

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121819\
 Data File : BF118262.D
 Acq On : 18 Dec 2019 16:45
 Operator : JU
 Sample : K6330-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 19 03:09:03 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

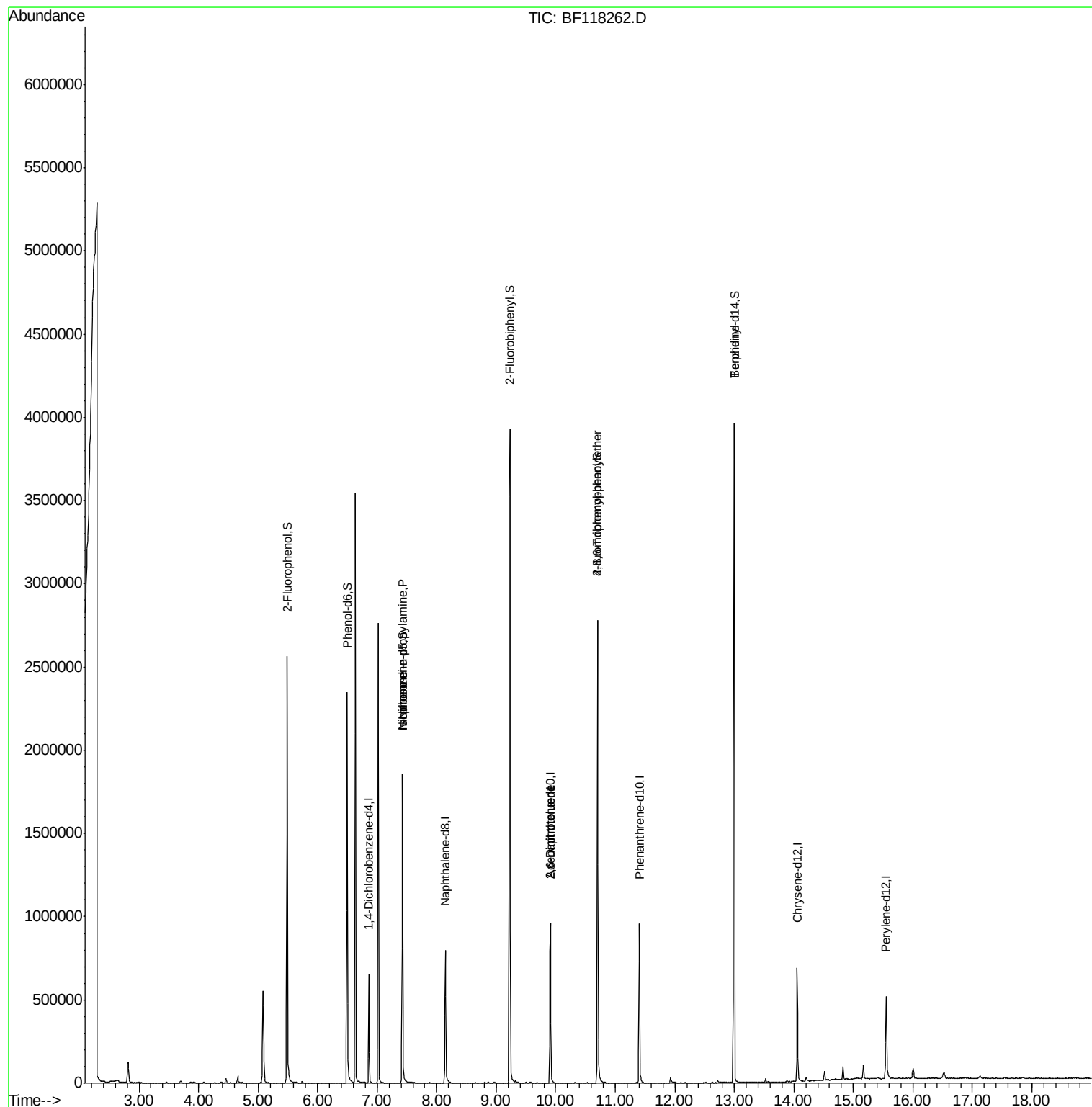
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	101935	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	398135	20.00	ng	-0.01
39) Acenaphthene-d10	9.91	164	210595	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	390217	20.00	ng	0.00
76) Chrysene-d12	14.06	240	249238	20.00	ng	-0.01
87) Perylene-d12	15.55	264	236738	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	756757	130.03	ng	0.00
7) Phenol-d6	6.50	99	857307	121.79	ng	0.00
23) Nitrobenzene-d5	7.43	82	632672	89.40	ng	-0.01
42) 2,4,6-Tribromophenol	10.70	330	359548	140.54	ng	-0.01
45) 2-Fluorobiphenyl	9.23	172	1290206	93.22	ng	-0.01
79) Terphenyl-d14	13.00	244	1465489	101.11	ng	0.00
Target Compounds						
9) Benzaldehyde	6.50	77	1219	Below Cal	Qvalue	# 1
19) n-Nitroso-di-n-propylamine	7.43	70	87880	20.544 ng	#	76
25) Isophorone	7.43	82	632667	52.736 ng	#	62
51) 2,6-Dinitrotoluene	9.91	165	26088	7.713 ng	#	28
57) 2,4-Dinitrotoluene	9.91	165	26088	5.779 ng	#	26
67) 4-Bromophenyl-phenylether	10.70	248	22042	4.948 ng	#	1
77) Benizidine	13.00	184	19292	2.940 ng	#	91

