

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121819\
 Data File : BF118256.D
 Acq On : 18 Dec 2019 13:56
 Operator : JU
 Sample : K6324-06
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 19 03:07:28 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 06 17:34:43 2019
 Response via : Initial Calibration

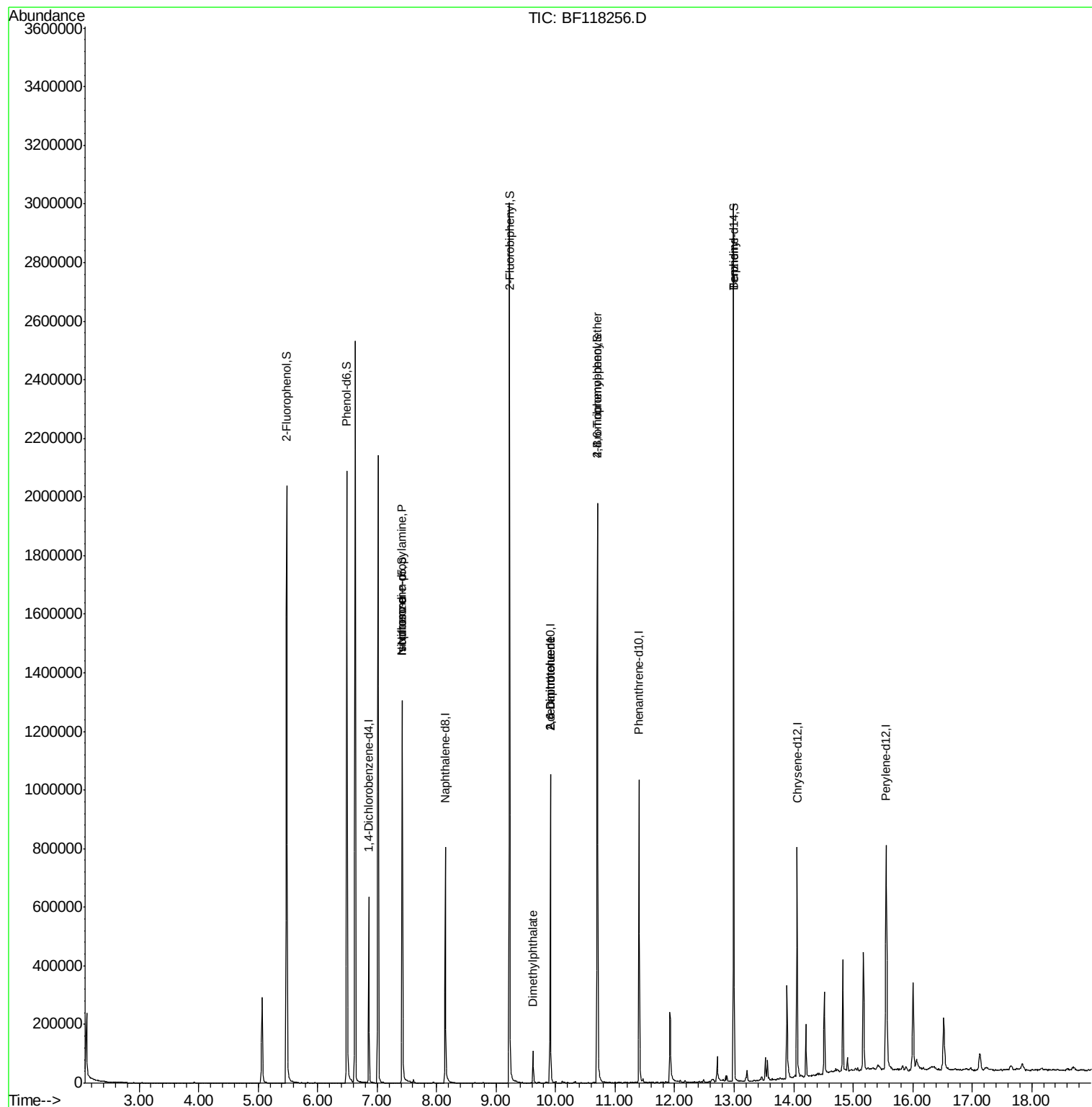
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	102467	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	399226	20.00	ng	-0.01
39) Acenaphthene-d10	9.91	164	210580	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	395614	20.00	ng	0.00
76) Chrysene-d12	14.06	240	251815	20.00	ng	-0.01
87) Perylene-d12	15.55	264	237677	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	590781	100.98	ng	0.00
7) Phenol-d6	6.49	99	744904	105.27	ng	0.00
23) Nitrobenzene-d5	7.42	82	448884	63.26	ng	-0.02
42) 2,4,6-Tribromophenol	10.70	330	242429	94.77	ng	-0.01
45) 2-Fluorobiphenyl	9.23	172	939728	67.90	ng	-0.01
79) Terphenyl-d14	12.99	244	1033375	70.57	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.49	77	1018	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	7.42	70	61568	14.319 ng	#	1
25) Isophorone	7.42	82	448881	37.314 ng	#	75
50) Dimethylphthalate	9.62	163	48571	3.123 ng	#	62
51) 2,6-Dinitrotoluene	9.91	165	26760	7.912 ng	#	98
57) 2,4-Dinitrotoluene	9.91	165	26760	5.928 ng	#	27
67) 4-Bromophenyl-phenylether	10.70	248	15078	3.339 ng	#	25
77) Benzidine	12.99	184	14536	2.193 ng	#	1
					#	92

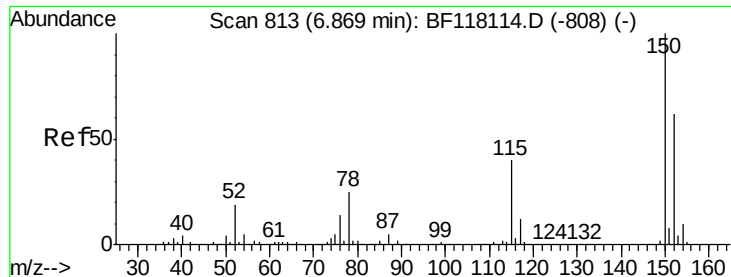
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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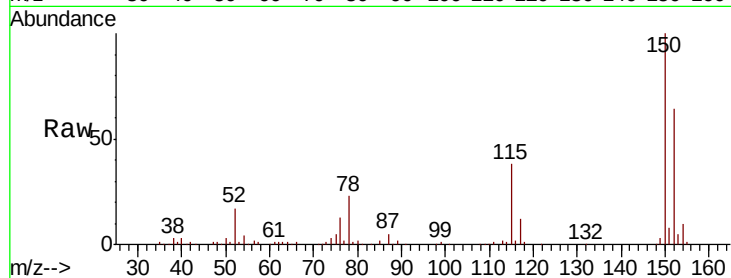


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF118256.D
Acq: 18 Dec 2019 13:56

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	128.3	192.5
115	59.7	51.1	76.7

