

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF120518\
 Data File : BF111117.D
 Acq On : 5 Dec 2018 19:54
 Operator : JU/SJ
 Sample : J5764-25 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Dec 06 01:08:07 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	570507	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	2195489	20.00	ng	0.00
39) Acenaphthene-d10	9.84	164	964030	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	1397909	20.00	ng	0.00
76) Chrysene-d12	13.96	240	1063847	20.00	ng	0.00
87) Perylene-d12	15.39	264	753181	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.41	112	1703562	46.60	ng	0.00
7) Phenol-d6	6.43	99	2183633	46.37	ng	0.00
23) Nitrobenzene-d5	7.36	82	1284801	34.65	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	319981	41.76	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	2214463	33.87	ng	0.00
79) Terphenyl-d14	12.90	244	1526656	29.39	ng	0.00

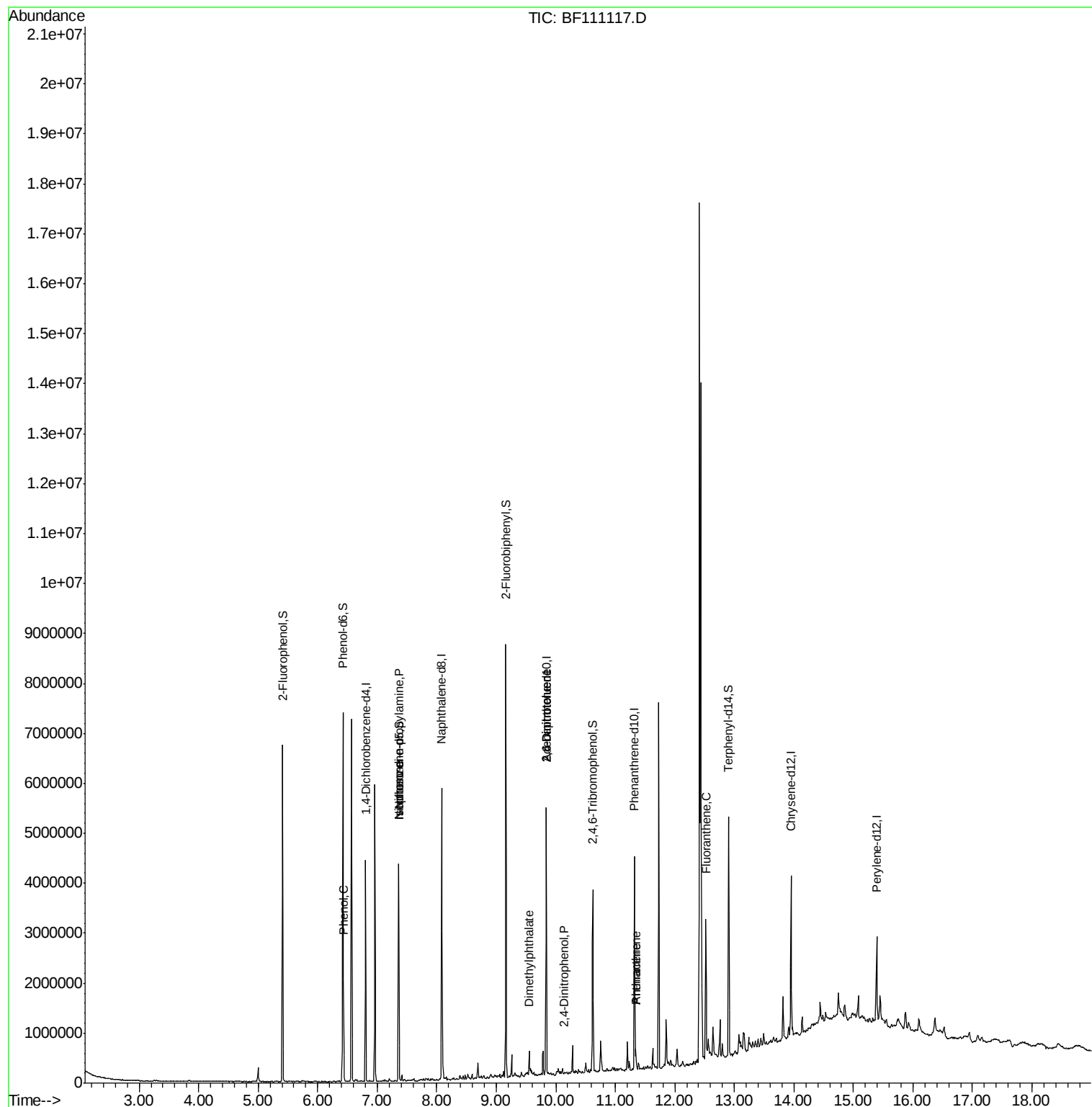
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.37	77	1429	Below Cal		# 10
10) Phenol	6.44	94	115663	2.252	ng	93
19) n-Nitroso-di-n-propylamine	7.36	70	173537	5.483	ng	# 71
25) Isophorone	7.36	82	1279181	18.796	ng	# 65
50) Dimethylphthalate	9.55	163	164778	2.456	ng	98
51) 2,6-Dinitrotoluene	9.84	165	126669	8.905	ng	# 27
54) 2,4-Dinitrophenol	10.13	184	186	6.642	ng	# 32
57) 2,4-Dinitrotoluene	9.84	165	126669	6.895	ng	# 24
71) Phenanthrene	11.34	178	136234	2.026	ng	95
72) Anthracene	11.34	178	136234	2.010	ng	96
75) Fluoranthene	12.53	202	169930	2.583	ng	93
77) Benzdine	12.63	184	1097	Below Cal		# 1

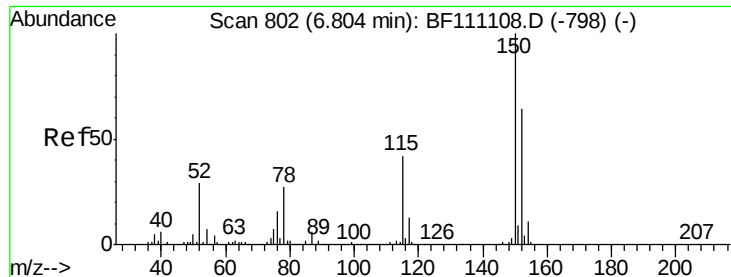
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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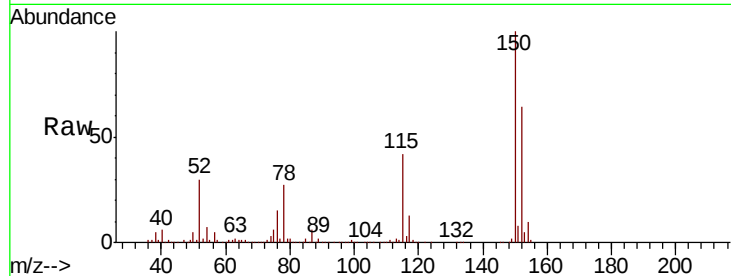


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF111117.D
Acq: 5 Dec 2018 19:54

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

Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.4	124.6	187.0
115	65.5	52.2	78.2

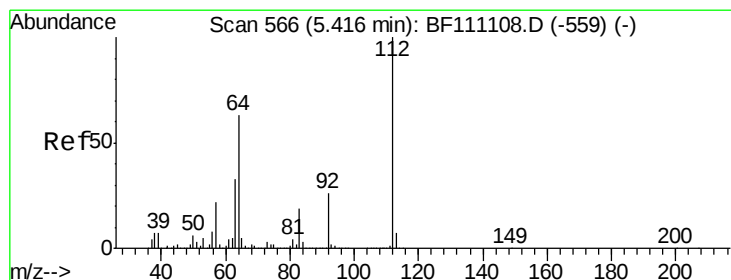
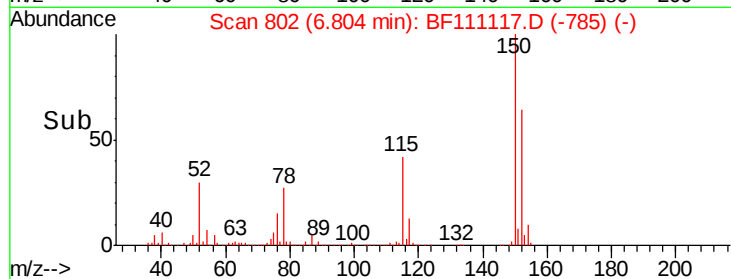
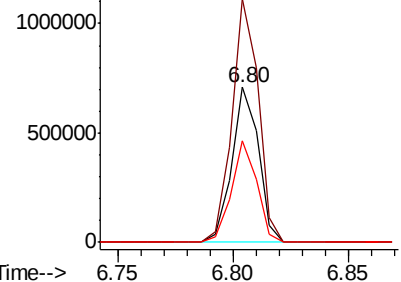


