

Data File : BF111481.D
Acq On : 15 Dec 2018 21:02
Operator : JU/SJ
Sample : J6303-03 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NR38-C1-110718

Quant Time: Dec 16 00:48:50 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	107433	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	375119	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	141026	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	277391	20.00	ng	0.00
76) Chrysene-d12	13.95	240	279936	20.00	ng	0.00
87) Perylene-d12	15.39	264	197523	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	228179	35.34	ng	0.00
7) Phenol-d6	6.43	99	268097	31.22	ng	-0.01
23) Nitrobenzene-d5	7.35	82	146628	23.28	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	48562	38.44	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	248961	27.27	ng	0.00
79) Terphenyl-d14	12.90	244	288750	24.22	ng	0.00

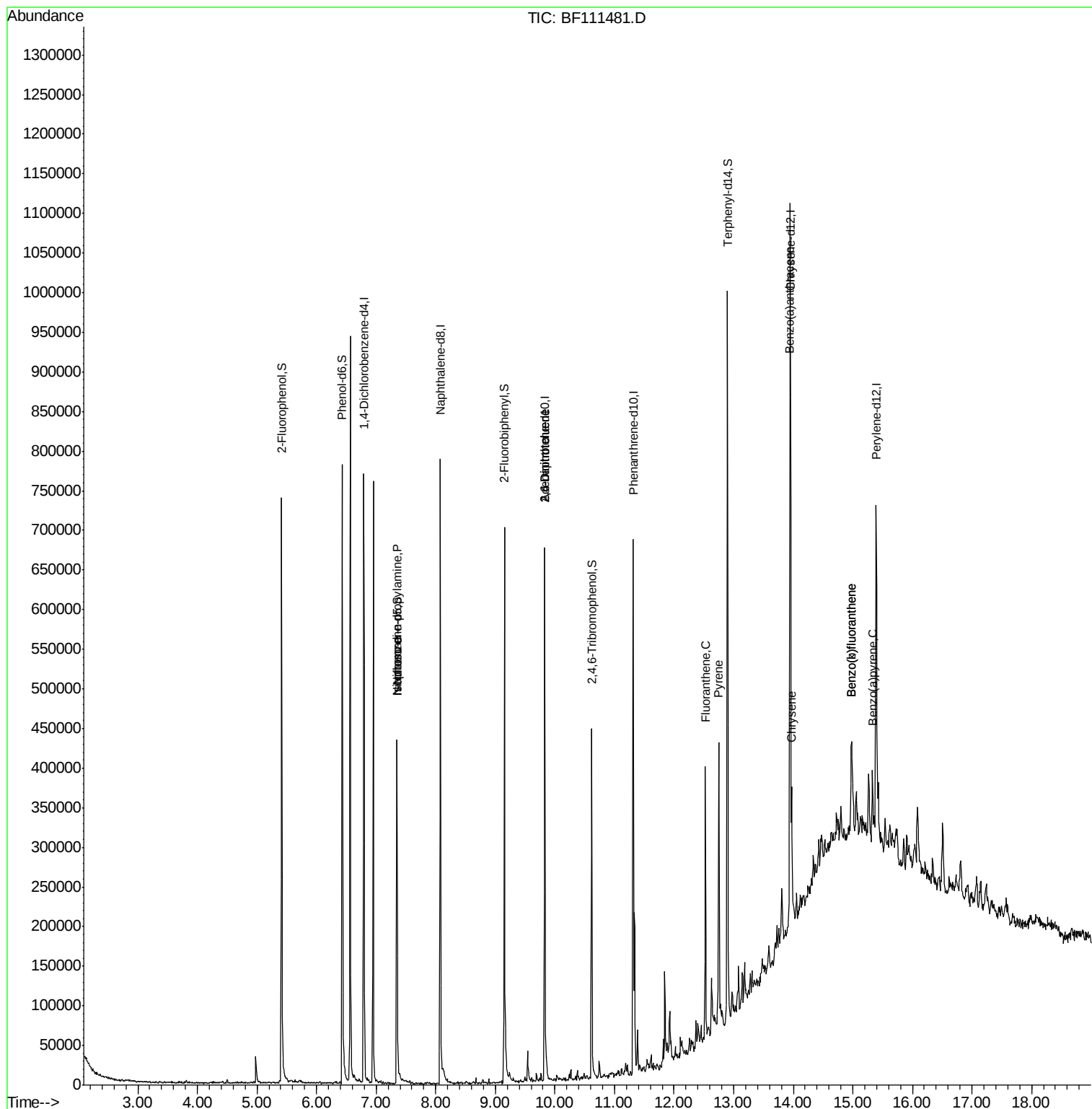
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.35	70	17630	3.112	ng	# 79
25) Isophorone	7.35	82	146627	13.757	ng	# 64
51) 2,6-Dinitrotoluene	9.83	165	18313	8.011	ng	# 31
57) 2,4-Dinitrotoluene	9.83	165	18310	6.102	ng	# 26
75) Fluoranthene	12.53	202	147072	10.518	ng	96
78) Pyrene	12.75	202	151087	7.655	ng	95
81) Benzo(a)anthracene	13.94	228	70419	4.626	ng	99
83) Chrysene	13.97	228	60490	3.772	ng	95
88) Benzo(b)fluoranthene	14.97	252	78942	6.855	ng	# 90
89) Benzo(k)fluoranthene	14.97	252	78942	7.174	ng	# 89
90) Benzo(a)pyrene	15.33	252	40358	3.886	ng	# 92

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.79 min Scan# 800

Delta R.T. -0.00 min

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BNA_F

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NR38-C1-110718

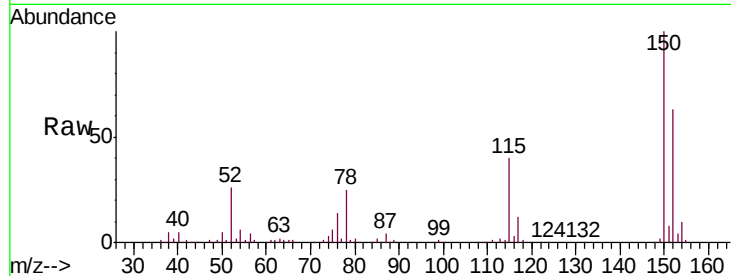
Tgt Ion:152 Resp: 107433

Ion Ratio Lower Upper

152 100

150 158.1 126.6 189.8

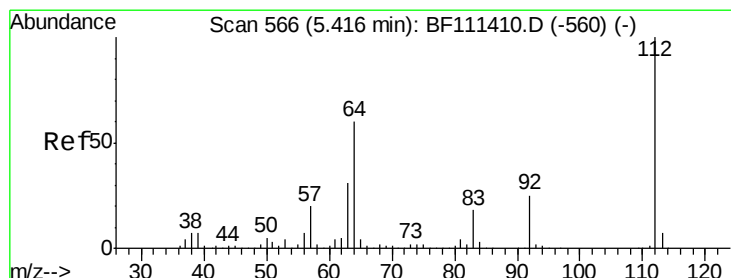
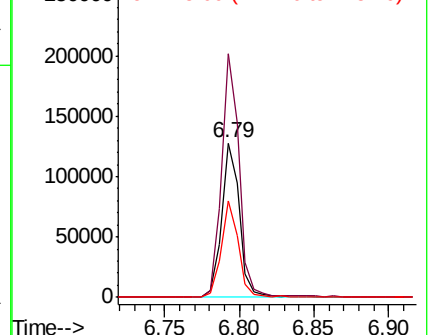
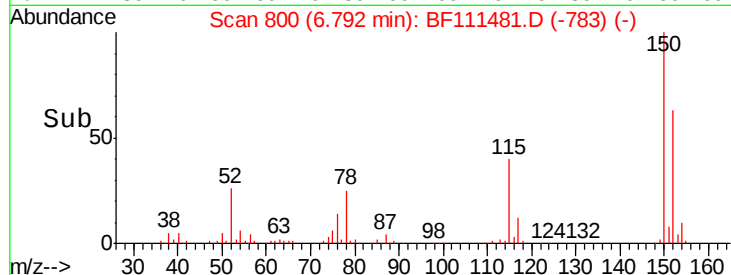
115 62.7 50.7 76.1



