

Data File : BF111468.D
Acq On : 15 Dec 2018 15:03
Operator : JU/SJ
Sample : J6316-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BORING-SAMPLE-SIGNAL-TOWER-

Quant Time: Dec 16 00:43:18 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	174585	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	698822	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	315407	20.00	ng	0.00
64) Phenanthrene-d10	11.31	188	456826	20.00	ng	0.00
76) Chrysene-d12	13.95	240	335915	20.00	ng	0.00
87) Perylene-d12	15.39	264	320703	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	1048971	99.98	ng	0.00
7) Phenol-d6	6.44	99	1366682	97.93	ng	0.00
23) Nitrobenzene-d5	7.35	82	833211	71.00	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	218595	77.37	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1490139	72.98	ng	0.00
79) Terphenyl-d14	12.90	244	948525	66.31	ng	0.00

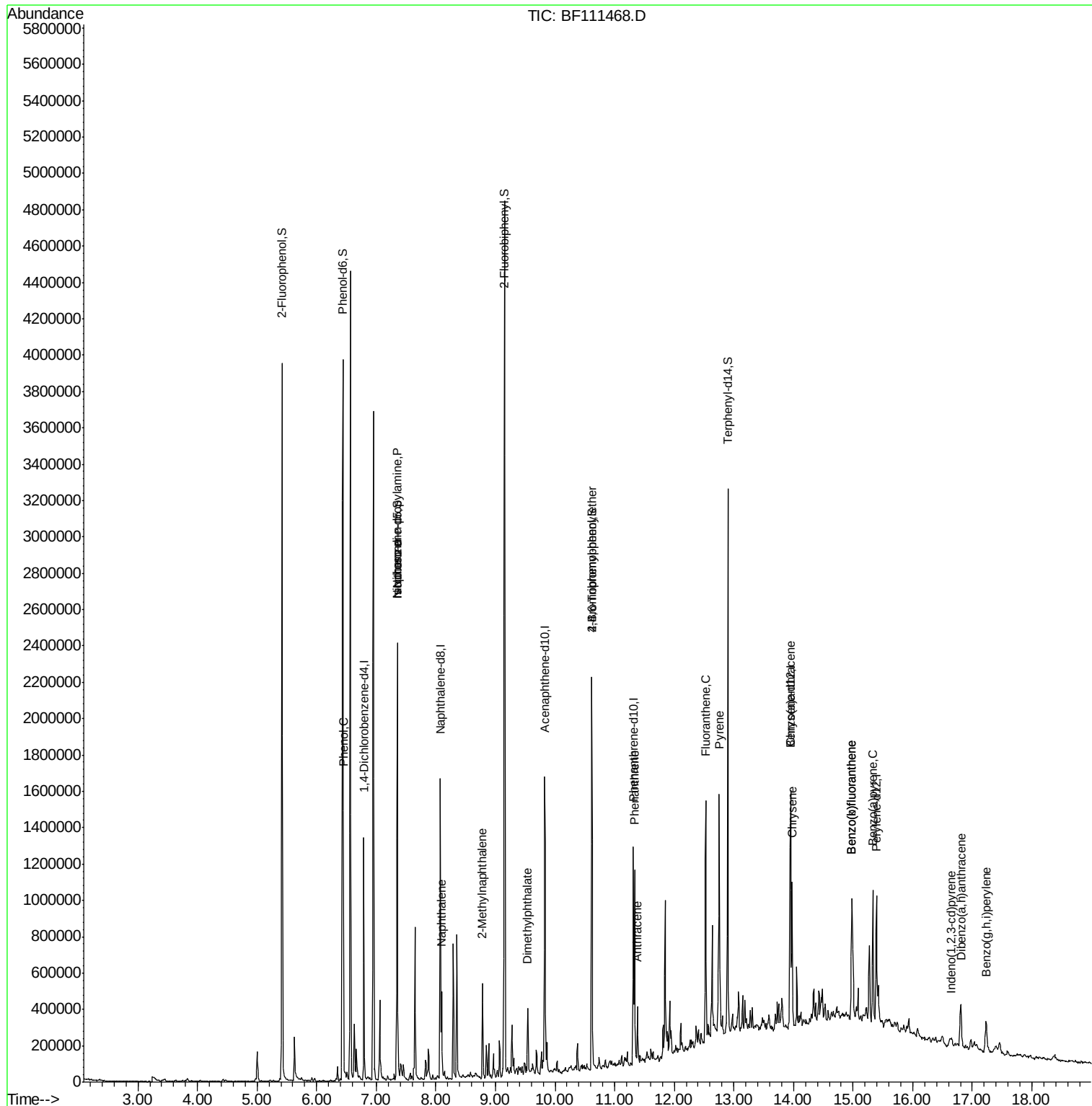
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.45	94	78325	5.038	ng	91
19) n-Nitroso-di-n-propylamine	7.36	70	110829	12.037	ng	# 76
25) Isophorone	7.35	82	833038	41.953	ng	# 64
31) Naphthalene	8.10	128	205454	6.286	ng	95
37) 2-Methylnaphthalene	8.79	142	54716	2.474	ng	# 75
50) Dimethylphthalate	9.55	163	141710	6.239	ng	98
67) 4-Bromophenyl-phenylether	10.62	248	14413	2.927	ng	# 1
71) Phenanthrene	11.33	178	389615	16.552	ng	95
72) Anthracene	11.39	178	109239	4.538	ng	95
75) Fluoranthene	12.53	202	486998	21.148	ng	95
78) Pyrene	12.75	202	585098	24.705	ng	96
81) Benzo(a)anthracene	13.94	228	317185	17.366	ng	100
83) Chrysene	13.97	228	302004	15.696	ng	98
86) Indeno(1,2,3-cd)pyrene	16.66	276	29391	2.116	ng	95
88) Benzo(b)fluoranthene	14.98	252	510871	27.323	ng	98
89) Benzo(k)fluoranthene	14.98	252	510871	28.595	ng	97
90) Benzo(a)pyrene	15.33	252	334987	19.868	ng	98
91) Dibenzo(a,h)anthracene	16.82	278	37465	2.817	ng	95
92) Benzo(g,h,i)perylene	17.23	276	137821	10.557	ng	94

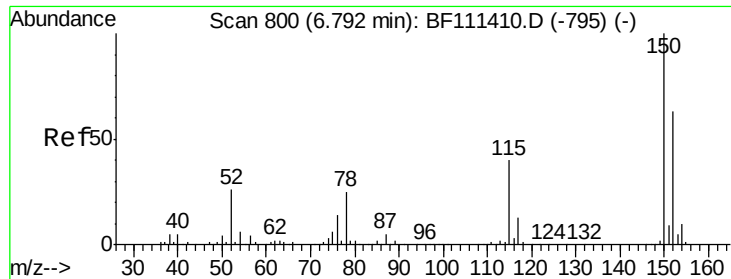
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

ClientSampleId :

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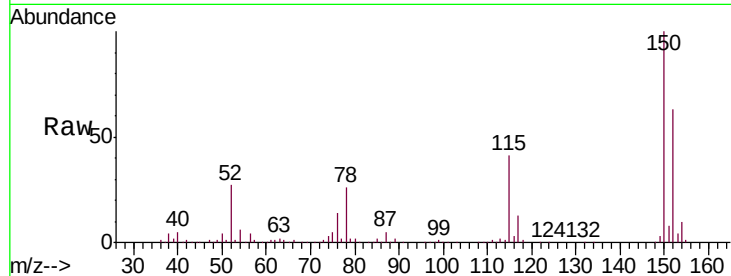
Tgt Ion:152 Resp: 174585

Ion Ratio Lower Upper

152 100

150 157.6 126.6 189.8

115 64.4 50.7 76.1

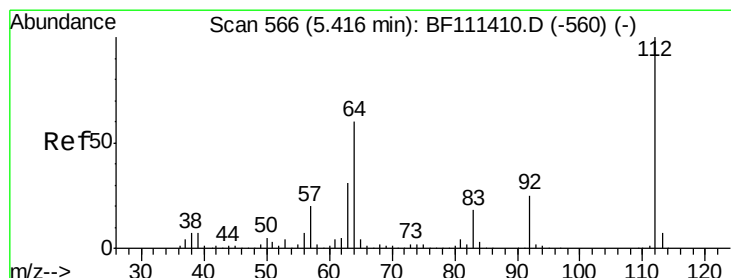
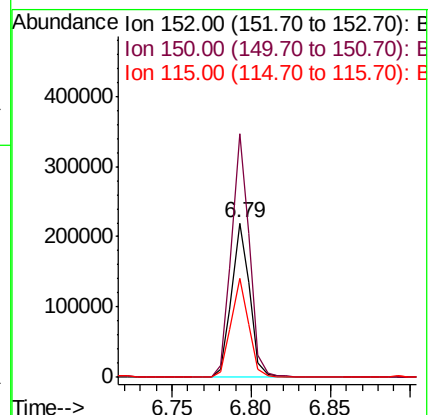
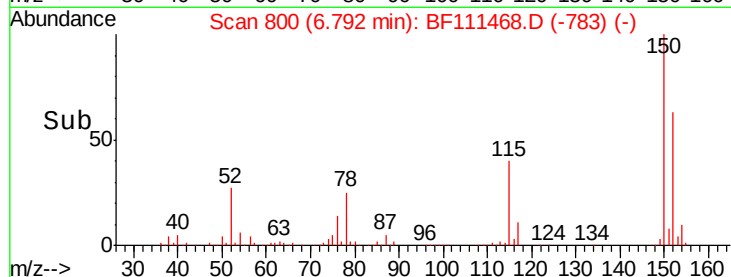


Abundance

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: 99.983 ng

RT: 5.42 min Scan# 567

Delta R.T. 0.01 min

Lab File: BF111468.D

Acq: 15 Dec 2018 15:03

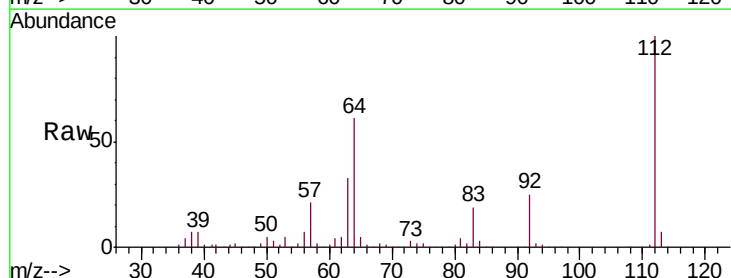
Tgt Ion:112 Resp: 1048971

Ion Ratio Lower Upper

112 100

64 61.1 51.8 77.6

63 32.5 26.8 40.2

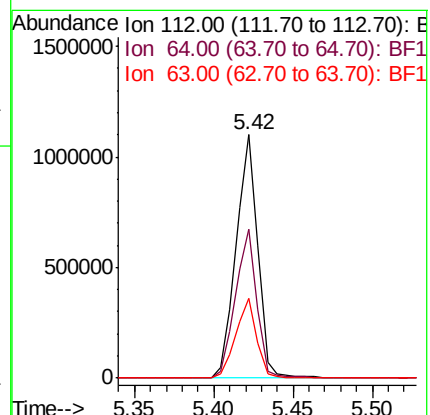
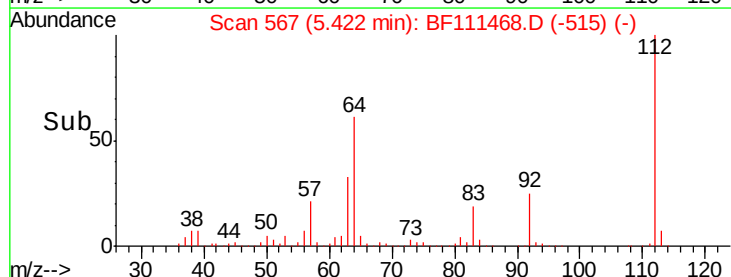


