

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121819\
 Data File : BF118263.D
 Acq On : 18 Dec 2019 17:13
 Operator : JU
 Sample : K6330-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 19 03:09:11 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

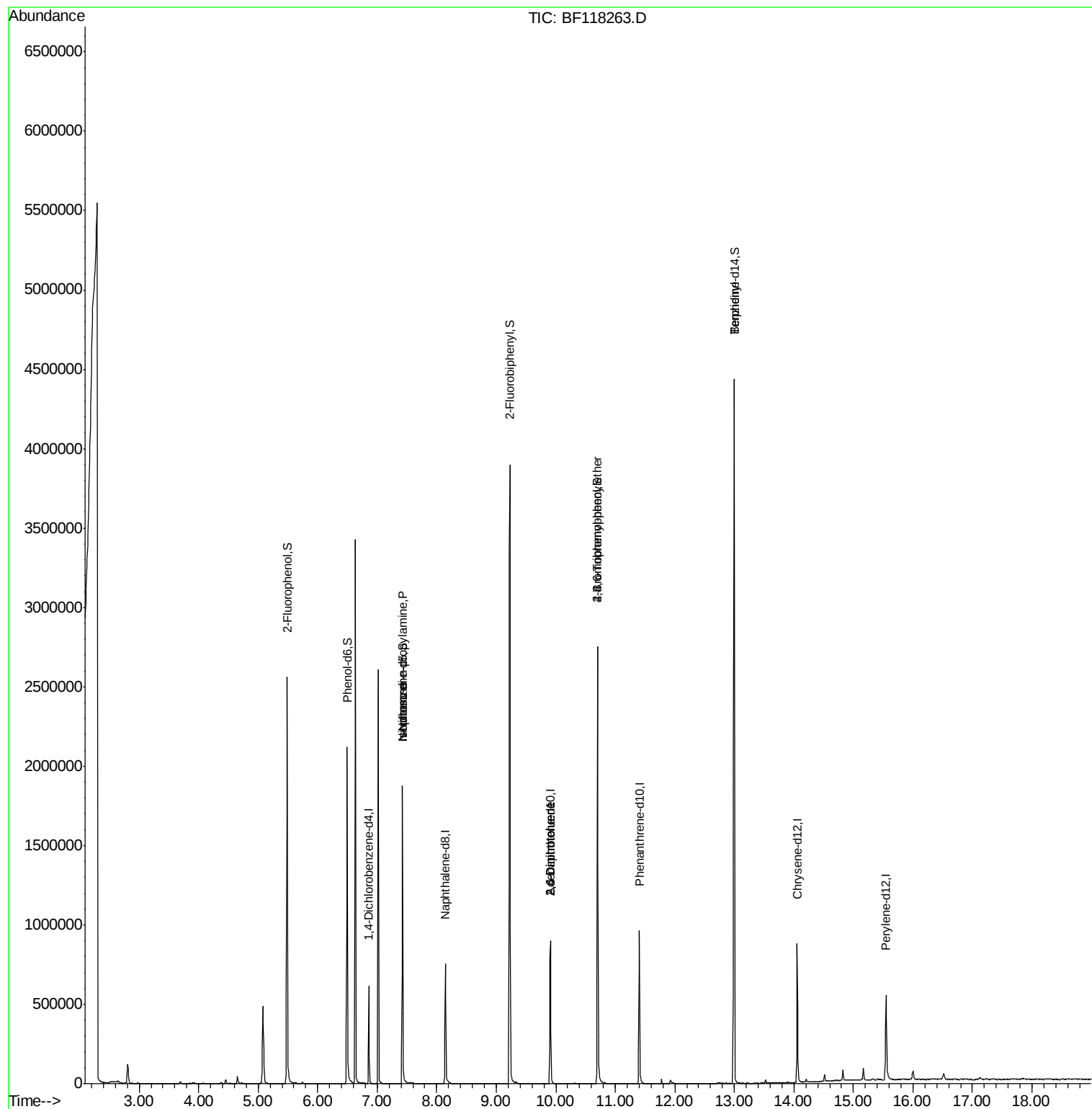
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	98668	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	380599	20.00	ng	-0.01
39) Acenaphthene-d10	9.91	164	203642	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	397605	20.00	ng	0.00
76) Chrysene-d12	14.06	240	300797	20.00	ng	-0.01
87) Perylene-d12	15.55	264	284243	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	732698	130.06	ng	0.00
7) Phenol-d6	6.50	99	836769	122.80	ng	0.00
23) Nitrobenzene-d5	7.43	82	602674	89.08	ng	-0.01
42) 2,4,6-Tribromophenol	10.70	330	360631	145.78	ng	-0.01
45) 2-Fluorobiphenyl	9.23	172	1239557	92.62	ng	-0.01
79) Terphenyl-d14	13.00	244	1603869	91.69	ng	0.00
Target Compounds						
9) Benzaldehyde	6.50	77	1042	Below Cal	Qvalue	# 1
19) n-Nitroso-di-n-propylamine	7.43	70	82548	19.937 ng	#	75
25) Isophorone	7.43	82	602670	52.550 ng	#	62
51) 2,6-Dinitrotoluene	9.91	165	25592	7.824 ng	#	28
57) 2,4-Dinitrotoluene	9.91	165	25592	5.862 ng	#	26
67) 4-Bromophenyl-phenylether	10.70	248	22558	4.970 ng	#	1
77) Benizidine	13.00	184	21770	2.749 ng	#	92

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

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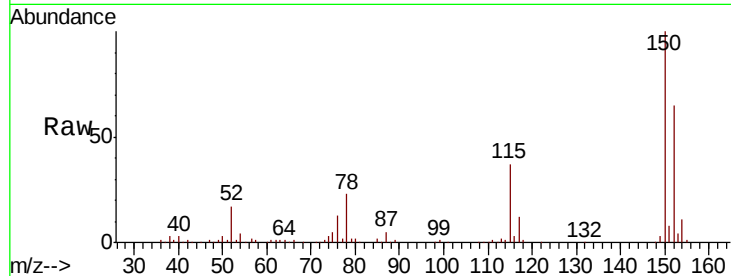