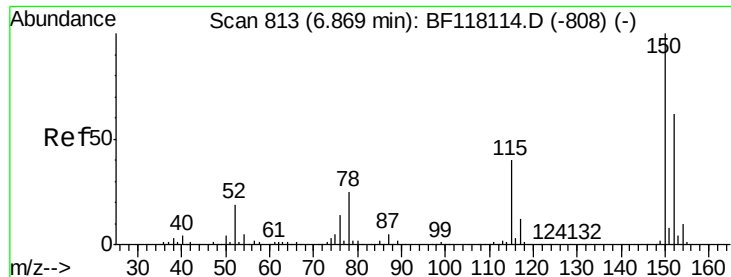
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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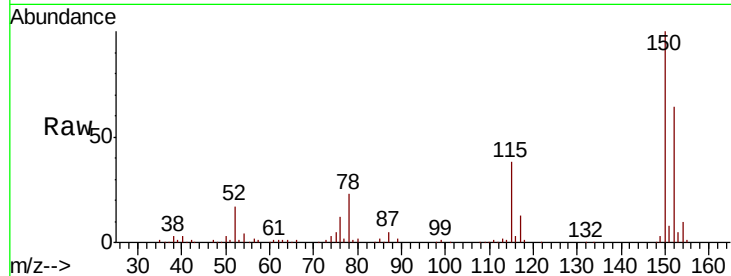


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF118262.D
Acq: 18 Dec 2019 16:45

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.8	128.3	192.5
115	58.5	51.1	76.7

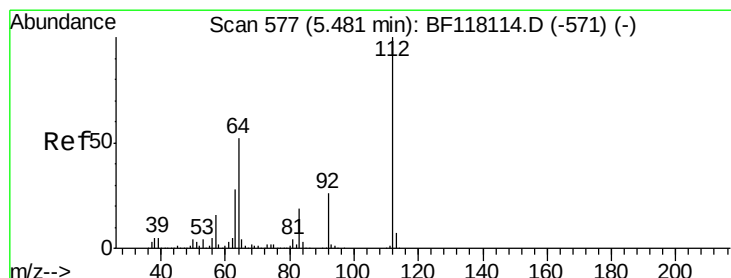
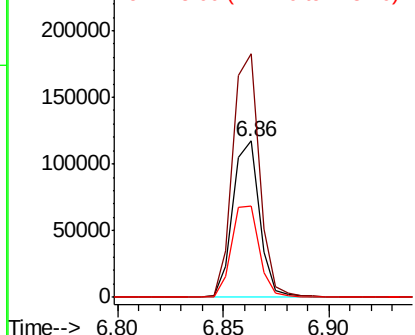
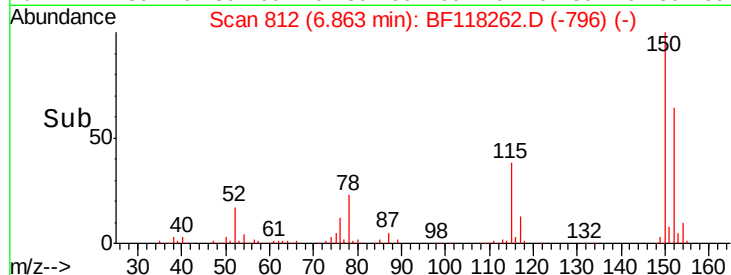


