

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF120518\
 Data File : BF111118.D
 Acq On : 5 Dec 2018 20:21
 Operator : JU/SJ
 Sample : J5764-27 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-113018-D

Quant Time: Dec 06 01:08:19 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 05 17:30:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	550670	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	2143298	20.00	ng	0.00
39) Acenaphthene-d10	9.84	164	959344	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	1420660	20.00	ng	0.00
76) Chrysene-d12	13.96	240	1027199	20.00	ng	0.00
87) Perylene-d12	15.39	264	723932	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.41	112	1818002	51.52	ng	0.00
7) Phenol-d6	6.43	99	2334926	51.36	ng	0.00
23) Nitrobenzene-d5	7.36	82	1393093	38.48	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	358381	47.00	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	2401663	38.47	ng	0.00
79) Terphenyl-d14	12.90	244	1663680	33.17	ng	0.00

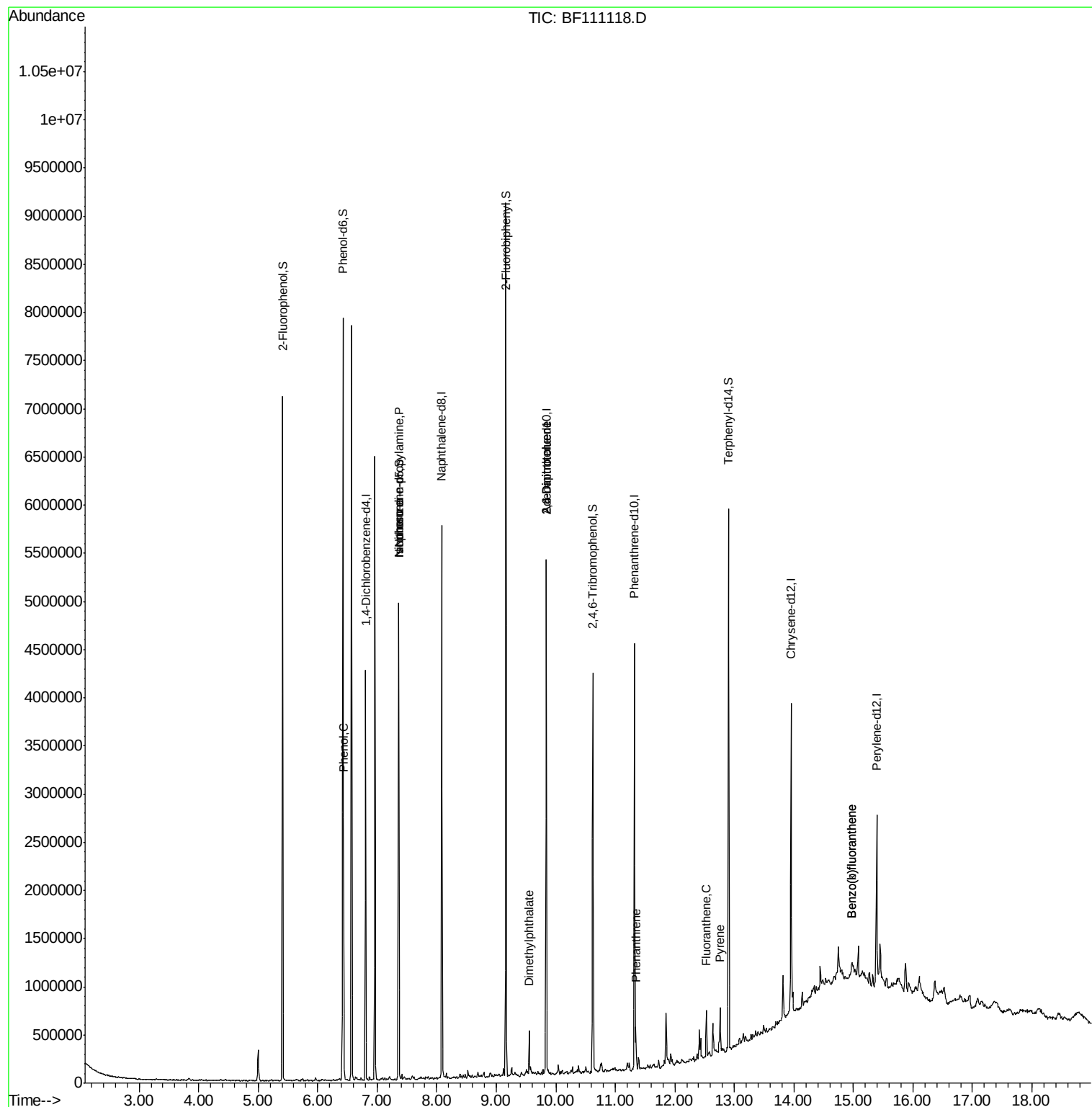
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.42	77	5572	Below Cal		# 11
10) Phenol	6.44	94	148755	3.001	ng	97
19) n-Nitroso-di-n-propylamine	7.36	70	187399	6.134	ng	# 76
25) Isophorone	7.36	82	1387187	20.879	ng	# 65
50) Dimethylphthalate	9.55	163	163871	2.454	ng	99
51) 2,6-Dinitrotoluene	9.84	165	126994	8.971	ng	# 26
57) 2,4-Dinitrotoluene	9.84	165	126994	6.946	ng	# 23
71) Phenanthrene	11.35	178	143990	2.107	ng	96
75) Fluoranthene	12.53	202	177199	2.650	ng	98
77) Benzidine	12.63	184	1198	Below Cal		# 1
78) Pyrene	12.76	202	167324	2.091	ng	93
88) Benzo(b)fluoranthene	14.97	252	102843	2.507	ng	# 84
89) Benzo(k)fluoranthene	14.97	252	102843	2.593	ng	# 84

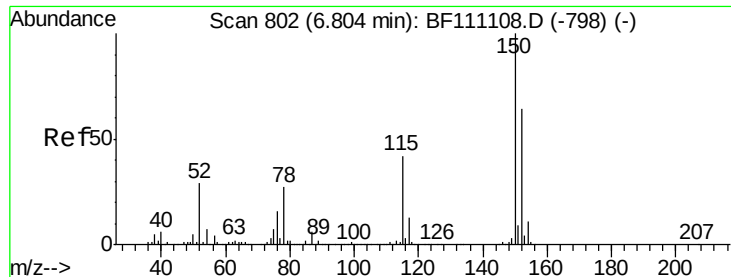
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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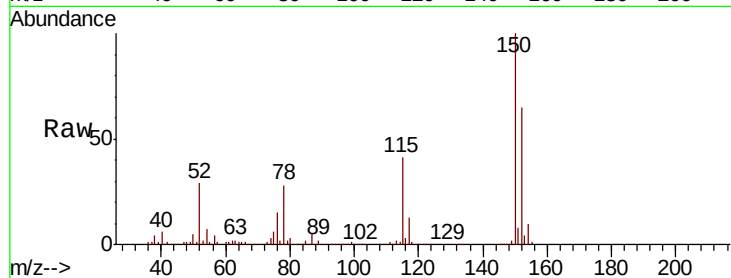


#1

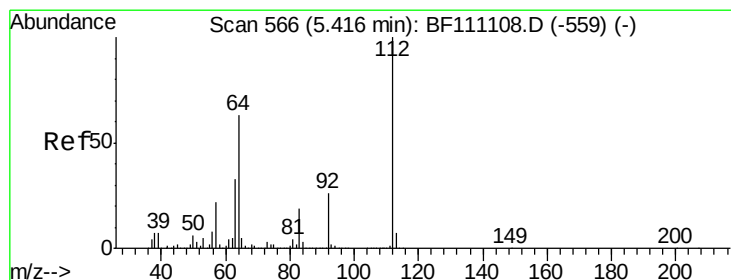
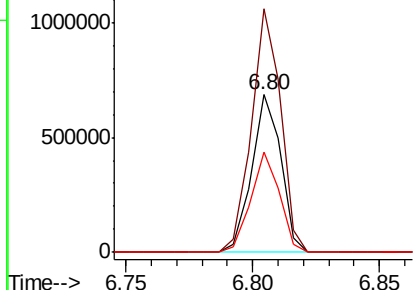
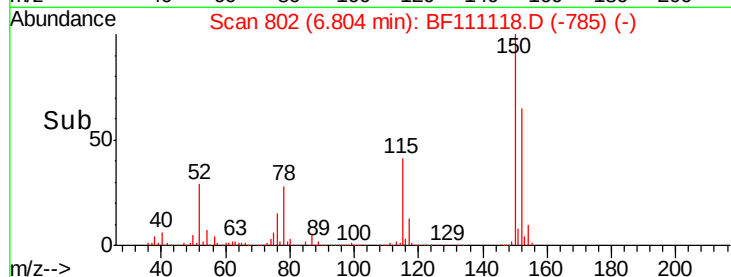
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF111118.D
Acq: 5 Dec 2018 20:21