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: 35.343 ng

RT: 5.41 min Scan# 565

Delta R.T. -0.00 min

Lab File: BF111481.D

Acq: 15 Dec 2018 21:02

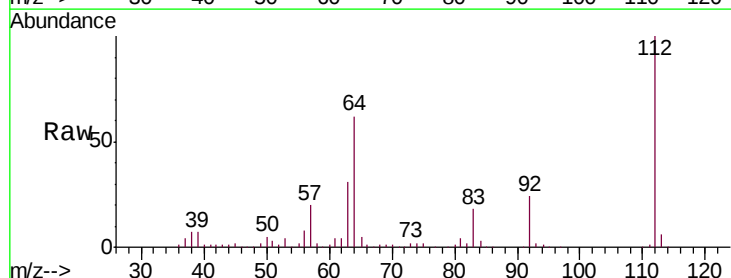
Tgt Ion:112 Resp: 228179

Ion Ratio Lower Upper

112 100

64 62.1 51.8 77.6

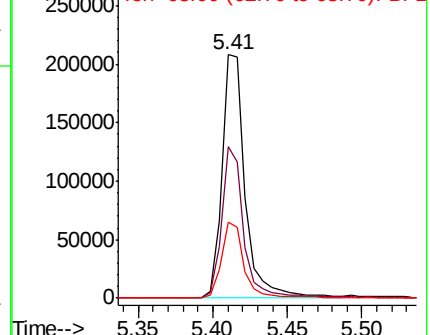
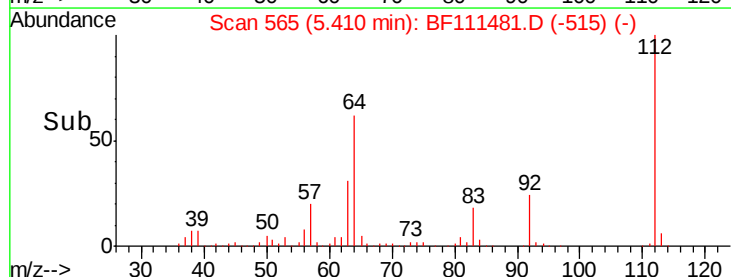
63 31.1 26.8 40.2



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: 31.219 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF111481.D

Acq: 15 Dec 2018 21:02

Instrument :

BNA_F

ClientSampleId :

NR38-C1-110718

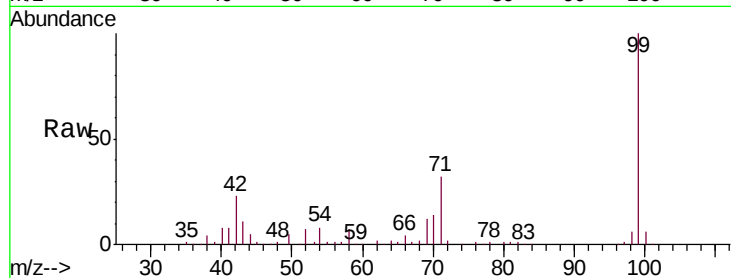
Tgt Ion: 99 Resp: 268097

Ion Ratio Lower Upper

99 100

42 22.5 17.4 26.0

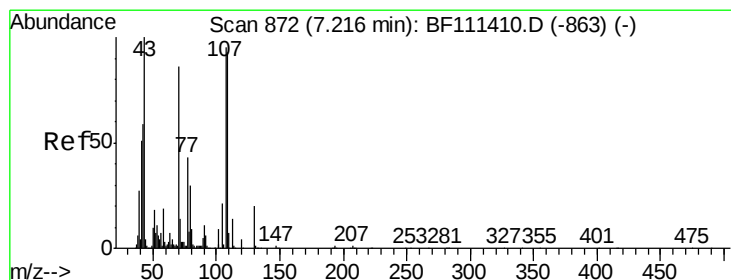
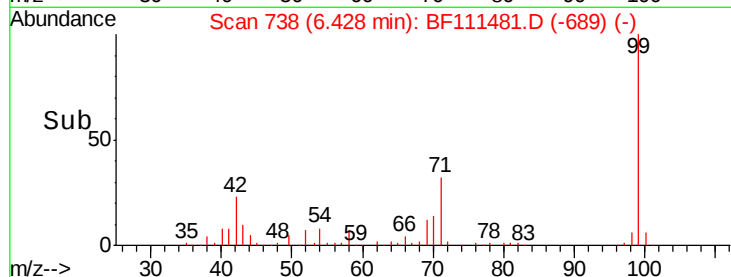
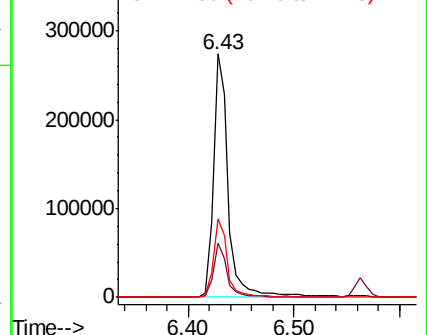
71 32.3 26.1 39.1



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



#19

n-Nitroso-di-n-propylamine

Concen: 3.112 ng

RT: 7.35 min Scan# 895

Delta R.T. 0.14 min

Lab File: BF111481.D

Acq: 15 Dec 2018 21:02

Tgt Ion: 70 Resp: 17630

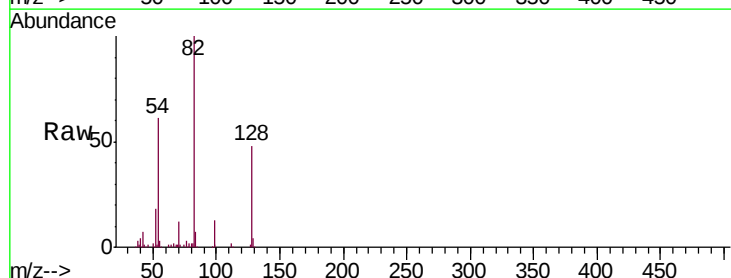
Ion Ratio Lower Upper

70 100

42 56.1 53.2 79.8

101 0.0 8.2 12.4#

130 2.6 18.1 27.1#

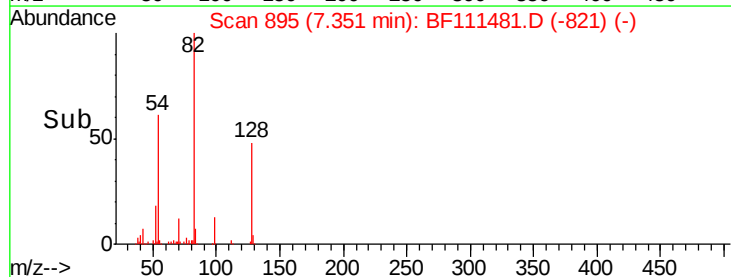
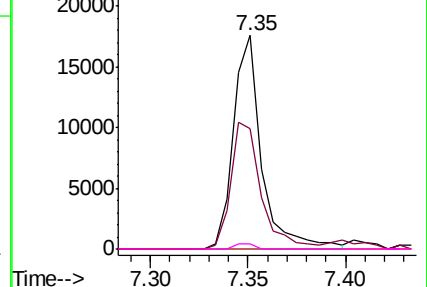


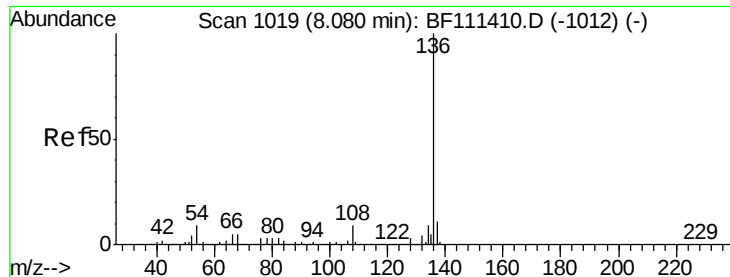
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