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

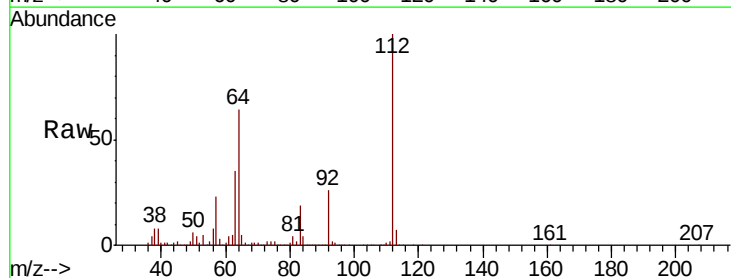
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 46.596 ng
RT: 5.41 min Scan# 566
Delta R.T. -0.01 min
Lab File: BF111117.D
Acq: 5 Dec 2018 19:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.4	50.2	75.4
63	34.7	26.6	39.8

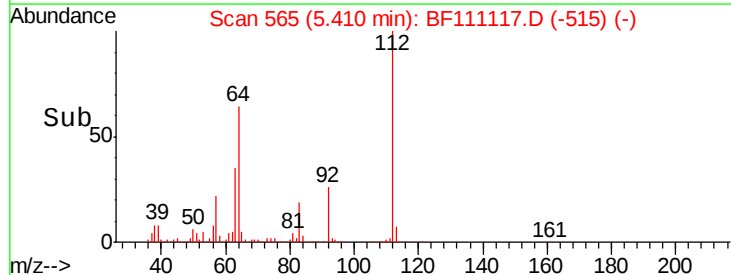
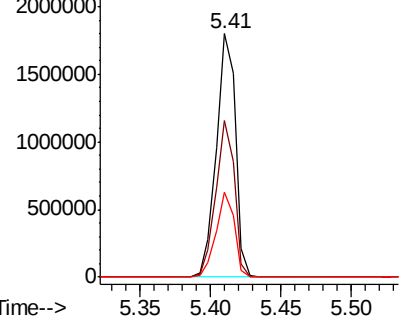


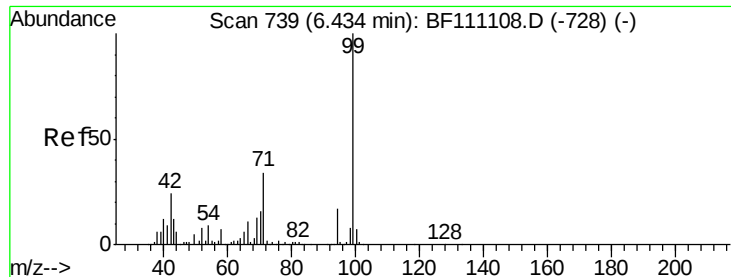
Abundance

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: 46.366 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF111117.D

Acq: 5 Dec 2018 19:54

Instrument :

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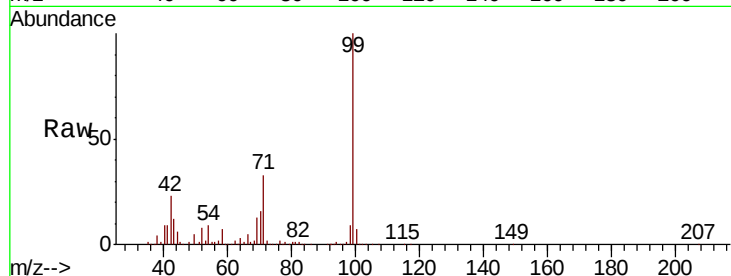
Tgt Ion: 99 Resp: 2183633

Ion Ratio Lower Upper

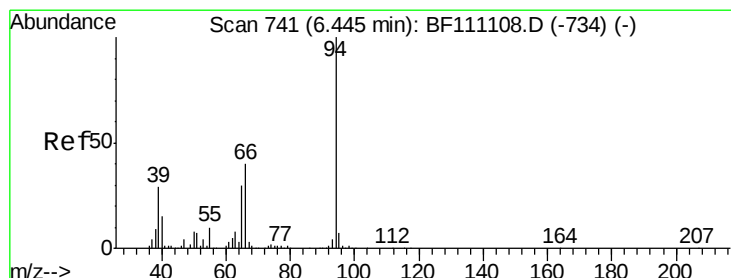
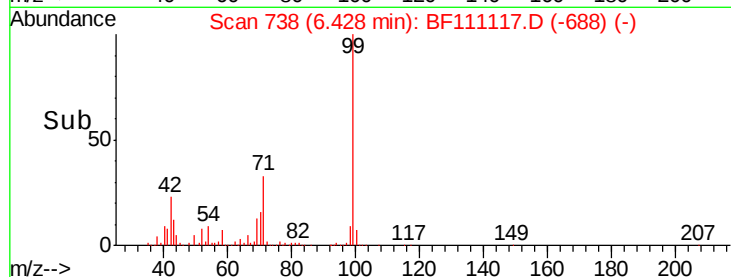
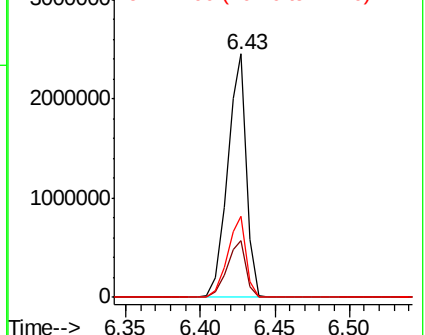
99 100

42 23.5 19.3 28.9

71 33.4 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: 2.252 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF111117.D

Acq: 5 Dec 2018 19:54

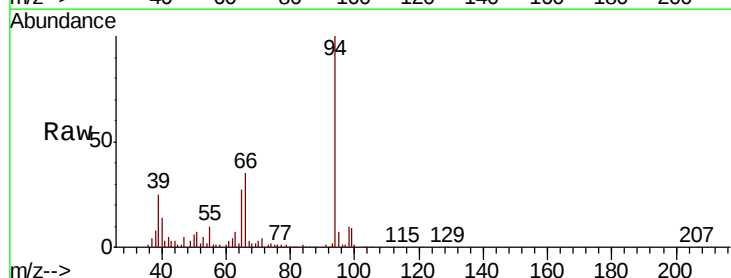
Tgt Ion: 94 Resp: 115663

Ion Ratio Lower Upper

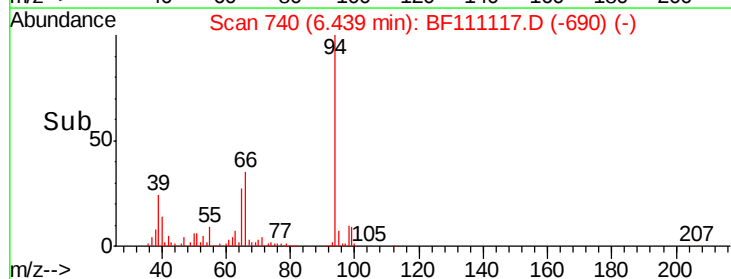
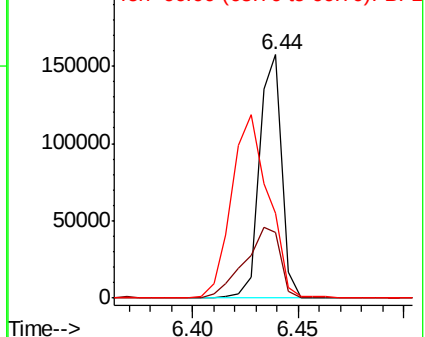
94 100

