

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121819\
 Data File : BF118257.D
 Acq On : 18 Dec 2019 14:24
 Operator : JU
 Sample : K6324-07
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 19 03:07:37 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

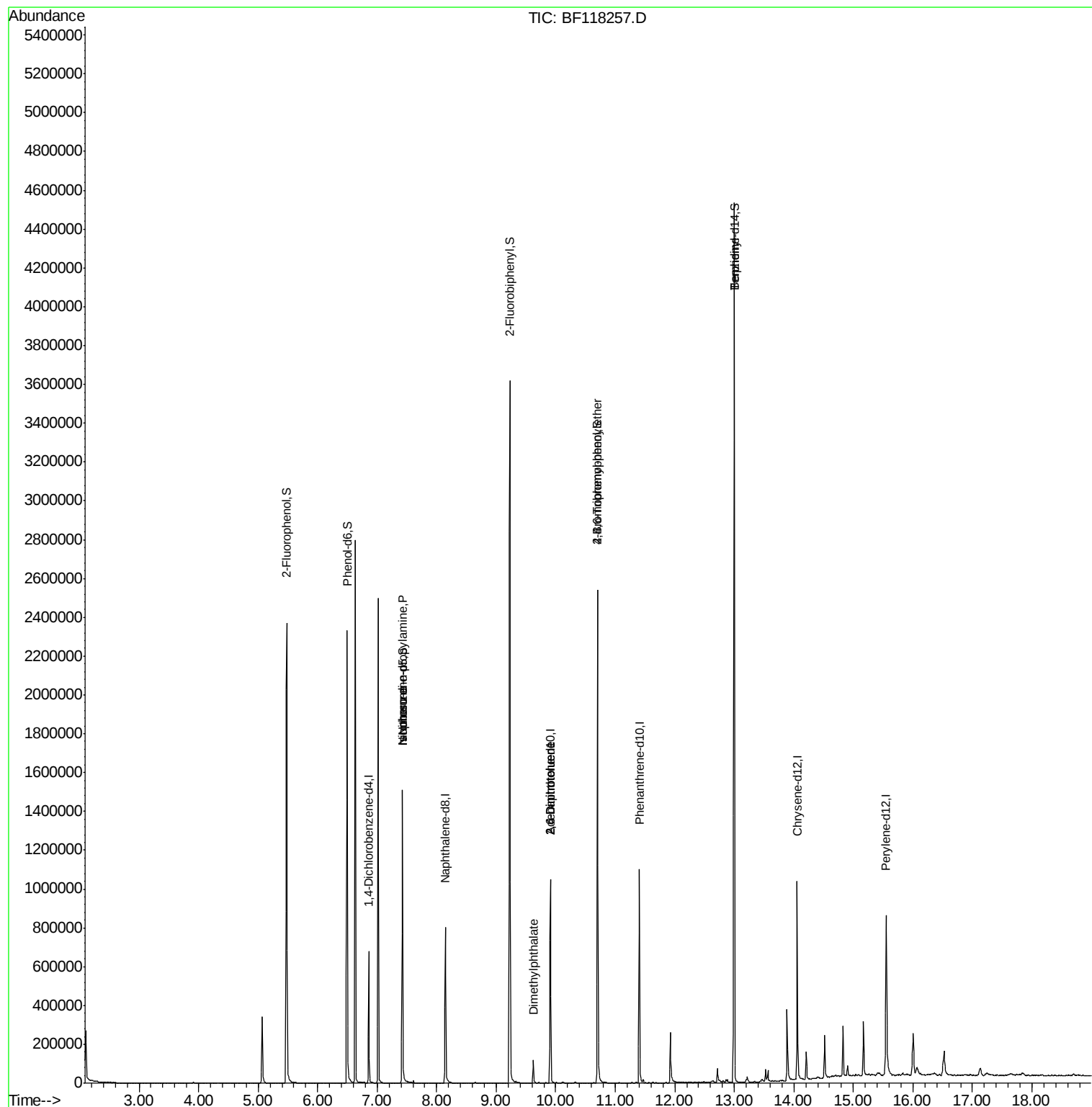
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	100262	20.00	ng	-0.01
21) Naphthalene-d8	8.15	136	399026	20.00	ng	-0.01
39) Acenaphthene-d10	9.91	164	214509	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	426500	20.00	ng	0.00
76) Chrysene-d12	14.06	240	337923	20.00	ng	-0.01
87) Perylene-d12	15.55	264	328397	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	692410	120.96	ng	0.00
7) Phenol-d6	6.49	99	896329	129.45	ng	0.00
23) Nitrobenzene-d5	7.42	82	523420	73.80	ng	-0.02
42) 2,4,6-Tribromophenol	10.70	330	316421	121.43	ng	-0.01
45) 2-Fluorobiphenyl	9.23	172	1116180	79.18	ng	-0.01
79) Terphenyl-d14	13.00	244	1469266	74.77	ng	0.00
Target Compounds						
9) Benzaldehyde	6.49	77	1512	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	7.42	70	71355	16.960	ng	# 1
25) Isophorone	7.42	82	523494	43.538	ng	# 78
50) Dimethylphthalate	9.62	163	54026	3.410	ng	# 62
51) 2,6-Dinitrotoluene	9.91	165	27527	7.990	ng	# 99
57) 2,4-Dinitrotoluene	9.91	165	27527	5.986	ng	# 27
67) 4-Bromophenyl-phenylether	10.70	248	19314	3.967	ng	# 25
77) Benzidine	13.00	184	19834	2.230	ng	# 1
						# 93

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

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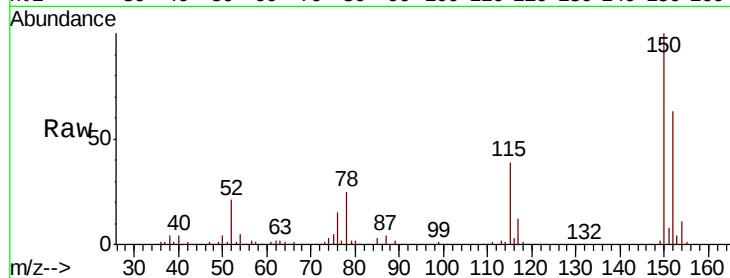


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.86 min Scan# 811
 Delta R.T. -0.01 min
 Lab File: BF118257.D
 Acq: 18 Dec 2019 14:24

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.6	128.3	192.5
115	62.4	51.1	76.7

