

Data File : BF111460.D
Acq On : 15 Dec 2018 11:22
Operator : JU/SJ
Sample : J6208-05
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2

Quant Time: Dec 16 00:40:47 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 14 13:26:17 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	159690	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	643546	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	289132	20.00	ng	0.00
64) Phenanthrene-d10	11.31	188	444800	20.00	ng	0.00
76) Chrysene-d12	13.95	240	319713	20.00	ng	0.00
87) Perylene-d12	15.39	264	319302	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	903908	94.19	ng	0.00
7) Phenol-d6	6.44	99	1168918	91.57	ng	0.00
23) Nitrobenzene-d5	7.35	82	725461	67.13	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	201918	77.96	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1102150	58.88	ng	0.00
79) Terphenyl-d14	12.90	244	682550	50.13	ng	0.00

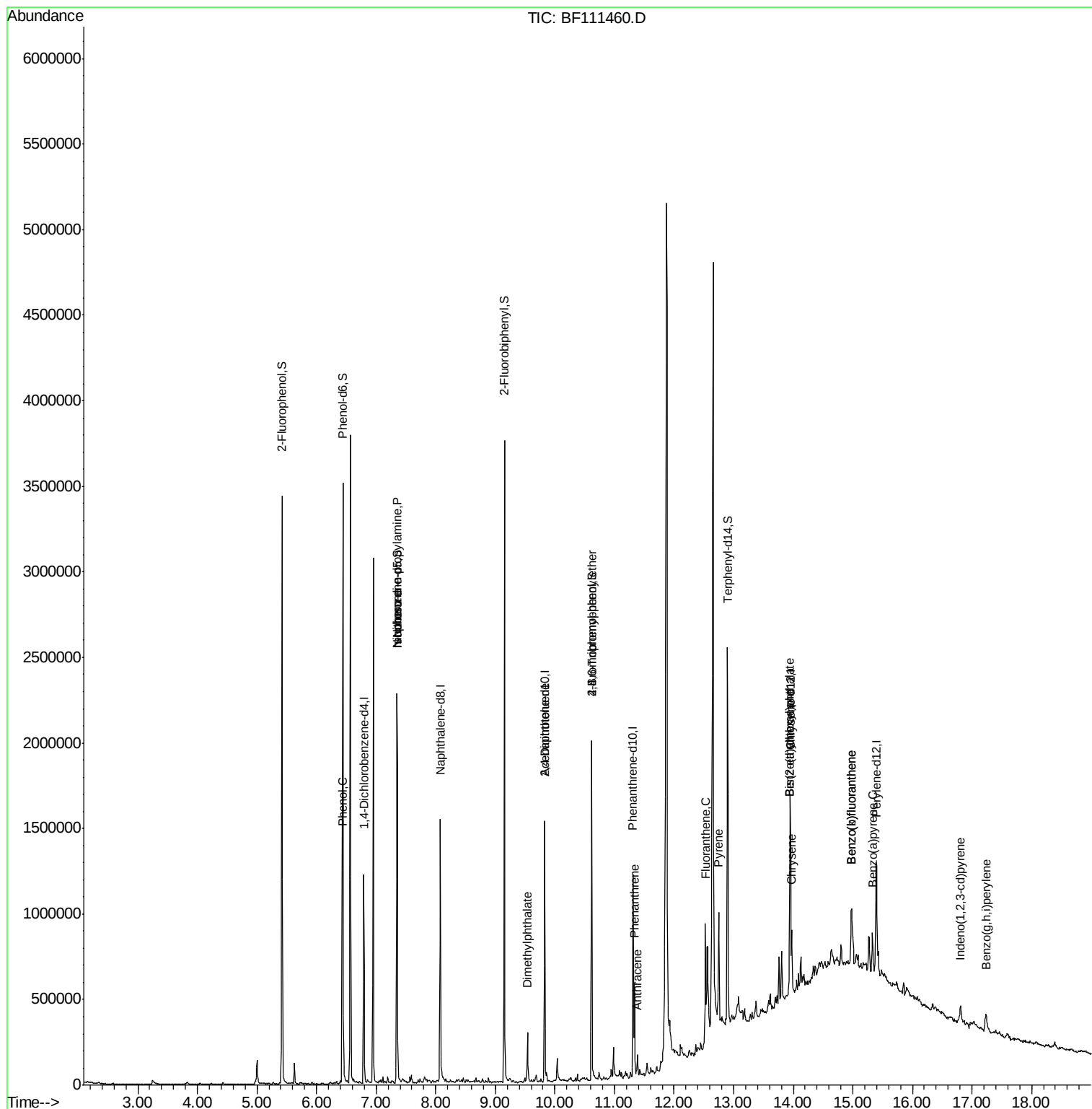
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.45	94	90830	6.388	ng	91
19) n-Nitroso-di-n-propylamine	7.35	70	96874	11.503	ng	# 78
25) Isophorone	7.35	82	725454	39.673	ng	# 64
50) Dimethylphthalate	9.55	163	119031	5.716	ng	97
57) 2,4-Dinitrotoluene	9.83	165	37393	6.078	ng	# 25
67) 4-Bromophenyl-phenylether	10.62	248	12745	2.659	ng	# 1
71) Phenanthrene	11.33	178	185861	8.109	ng	95
72) Anthracene	11.39	178	47107	2.010	ng	95
75) Fluoranthene	12.53	202	290294	12.947	ng	94
78) Pyrene	12.75	202	263252	11.679	ng	96
81) Benzo(a)anthracene	13.94	228	132864	7.643	ng	96
83) Chrysene	13.97	228	132146	7.216	ng	95
84) Bis(2-ethylhexyl)phthalate	13.94	149	42185	3.006	ng	98
86) Indeno(1,2,3-cd)pyrene	16.81	276	69847	5.285	ng	92
88) Benzo(b)fluoranthene	14.97	252	241393	12.967	ng	# 97
89) Benzo(k)fluoranthene	14.97	252	241393	13.571	ng	# 96
90) Benzo(a)pyrene	15.33	252	120180	7.159	ng	99
92) Benzo(g,h,i)perylene	17.23	276	76861	5.913	ng	97

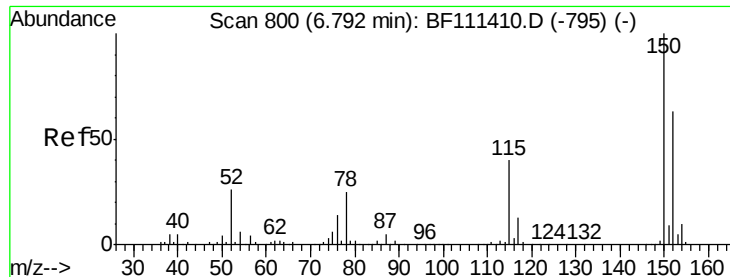
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : BF111460.D
Acq On : 15 Dec 2018 11:22
Operator : JU/SJ
Sample : J6208-05
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
TP-2

Quant Time: Dec 16 00:40:47 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 14 13:26:17 2018
Response via : Initial Calibration

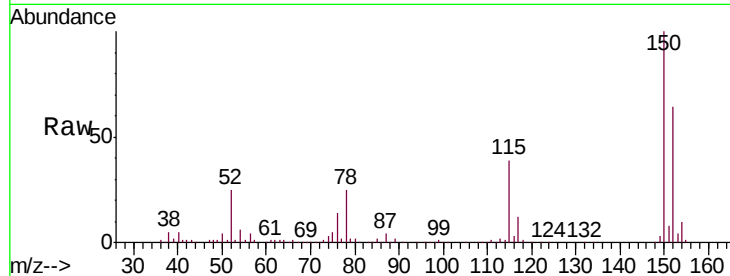




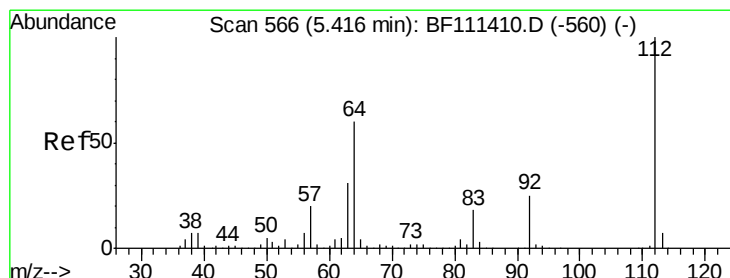
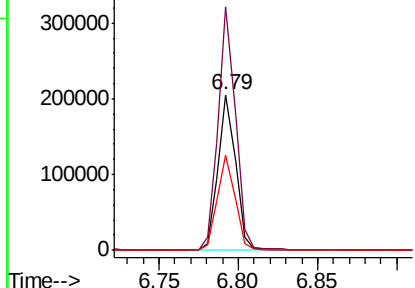
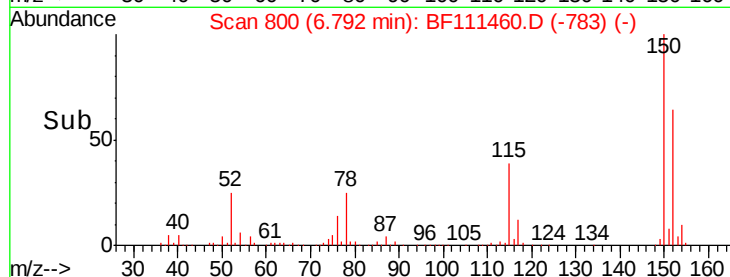
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 800
 Delta R.T. -0.00 min
 Lab File: BF111460.D
 Acq: 15 Dec 2018 11:22

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Tgt Ion:152 Resp: 159690
 Ion Ratio Lower Upper
 152 100
 150 156.4 126.6 189.8
 115 60.9 50.7 76.1

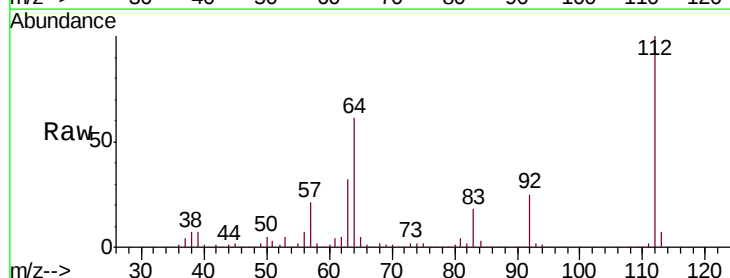


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

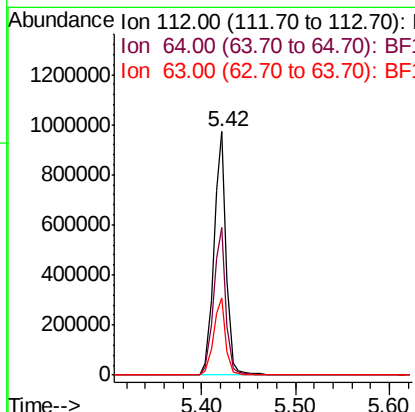
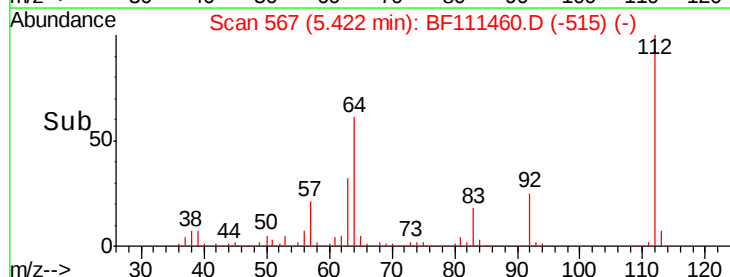


