

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121218\
 Data File : BF111357.D
 Acq On : 13 Dec 2018 8:27
 Operator : JU/SJ
 Sample : J6328-01
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 13 09:55:46 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 12 13:16:52 2018
 Response via : Initial Calibration

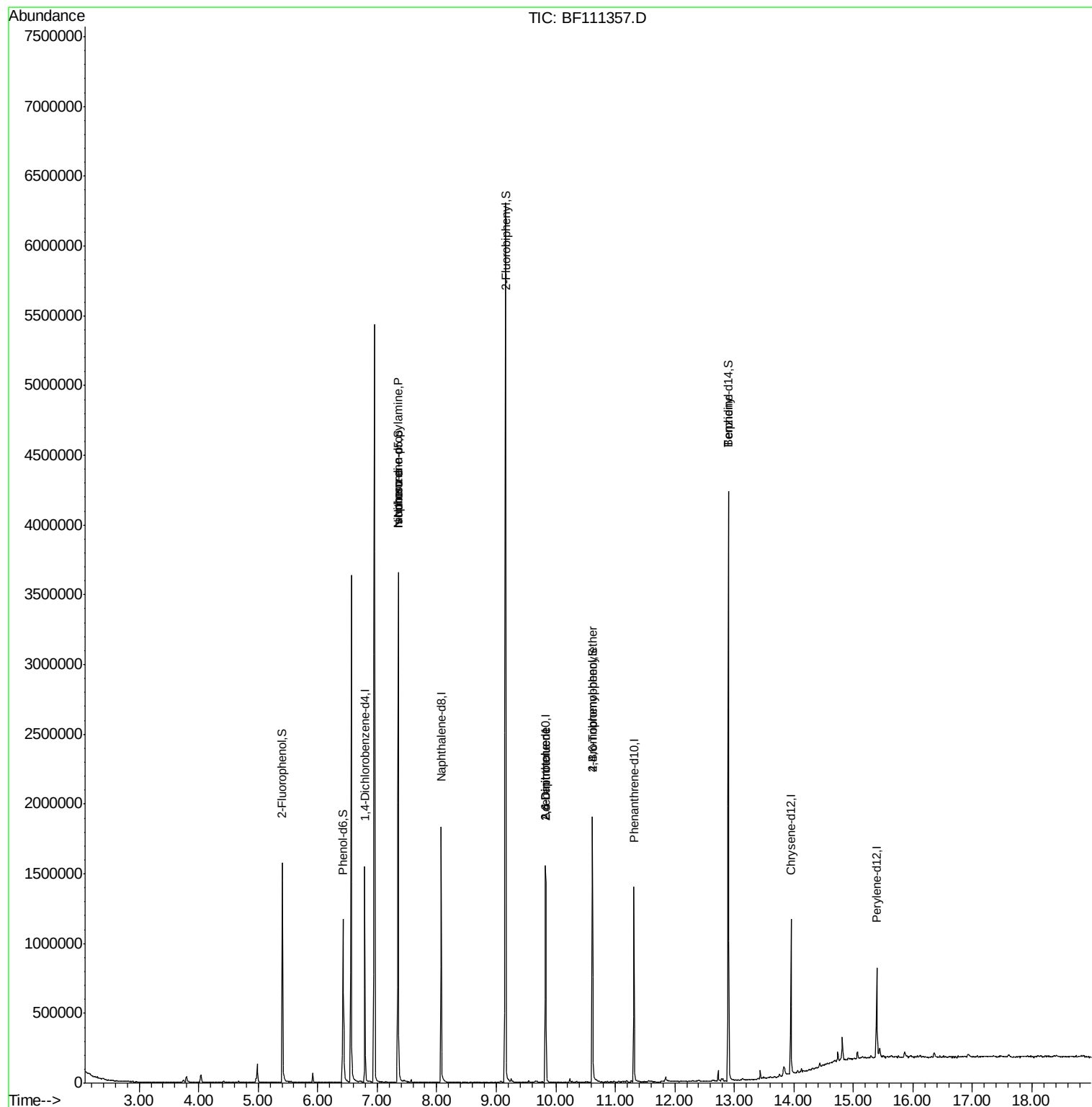
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	207817	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	785696	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	320112	20.00	ng	0.00
64) Phenanthrene-d10	11.31	188	528864	20.00	ng	0.00
76) Chrysene-d12	13.95	240	371079	20.00	ng	0.00
87) Perylene-d12	15.39	264	288936	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	458920	37.34	ng	0.00
7) Phenol-d6	6.42	99	396353	23.92	ng	-0.01
23) Nitrobenzene-d5	7.35	82	1192118	85.52	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	199835	70.82	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	2050410	102.84	ng	0.00
79) Terphenyl-d14	12.90	244	1548092	91.82	ng	0.00
Target Compounds						
9) Benzaldehyde	6.42	77	1012	Below Cal		Qvalue # 1
19) n-Nitroso-di-n-propylamine	7.35	70	154850	14.064	ng	# 74
25) Isophorone	7.35	82	1177562	49.731	ng	# 64
51) 2,6-Dinitrotoluene	9.83	165	40151	7.869	ng	# 28
57) 2,4-Dinitrotoluene	9.83	165	40151	6.140	ng	# 24
67) 4-Bromophenyl-phenylether	10.62	248	13161	2.235	ng	# 1
77) Benzydine	12.90	184	17836	2.547	ng	95

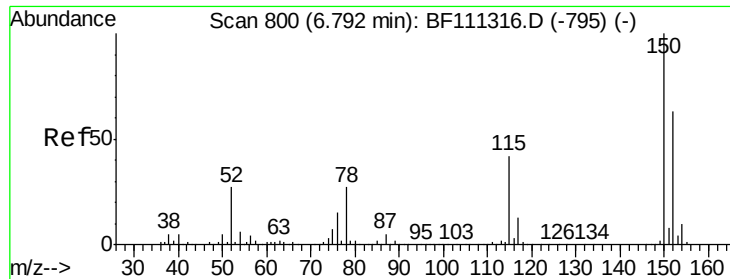
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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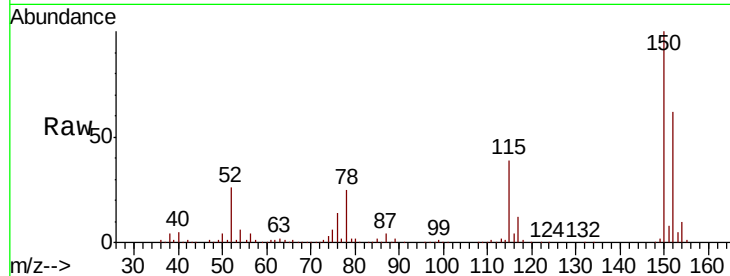