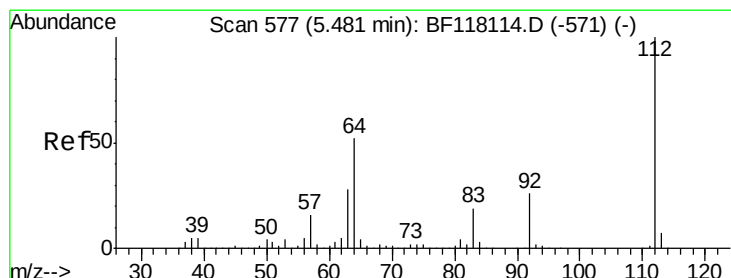
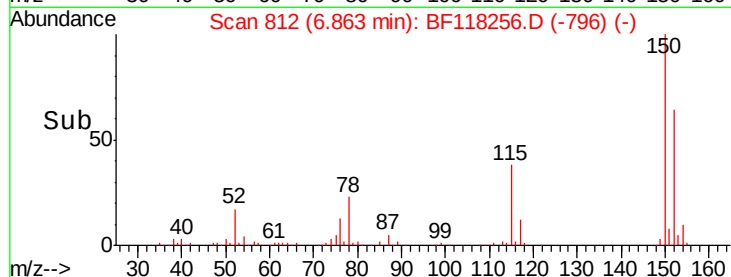
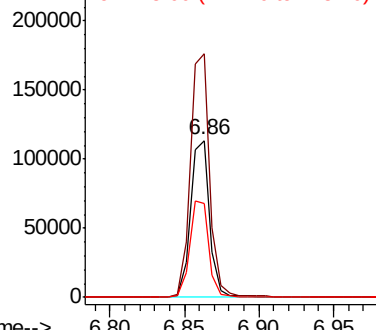


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

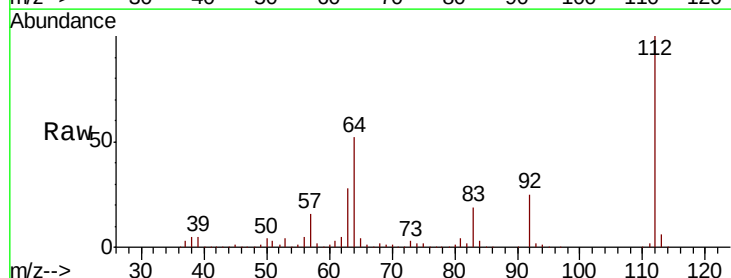
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 100.982 ng
RT: 5.48 min Scan# 577
Delta R.T. -0.00 min
Lab File: BF118256.D
Acq: 18 Dec 2019 13:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.6	41.3	61.9
63	27.8	22.4	33.6

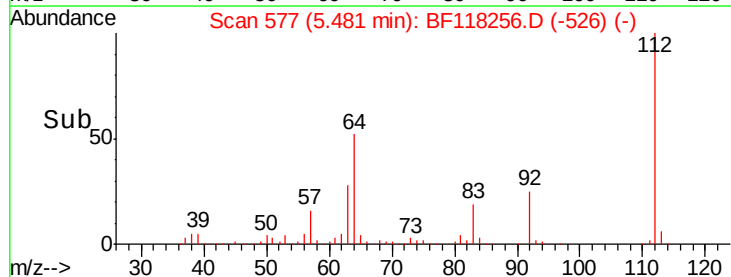
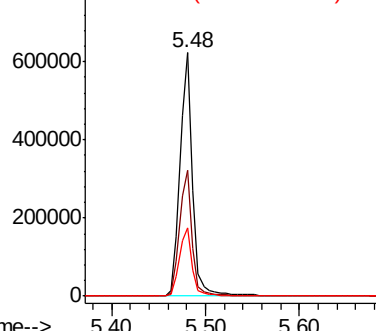


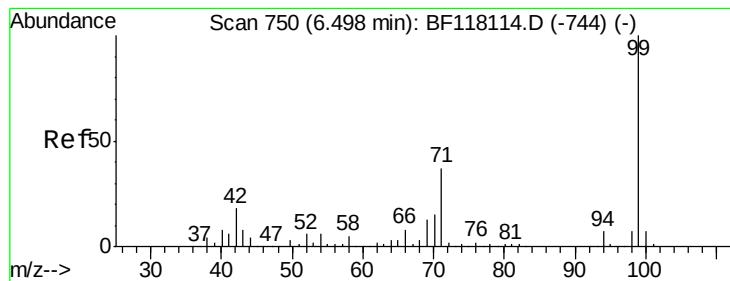
Abundance

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: 105.269 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF118256.D

Acq: 18 Dec 2019 13:56

Instrument :

BNA_F

ClientSampleId :

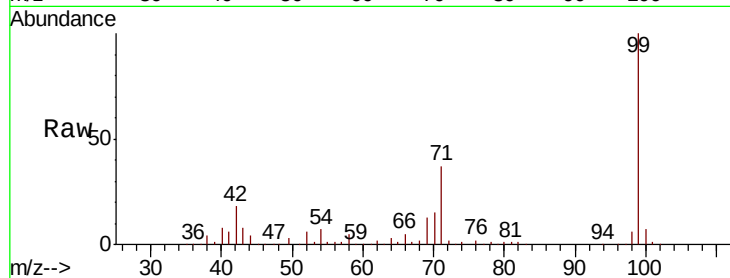
Tot Ion: 99 Resp: 744904

Ion Ratio Lower Upper

99 100

42 17.9 14.1 21.1

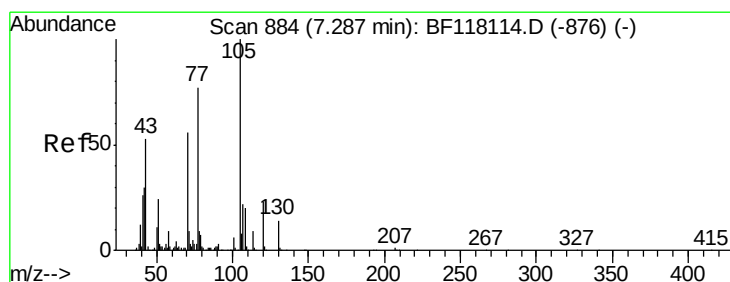
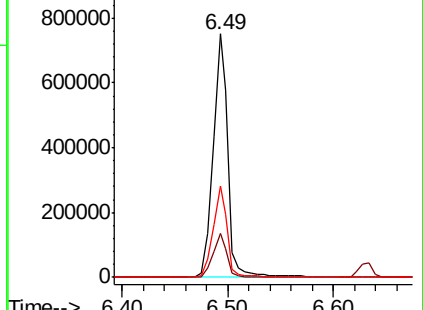
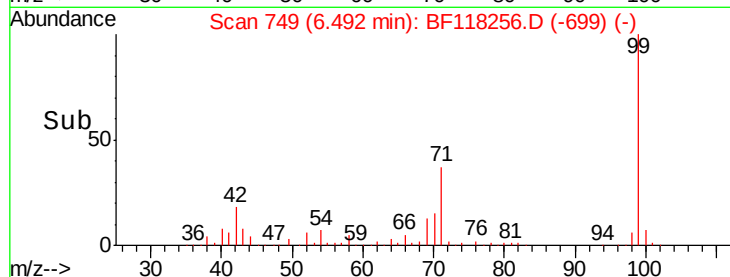
71 37.3 29.7 44.5