Instrument :
BNA_F
ClientSampleId :
JC-02-113018-D

Tgt Ion:152 Resp: 550670
Ion Ratio Lower Upper
152 100
150 154.3 124.6 187.0
115 63.9 52.2 78.2



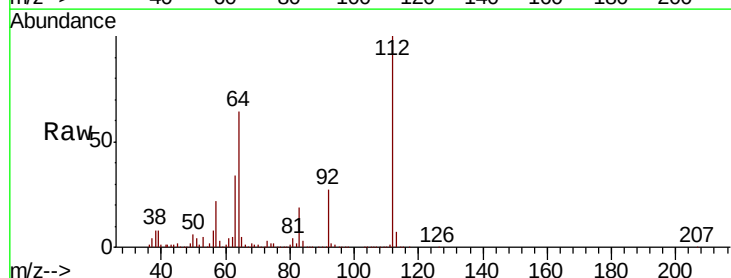
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



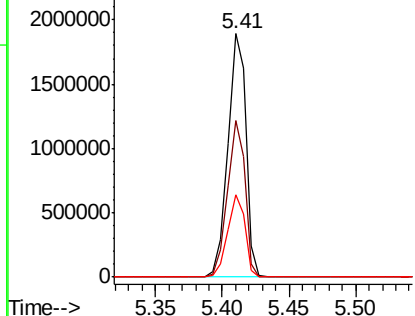
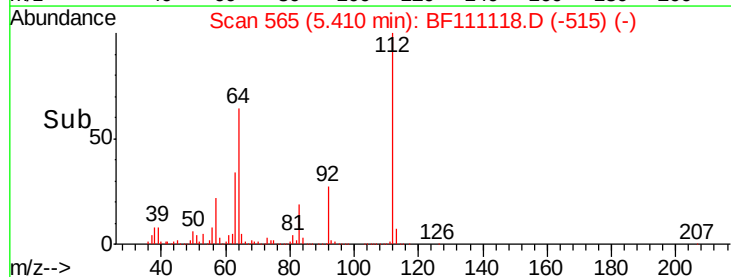
#5

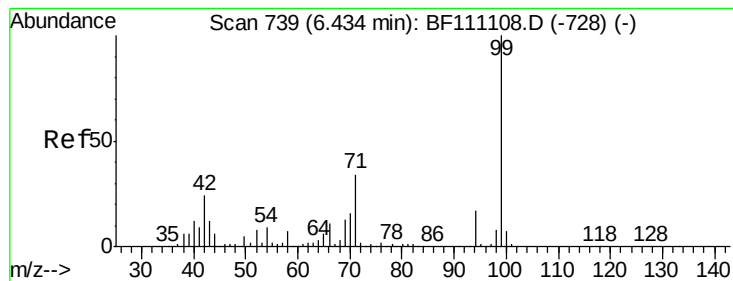
2-Fluorophenol
Concen: 51.518 ng
RT: 5.41 min Scan# 565
Delta R.T. -0.01 min
Lab File: BF111118.D
Acq: 5 Dec 2018 20:21

Tgt Ion:112 Resp: 1818002
Ion Ratio Lower Upper
112 100
64 64.1 50.2 75.4
63 33.8 26.6 39.8



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: 51.364 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF111118.D

Acq: 5 Dec 2018 20:21

Instrument :

BNA_F

ClientSampleId :

JC-02-113018-D

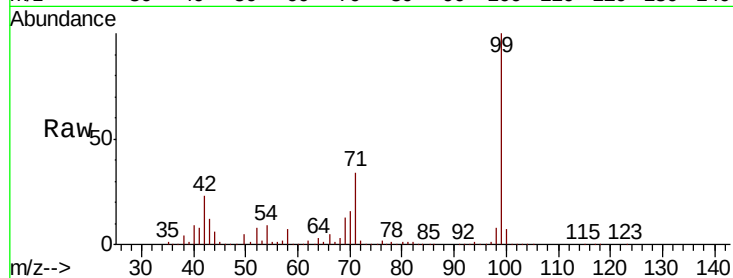
Tgt Ion: 99 Resp: 2334926

Ion Ratio Lower Upper

99 100

42 23.5 19.3 28.9

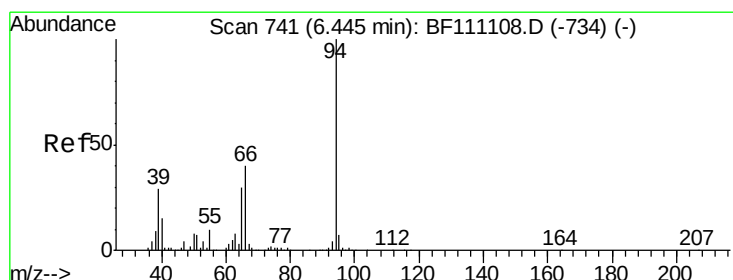
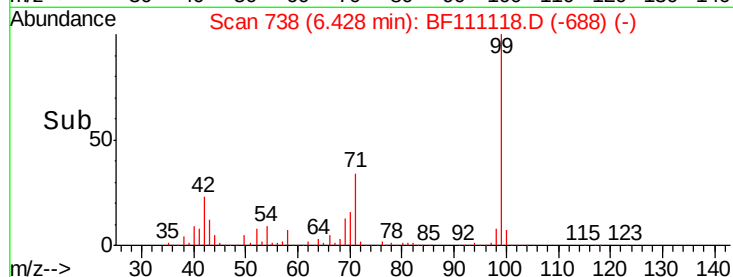
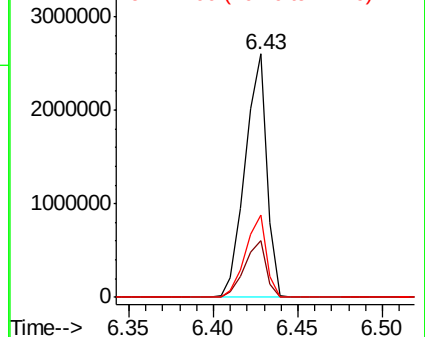
71 34.0 27.4 41.2



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: 3.001 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF111118.D

Acq: 5 Dec 2018 20:21

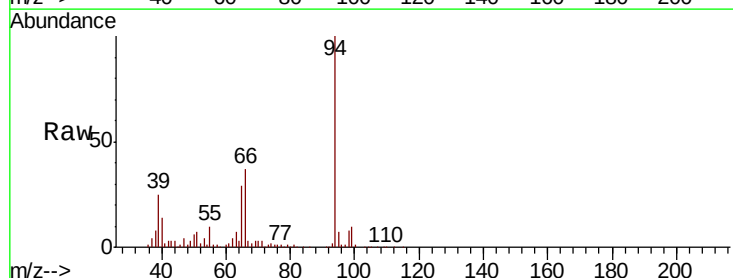
Tgt Ion: 94 Resp: 148755

Ion Ratio Lower Upper

94 100

65 29.2 10.5 50.5

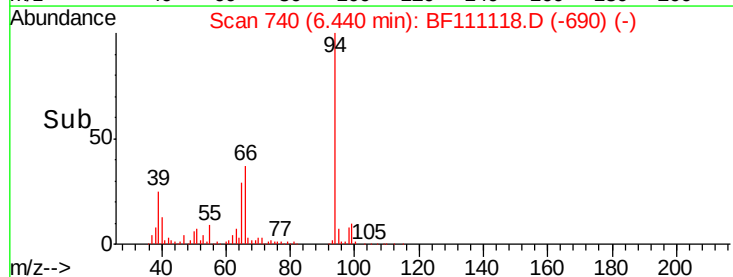
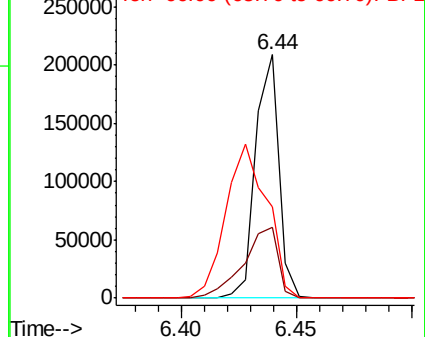
66 37.4 19.8 59.8