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.00 min
Lab File: BF111357.D
Acq: 13 Dec 2018 8:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.2	126.6	189.8
115	63.1	50.7	76.1

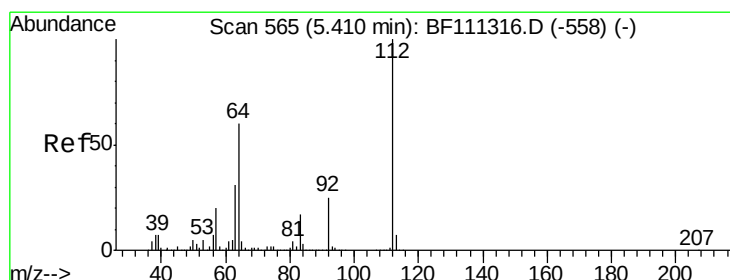
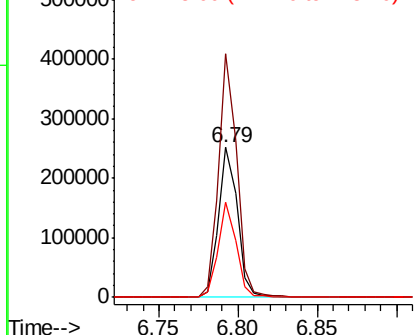
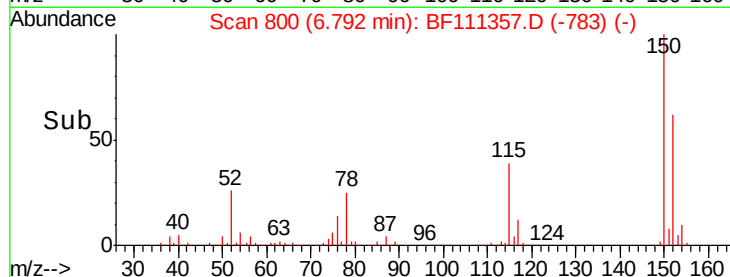


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

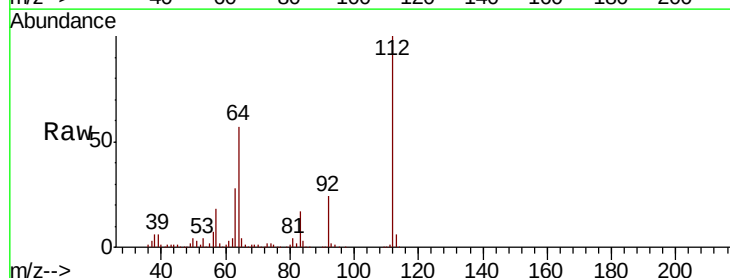
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 37.343 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.00 min
Lab File: BF111357.D
Acq: 13 Dec 2018 8:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.8	51.8	77.6
63	28.2	26.8	40.2

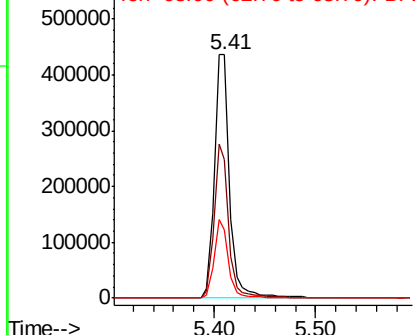
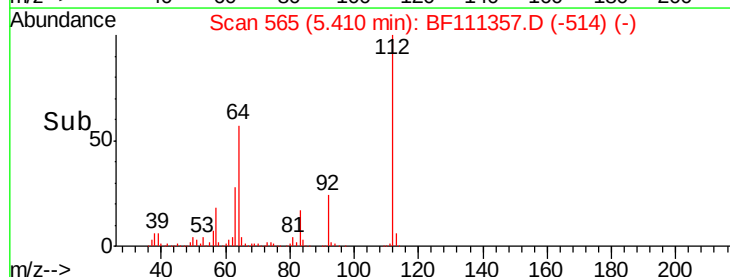


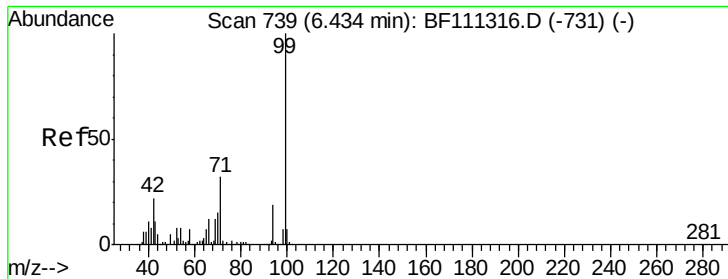
Abundance

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: 23.921 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.01 min

Lab File: BF111357.D

Acq: 13 Dec 2018 8:27

Instrument :

BNA_F

ClientSampled :

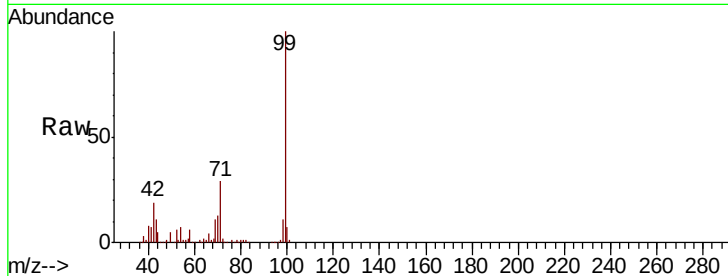
Tot Ion: 99 Resp: 396353

Ion Ratio Lower Upper

99 100

42 19.1 17.4 26.0

71 28.8 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

6.42

400000

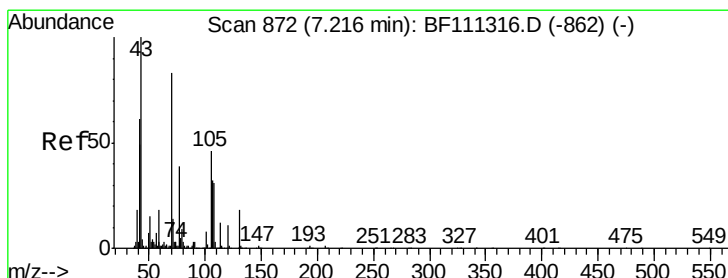
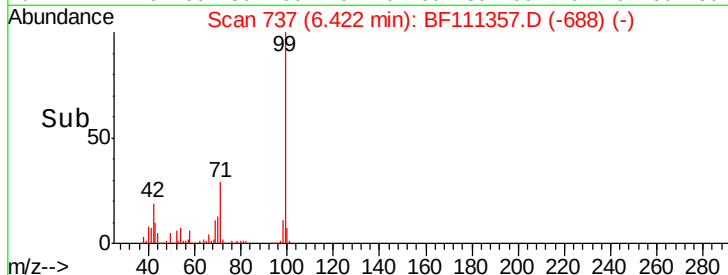
300000