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



#19

n-Nitroso-di-n-propylamine

Concen: 14.319 ng

RT: 7.42 min Scan# 907

Delta R.T. 0.14 min

Lab File: BF118256.D

Acq: 18 Dec 2019 13:56

Tgt Ion: 70 Resp: 61568

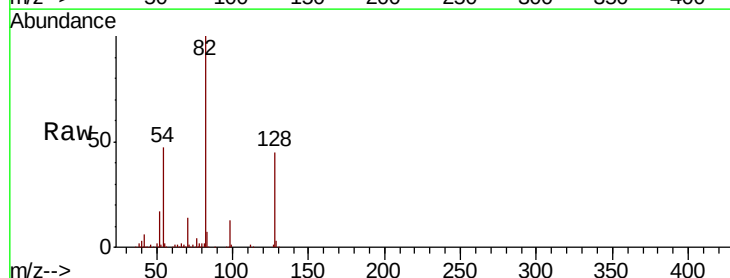
Ion Ratio Lower Upper

70 100

42 43.6 43.2 64.8

101 0.0 8.1 12.1#

130 1.5 19.8 29.8#

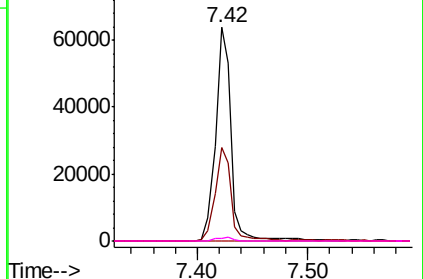
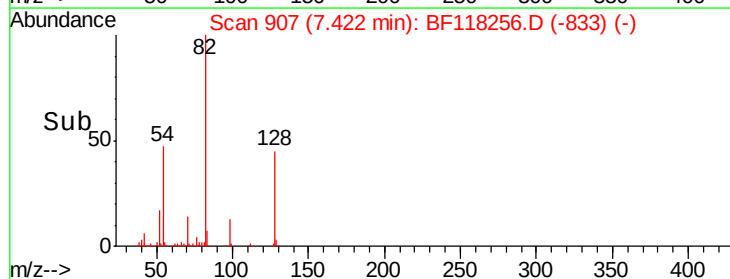


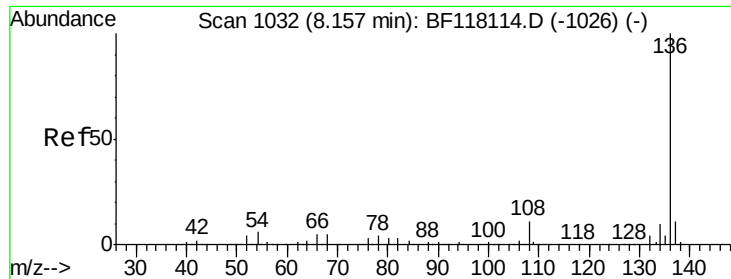
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

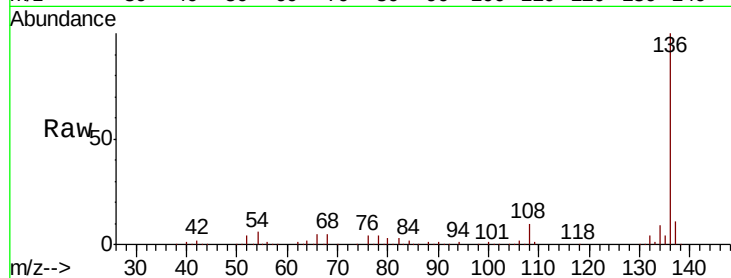




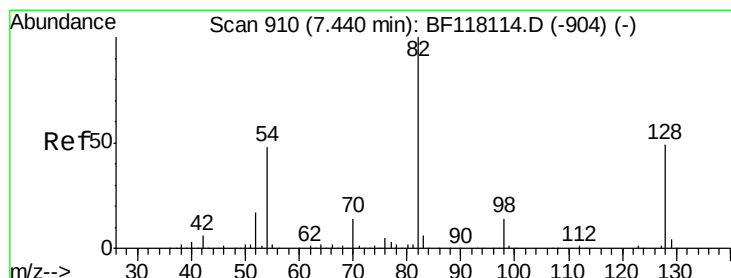
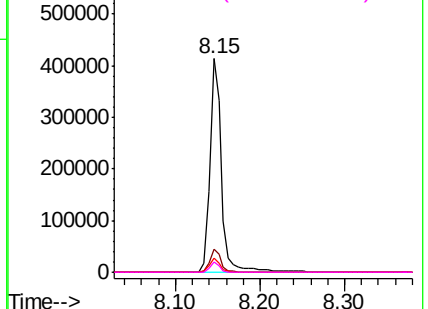
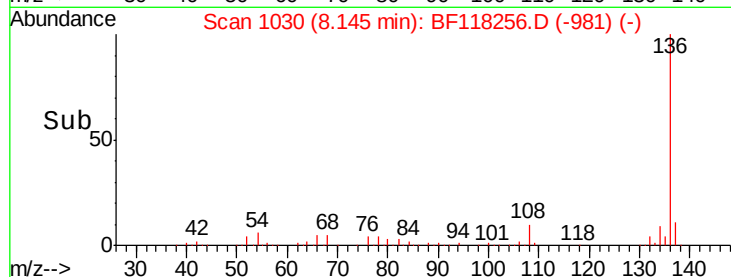
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF118256.D
Acq: 18 Dec 2019 13:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	399226
Ion	Ratio	Lower Upper
136	100	
137	11.0	9.0 13.6
54	6.3	5.0 7.6
68	4.7	3.8 5.8

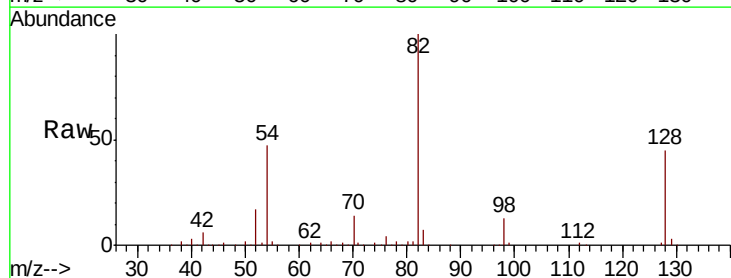


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

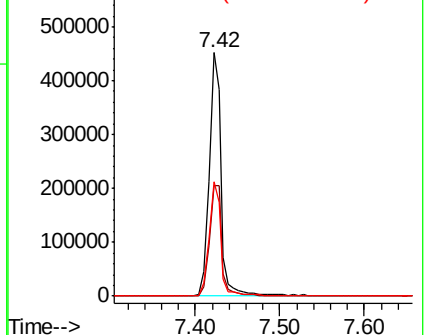
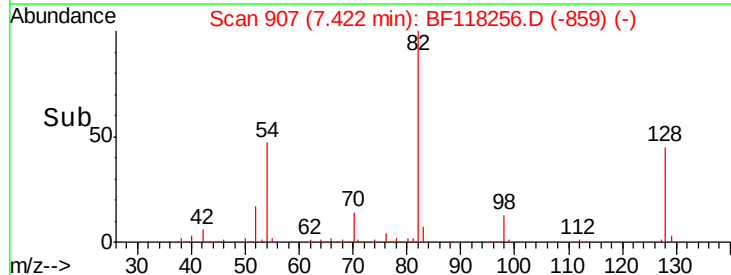


