

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031919\
 Data File : BF113153.D
 Acq On : 20 Mar 2019 4:59
 Operator : JU/SJ
 Sample : K1971-09DL 100X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-15(1-2)-031519DL

Quant Time: Mar 20 07:19:54 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 13 03:42:55 2019
 Response via : Initial Calibration

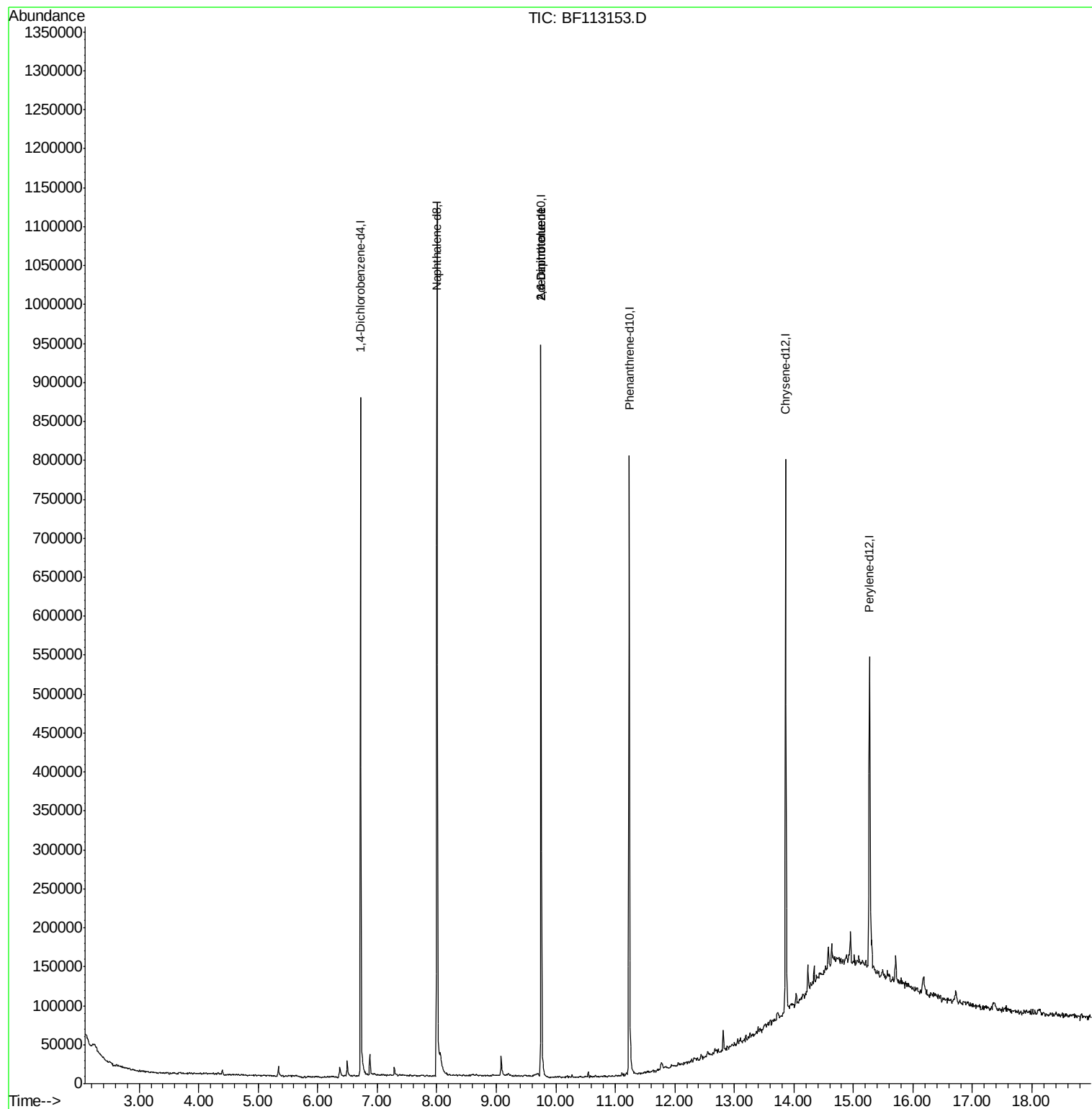
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	147513	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	561422	20.00	ng	-0.01
39) Acenaphthene-d10	9.75	164	211036	20.00	ng	-0.02
64) Phenanthrene-d10	11.23	188	341398	20.00	ng	-0.01
76) Chrysene-d12	13.86	240	270916	20.00	ng	0.00
87) Perylene-d12	15.27	264	199312	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	6027	0.64	ng	0.00
7) Phenol-d6	6.37	99	9135	0.77	ng	0.00
23) Nitrobenzene-d5	7.29	82	5895	0.63	ng	-0.01
42) 2,4,6-Tribromophenol	10.55	330	1777	0.79	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	15330	-1.00	ng	-0.01
79) Terphenyl-d14	12.82	244	10081	0.72	ng	0.00
Target Compounds						
51) 2,6-Dinitrotoluene	9.75	165	26329	8.125	ng	# 18
57) 2,4-Dinitrotoluene	9.75	165	26329	6.537	ng	# 18