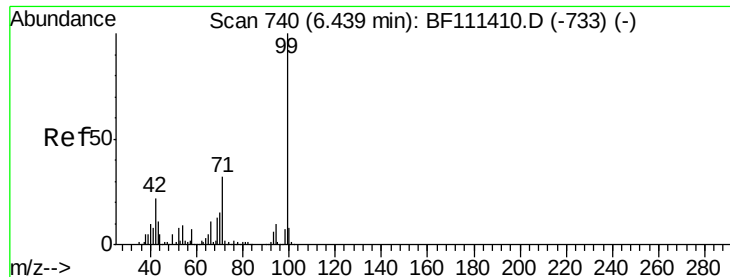
Abundance

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: 97.931 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF111468.D

Acq: 15 Dec 2018 15:03

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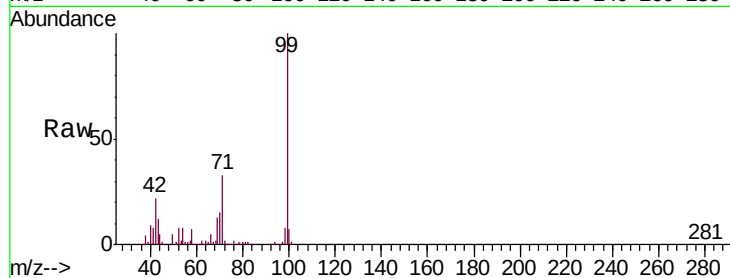
Tgt Ion: 99 Resp: 1366682

Ion Ratio Lower Upper

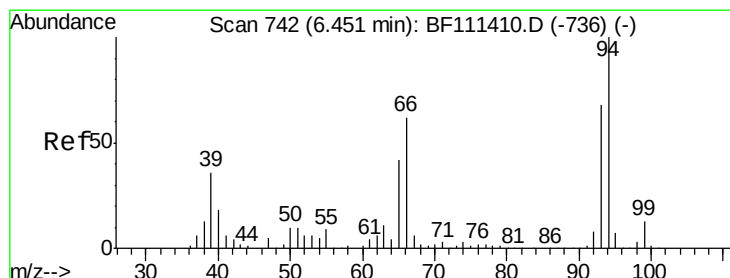
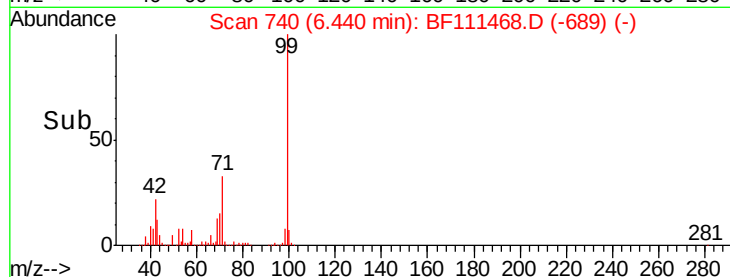
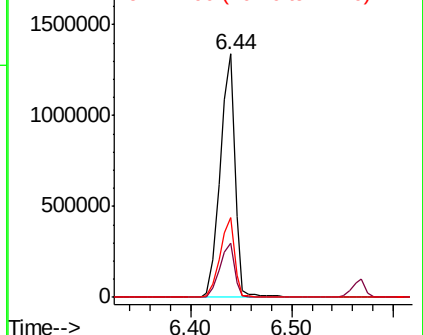
99 100

42 22.3 17.4 26.0

71 32.9 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: 5.038 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.00 min

Lab File: BF111468.D

Acq: 15 Dec 2018 15:03

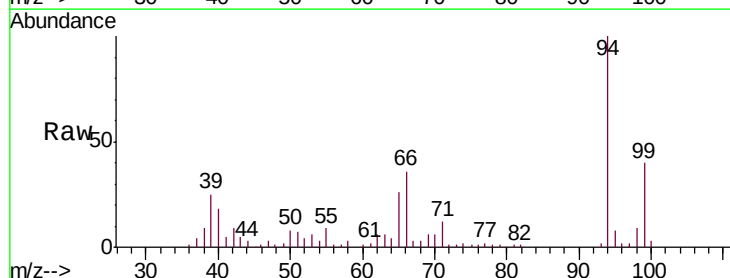
Tgt Ion: 94 Resp: 78325

Ion Ratio Lower Upper

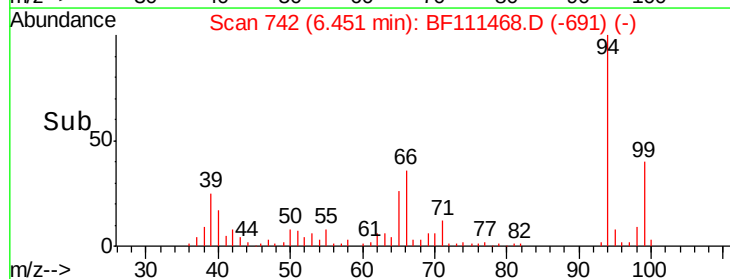
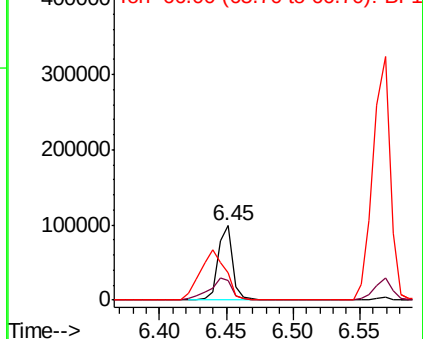
94 100

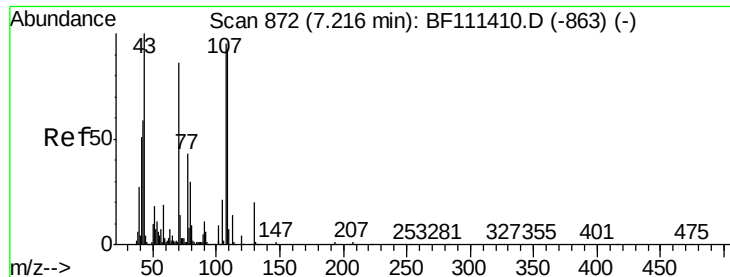
65 26.3 11.7 51.7

66 36.0 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

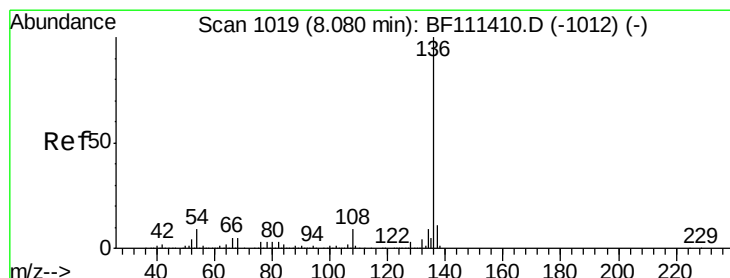
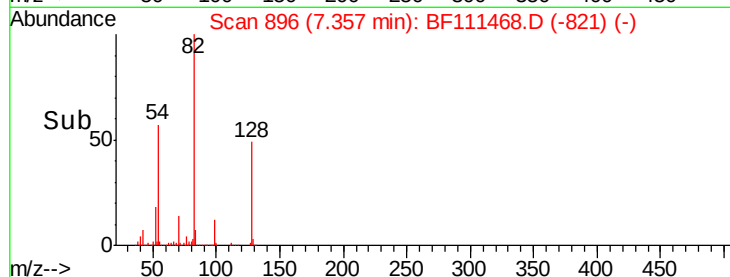
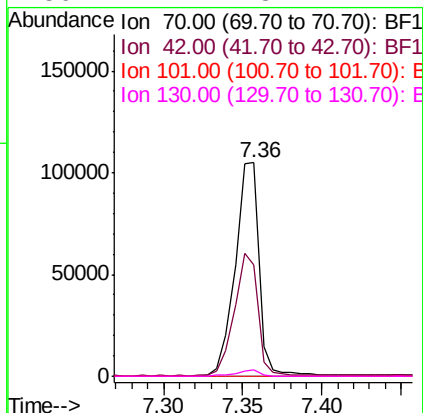
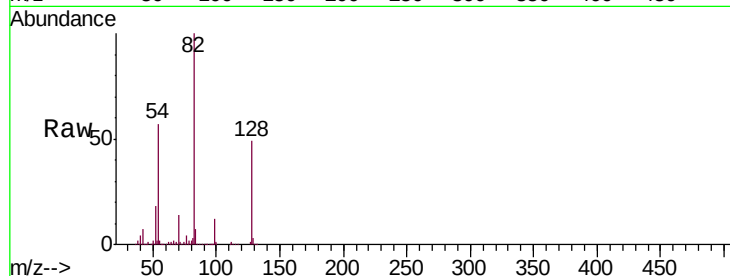




#19
n-Nitroso-di-n-propylamine
Concen: 12.037 ng
RT: 7.36 min Scan# 896
Delta R.T. 0.14 min
Lab File: BF111468.D
Acq: 15 Dec 2018 15:03

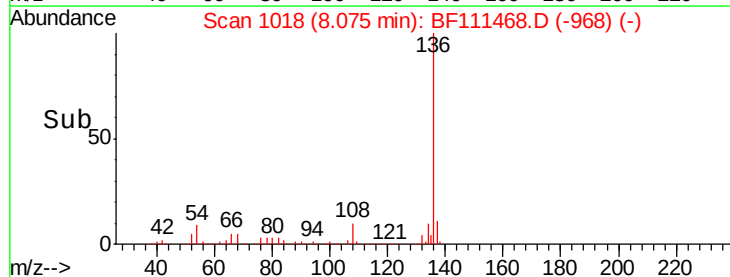
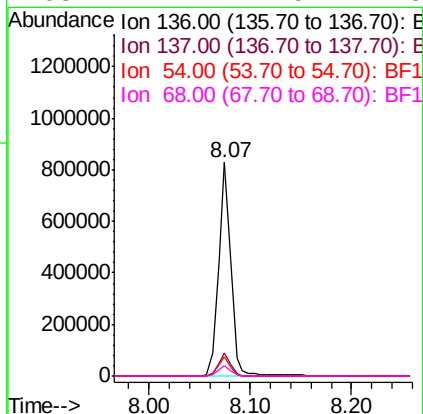
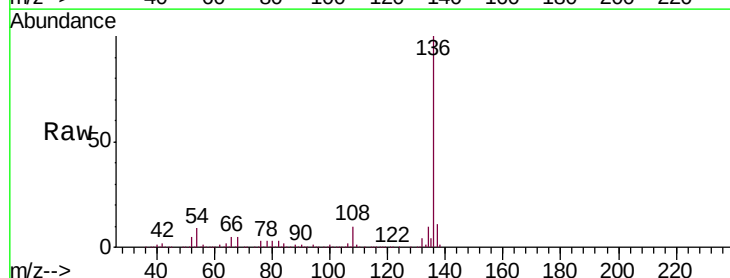
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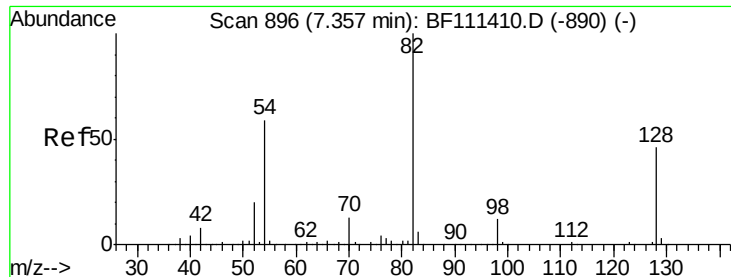
Tgt Ion: 70 Resp: 110829
Ion Ratio Lower Upper
70 100
42 51.9 53.2 79.8#
101 0.0 8.2 12.4#
130 2.7 18.1 27.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF111468.D
Acq: 15 Dec 2018 15:03

