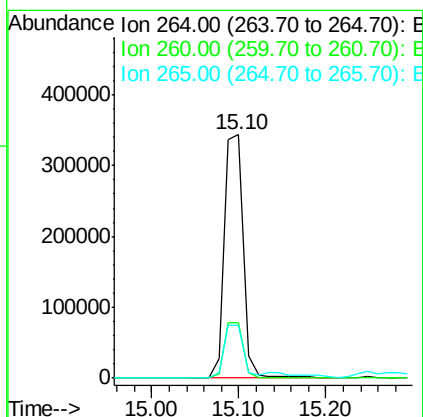
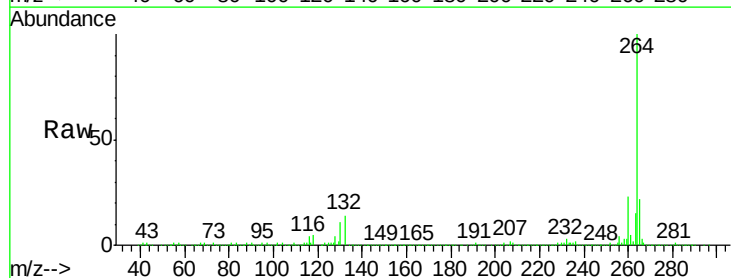
Instrument :
 BNA_F
 ClientSampleId :
 P-19-11017

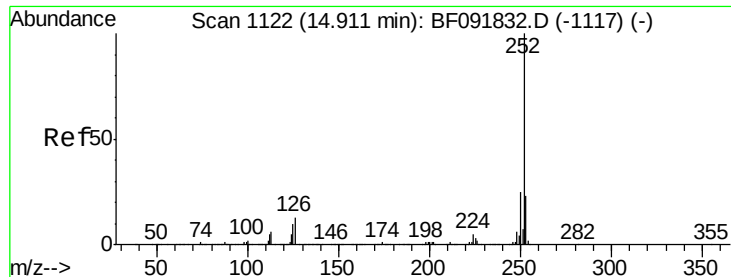
Tgt Ion: 276 Resp: 117255
 Ion Ratio Lower Upper
 276 100
 138 26.5 21.8 32.6
 277 26.3 20.2 30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.10 min Scan# 1156
 Delta R.T. -0.05 min
 Lab File: BF092236.D
 Acq: 13 Jan 2017 5:43

Tgt Ion: 264 Resp: 520649
 Ion Ratio Lower Upper
 264 100
 260 22.6 19.2 28.8
 265 21.9 17.4 26.0

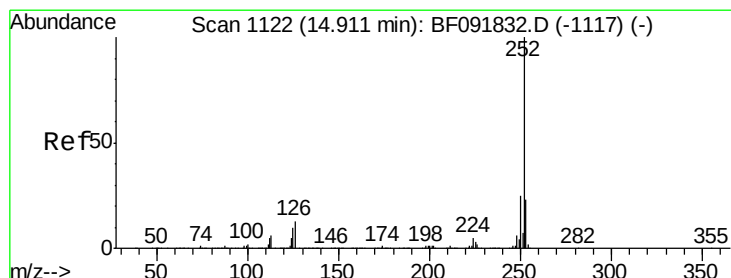
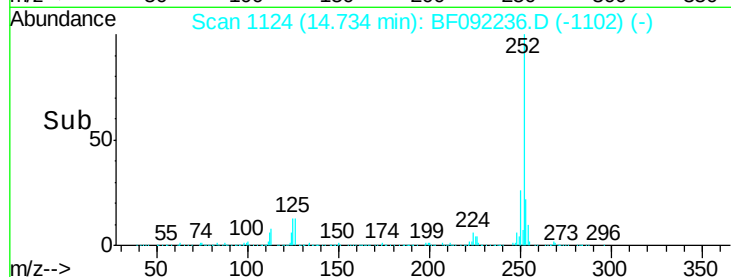
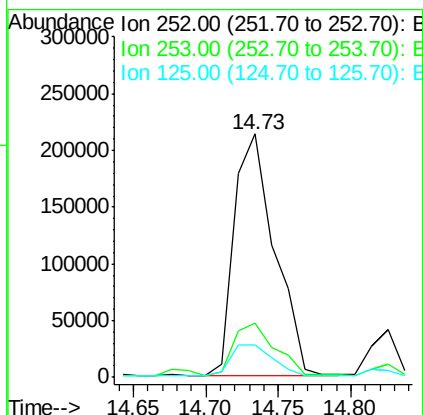
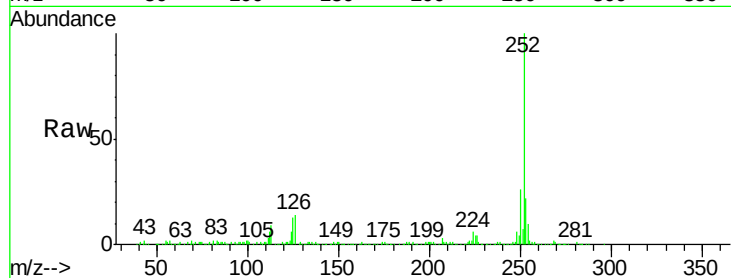