#1

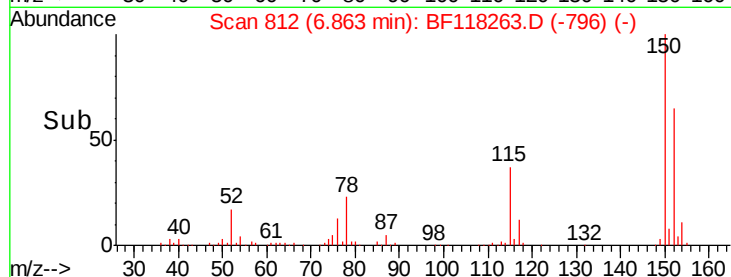
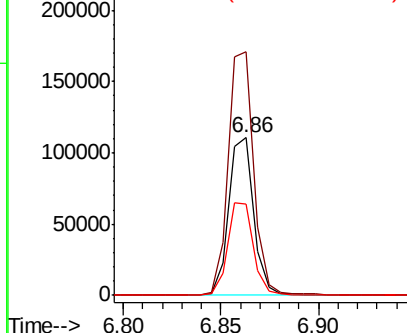
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF118263.D
Acq: 18 Dec 2019 17:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 98668
Ion Ratio Lower Upper
152 100
150 154.5 128.3 192.5
115 57.6 51.1 76.7



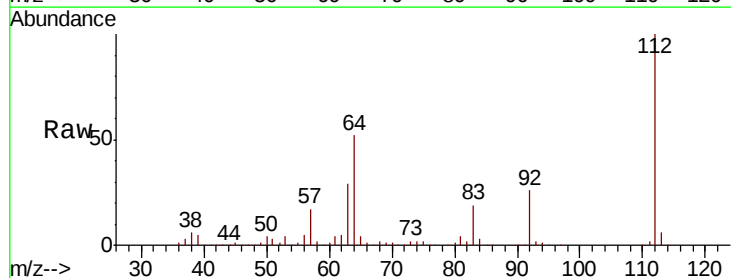
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



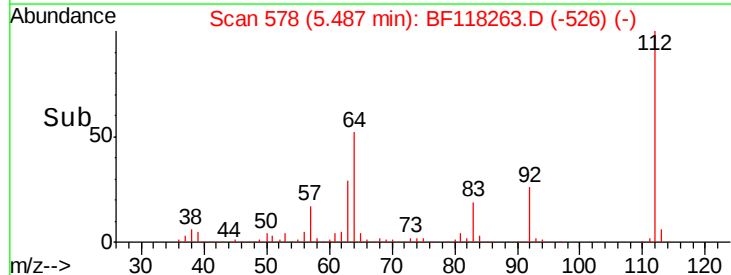
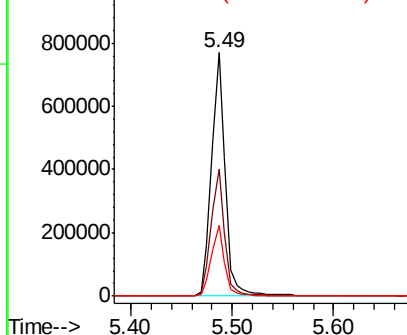
#5

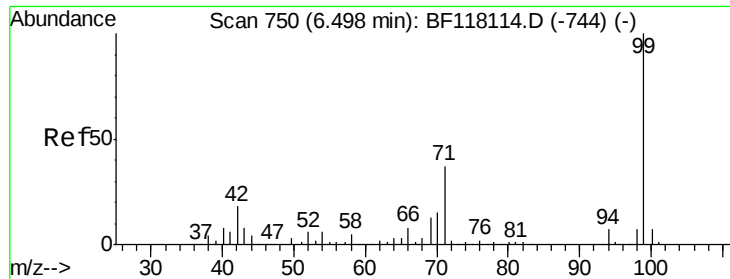
2-Fluorophenol
Concen: 130.062 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.01 min
Lab File: BF118263.D
Acq: 18 Dec 2019 17:13

Tgt Ion:112 Resp: 732698
Ion Ratio Lower Upper
112 100
64 52.4 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: 122.804 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.00 min

Lab File: BF118263.D

Acq: 18 Dec 2019 17:13

Instrument :

BNA_F

ClientSampled :

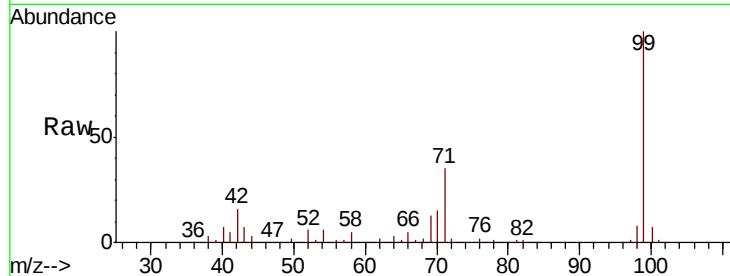
Tot Ion: 99 Resp: 836769

Ion Ratio Lower Upper

99 100

42 15.9 14.1 21.1

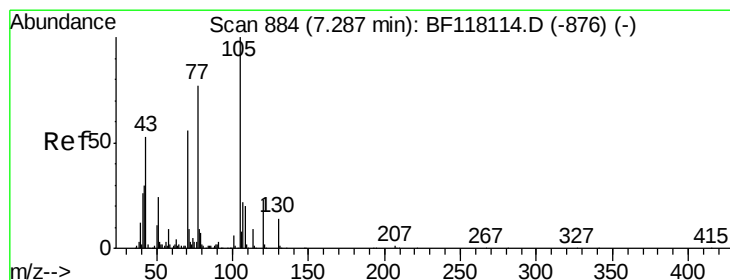
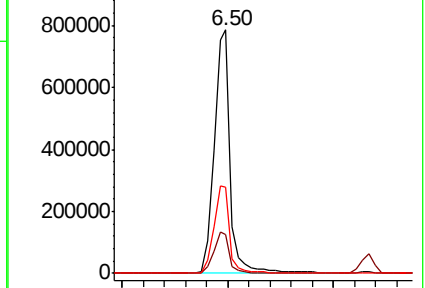
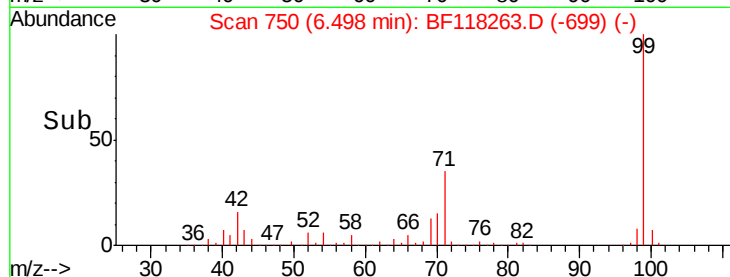
71 35.4 29.7 44.5