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

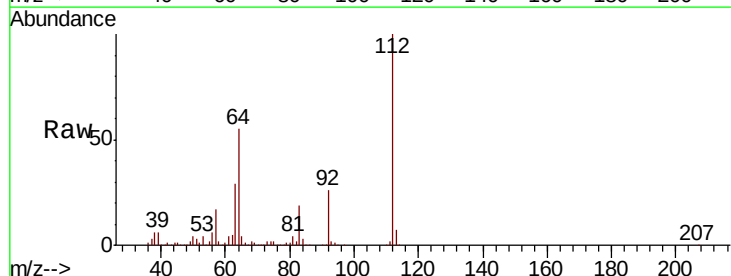
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 130.027 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.01 min
Lab File: BF118262.D
Acq: 18 Dec 2019 16:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.5	41.3	61.9
63	29.4	22.4	33.6

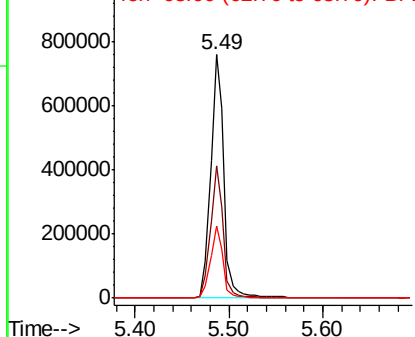
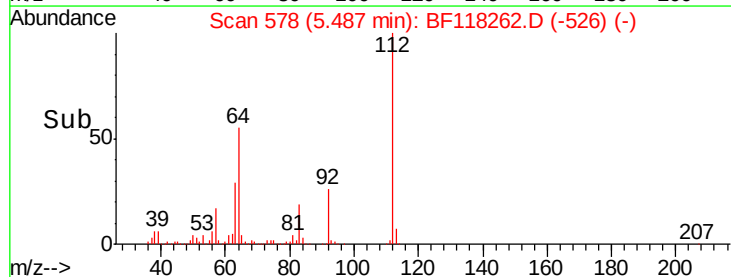


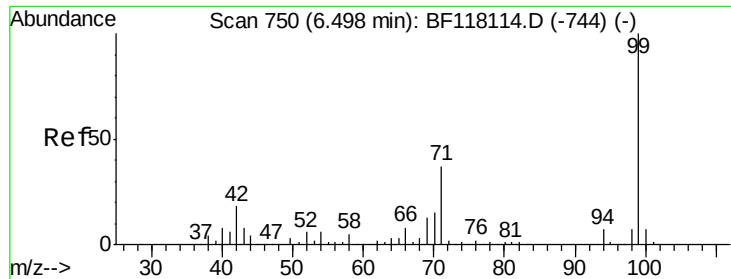
Abundance

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: 121.786 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.00 min

Lab File: BF118262.D

Acq: 18 Dec 2019 16:45

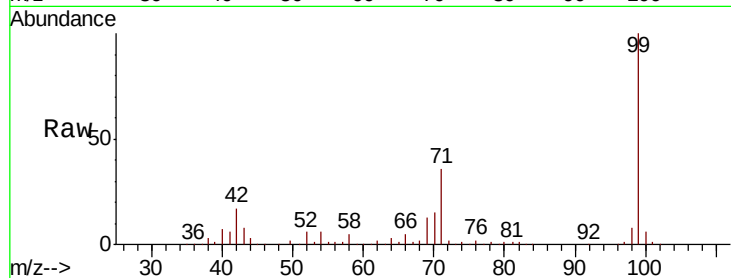
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 857307