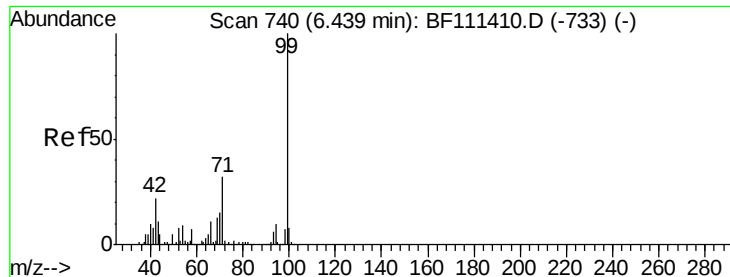
#5
 2-Fluorophenol
 Concen: 94.192 ng
 RT: 5.42 min Scan# 567
 Delta R.T. 0.01 min
 Lab File: BF111460.D
 Acq: 15 Dec 2018 11:22

Tgt Ion:112 Resp: 903908
 Ion Ratio Lower Upper
 112 100
 64 60.5 51.8 77.6
 63 31.6 26.8 40.2



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF1
 Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 91.573 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.00 min

Lab File: BF111460.D

Acq: 15 Dec 2018 11:22

Instrument :

BNA_F

ClientSampleId :

TP-2

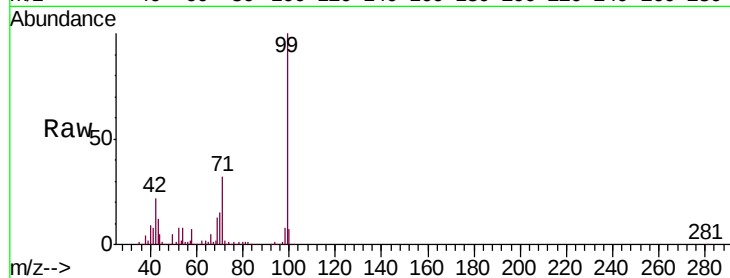
Tgt Ion: 99 Resp: 1168918

Ion Ratio Lower Upper

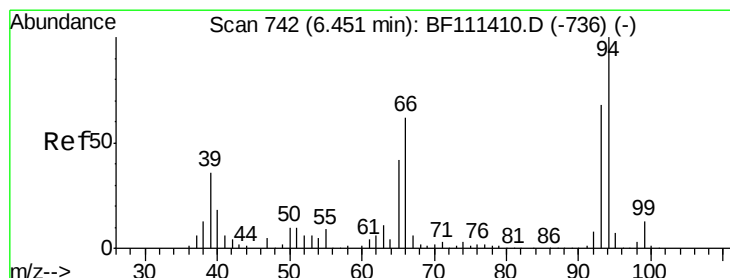
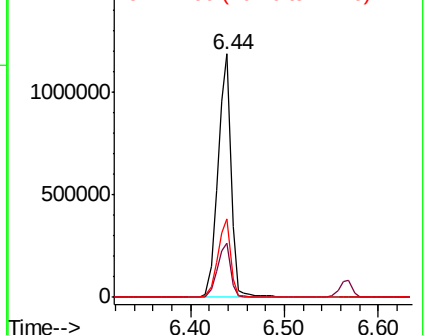
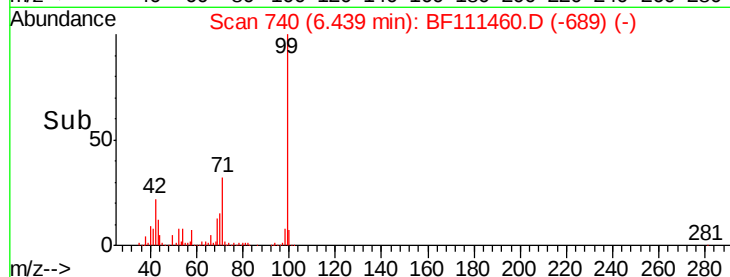
99 100

42 22.2 17.4 26.0

71 32.3 26.1 39.1



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 6.388 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.00 min

Lab File: BF111460.D

Acq: 15 Dec 2018 11:22

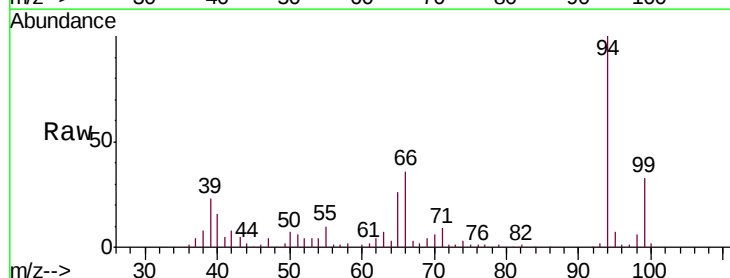
Tgt Ion: 94 Resp: 90830

Ion Ratio Lower Upper

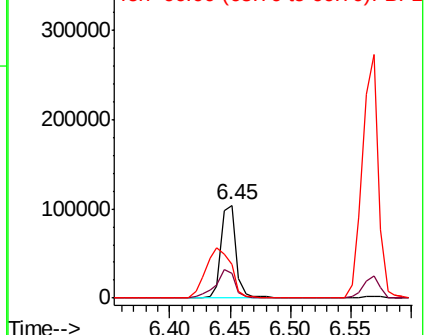
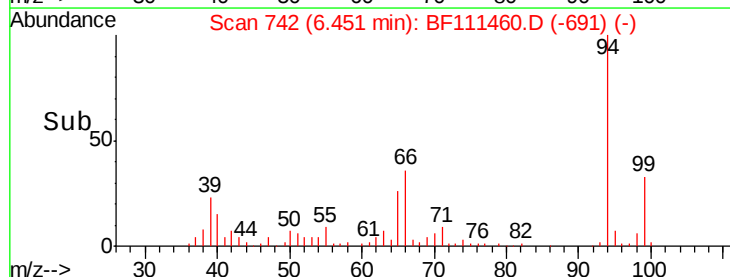
94 100

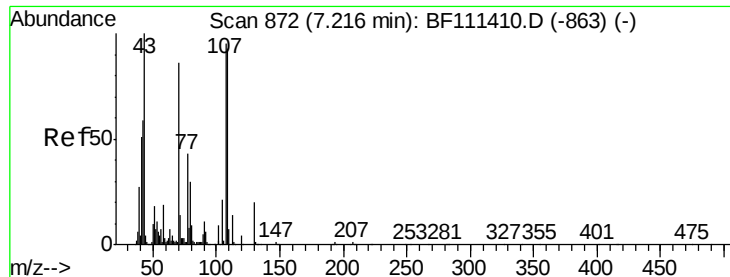
65 26.0 11.7 51.7

66 36.2 21.0 61.0



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

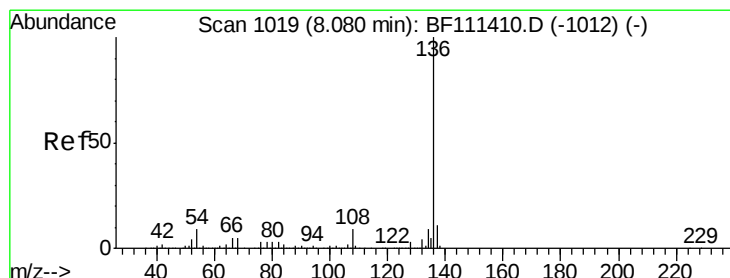
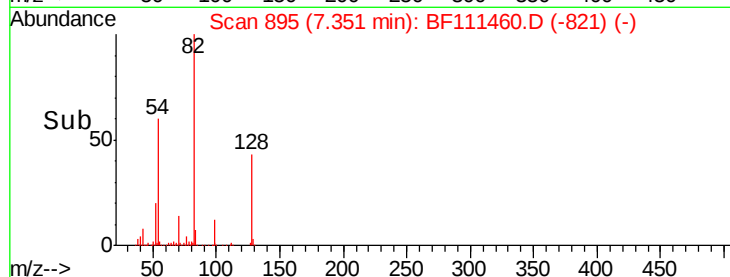
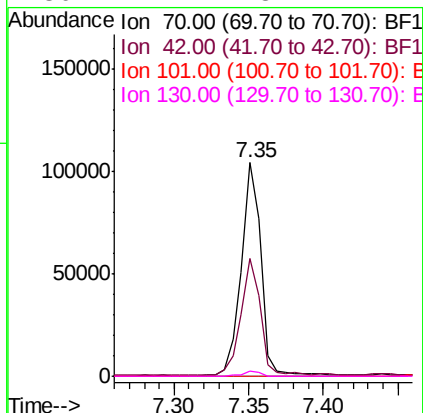
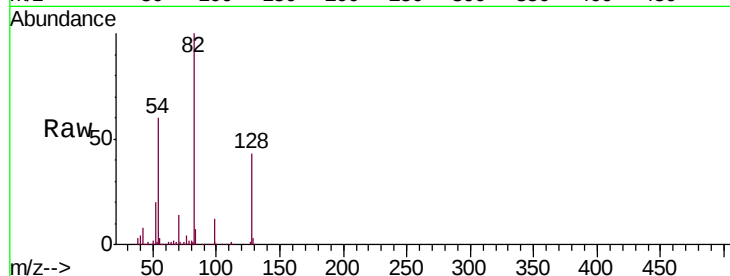




#19
n-Nitroso-di-n-propylamine
Concen: 11.503 ng
RT: 7.35 min Scan# 895
Delta R.T. 0.14 min
Lab File: BF111460.D
Acq: 15 Dec 2018 11:22

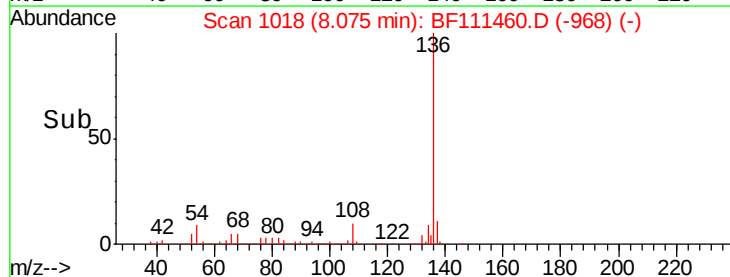
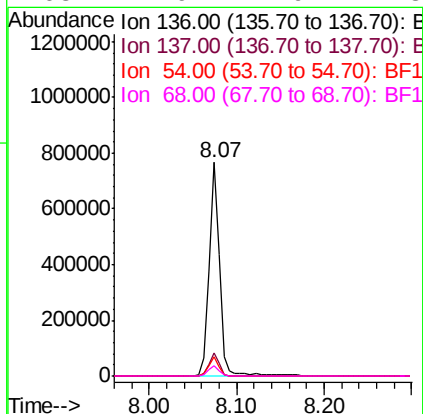
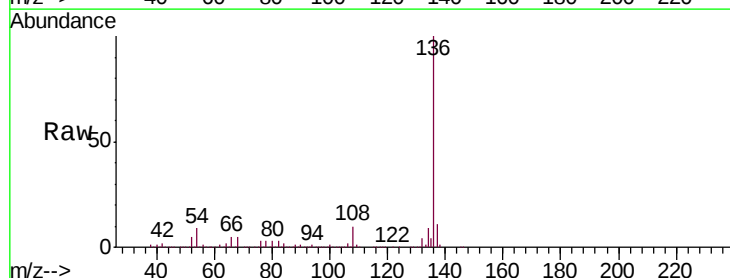
Instrument :
BNA_F
ClientSampleId :
TP-2