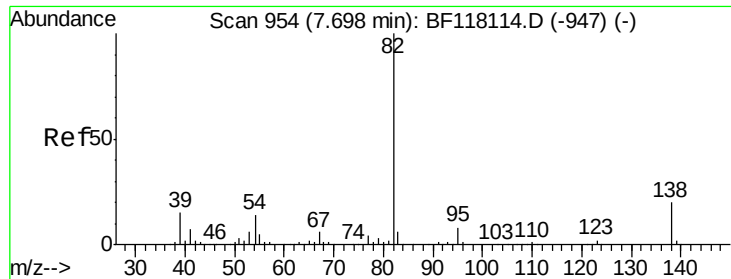
#23
Nitrobenzene-d5
Concen: 63.255 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.02 min
Lab File: BF118256.D
Acq: 18 Dec 2019 13:56

Tgt Ion: 82	Resp:	448884
Ion	Ratio	Lower Upper
82	100	
128	45.5	39.1 58.7
54	47.2	38.2 57.2



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: 37.314 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.28 min

Lab File: BF118256.D

Acq: 18 Dec 2019 13:56

Instrument :

BNA_F

ClientSampled :

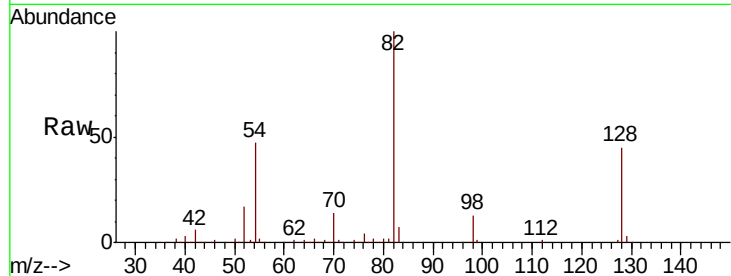
Tot Ion: 82 Resp: 448881

Ion Ratio Lower Upper

82 100

95 0.0 6.3 9.5#

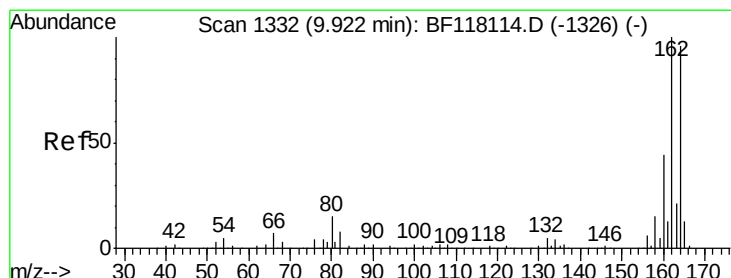
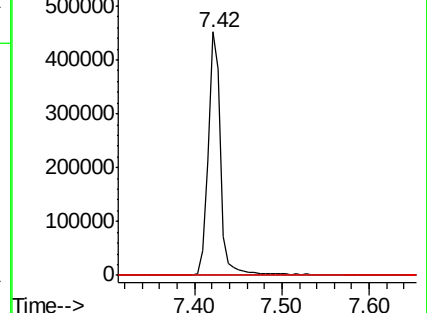
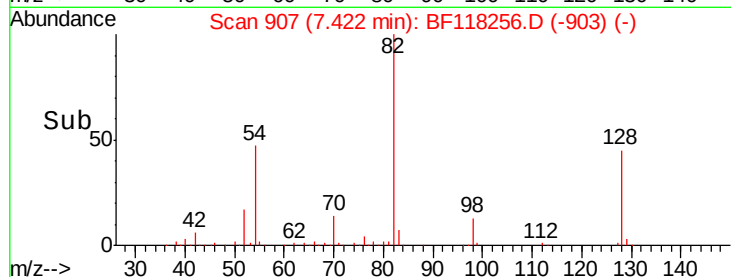
138 0.0 16.3 24.5#



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: 9.91 min Scan# 1330

Delta R.T. -0.01 min

Lab File: BF118256.D

Acq: 18 Dec 2019 13:56

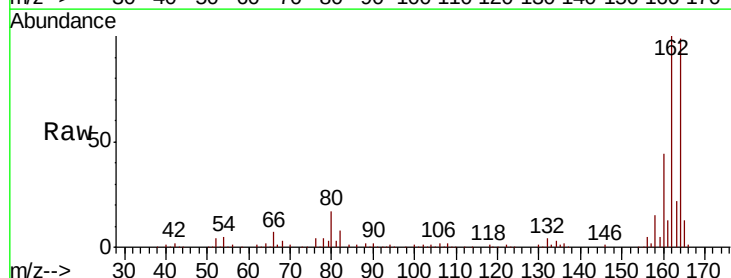
Tgt Ion: 164 Resp: 210580

Ion Ratio Lower Upper

164 100

162 101.0 83.4 125.0

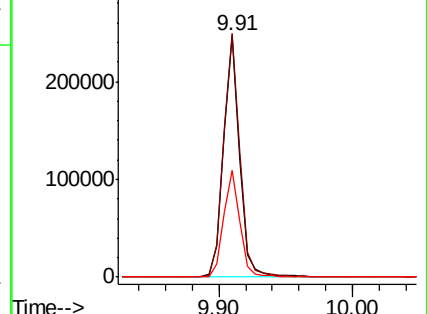
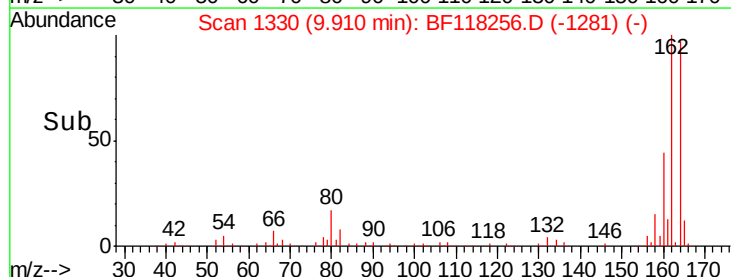
160 44.4 36.6 54.8

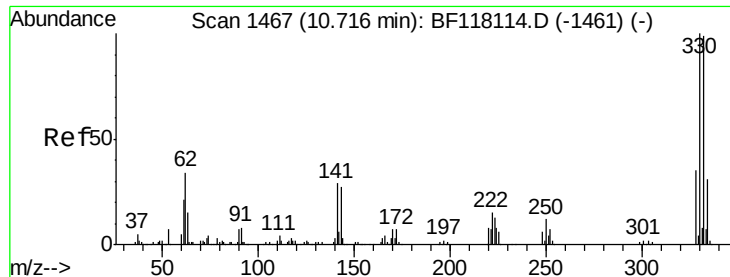


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 94.767 ng

RT: 10.70 min Scan# 1465

Delta R.T. -0.01 min

Lab File: BF118256.D

Acq: 18 Dec 2019 13:56

Instrument :