200000

100000

0

Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 14.064 ng

RT: 7.35 min Scan# 895

Delta R.T. 0.14 min

Lab File: BF111357.D

Acq: 13 Dec 2018 8:27

Tgt Ion: 70 Resp: 154850

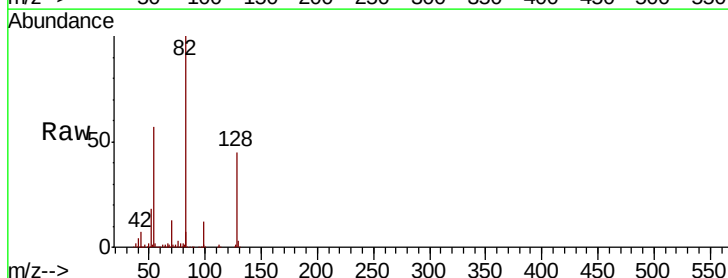
Ion Ratio Lower Upper

70 100

42 50.7 53.2 79.8#

101 0.0 8.2 12.4#

130 2.3 18.1 27.1#



Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

7.35

250000

200000

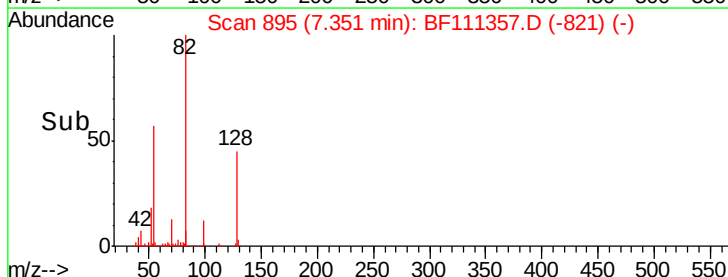
150000

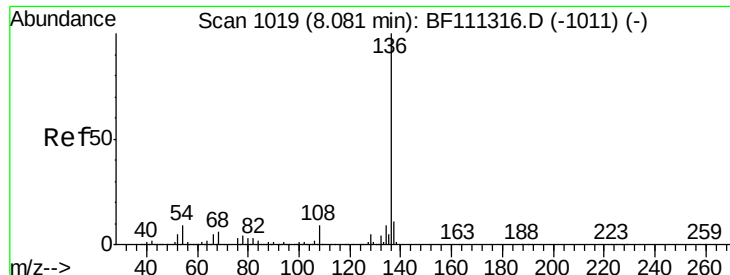
100000

50000

0

Time-->

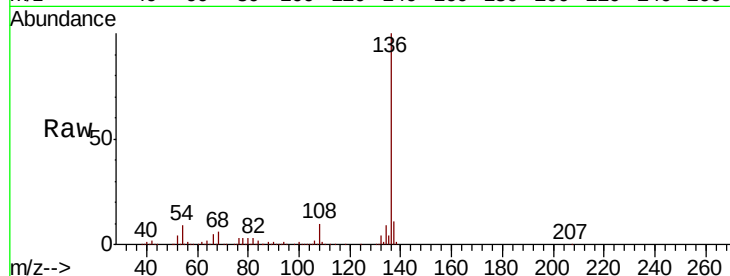




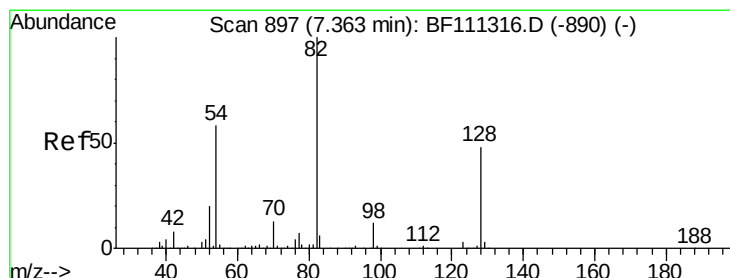
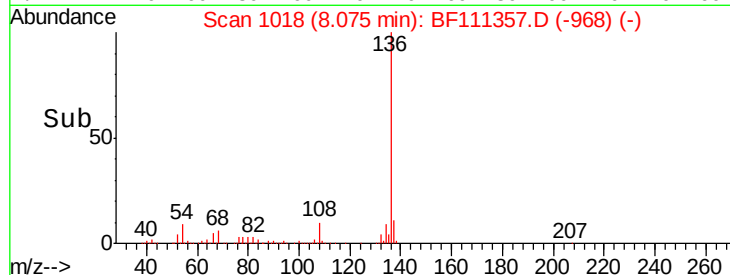
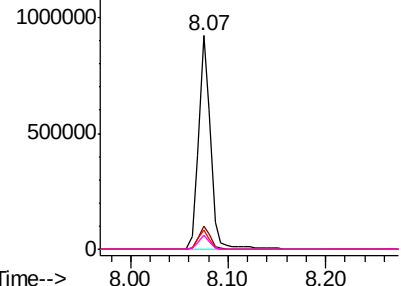
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF111357.D
Acq: 13 Dec 2018 8:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	785696	
Ion Ratio	Lower	Upper	
136 100			
137 10.8	9.1	13.7	
54 8.9	7.7	11.5	
68 6.3	4.9	7.3	

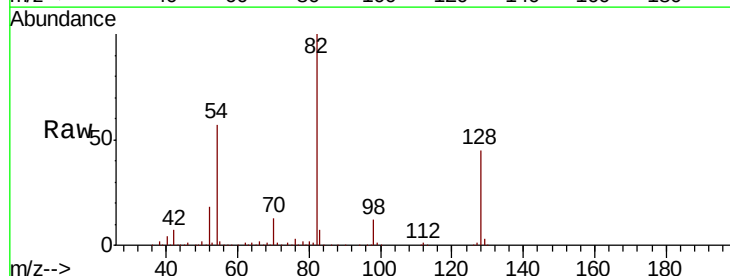


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

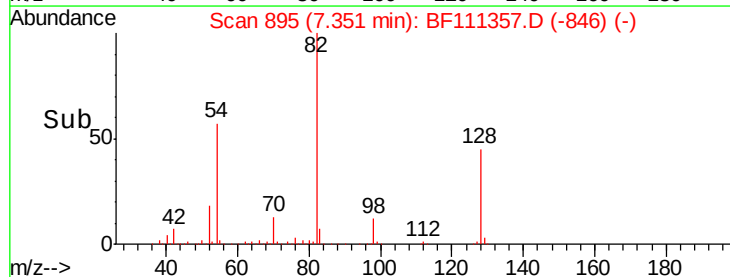
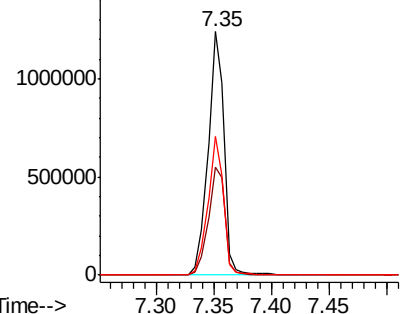