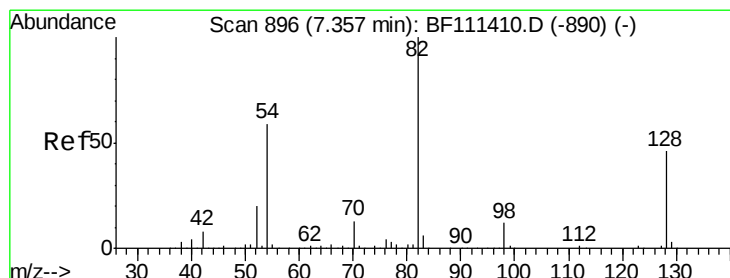
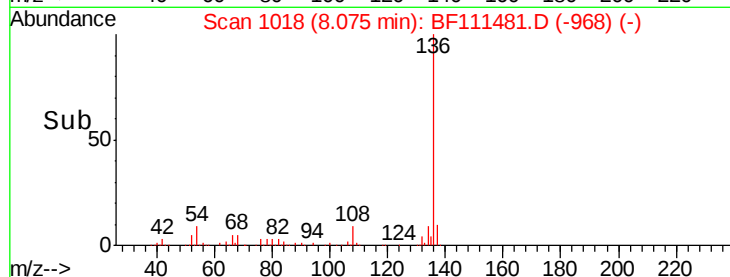
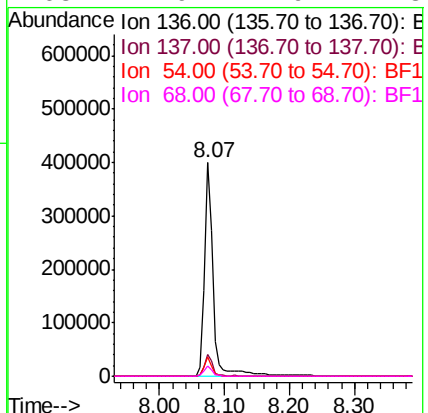
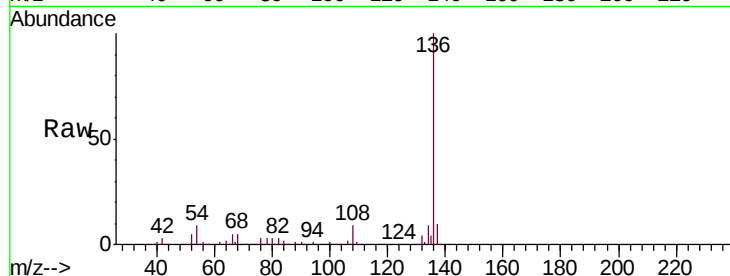




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF111481.D
Acq: 15 Dec 2018 21:02

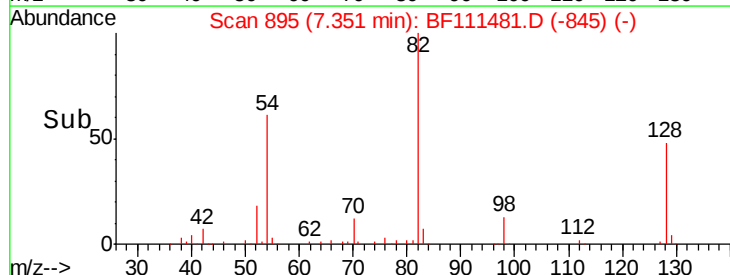
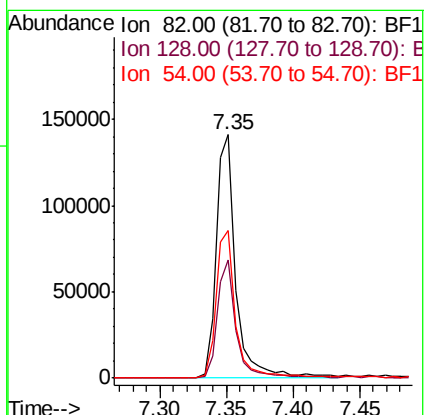
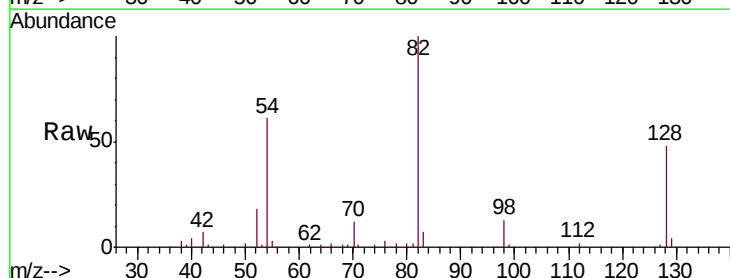
Instrument :
BNA_F
ClientSampleId :
NR38-C1-110718

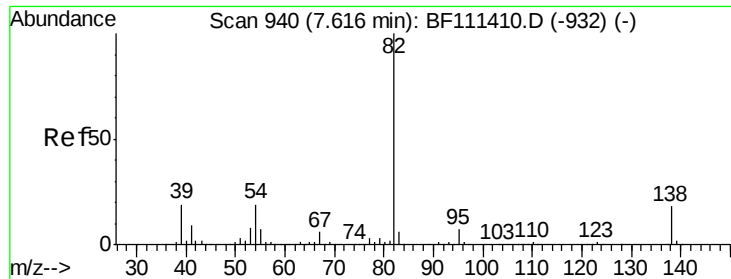
Tgt Ion:	136	Resp:	375119
Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.1	13.7
54	9.0	7.7	11.5
68	4.9	4.9	7.3



#23
Nitrobenzene-d5
Concen: 23.277 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.01 min
Lab File: BF111481.D
Acq: 15 Dec 2018 21:02

Tgt Ion:	82	Resp:	146628
Ion	Ratio	Lower	Upper
82	100		
128	48.4	37.4	56.2
54	60.8	47.6	71.4





#25

Isophorone

Concen: 13.757 ng

RT: 7.35 min Scan# 895

Delta R.T. -0.26 min

Lab File: BF111481.D

Acq: 15 Dec 2018 21:02

Instrument :

BNA_F

ClientSampleId :

NR38-C1-110718

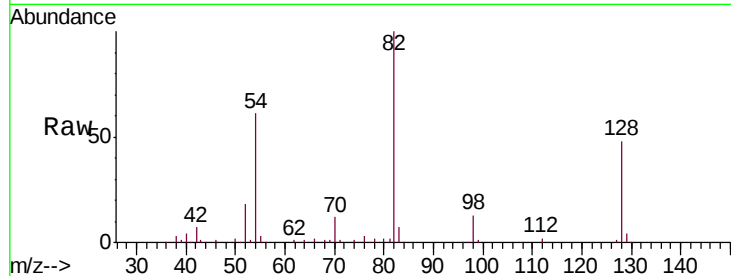
Tgt Ion: 82 Resp: 146627

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

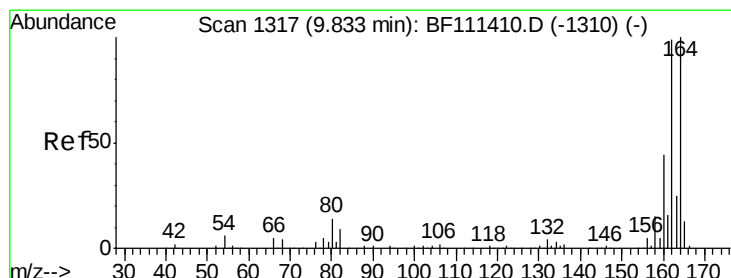
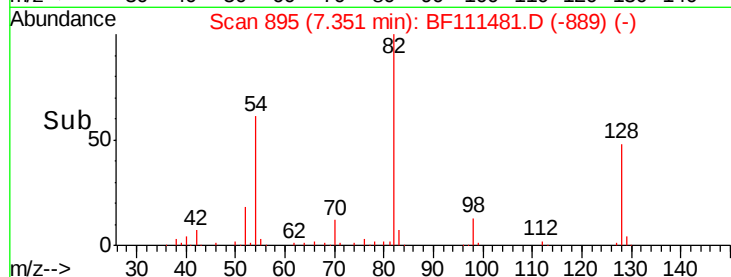
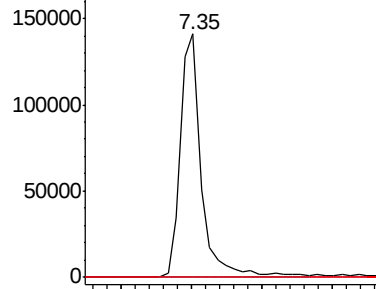
138 0.0 15.1 22.7#



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: BF111481.D

Acq: 15 Dec 2018 21:02

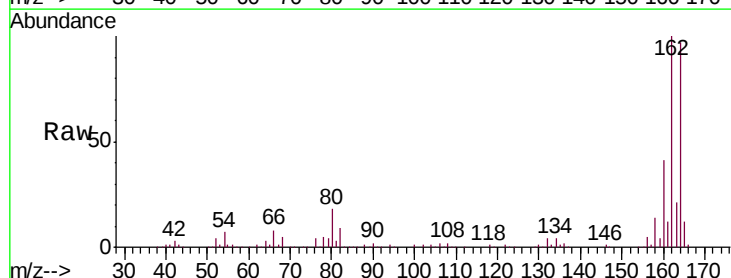
Tgt Ion: 164 Resp: 141026

Ion Ratio Lower Upper

164 100

162 103.4 81.4 122.0

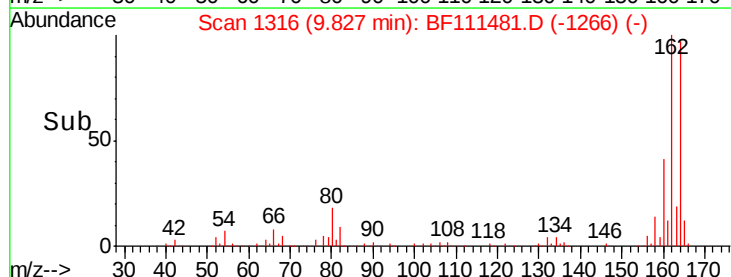
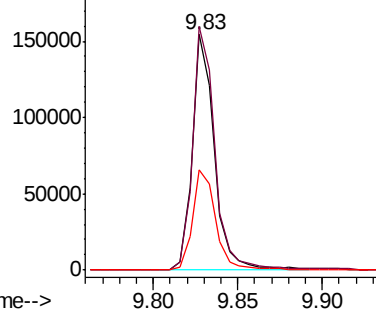
160 42.6 35.7 53.5