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: 19.937 ng

RT: 7.43 min Scan# 908

Delta R.T. 0.14 min

Lab File: BF118263.D

Acq: 18 Dec 2019 17:13

Tgt Ion: 70 Resp: 82548

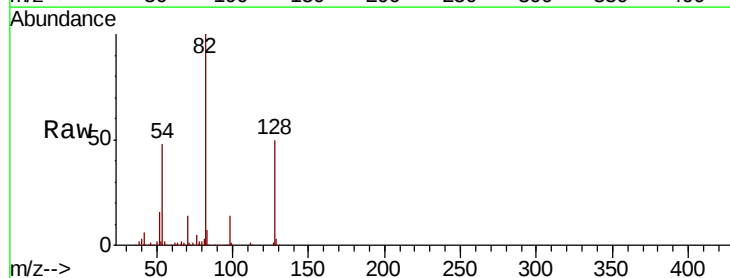
Ion Ratio Lower Upper

70 100

42 43.2 43.2 64.8

101 0.0 8.1 12.1#

130 2.1 19.8 29.8#

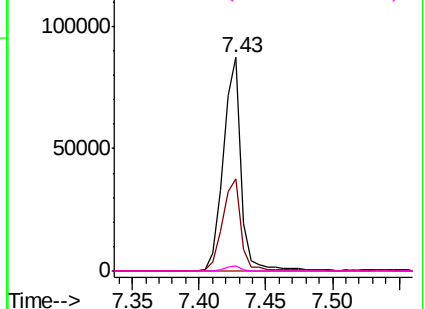
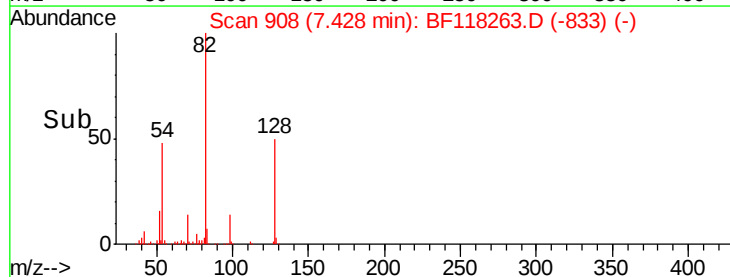


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

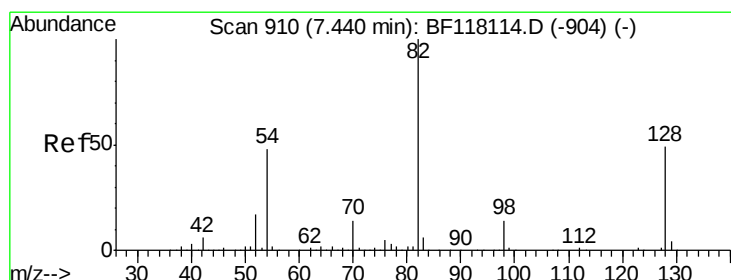
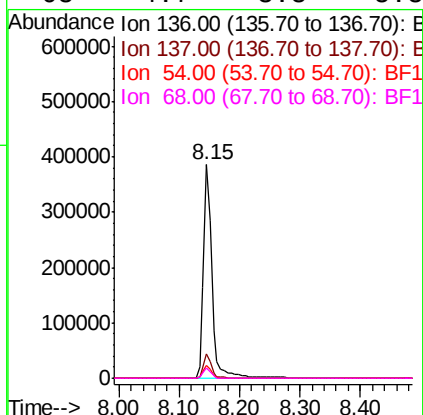
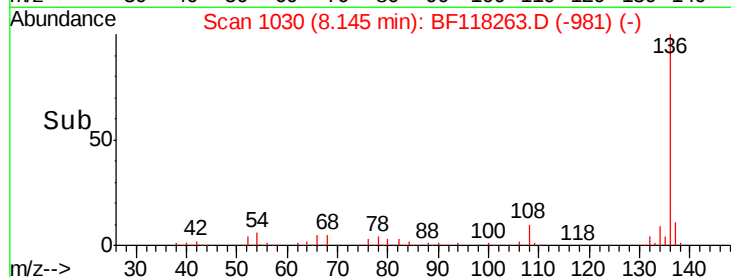
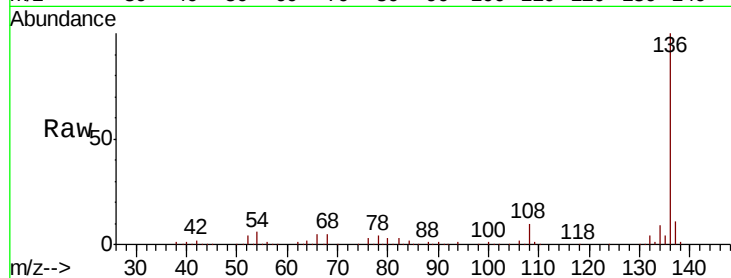




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF118263.D
Acq: 18 Dec 2019 17:13

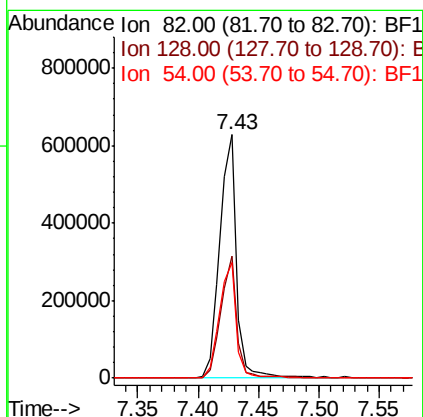
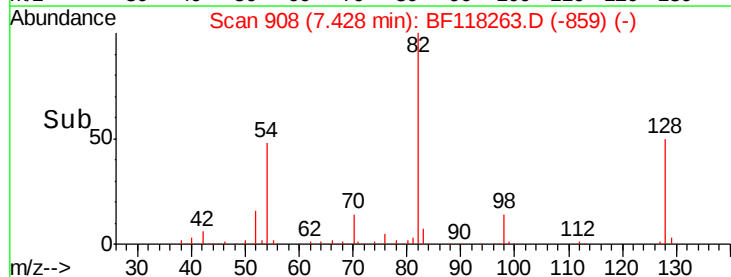
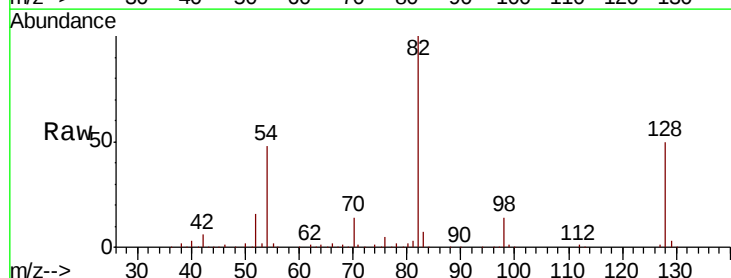
Instrument :
BNA_F
ClientSampled :