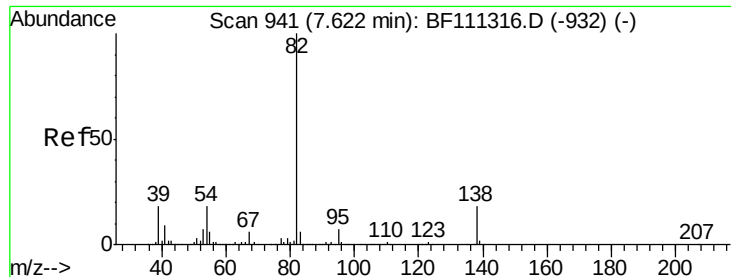
#23
Nitrobenzene-d5
Concen: 85.519 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.01 min
Lab File: BF111357.D
Acq: 13 Dec 2018 8:27

Tgt Ion: 82	Resp: 1192118
Ion Ratio	Lower Upper
82 100	
128 44.5	37.4 56.2
54 56.9	47.6 71.4



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





#25

Isophorone

Concen: 49.731 ng

RT: 7.35 min Scan# 895

Delta R.T. -0.27 min

Lab File: BF111357.D

Acq: 13 Dec 2018 8:27

Instrument :

BNA_F

ClientSampleId :

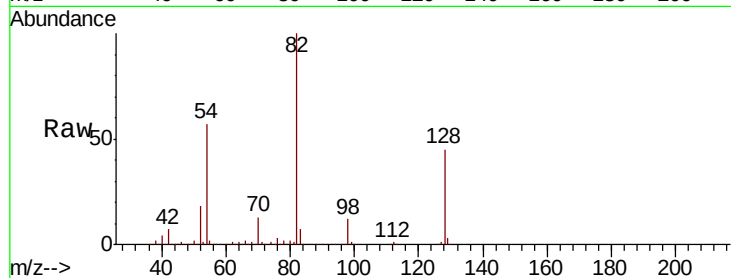
Tot Ion: 82 Resp: 1177562

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

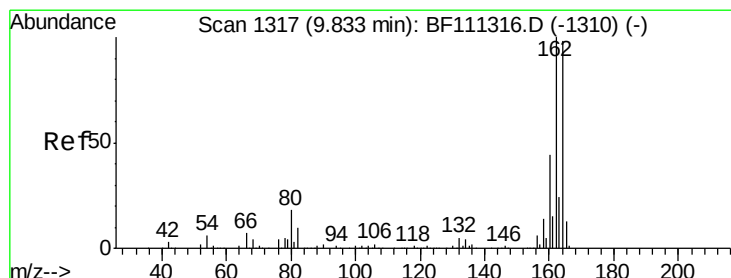
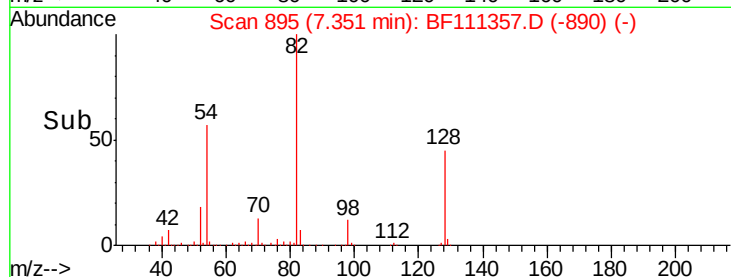
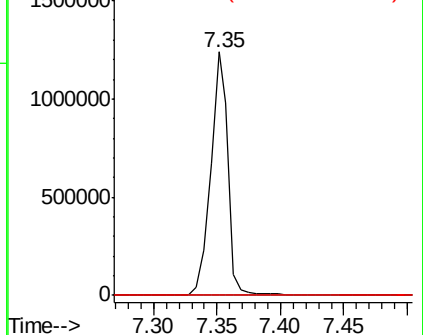
138 0.0 15.1 22.7#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BF111357.D

Acq: 13 Dec 2018 8:27

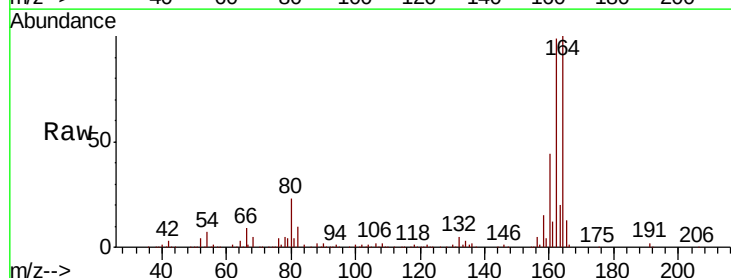
Tgt Ion:164 Resp: 320112

Ion Ratio Lower Upper

164 100

162 99.2 81.4 122.0

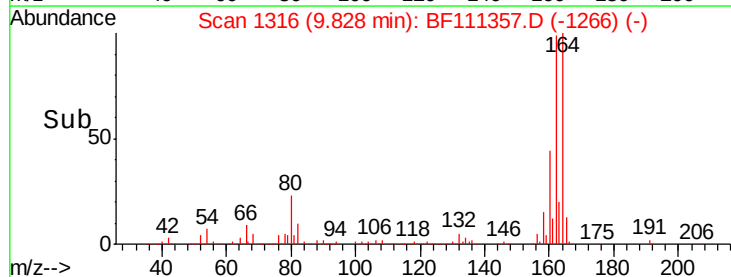
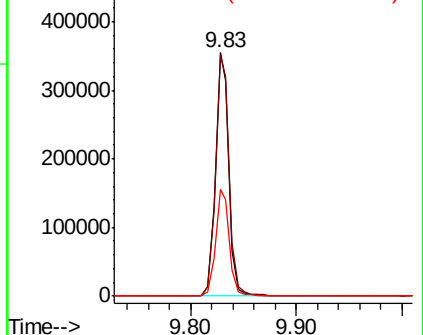
160 43.6 35.7 53.5