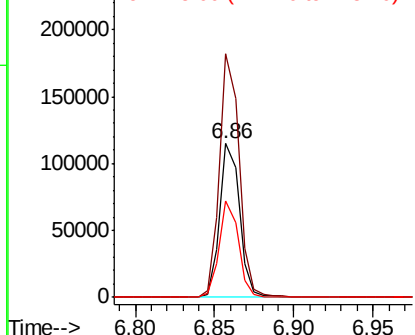
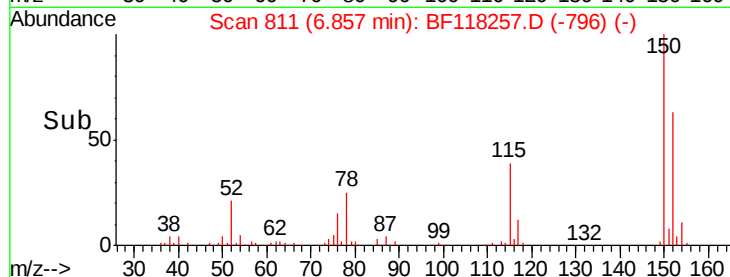


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

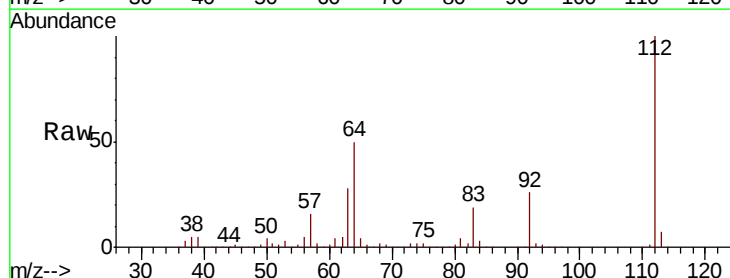
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 120.956 ng
 RT: 5.48 min Scan# 577
 Delta R.T. 0.00 min
 Lab File: BF118257.D
 Acq: 18 Dec 2019 14:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.0	41.3	61.9
63	28.0	22.4	33.6

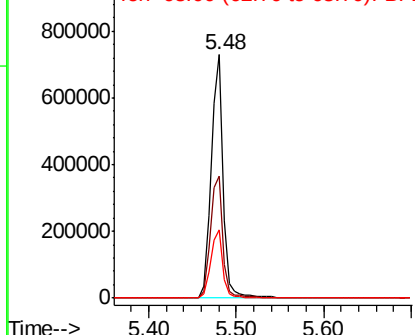
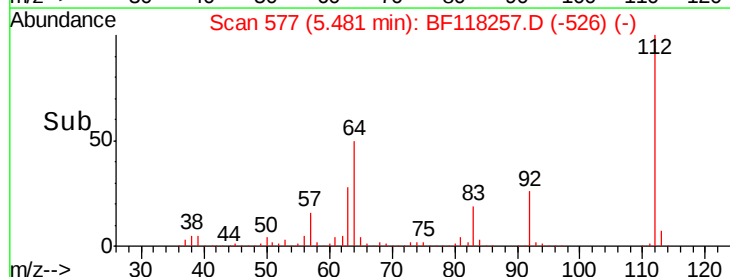


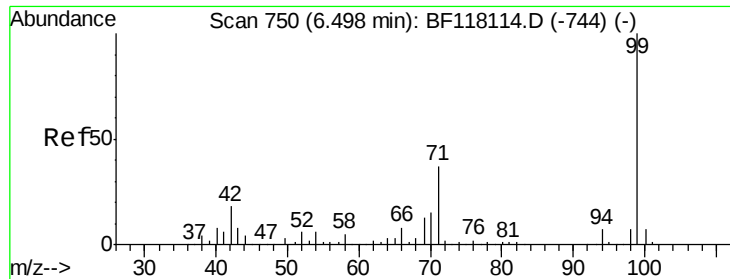
Abundance

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: 129.454 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF118257.D

Acq: 18 Dec 2019 14:24

Instrument :

BNA_F

ClientSampled :

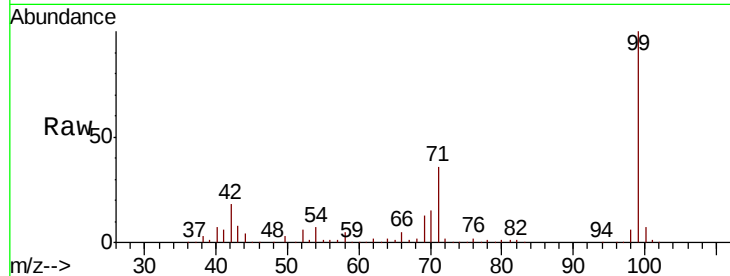
Tot Ion: 99 Resp: 896329

Ion Ratio Lower Upper

99 100

42 18.0 14.1 21.1

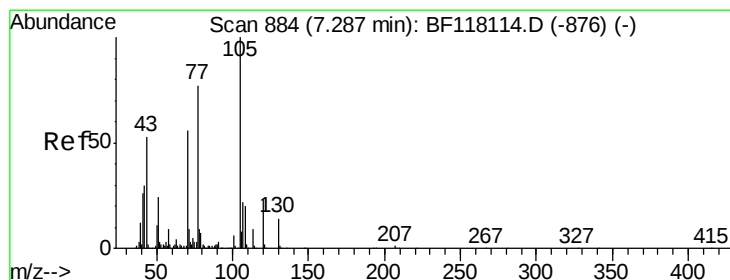
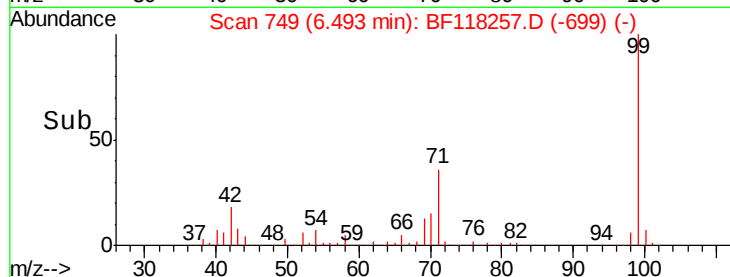
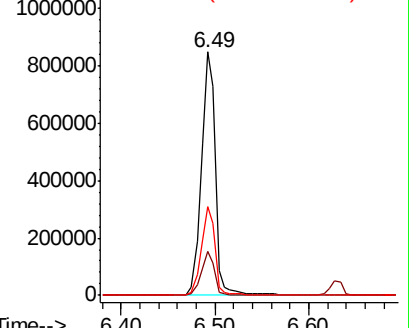
71 36.5 29.7 44.5