BNA_F

ClientSampleId :

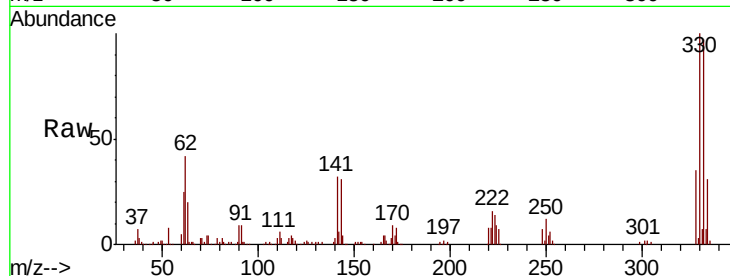
Tot Ion:330 Resp: 242429

Ion Ratio Lower Upper

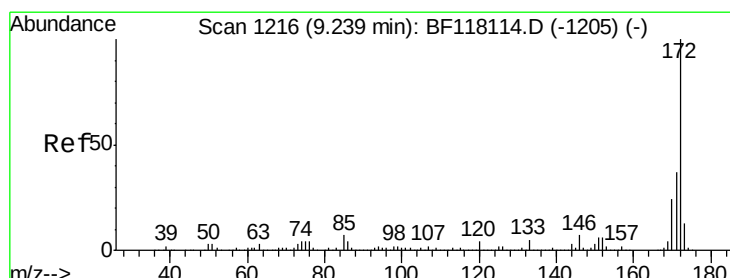
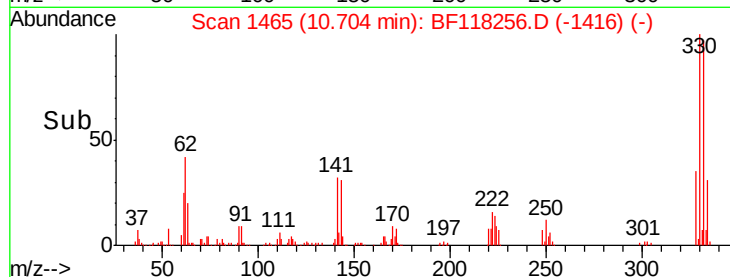
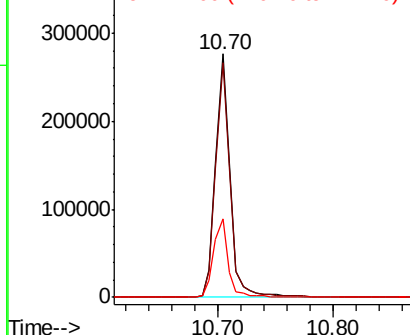
330 100

332 97.0 78.1 117.1

141 33.1 26.9 40.3



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: 67.904 ng

RT: 9.23 min Scan# 1214

Delta R.T. -0.01 min

Lab File: BF118256.D

Acq: 18 Dec 2019 13:56

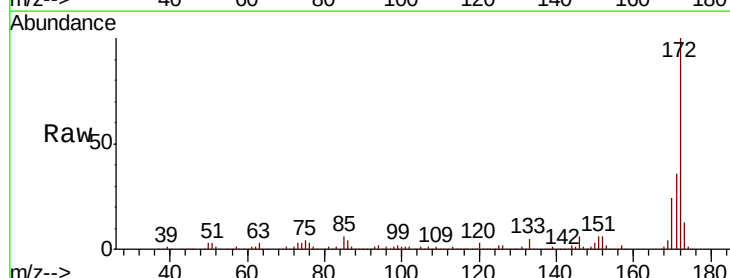
Tgt Ion:172 Resp: 939728

Ion Ratio Lower Upper

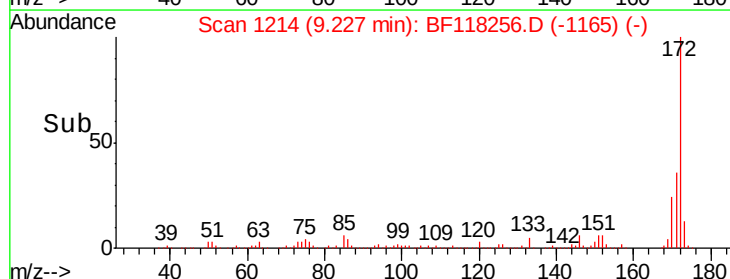
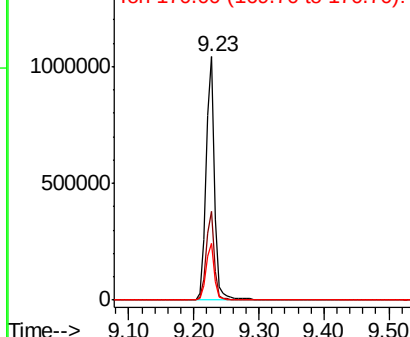
172 100

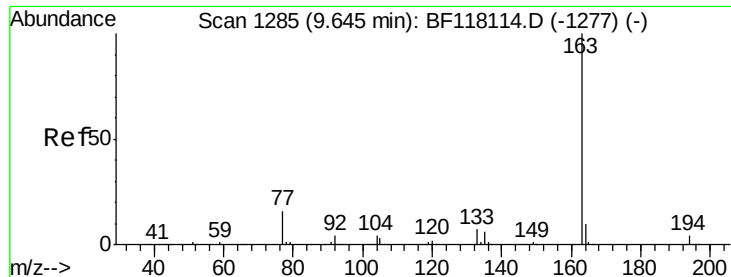
171 36.2 29.2 43.8

170 23.5 19.4 29.2



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: 3.123 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.02 min

Lab File: BF118256.D

Acq: 18 Dec 2019 13:56

Instrument :

BNA_F

ClientSampleId :