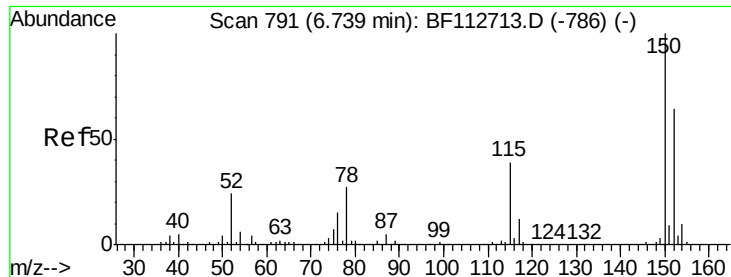
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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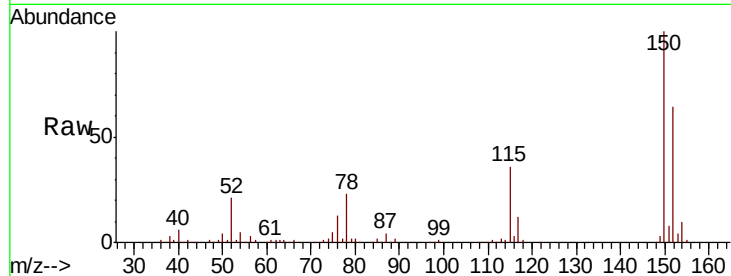


#1

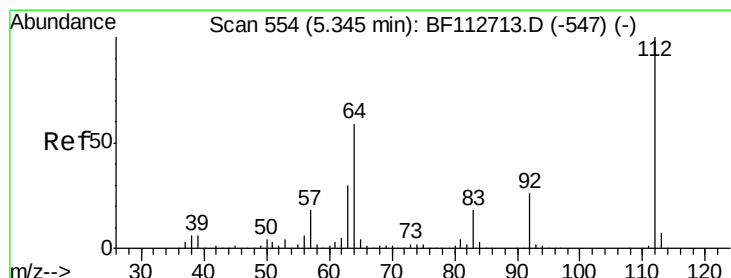
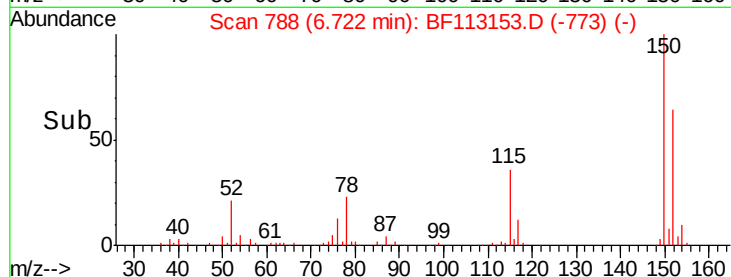
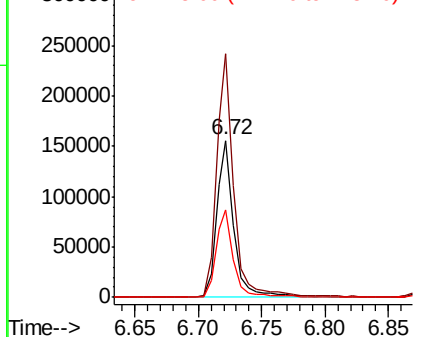
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF113153.D
Acq: 20 Mar 2019 4:59

Instrument :
BNA_F
ClientSampleId :
SB-15(1-2)-031519DL

Tgt Ion:152 Resp: 147513
Ion Ratio Lower Upper
152 100
150 155.2 124.2 186.2
115 56.1 48.2 72.4



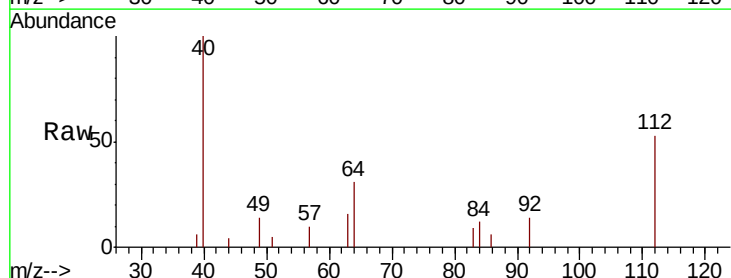
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



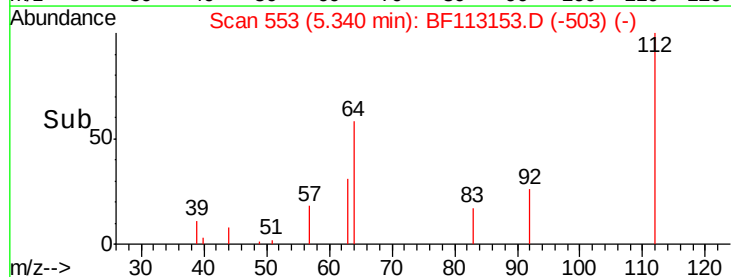
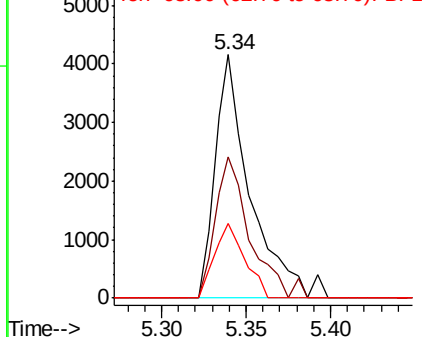
#5