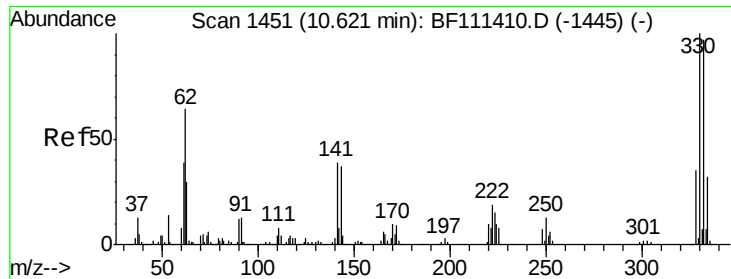


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

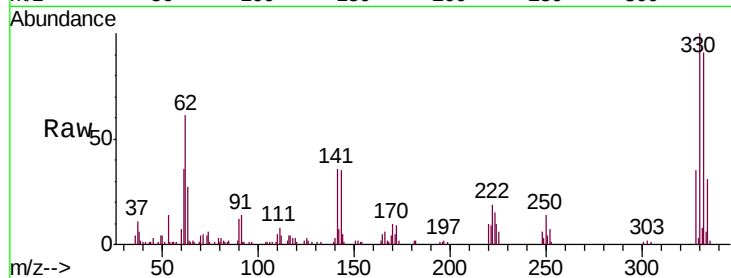




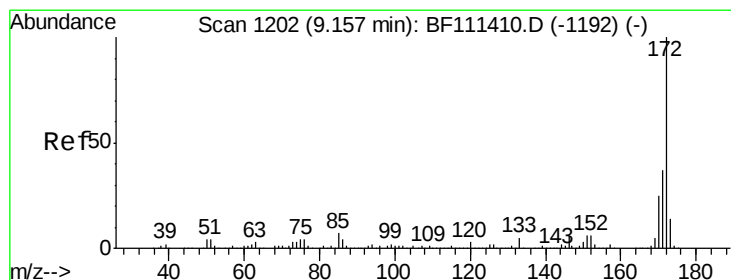
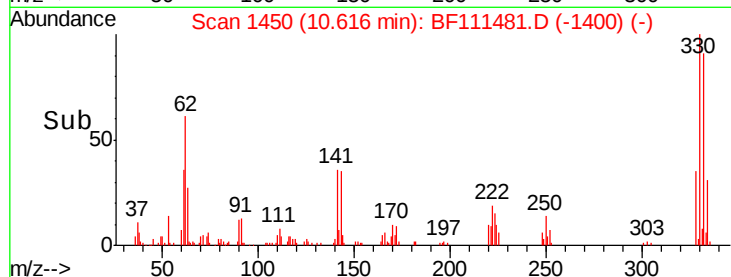
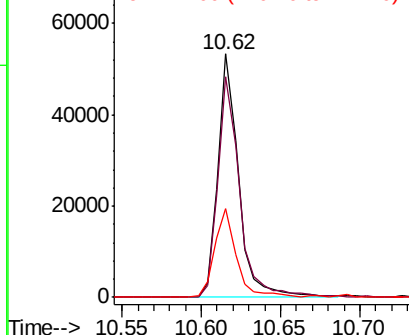
#42
 2,4,6-Tribromophenol
 Concen: 38.441 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.01 min
 Lab File: BF111481.D
 Acq: 15 Dec 2018 21:02

Instrument :
 BNA_F
 ClientSampleId :
 NR38-C1-110718

Tgt Ion:330 Resp: 48562
 Ion Ratio Lower Upper
 330 100
 332 95.0 76.0 114.0
 141 37.9 31.0 46.6

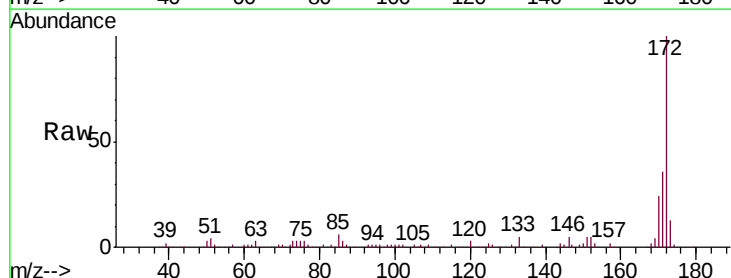


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

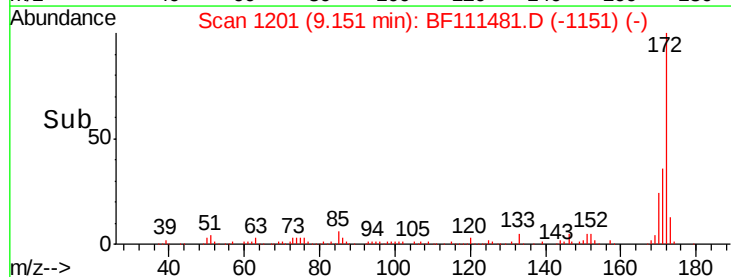
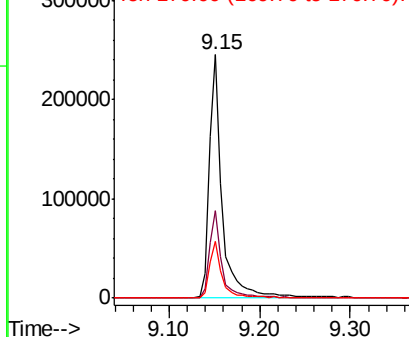


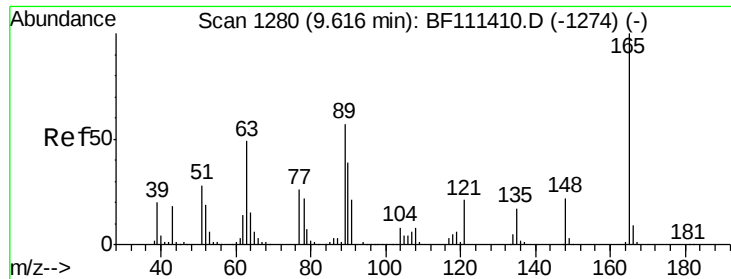
#45
 2-Fluorobiphenyl
 Concen: 27.268 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF111481.D
 Acq: 15 Dec 2018 21:02

Tgt Ion:172 Resp: 248961
 Ion Ratio Lower Upper
 172 100
 171 36.1 33.0 49.4
 170 23.5 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