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: 16.960 ng

RT: 7.42 min Scan# 907

Delta R.T. 0.14 min

Lab File: BF118257.D

Acq: 18 Dec 2019 14:24

Tgt Ion: 70 Resp: 71355

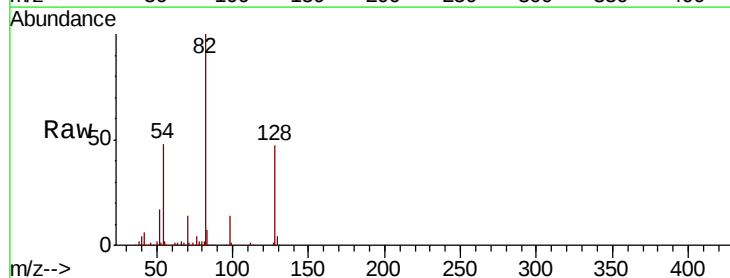
Ion Ratio Lower Upper

70 100

42 46.8 43.2 64.8

101 0.0 8.1 12.1#

130 2.3 19.8 29.8#

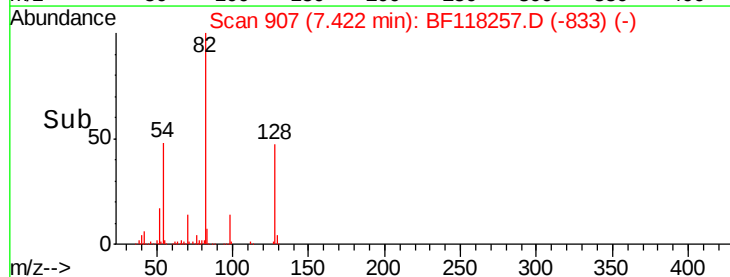
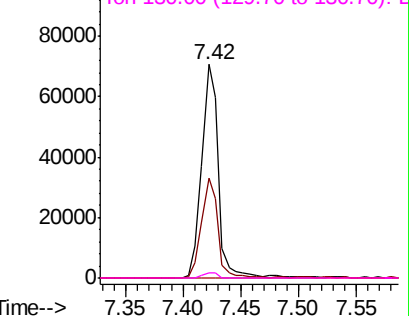


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

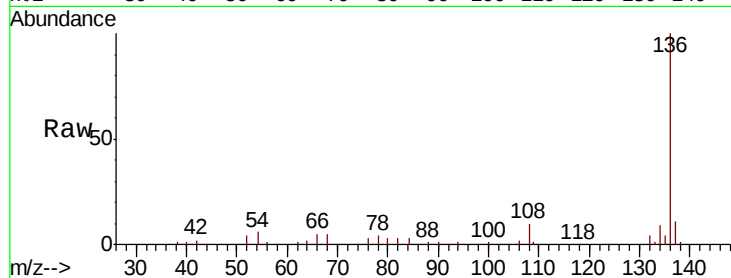




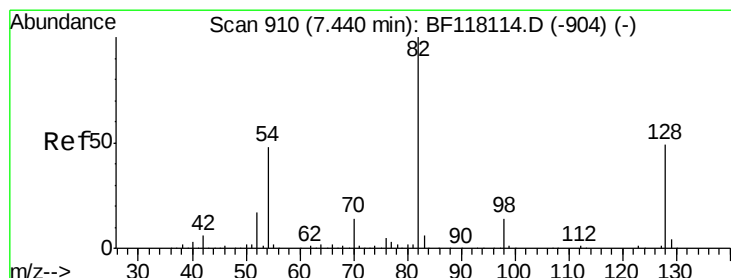
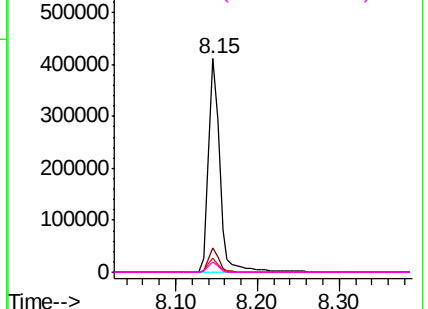
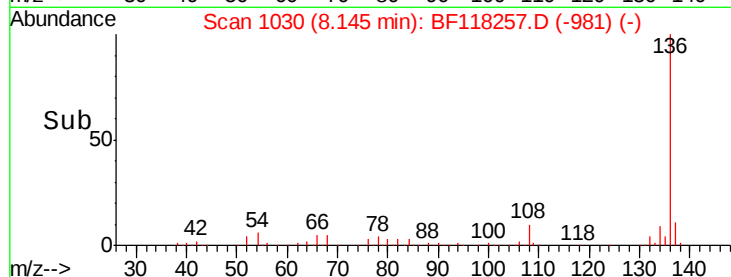
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF118257.D
Acq: 18 Dec 2019 14:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	399026
Ion	Ratio	Lower Upper
136	100	
137	11.3	9.0 13.6
54	6.5	5.0 7.6
68	4.5	3.8 5.8

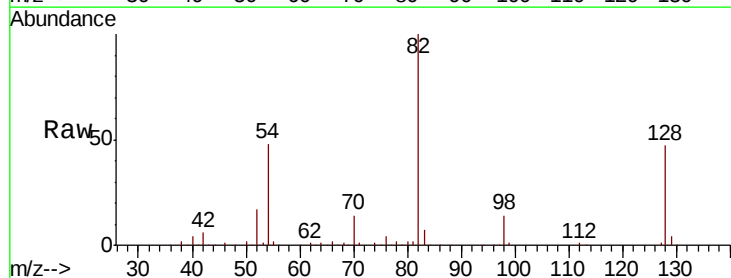


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

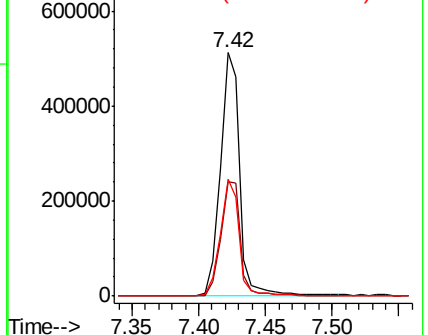
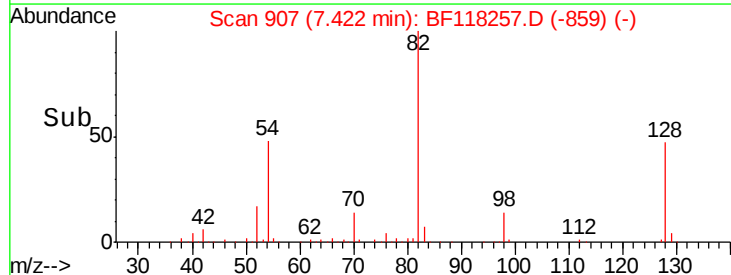


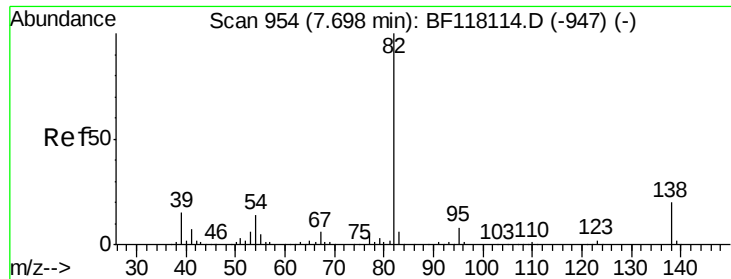
#23
Nitrobenzene-d5
Concen: 73.796 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.02 min
Lab File: BF118257.D
Acq: 18 Dec 2019 14:24

Tgt Ion: 82	Resp:	523420
Ion	Ratio	Lower Upper
82	100	
128	47.1	39.1 58.7
54	48.1	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: 43.538 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.28 min