Tgt Ion: 136 Resp: 698822
Ion Ratio Lower Upper
136 100
137 11.0 9.1 13.7
54 8.9 7.7 11.5
68 4.7 4.9 7.3#

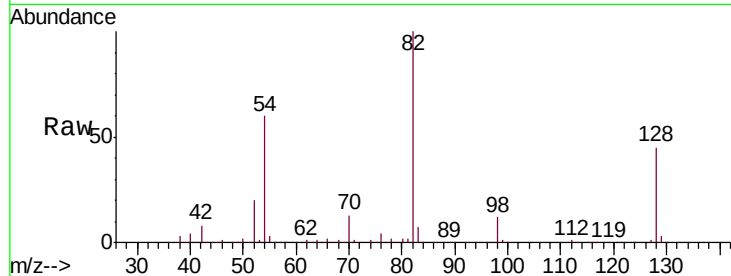




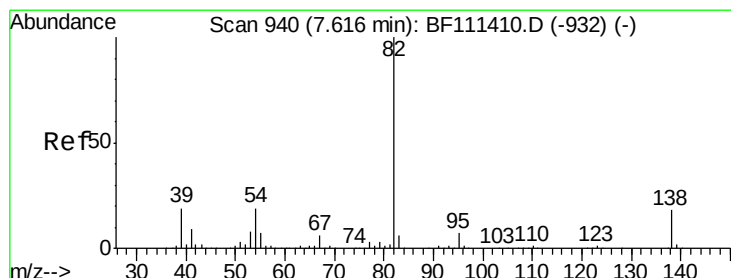
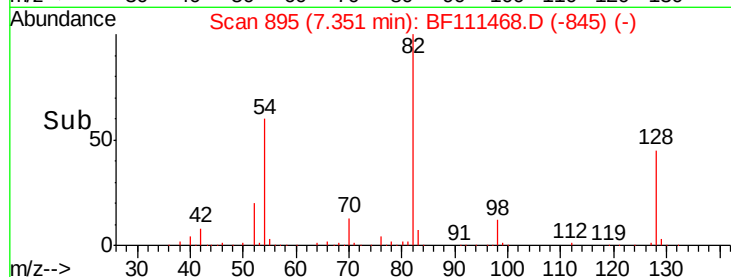
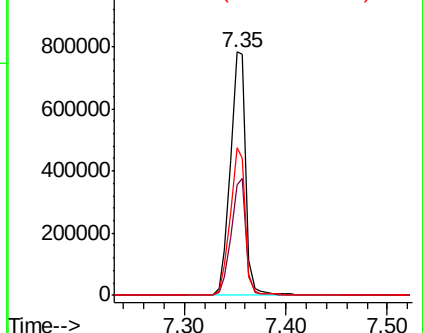
#23
 Nitrobenzene-d5
 Concen: 71.000 ng
 RT: 7.35 min Scan# 895
 Delta R.T. -0.01 min
 Lab File: BF111468.D
 Acq: 15 Dec 2018 15:03

Instrument :
 BNA_F
 ClientSampleId :
 BORING-SAMPLE-SIGNAL-TOWER-

Tgt Ion: 82 Resp: 833211
 Ion Ratio Lower Upper
 82 100
 128 45.2 37.4 56.2
 54 60.4 47.6 71.4

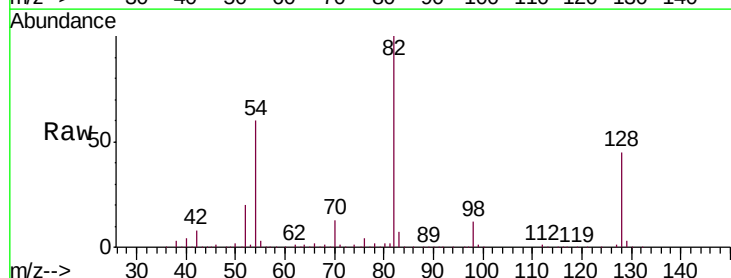


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

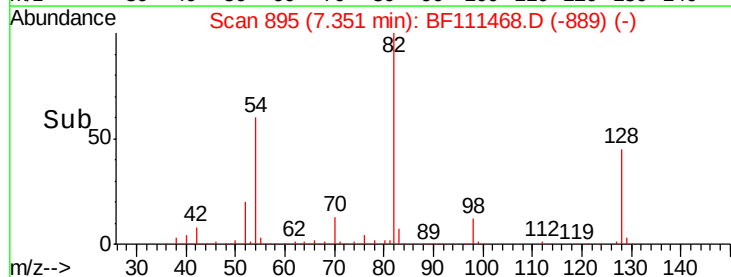
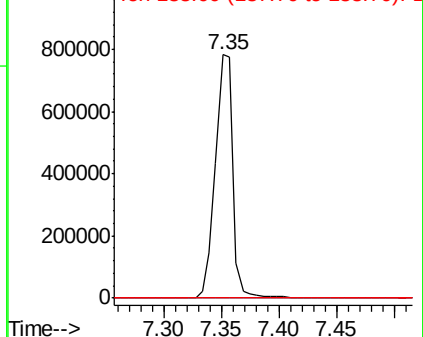


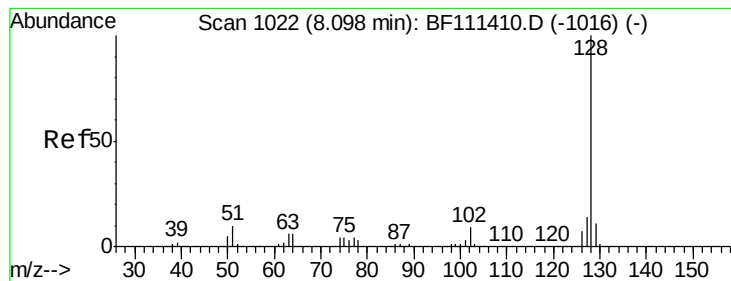
#25
 Isophorone
 Concen: 41.953 ng
 RT: 7.35 min Scan# 895
 Delta R.T. -0.26 min
 Lab File: BF111468.D
 Acq: 15 Dec 2018 15:03

Tgt Ion: 82 Resp: 833038
 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





#31

Naphthalene

Concen: 6.286 ng

RT: 8.10 min Scan# 1022

Delta R.T. 0.00 min

Lab File: BF111468.D

Acq: 15 Dec 2018 15:03

Instrument :

BNA_F

ClientSampleId :

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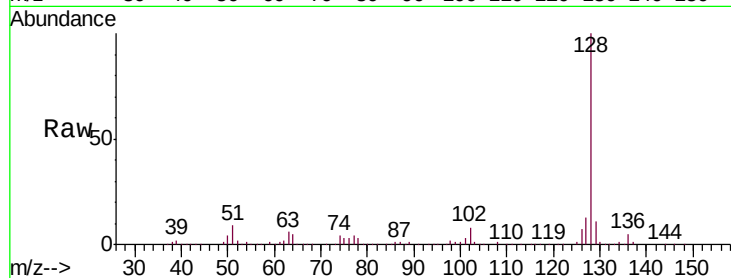
Tgt Ion:128 Resp: 205454

Ion Ratio Lower Upper

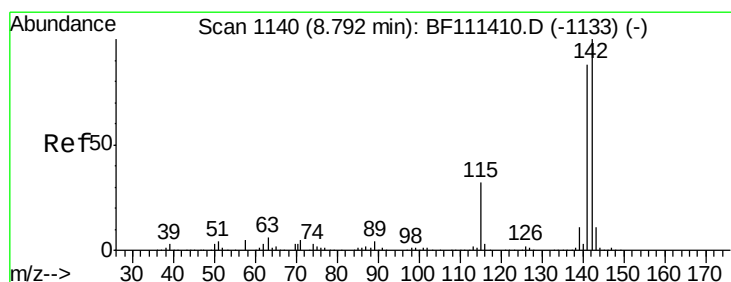
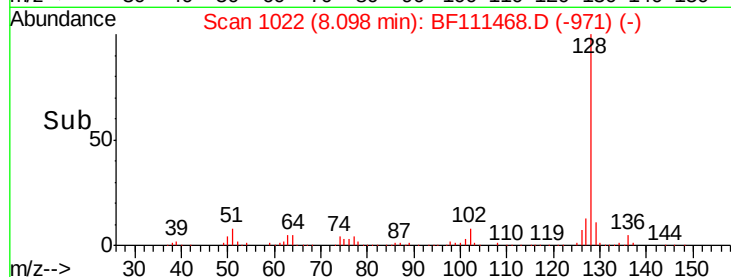
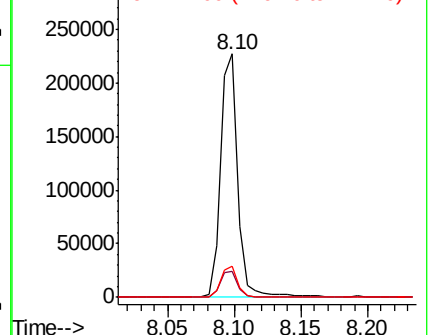
128 100

129 10.8 9.8 14.8

127 12.6 12.0 18.0



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#37

2-Methylnaphthalene

Concen: 2.474 ng

RT: 8.79 min Scan# 1139

Delta R.T. -0.01 min

Lab File: BF111468.D

Acq: 15 Dec 2018 15:03

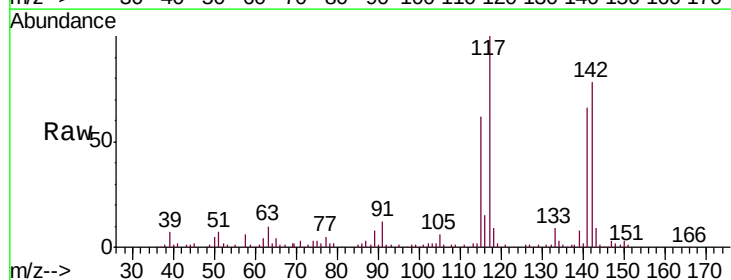
Tgt Ion:142 Resp: 54716

Ion Ratio Lower Upper

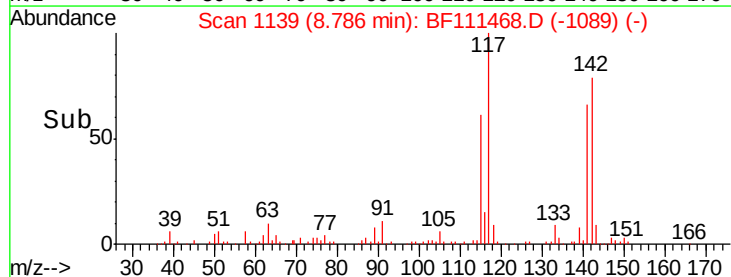
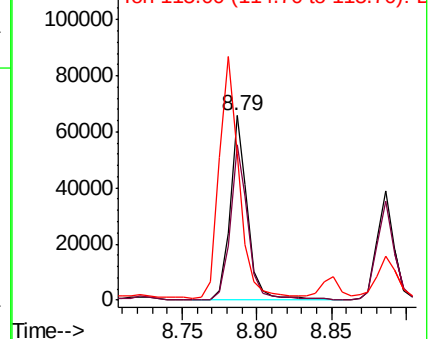
142 100