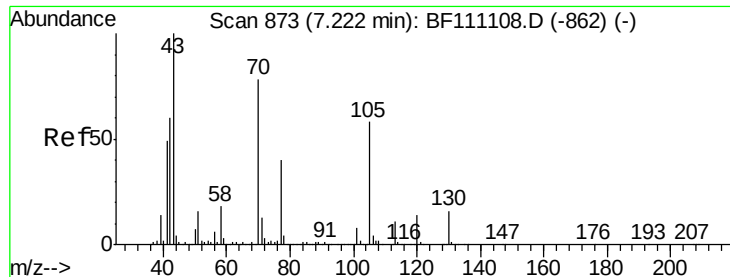


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

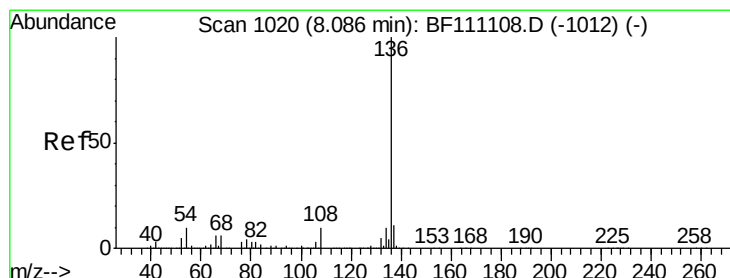
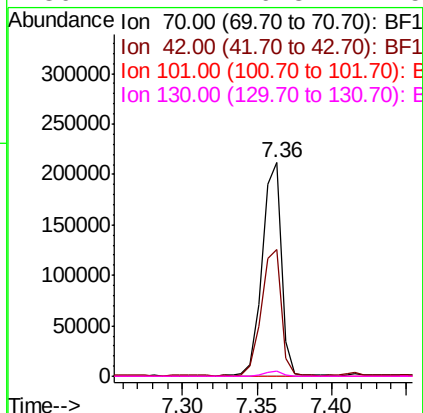
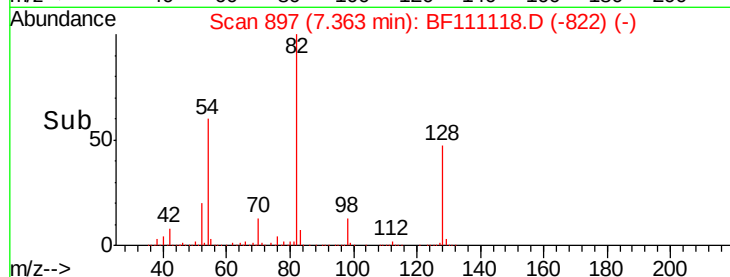
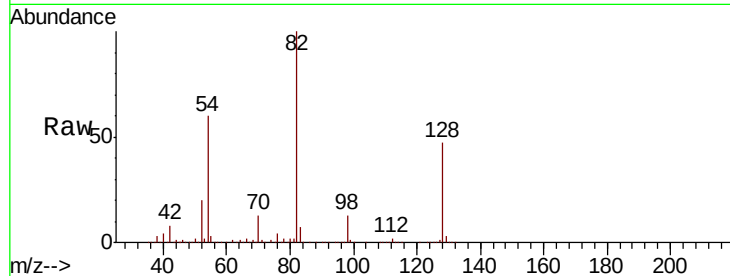




#19
n-Nitroso-di-n-propylamine
Concen: 6.134 ng
RT: 7.36 min Scan# 897
Delta R.T. 0.14 min
Lab File: BF111118.D
Acq: 5 Dec 2018 20:21

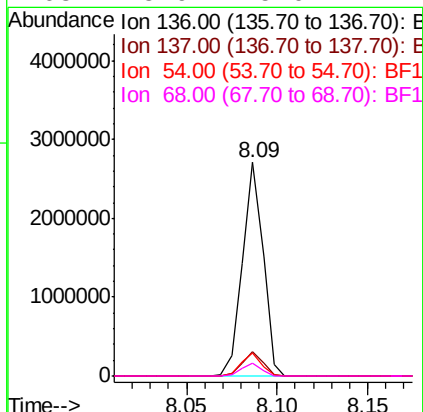
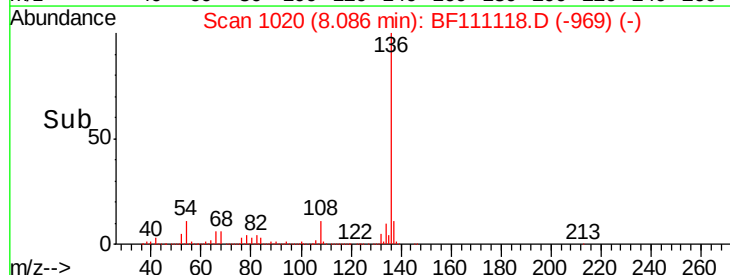
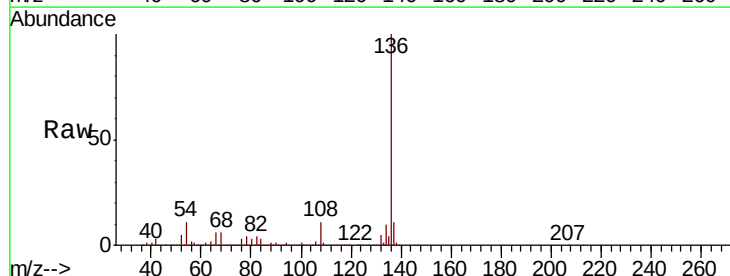
Instrument :
BNA_F
ClientSampleId :
JC-02-113018-D

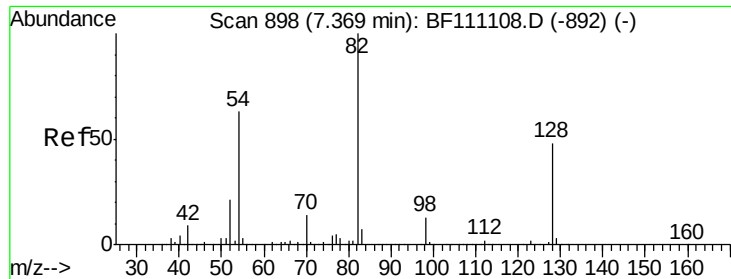
Tgt Ion: 70 Resp: 187399
Ion Ratio Lower Upper
70 100
42 59.1 61.3 91.9#
101 0.0 7.7 11.5#
130 2.4 16.3 24.5#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. 0.00 min
Lab File: BF111118.D
Acq: 5 Dec 2018 20:21

Tgt Ion: 136 Resp: 2143298
Ion Ratio Lower Upper
136 100
137 11.5 9.0 13.6
54 10.8 8.4 12.6
68 5.9 5.0 7.4





#23

Nitrobenzene-d5

Concen: 38.481 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.01 min

Lab File: BF111118.D

Acq: 5 Dec 2018 20:21

Instrument :

BNA_F

ClientSampleId :

JC-02-113018-D

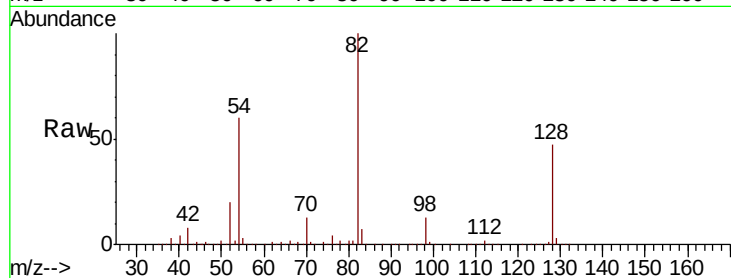
Tgt Ion: 82 Resp: 1393093

Ion Ratio Lower Upper

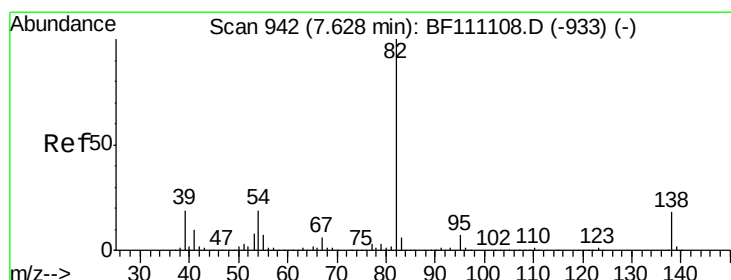
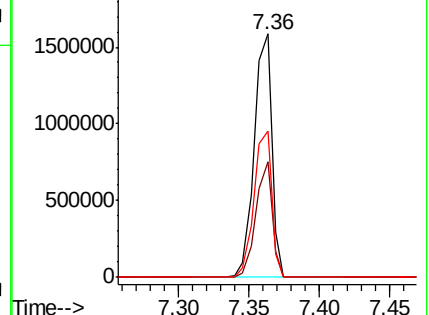
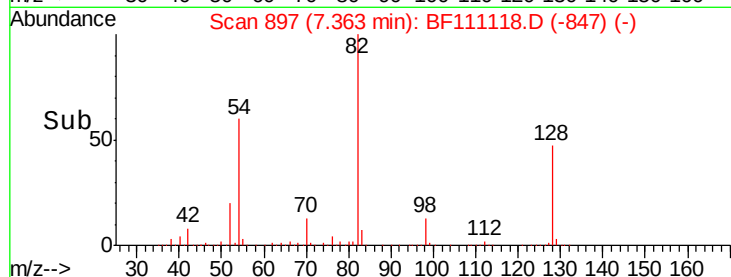
82 100