Lab File: BF118257.D

Acq: 18 Dec 2019 14:24

Instrument :

BNA_F

ClientSampleId :

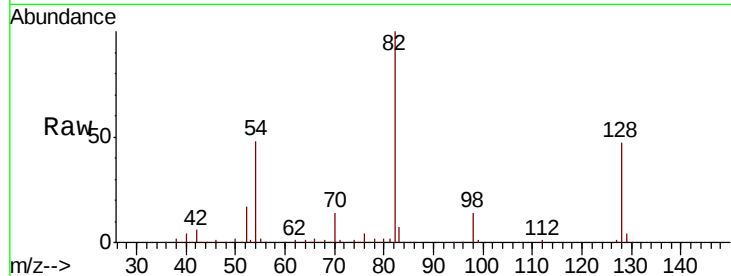
Tot Ion: 82 Resp: 523494

Ion Ratio Lower Upper

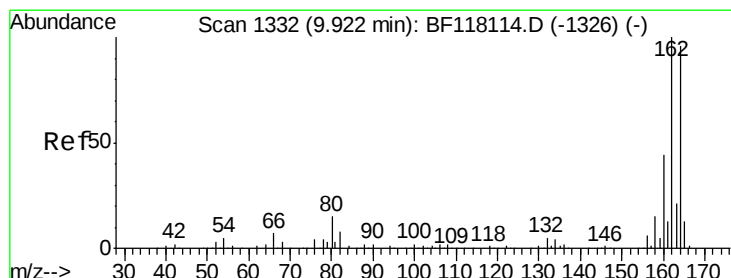
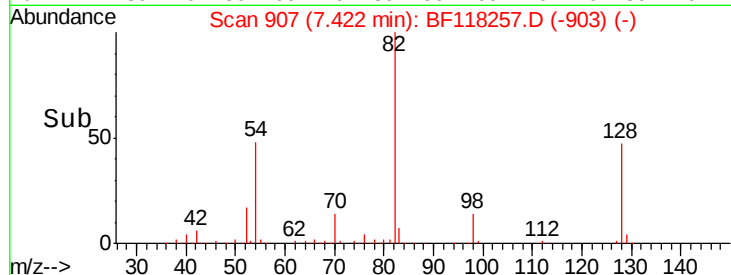
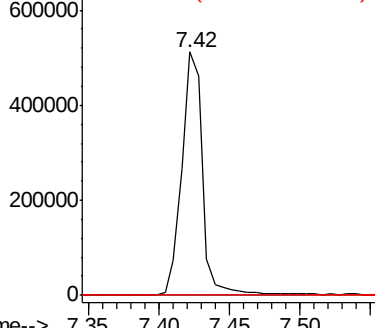
82 100

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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.01 min

Lab File: BF118257.D

Acq: 18 Dec 2019 14:24

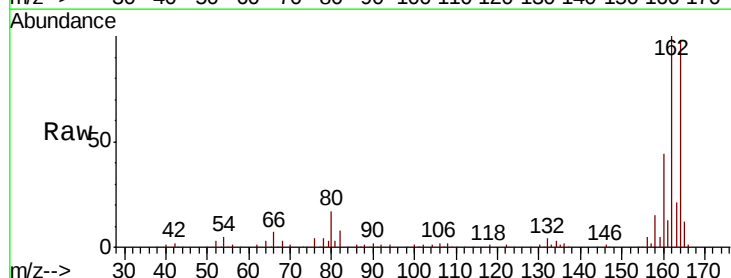
Tgt Ion: 164 Resp: 214509

Ion Ratio Lower Upper

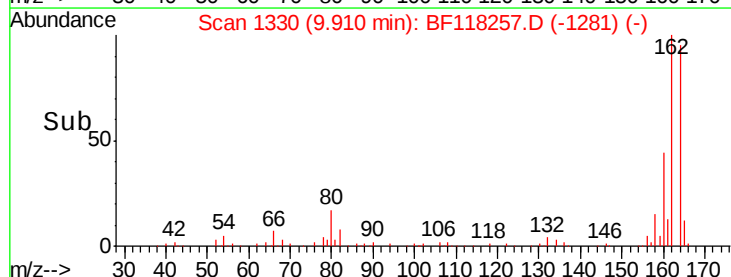
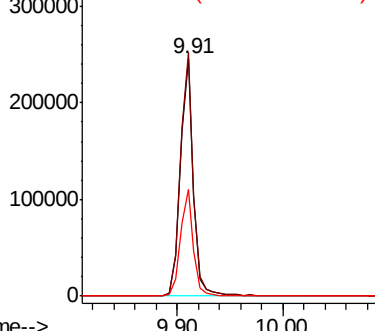
164 100