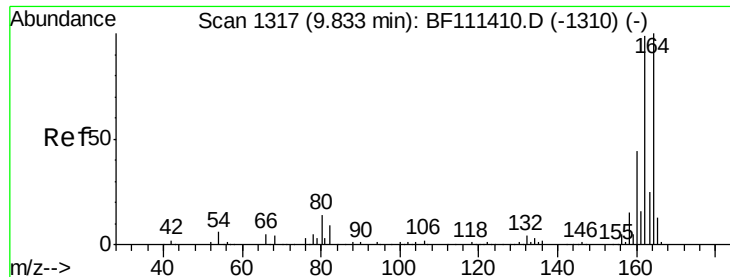
141 83.8 70.6 105.8

115 79.2 27.0 40.6#



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.01 min

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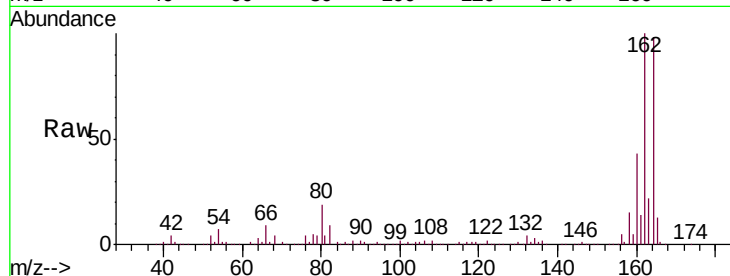
Tgt Ion:164 Resp: 315407

Ion Ratio Lower Upper

164 100

162 101.9 81.4 122.0

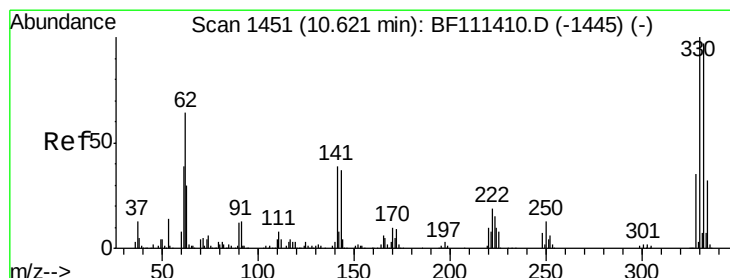
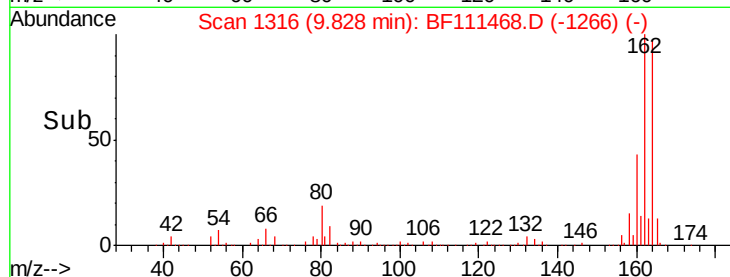
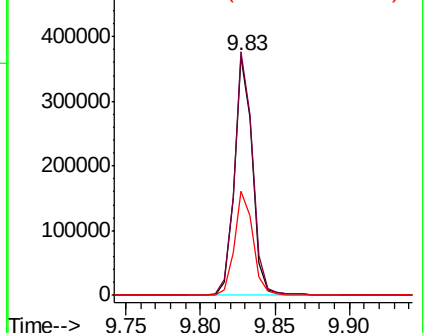
160 43.7 35.7 53.5



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: 77.368 ng

RT: 10.62 min Scan# 1450

Delta R.T. -0.01 min

Lab File: BF111468.D

Acq: 15 Dec 2018 15:03

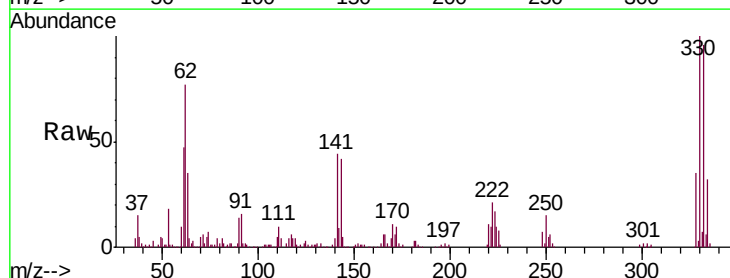
Tgt Ion:330 Resp: 218595

Ion Ratio Lower Upper

330 100

332 95.1 76.0 114.0

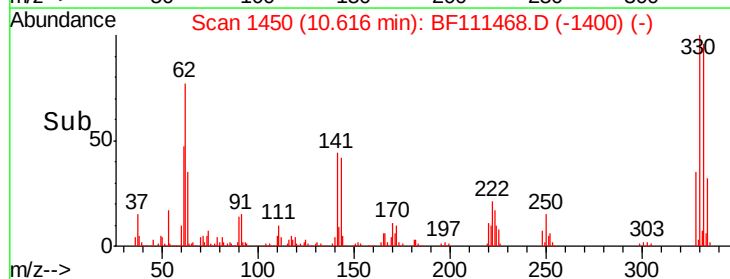
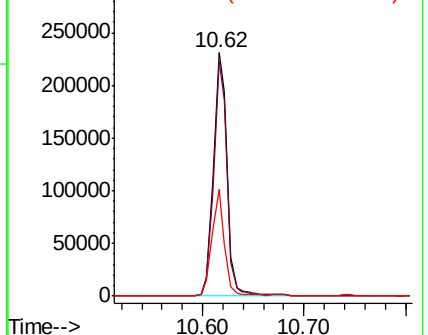
141 39.2 31.0 46.6

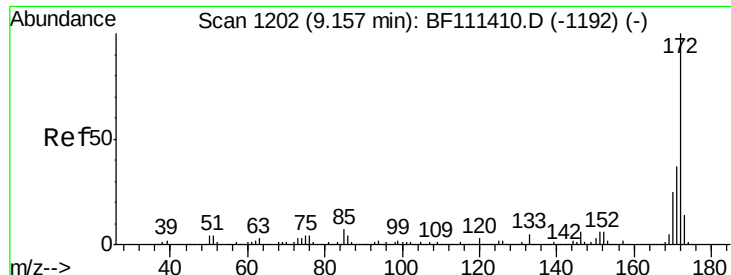


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

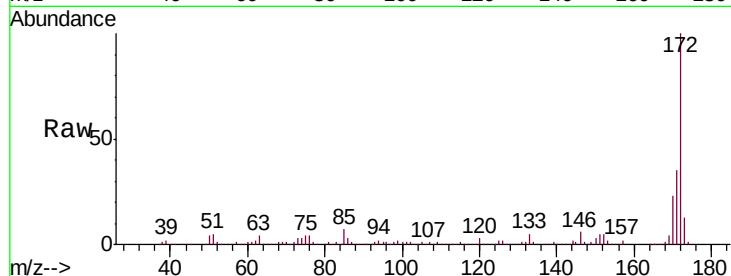




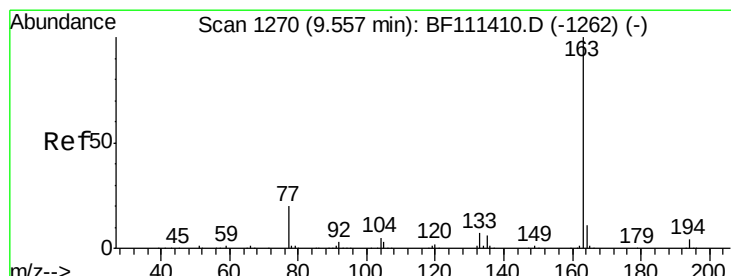
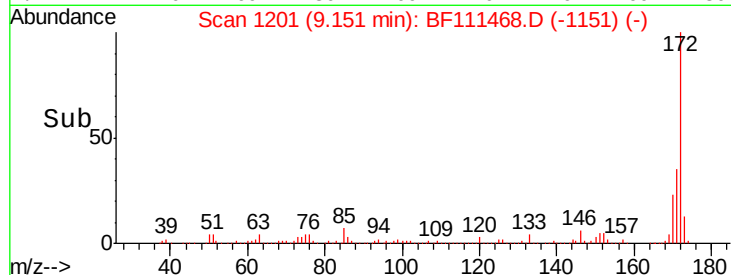
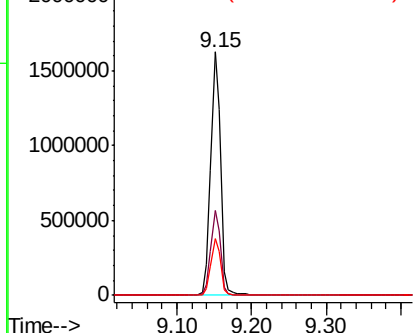
#45
 2-Fluorobiphenyl
 Concen: 72.976 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF111468.D
 Acq: 15 Dec 2018 15:03

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Tgt Ion:172 Resp: 1490139
 Ion Ratio Lower Upper
 172 100
 171 34.8 33.0 49.4
 170 23.5 22.3 33.5

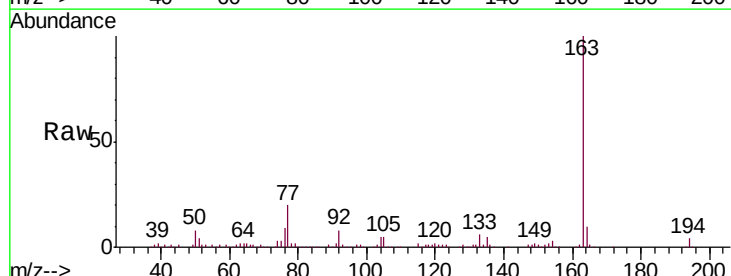


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

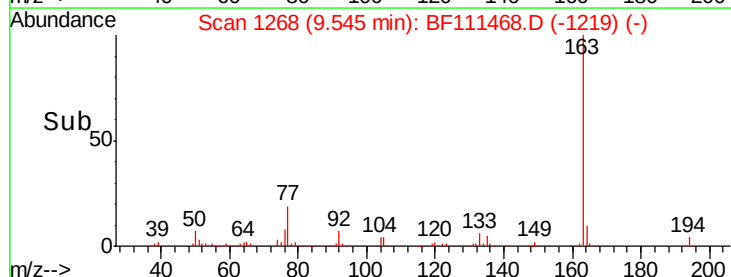
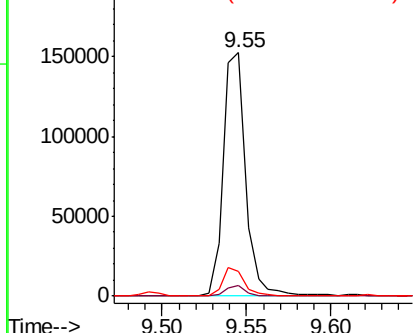


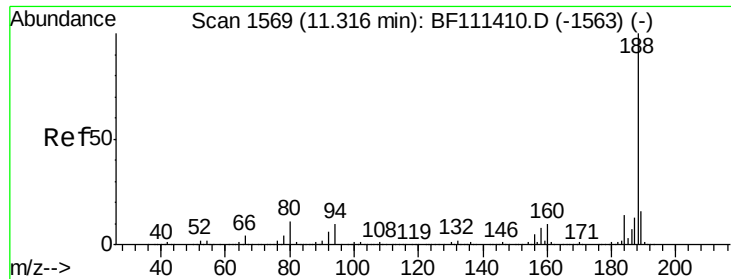
#50
 Dimethylphthalate
 Concen: 6.239 ng
 RT: 9.55 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: BF111468.D
 Acq: 15 Dec 2018 15:03