Ion	Ratio	Lower	Upper
99	100		
42	16.7	14.1	21.1
71	35.6	29.7	44.5

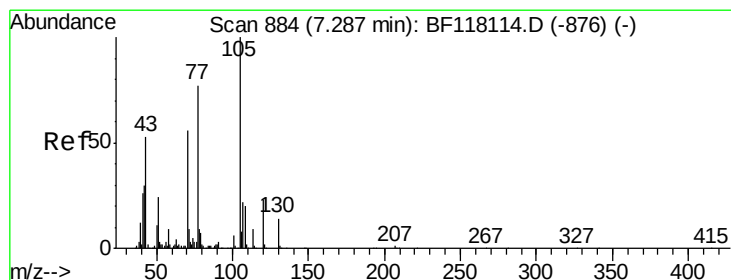
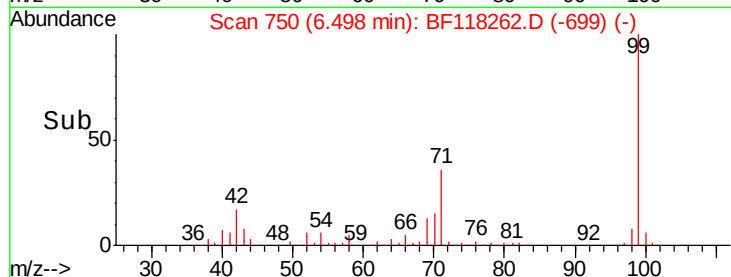
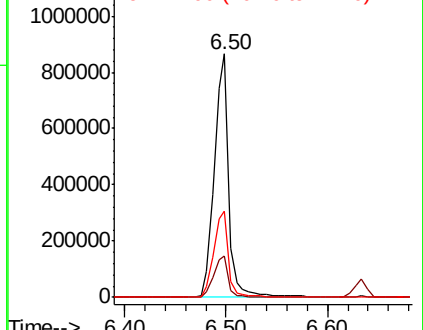


Abundance

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: 20.544 ng

RT: 7.43 min Scan# 908

Delta R.T. 0.14 min

Lab File: BF118262.D

Acq: 18 Dec 2019 16:45

Tgt Ion: 70 Resp: 87880

Ion	Ratio	Lower	Upper
70	100		
42	44.2	43.2	64.8
101	0.0	8.1	12.1#
130	2.2	19.8	29.8#

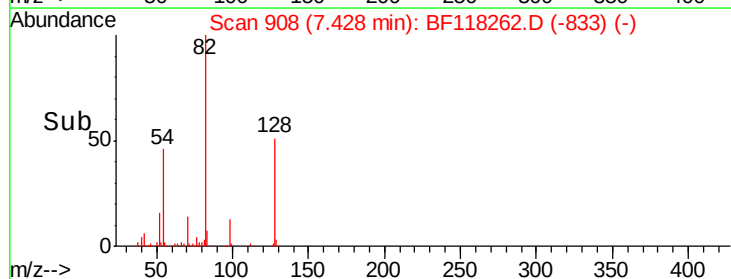
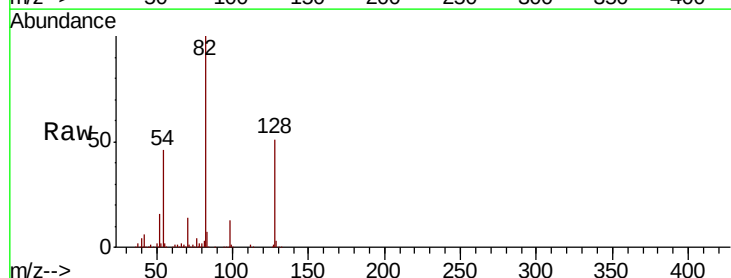
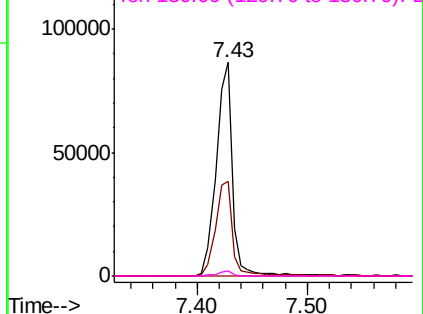
Abundance