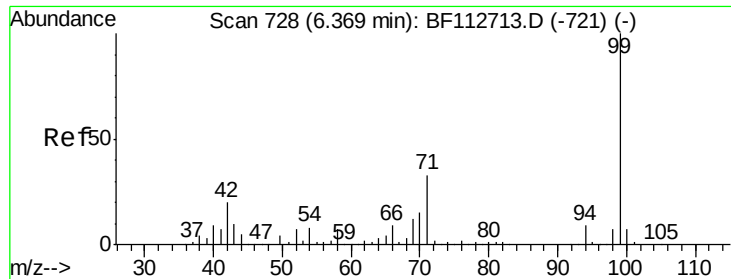
2-Fluorophenol
Concen: 0.636 ng
RT: 5.34 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF113153.D
Acq: 20 Mar 2019 4:59

Tgt Ion:112 Resp: 6027
Ion Ratio Lower Upper
112 100
64 58.1 47.6 71.4
63 30.7 24.4 36.6



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: 0.767 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF113153.D

Acq: 20 Mar 2019 4:59

Instrument :

BNA_F

ClientSampleId :

SB-15(1-2)-031519DL

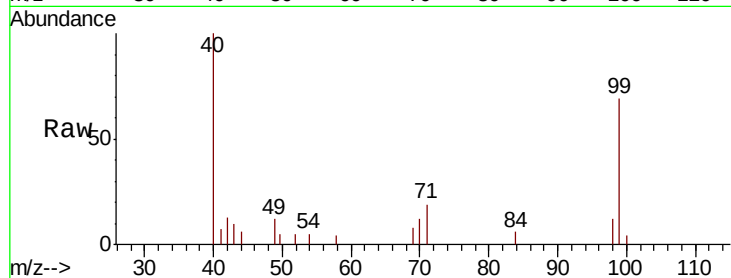
Tgt Ion: 99 Resp: 9135

Ion Ratio Lower Upper

99 100

42 18.9 16.3 24.5

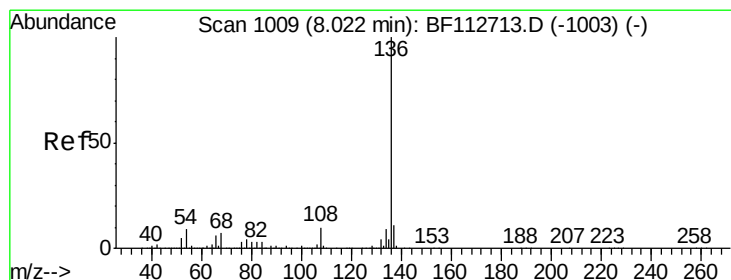
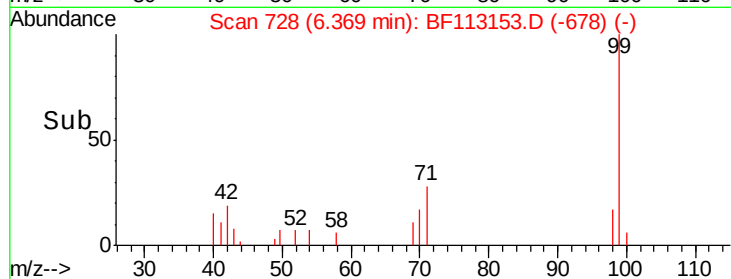
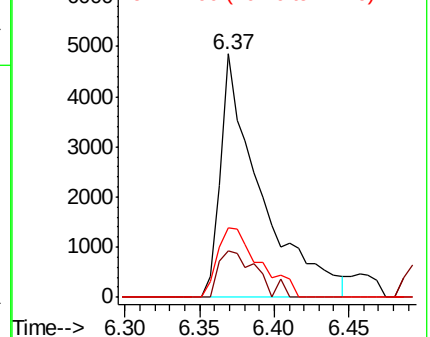
71 28.4 26.2 39.4



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1006

Delta R.T. -0.01 min

Lab File: BF113153.D

Acq: 20 Mar 2019 4:59

Tgt Ion: 136 Resp: 561422

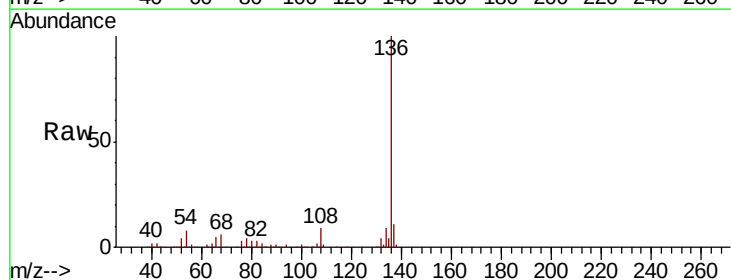
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 7.8 7.3 10.9

68 5.7 5.4 8.2

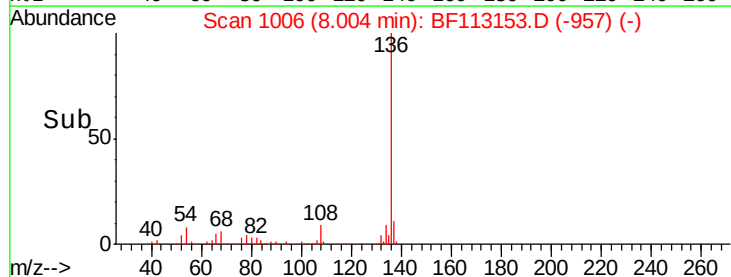
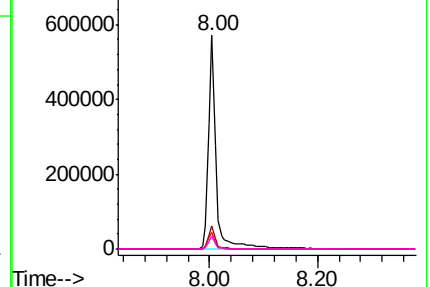