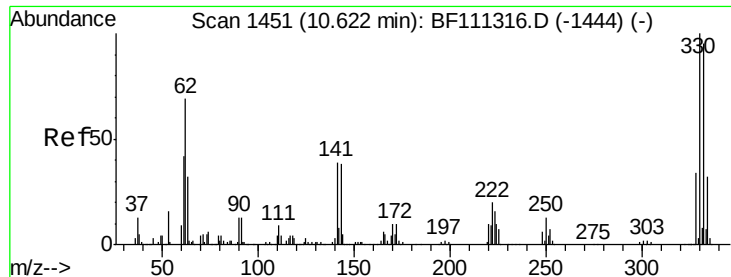


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

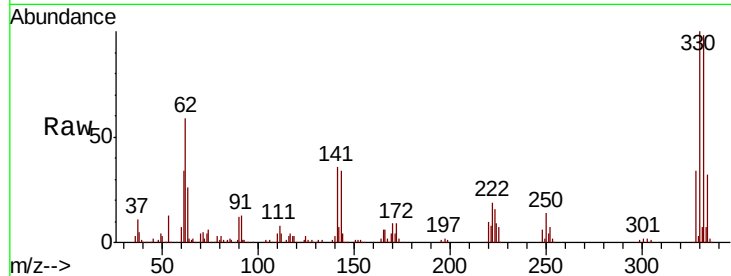




#42
 2,4,6-Tribromophenol
 Concen: 70.818 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.01 min
 Lab File: BF111357.D
 Acq: 13 Dec 2018 8:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.4	76.0	114.0
141	37.6	31.0	46.6

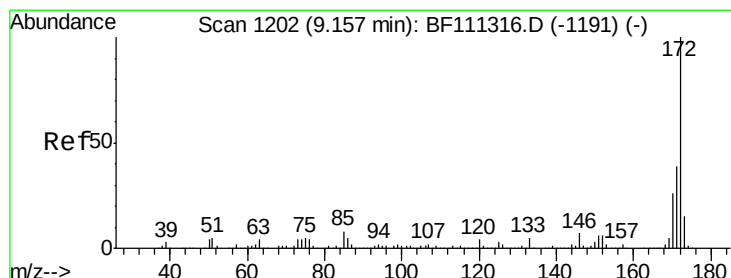
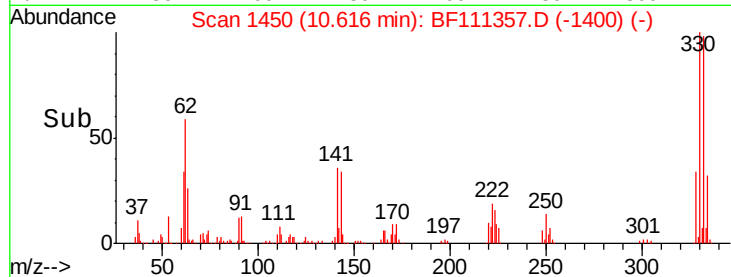
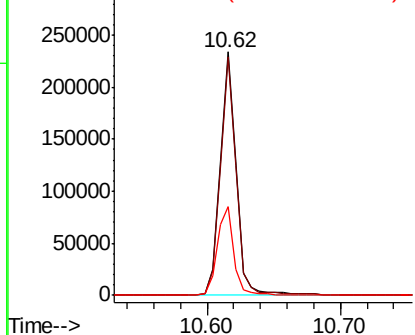


Abundance

Ion 329.80 (329.50 to 330.50): E

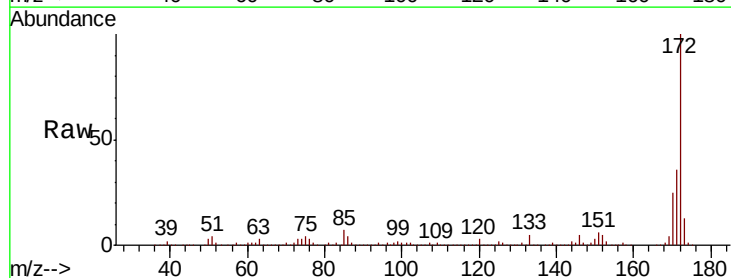
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 102.836 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.00 min
 Lab File: BF111357.D
 Acq: 13 Dec 2018 8:27

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	33.0	49.4
170	24.6	22.3	33.5

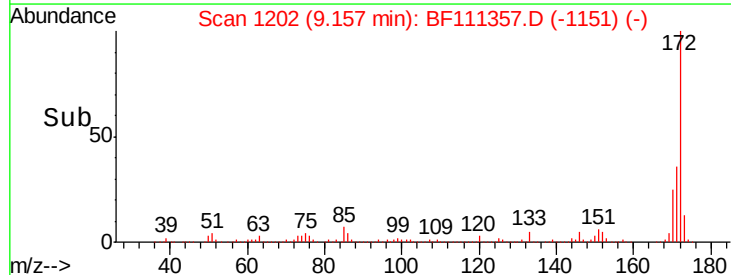
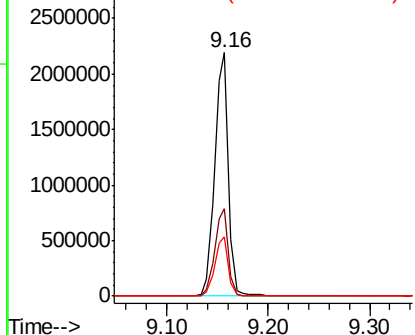


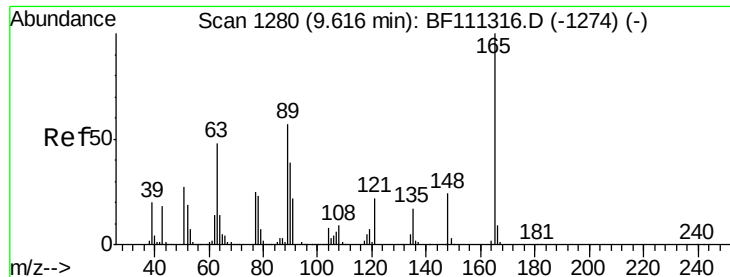
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