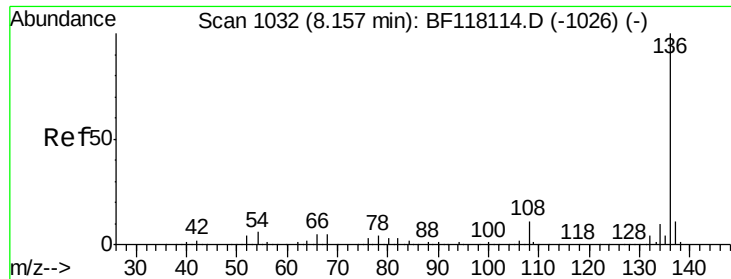
Ion 70.00 (69.70 to 70.70): BF1

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

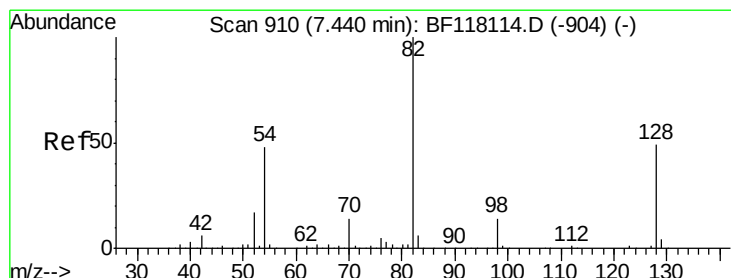
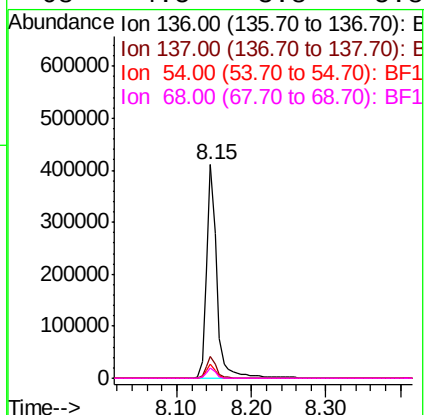
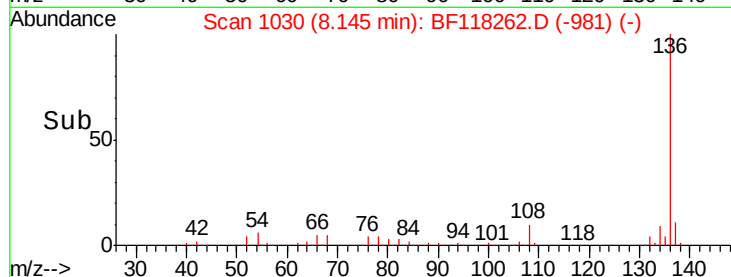
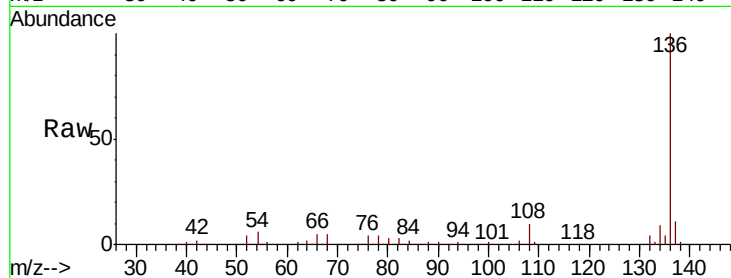




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF118262.D
Acq: 18 Dec 2019 16:45