Tgt Ion:163 Resp: 141710
 Ion Ratio Lower Upper
 163 100
 194 4.3 3.0 4.6
 164 10.3 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

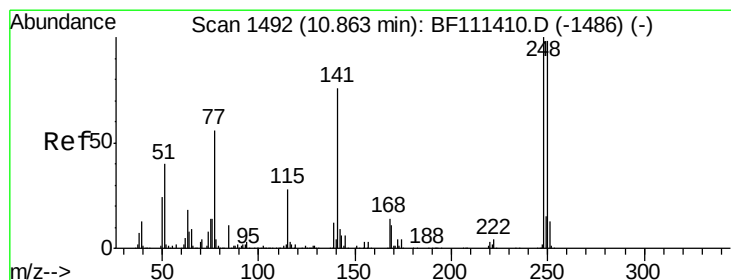
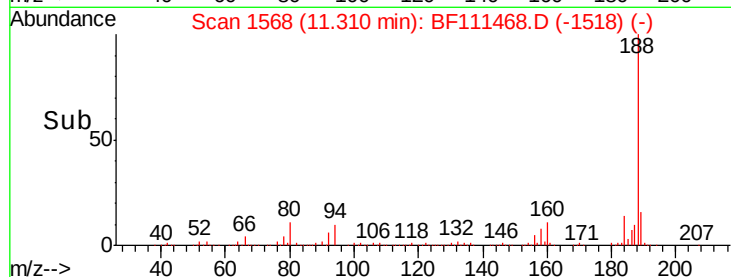
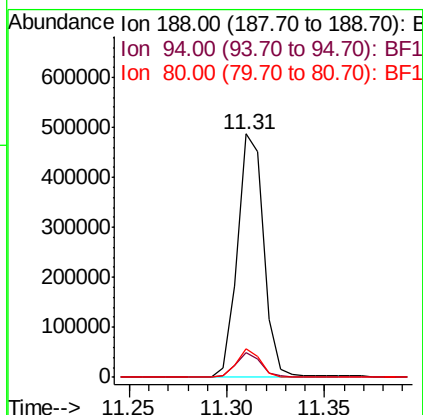
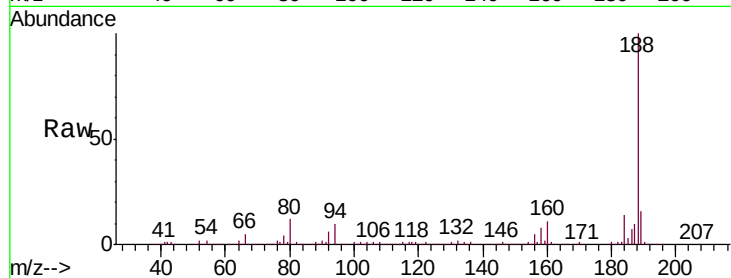




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF111468.D
Acq: 15 Dec 2018 15:03

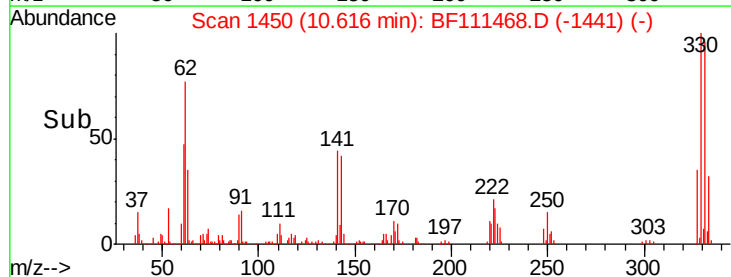
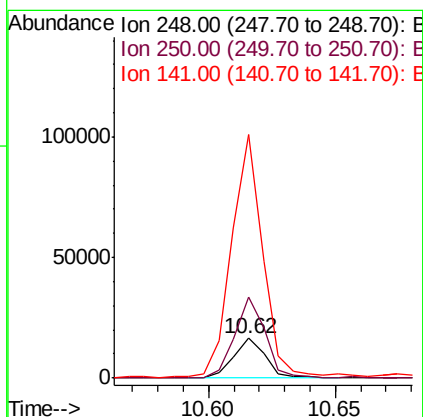
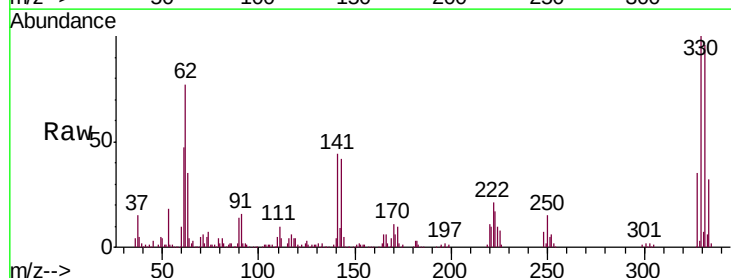
Instrument :
BNA_F
ClientSampleId :
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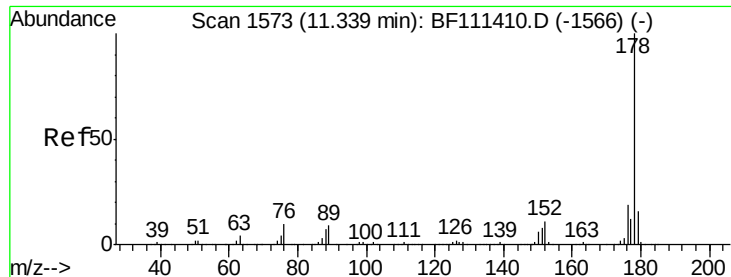
Tgt Ion:188 Resp: 456826
Ion Ratio Lower Upper
188 100
94 10.3 9.6 14.4
80 11.6 9.8 14.6



#67
4-Bromophenyl-phenylether
Concen: 2.927 ng
RT: 10.62 min Scan# 1450
Delta R.T. -0.25 min
Lab File: BF111468.D
Acq: 15 Dec 2018 15:03

Tgt Ion:248 Resp: 14413
Ion Ratio Lower Upper
248 100
250 202.1 77.0 115.4#
141 607.7 63.0 94.6#

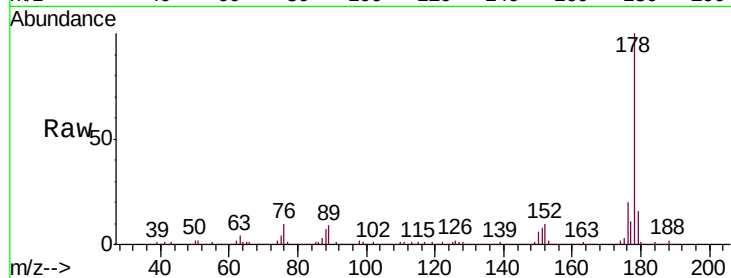




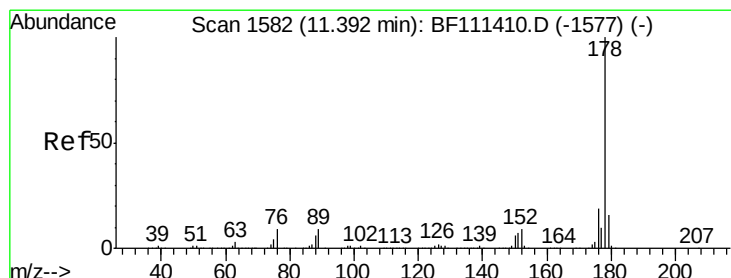
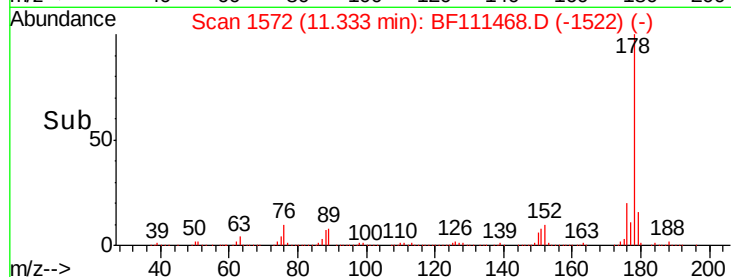
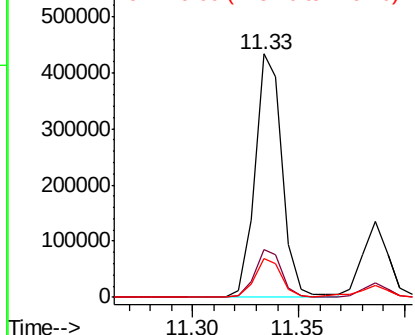
#71
Phenanthrene
Concen: 16.552 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF111468.D
Acq: 15 Dec 2018 15:03

Instrument :
BNA_F
ClientSampleId :
BORING-SAMPLE-SIGNAL-TOWER-

Tgt Ion:178 Resp: 389615
Ion Ratio Lower Upper
178 100
176 19.8 18.1 27.1
179 16.0 14.0 21.0

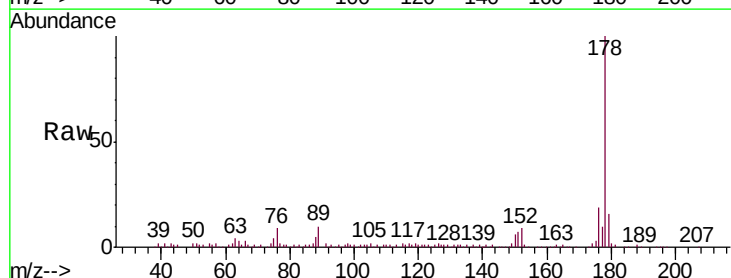


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

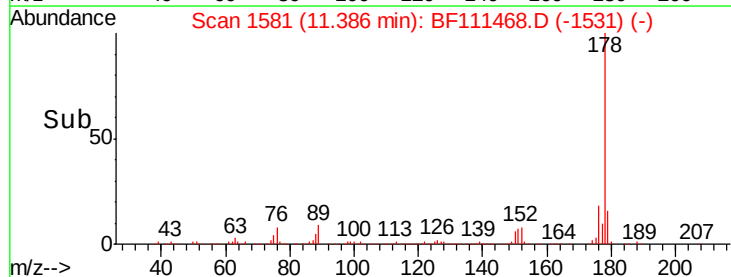
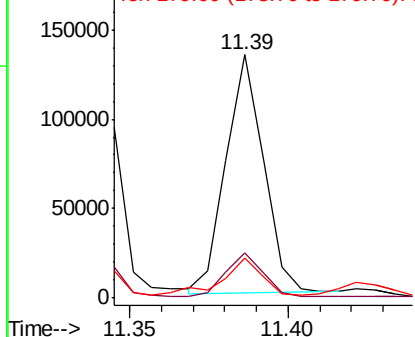


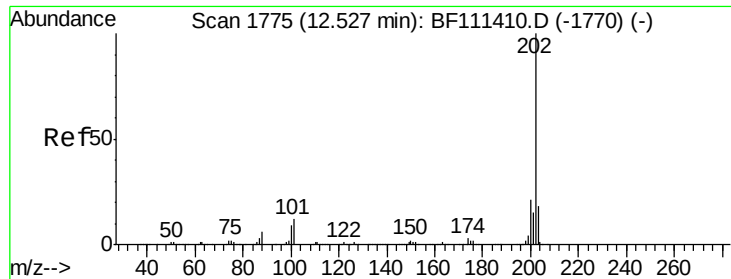
#72
Anthracene
Concen: 4.538 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF111468.D
Acq: 15 Dec 2018 15:03

Tgt Ion:178 Resp: 109239
Ion Ratio Lower Upper
178 100
176 18.5 17.2 25.8
179 16.2 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: 21.148 ng