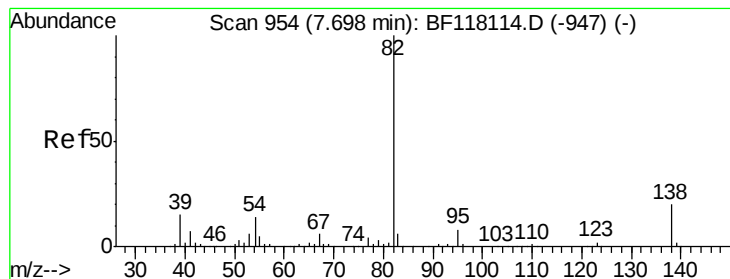
Tot Ion:136	Resp:	380599
Ion Ratio	Lower	Upper
136	100	
137	11.1	9.0 13.6
54	6.2	5.0 7.6
68	4.7	3.8 5.8



#23
Nitrobenzene-d5
Concen: 89.084 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF118263.D
Acq: 18 Dec 2019 17:13

Tgt Ion: 82	Resp:	602674
Ion Ratio	Lower	Upper
82	100	
128	50.2	39.1 58.7
54	47.5	38.2 57.2





#25

Isophorone

Concen: 52.550 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.27 min

Lab File: BF118263.D

Acq: 18 Dec 2019 17:13

Instrument :

BNA_F

ClientSampleId :

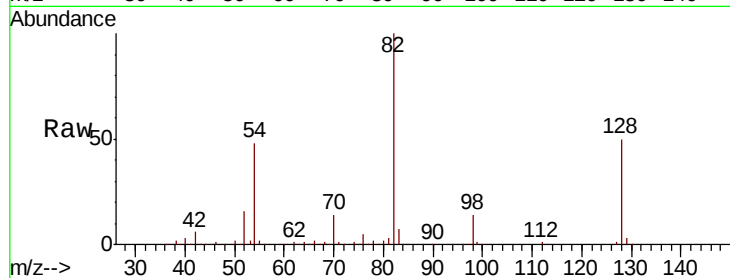
Tot Ion: 82 Resp: 602670

Ion Ratio Lower Upper

82 100

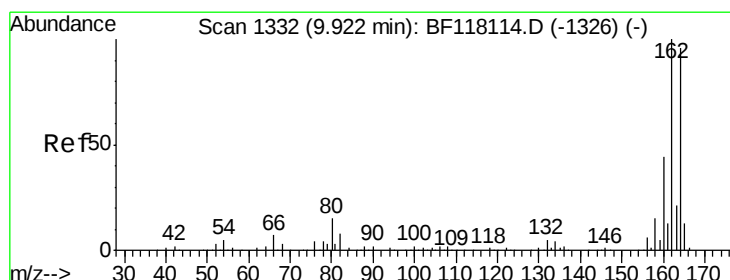
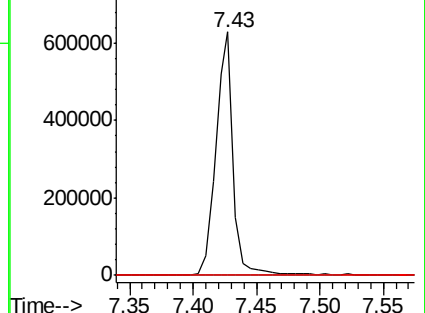
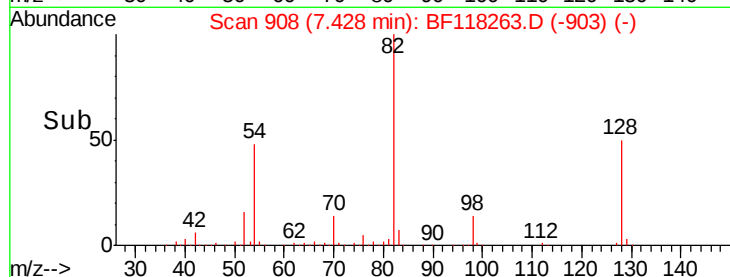
95 0.0 6.3 9.5#

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

7.43



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.01 min

Lab File: BF118263.D

Acq: 18 Dec 2019 17:13

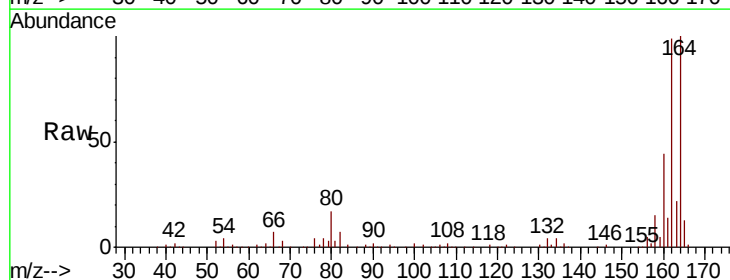
Tgt Ion: 164 Resp: 203642

Ion Ratio Lower Upper

164 100

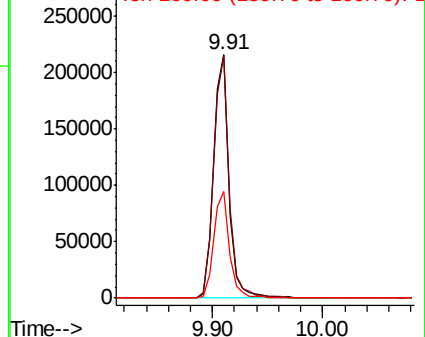
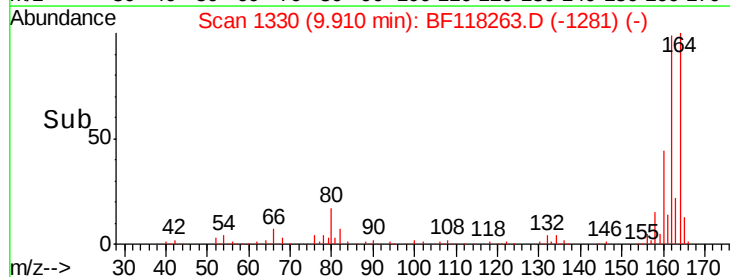
162 99.3 83.4 125.0