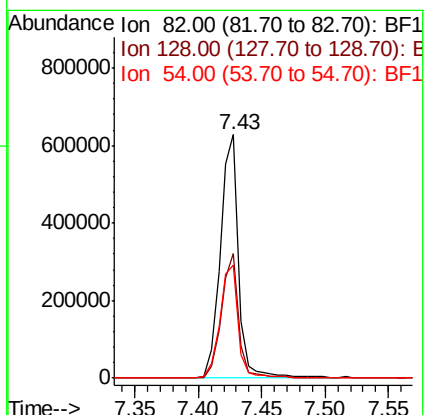
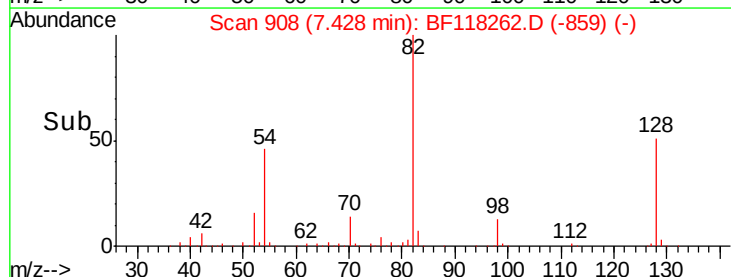
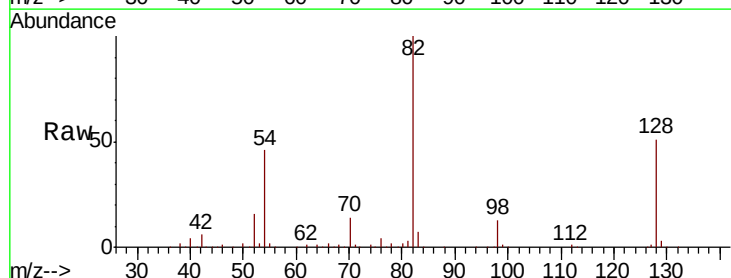
Instrument :
BNA_F
ClientSampleId :

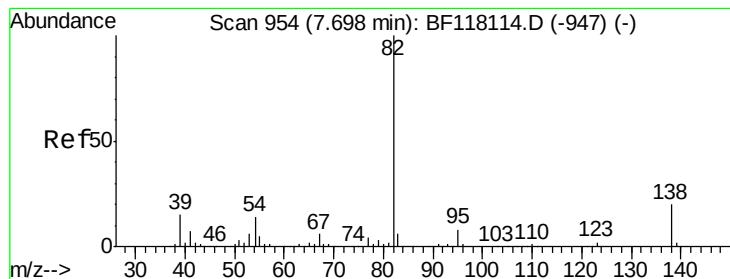
Tot Ion:136	Resp:	398135
Ion Ratio	Lower	Upper
136	100	
137	10.5	9.0 13.6
54	6.3	5.0 7.6
68	4.5	3.8 5.8



#23
Nitrobenzene-d5
Concen: 89.399 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF118262.D
Acq: 18 Dec 2019 16:45

Tgt Ion: 82	Resp:	632672
Ion Ratio	Lower	Upper
82	100	
128	50.9	39.1 58.7
54	46.3	38.2 57.2





#25

Isophorone

Concen: 52.736 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.27 min

Lab File: BF118262.D

Acq: 18 Dec 2019 16:45

Instrument :

BNA_F

ClientSampled :

