

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121619\
 Data File : BF118207.D
 Acq On : 16 Dec 2019 20:15
 Operator : JU
 Sample : K6258-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 17 01:07:22 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

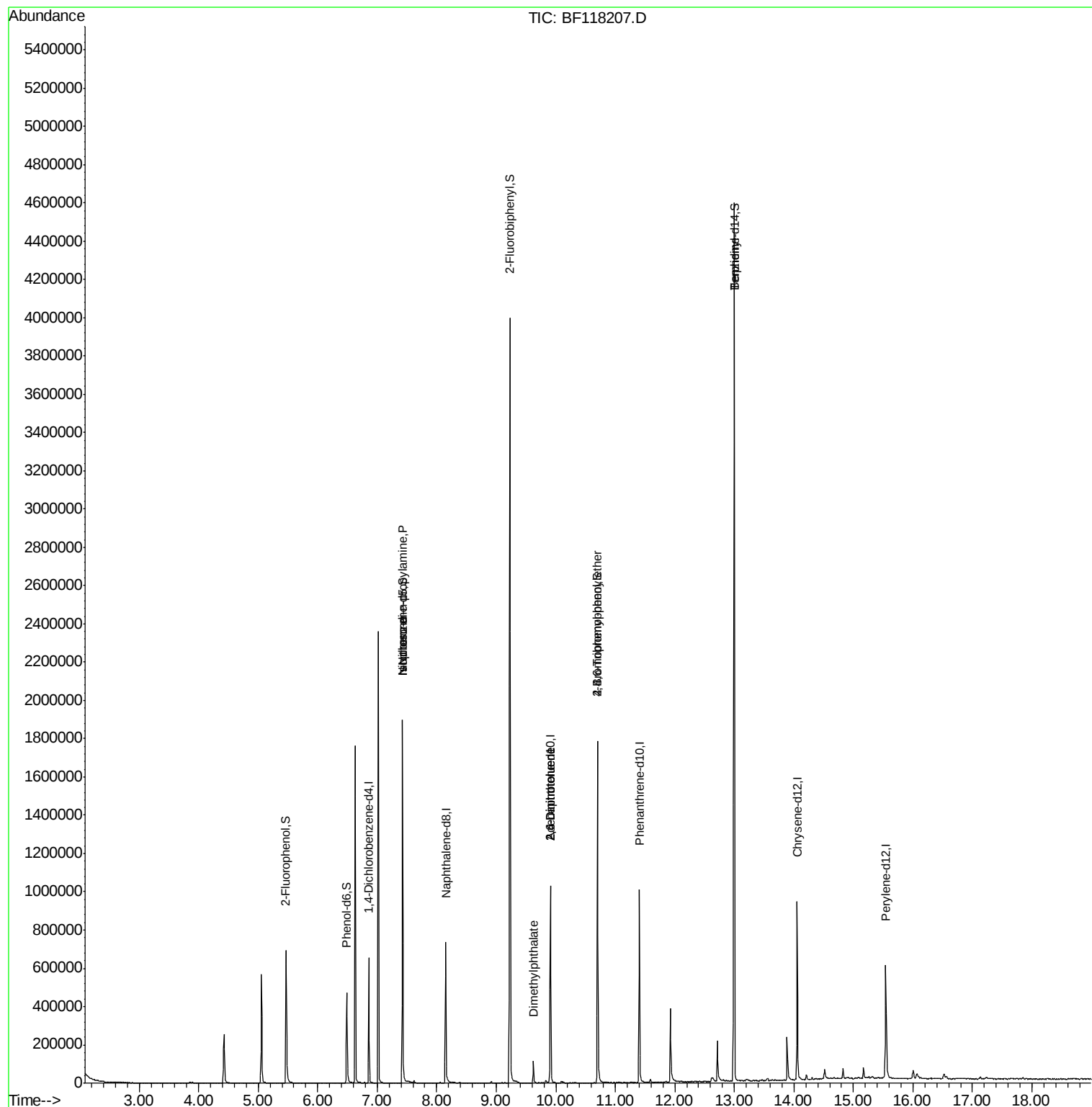
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	97342	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	367275	20.00	ng	0.00
39) Acenaphthene-d10	9.91	164	193705	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	371899	20.00	ng	0.00
76) Chrysene-d12	14.06	240	293395	20.00	ng	-0.01
87) Perylene-d12	15.54	264	285942	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	223042	40.13	ng	-0.01
7) Phenol-d6	6.49	99	175890	26.17	ng	-0.01
23) Nitrobenzene-d5	7.43	82	552934	84.70	ng	-0.01
42) 2,4,6-Tribromophenol	10.70	330	225308	95.75	ng	-0.01
45) 2-Fluorobiphenyl	9.23	172	1146103	90.03	ng	-0.01
79) Terphenyl-d14	13.00	244	1477892	86.62	ng	0.00
Target Compounds						
9) Benzaldehyde	6.63	77	10280	Below Cal		Qvalue # 75
19) n-Nitroso-di-n-propylamine	7.43	70	74286	18.186 ng	#	77
25) Isophorone	7.43	82	546430	49.374 ng	#	62
50) Dimethylphthalate	9.62	163	51666	3.611 ng		98
51) 2,6-Dinitrotoluene	9.91	165	25164	8.088 ng	#	28
57) 2,4-Dinitrotoluene	9.91	165	25164	6.060 ng	#	26
67) 4-Bromophenyl-phenylether	10.70	248	13637	3.212 ng	#	1
77) Benzidine	13.00	184	20544	2.660 ng	#	93

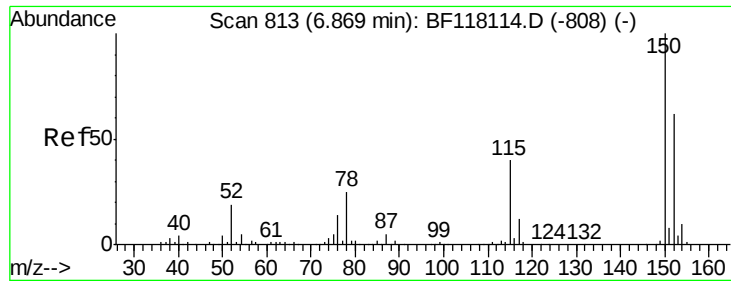
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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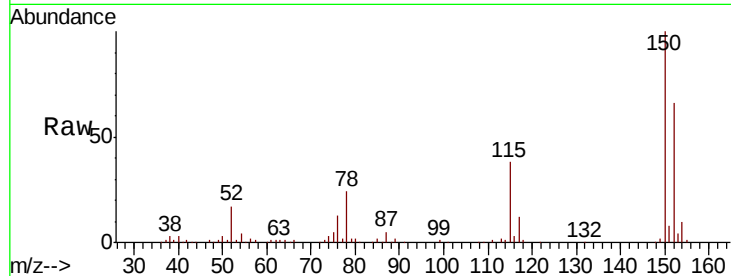


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF118207.D
Acq: 16 Dec 2019 20:15

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.1	128.3	192.5
115	57.1	51.1	76.7