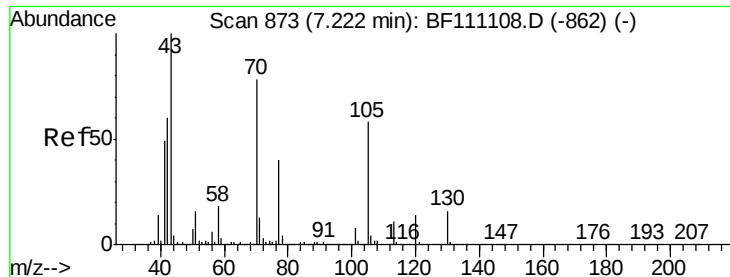
65 27.1 10.5 50.5

66 35.0 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

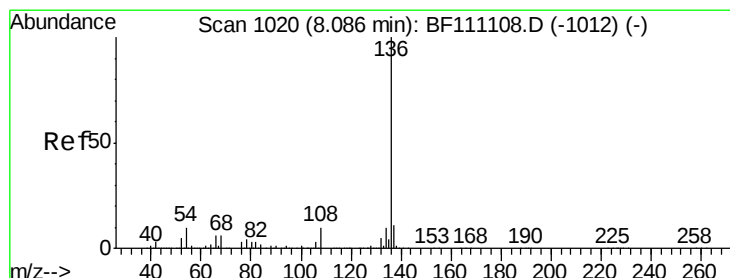
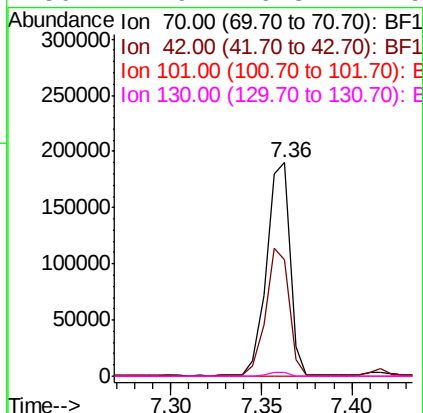
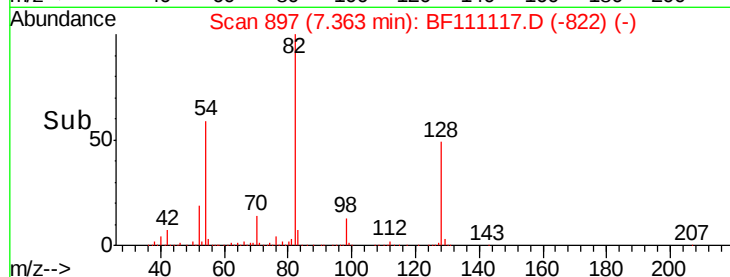
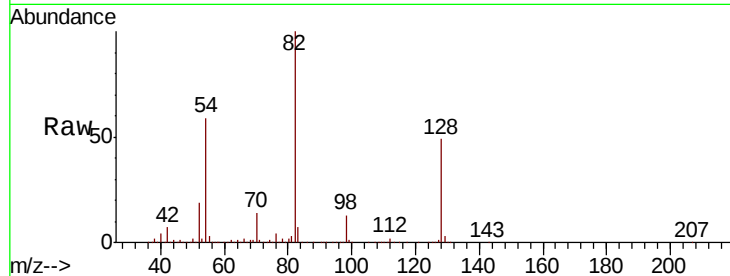




#19
n-Nitroso-di-n-propylamine
Concen: 5.483 ng
RT: 7.36 min Scan# 897
Delta R.T. 0.14 min
Lab File: BF111117.D
Acq: 5 Dec 2018 19:54

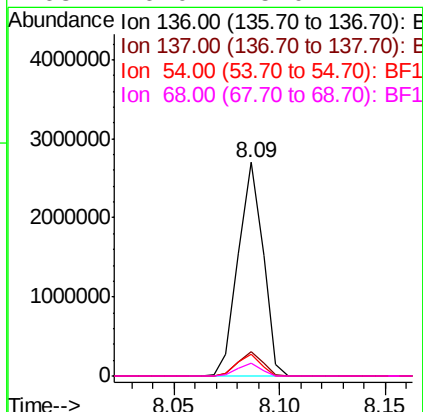
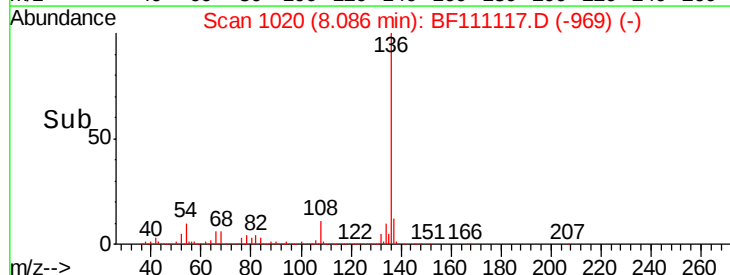
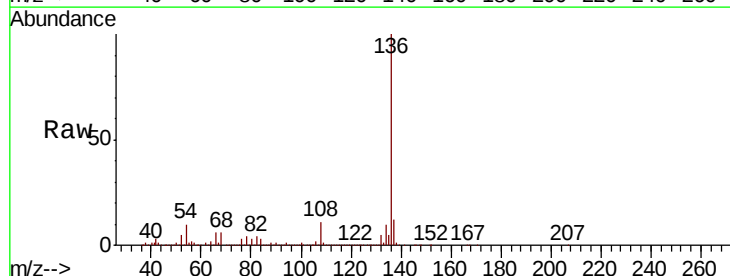
Instrument :
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ClientSampleId :
JC-02-113018-C

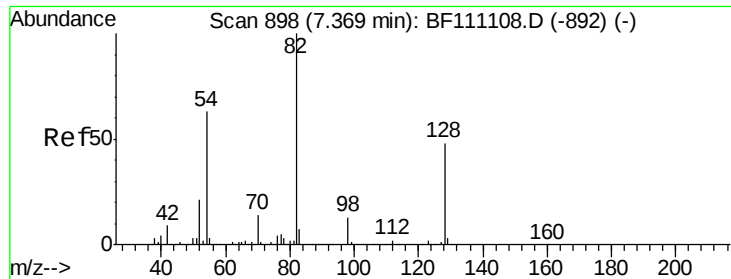
Tgt Ion: 70 Resp: 173537
Ion Ratio Lower Upper
70 100
42 54.3 61.3 91.9#
101 0.0 7.7 11.5#
130 1.9 16.3 24.5#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BF111117.D
Acq: 5 Dec 2018 19:54

Tgt Ion:136 Resp: 2195489
Ion Ratio Lower Upper
136 100
137 11.7 9.0 13.6
54 10.3 8.4 12.6
68 6.0 5.0 7.4

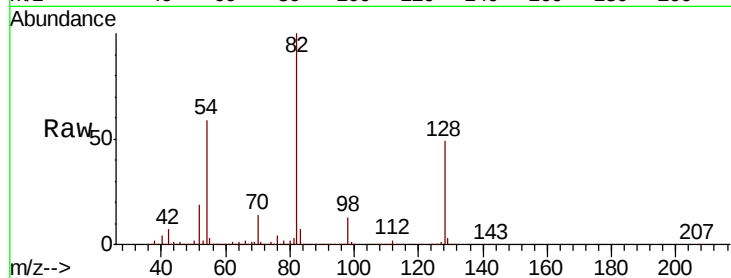




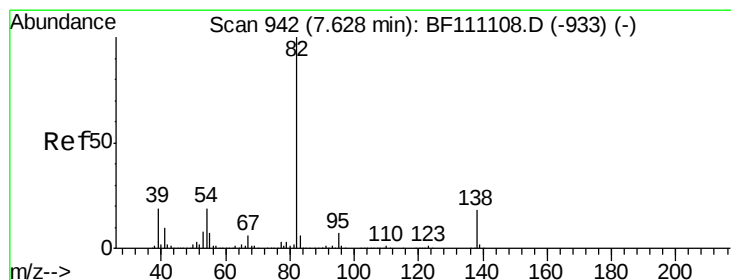
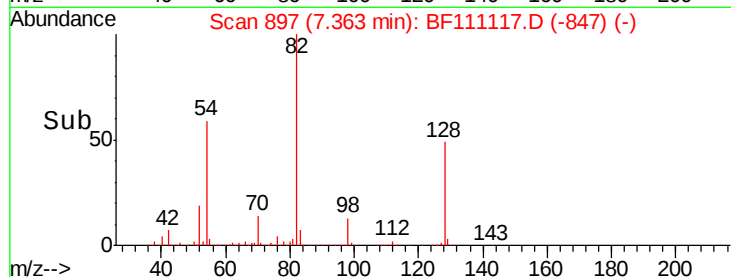
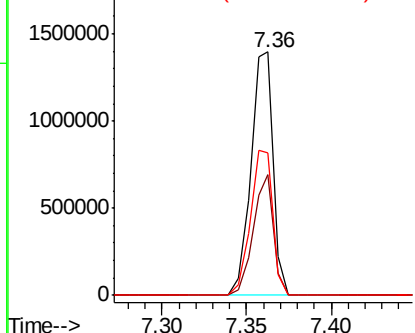
#23
Nitrobenzene-d5
Concen: 34.646 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF111117.D
Acq: 5 Dec 2018 19:54