128 47.4 38.1 57.1

54 60.2 50.3 75.5



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: 20.879 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.26 min

Lab File: BF111118.D

Acq: 5 Dec 2018 20:21

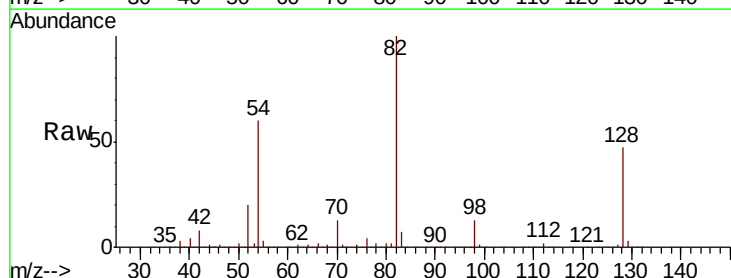
Tgt Ion: 82 Resp: 1387187

Ion Ratio Lower Upper

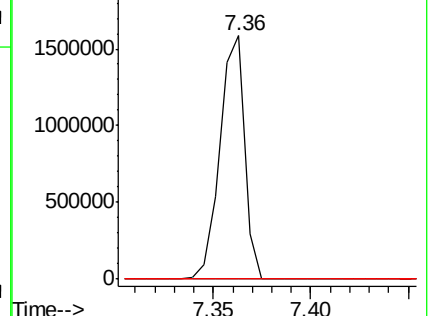
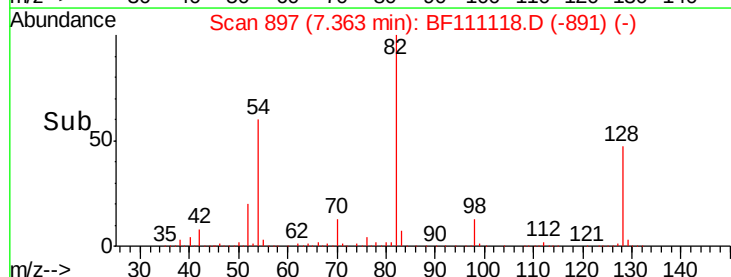
82 100

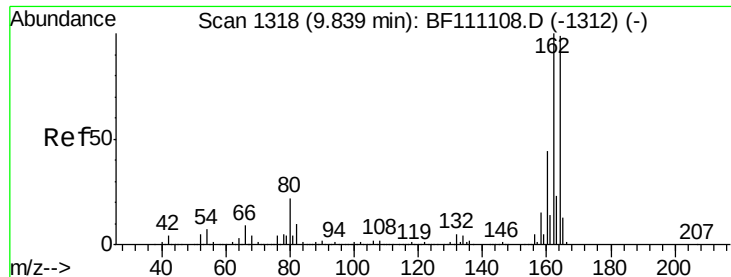
95 0.0 5.6 8.4#

138 0.0 14.6 22.0#



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

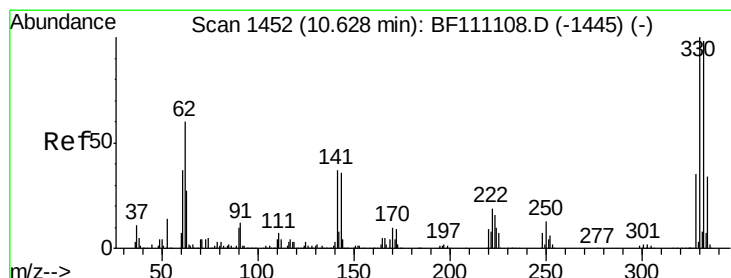
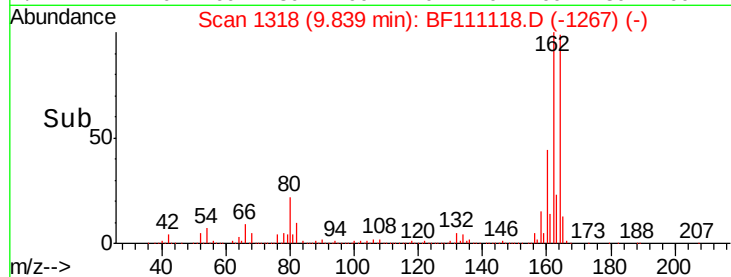
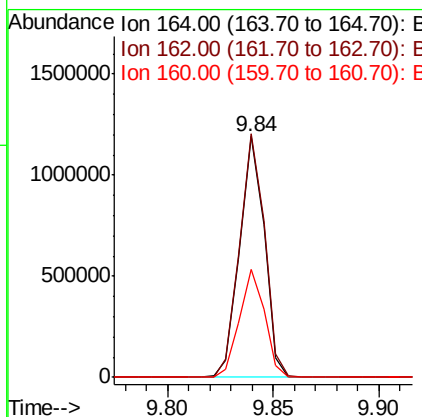
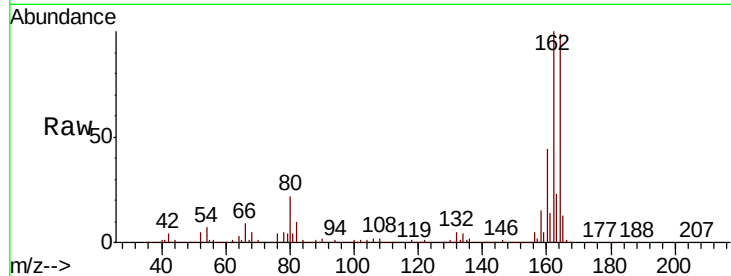




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. 0.00 min
 Lab File: BF111118.D
 Acq: 5 Dec 2018 20:21

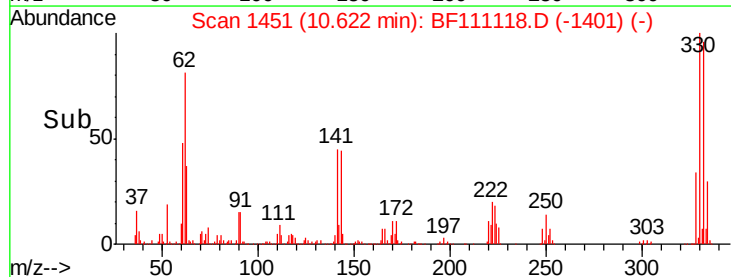
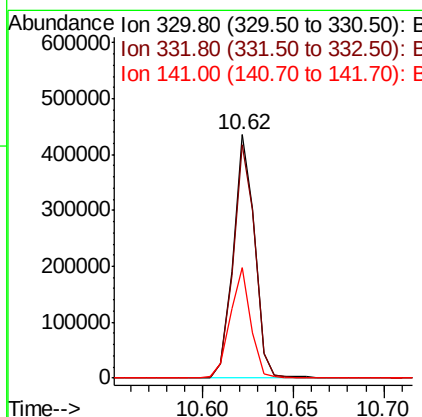
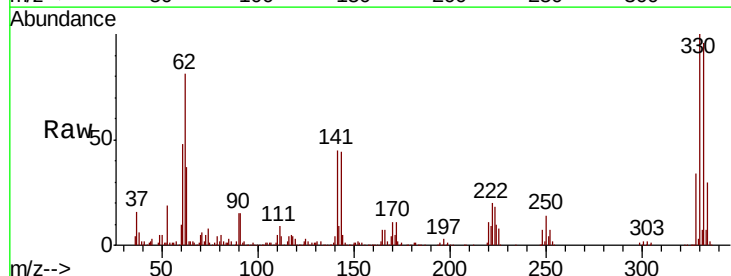
Instrument :
 BNA_F
 ClientSampleId :
 JC-02-113018-D

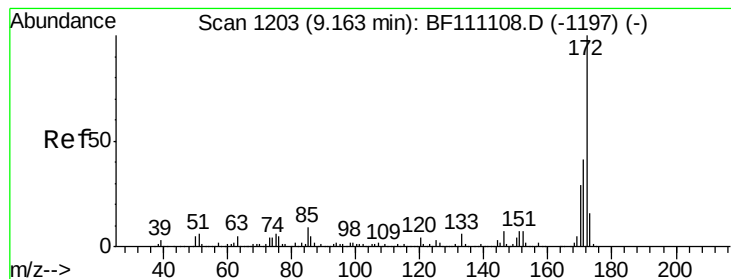
Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.2	80.6	120.8
160	44.8	35.5	53.3



#42
 2,4,6-Tribromophenol
 Concen: 46.997 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.01 min
 Lab File: BF111118.D
 Acq: 5 Dec 2018 20:21

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.3	77.2	115.8
141	43.4	36.1	54.1