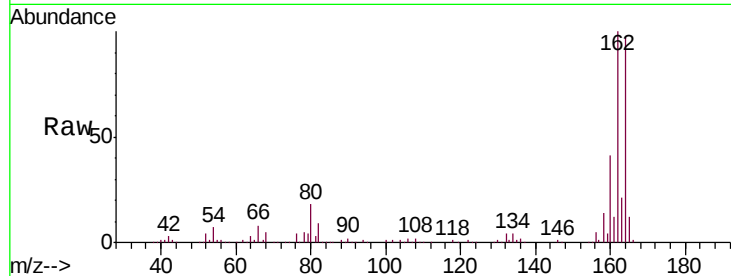




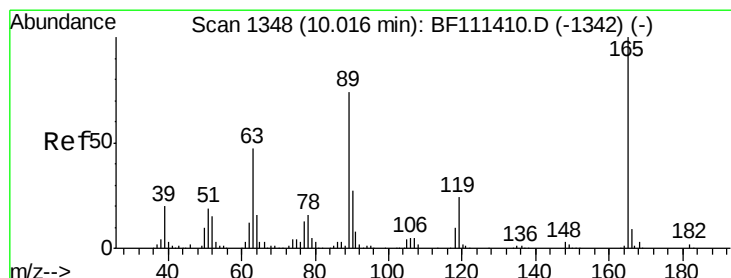
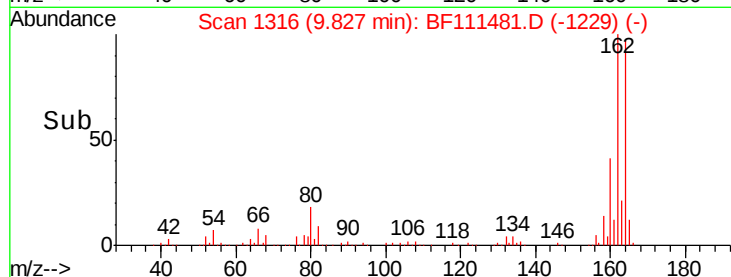
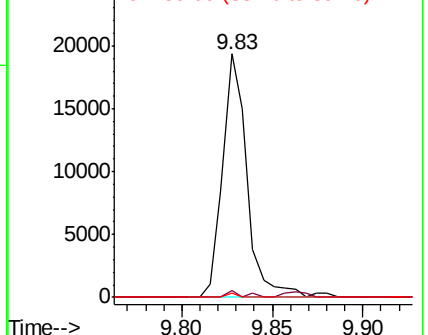
#51
2,6-Dinitrotoluene
Concen: 8.011 ng
RT: 9.83 min Scan# 1316
Delta R.T. 0.21 min
Lab File: BF111481.D
Acq: 15 Dec 2018 21:02

Instrument :
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NR38-C1-110718

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.7	40.5	60.7#
89	1.8	40.0	60.0#

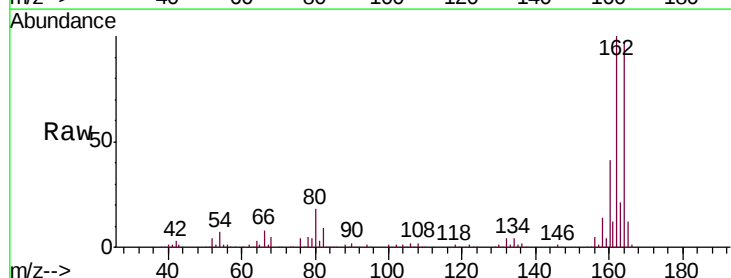


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

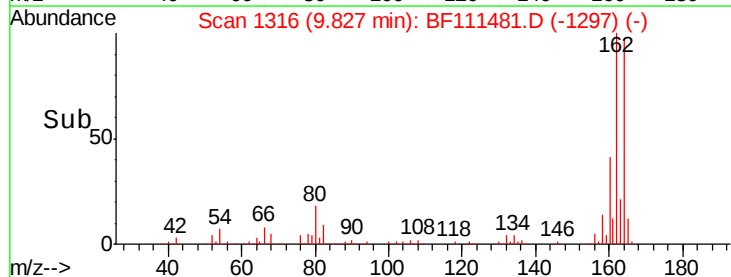
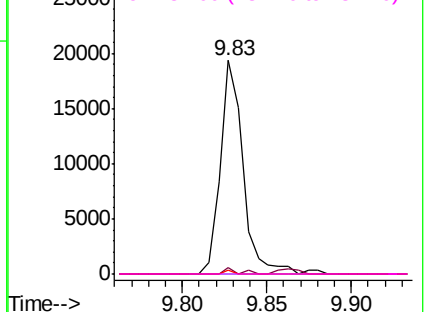


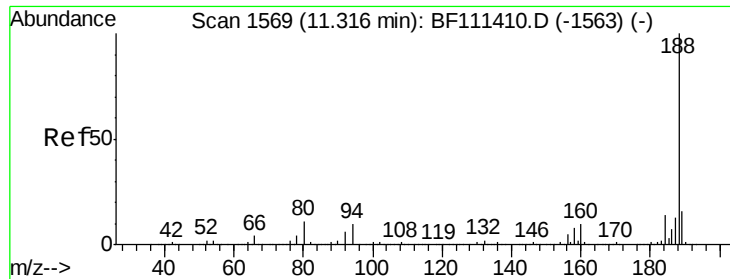
#57
2,4-Dinitrotoluene
Concen: 6.102 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.19 min
Lab File: BF111481.D
Acq: 15 Dec 2018 21:02

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.7	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

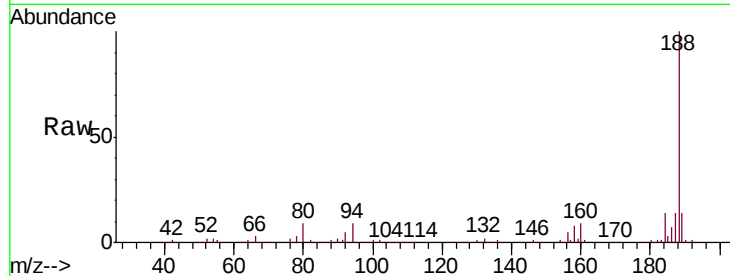




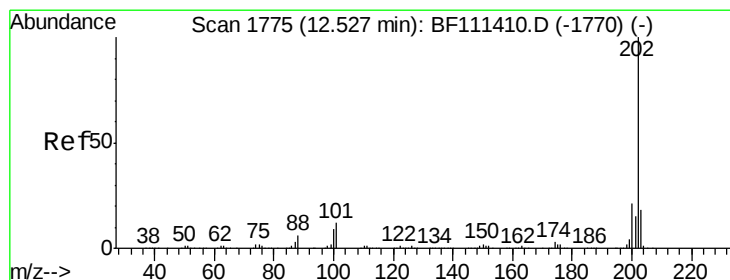
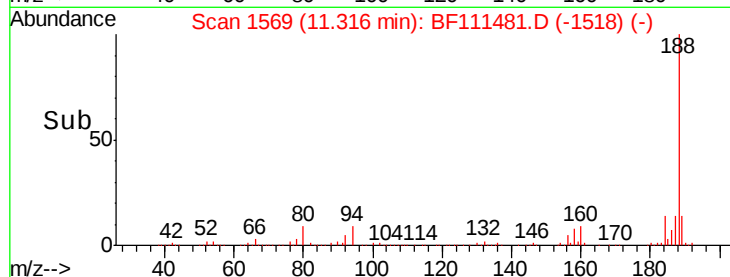
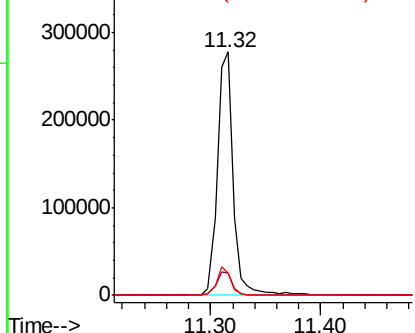
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.00 min
Lab File: BF111481.D
Acq: 15 Dec 2018 21:02

Instrument :
BNA_F
ClientSampleId :
NR38-C1-110718

Tgt Ion:188 Resp: 277391
Ion Ratio Lower Upper
188 100
94 9.3 9.6 14.4#
80 9.3 9.8 14.6#

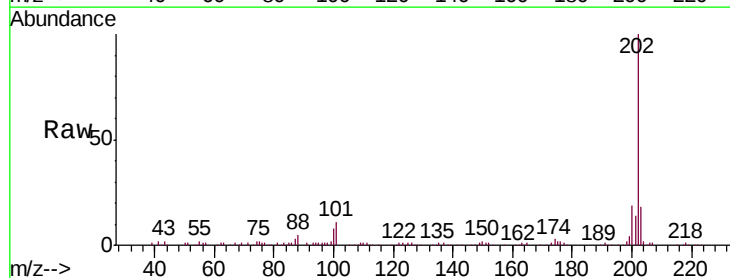


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

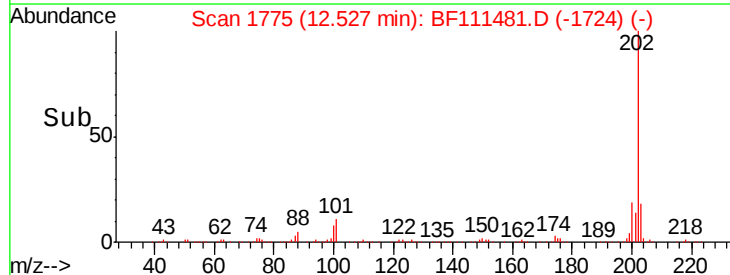
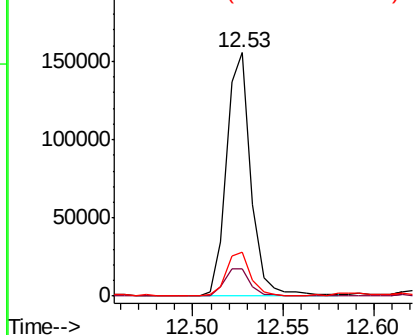