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

Tgt Ion: 82 Resp: 1284801
Ion Ratio Lower Upper
82 100
128 49.5 38.1 57.1
54 58.6 50.3 75.5

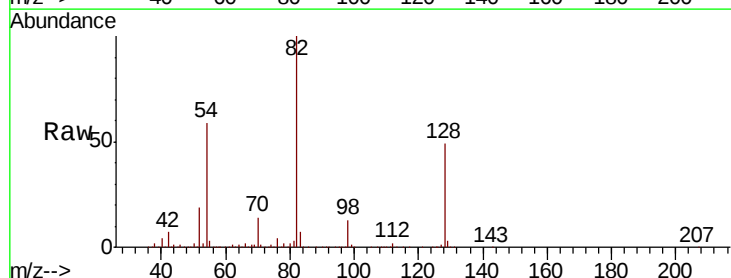


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

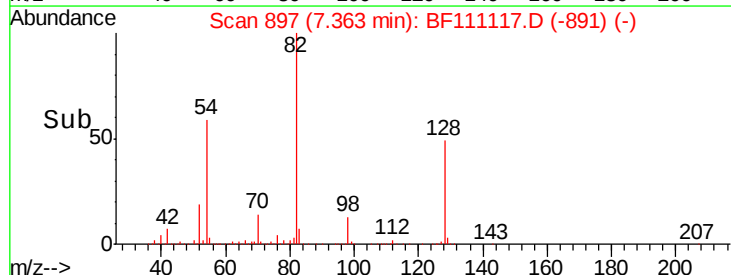
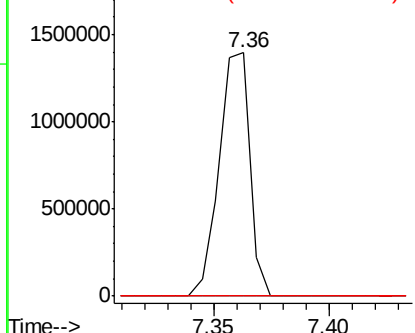


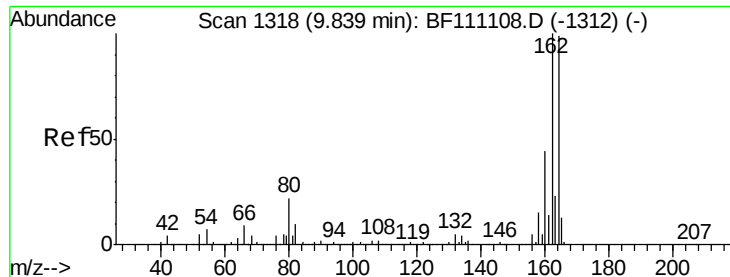
#25
Isophorone
Concen: 18.796 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.26 min
Lab File: BF111117.D
Acq: 5 Dec 2018 19:54

Tgt Ion: 82 Resp: 1279181
Ion Ratio Lower Upper
82 100
95 0.1 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

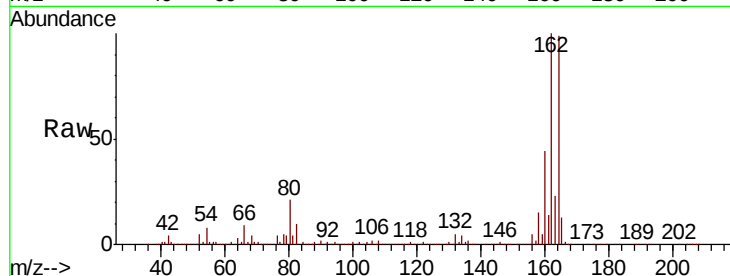




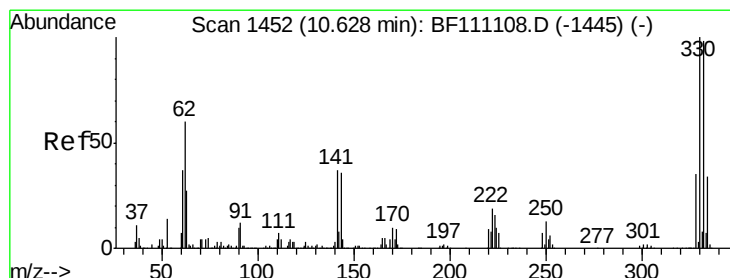
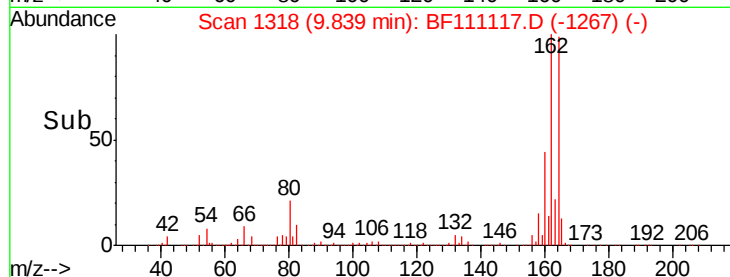
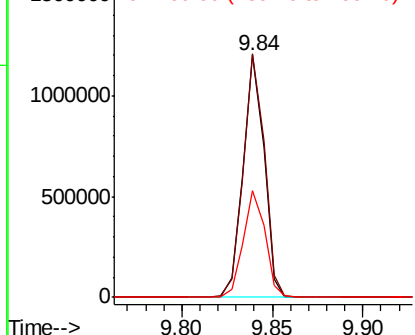
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.00 min
Lab File: BF111117.D
Acq: 5 Dec 2018 19:54

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

Tgt Ion:164 Resp: 964030
Ion Ratio Lower Upper
164 100
162 100.7 80.6 120.8
160 44.1 35.5 53.3

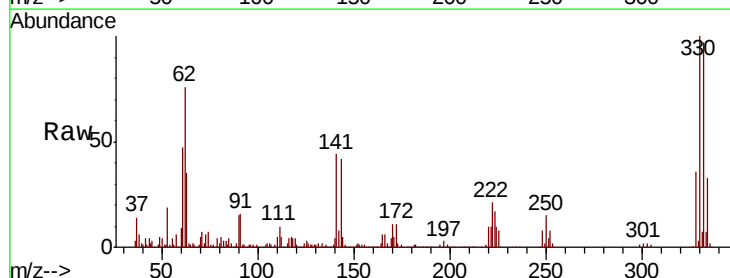


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

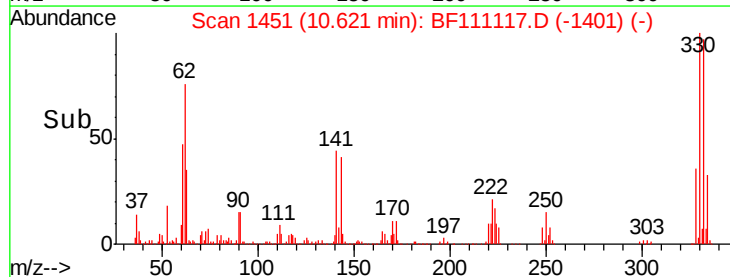
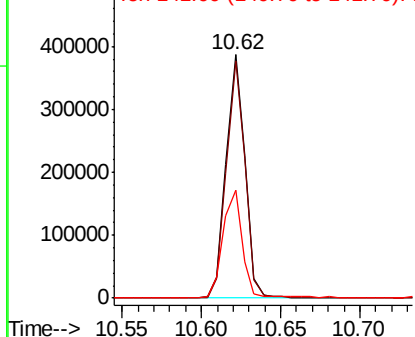