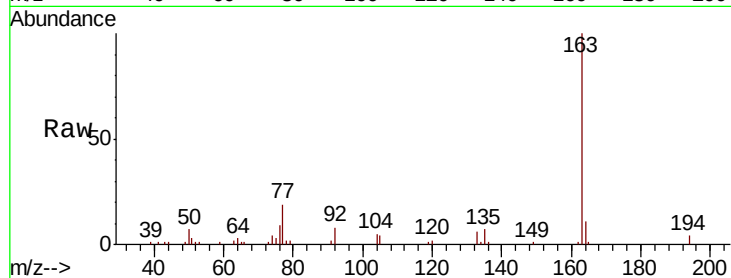
Tot Ion:163 Resp: 48571

Ion Ratio Lower Upper

163 100

194 4.1 3.1 4.7

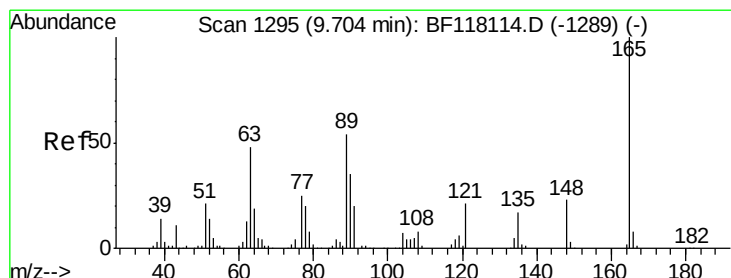
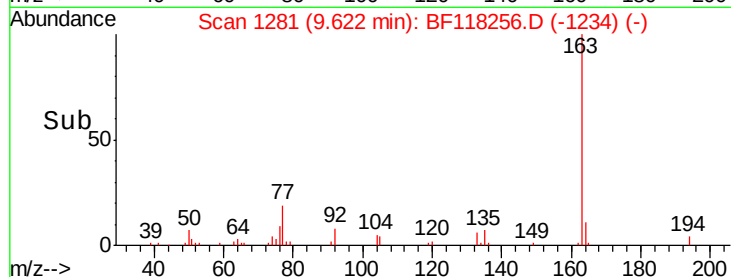
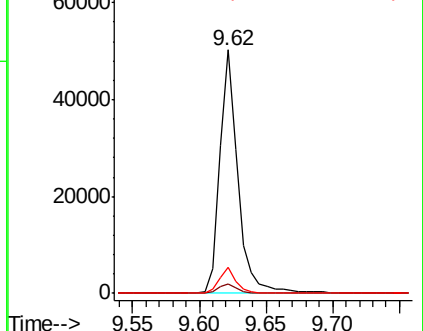
164 10.6 7.7 11.5



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: 7.912 ng

RT: 9.91 min Scan# 1330

Delta R.T. 0.21 min

Lab File: BF118256.D

Acq: 18 Dec 2019 13:56

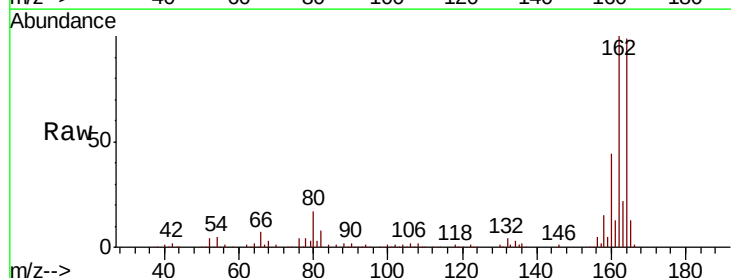
Tgt Ion:165 Resp: 26760

Ion Ratio Lower Upper

165 100

63 1.3 41.4 62.0#

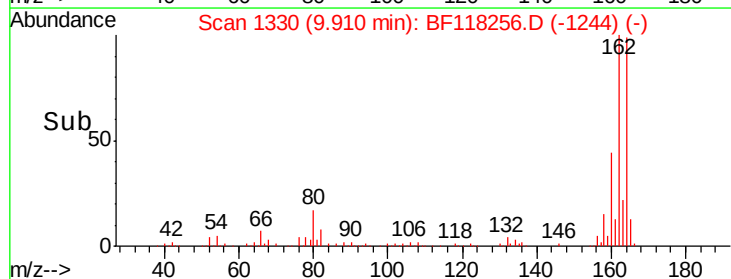
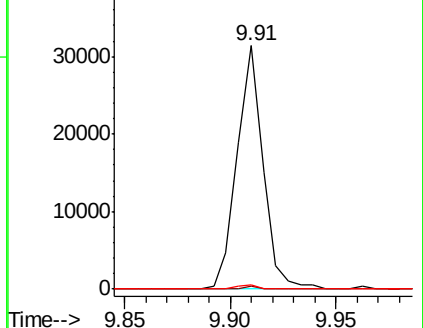
89 1.5 42.9 64.3#

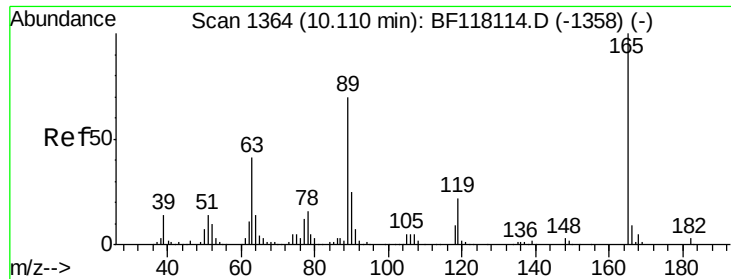


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

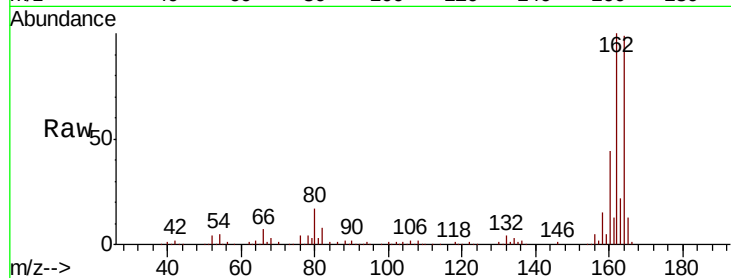




#57
2,4-Dinitrotoluene
Concen: 5.928 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.20 min
Lab File: BF118256.D
Acq: 18 Dec 2019 13:56

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	32.6	49.0#
89	1.5	56.1	84.1#
182	0.0	2.1	3.1#



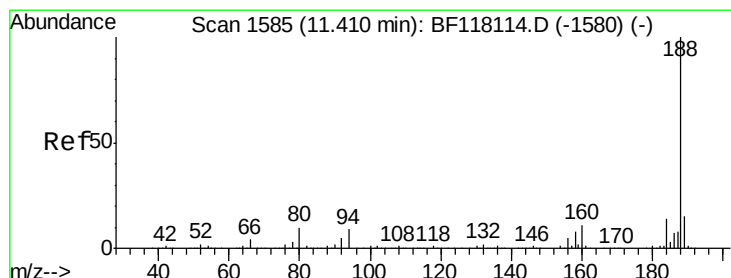
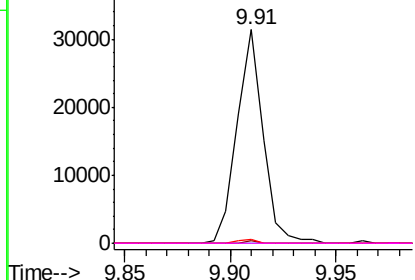
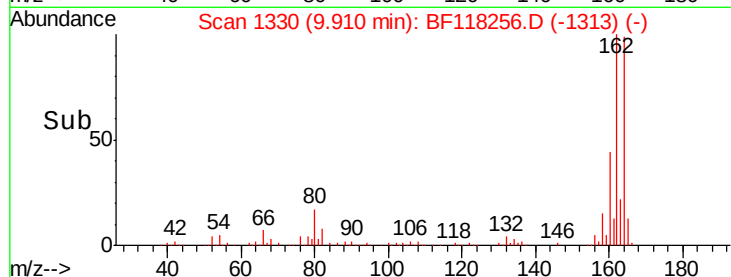
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