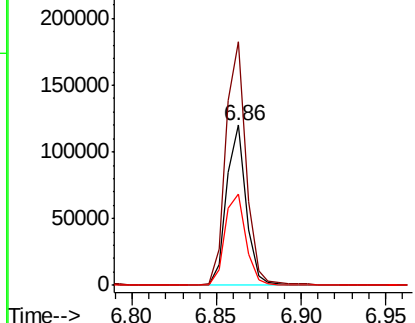
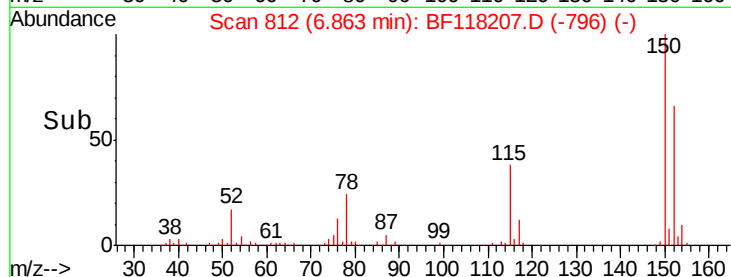


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

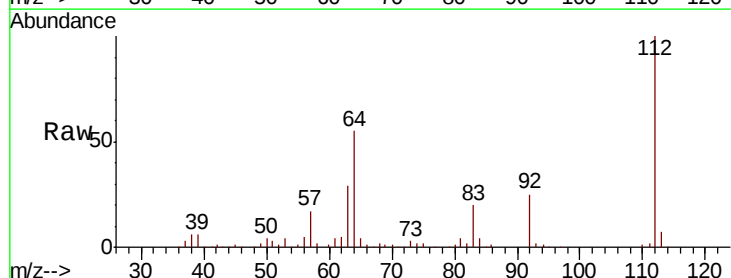
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 40.132 ng
RT: 5.47 min Scan# 575
Delta R.T. -0.01 min
Lab File: BF118207.D
Acq: 16 Dec 2019 20:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.0	41.3	61.9
63	28.9	22.4	33.6

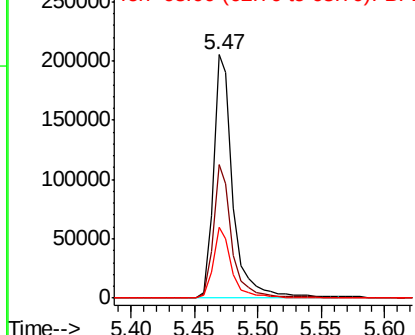
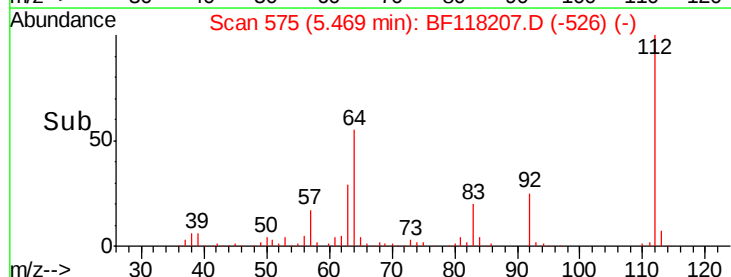


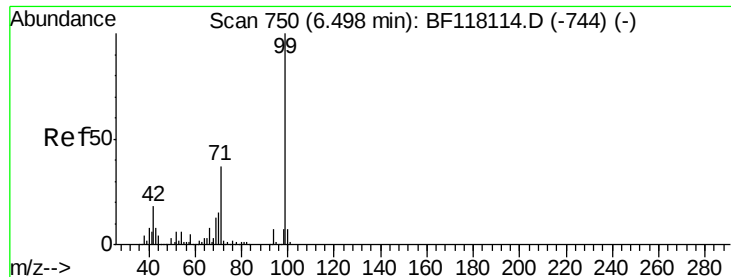
Abundance

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: 26.165 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF118207.D

Acq: 16 Dec 2019 20:15

Instrument :

BNA_F

ClientSampleId :

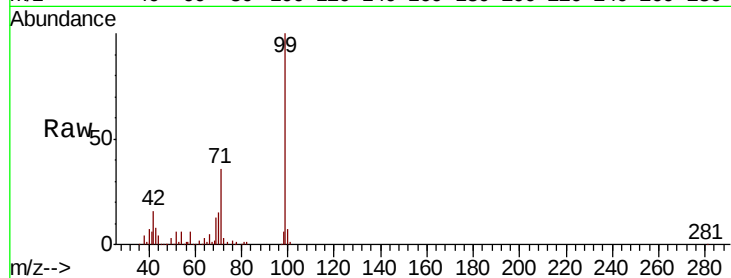
Tot Ion: 99 Resp: 175890

Ion Ratio Lower Upper

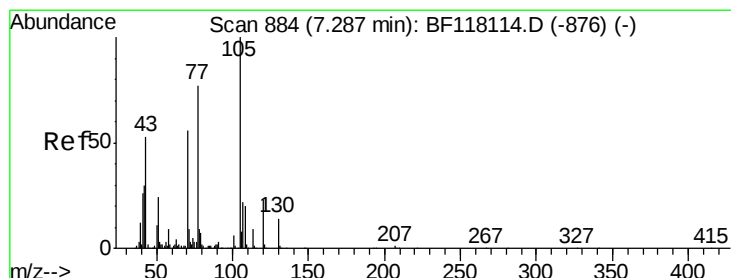
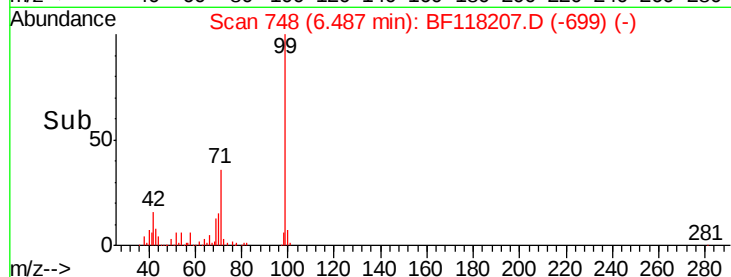
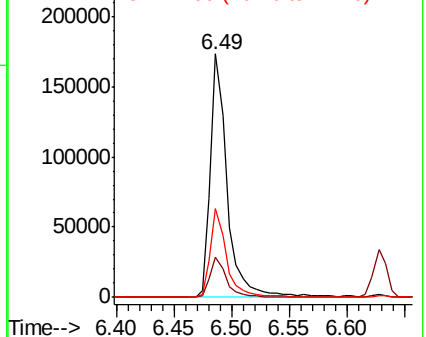
99 100