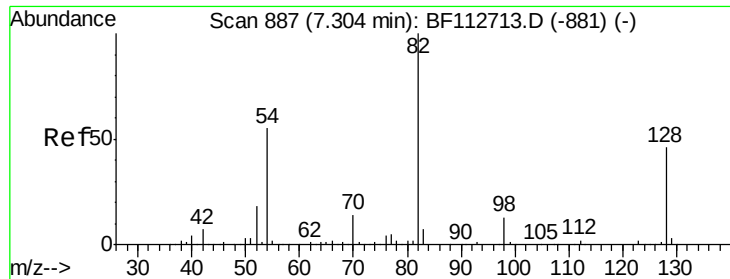
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

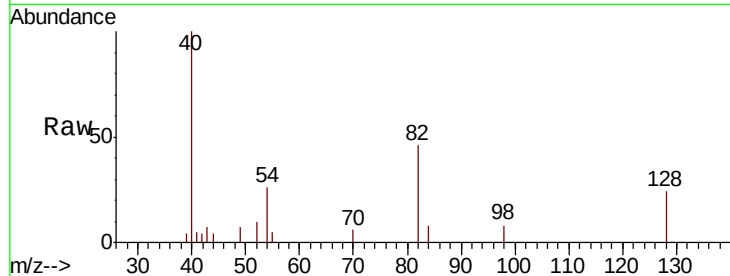




#23
 Nitrobenzene-d5
 Concen: 0.628 ng
 RT: 7.29 min Scan# 884
 Delta R.T. -0.01 min
 Lab File: BF113153.D
 Acq: 20 Mar 2019 4:59

Instrument :
 BNA_F
 ClientSampleId :
 SB-15(1-2)-031519DL

Tgt Ion	Ratio	Lower	Upper
82	100		
128	52.0	36.3	54.5
54	57.9	43.7	65.5

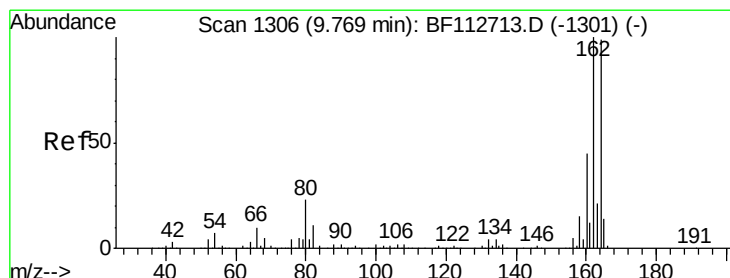
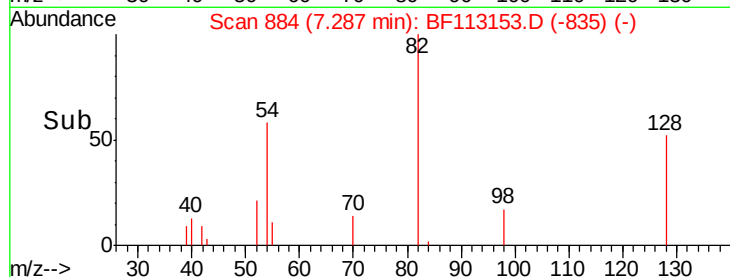
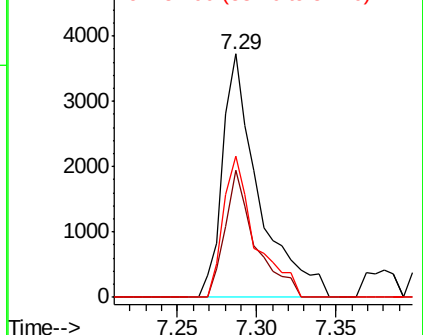


Abundance

Ion 82.00 (81.70 to 82.70): BF1

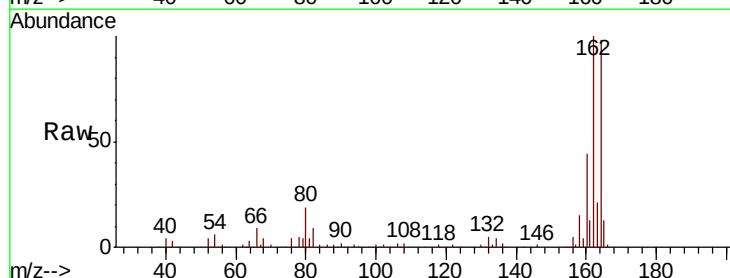
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. -0.02 min
 Lab File: BF113153.D
 Acq: 20 Mar 2019 4:59

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.9	80.6	120.8
160	44.8	36.0	54.0

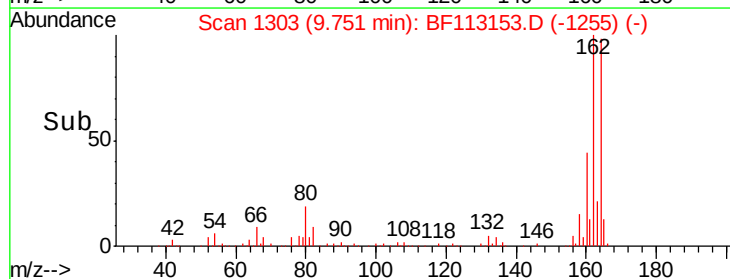
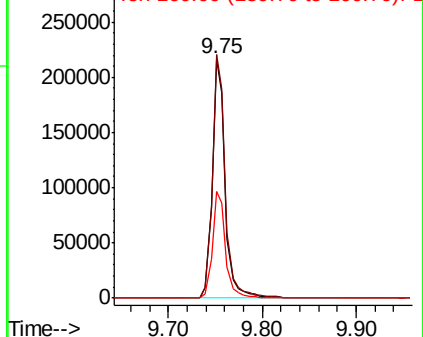