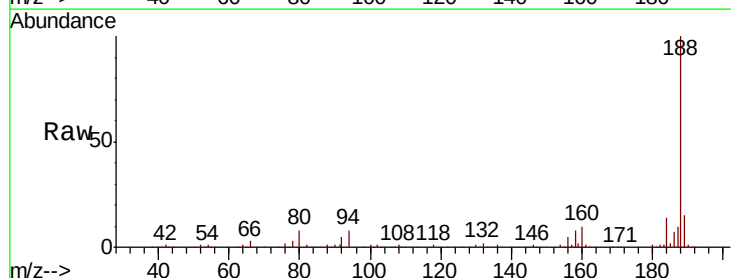
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF118256.D
Acq: 18 Dec 2019 13:56

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.0	7.1	10.7
80	8.3	7.9	11.9

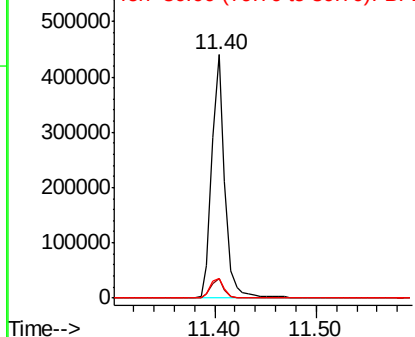
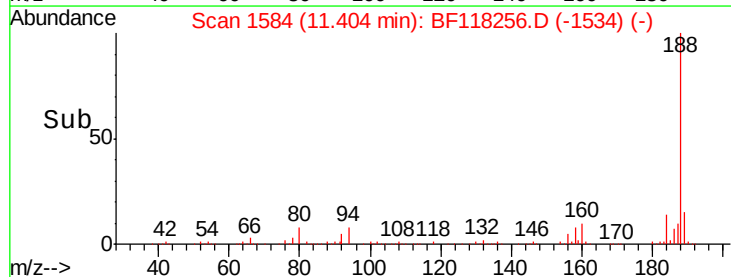


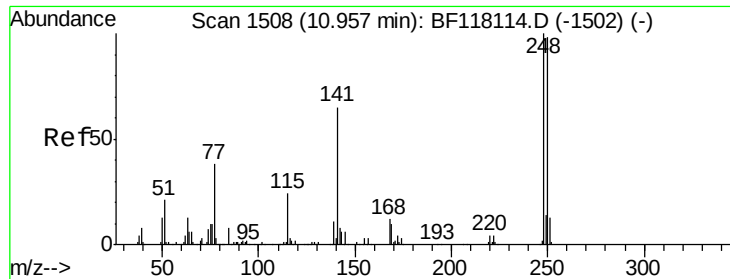
Abundance

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

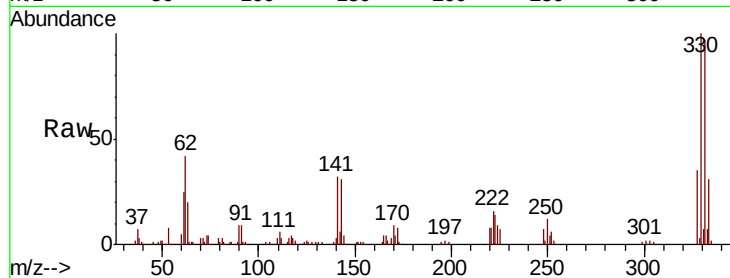




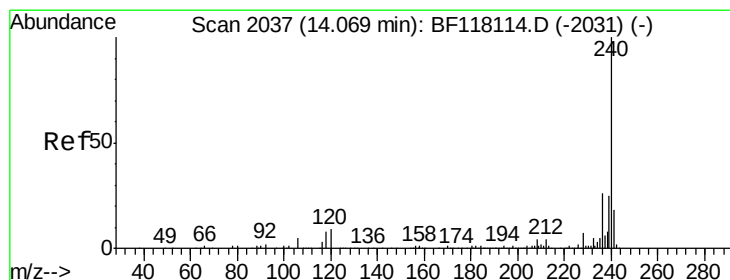
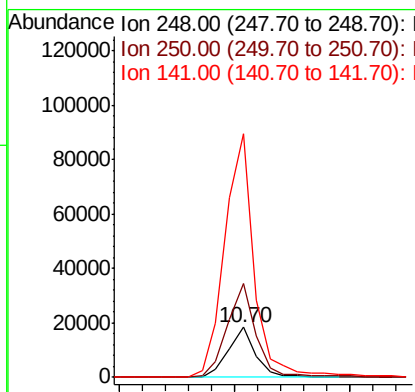
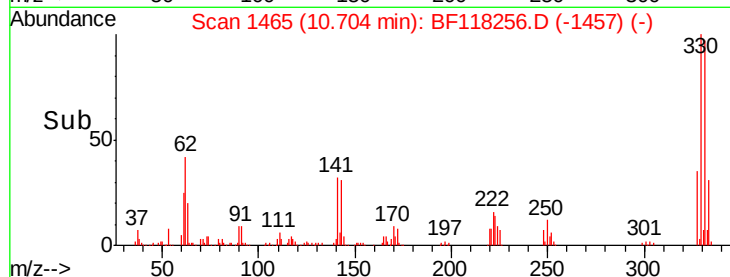
#67
4-Bromophenyl-phenylether
Concen: 3.339 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.25 min
Lab File: BF118256.D
Acq: 18 Dec 2019 13:56

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 15078
Ion Ratio Lower Upper
248 100
250 188.3 78.3 117.5#
141 488.9 52.2 78.4#

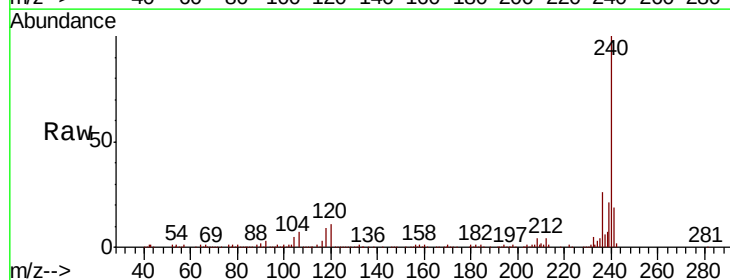


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

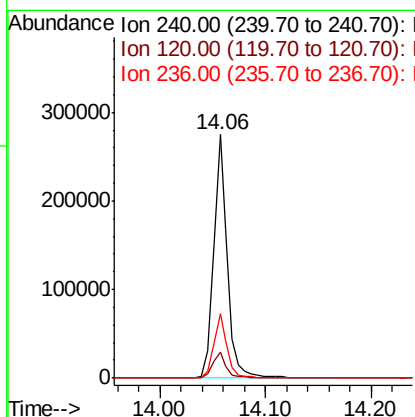
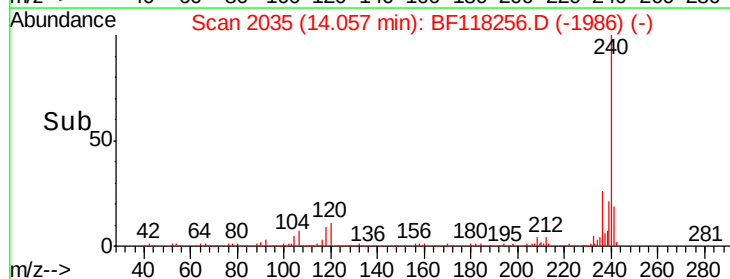