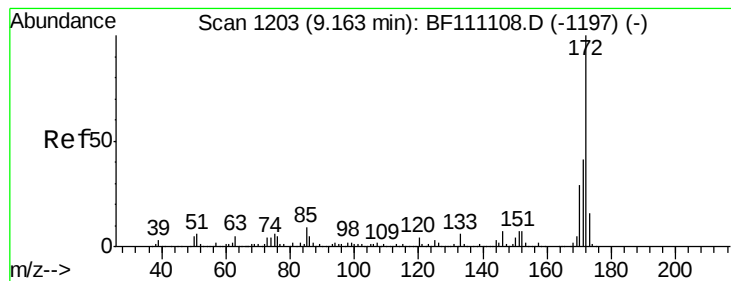
#42
2,4,6-Tribromophenol
Concen: 41.757 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.01 min
Lab File: BF111117.D
Acq: 5 Dec 2018 19:54

Tgt Ion:330 Resp: 319981
Ion Ratio Lower Upper
330 100
332 96.4 77.2 115.8
141 44.3 36.1 54.1



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





#45

2-Fluorobiphenyl

Concen: 33.875 ng

RT: 9.16 min Scan# 1203

Delta R.T. 0.00 min

Lab File: BF111117.D

Acq: 5 Dec 2018 19:54

Instrument :

BNA_F

ClientSampleId :

JC-02-113018-C

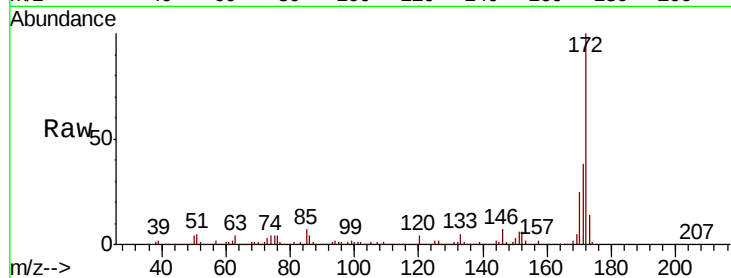
Tgt Ion:172 Resp: 2214463

Ion Ratio Lower Upper

172 100

171 38.1 33.2 49.8

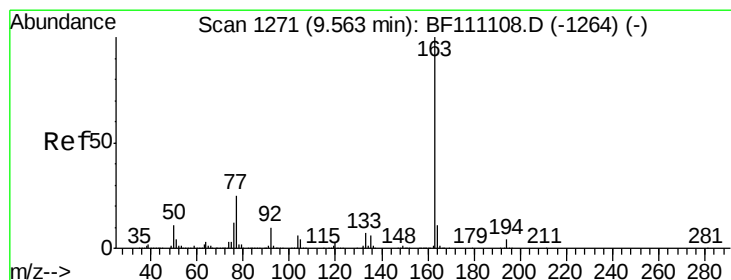
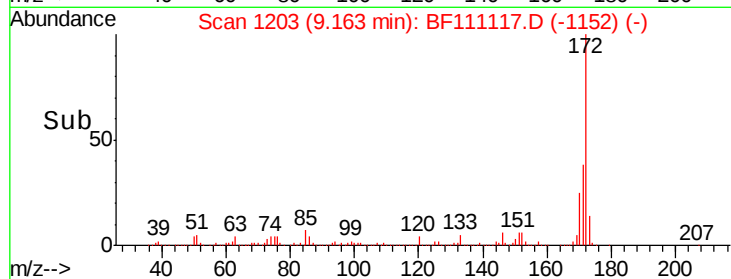
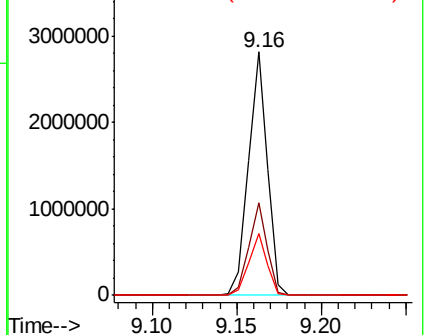
170 25.2 22.9 34.3



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: 2.456 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.01 min

Lab File: BF111117.D

Acq: 5 Dec 2018 19:54

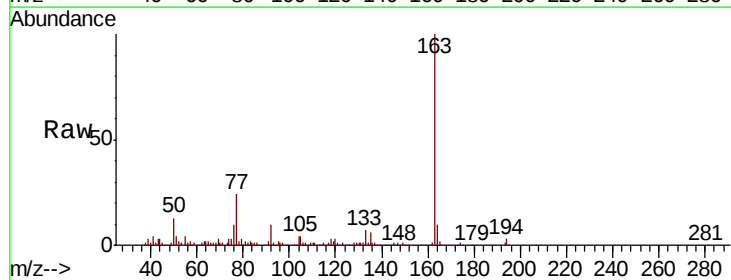
Tgt Ion:163 Resp: 164778

Ion Ratio Lower Upper

163 100

194 3.3 3.0 4.4

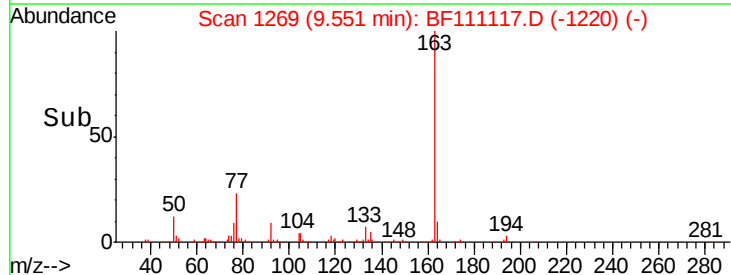
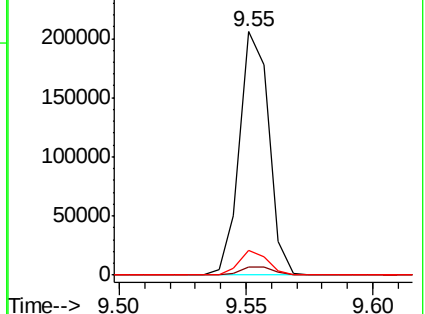
164 10.2 8.9 13.3