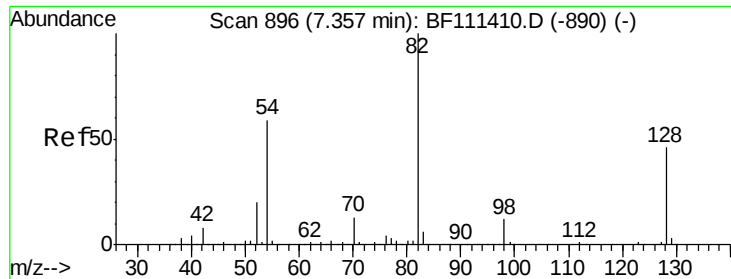
Tgt Ion:	70	Resp:	96874
Ion	Ratio	Lower	Upper
70	100		
42	55.4	53.2	79.8
101	0.0	8.2	12.4#
130	2.2	18.1	27.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF111460.D
Acq: 15 Dec 2018 11:22

Tgt Ion:	136	Resp:	643546
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.1	13.7
54	9.0	7.7	11.5
68	4.9	4.9	7.3

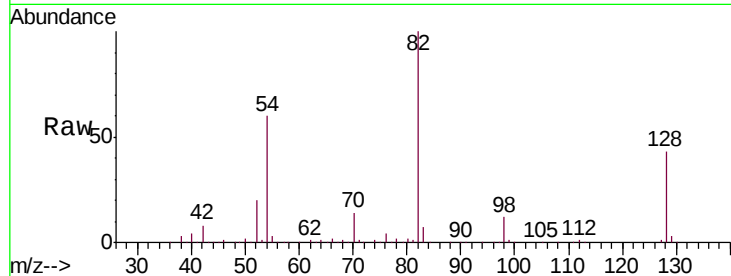




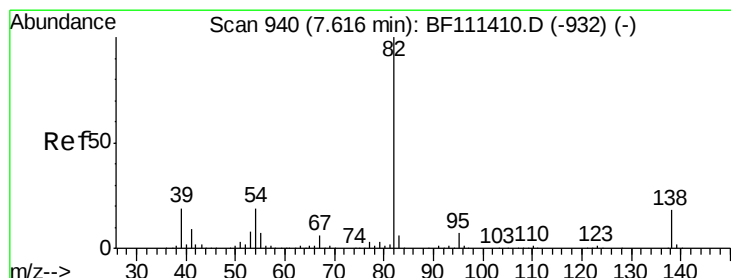
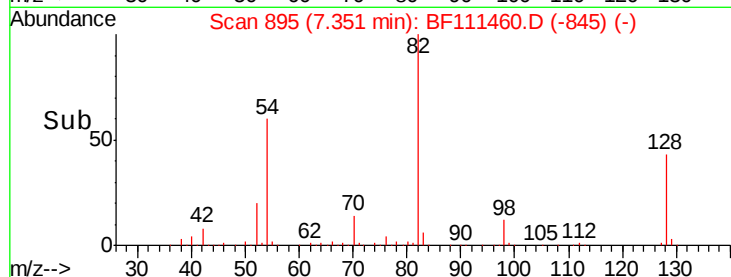
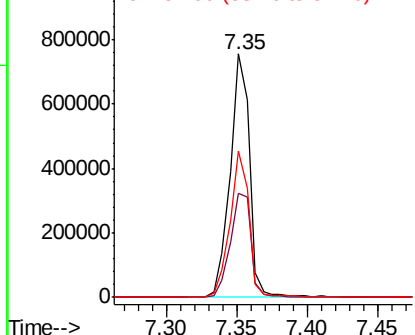
#23
 Nitrobenzene-d5
 Concen: 67.128 ng
 RT: 7.35 min Scan# 895
 Delta R.T. -0.01 min
 Lab File: BF111460.D
 Acq: 15 Dec 2018 11:22

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Tgt Ion: 82 Resp: 725461
 Ion Ratio Lower Upper
 82 100
 128 42.9 37.4 56.2
 54 60.0 47.6 71.4

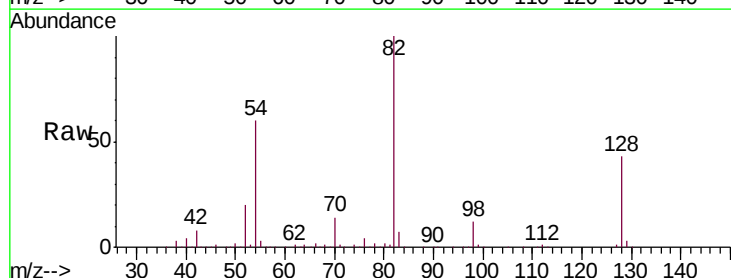


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

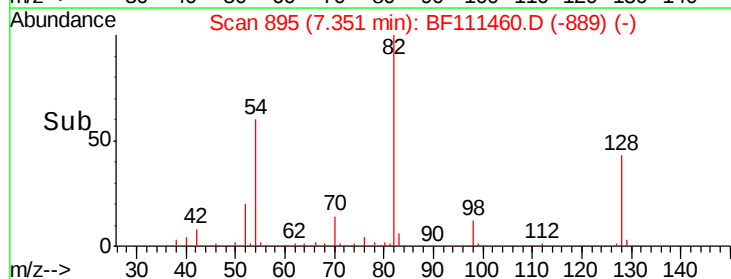
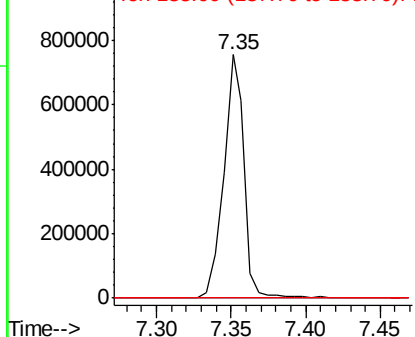


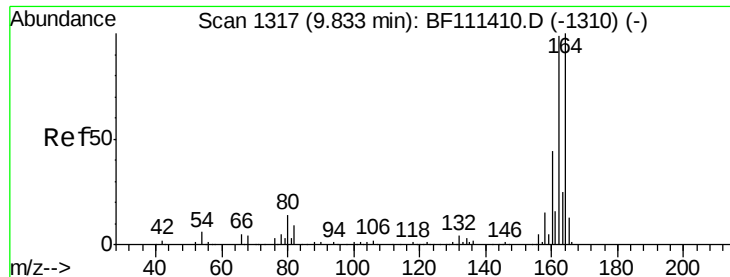
#25
 Isophorone
 Concen: 39.673 ng
 RT: 7.35 min Scan# 895
 Delta R.T. -0.26 min
 Lab File: BF111460.D
 Acq: 15 Dec 2018 11:22

Tgt Ion: 82 Resp: 725454
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.4 8.2#
 138 0.0 15.1 22.7#



Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 95.00 (94.70 to 95.70): BF1
 Ion 138.00 (137.70 to 138.70): BF1

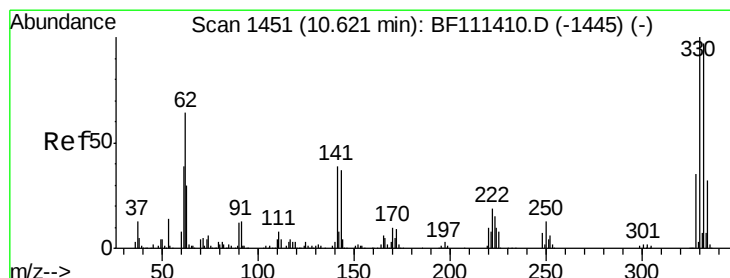
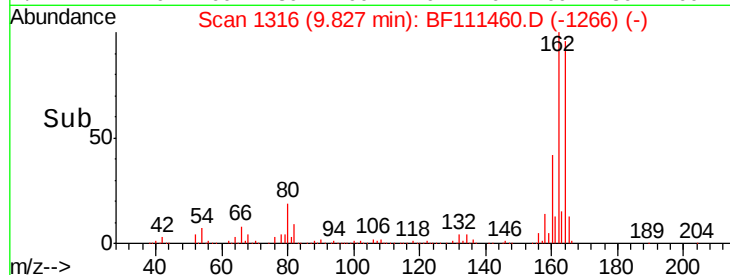
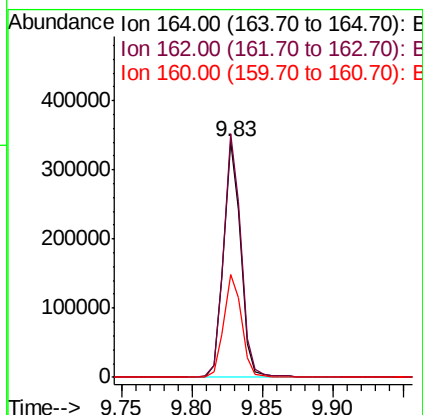
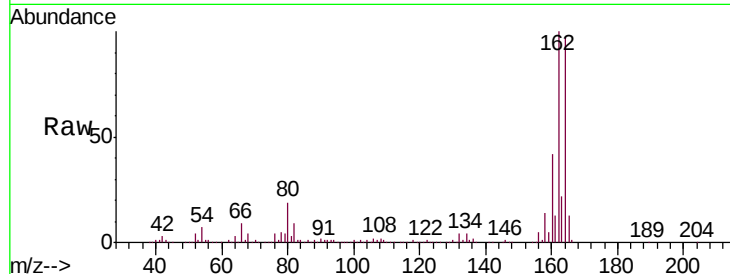




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.01 min
 Lab File: BF111460.D
 Acq: 15 Dec 2018 11:22

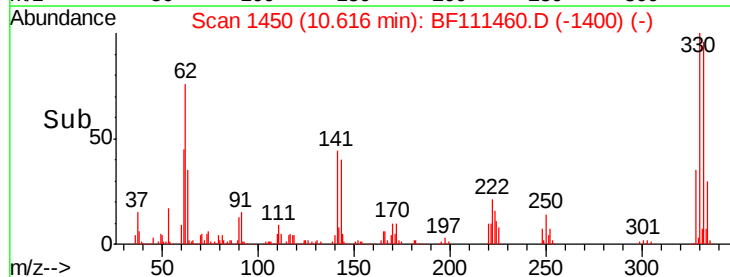
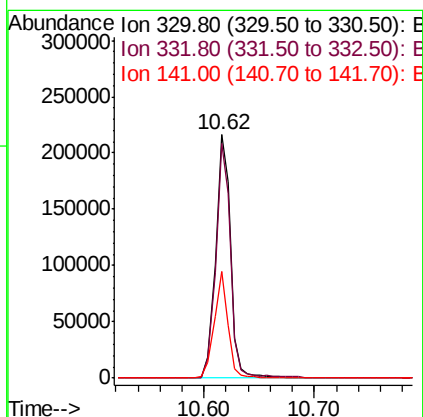
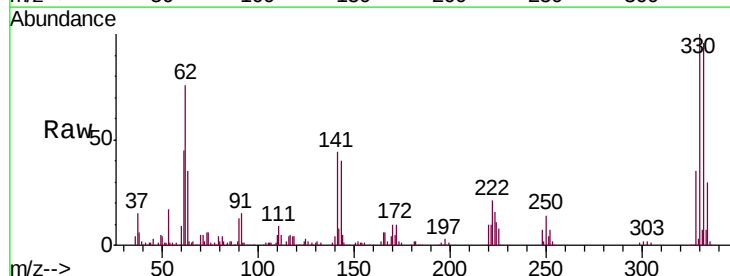
Instrument :
 BNA_F
 ClientSampleId :
 TP-2