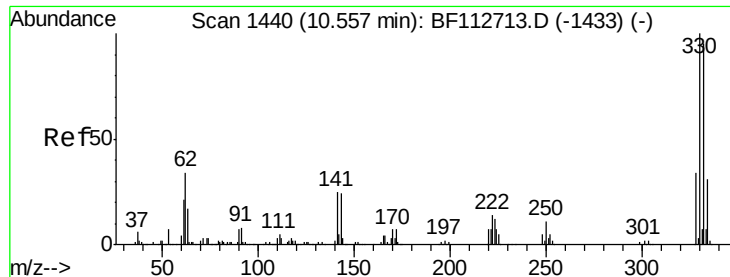
Abundance

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

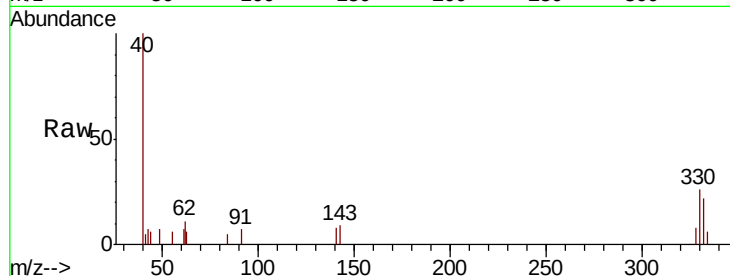




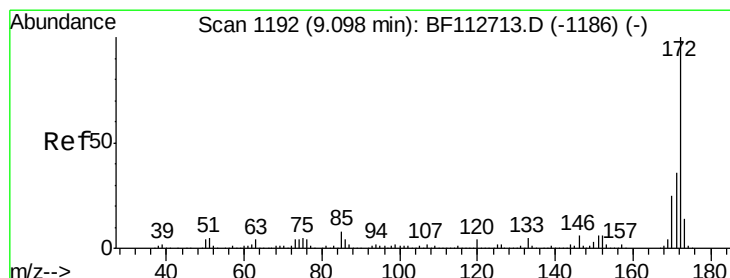
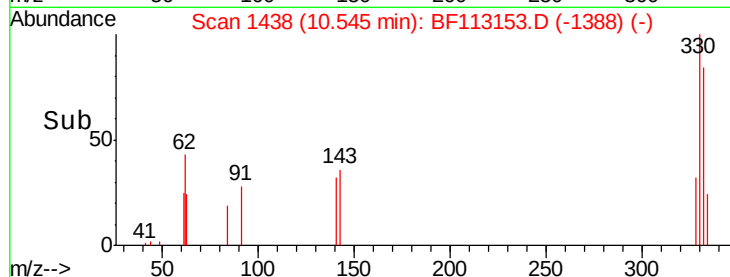
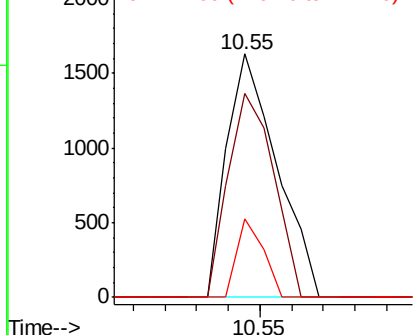
#42
 2,4,6-Tribromophenol
 Concen: 0.793 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF113153.D
 Acq: 20 Mar 2019 4:59

Instrument :
 BNA_F
 ClientSampleId :
 SB-15(1-2)-031519DL

Tgt Ion: 330 Resp: 1777
 Ion Ratio Lower Upper
 330 100
 332 75.9 76.2 114.4#
 141 16.7 27.0 40.6#

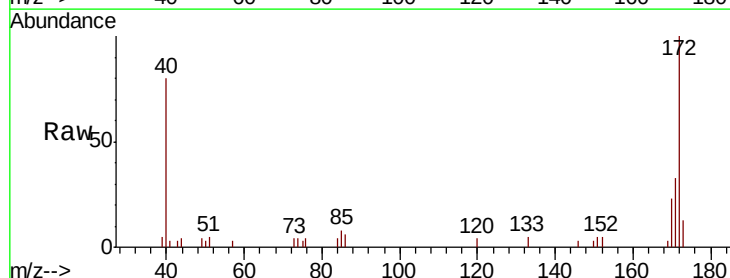


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

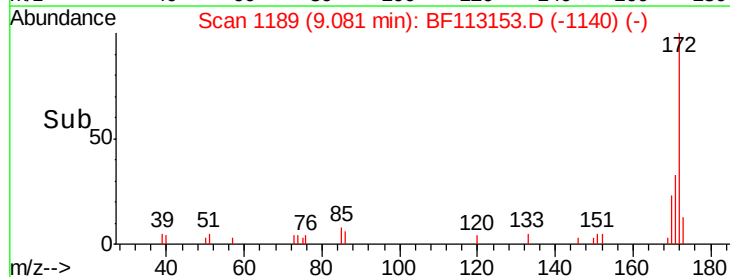
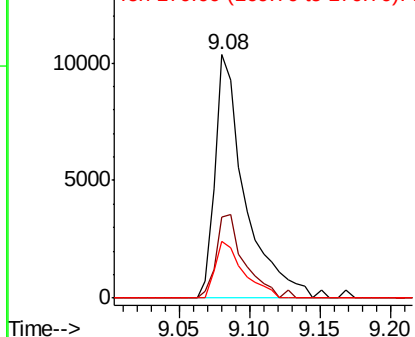