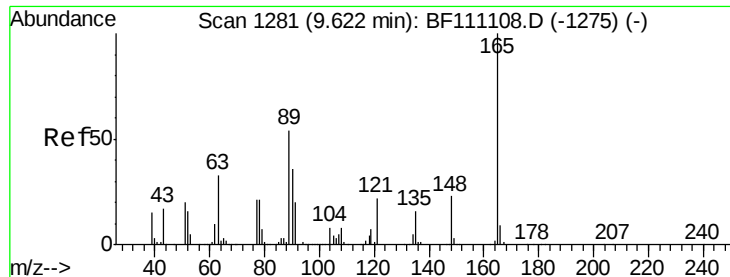


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 8.905 ng

RT: 9.84 min Scan# 1318

Delta R.T. 0.22 min

Lab File: BF111117.D

Acq: 5 Dec 2018 19:54

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JC-02-113018-C

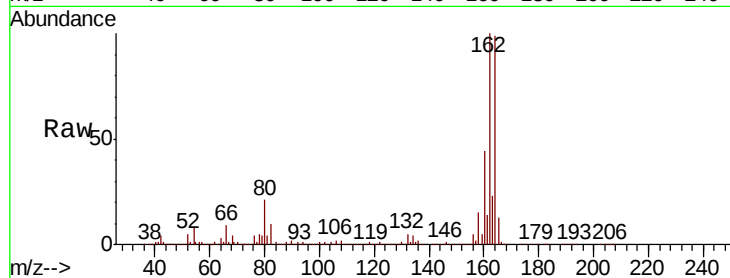
Tgt Ion:165 Resp: 126669

Ion Ratio Lower Upper

165 100

63 2.3 44.7 67.1#

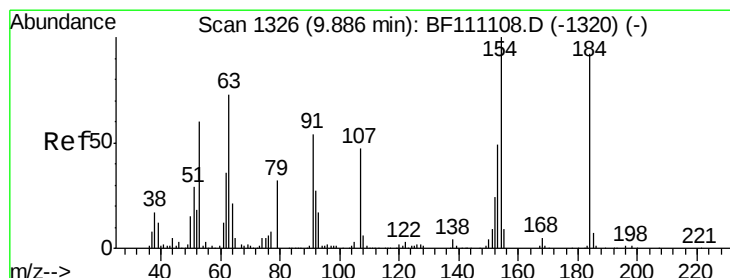
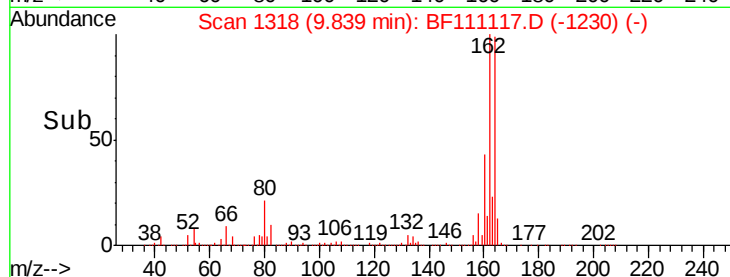
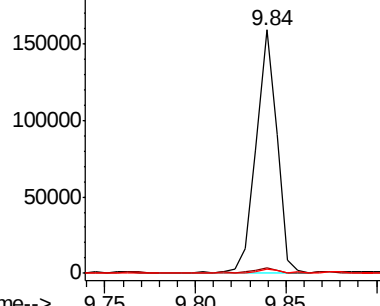
89 1.6 43.0 64.4#



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



#54

2,4-Dinitrophenol

Concen: 6.642 ng

RT: 10.13 min Scan# 1368

Delta R.T. 0.25 min

Lab File: BF111117.D

Acq: 5 Dec 2018 19:54

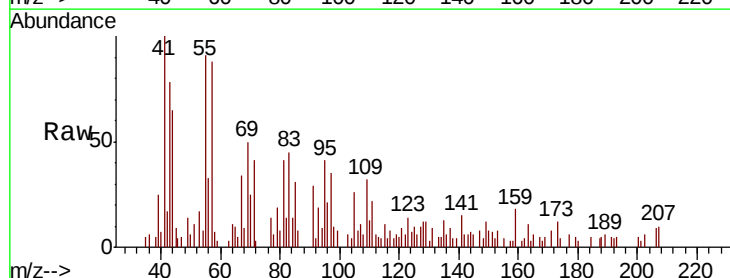
Tgt Ion:184 Resp: 186

Ion Ratio Lower Upper

184 100

63 66.2 64.2 96.4

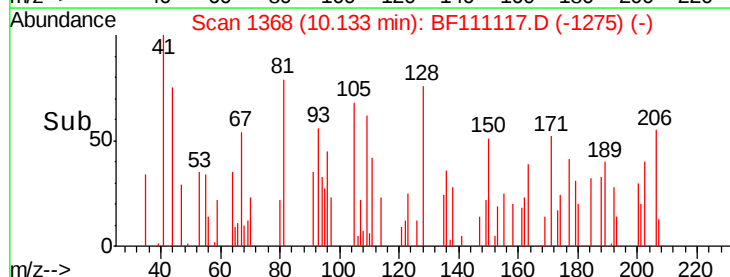
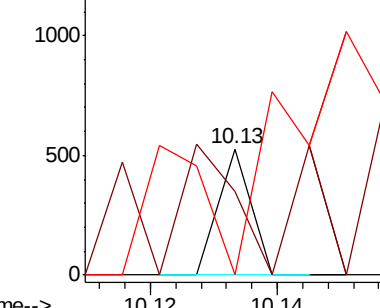
154 0.0 89.5 134.3#

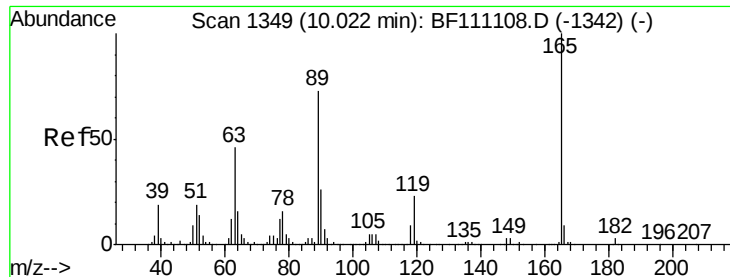


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

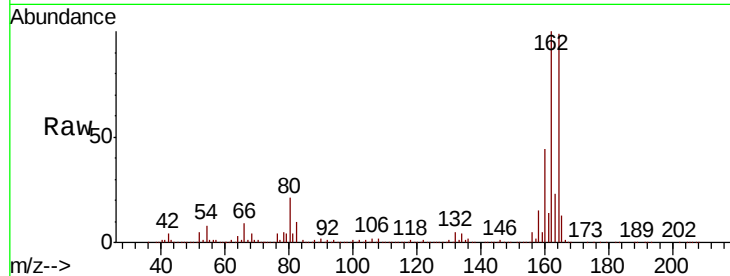




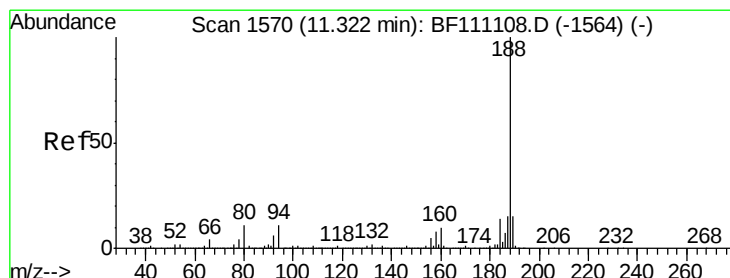
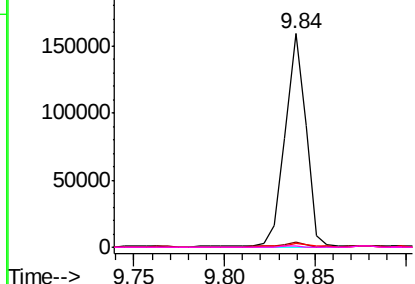
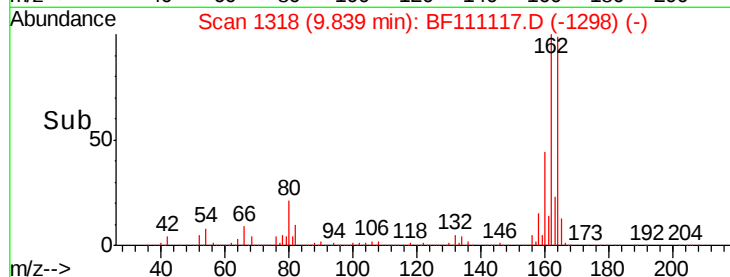
#57
 2,4-Dinitrotoluene
 Concen: 6.895 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.18 min
 Lab File: BF111117.D
 Acq: 5 Dec 2018 19:54

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

Tgt Ion:	165	Resp:	126669
Ion	Ratio	Lower	Upper
165	100		
63	2.3	36.7	55.1#
89	1.6	58.4	87.6#
182	0.6	2.1	3.1#

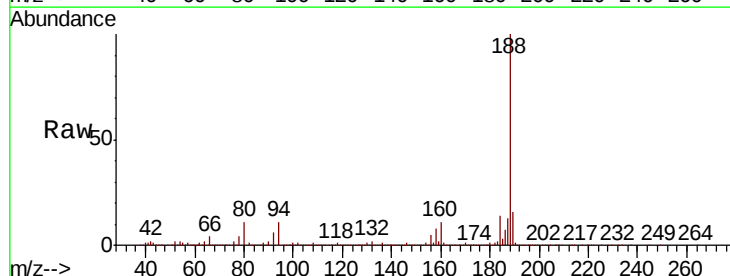


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

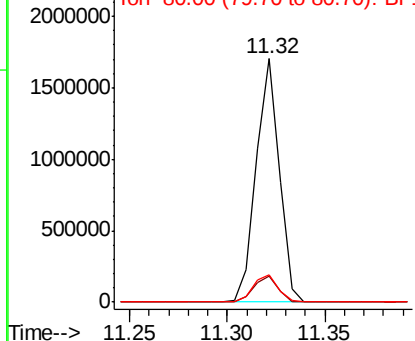
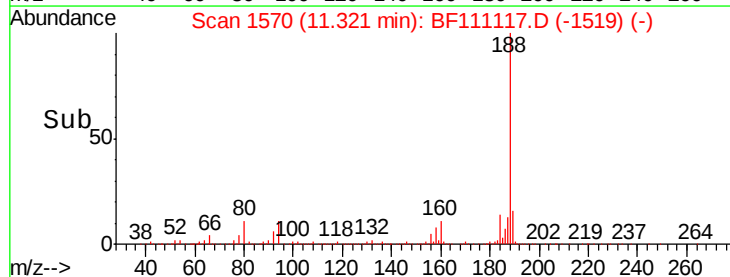