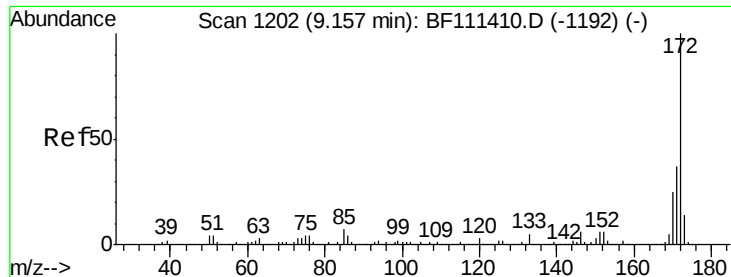
Tgt Ion:164 Resp: 289132
 Ion Ratio Lower Upper
 164 100
 162 103.3 81.4 122.0
 160 43.4 35.7 53.5



#42
 2,4,6-Tribromophenol
 Concen: 77.960 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.01 min
 Lab File: BF111460.D
 Acq: 15 Dec 2018 11:22

Tgt Ion:330 Resp: 201918
 Ion Ratio Lower Upper
 330 100
 332 94.9 76.0 114.0
 141 39.9 31.0 46.6

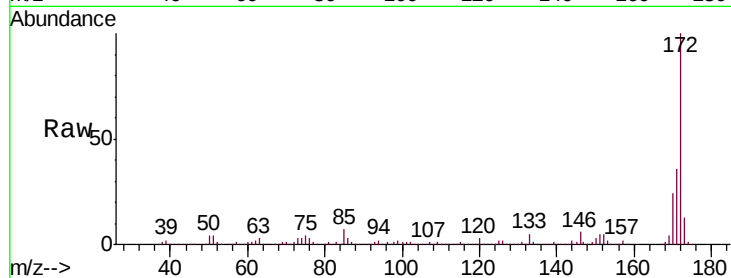




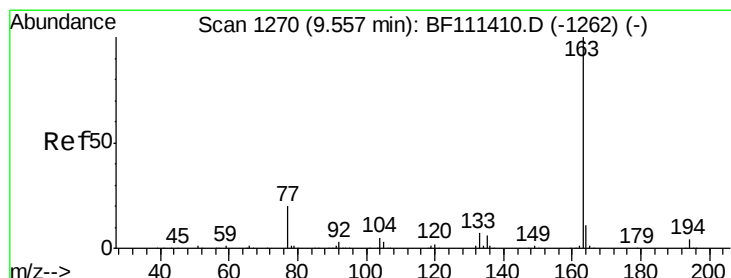
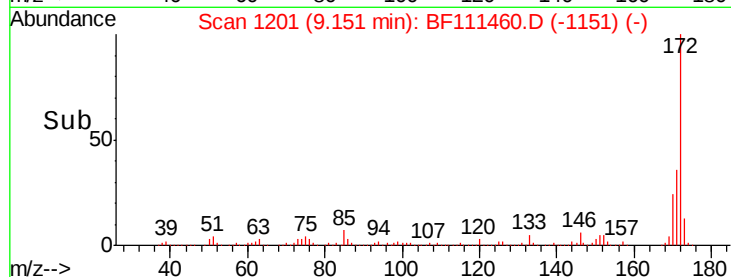
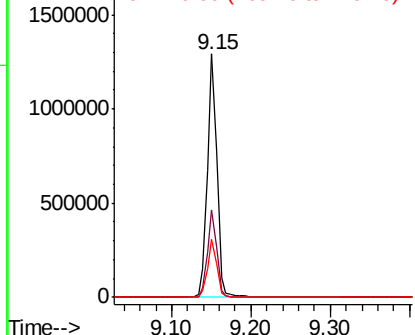
#45
2-Fluorobiphenyl
Concen: 58.880 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.01 min
Lab File: BF111460.D
Acq: 15 Dec 2018 11:22

Instrument :
BNA_F
ClientSampleId :
TP-2

Tgt Ion:172 Resp: 1102150
Ion Ratio Lower Upper
172 100
171 35.7 33.0 49.4
170 23.6 22.3 33.5

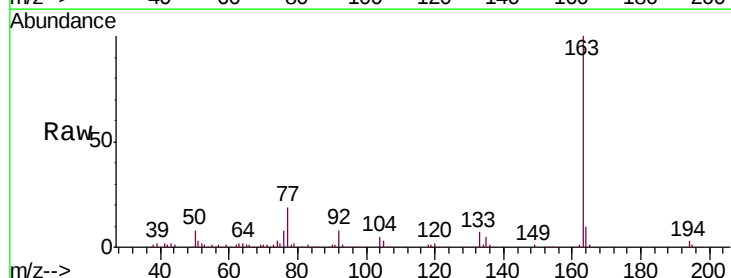


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

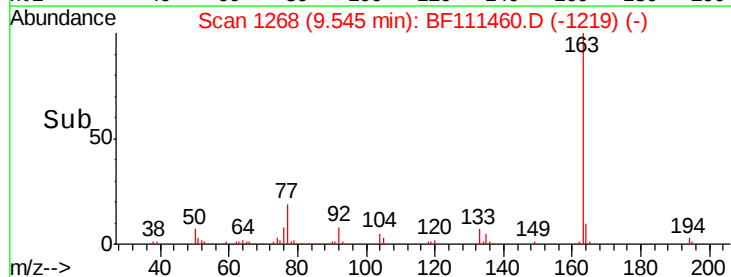
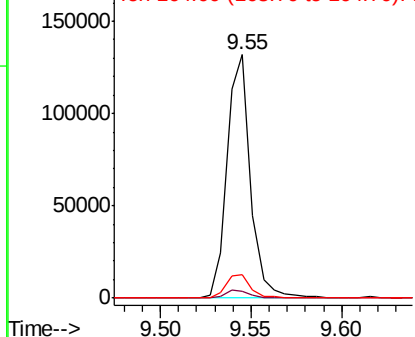


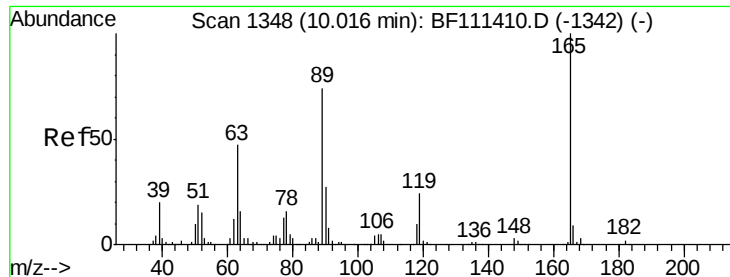
#50
Dimethylphthalate
Concen: 5.716 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BF111460.D
Acq: 15 Dec 2018 11:22

Tgt Ion:163 Resp: 119031
Ion Ratio Lower Upper
163 100
194 3.1 3.0 4.6
164 9.8 8.9 13.3



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

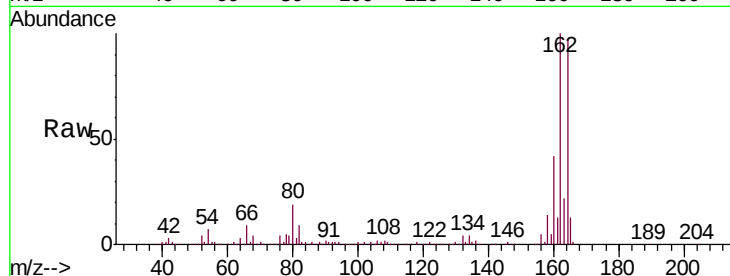




#57
 2,4-Dinitrotoluene
 Concen: 6.078 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.19 min
 Lab File: BF111460.D
 Acq: 15 Dec 2018 11:22

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	34.6	52.0#
89	1.8	56.2	84.4#
182	0.0	1.8	2.6#

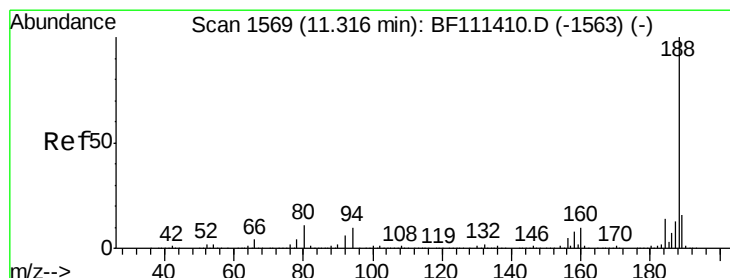
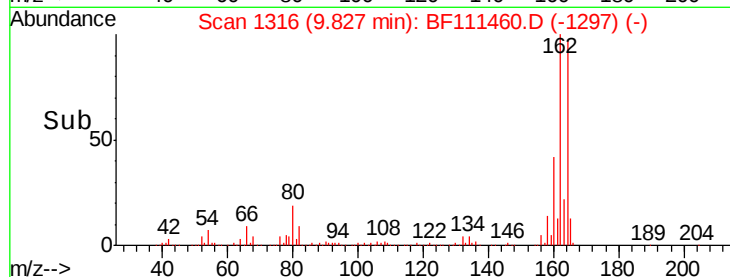
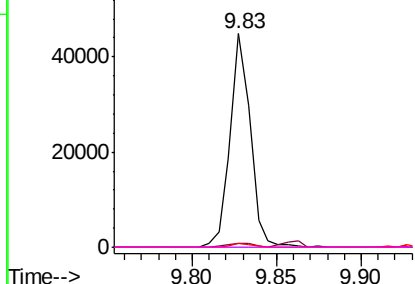


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

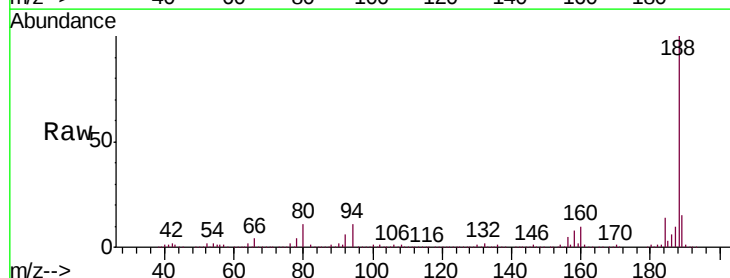
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.31 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: BF111460.D
 Acq: 15 Dec 2018 11:22