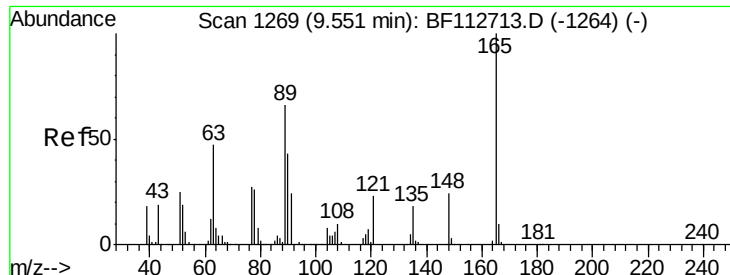
#45
 2-Fluorobiphenyl
 Concen: -1.000 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF113153.D
 Acq: 20 Mar 2019 4:59

Tgt Ion: 172 Resp: 15330
 Ion Ratio Lower Upper
 172 100
 171 33.3 29.0 43.4
 170 23.0 20.0 30.0



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: 8.125 ng

RT: 9.75 min Scan# 1303

Delta R.T. 0.20 min

Lab File: BF113153.D

Acq: 20 Mar 2019 4:59

Instrument :

BNA_F

ClientSampleId :

SB-15(1-2)-031519DL

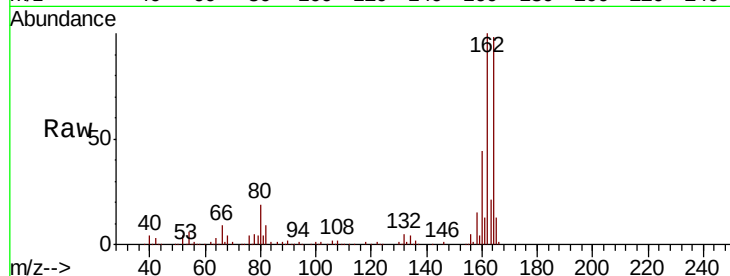
Tgt Ion:165 Resp: 26329

Ion Ratio Lower Upper

165 100

63 1.1 54.1 81.1#

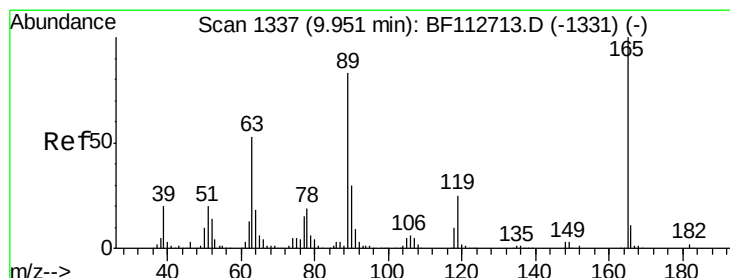
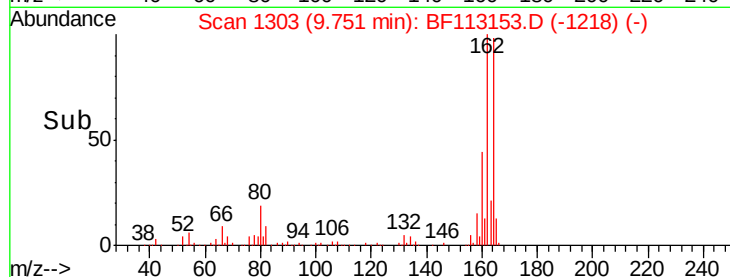
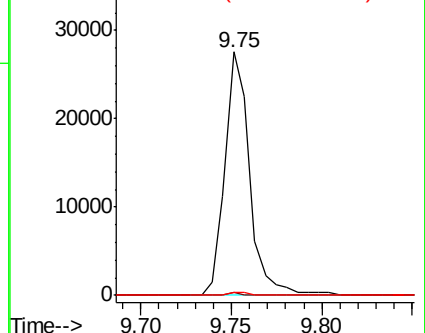
89 1.3 52.8 79.2#



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: 6.537 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.21 min