#87
Benzo(b)fluoranthene
Concen: 12.64 ng
RT: 14.73 min Scan# 1124
Delta R.T. -0.05 min
Lab File: BF092236.D
Acq: 13 Jan 2017 5:43

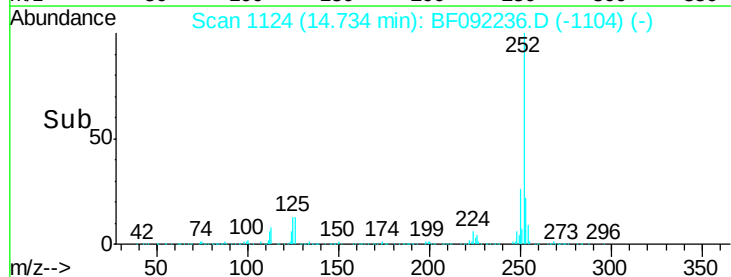
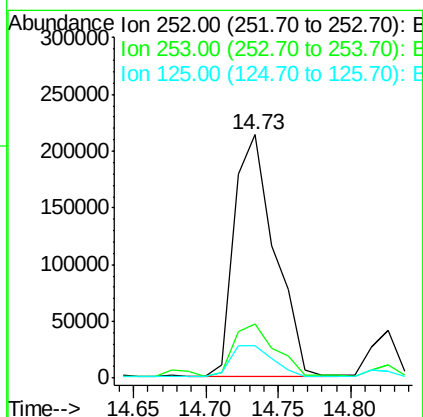
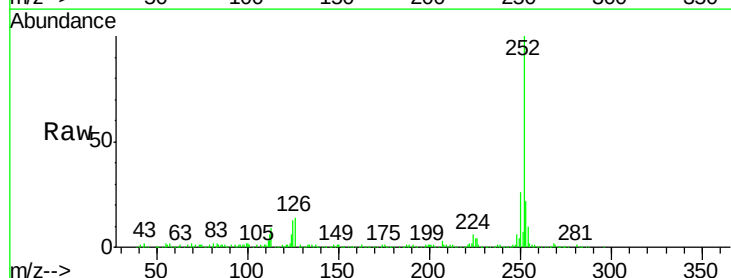
Instrument :
BNA_F
ClientSampleId :
P-19-11017

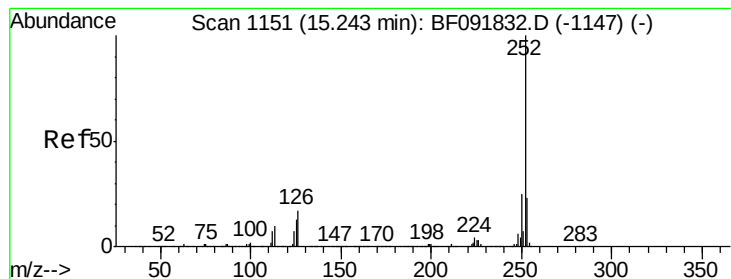
Tgt Ion:252 Resp: 409831
Ion Ratio Lower Upper
252 100
253 22.3 18.2 27.4
125 13.3 9.8 14.6



#88
Benzo(k)fluoranthene
Concen: 14.78 ng
RT: 14.73 min Scan# 1124
Delta R.T. -0.07 min
Lab File: BF092236.D
Acq: 13 Jan 2017 5:43