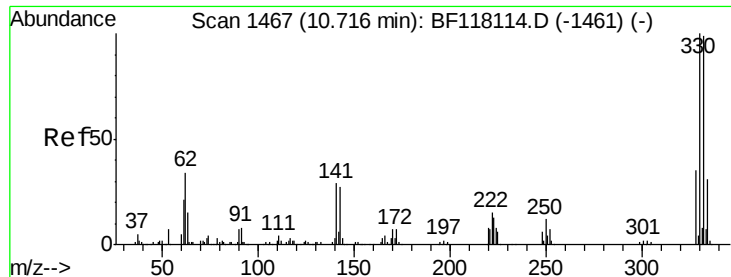
162 102.5 83.4 125.0

160 45.0 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

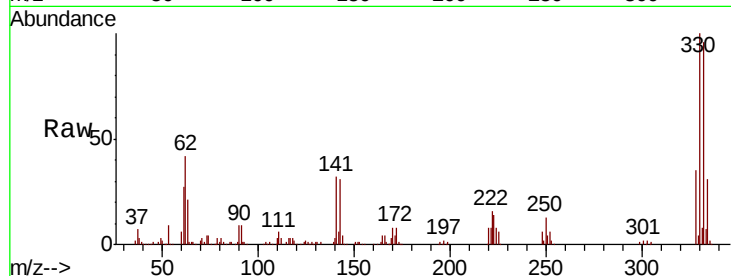




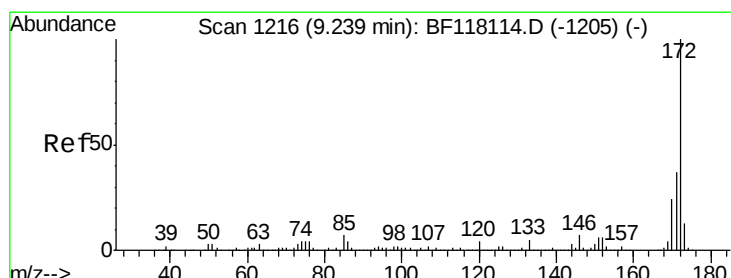
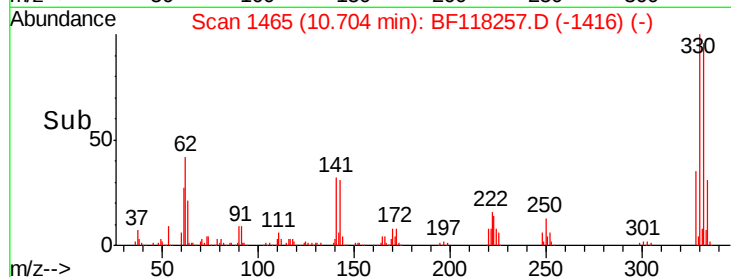
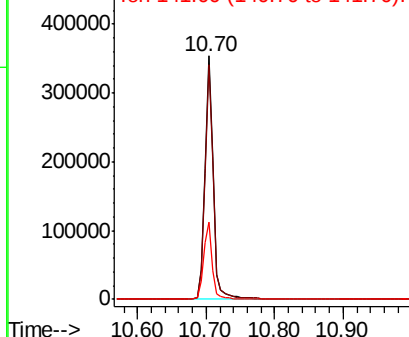
#42
 2,4,6-Tribromophenol
 Concen: 121.425 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF118257.D
 Acq: 18 Dec 2019 14:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 316421
 Ion Ratio Lower Upper
 330 100
 332 95.8 78.1 117.1
 141 32.4 26.9 40.3

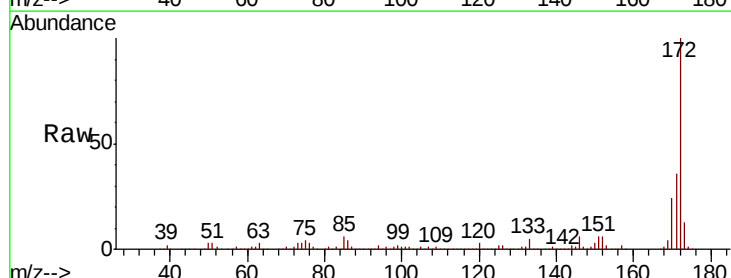


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

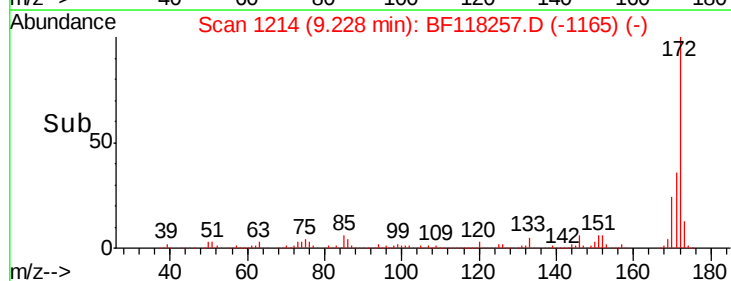
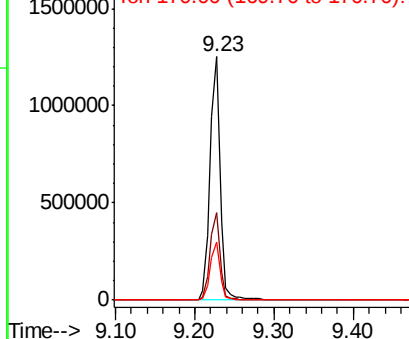


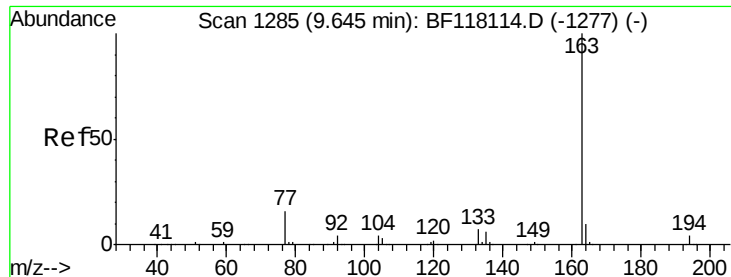
#45
 2-Fluorobiphenyl
 Concen: 79.178 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF118257.D
 Acq: 18 Dec 2019 14:24

Tgt Ion:172 Resp: 1116180
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.2 43.8
 170 23.7 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: 3.410 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.02 min

Lab File: BF118257.D

Acq: 18 Dec 2019 14:24

Instrument :

BNA_F

ClientSampleId :

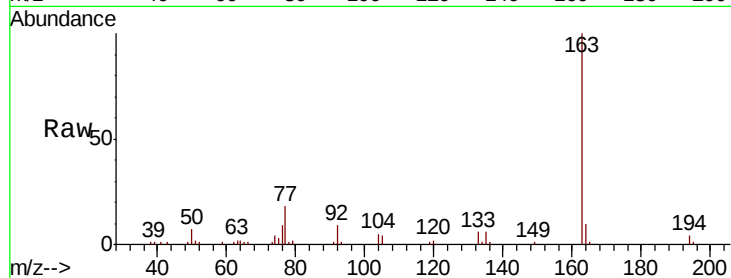
Tot Ion:163 Resp: 54026

Ion Ratio Lower Upper

163 100

194 3.9 3.1 4.7

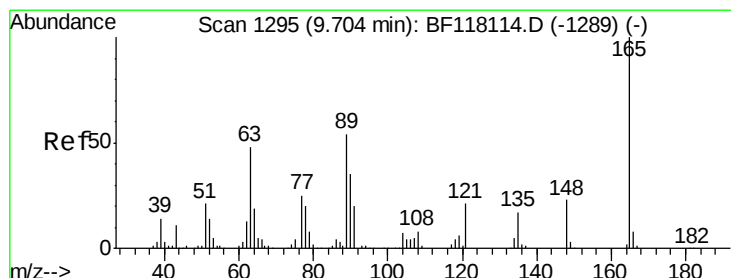
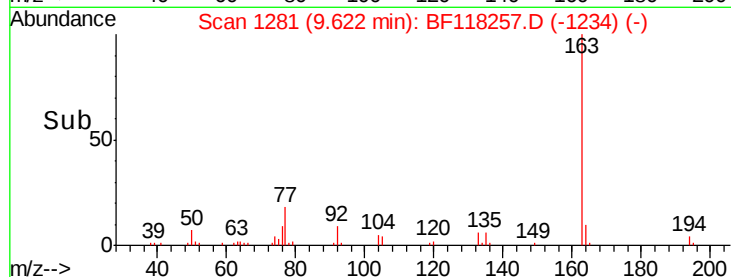
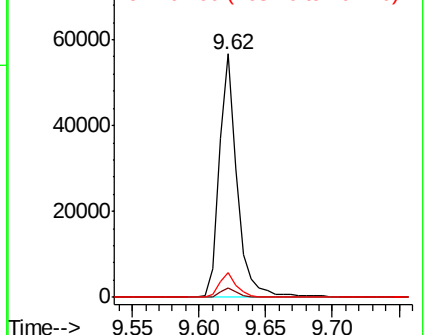
164 10.0 7.7 11.5