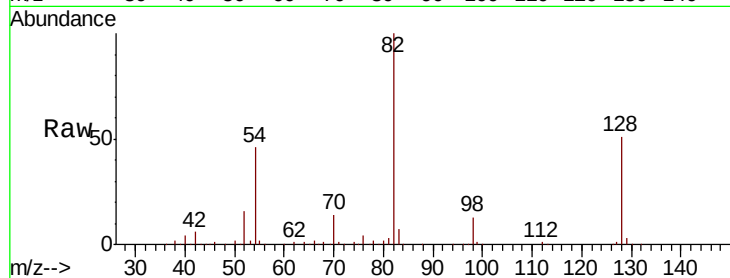
Tot Ion: 82 Resp: 632667

Ion Ratio Lower Upper

82 100

95 0.0 6.3 9.5#

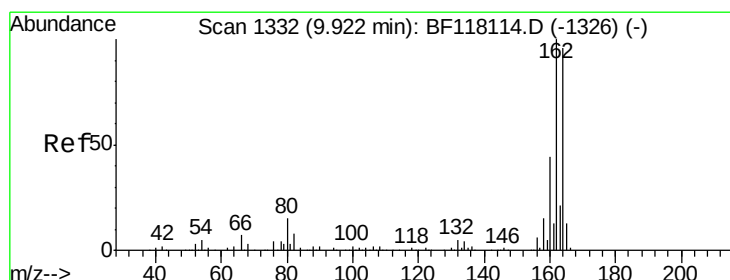
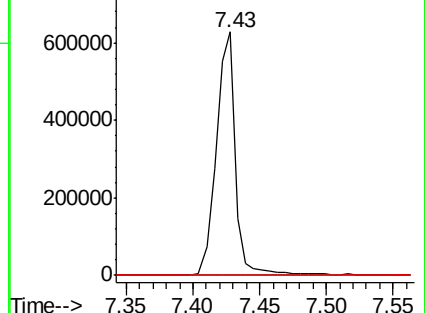
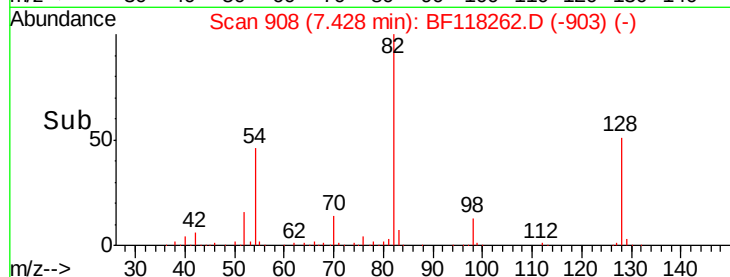
138 0.0 16.3 24.5#



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: BF118262.D

Acq: 18 Dec 2019 16:45

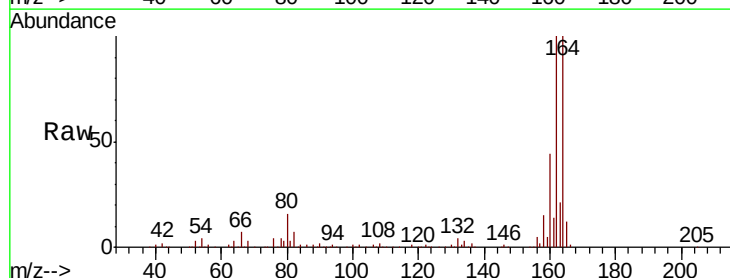
Tgt Ion: 164 Resp: 210595

Ion Ratio Lower Upper

164 100

162 100.1 83.4 125.0

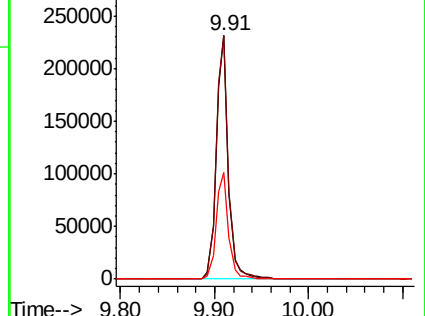
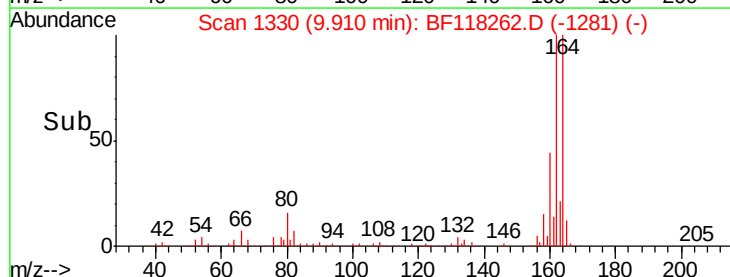
160 44.0 36.6 54.8