42 16.4 14.1 21.1

71 36.4 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: 18.186 ng

RT: 7.43 min Scan# 908

Delta R.T. 0.14 min

Lab File: BF118207.D

Acq: 16 Dec 2019 20:15

Tgt Ion: 70 Resp: 74286

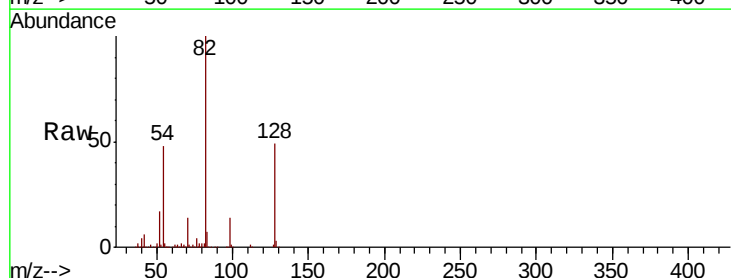
Ion Ratio Lower Upper

70 100

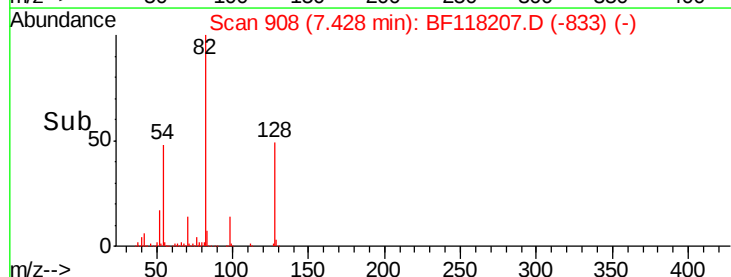
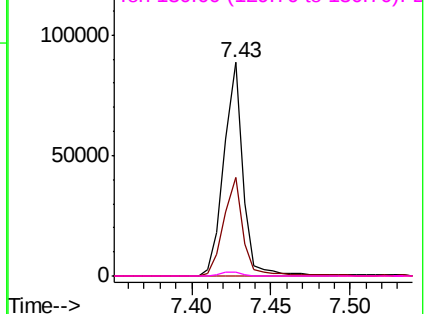
42 45.9 43.2 64.8

101 0.0 8.1 12.1#

130 1.9 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# 1031

Delta R.T. -0.01 min

Lab File: BF118207.D

Acq: 16 Dec 2019 20:15

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 367275

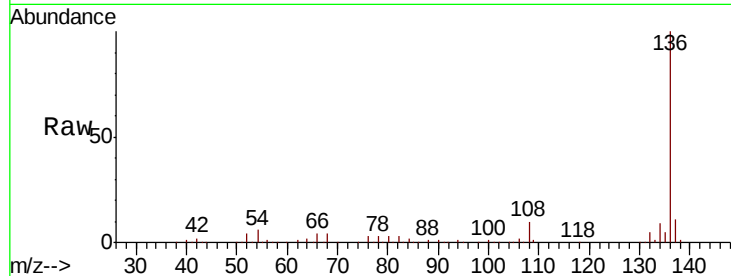
Ion Ratio Lower Upper

136 100

137 10.9 9.0 13.6

54 5.8 5.0 7.6

68 4.2 3.8 5.8

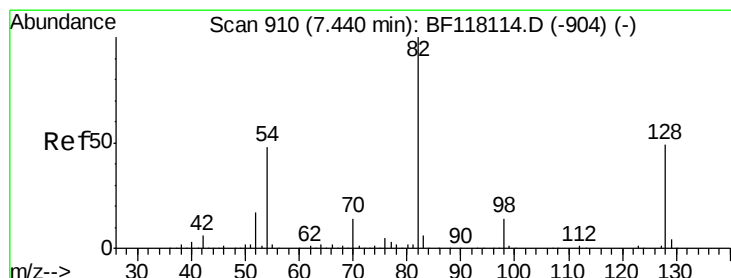
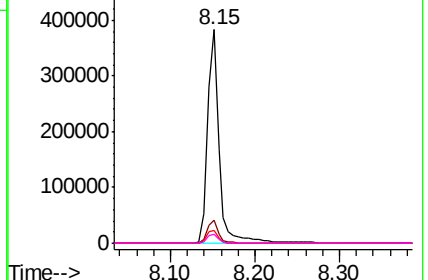
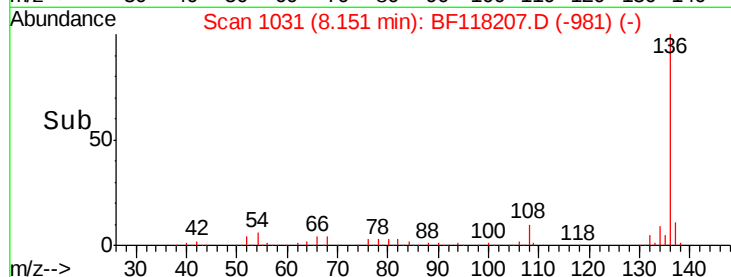


Abundance Ion 136.00 (135.70 to 136.70): E

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: 84.696 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.01 min

Lab File: BF118207.D

Acq: 16 Dec 2019 20:15

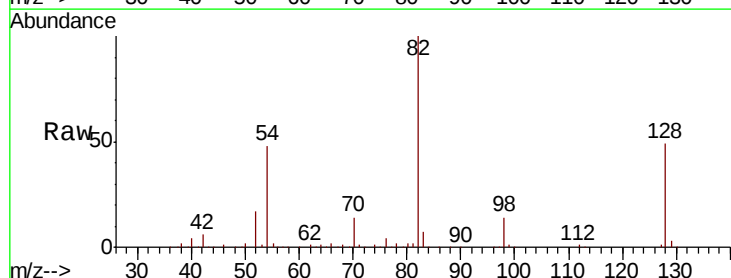
Tgt Ion: 82 Resp: 552934

Ion Ratio Lower Upper

82 100

128 48.9 39.1 58.7

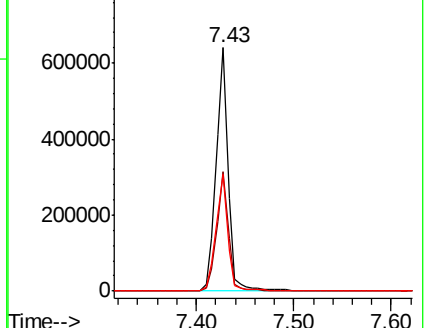
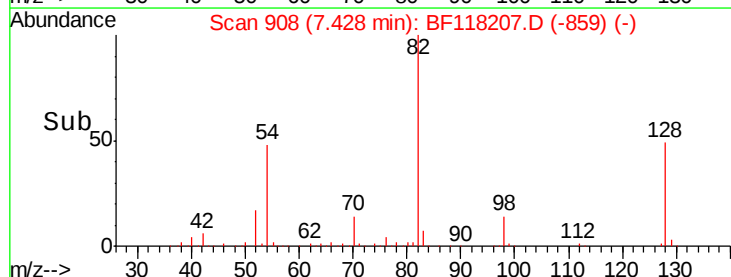
54 48.2 38.2 57.2