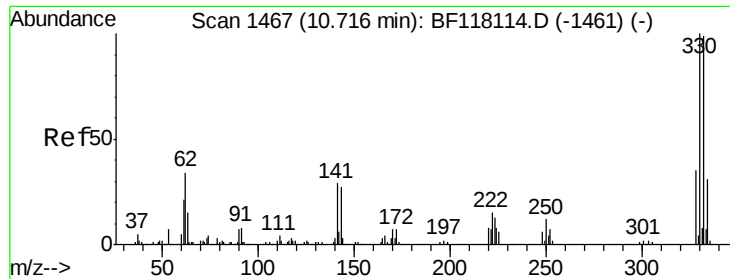
160 43.7 36.6 54.8



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

9.91

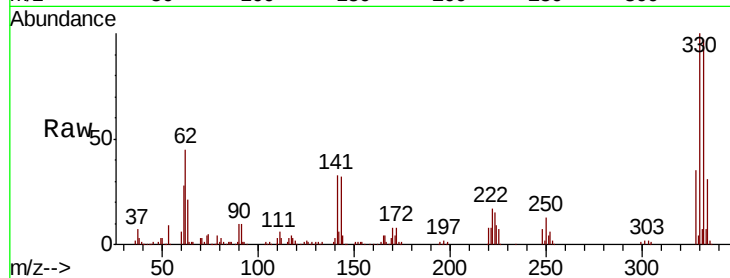




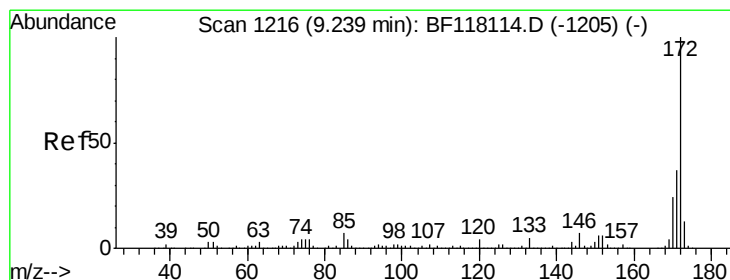
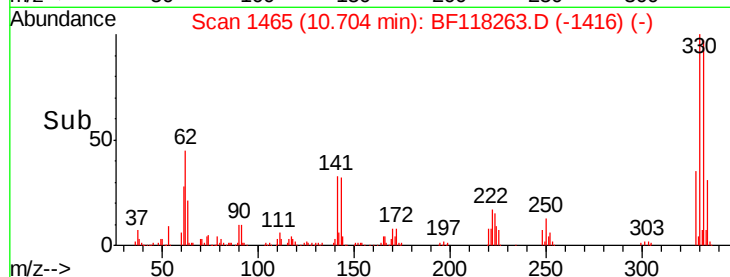
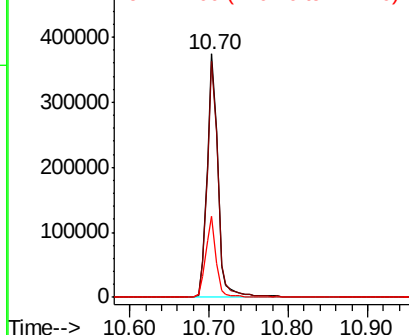
#42
 2,4,6-Tribromophenol
 Concen: 145.776 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF118263.D
 Acq: 18 Dec 2019 17:13

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 360631
 Ion Ratio Lower Upper
 330 100
 332 97.7 78.1 117.1
 141 32.4 26.9 40.3

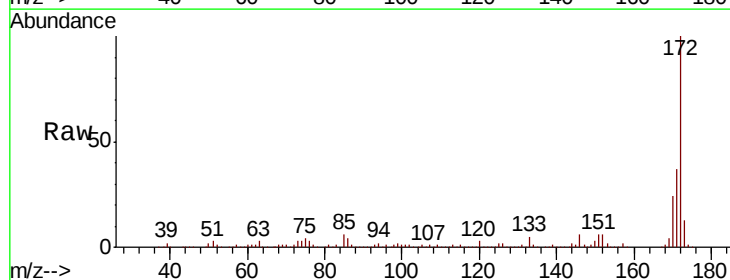


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

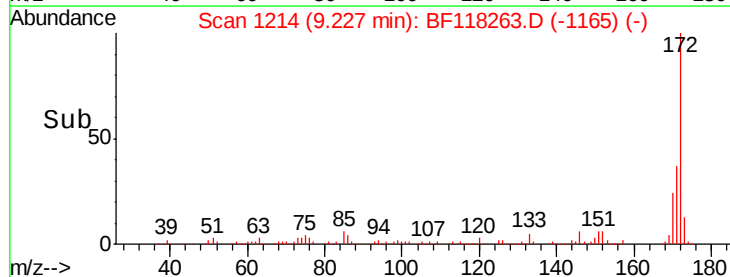
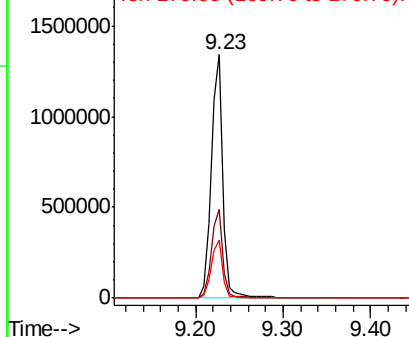


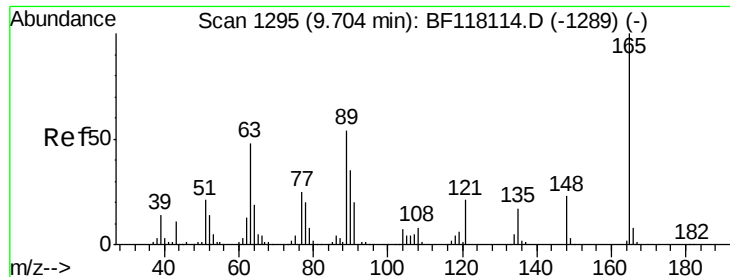
#45
 2-Fluorobiphenyl
 Concen: 92.622 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF118263.D
 Acq: 18 Dec 2019 17:13

Tgt Ion:172 Resp: 1239557
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.2 43.8
 170 23.8 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