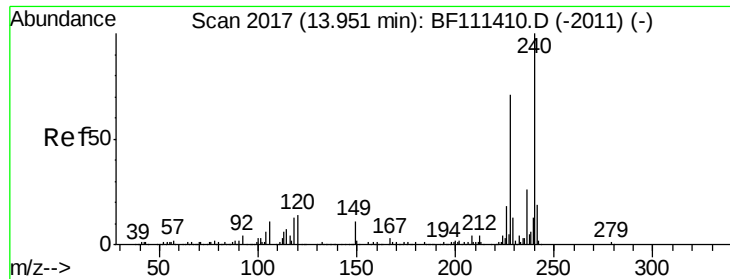
#75
Fluoranthene
Concen: 10.518 ng
RT: 12.53 min Scan# 1775
Delta R.T. 0.00 min
Lab File: BF111481.D
Acq: 15 Dec 2018 21:02

Tgt Ion:202 Resp: 147072
Ion Ratio Lower Upper
202 100
101 11.0 0.0 33.8
203 17.9 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

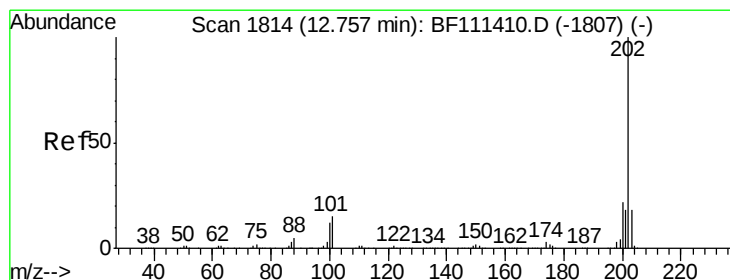
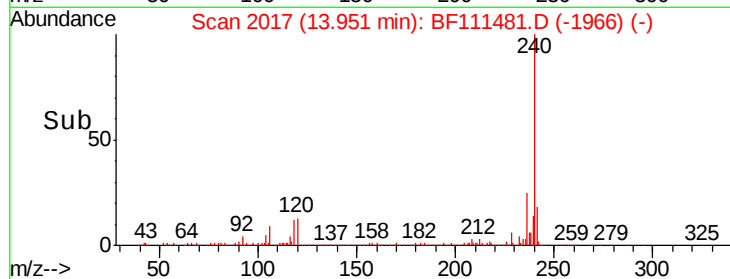
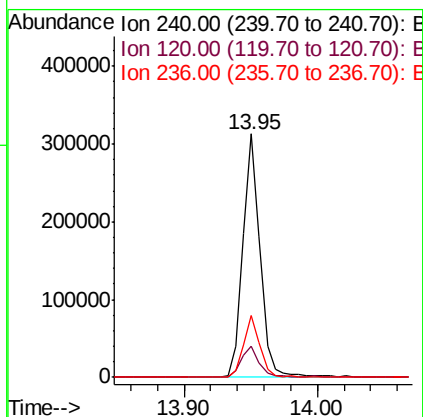
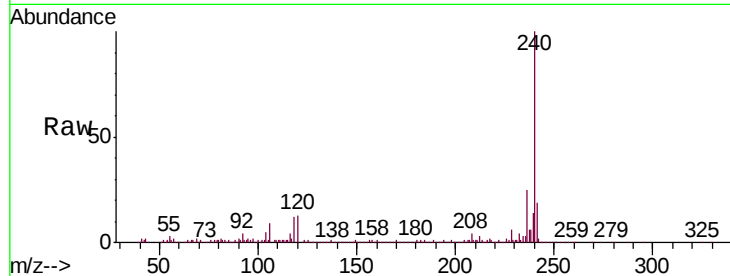




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.00 min
Lab File: BF111481.D
Acq: 15 Dec 2018 21:02

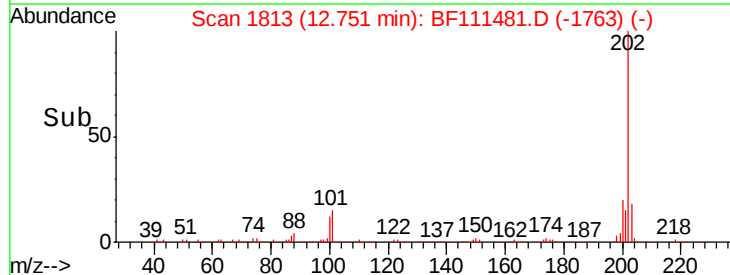
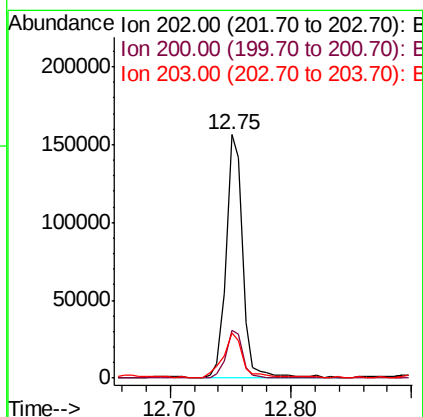
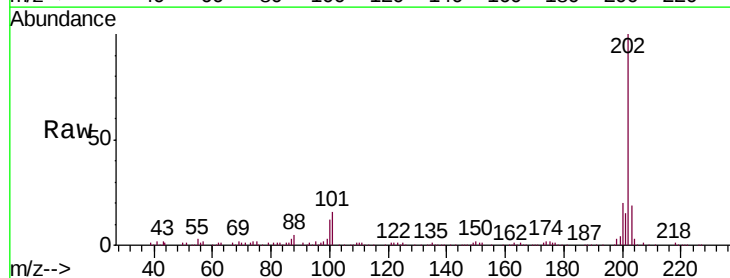
Instrument :
BNA_F
ClientSampleId :
NR38-C1-110718

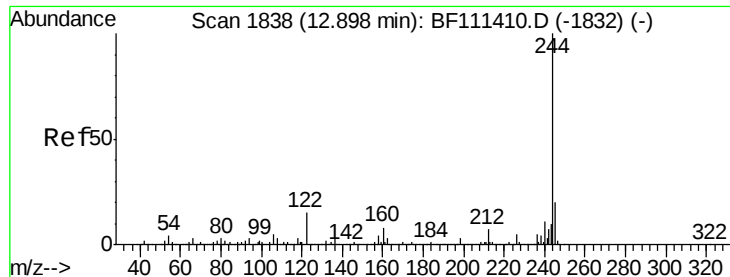
Tgt Ion:240 Resp: 279936
Ion Ratio Lower Upper
240 100
120 13.0 12.2 18.2
236 25.3 20.2 30.2



#78
Pyrene
Concen: 7.655 ng
RT: 12.75 min Scan# 1813
Delta R.T. -0.01 min
Lab File: BF111481.D
Acq: 15 Dec 2018 21:02

Tgt Ion:202 Resp: 151087
Ion Ratio Lower Upper
202 100
200 19.8 19.0 28.4
203 18.6 15.2 22.8





#79

Terphenyl-d14

Concen: 24.222 ng

RT: 12.90 min Scan# 1838

Delta R.T. -0.00 min

Lab File: BF111481.D

Acq: 15 Dec 2018 21:02

Instrument :

BNA_F

ClientSampleId :