Lab File: BF113153.D

Acq: 20 Mar 2019 4:59

Tgt Ion:165 Resp: 26329

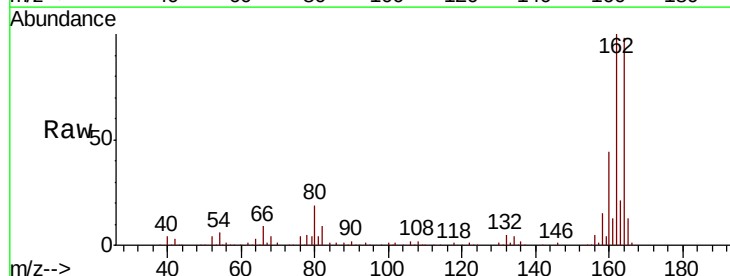
Ion Ratio Lower Upper

165 100

63 1.1 42.2 63.2#

89 1.3 66.2 99.4#

182 0.0 1.8 2.6#

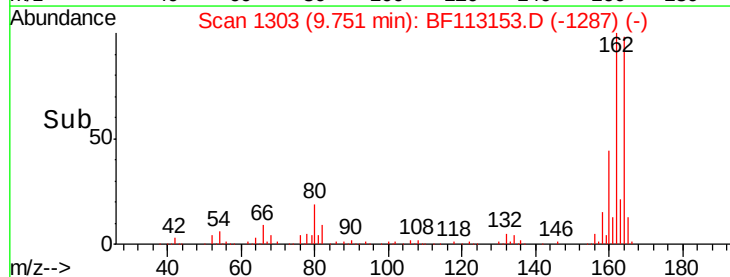
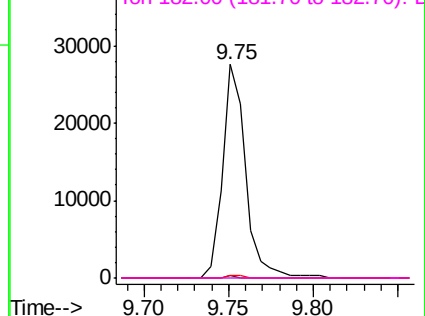


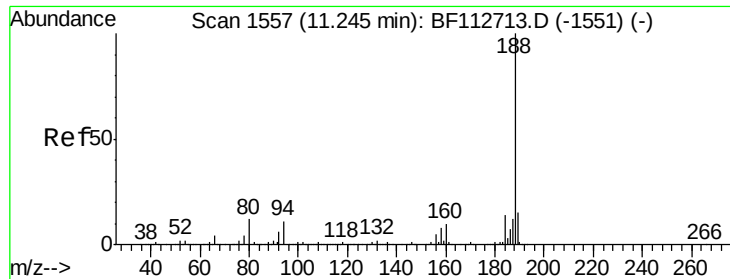
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.23 min Scan# 1555

Delta R.T. -0.01 min

Lab File: BF113153.D

Acq: 20 Mar 2019 4:59

Instrument :

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ClientSampleId :

SB-15(1-2)-031519DL

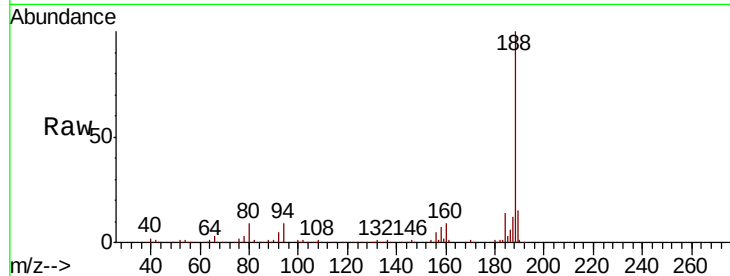
Tgt Ion:188 Resp: 341398

Ion Ratio Lower Upper

188 100

94 8.6 9.0 13.4#

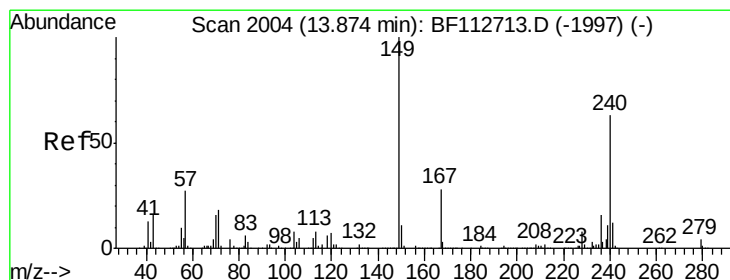
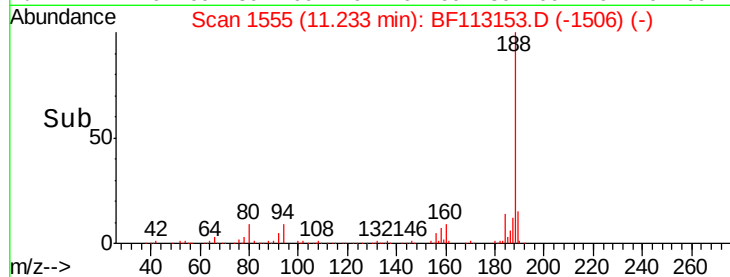
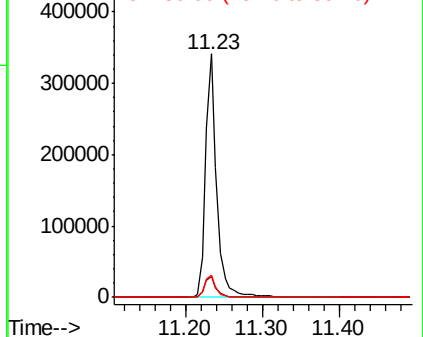
80 9.1 9.2 13.8#