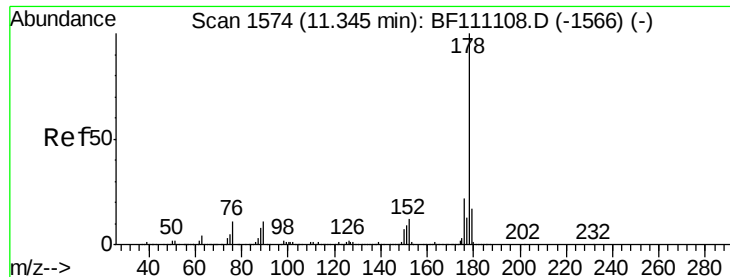
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: BF111117.D
 Acq: 5 Dec 2018 19:54

Tgt Ion:	188	Resp:	1397909
Ion	Ratio	Lower	Upper
188	100		
94	10.9	8.5	12.7
80	11.4	9.0	13.6



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





#71

Phenanthrene

Concen: 2.026 ng

RT: 11.34 min Scan# 1574

Delta R.T. -0.00 min

Lab File: BF111117.D

Acq: 5 Dec 2018 19:54

Instrument :

BNA_F

ClientSampleId :

JC-02-113018-C

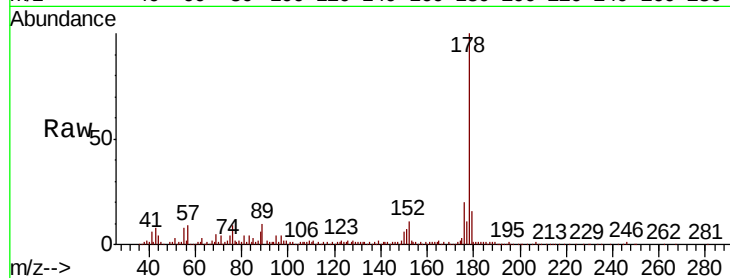
Tgt Ion:178 Resp: 136234

Ion Ratio Lower Upper

178 100

176 19.6 17.7 26.5

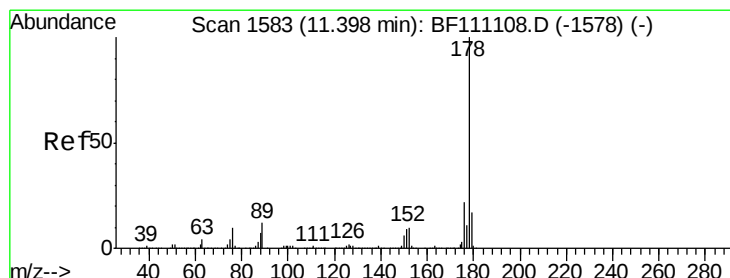
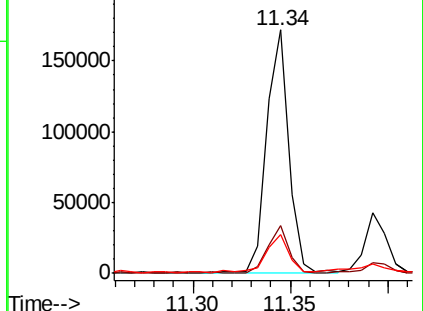
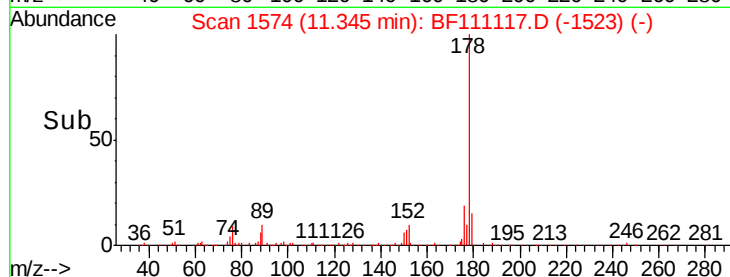
179 15.7 14.0 21.0



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: 2.010 ng

RT: 11.34 min Scan# 1574

Delta R.T. -0.05 min

Lab File: BF111117.D

Acq: 5 Dec 2018 19:54

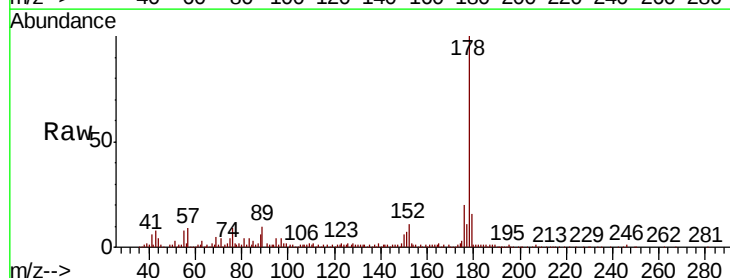
Tgt Ion:178 Resp: 136234

Ion Ratio Lower Upper

178 100

176 19.6 17.3 25.9

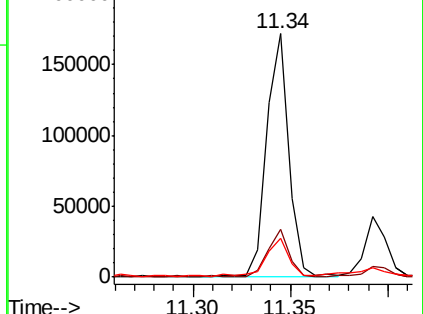
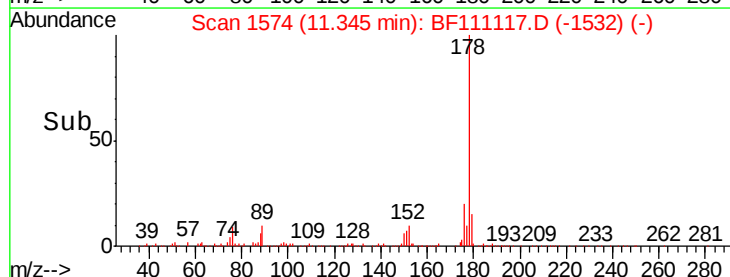
179 15.7 13.8 20.8

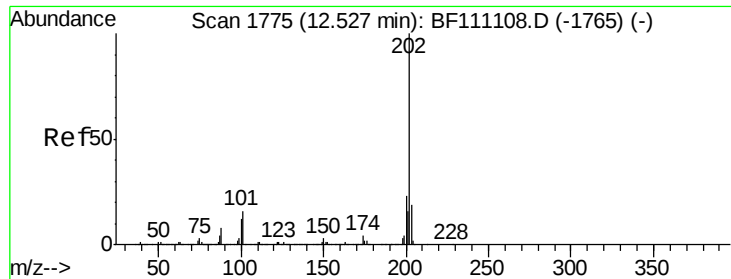


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 2.583 ng

RT: 12.53 min Scan# 1775

Delta R.T. -0.00 min

Lab File: BF111117.D

Acq: 5 Dec 2018 19:54

Instrument :

BNA_F

ClientSampleId :