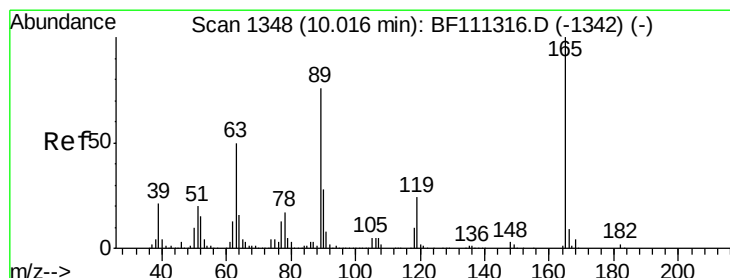
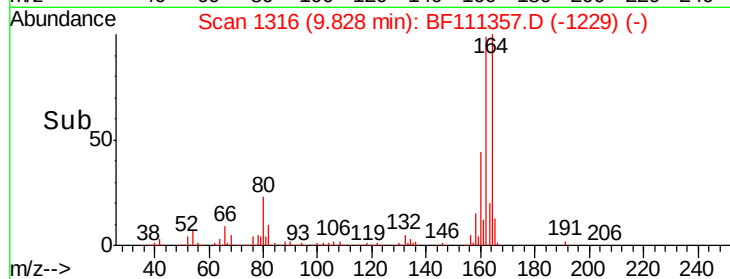
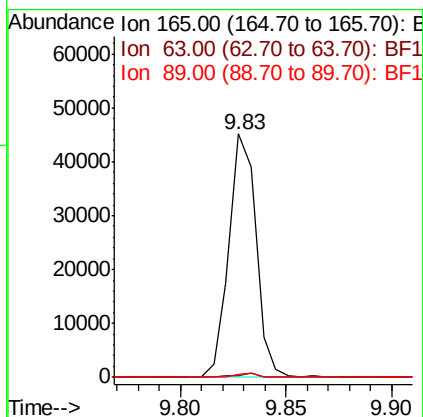
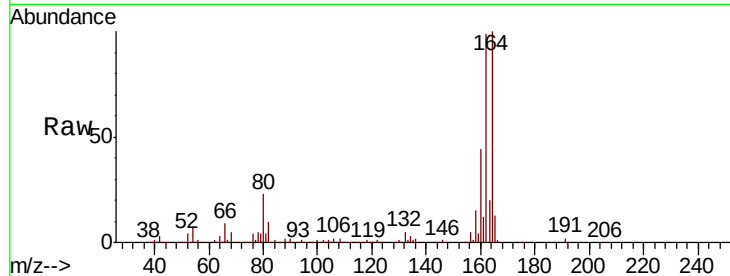




#51
 2,6-Dinitrotoluene
 Concen: 7.869 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. 0.21 min
 Lab File: BF111357.D
 Acq: 13 Dec 2018 8:27

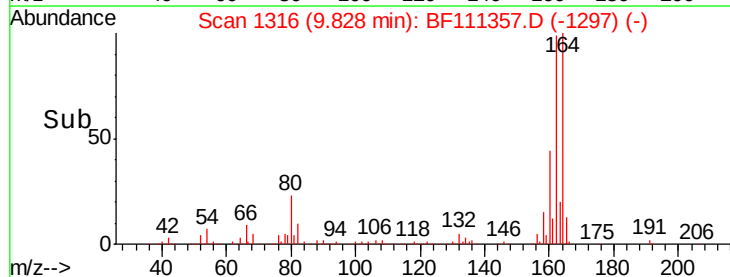
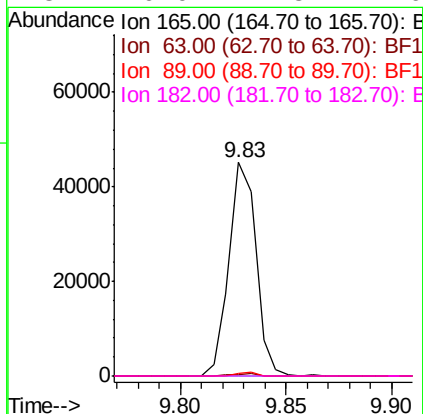
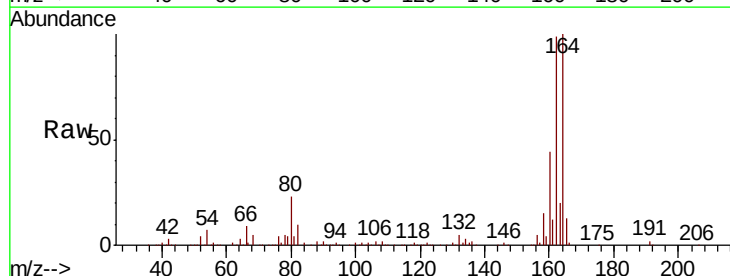
Instrument :
 BNA_F
 ClientSampleId :

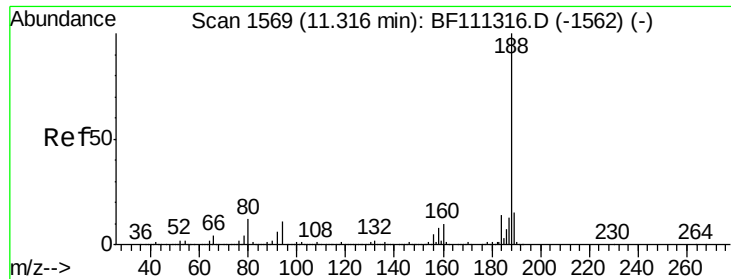
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.7	40.5	60.7#
89	1.1	40.0	60.0#



#57
 2,4-Dinitrotoluene
 Concen: 6.140 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.19 min
 Lab File: BF111357.D
 Acq: 13 Dec 2018 8:27

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.7	34.6	52.0#
89	1.1	56.2	84.4#
182	0.0	1.8	2.6#

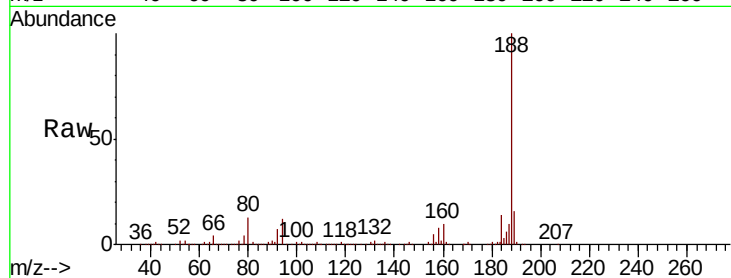




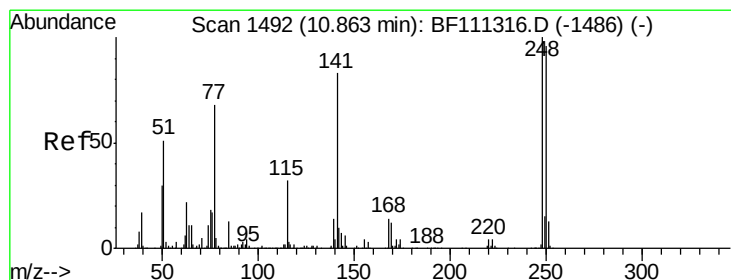
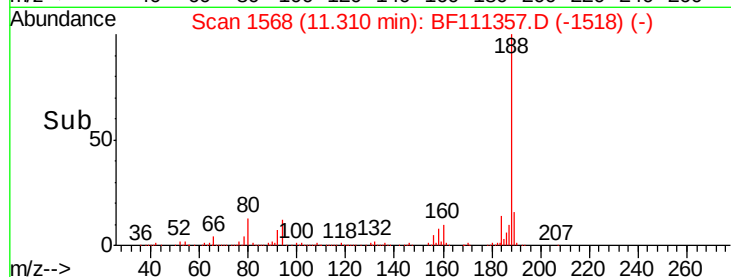
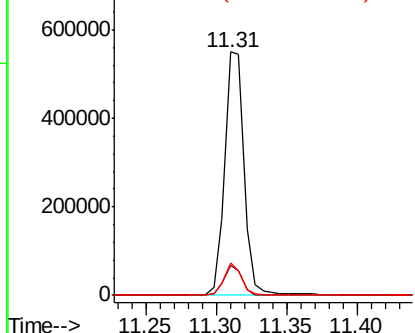
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF111357.D
Acq: 13 Dec 2018 8:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 528864
Ion Ratio Lower Upper
188 100
94 12.3 9.6 14.4
80 13.2 9.8 14.6