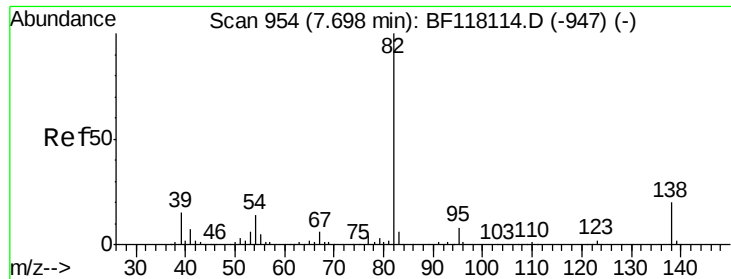


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 49.374 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.27 min

Lab File: BF118207.D

Acq: 16 Dec 2019 20:15

Instrument :

BNA_F

ClientSampleId :

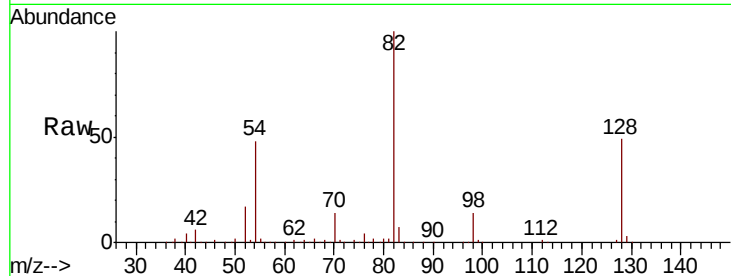
Tot Ion: 82 Resp: 546430

Ion Ratio Lower Upper

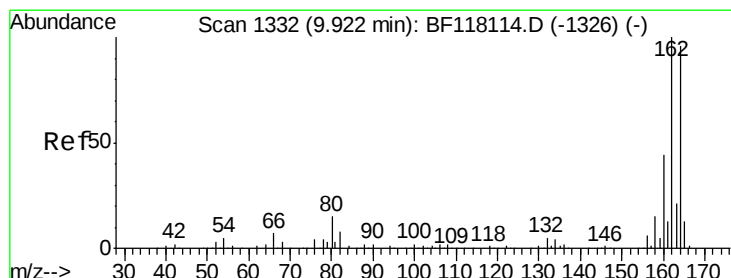
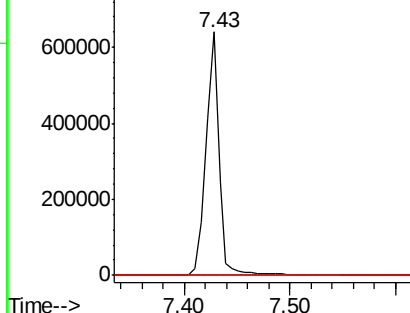
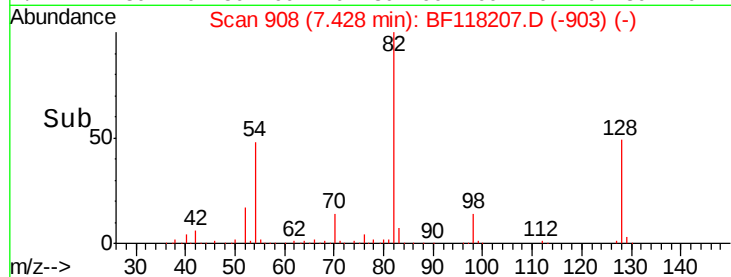
82 100

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: BF118207.D

Acq: 16 Dec 2019 20:15

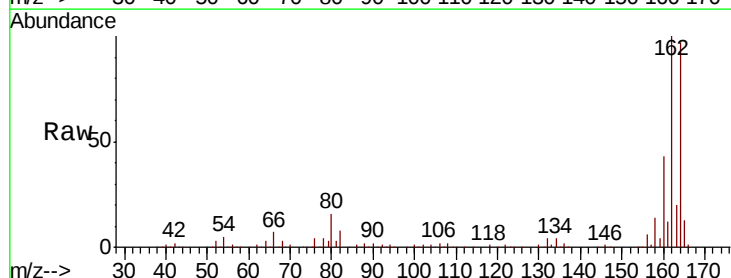
Tgt Ion: 164 Resp: 193705

Ion Ratio Lower Upper

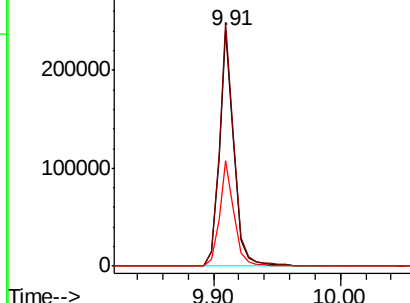
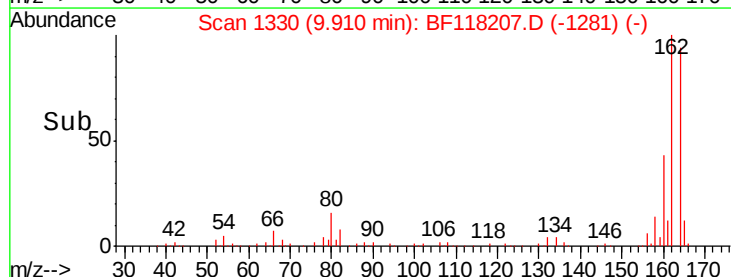
164 100

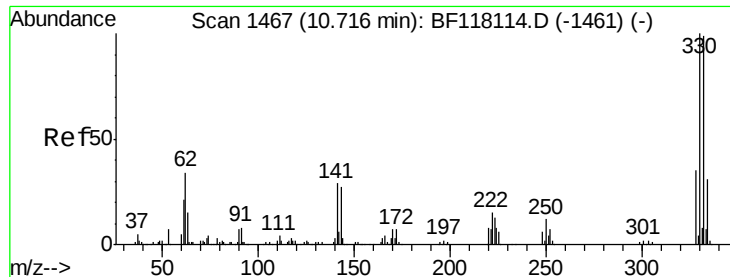
162 103.4 83.4 125.0

160 44.8 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: 95.747 ng

RT: 10.70 min Scan# 1465

Delta R.T. -0.01 min

Lab File: BF118207.D

Acq: 16 Dec 2019 20:15

Instrument :

BNA_F

ClientSampleId :