#45

2-Fluorobiphenyl

Concen: 38.472 ng

RT: 9.16 min Scan# 1203

Delta R.T. 0.00 min

Lab File: BF111118.D

Acq: 5 Dec 2018 20:21

Instrument :

BNA_F

ClientSampleId :

JC-02-113018-D

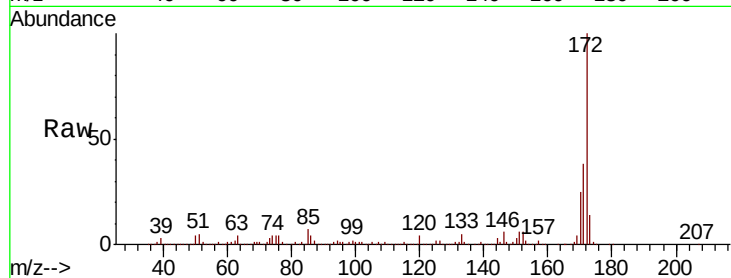
Tgt Ion:172 Resp: 2401663

Ion Ratio Lower Upper

172 100

171 37.9 33.2 49.8

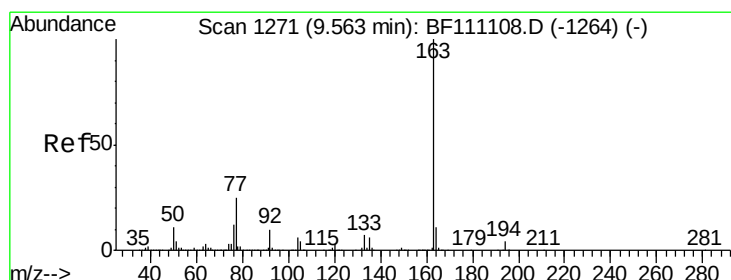
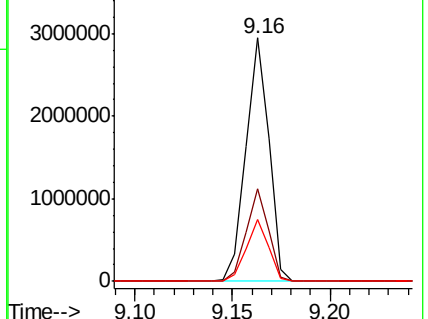
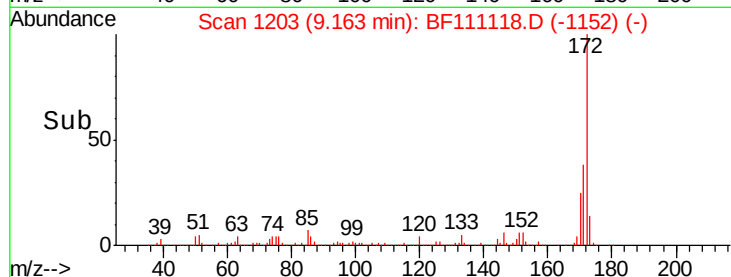
170 25.3 22.9 34.3



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: 2.454 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.01 min

Lab File: BF111118.D

Acq: 5 Dec 2018 20:21

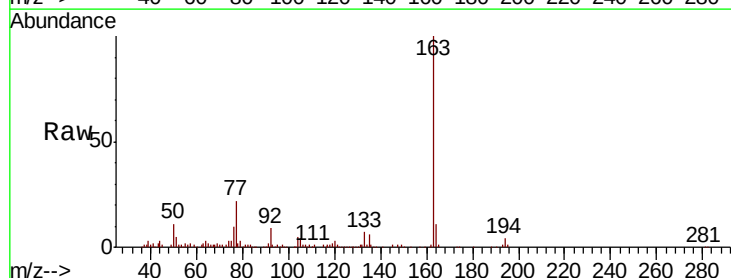
Tgt Ion:163 Resp: 163871

Ion Ratio Lower Upper

163 100

194 3.6 3.0 4.4

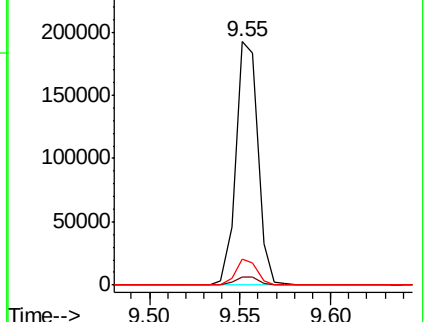
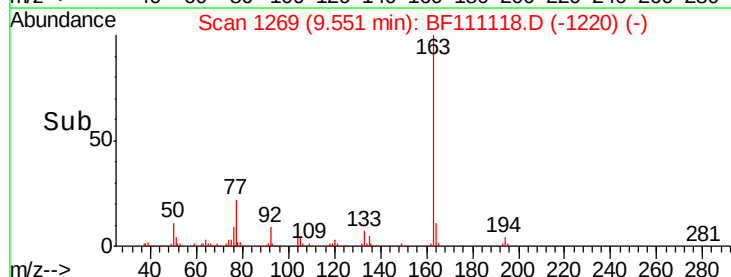
164 10.5 8.9 13.3

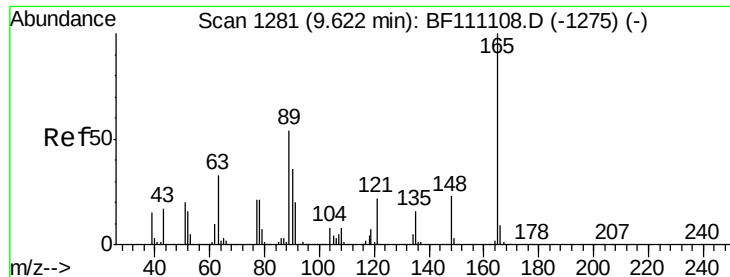


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 8.971 ng

RT: 9.84 min Scan# 1318

Delta R.T. 0.22 min

Lab File: BF111118.D

Acq: 5 Dec 2018 20:21

Instrument :

BNA_F

ClientSampleId :

JC-02-113018-D

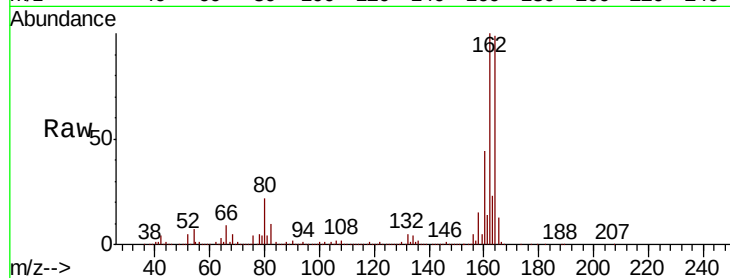
Tgt Ion:165 Resp: 126994

Ion Ratio Lower Upper

165 100

63 1.7 44.7 67.1#

89 1.2 43.0 64.4#



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

200000

150000

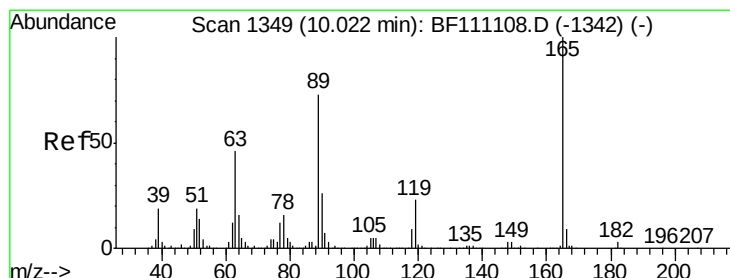
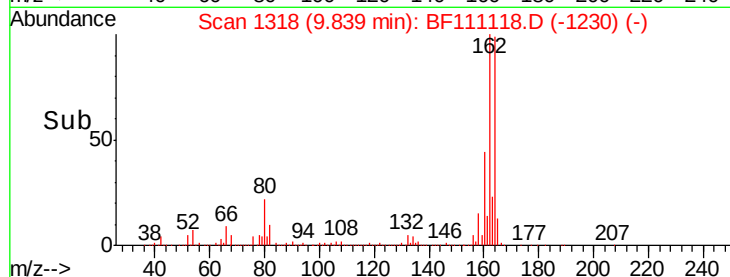
100000