NR38-C1-110718

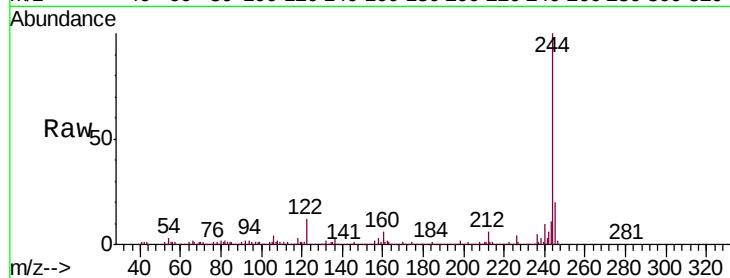
Tgt Ion:244 Resp: 288750

Ion Ratio Lower Upper

244 100

212 6.0 5.7 8.5

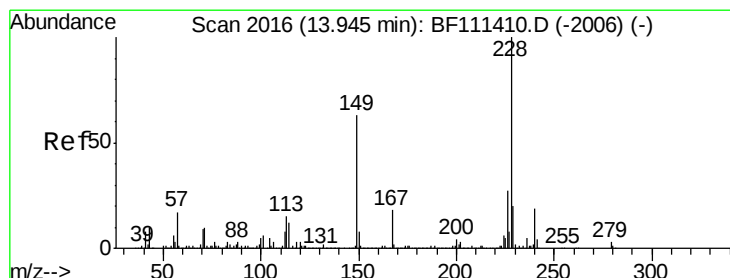
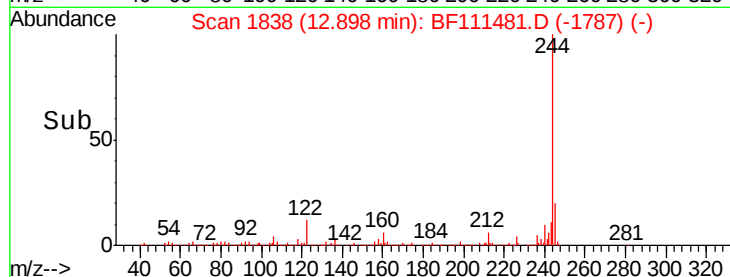
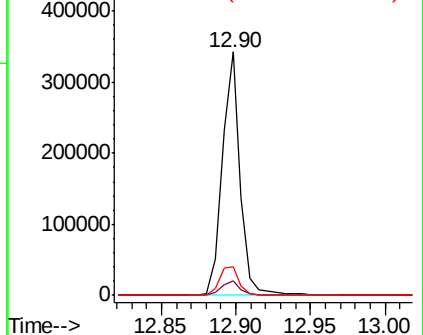
122 11.5 13.1 19.7#



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: 4.626 ng

RT: 13.94 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BF111481.D

Acq: 15 Dec 2018 21:02

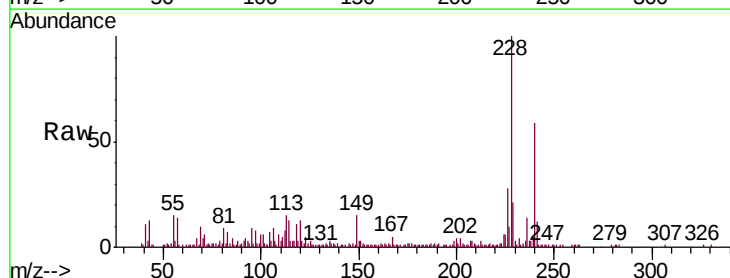
Tgt Ion:228 Resp: 70419

Ion Ratio Lower Upper

228 100

226 27.9 22.6 34.0

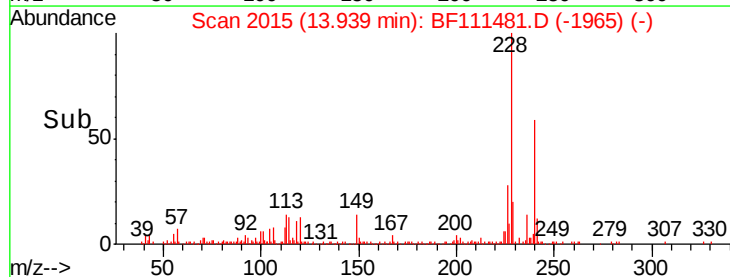
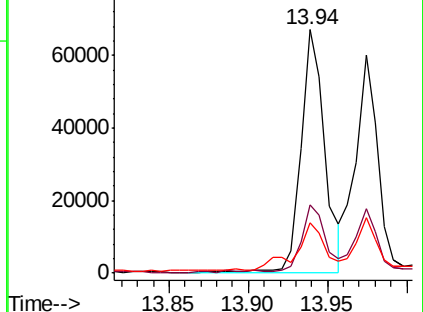
229 20.7 16.3 24.5

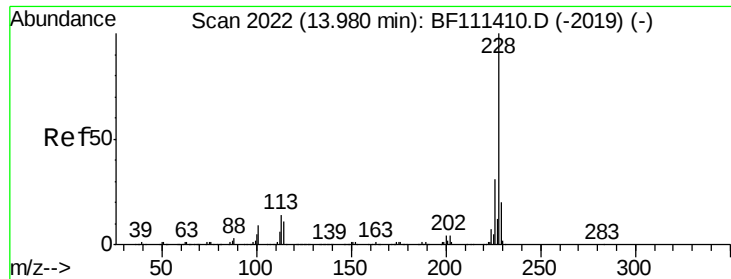


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

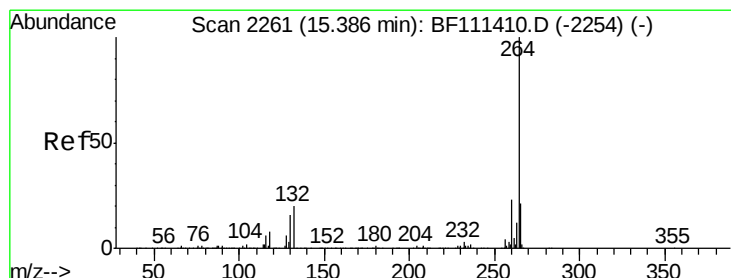
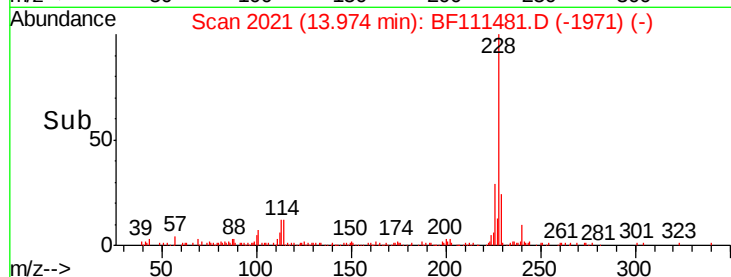
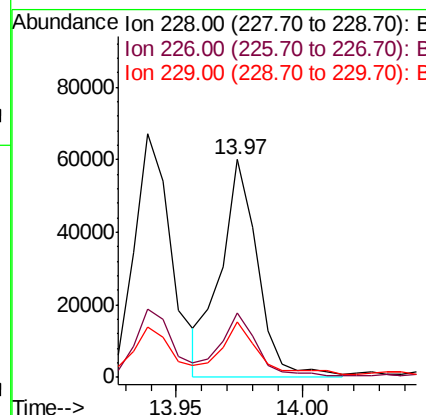
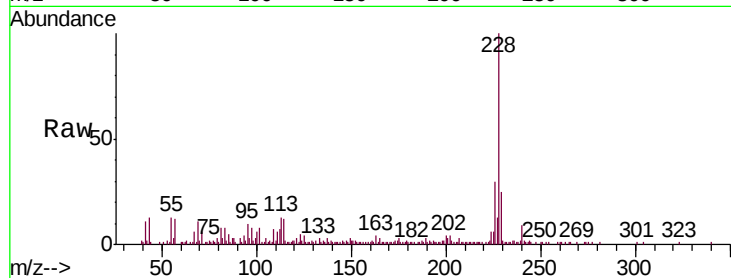




#83
Chrysene
Concen: 3.772 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF111481.D
Acq: 15 Dec 2018 21:02

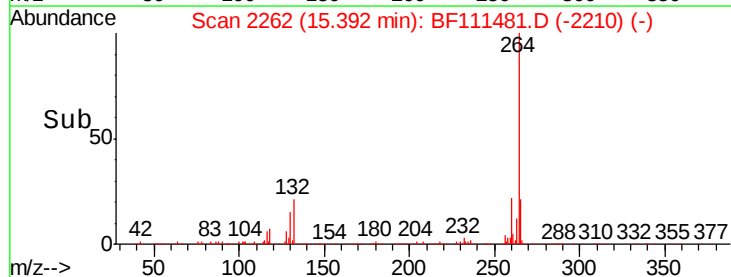
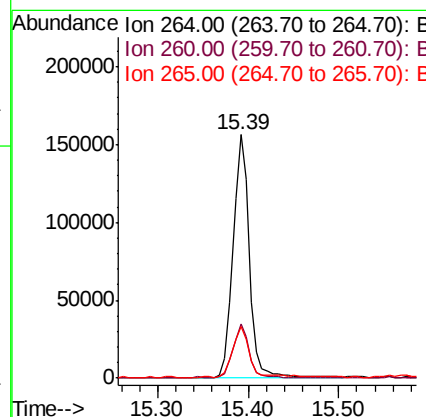
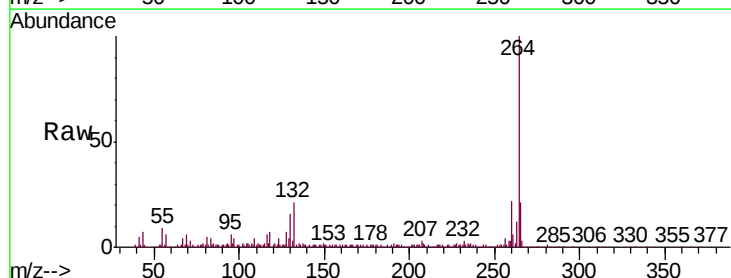
Instrument :
BNA_F
ClientSampleId :
NR38-C1-110718