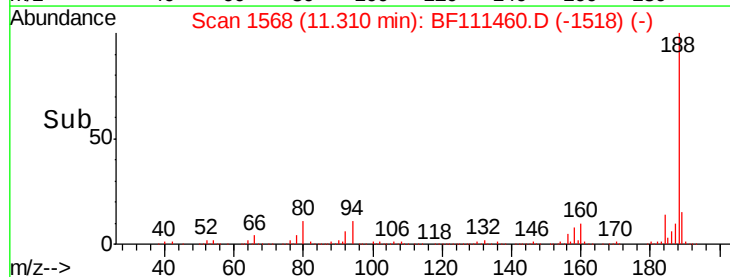
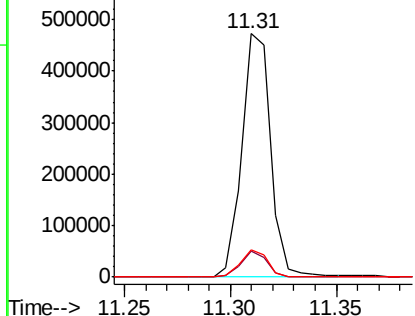
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.7	9.6	14.4
80	11.1	9.8	14.6

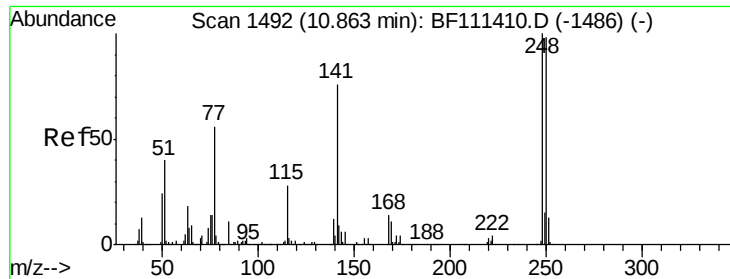


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

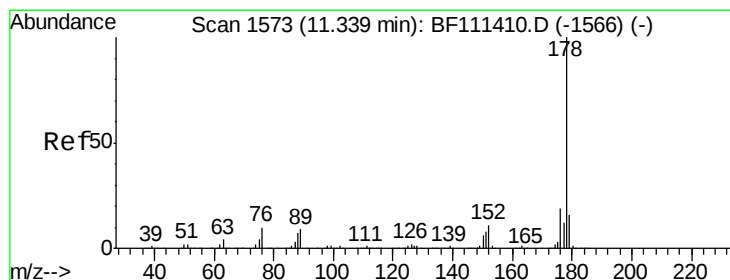
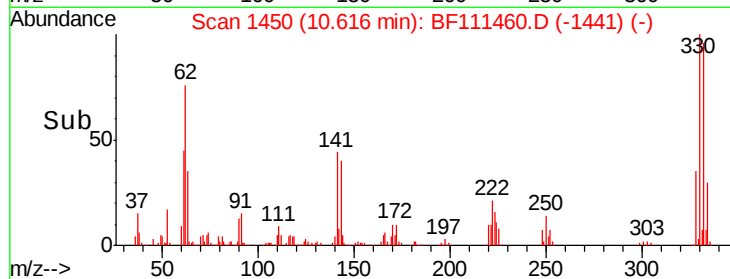
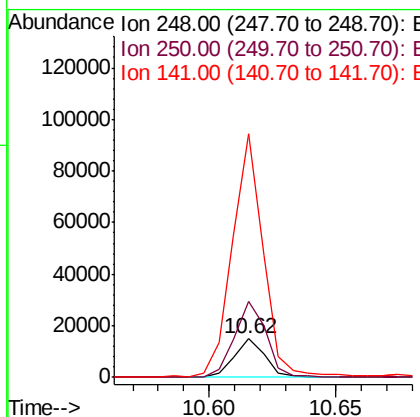
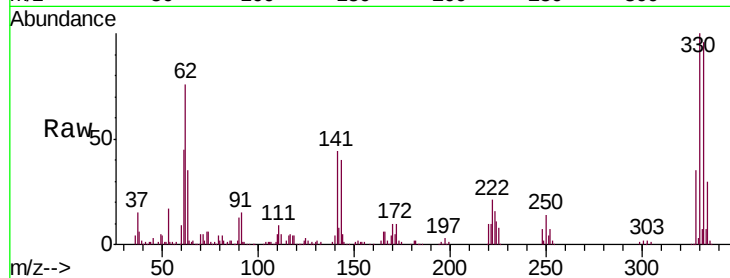




#67
 4-Bromophenyl-phenylether
 Concen: 2.659 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.25 min
 Lab File: BF111460.D
 Acq: 15 Dec 2018 11:22

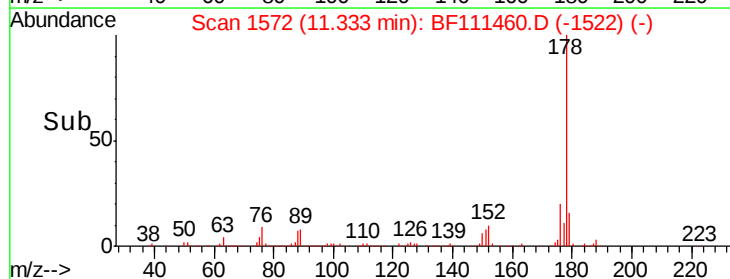
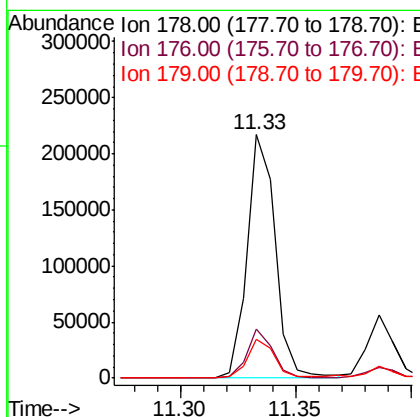
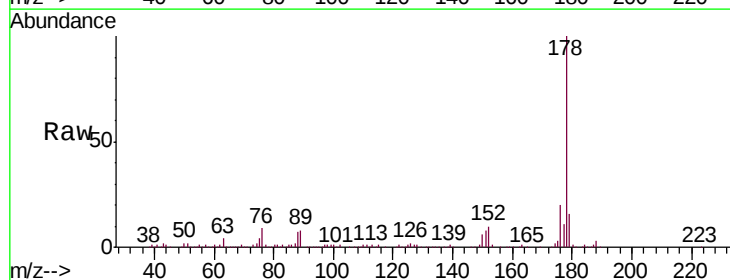
Instrument :
 BNA_F
 ClientSampleId :
 TP-2

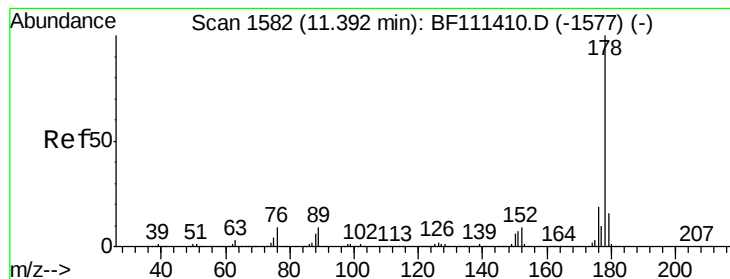
Tgt Ion:248 Resp: 12745
 Ion Ratio Lower Upper
 248 100
 250 196.9 77.0 115.4#
 141 627.7 63.0 94.6#



#71
 Phenanthrene
 Concen: 8.109 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BF111460.D
 Acq: 15 Dec 2018 11:22

Tgt Ion:178 Resp: 185861
 Ion Ratio Lower Upper
 178 100
 176 20.1 18.1 27.1
 179 15.8 14.0 21.0





#72

Anthracene

Concen: 2.010 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF111460.D

Acq: 15 Dec 2018 11:22

Instrument :

BNA_F

ClientSampleId :

TP-2

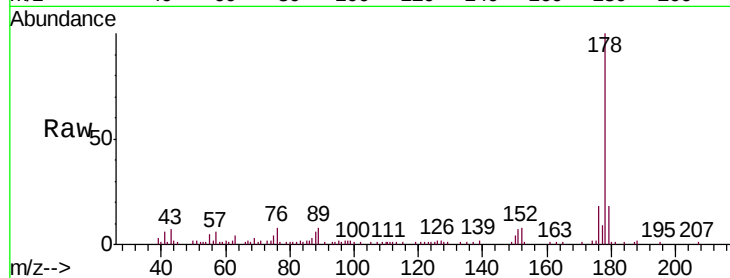
Tgt Ion:178 Resp: 47107

Ion Ratio Lower Upper

178 100

176 17.8 17.2 25.8

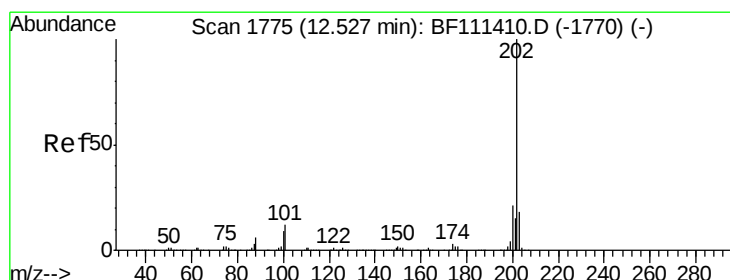
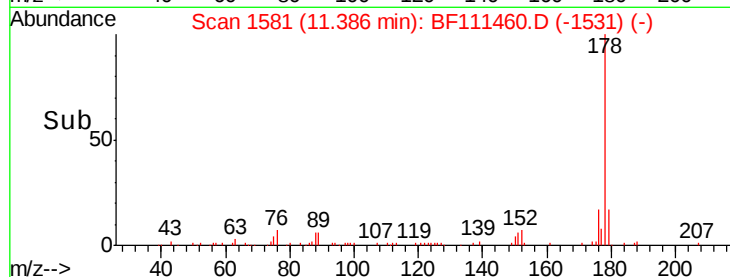
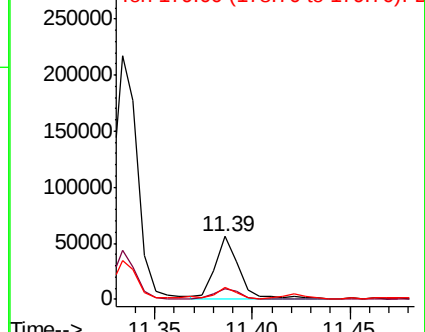
179 18.1 13.8 20.8



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



#75

Fluoranthene

Concen: 12.947 ng

RT: 12.53 min Scan# 1775

Delta R.T. 0.00 min

Lab File: BF111460.D

Acq: 15 Dec 2018 11:22

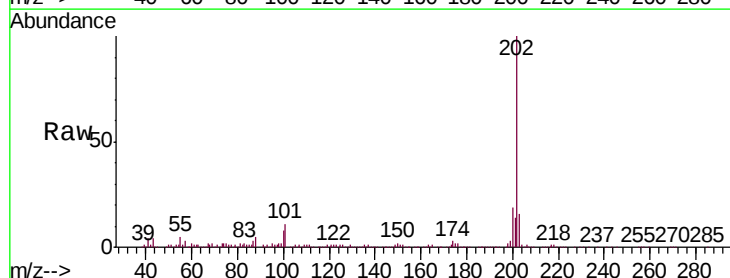
Tgt Ion:202 Resp: 290294

Ion Ratio Lower Upper

202 100

101 11.1 0.0 33.8

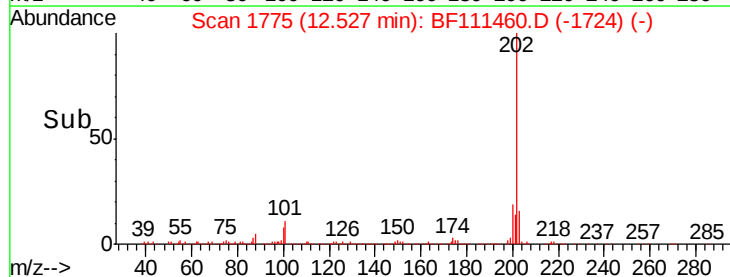
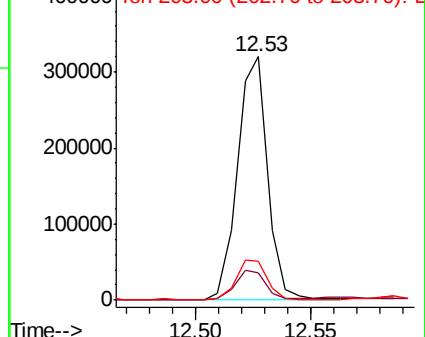
203 15.8 0.0 38.6