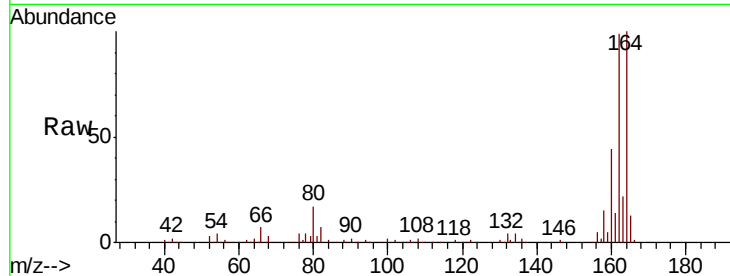




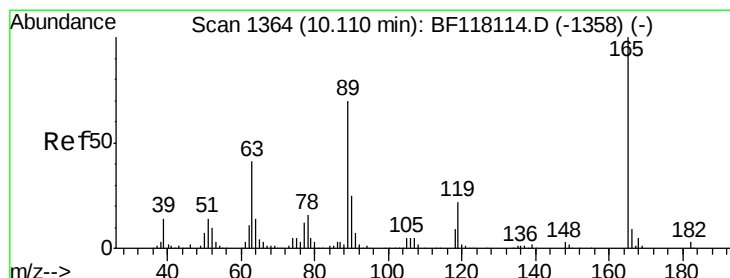
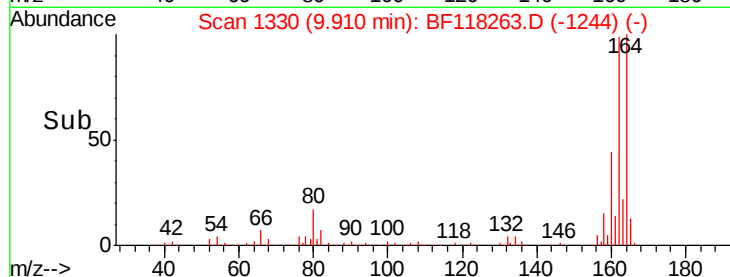
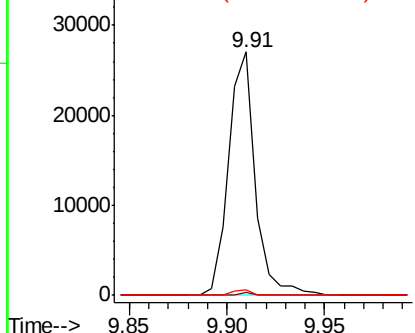
#51
 2,6-Dinitrotoluene
 Concen: 7.824 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. 0.21 min
 Lab File: BF118263.D
 Acq: 18 Dec 2019 17:13

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	41.4	62.0#
89	2.2	42.9	64.3#

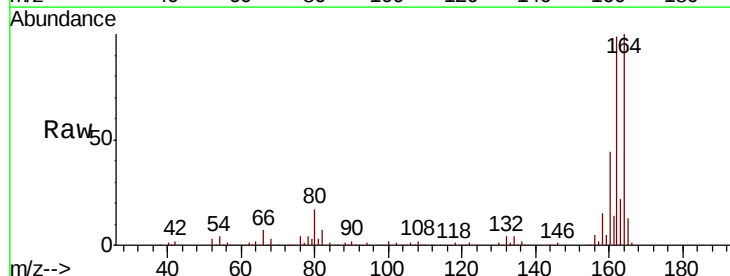


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

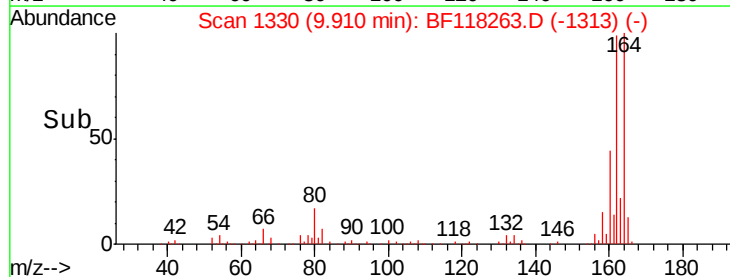
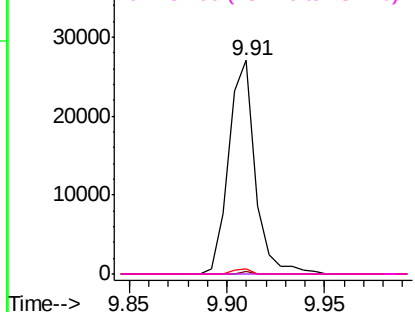


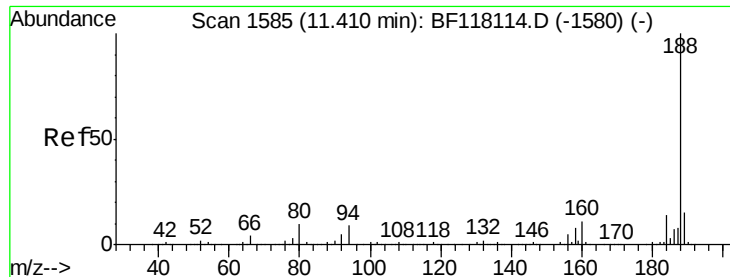
#57
 2,4-Dinitrotoluene
 Concen: 5.862 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.20 min
 Lab File: BF118263.D
 Acq: 18 Dec 2019 17:13

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	32.6	49.0#
89	2.2	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

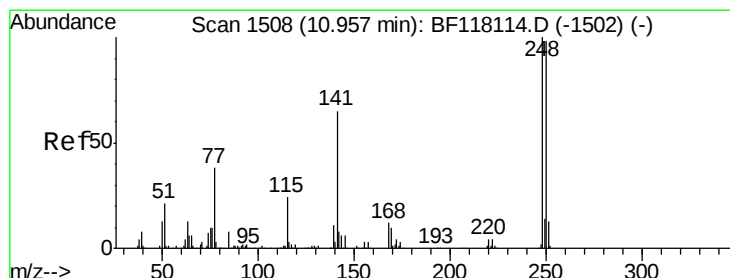
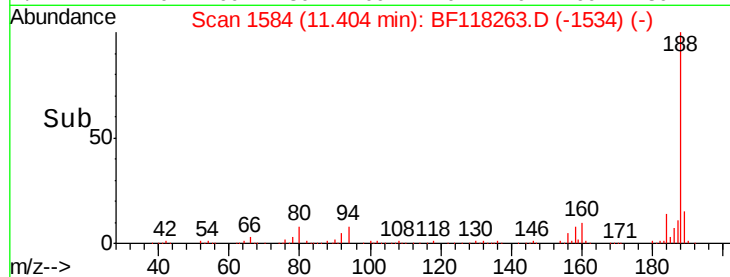
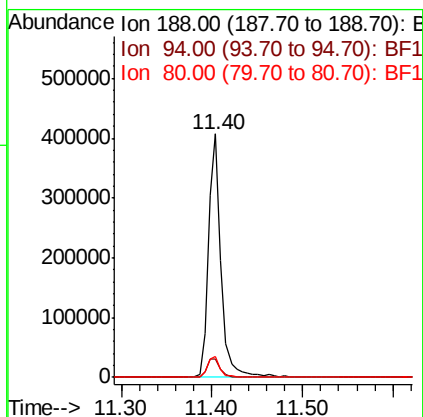
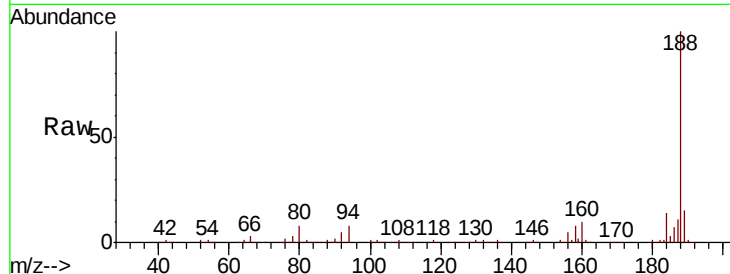