RT: 12.53 min Scan# 1775

Delta R.T. 0.00 min

Lab File: BF111468.D

Acq: 15 Dec 2018 15:03

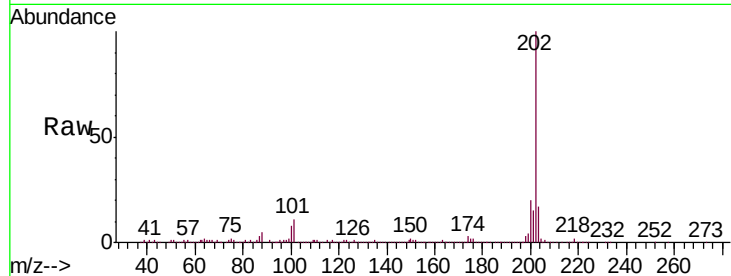
Instrument :

BNA_F

ClientSampleId :

BORING-SAMPLE-SIGNAL-TOWER-

Tgt Ion:	202	Resp:	486998
Ion Ratio	Lower	Upper	
202	100		
101	11.1	0.0	33.8
203	17.3	0.0	38.6

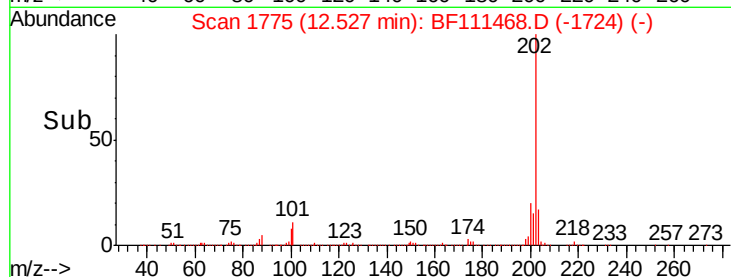


Abundance Ion 202.00 (201.70 to 202.70): E

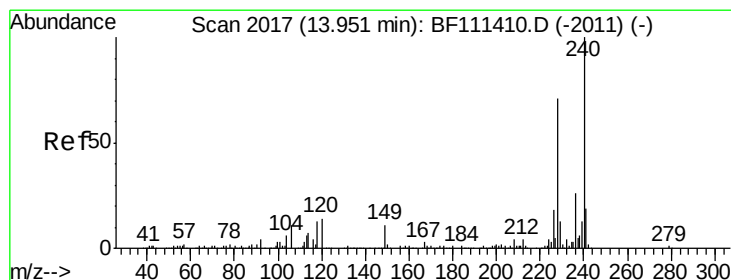
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

12.53



Time-->



#76

Chrysene-d12

Concen: 20.000 ng

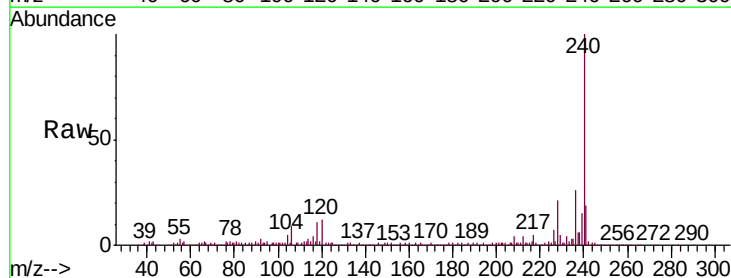
RT: 13.95 min Scan# 2017

Delta R.T. 0.00 min

Lab File: BF111468.D

Acq: 15 Dec 2018 15:03

Tgt Ion:	240	Resp:	335915
Ion Ratio	Lower	Upper	
240	100		
120	11.7	12.2	18.2#
236	26.4	20.2	30.2

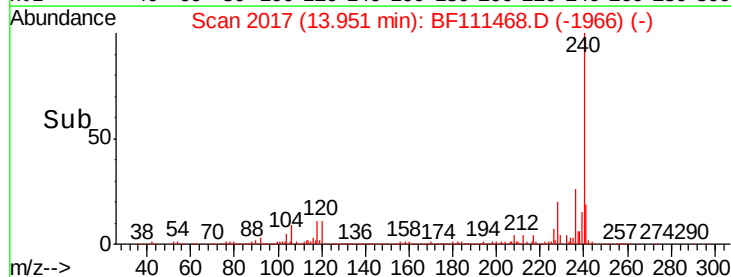


Abundance Ion 240.00 (239.70 to 240.70): E

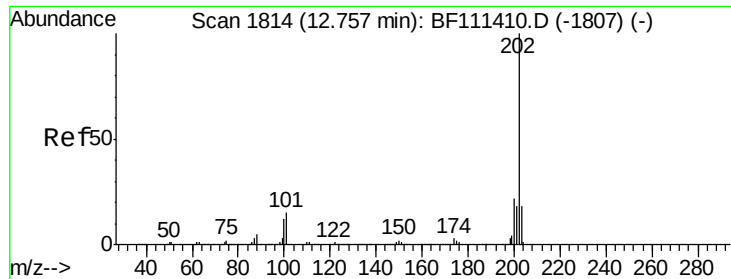
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

13.95



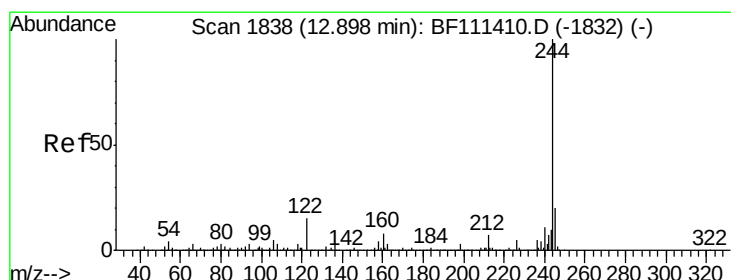
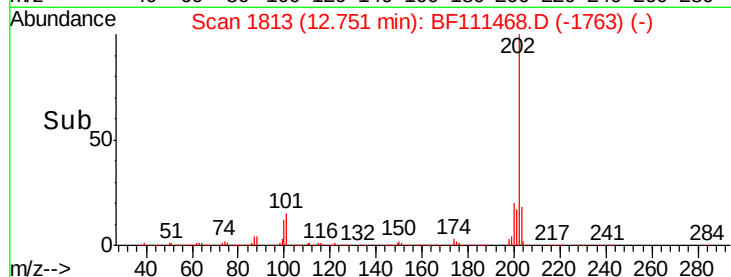
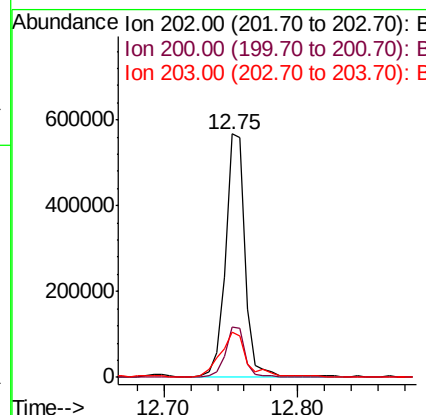
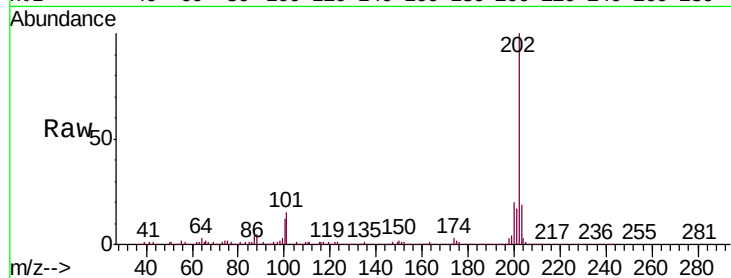
Time-->



#78
 Pyrene
 Concen: 24.705 ng
 RT: 12.75 min Scan# 1813
 Delta R.T. -0.01 min
 Lab File: BF111468.D
 Acq: 15 Dec 2018 15:03

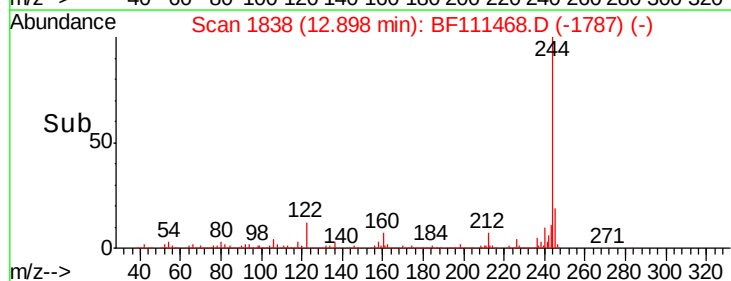
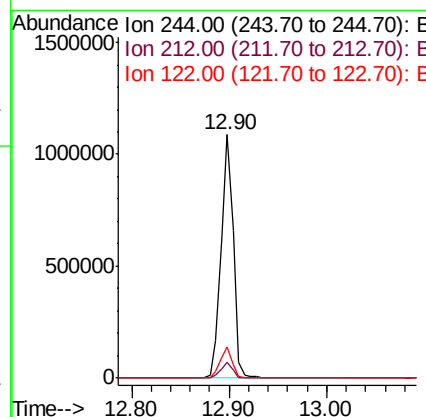
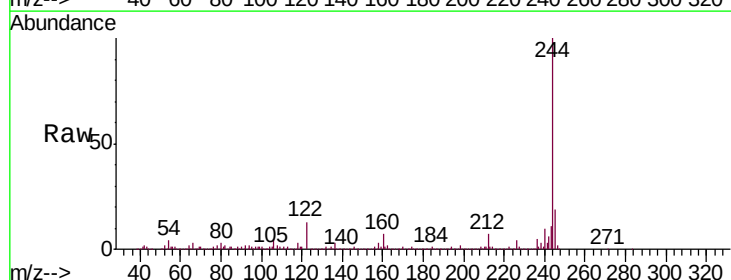
Instrument :
 BNA_F
 ClientSampleId :
 BORING-SAMPLE-SIGNAL-TOWER-

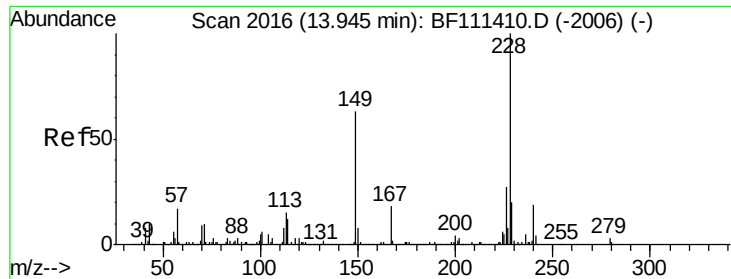
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.5	19.0	28.4
203	18.7	15.2	22.8



#79
 Terphenyl-d14
 Concen: 66.307 ng
 RT: 12.90 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: BF111468.D
 Acq: 15 Dec 2018 15:03