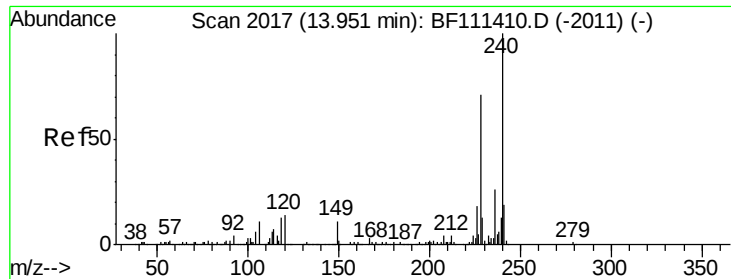


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

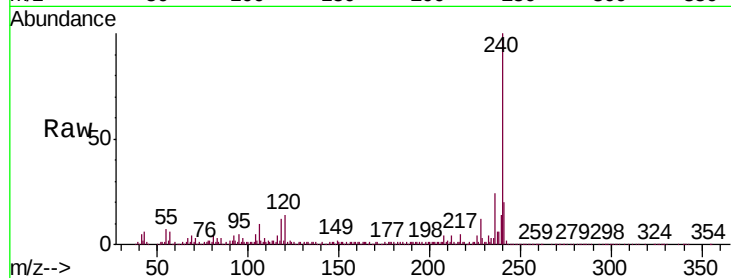




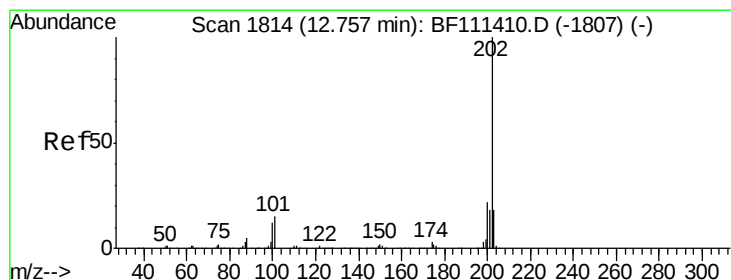
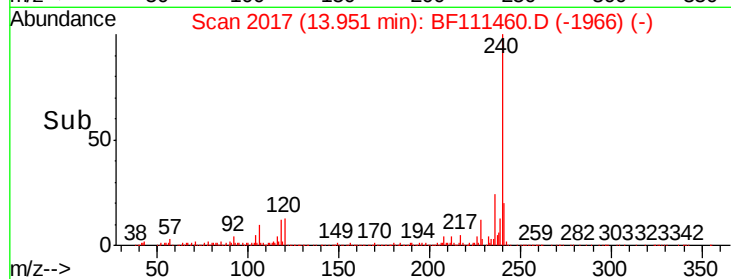
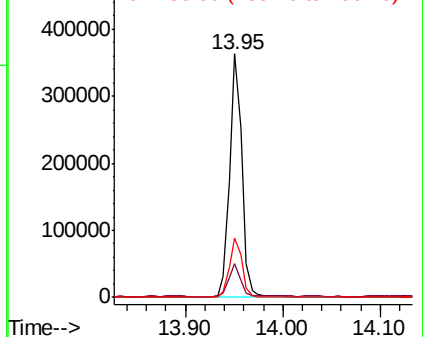
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.00 min
Lab File: BF111460.D
Acq: 15 Dec 2018 11:22

Instrument :
BNA_F
ClientSampleId :
TP-2

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.6	12.2	18.2
236	24.2	20.2	30.2

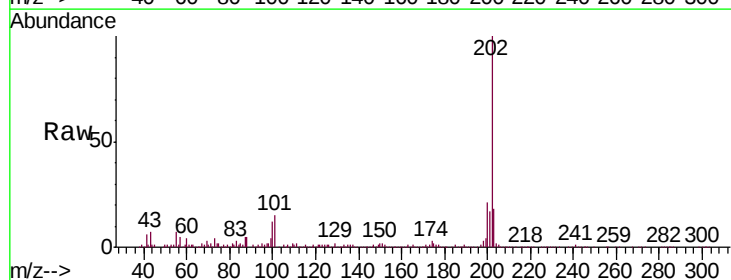


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

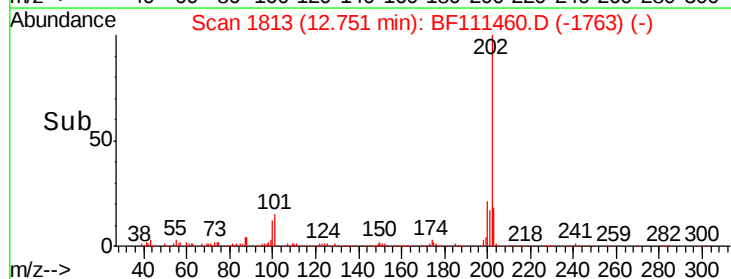
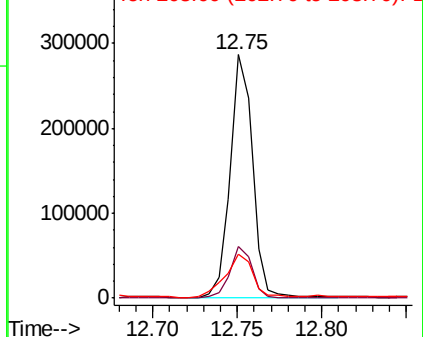


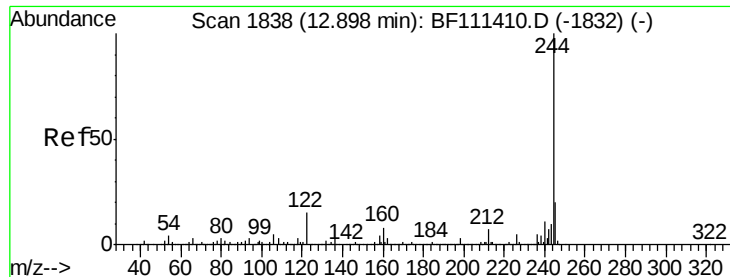
#78
Pyrene
Concen: 11.679 ng
RT: 12.75 min Scan# 1813
Delta R.T. -0.01 min
Lab File: BF111460.D
Acq: 15 Dec 2018 11:22

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.1	19.0	28.4
203	18.2	15.2	22.8



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





#79

Terphenyl-d14

Concen: 50.132 ng

RT: 12.90 min Scan# 1838

Delta R.T. -0.00 min

Lab File: BF111460.D

Acq: 15 Dec 2018 11:22

Instrument :

BNA_F

ClientSampled :

TP-2

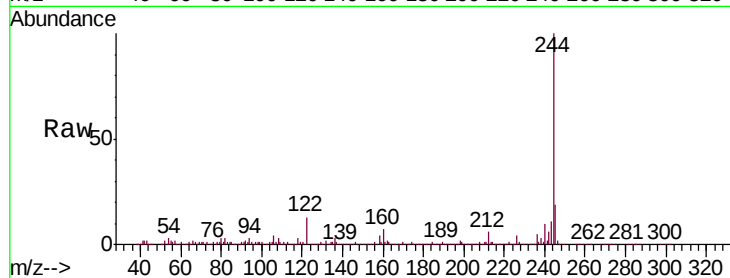
Tgt Ion:244 Resp: 682550

Ion Ratio Lower Upper

244 100

212 6.2 5.7 8.5

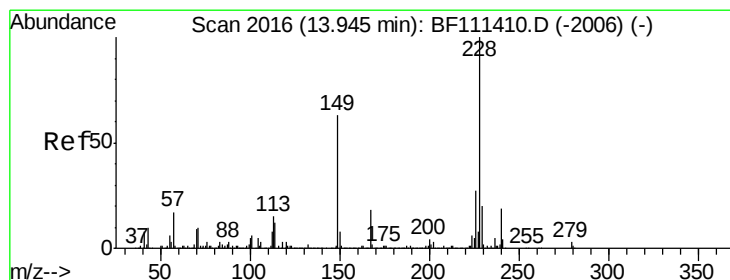
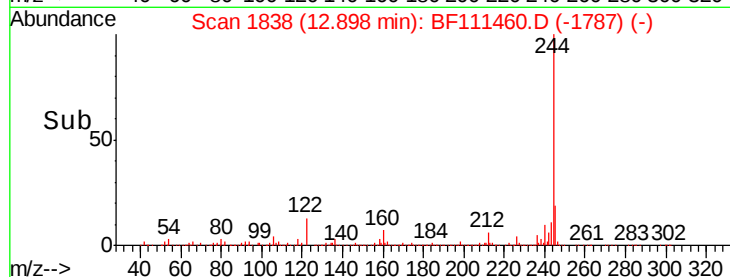
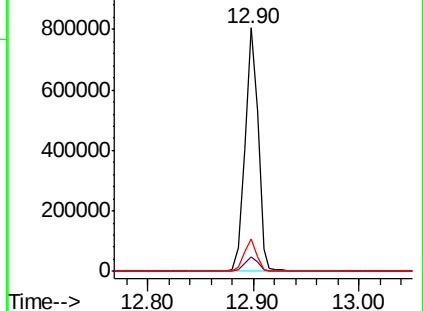
122 13.3 13.1 19.7



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



#81

Benzo(a)anthracene

Concen: 7.643 ng

RT: 13.94 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BF111460.D

Acq: 15 Dec 2018 11:22

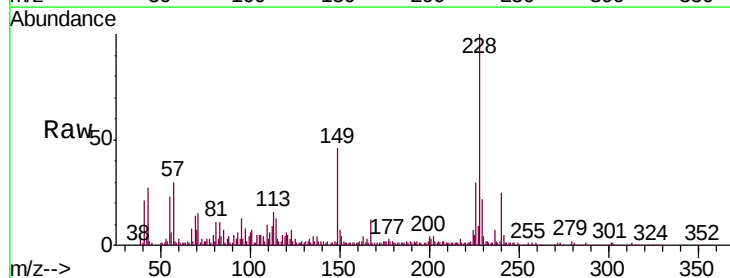
Tgt Ion:228 Resp: 132864

Ion Ratio Lower Upper

228 100

226 30.4 22.6 34.0

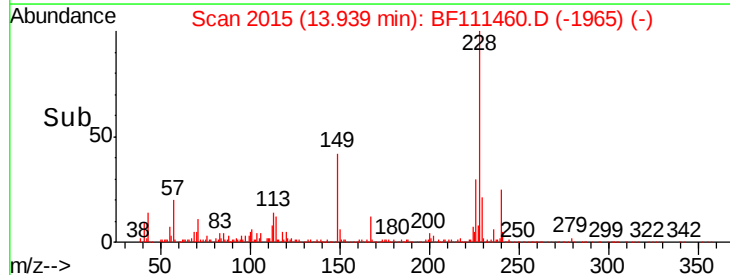
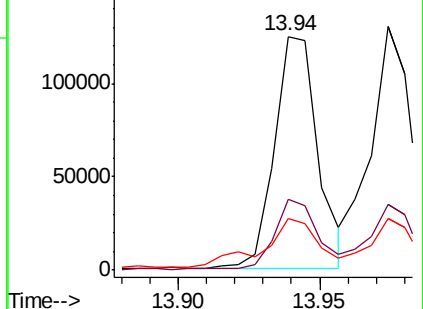
229 22.0 16.3 24.5