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: 7.990 ng

RT: 9.91 min Scan# 1330

Delta R.T. 0.21 min

Lab File: BF118257.D

Acq: 18 Dec 2019 14:24

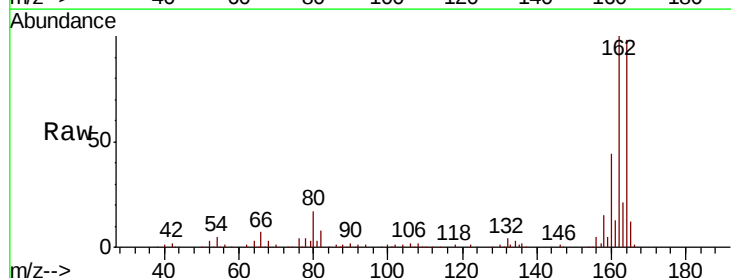
Tgt Ion:165 Resp: 27527

Ion Ratio Lower Upper

165 100

63 0.0 41.4 62.0#

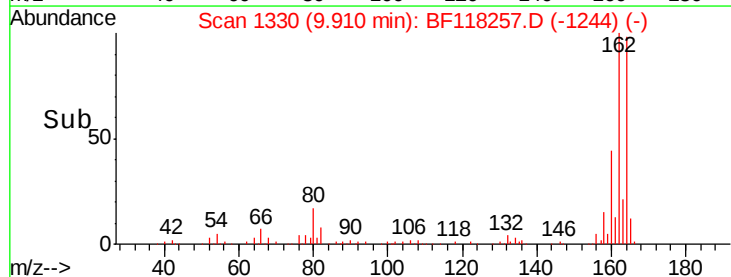
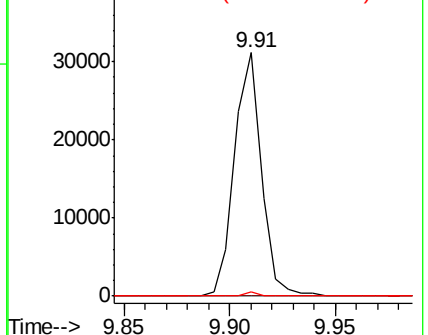
89 1.9 42.9 64.3#

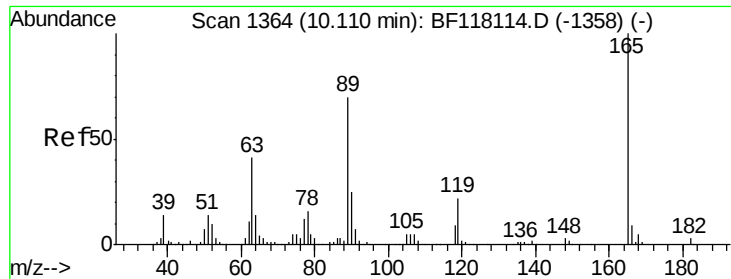


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

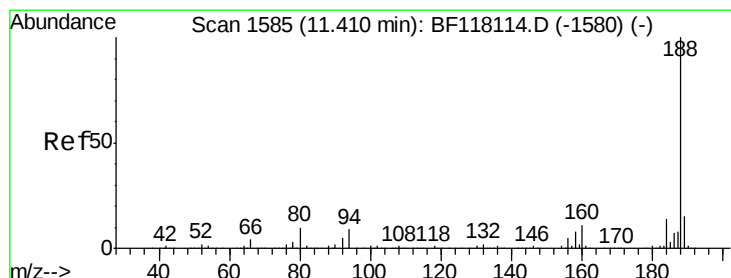
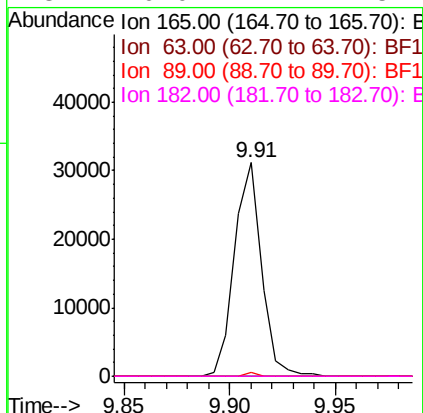
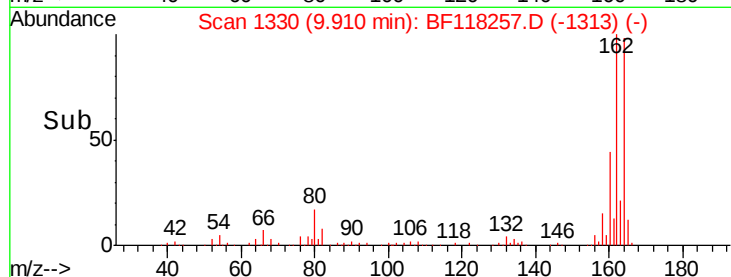
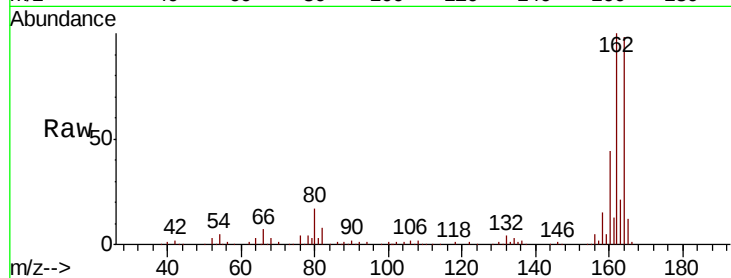




#57
 2,4-Dinitrotoluene
 Concen: 5.986 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.20 min
 Lab File: BF118257.D
 Acq: 18 Dec 2019 14:24

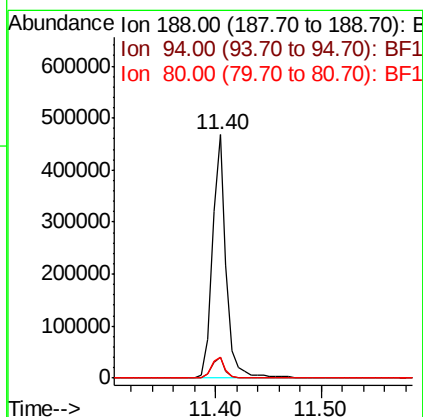
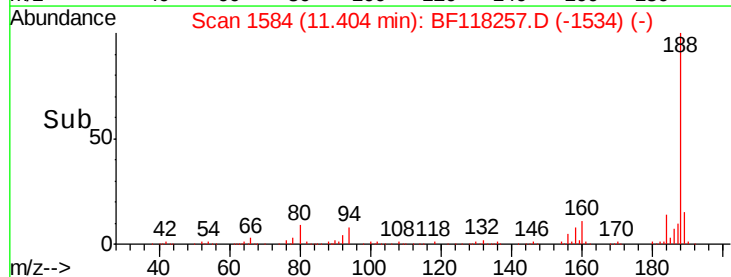
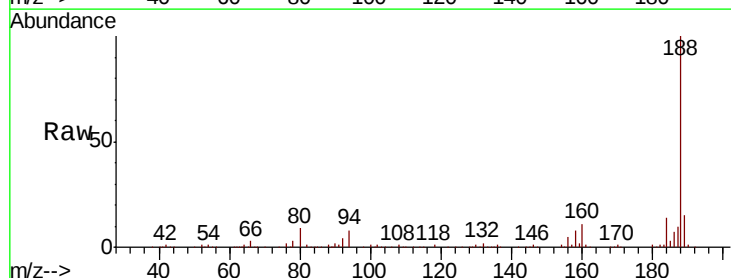
Instrument :
 BNA_F
 ClientSampleId :