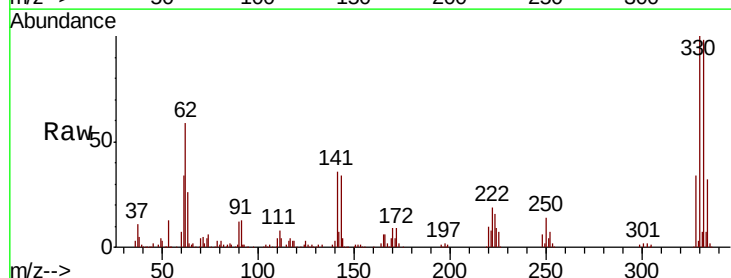


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

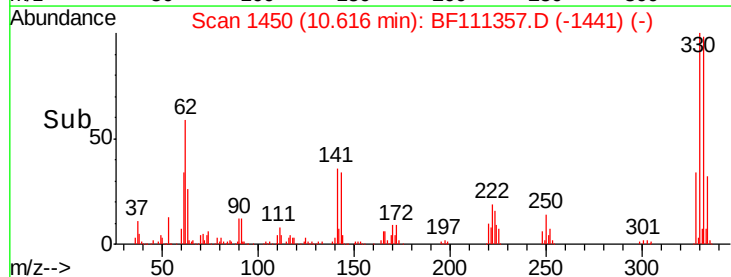
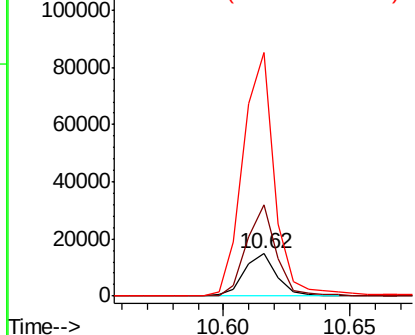


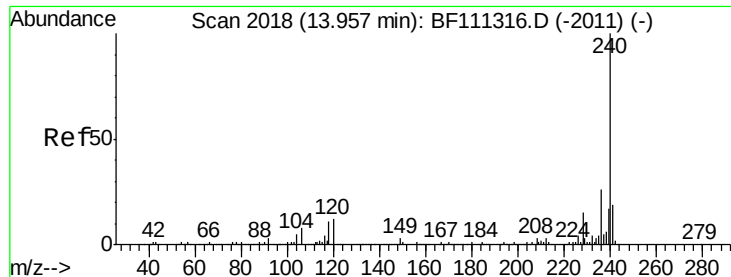
#67
4-Bromophenyl-phenylether
Concen: 2.235 ng
RT: 10.62 min Scan# 1450
Delta R.T. -0.25 min
Lab File: BF111357.D
Acq: 13 Dec 2018 8:27

Tgt Ion:248 Resp: 13161
Ion Ratio Lower Upper
248 100
250 216.9 77.0 115.4#
141 578.9 63.0 94.6#



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.95 min Scan# 2017

Delta R.T. -0.01 min

Lab File: BF111357.D

Acq: 13 Dec 2018 8:27

Instrument :

BNA_F

ClientSampleId :

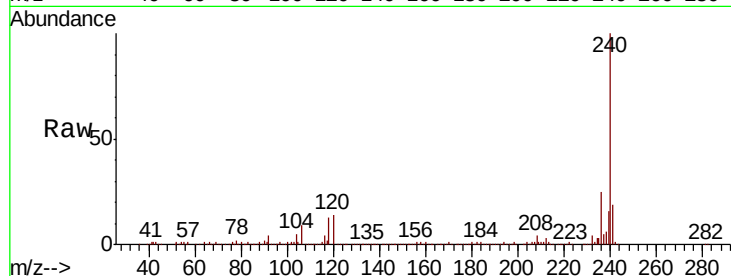
Tot Ion:240 Resp: 371079

Ion Ratio Lower Upper

240 100

120 14.5 12.2 18.2

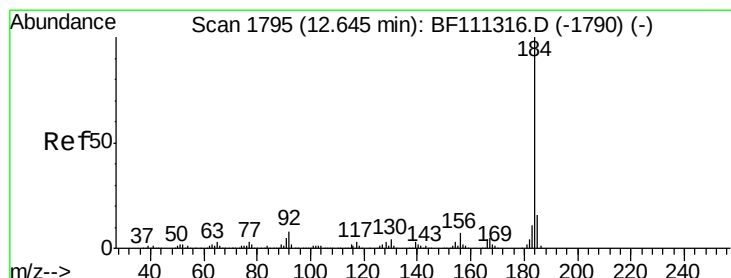
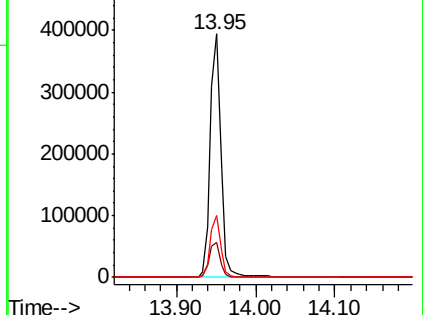
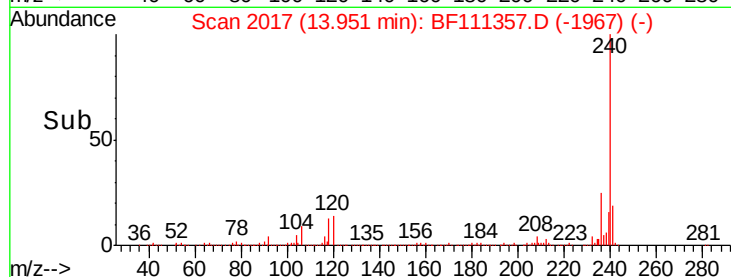
236 25.2 20.2 30.2