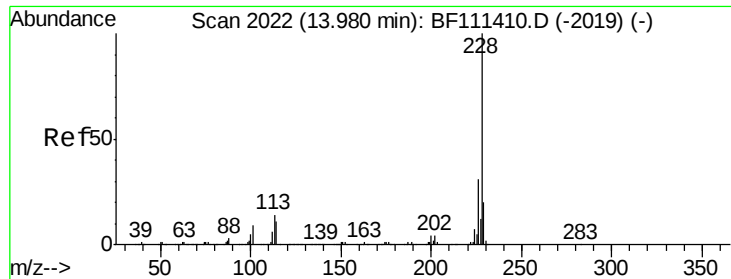


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

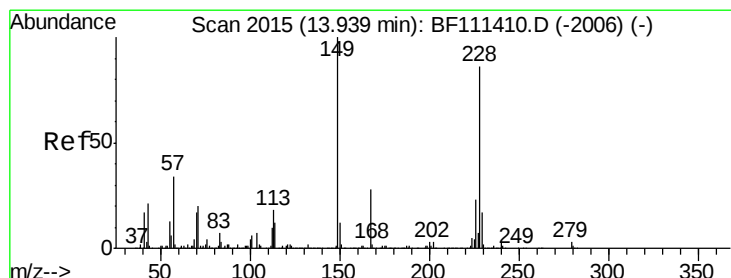
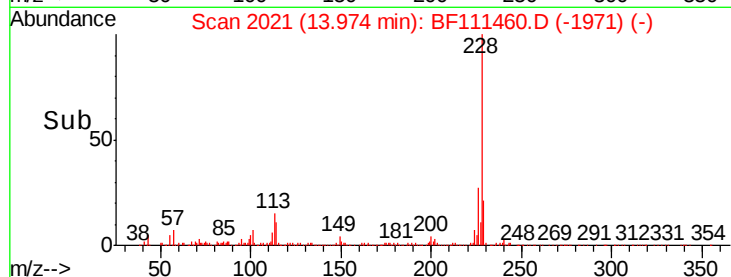
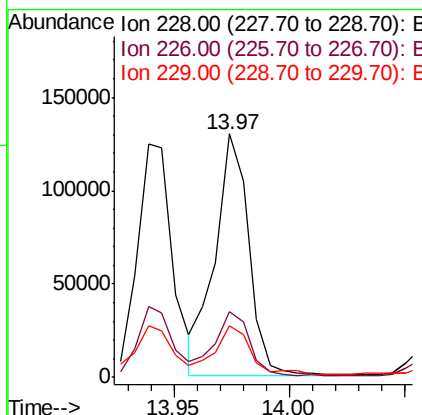
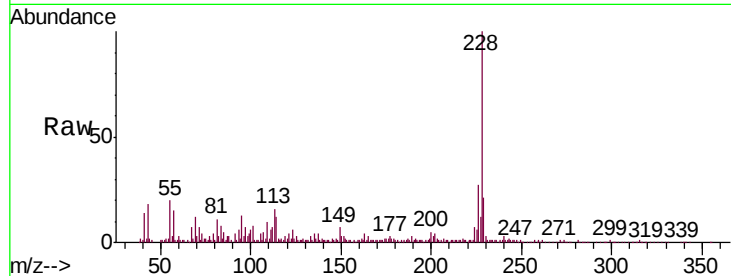




#83
 Chrysene
 Concen: 7.216 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. -0.01 min
 Lab File: BF111460.D
 Acq: 15 Dec 2018 11:22

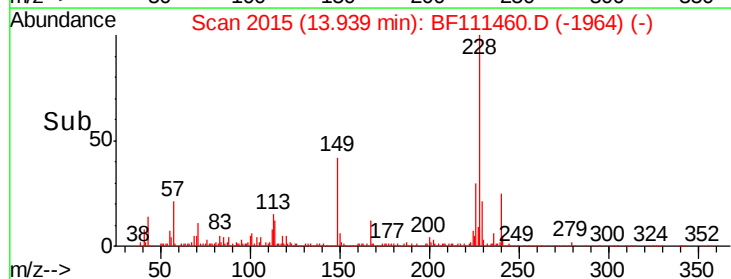
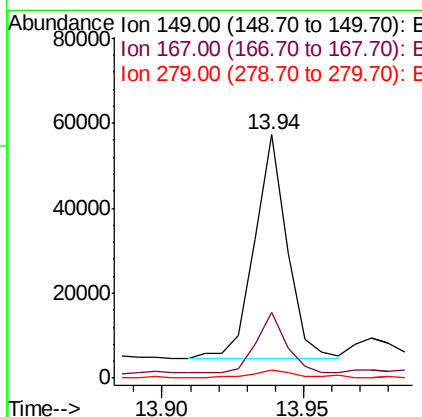
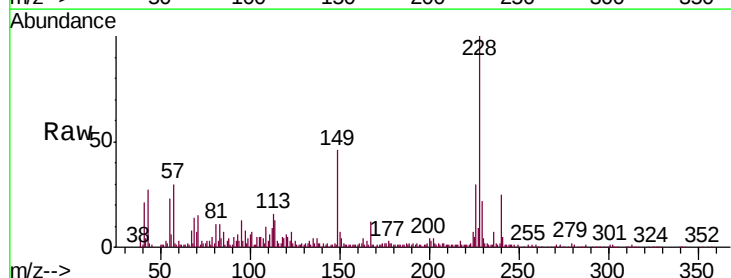
Instrument :
 BNA_F
 ClientSampleId :
 TP-2

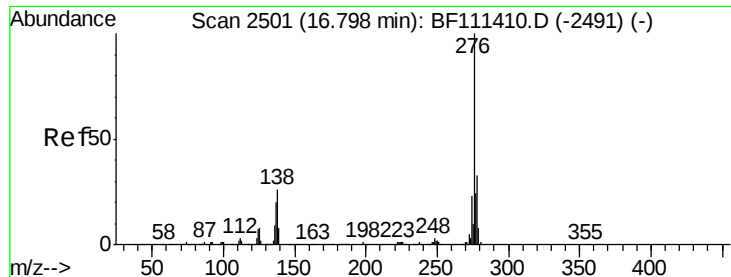
Tgt Ion: 228 Resp: 132146
 Ion Ratio Lower Upper
 228 100
 226 27.2 25.3 37.9
 229 21.3 17.2 25.8



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 3.006 ng
 RT: 13.94 min Scan# 2015
 Delta R.T. -0.00 min
 Lab File: BF111460.D
 Acq: 15 Dec 2018 11:22

Tgt Ion: 149 Resp: 42185
 Ion Ratio Lower Upper
 149 100
 167 27.2 22.5 33.7
 279 3.4 2.6 4.0

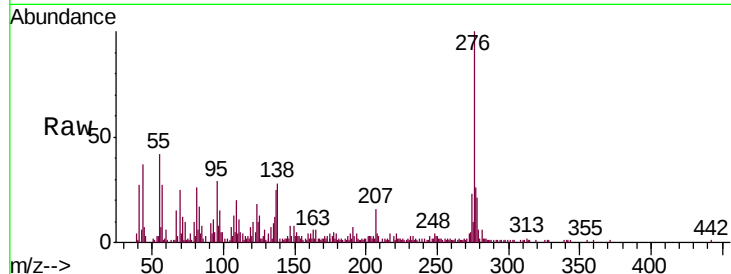




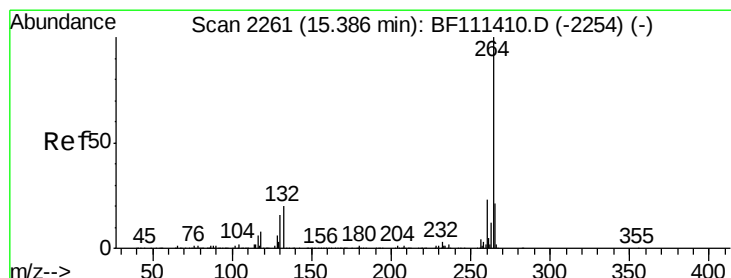
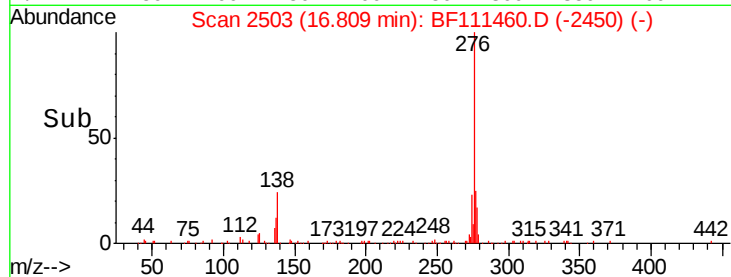
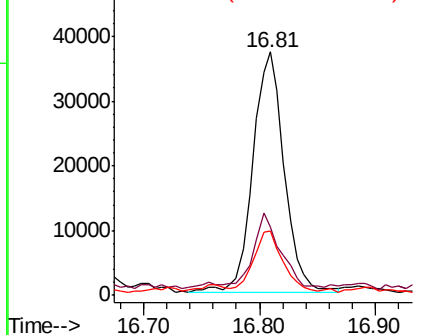
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 5.285 ng
 RT: 16.81 min Scan# 2503
 Delta R.T. 0.01 min
 Lab File: BF111460.D
 Acq: 15 Dec 2018 11:22

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.8	27.8	41.6
277	25.8	20.1	30.1

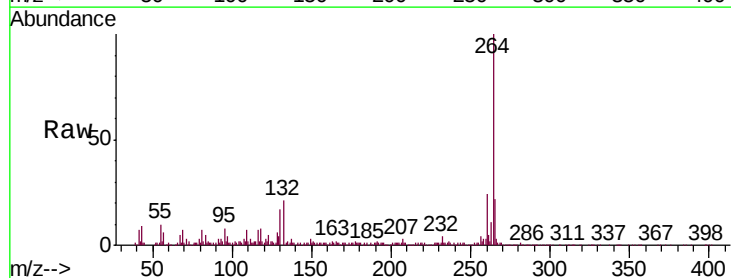


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

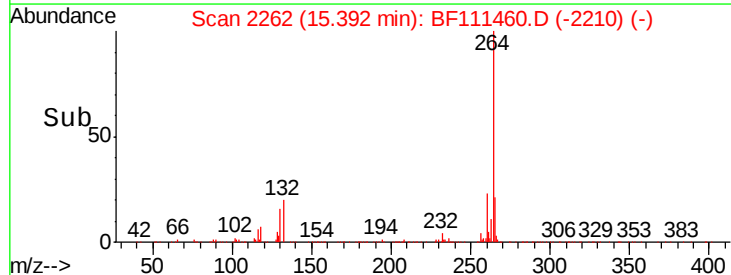
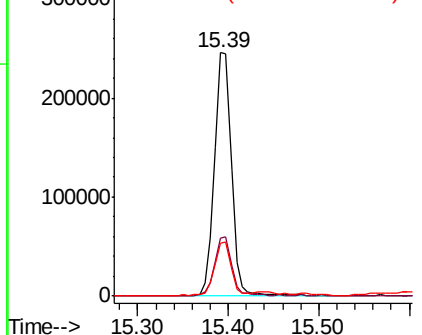