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.7	8.5
122	12.5	13.1	19.7#

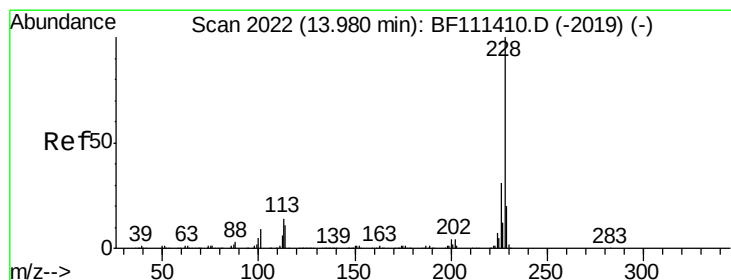
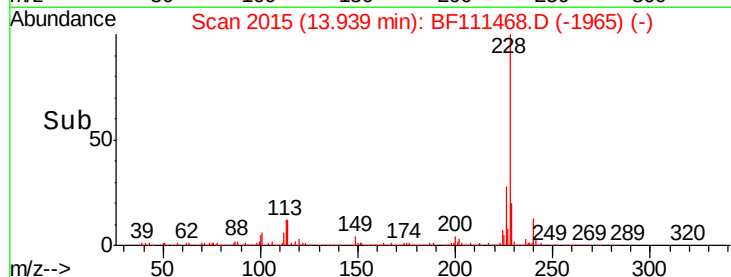
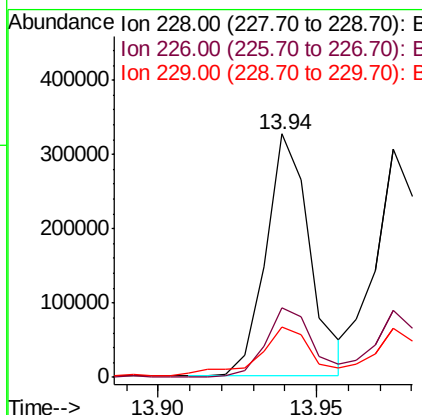
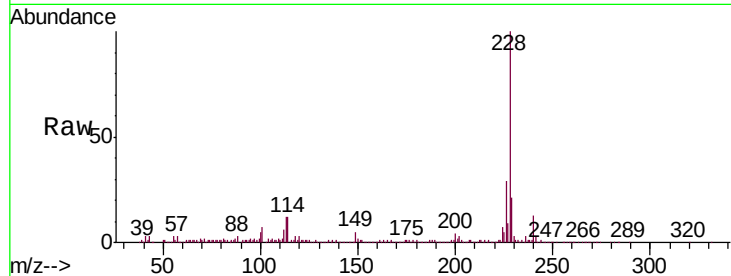




#81
Benzo(a)anthracene
Concen: 17.366 ng
RT: 13.94 min Scan# 2015
Delta R.T. -0.01 min
Lab File: BF111468.D
Acq: 15 Dec 2018 15:03

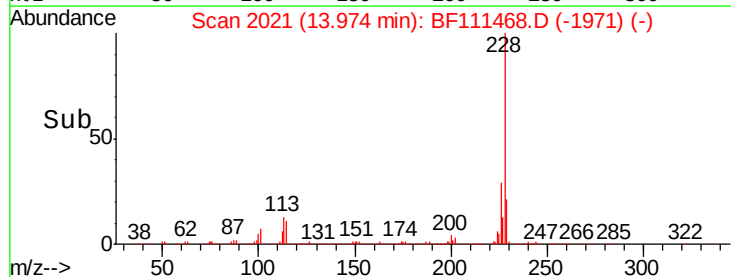
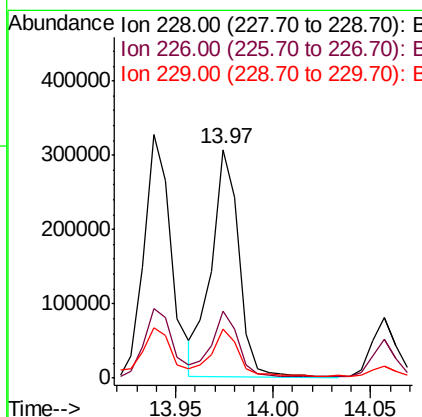
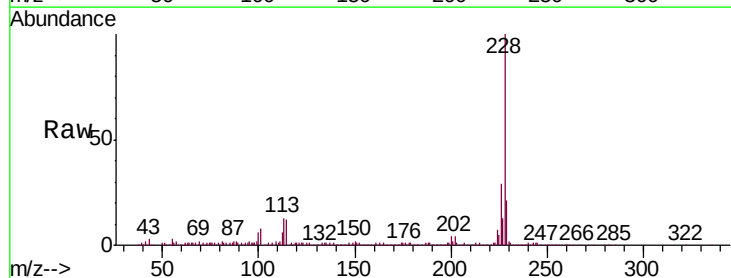
Instrument :
BNA_F
ClientSampleId :
BORING-SAMPLE-SIGNAL-TOWER-

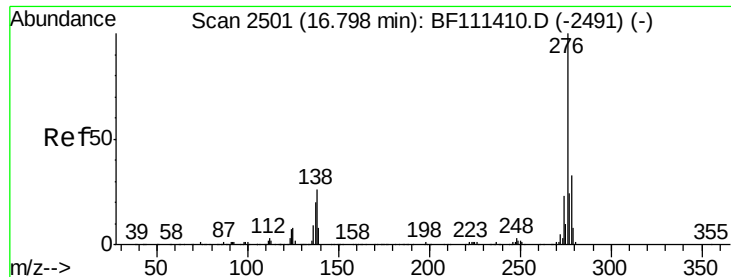
Tgt Ion:228 Resp: 317185
Ion Ratio Lower Upper
228 100
226 28.5 22.6 34.0
229 20.7 16.3 24.5



#83
Chrysene
Concen: 15.696 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF111468.D
Acq: 15 Dec 2018 15:03

Tgt Ion:228 Resp: 302004
Ion Ratio Lower Upper
228 100
226 29.4 25.3 37.9
229 21.4 17.2 25.8

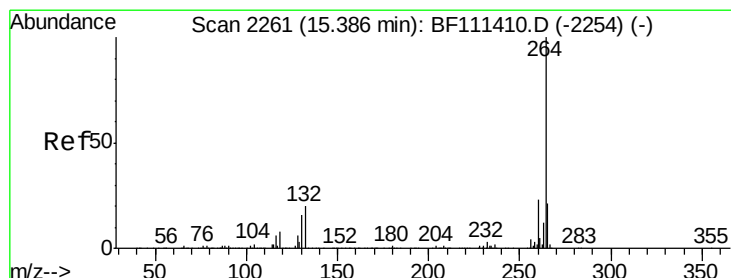
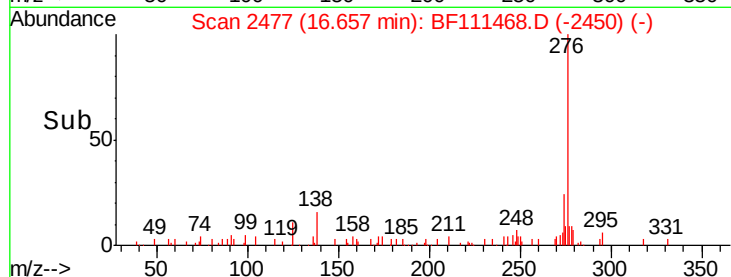
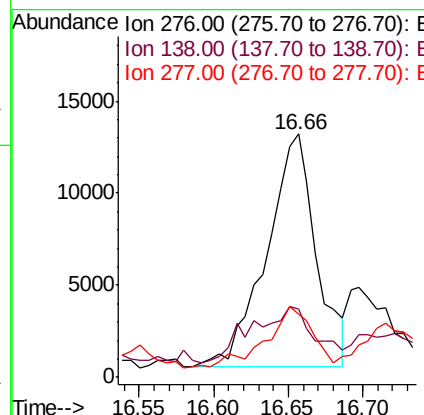
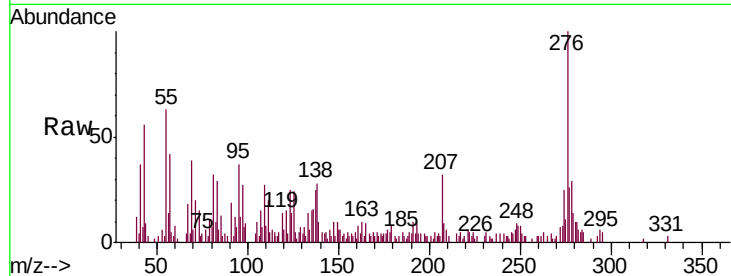




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.116 ng
 RT: 16.66 min Scan# 2477
 Delta R.T. -0.14 min
 Lab File: BF111468.D
 Acq: 15 Dec 2018 15:03

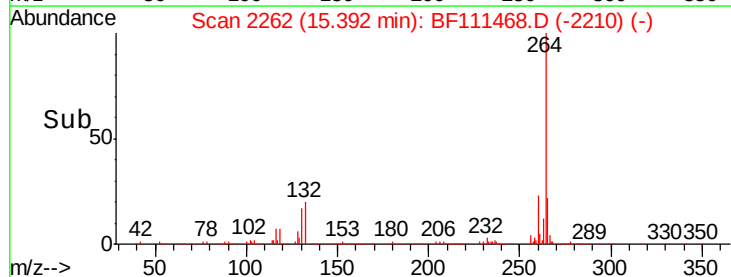
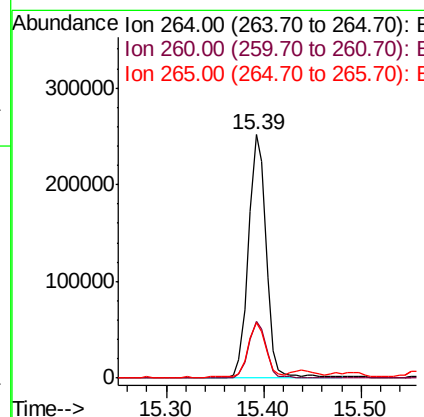
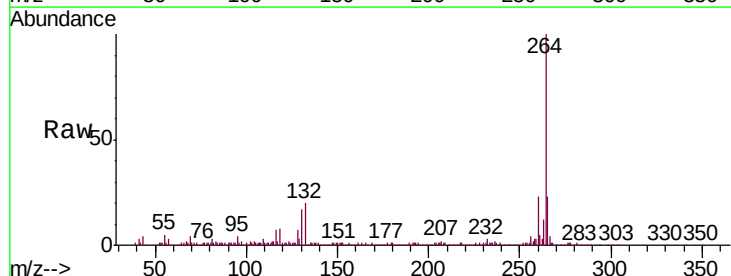
Instrument :
 BNA_F
 ClientSampleId :
 BORING-SAMPLE-SIGNAL-TOWER-

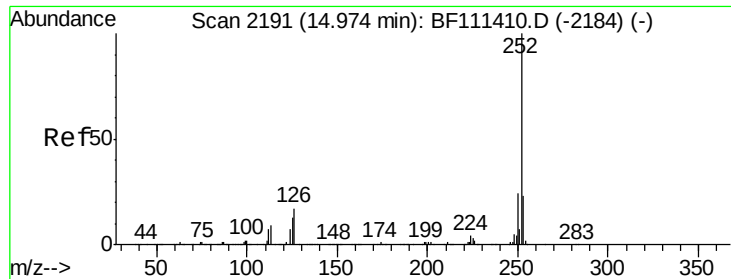
Tgt Ion	Ratio	Lower	Upper
276	100		
138	30.6	27.8	41.6
277	23.7	20.1	30.1



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.39 min Scan# 2262
 Delta R.T. 0.01 min
 Lab File: BF111468.D
 Acq: 15 Dec 2018 15:03