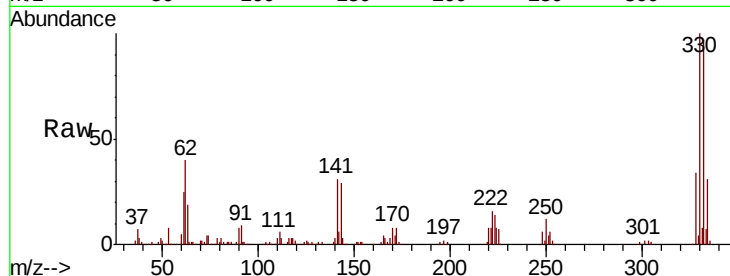
Tot Ion:330 Resp: 225308

Ion Ratio Lower Upper

330 100

332 98.0 78.1 117.1

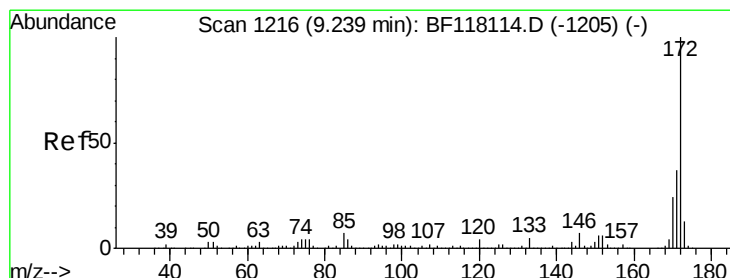
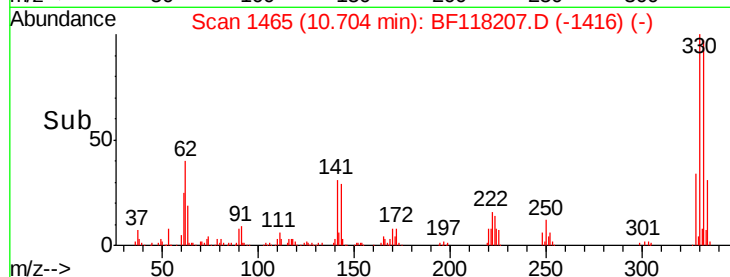
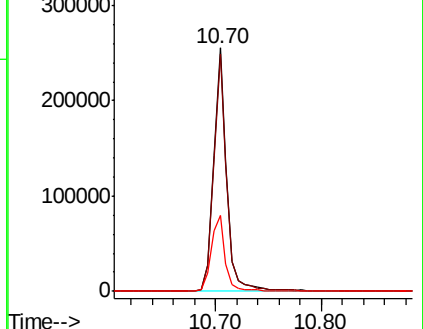
141 33.3 26.9 40.3



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: 90.032 ng

RT: 9.23 min Scan# 1214

Delta R.T. -0.01 min

Lab File: BF118207.D

Acq: 16 Dec 2019 20:15

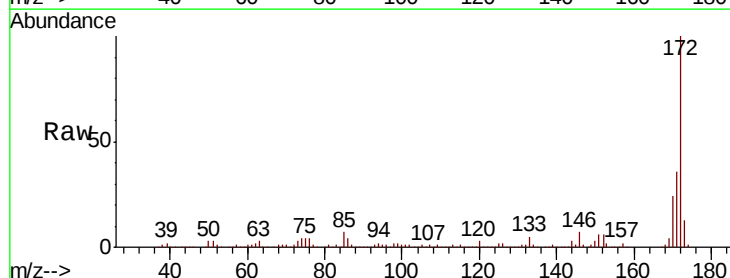
Tgt Ion:172 Resp: 1146103

Ion Ratio Lower Upper

172 100

171 35.9 29.2 43.8

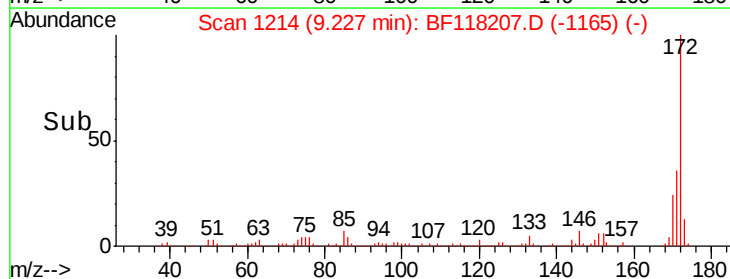
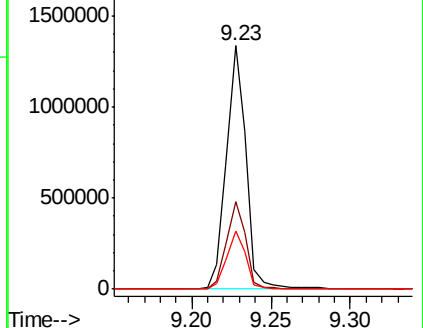
170 24.0 19.4 29.2

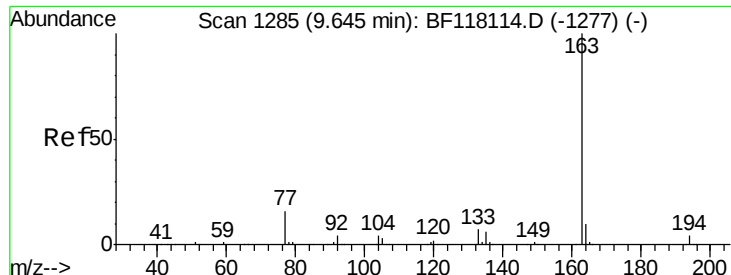


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

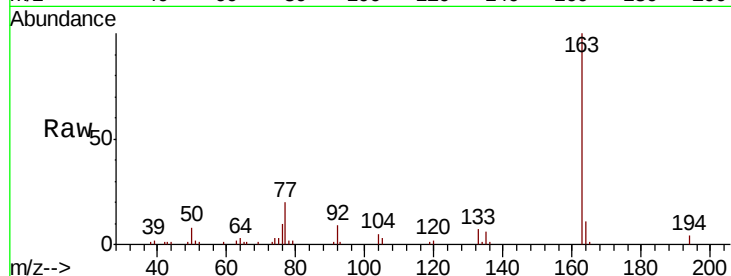




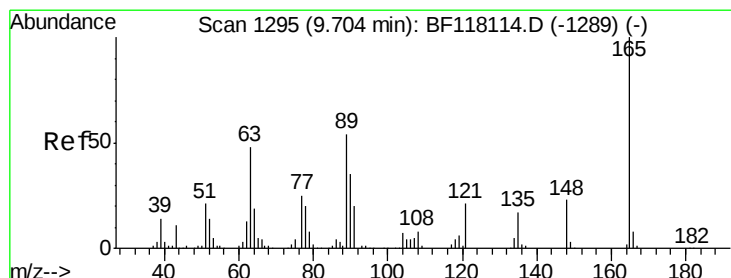
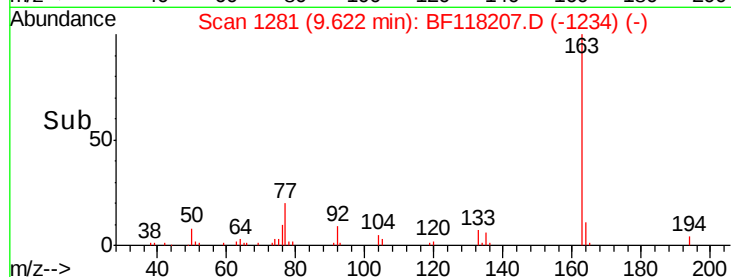
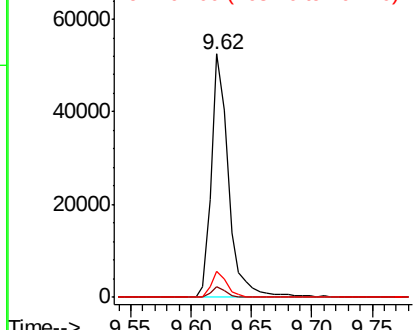
#50
Dimethylphthalate
Concen: 3.611 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.02 min
Lab File: BF118207.D
Acq: 16 Dec 2019 20:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.1	4.7
164	10.7	7.7	11.5