50000

0

9.80 9.85

Time-->



#57

2,4-Dinitrotoluene

Concen: 6.946 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.18 min

Lab File: BF111118.D

Acq: 5 Dec 2018 20:21

Tgt Ion:165 Resp: 126994

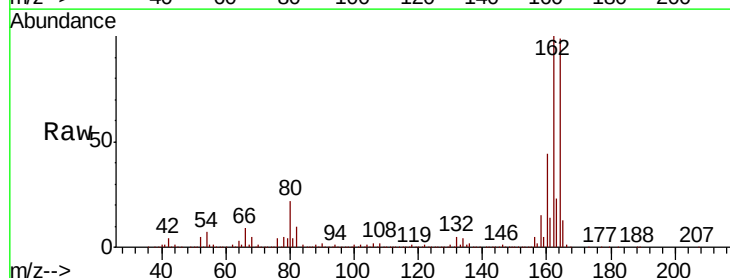
Ion Ratio Lower Upper

165 100

63 1.7 36.7 55.1#

89 1.2 58.4 87.6#

182 0.4 2.1 3.1#



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

250000

200000

150000

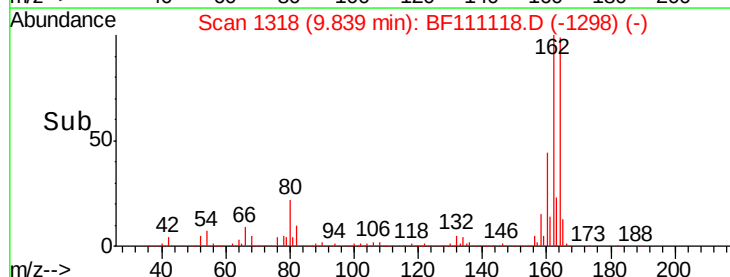
100000

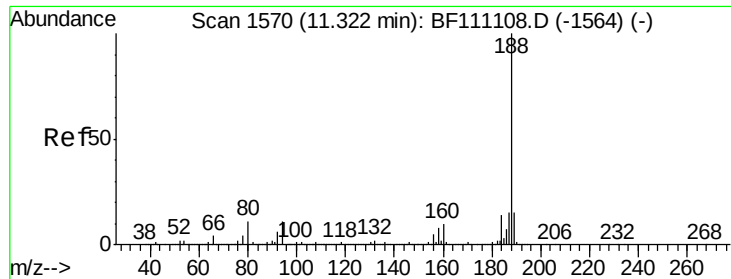
50000

0

9.80 9.85

Time-->

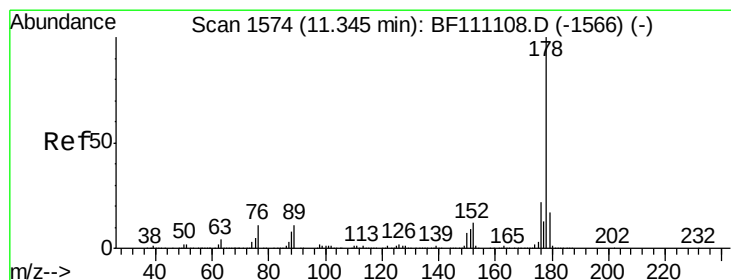
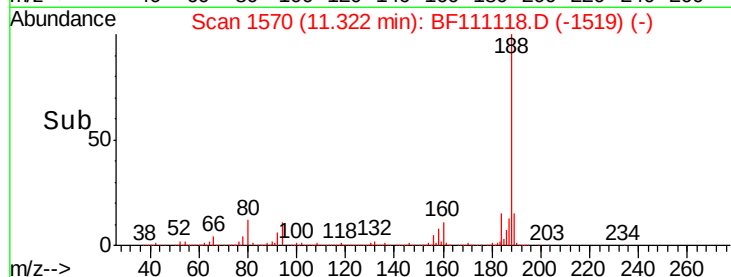
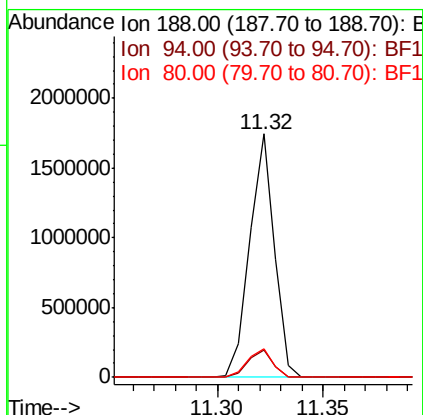
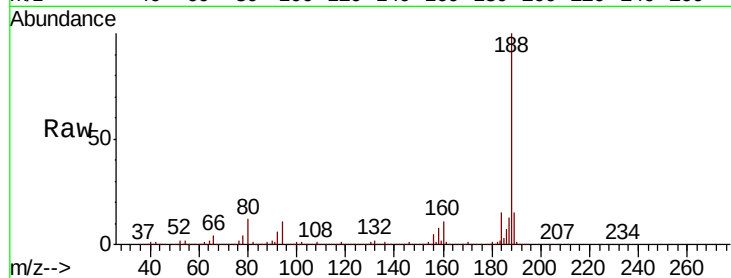




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. 0.00 min
Lab File: BF111118.D
Acq: 5 Dec 2018 20:21

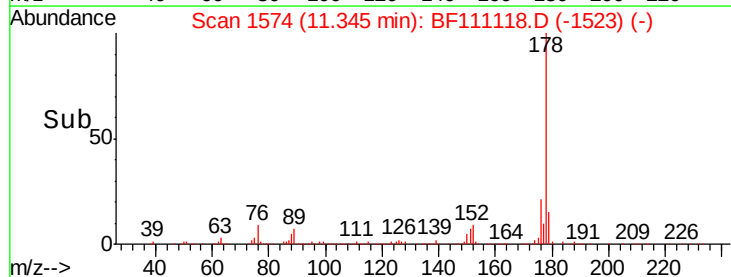
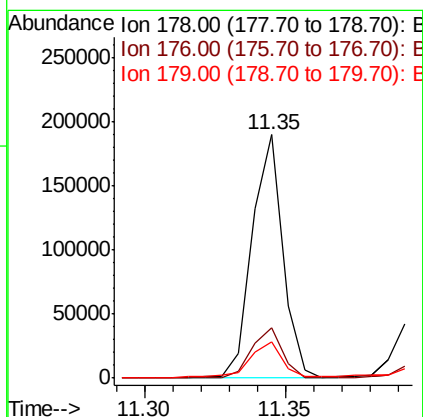
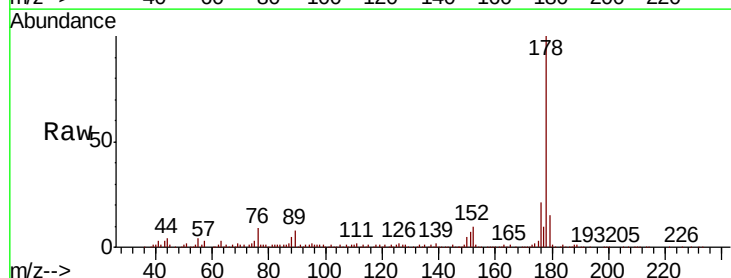
Instrument :
BNA_F
ClientSampleId :
JC-02-113018-D

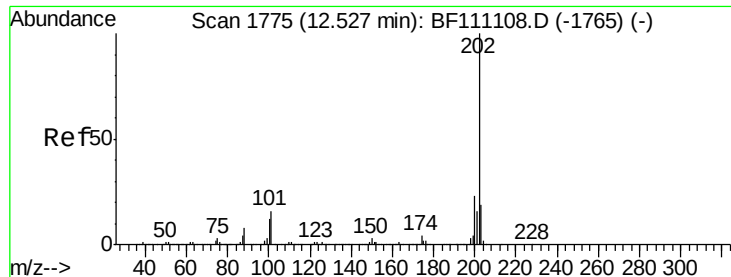
Tgt Ion:188 Resp: 1420660
Ion Ratio Lower Upper
188 100
94 11.2 8.5 12.7
80 11.6 9.0 13.6



#71
Phenanthrene
Concen: 2.107 ng
RT: 11.35 min Scan# 1574
Delta R.T. 0.00 min
Lab File: BF111118.D
Acq: 5 Dec 2018 20:21

Tgt Ion:178 Resp: 143990
Ion Ratio Lower Upper
178 100
176 20.8 17.7 26.5
179 15.1 14.0 21.0





#75

Fluoranthene

Concen: 2.650 ng

RT: 12.53 min Scan# 1775

Delta R.T. 0.00 min

Lab File: BF111118.D

Acq: 5 Dec 2018 20:21

Instrument :

BNA_F

ClientSampleId :