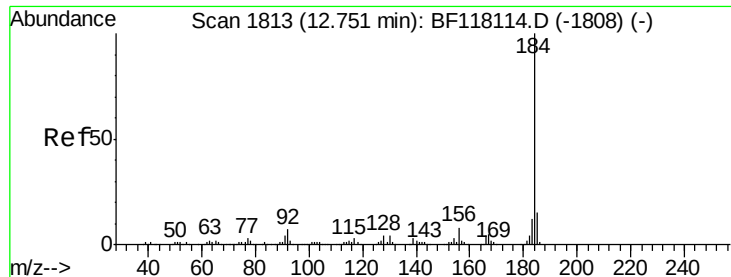
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BF118256.D
Acq: 18 Dec 2019 13:56

Tgt Ion:240 Resp: 251815
Ion Ratio Lower Upper
240 100
120 10.9 7.1 10.7#
236 26.2 21.0 31.6



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: 2.193 ng

RT: 12.99 min Scan# 1854

Delta R.T. 0.24 min

Lab File: BF118256.D

Acq: 18 Dec 2019 13:56

Instrument :

BNA_F

ClientSampleId :

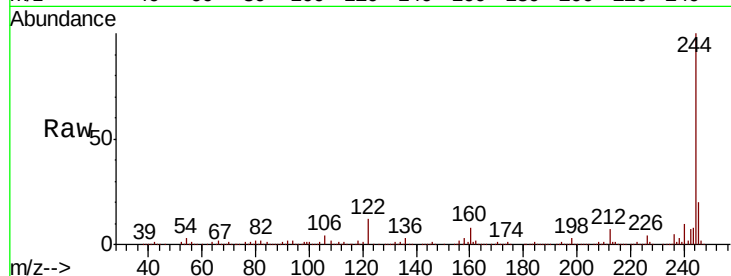
Tot Ion:184 Resp: 14536

Ion Ratio Lower Upper

184 100

185 15.3 12.3 18.5

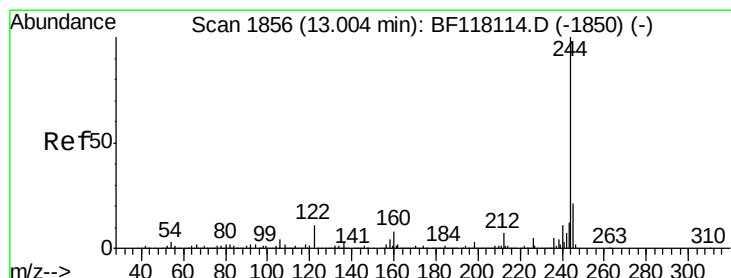
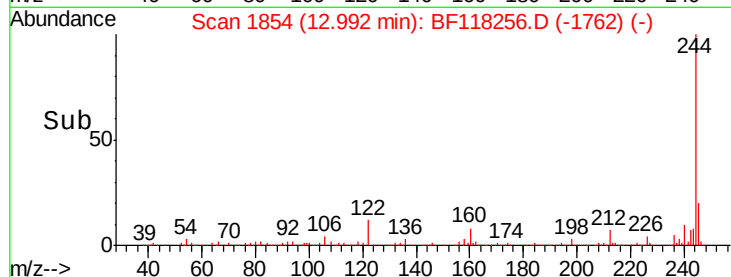
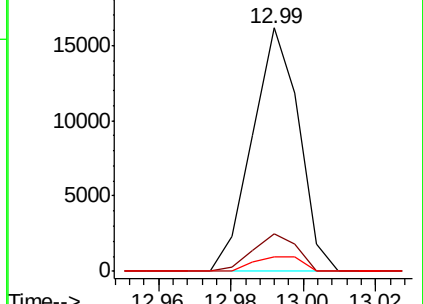
183 5.8 9.9 14.9#



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: 70.568 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF118256.D

Acq: 18 Dec 2019 13:56

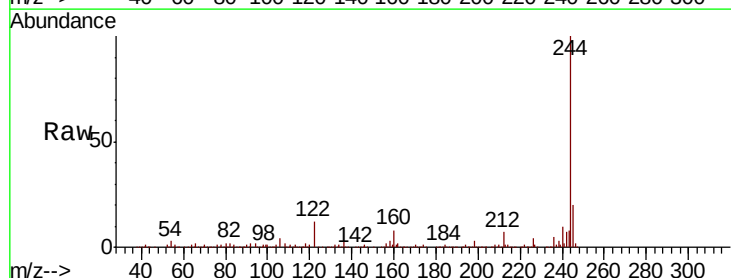
Tgt Ion:244 Resp: 1033375

Ion Ratio Lower Upper

244 100

212 7.1 5.9 8.9

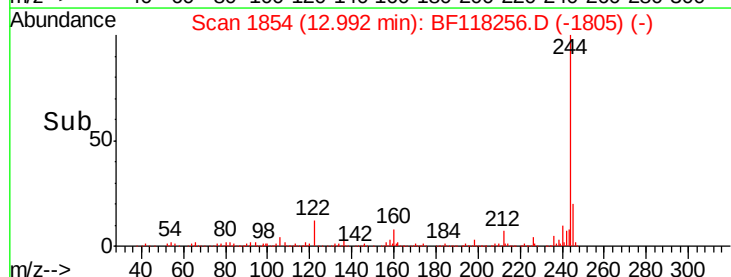
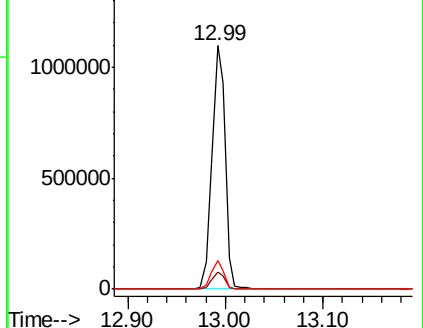
122 11.7 9.0 13.6

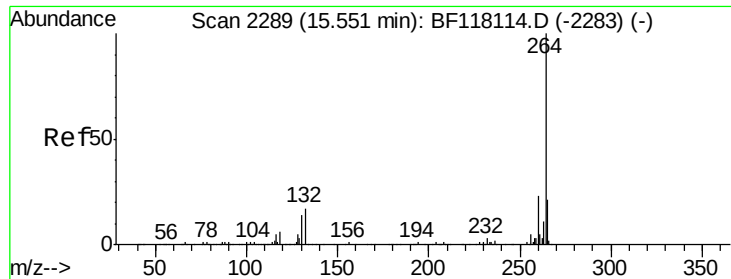


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.55 min Scan# 2289
 Delta R.T. -0.00 min
 Lab File: BF118256.D
 Acq: 18 Dec 2019 13:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.6	28.0
265	21.7	16.8	25.2