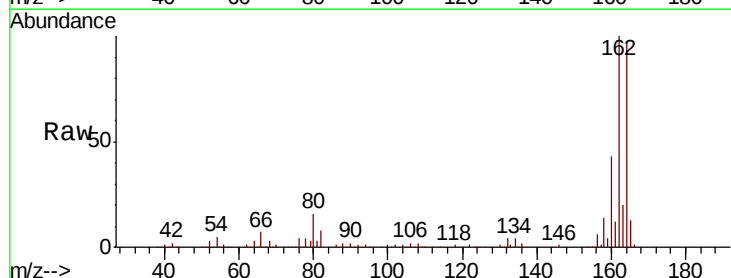


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

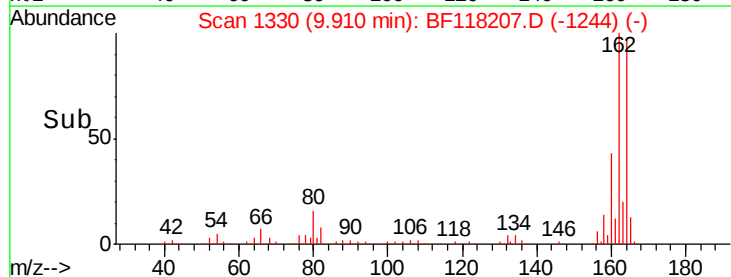
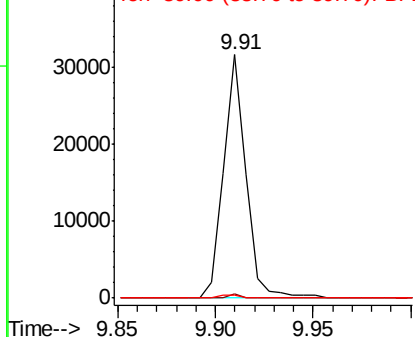


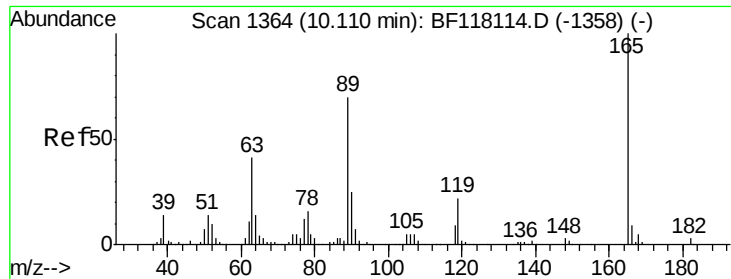
#51
2,6-Dinitrotoluene
Concen: 8.088 ng
RT: 9.91 min Scan# 1330
Delta R.T. 0.21 min
Lab File: BF118207.D
Acq: 16 Dec 2019 20:15

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	41.4	62.0#
89	1.4	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: 6.060 ng

RT: 9.91 min Scan# 1330

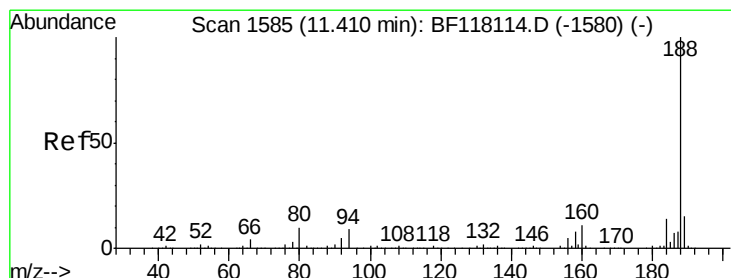
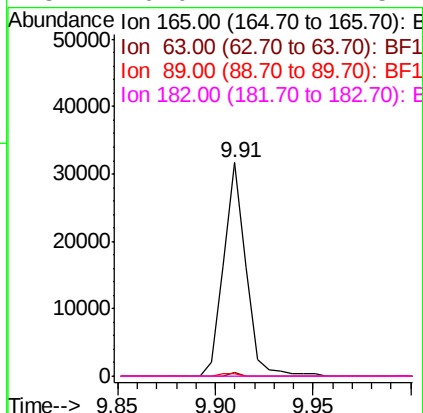
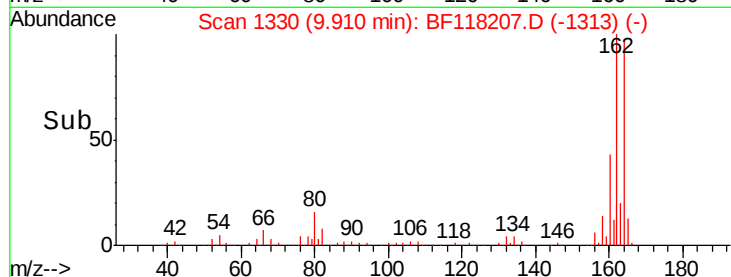
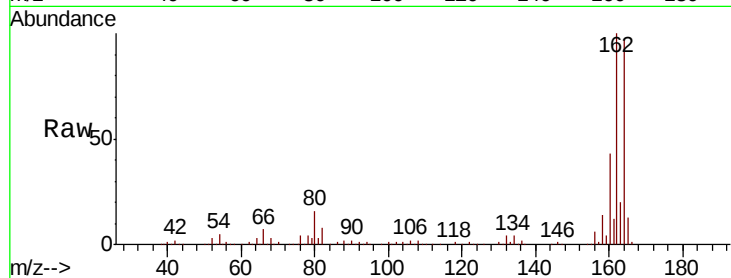
Delta R.T. -0.20 min

Lab File: BF118207.D

Acq: 16 Dec 2019 20:15

Instrument :
BNA_F
ClientSampled :

Tot Ion:165	Resp:	25164
Ion Ratio	Lower	Upper
165	100	
63	1.7	32.6 49.0#
89	1.4	56.1 84.1#
182	0.0	2.1 3.1#



#64

Phenanthrene-d10

Concen: 20.000 ng

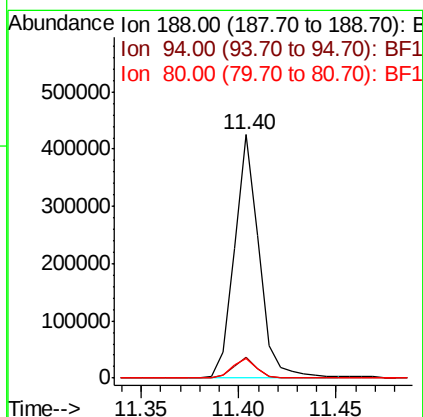
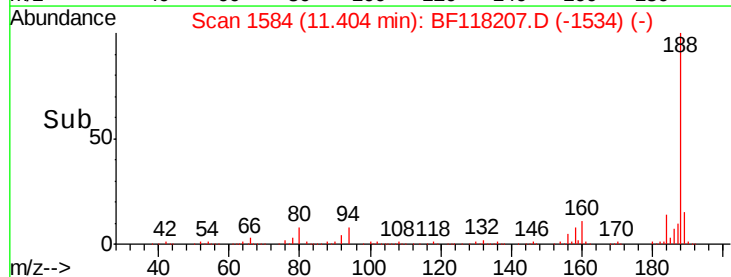
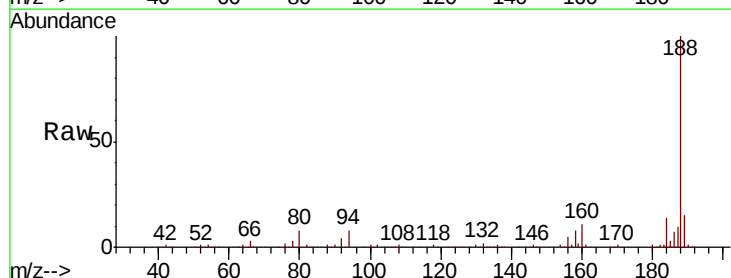
RT: 11.40 min Scan# 1584