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.3	27.5
265	22.6	17.7	26.5

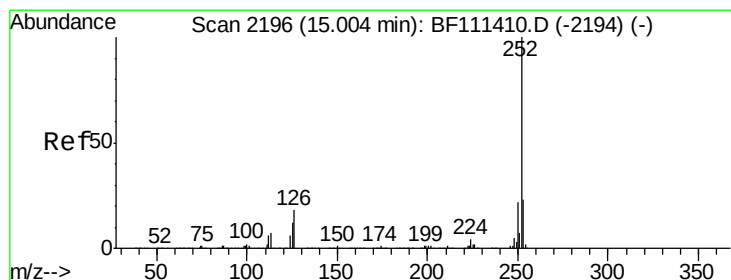
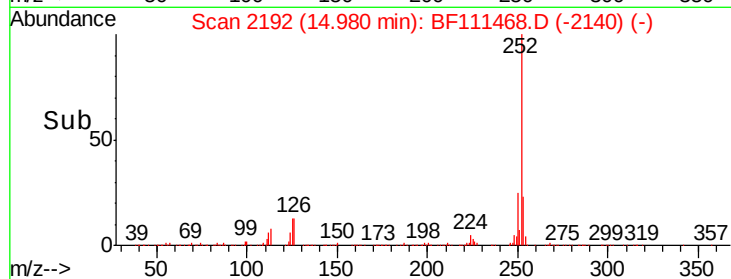
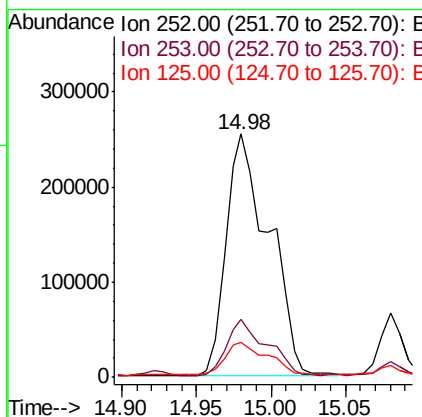
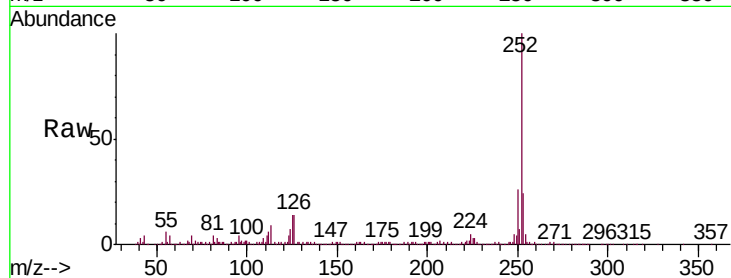




#88
Benzo(b)fluoranthene
Concen: 27.323 ng
RT: 14.98 min Scan# 2192
Delta R.T. 0.01 min
Lab File: BF111468.D
Acq: 15 Dec 2018 15:03

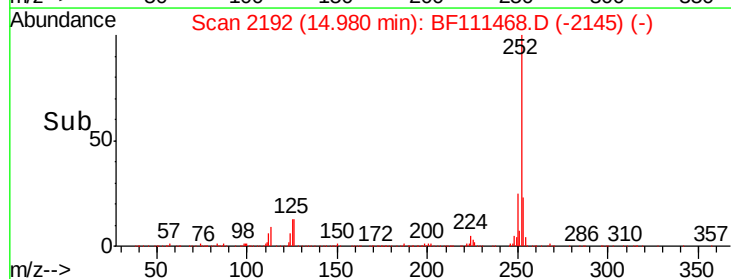
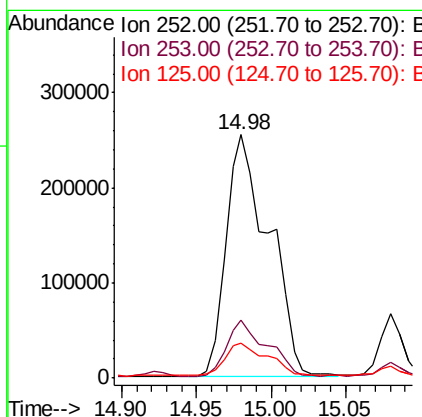
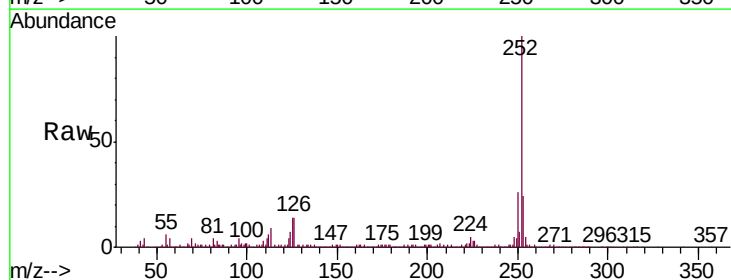
Instrument :
BNA_F
ClientSampleId :
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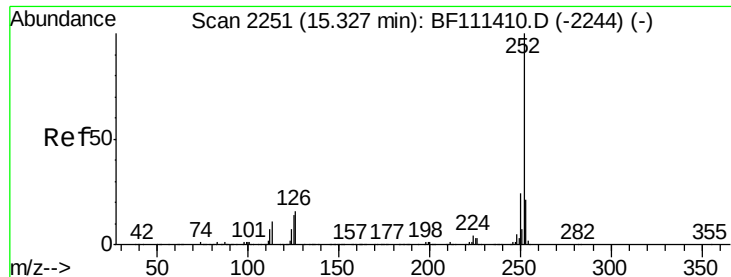
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.2	27.2
125	14.1	10.4	15.6



#89
Benzo(k)fluoranthene
Concen: 28.595 ng
RT: 14.98 min Scan# 2192
Delta R.T. -0.02 min
Lab File: BF111468.D
Acq: 15 Dec 2018 15:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.1	27.1
125	14.1	9.8	14.8





#90

Benzo(a)pyrene

Concen: 19.868 ng

RT: 15.33 min Scan# 2252

Delta R.T. 0.01 min

Lab File: BF111468.D

Acq: 15 Dec 2018 15:03

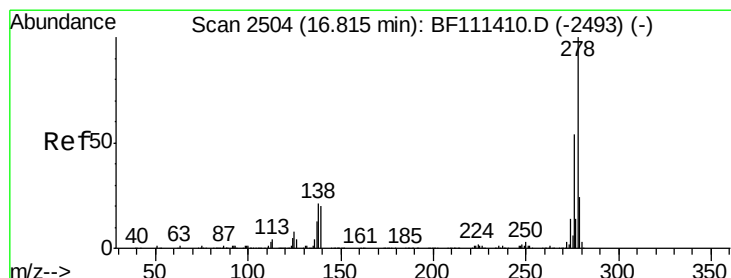
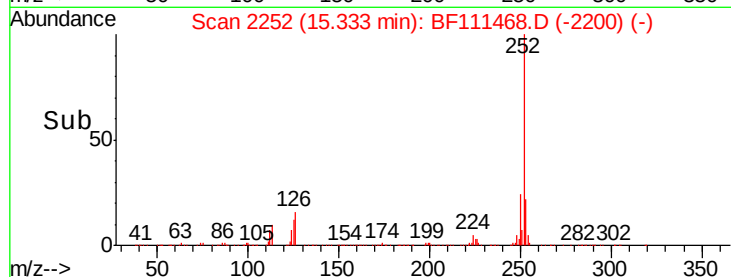
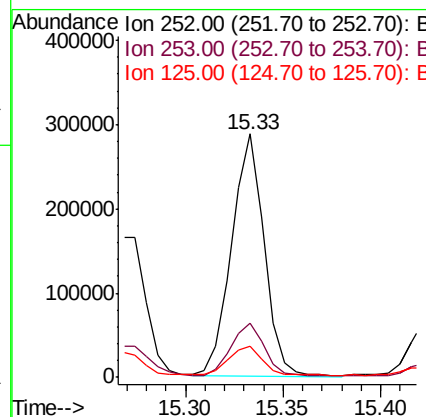
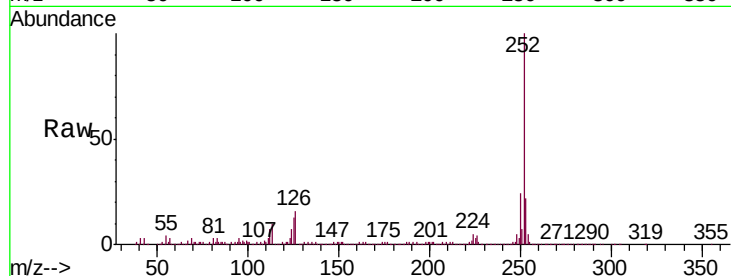
Instrument :

BNA_F

ClientSampleId :

BORING-SAMPLE-SIGNAL-TOWER-

Tgt Ion:	252	Resp:	334987
Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.8
125	12.9	12.3	18.5



#91

Dibenzo(a,h)anthracene

Concen: 2.817 ng

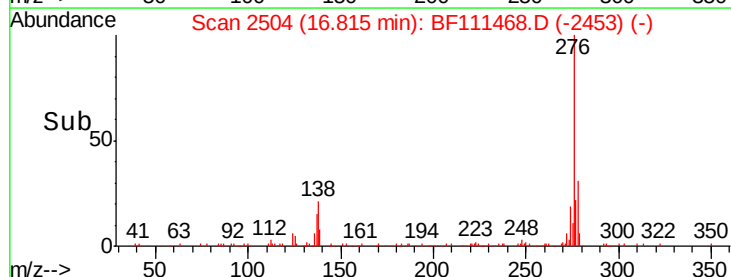
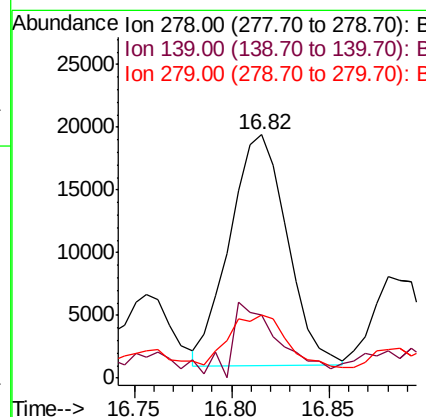
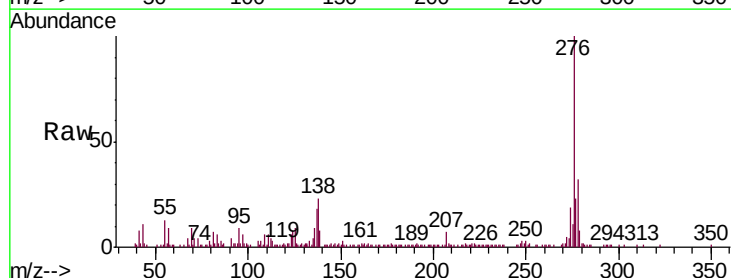
RT: 16.82 min Scan# 2504

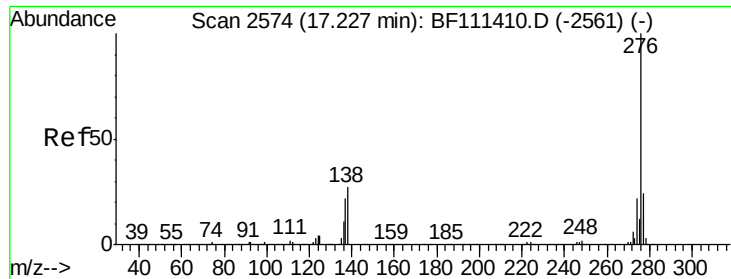
Delta R.T. 0.00 min

Lab File: BF111468.D

Acq: 15 Dec 2018 15:03

Tgt Ion:	278	Resp:	37465
Ion	Ratio	Lower	Upper
278	100		
139	25.7	18.2	27.4
279	26.0	19.0	28.6





#92
 Benzo(g,h,i)perylene
 Concen: 10.557 ng
 RT: 17.23 min Scan# 2575
 Delta R.T. 0.01 min
 Lab File: BF111468.D
 Acq: 15 Dec 2018 15:03

Instrument :
 BNA_F
 ClientSampleId :
 BORING-SAMPLE-SIGNAL-TOWER-

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.5	19.2	28.8
138	26.7	24.9	37.3