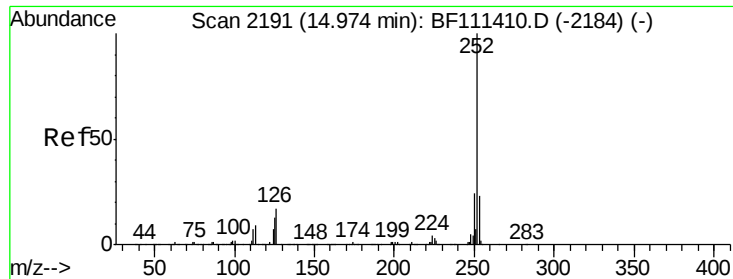
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.39 min Scan# 2262
 Delta R.T. 0.01 min
 Lab File: BF111460.D
 Acq: 15 Dec 2018 11:22

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.3	27.5
265	21.6	17.7	26.5



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

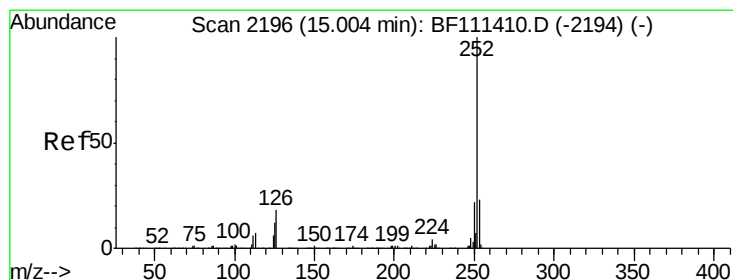
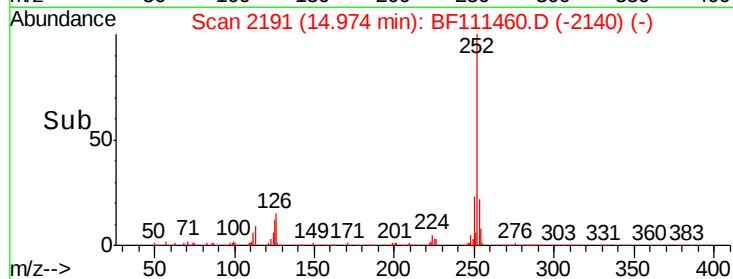
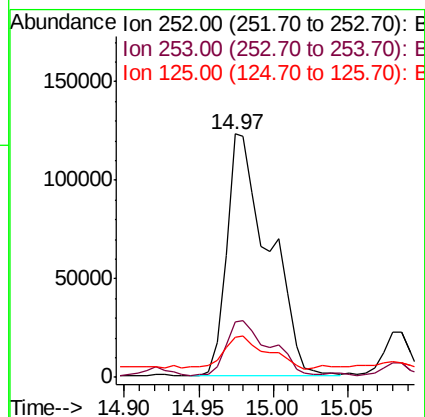
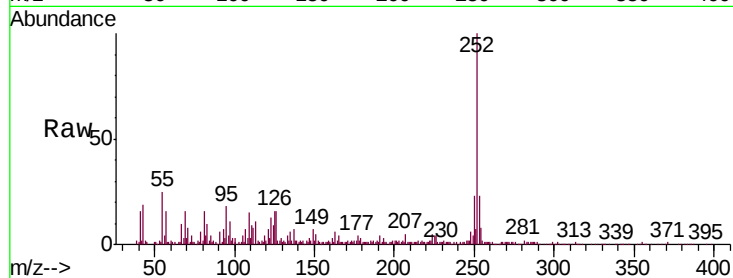




#88
Benzo(b)fluoranthene
Concen: 12.967 ng
RT: 14.97 min Scan# 2191
Delta R.T. -0.00 min
Lab File: BF111460.D
Acq: 15 Dec 2018 11:22

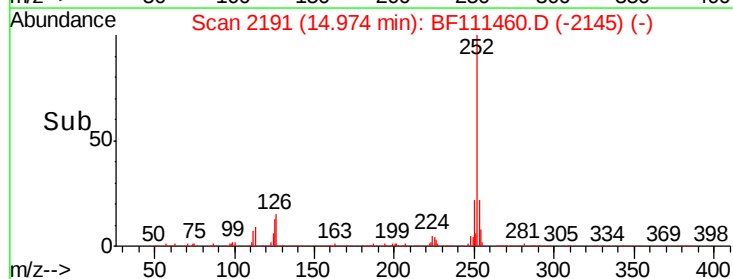
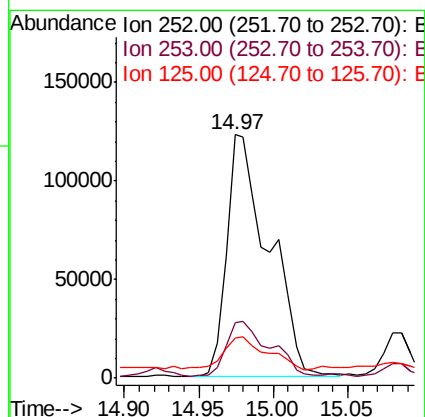
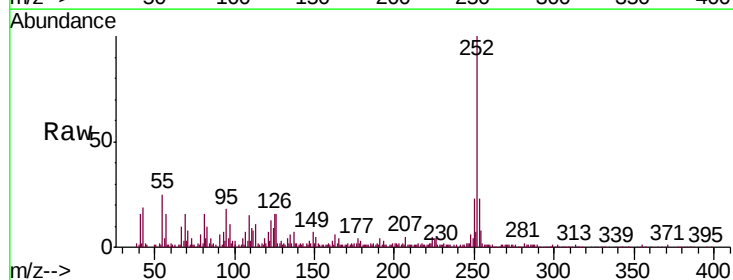
Instrument :
BNA_F
ClientSampleId :
TP-2

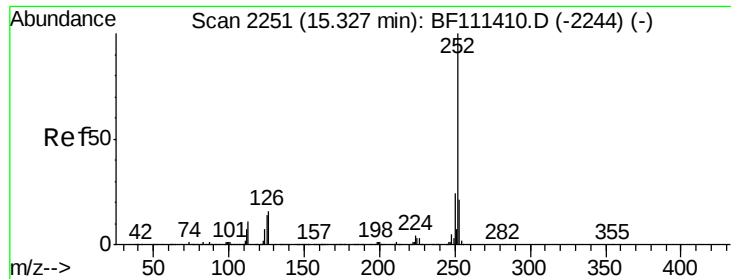
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.2	27.2
125	16.4	10.4	15.6



#89
Benzo(k)fluoranthene
Concen: 13.571 ng
RT: 14.97 min Scan# 2191
Delta R.T. -0.03 min
Lab File: BF111460.D
Acq: 15 Dec 2018 11:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.1	27.1
125	16.4	9.8	14.8





#90

Benzo(a)pyrene

Concen: 7.159 ng

RT: 15.33 min Scan# 2252

Delta R.T. 0.01 min

Lab File: BF111460.D

Acq: 15 Dec 2018 11:22

Instrument :

BNA_F

ClientSampleId :

TP-2

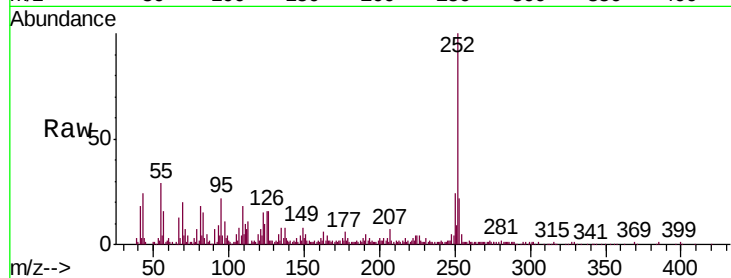
Tgt Ion:252 Resp: 120180

Ion Ratio Lower Upper

252 100

253 22.5 17.8 26.8

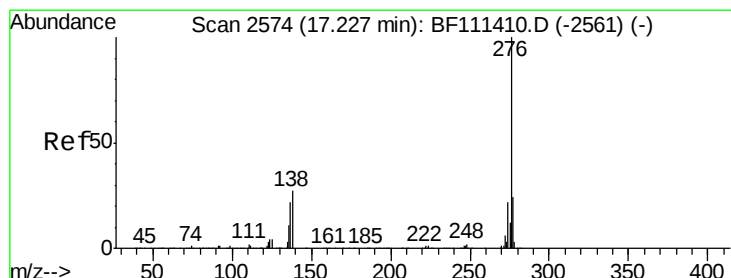
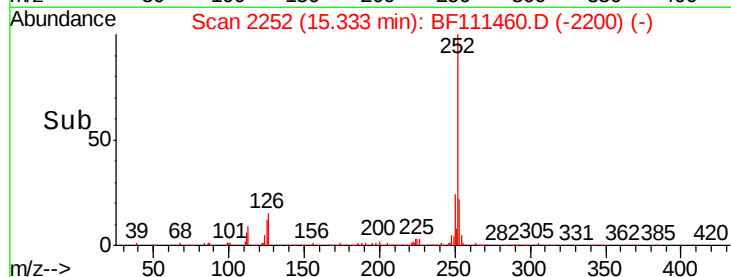
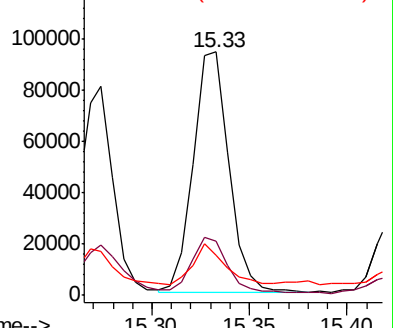
125 16.5 12.3 18.5



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



#92

Benzo(g,h,i)perylene

Concen: 5.913 ng

RT: 17.23 min Scan# 2575

Delta R.T. 0.01 min

Lab File: BF111460.D

Acq: 15 Dec 2018 11:22

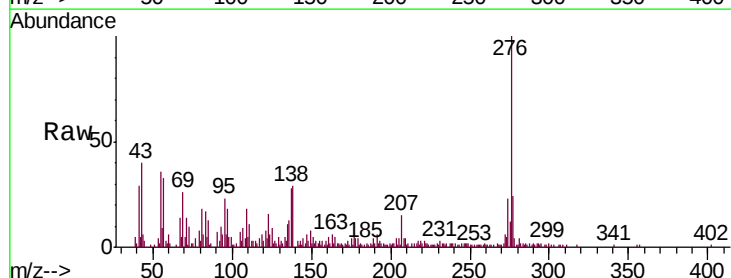
Tgt Ion:276 Resp: 76861

Ion Ratio Lower Upper

276 100

277 24.4 19.2 28.8

138 28.7 24.9 37.3



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