JC-02-113018-C

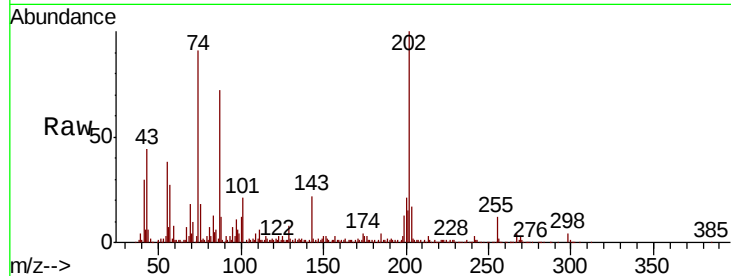
Tgt Ion:202 Resp: 169930

Ion Ratio Lower Upper

202 100

101 20.8 0.0 35.8

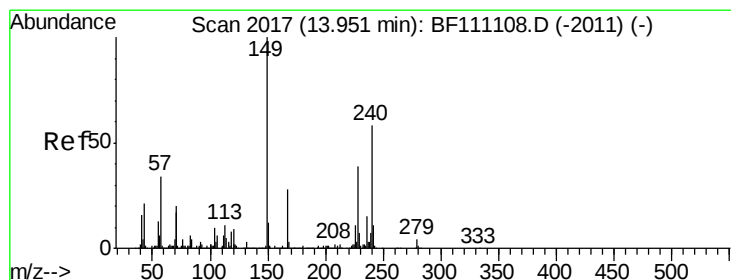
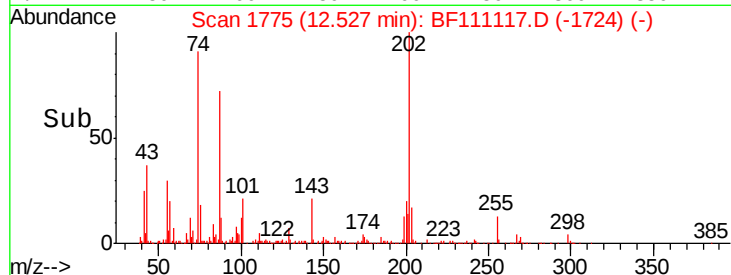
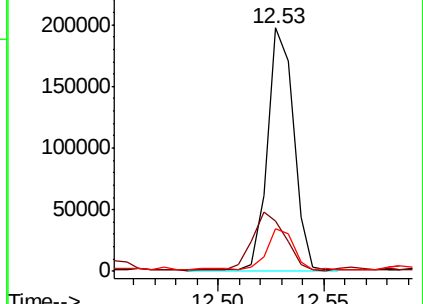
203 17.5 0.0 38.6



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: BF111117.D

Acq: 5 Dec 2018 19:54

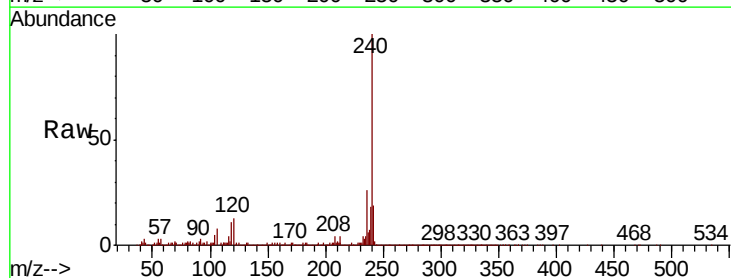
Tgt Ion:240 Resp: 1063847

Ion Ratio Lower Upper

240 100

120 12.8 12.8 19.2#

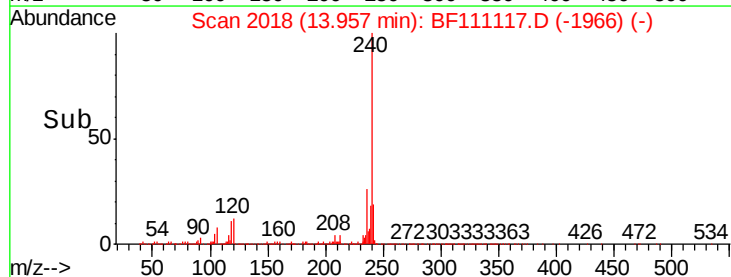
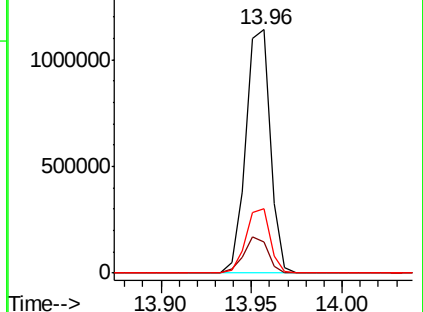
236 26.5 21.1 31.7

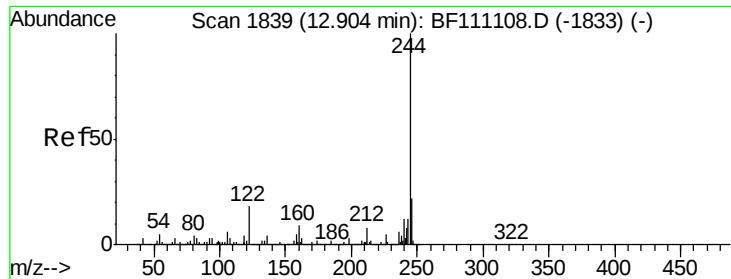


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 29.389 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.00 min

Lab File: BF111117.D

Acq: 5 Dec 2018 19:54

Instrument :

BNA_F

ClientSampleId :

JC-02-113018-C

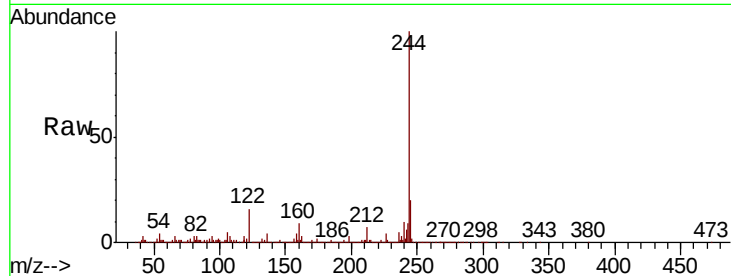
Tgt Ion:244 Resp: 1526656

Ion Ratio Lower Upper

244 100

212 7.2 6.6 9.8

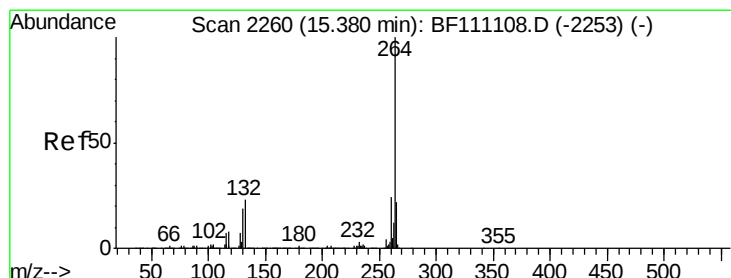
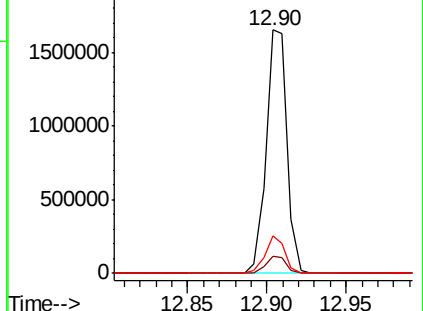
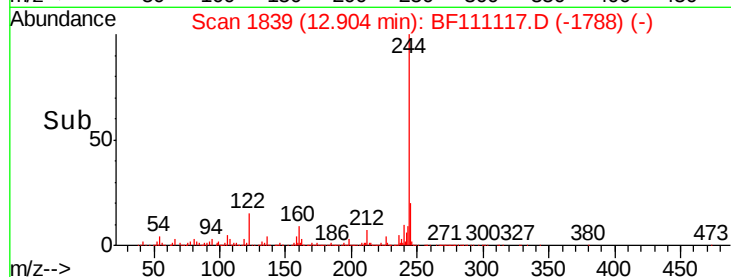
122 15.6 14.2 21.2



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.39 min Scan# 2262

Delta R.T. 0.01 min

Lab File: BF111117.D

Acq: 5 Dec 2018 19:54

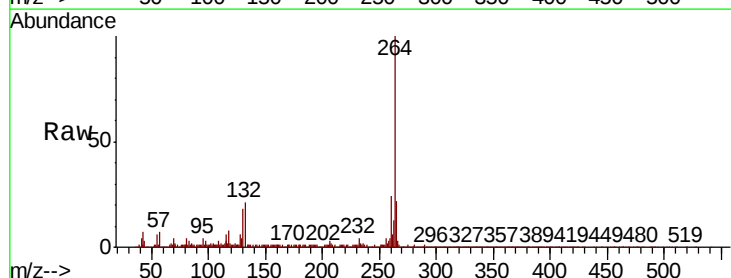
Tgt Ion:264 Resp: 753181

Ion Ratio Lower Upper

264 100

260 24.3 19.4 29.0

265 21.6 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