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF118263.D
 Acq: 18 Dec 2019 17:13

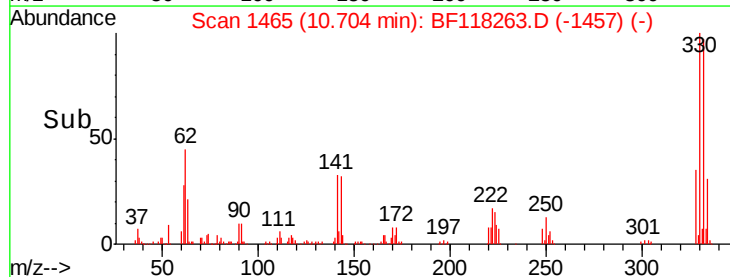
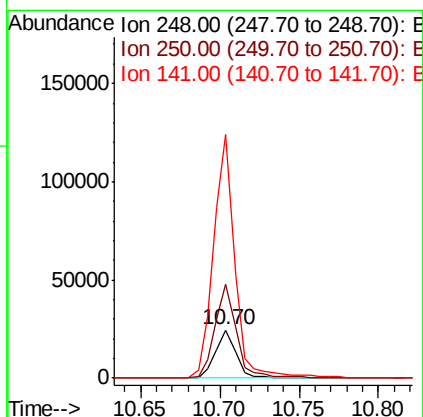
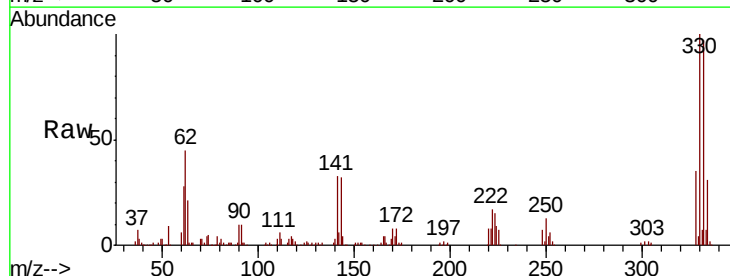
Instrument :
 BNA_F
 ClientSampleId :

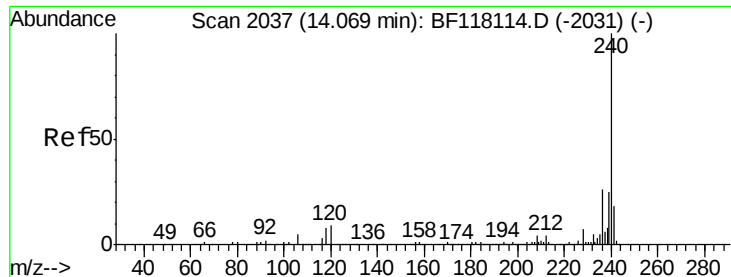
Tot Ion:188 Resp: 397605
 Ion Ratio Lower Upper
 188 100
 94 7.7 7.1 10.7
 80 8.3 7.9 11.9



#67
 4-Bromophenyl-phenylether
 Concen: 4.970 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.25 min
 Lab File: BF118263.D
 Acq: 18 Dec 2019 17:13

Tgt Ion:248 Resp: 22558
 Ion Ratio Lower Upper
 248 100
 250 195.9 78.3 117.5#
 141 508.6 52.2 78.4#

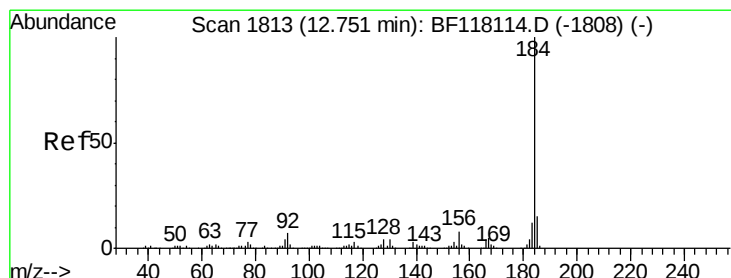
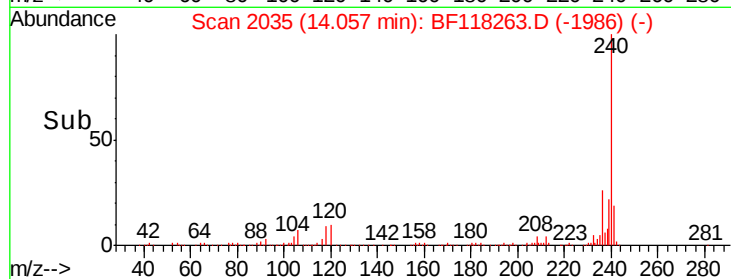
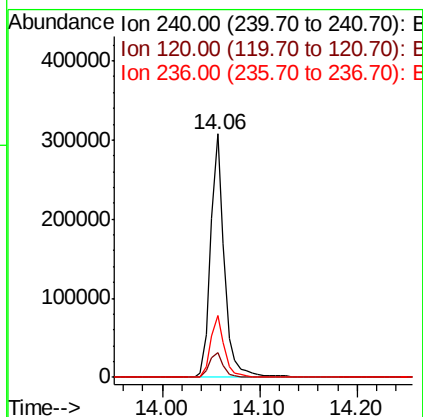
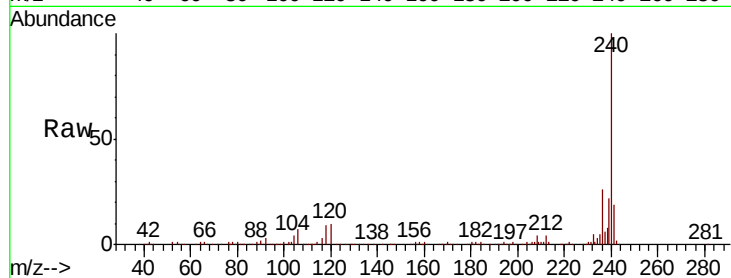




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.06 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: BF118263.D
 Acq: 18 Dec 2019 17:13