JC-02-113018-D

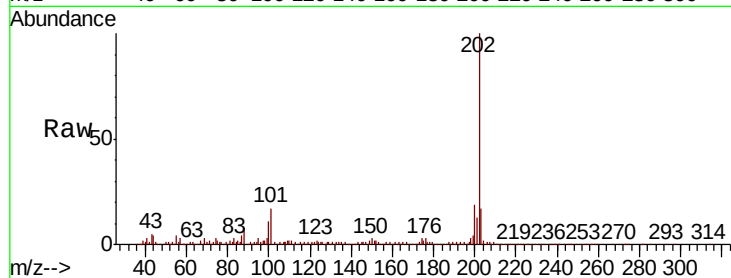
Tgt Ion: 202 Resp: 177199

Ion Ratio Lower Upper

202 100

101 16.8 0.0 35.8

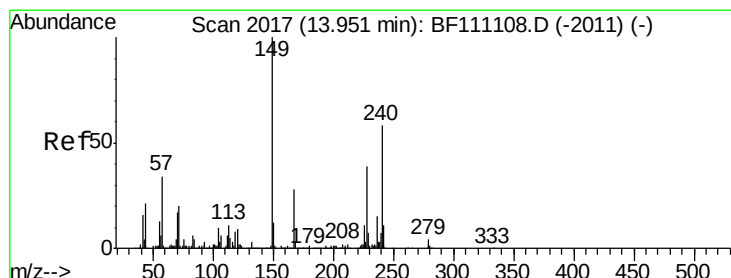
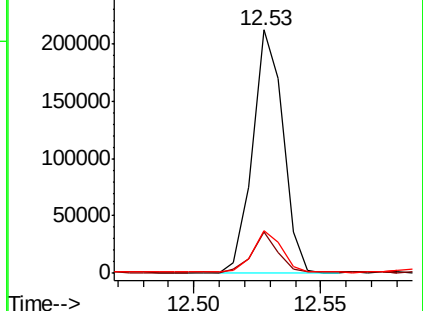
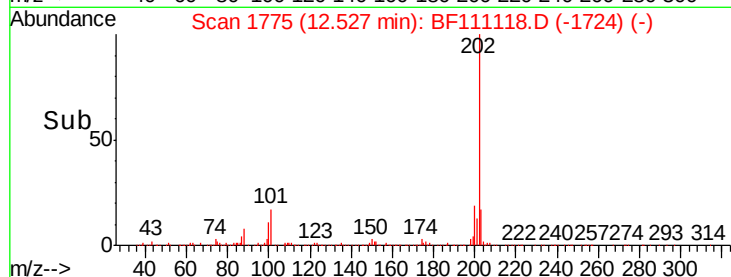
203 17.5 0.0 38.6



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: 13.96 min Scan# 2018

Delta R.T. 0.01 min

Lab File: BF111118.D

Acq: 5 Dec 2018 20:21

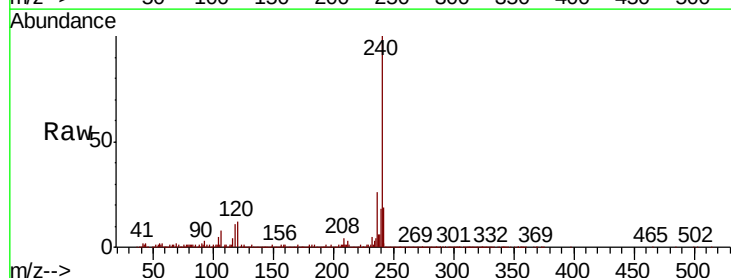
Tgt Ion: 240 Resp: 1027199

Ion Ratio Lower Upper

240 100

120 12.0 12.8 19.2#

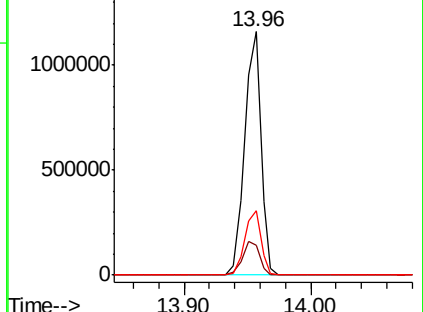
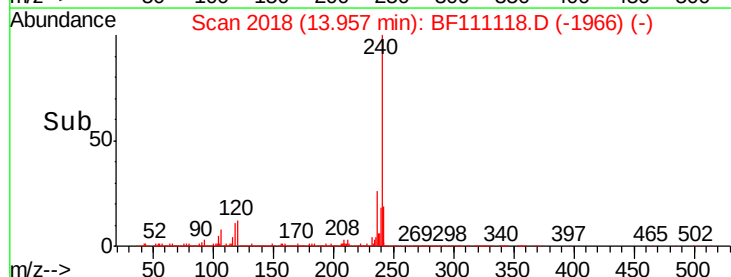
236 26.4 21.1 31.7

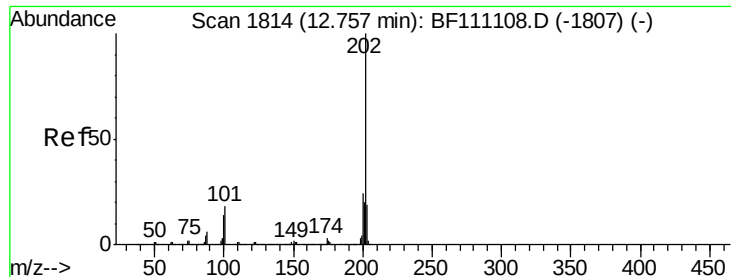


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

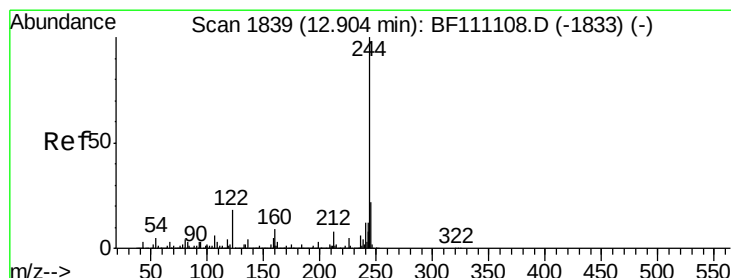
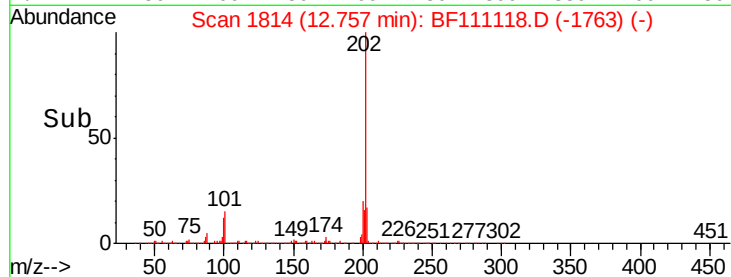
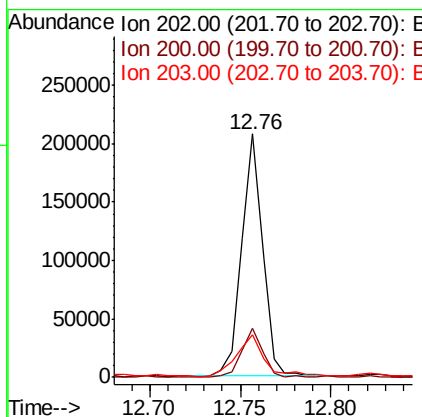
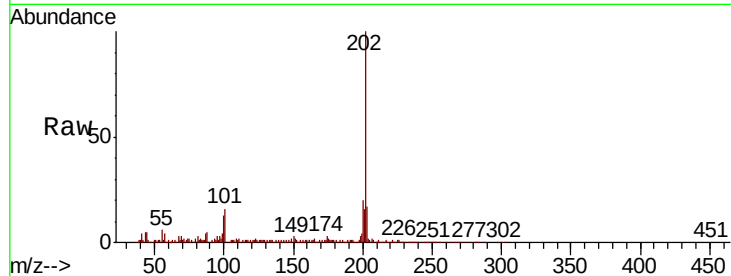




#78
 Pyrene
 Concen: 2.091 ng
 RT: 12.76 min Scan# 1814
 Delta R.T. 0.00 min
 Lab File: BF111118.D
 Acq: 5 Dec 2018 20:21

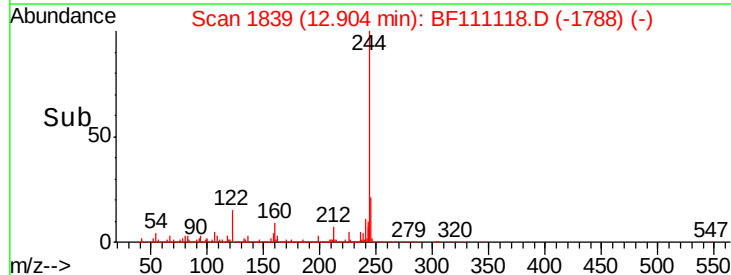
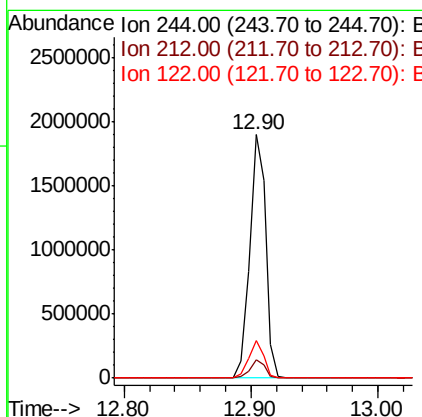
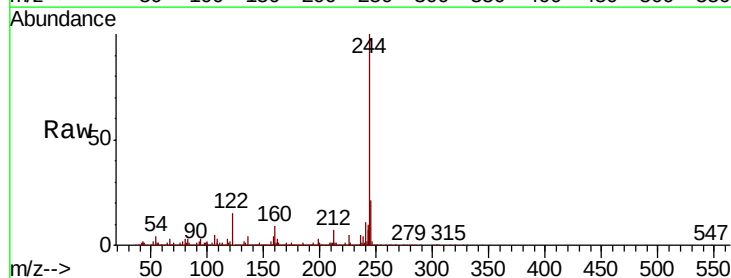
Instrument :
 BNA_F
 ClientSampleId :
 JC-02-113018-D