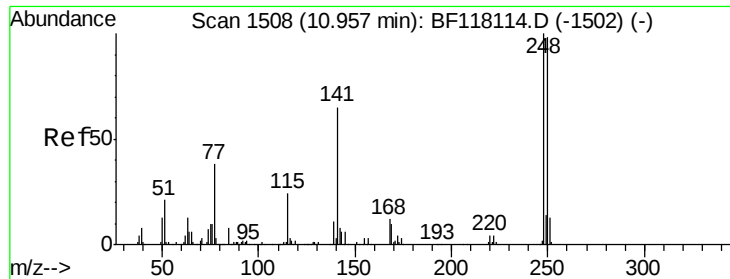
Delta R.T. -0.01 min

Lab File: BF118207.D

Acq: 16 Dec 2019 20:15

Tgt Ion:188	Resp:	371899
Ion Ratio	Lower	Upper
188	100	
94	8.5	7.1 10.7
80	8.1	7.9 11.9

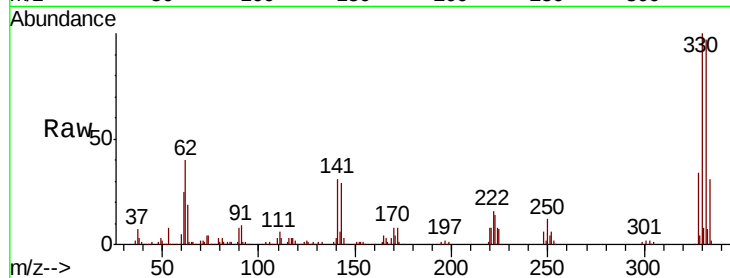




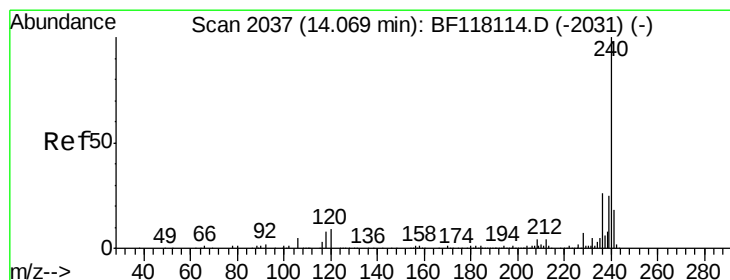
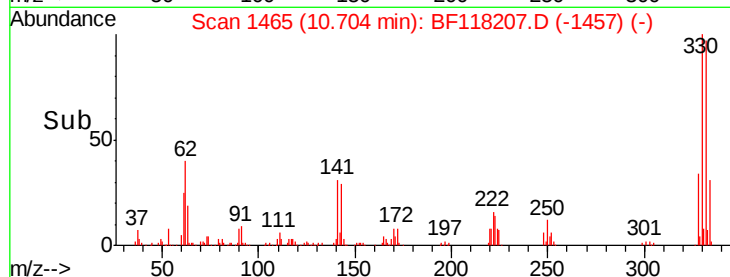
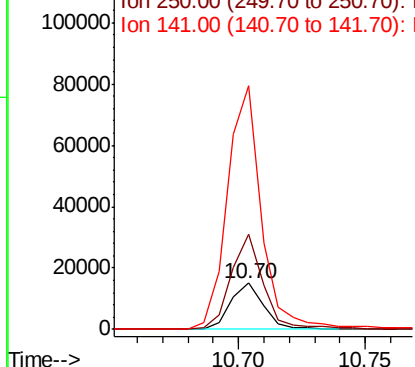
#67
4-Bromophenyl-phenylether
Concen: 3.212 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.25 min
Lab File: BF118207.D
Acq: 16 Dec 2019 20:15

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 13637
Ion Ratio Lower Upper
248 100
250 205.6 78.3 117.5#
141 529.6 52.2 78.4#

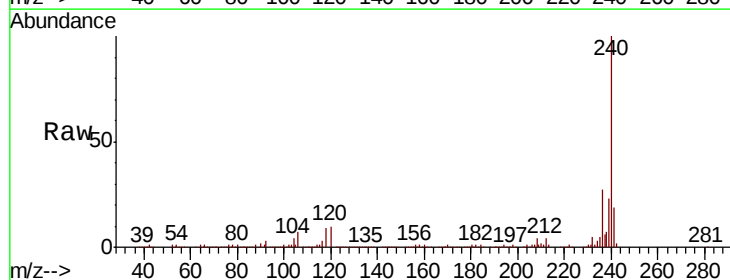


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

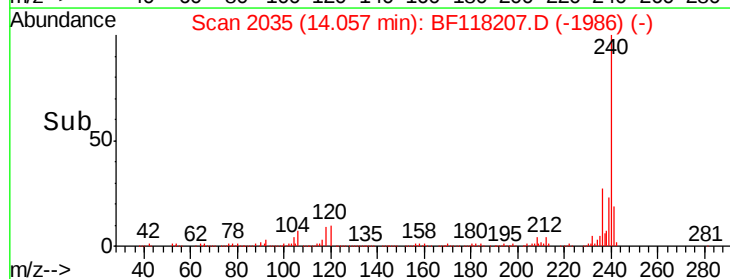
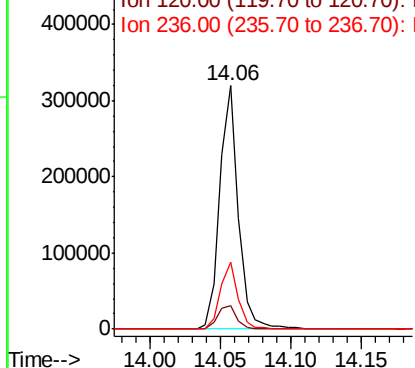


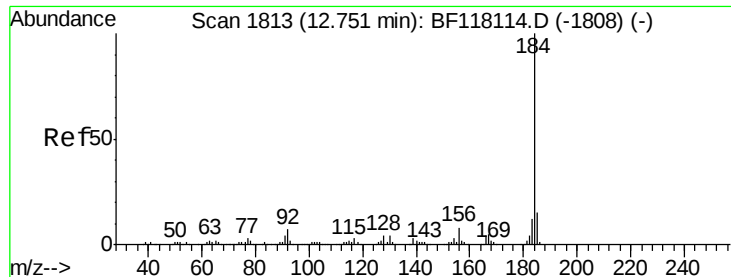
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BF118207.D
Acq: 16 Dec 2019 20:15