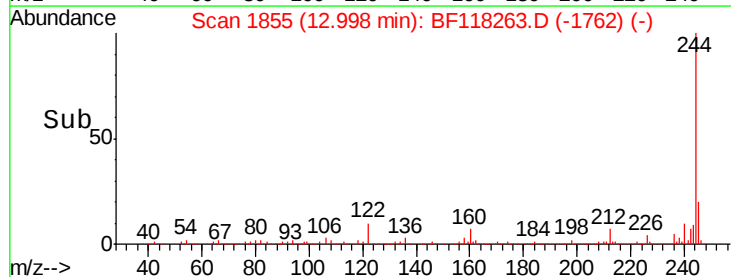
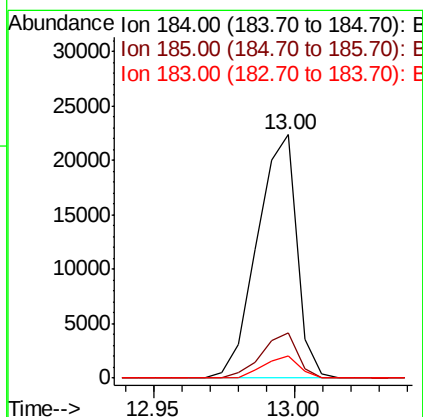
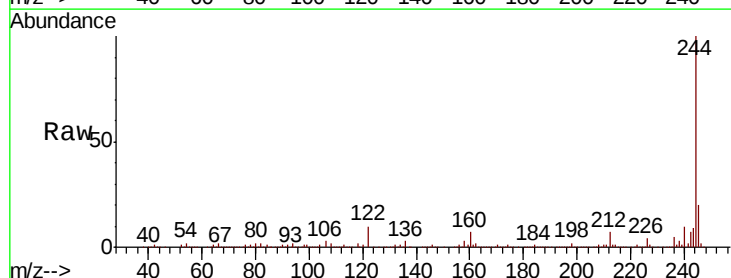
Instrument :
 BNA_F
 ClientSampleId :

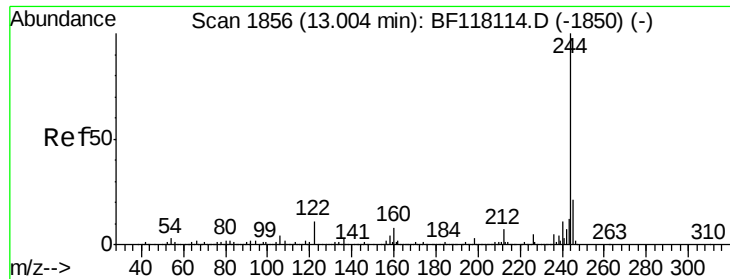
Tot Ion:240 Resp: 300797
 Ion Ratio Lower Upper
 240 100
 120 10.2 7.1 10.7
 236 25.5 21.0 31.6



#77
 Benzidine
 Concen: 2.749 ng
 RT: 13.00 min Scan# 1855
 Delta R.T. 0.25 min
 Lab File: BF118263.D
 Acq: 18 Dec 2019 17:13

Tgt Ion:184 Resp: 21770
 Ion Ratio Lower Upper
 184 100
 185 18.4 12.3 18.5
 183 9.2 9.9 14.9#





#79

Terphenyl-d14

Concen: 91.692 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.01 min

Lab File: BF118263.D

Acq: 18 Dec 2019 17:13

Instrument :

BNA_F

ClientSampleId :

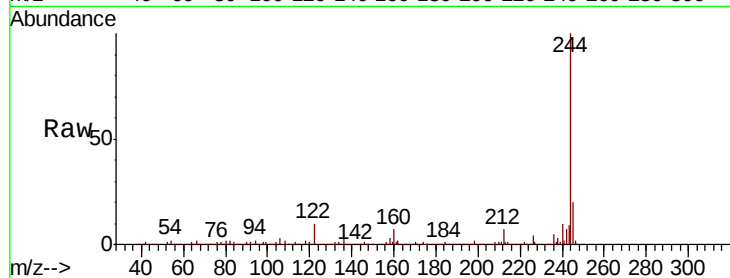
Tot Ion:244 Resp: 1603869

Ion Ratio Lower Upper

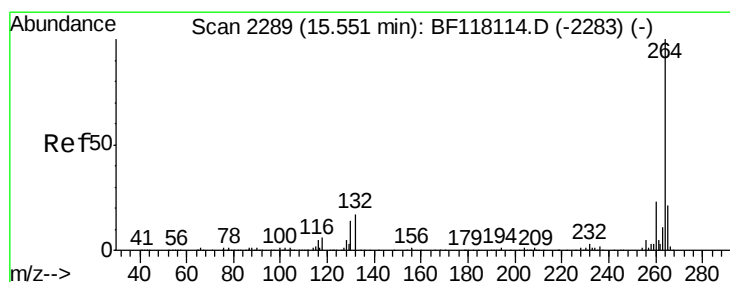
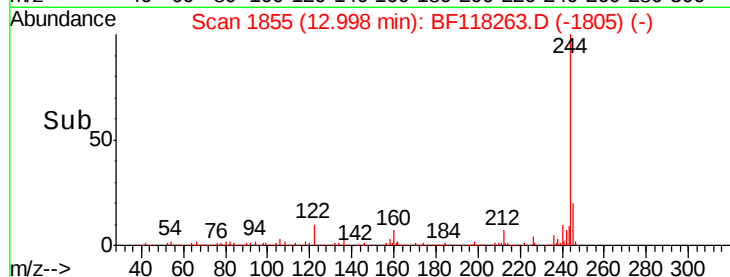
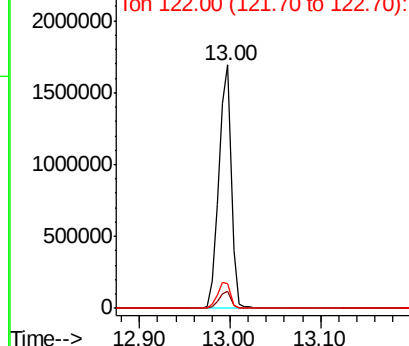
244 100

212 7.0 5.9 8.9

122 10.2 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

Perylene-d12

Concen: 20.000 ng

RT: 15.55 min Scan# 2289

Delta R.T. -0.00 min

Lab File: BF118263.D

Acq: 18 Dec 2019 17:13

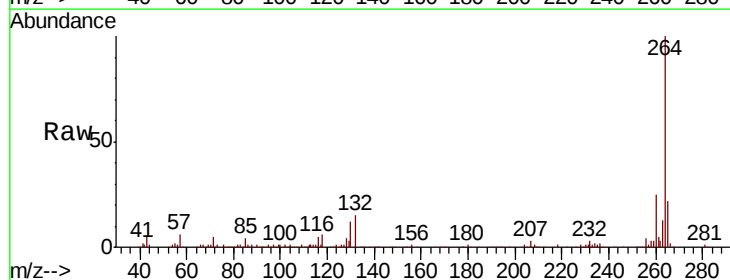
Tgt Ion:264 Resp: 284243

Ion Ratio Lower Upper

264 100

260 24.6 18.6 28.0

265 22.2 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