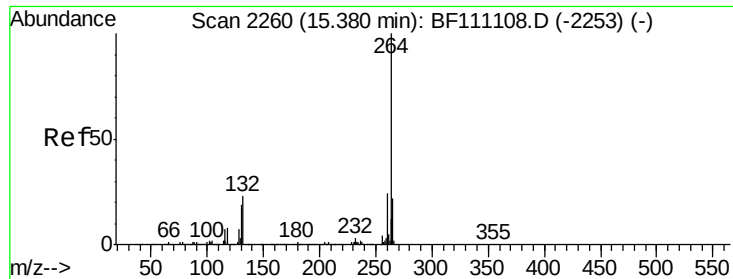
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.0	19.3	28.9
203	17.3	15.4	23.2



#79
 Terphenyl-d14
 Concen: 33.170 ng
 RT: 12.90 min Scan# 1839
 Delta R.T. 0.00 min
 Lab File: BF111118.D
 Acq: 5 Dec 2018 20:21

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.6	9.8
122	15.4	14.2	21.2





#87

Perylene-d12

Concen: 20.000 ng

RT: 15.39 min Scan# 2262

Delta R.T. 0.01 min

Lab File: BF111118.D

Acq: 5 Dec 2018 20:21

Instrument :

BNA_F

ClientSampleId :

JC-02-113018-D

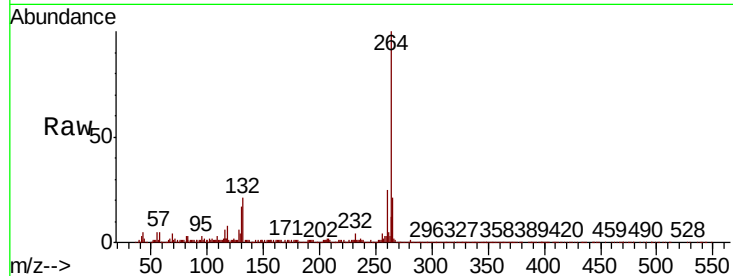
Tgt Ion:264 Resp: 723932

Ion Ratio Lower Upper

264 100

260 24.9 19.4 29.0

265 21.0 17.4 26.0

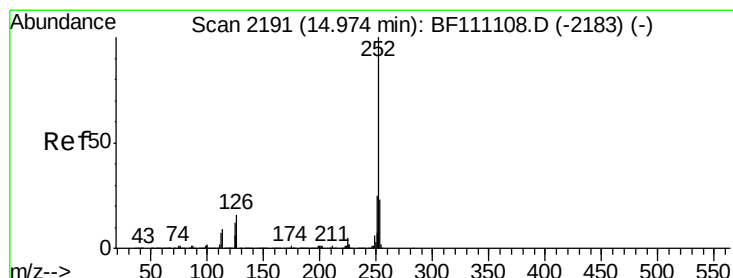
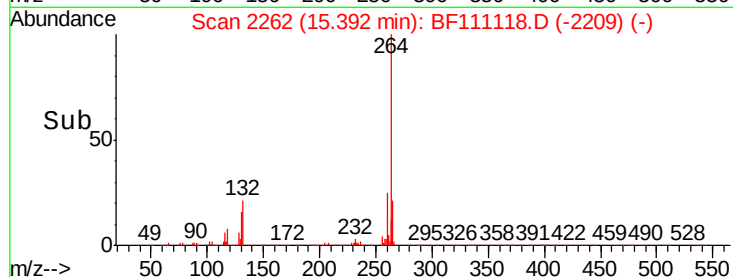
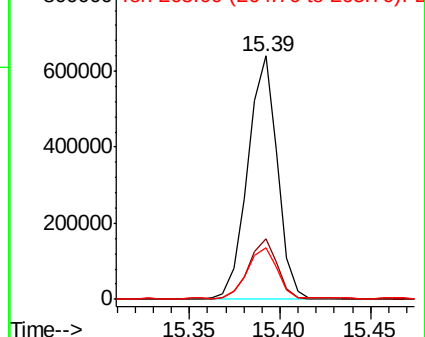


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 2.507 ng

RT: 14.97 min Scan# 2191

Delta R.T. 0.00 min

Lab File: BF111118.D

Acq: 5 Dec 2018 20:21

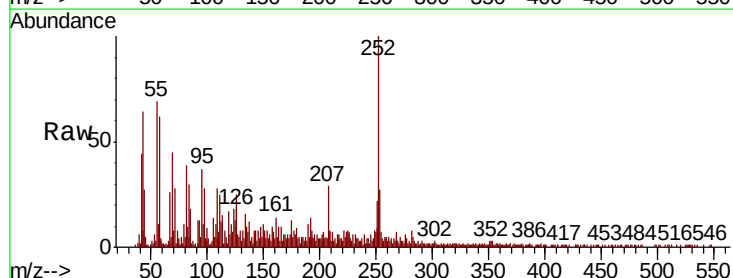
Tgt Ion:252 Resp: 102843

Ion Ratio Lower Upper

252 100

253 26.6 18.5 27.7

125 24.7 9.9 14.9#

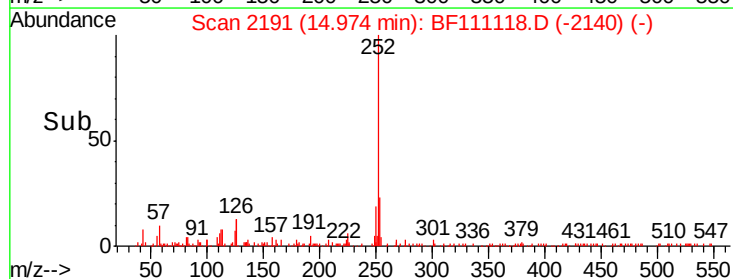
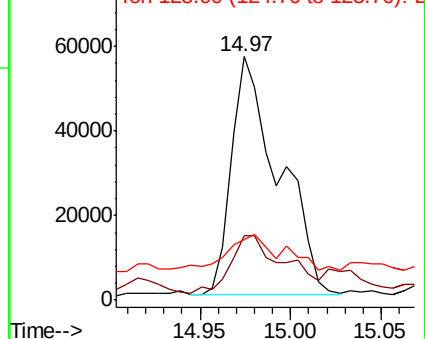


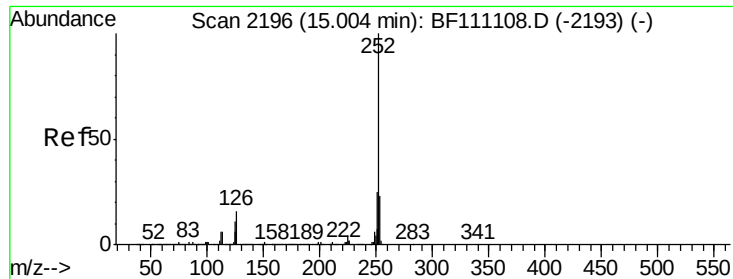
Abundance

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





#89

Benzo(k)fluoranthene

Concen: 2.593 ng

RT: 14.97 min Scan# 2191

Delta R.T. -0.03 min

Lab File: BF111118.D

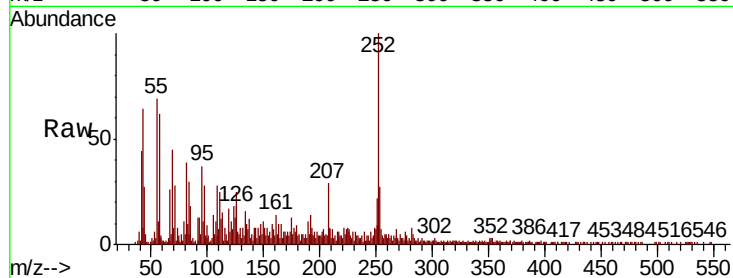
Acq: 5 Dec 2018 20:21

Instrument :

BNA_F

ClientSampleId :

JC-02-113018-D



Tgt Ion:	252	Resp:	102843
Ion Ratio	Lower	Upper	
252	100		
253	26.6	18.2	27.4
125	24.7	9.9	14.9#