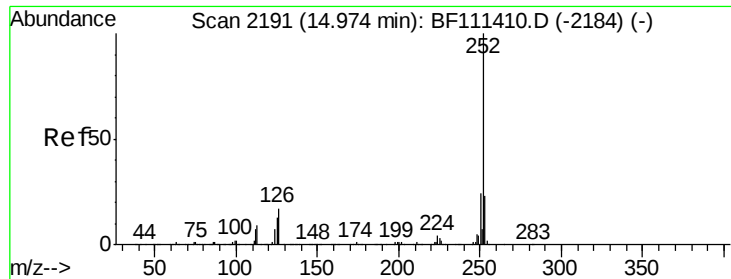
Tgt Ion:228 Resp: 60490
Ion Ratio Lower Upper
228 100
226 29.6 25.3 37.9
229 25.2 17.2 25.8



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.39 min Scan# 2262
Delta R.T. 0.01 min
Lab File: BF111481.D
Acq: 15 Dec 2018 21:02

Tgt Ion:264 Resp: 197523
Ion Ratio Lower Upper
264 100
260 22.4 18.3 27.5
265 21.3 17.7 26.5

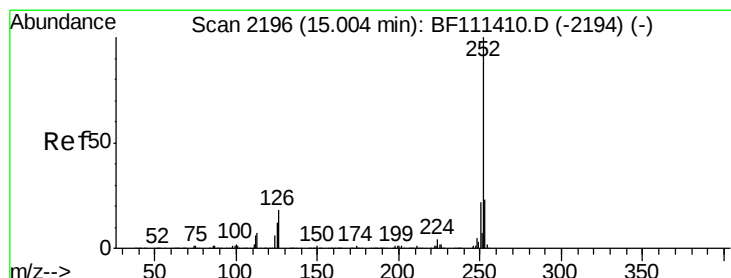
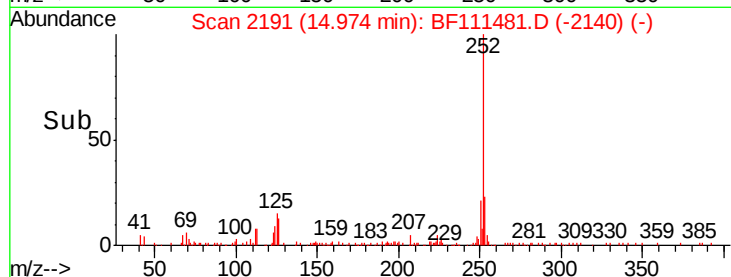
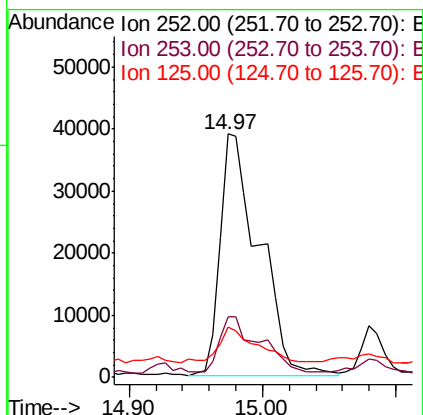
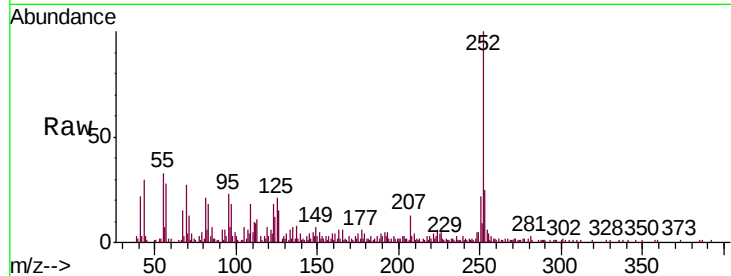




#88
Benzo(b)fluoranthene
Concen: 6.855 ng
RT: 14.97 min Scan# 2191
Delta R.T. -0.00 min
Lab File: BF111481.D
Acq: 15 Dec 2018 21:02

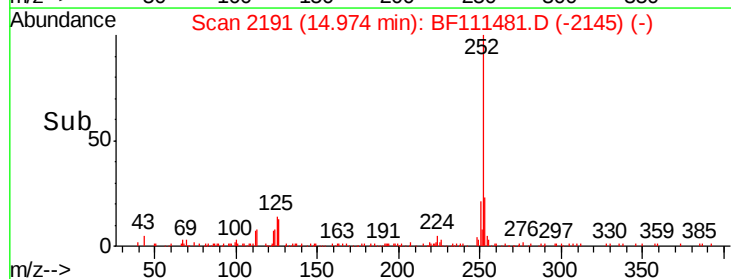
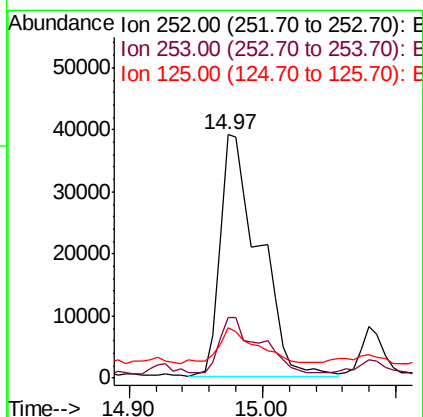
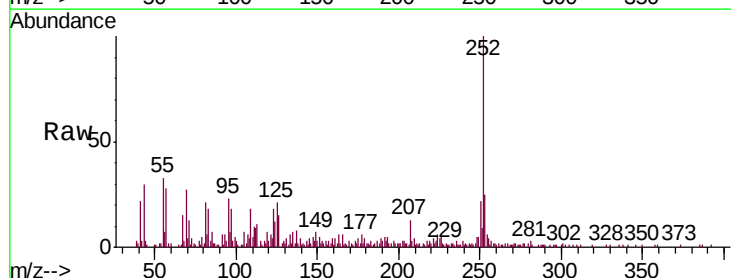
Instrument :
BNA_F
ClientSampleId :
NR38-C1-110718

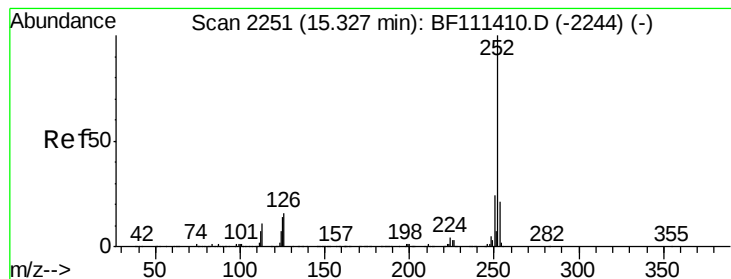
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.2	27.2
125	20.7	10.4	15.6#



#89
Benzo(k)fluoranthene
Concen: 7.174 ng
RT: 14.97 min Scan# 2191
Delta R.T. -0.03 min
Lab File: BF111481.D
Acq: 15 Dec 2018 21:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.1	27.1
125	20.7	9.8	14.8#





#90

Benzo(a)pyrene

Concen: 3.886 ng

RT: 15.33 min Scan# 2251

Delta R.T. -0.00 min

Lab File: BF111481.D

Acq: 15 Dec 2018 21:02

Instrument :

BNA_F

ClientSampleId :

NR38-C1-110718

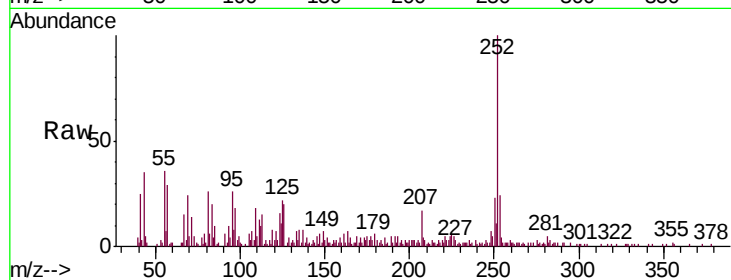
Tgt Ion: 252 Resp: 40358

Ion Ratio Lower Upper

252 100

253 23.8 17.8 26.8

125 21.9 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