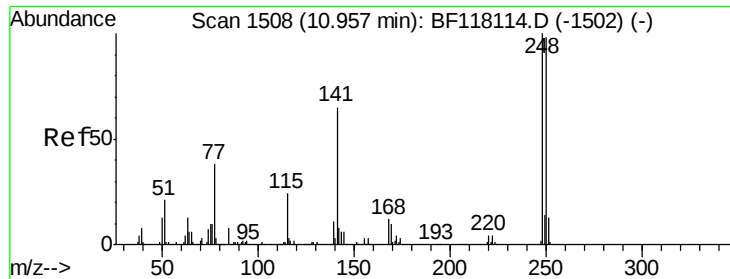
Tot Ion:165	Resp:	27527
Ion Ratio	Lower	Upper
165	100	
63	0.0	32.6 49.0#
89	1.9	56.1 84.1#
182	0.0	2.1 3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF118257.D
 Acq: 18 Dec 2019 14:24

Tgt Ion:188	Resp:	426500
Ion Ratio	Lower	Upper
188	100	
94	8.3	7.1 10.7
80	8.6	7.9 11.9

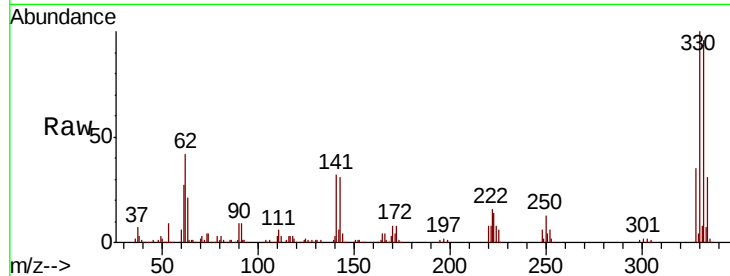




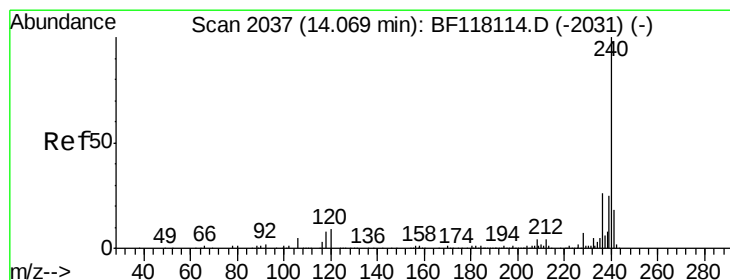
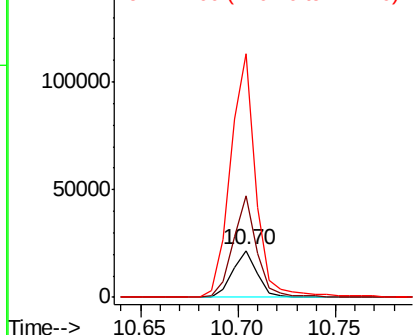
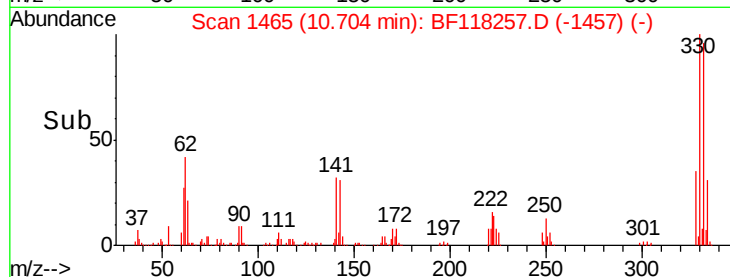
#67
4-Bromophenyl-phenylether
Concen: 3.967 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.25 min
Lab File: BF118257.D
Acq: 18 Dec 2019 14:24

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 19314
Ion Ratio Lower Upper
248 100
250 215.7 78.3 117.5#
141 518.7 52.2 78.4#

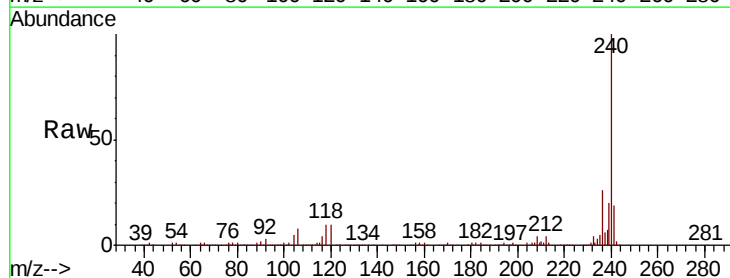


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

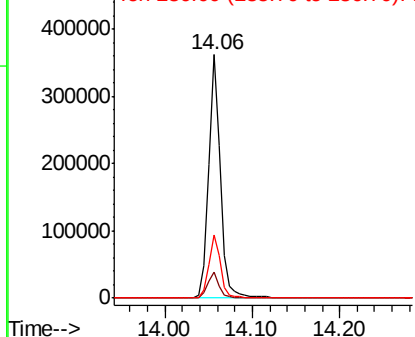
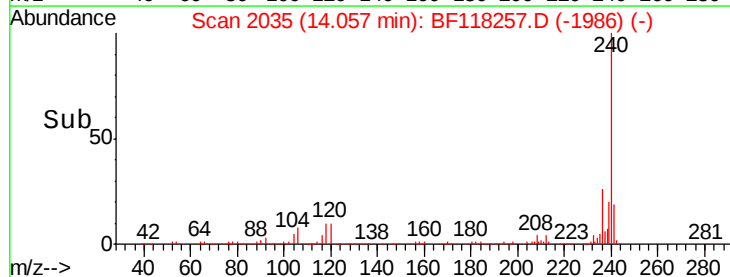


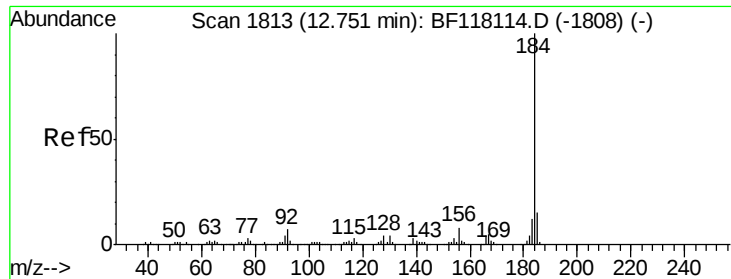
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BF118257.D
Acq: 18 Dec 2019 14:24