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF113153.D

Acq: 20 Mar 2019 4:59

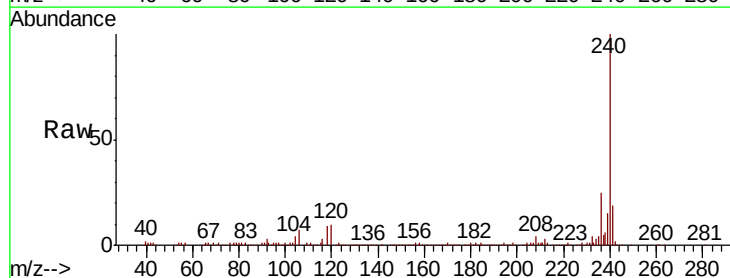
Tgt Ion:240 Resp: 270916

Ion Ratio Lower Upper

240 100

120 9.8 8.9 13.3

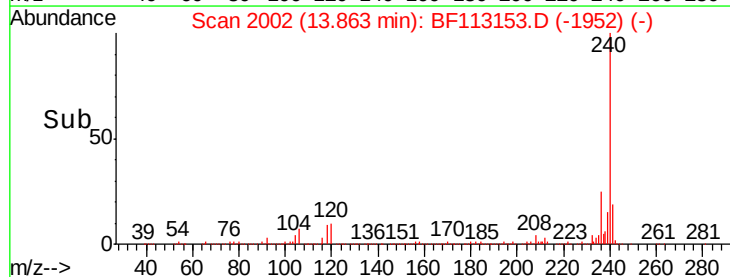
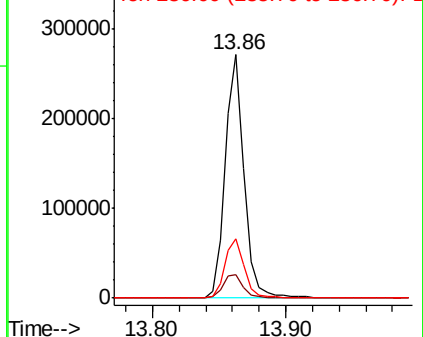
236 24.5 20.7 31.1

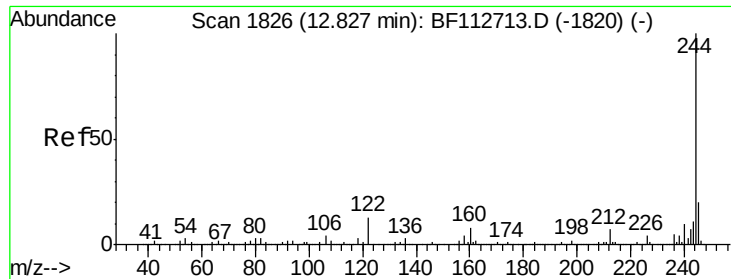


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 0.721 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BF113153.D

Acq: 20 Mar 2019 4:59

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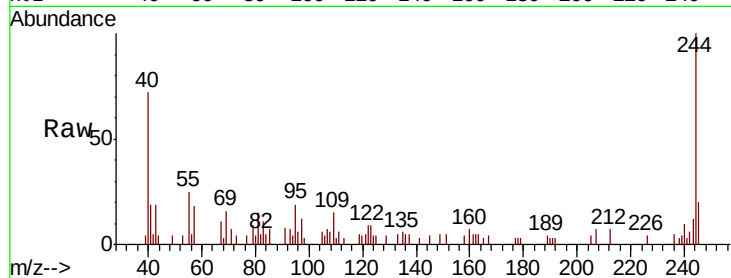
Tgt Ion:244 Resp: 10081

Ion Ratio Lower Upper

244 100

212 6.5 5.6 8.4

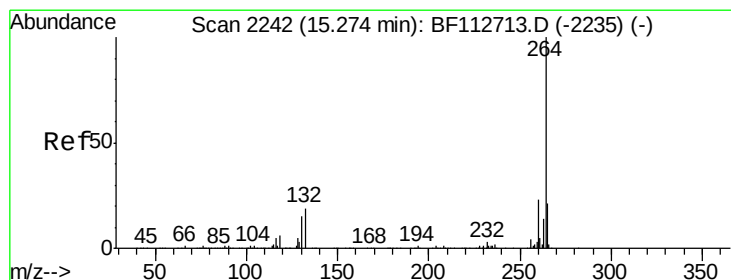
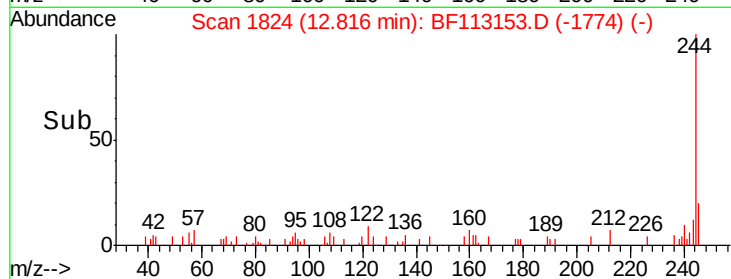
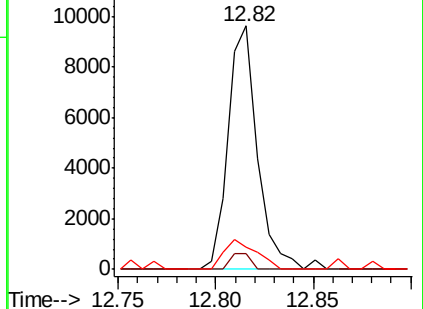
122 8.9 10.5 15.7#



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.27 min Scan# 2241

Delta R.T. -0.01 min

Lab File: BF113153.D

Acq: 20 Mar 2019 4:59

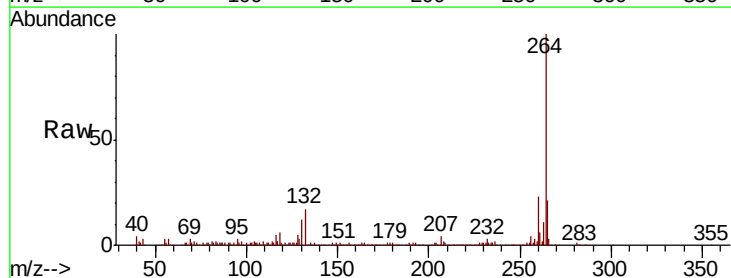
Tgt Ion:264 Resp: 199312

Ion Ratio Lower Upper

264 100

260 23.3 18.7 28.1

265 21.2 17.2 25.8



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