Tgt Ion:240 Resp: 293395
Ion Ratio Lower Upper
240 100
120 9.8 7.1 10.7
236 27.3 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: 2.660 ng

RT: 13.00 min Scan# 1855

Delta R.T. 0.25 min

Lab File: BF118207.D

Acq: 16 Dec 2019 20:15

Instrument :

BNA_F

ClientSampleId :

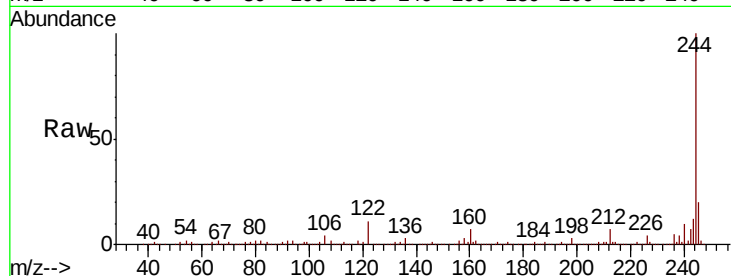
Tot Ion:184 Resp: 20544

Ion Ratio Lower Upper

184 100

185 17.2 12.3 18.5

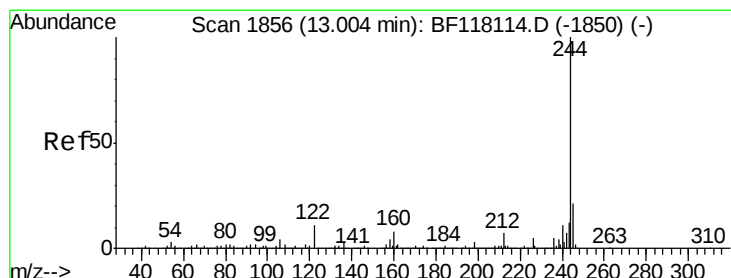
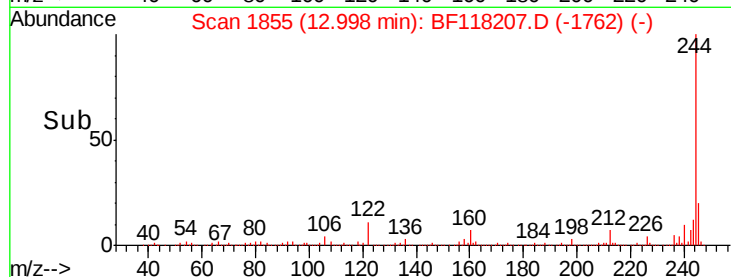
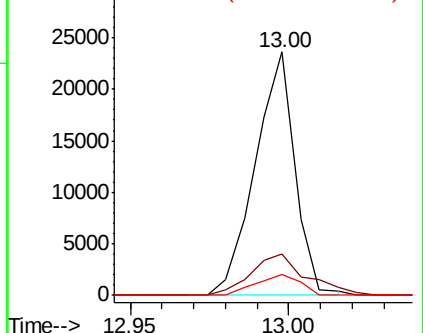
183 8.8 9.9 14.9#



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: 86.621 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.01 min

Lab File: BF118207.D

Acq: 16 Dec 2019 20:15

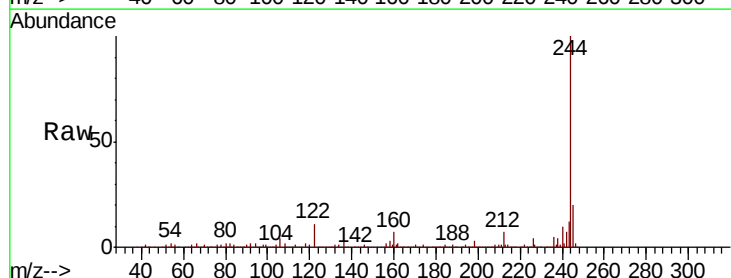
Tgt Ion:244 Resp: 1477892

Ion Ratio Lower Upper

244 100

212 7.1 5.9 8.9

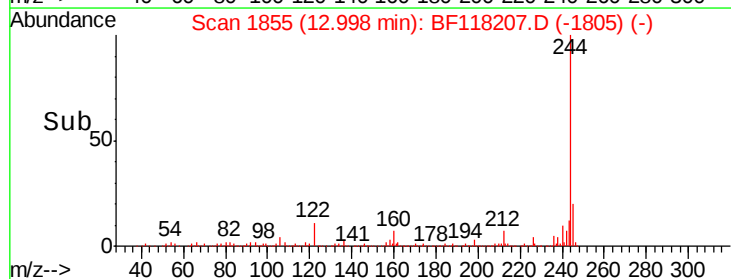
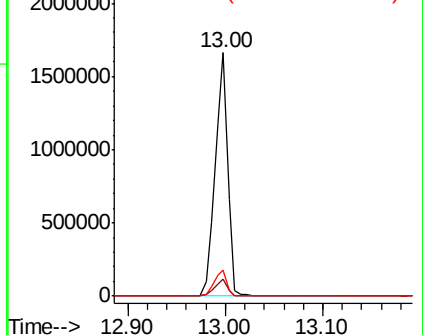
122 10.9 9.0 13.6

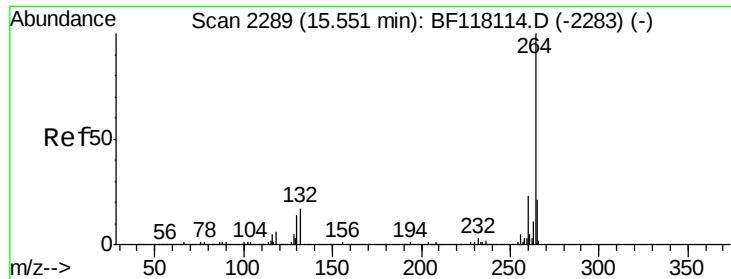


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



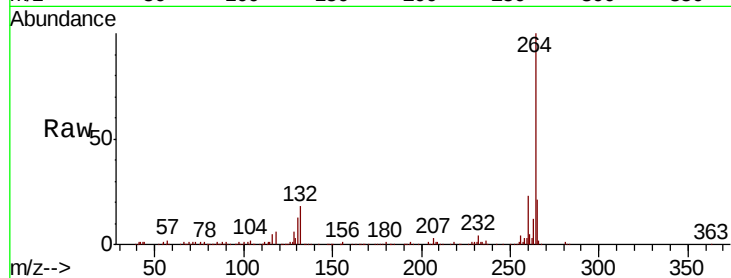


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2288
Delta R.T. -0.01 min
Lab File: BF118207.D
Acq: 16 Dec 2019 20:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 264 Resp: 285942

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.6	28.0
265	21.4	16.8	25.2



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