Tgt Ion:240 Resp: 337923
Ion Ratio Lower Upper
240 100
120 10.5 7.1 10.7
236 25.8 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: 2.230 ng

RT: 13.00 min Scan# 1855

Delta R.T. 0.25 min

Lab File: BF118257.D

Acq: 18 Dec 2019 14:24

Instrument :

BNA_F

ClientSampleId :

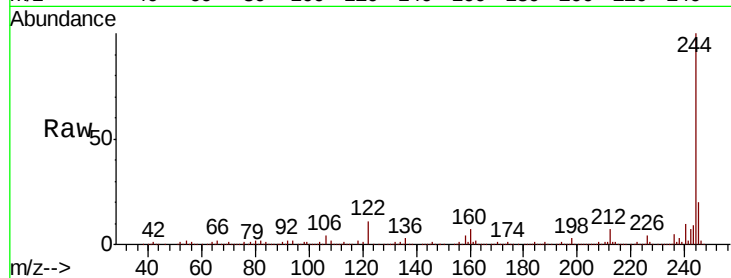
Tot Ion:184 Resp: 19834

Ion Ratio Lower Upper

184 100

185 15.6 12.3 18.5

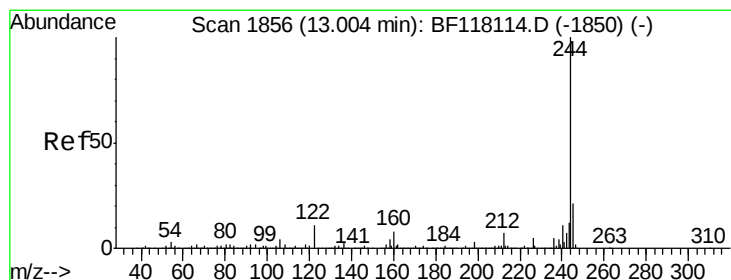
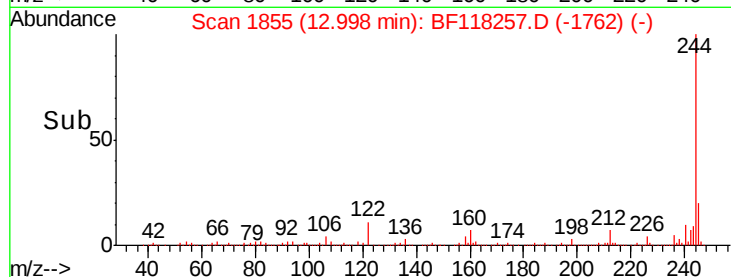
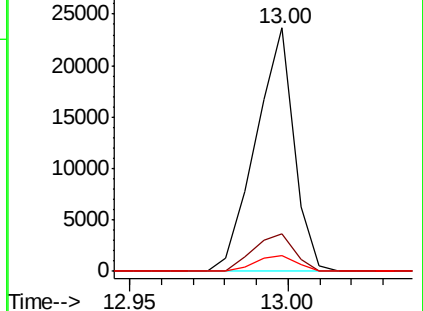
183 6.5 9.9 14.9#



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: 74.768 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.01 min

Lab File: BF118257.D

Acq: 18 Dec 2019 14:24

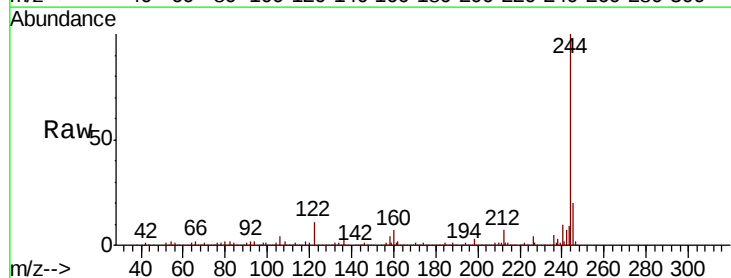
Tgt Ion:244 Resp: 1469266

Ion Ratio Lower Upper

244 100

212 7.2 5.9 8.9

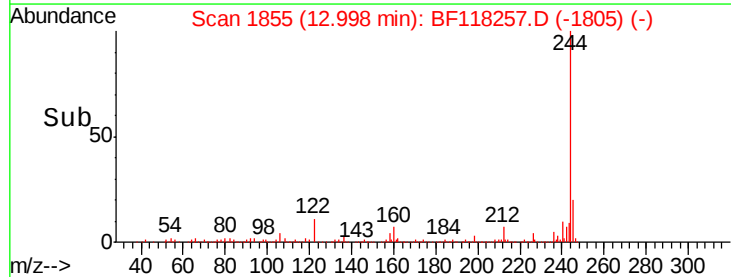
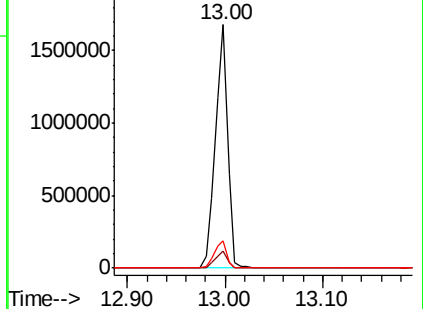
122 11.1 9.0 13.6

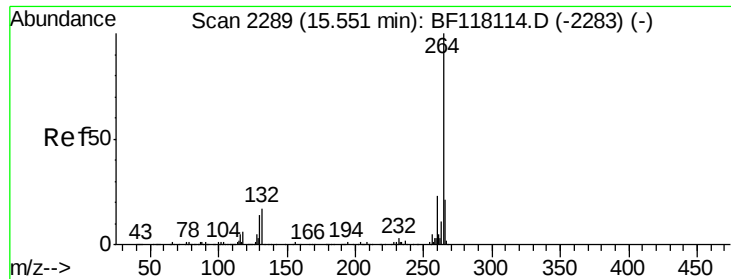


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

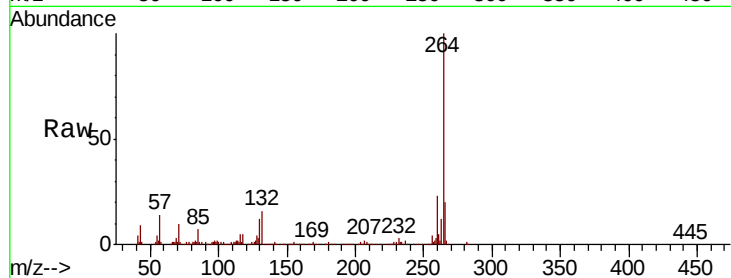




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.55 min Scan# 2289
Delta R.T. 0.00 min
Lab File: BF118257.D
Acq: 18 Dec 2019 14:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.8	18.6	28.0
265	19.8	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