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



#77

Benzidine

Concen: 2.547 ng

RT: 12.90 min Scan# 1838

Delta R.T. 0.25 min

Lab File: BF111357.D

Acq: 13 Dec 2018 8:27

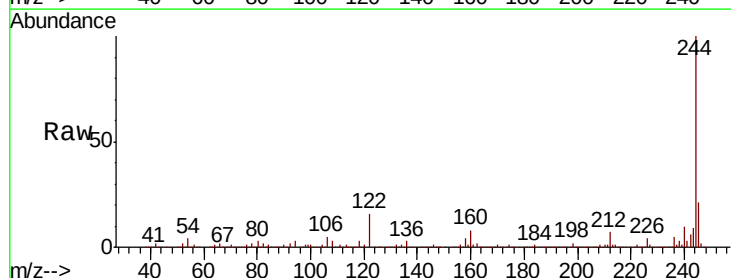
Tgt Ion:184 Resp: 17836

Ion Ratio Lower Upper

184 100

185 18.1 13.0 19.6

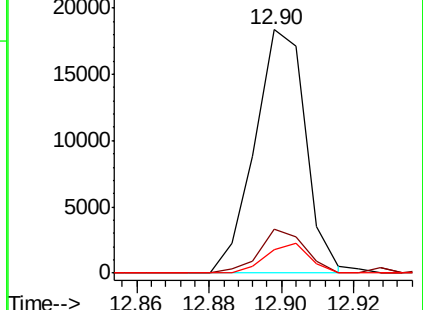
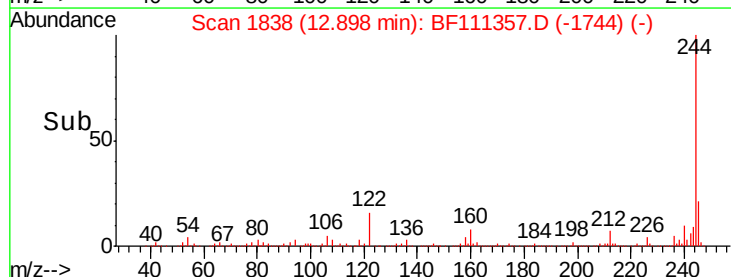
183 9.5 9.3 13.9

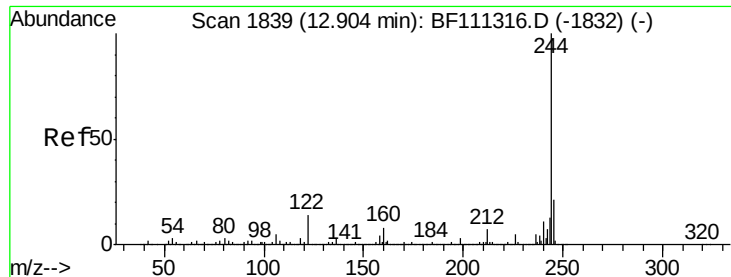


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 91.820 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.00 min

Lab File: BF111357.D

Acq: 13 Dec 2018 8:27

Instrument :

BNA_F

ClientSampleId :

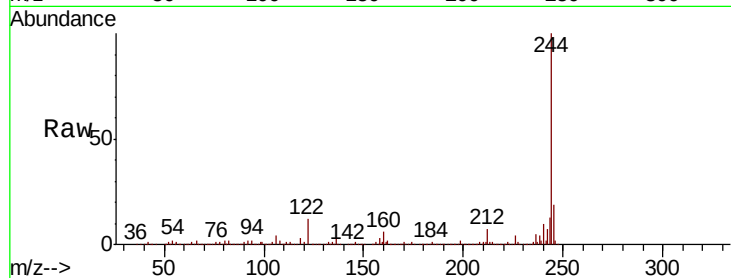
Tot Ion:244 Resp: 1548092

Ion Ratio Lower Upper

244 100

212 6.5 5.7 8.5

122 12.5 13.1 19.7#

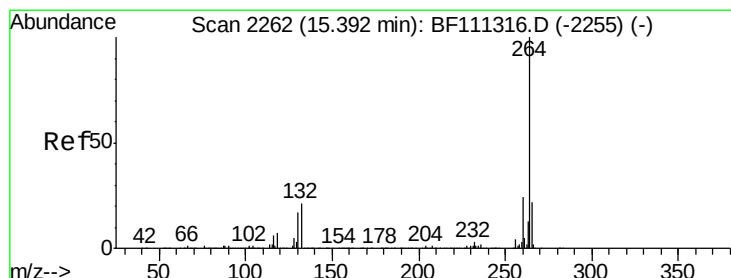
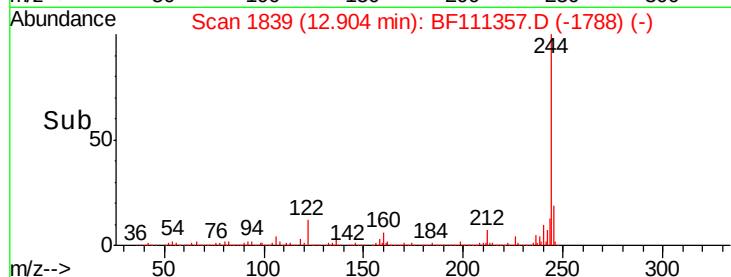
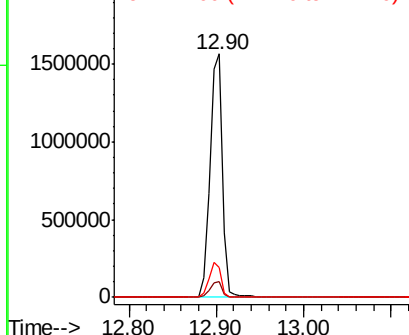


Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.39 min Scan# 2262

Delta R.T. -0.00 min

Lab File: BF111357.D

Acq: 13 Dec 2018 8:27

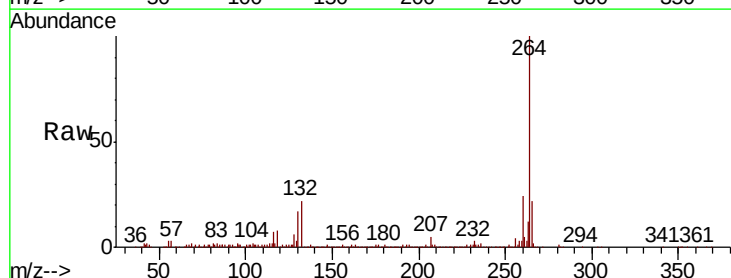
Tgt Ion:264 Resp: 288936

Ion Ratio Lower Upper

264 100

260 23.7 18.3 27.5

265 21.7 17.7 26.5



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