Tgt Ion:252 Resp: 408538
Ion Ratio Lower Upper
252 100
253 22.3 18.5 27.7
125 13.3 8.9 13.3





#89

Benzo(a)pyrene

Concen: 7.81 ng

RT: 15.04 min Scan# 1151

Delta R.T. -0.06 min

Lab File: BF092236.D

Acq: 13 Jan 2017 5:43

Instrument :

BNA_F

ClientSampleId :

P-19-11017

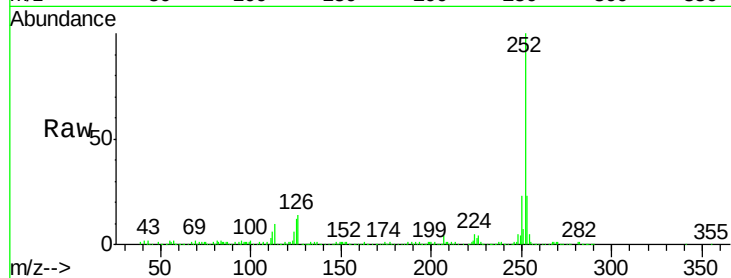
Tgt Ion: 252 Resp: 224829

Ion Ratio Lower Upper

252 100

253 23.4 18.2 27.2

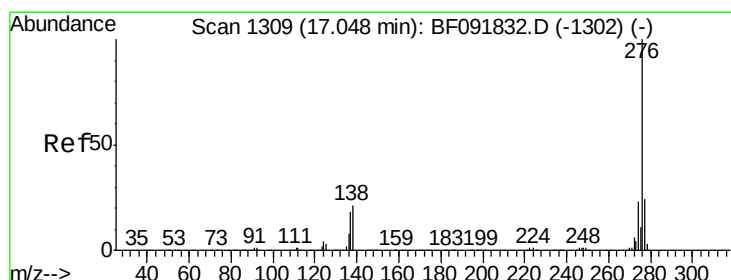
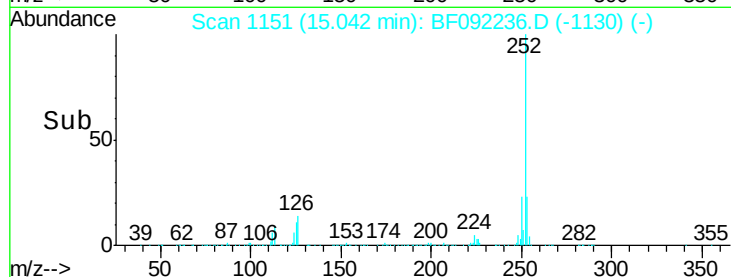
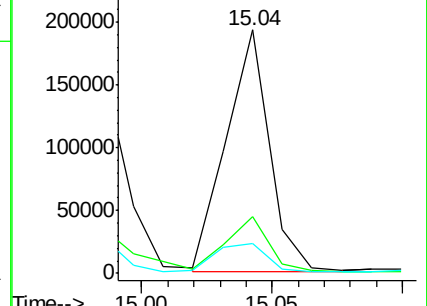
125 12.1 10.0 15.0



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



#91

Benzo(g,h,i)perylene

Concen: 4.46 ng

RT: 16.71 min Scan# 1297

Delta R.T. -0.09 min

Lab File: BF092236.D

Acq: 13 Jan 2017 5:43

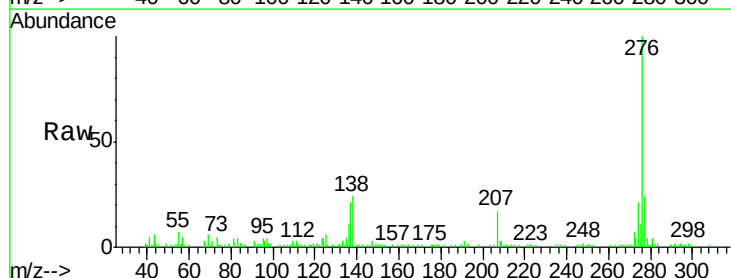
Tgt Ion: 276 Resp: 109723

Ion Ratio Lower Upper

276 100

277 23.9 19.2 28.8

138 24.0 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