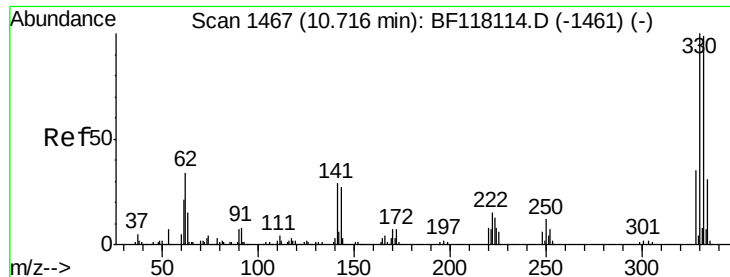


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

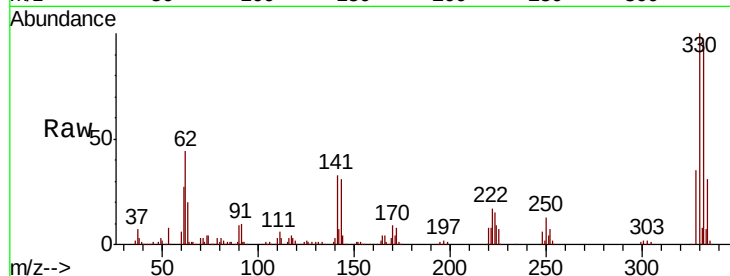




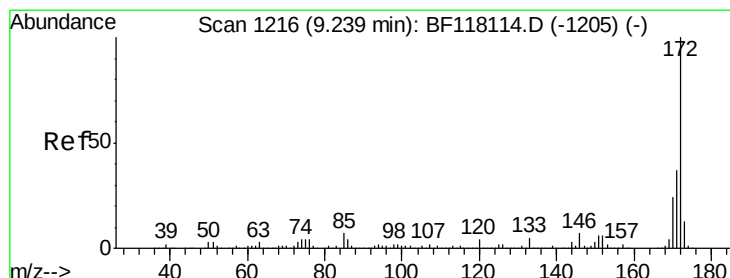
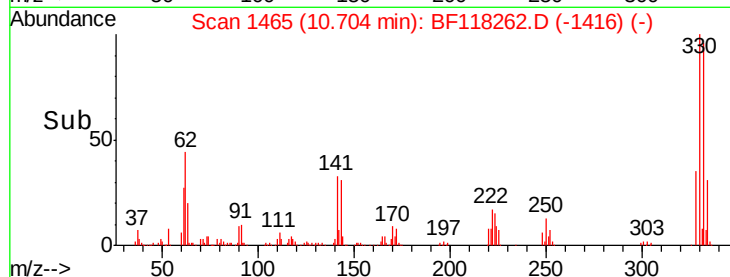
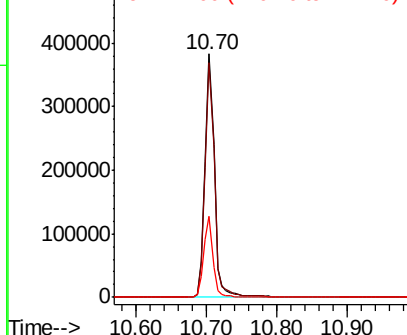
#42
 2,4,6-Tribromophenol
 Concen: 140.539 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF118262.D
 Acq: 18 Dec 2019 16:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 359548
 Ion Ratio Lower Upper
 330 100
 332 96.8 78.1 117.1
 141 32.5 26.9 40.3

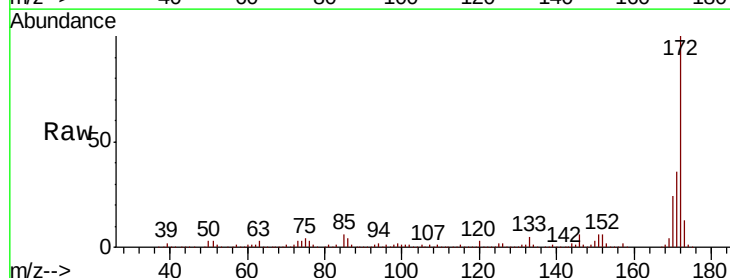


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

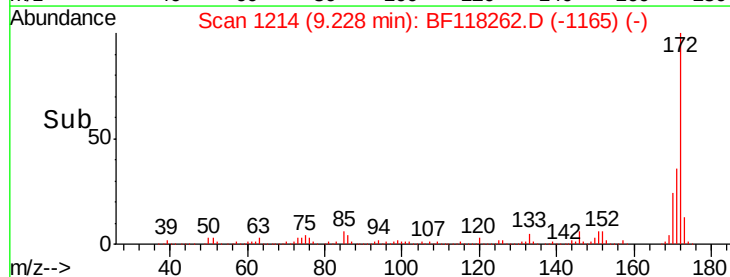
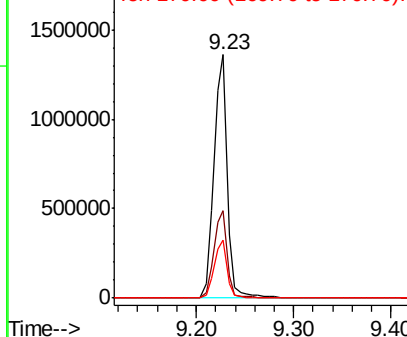


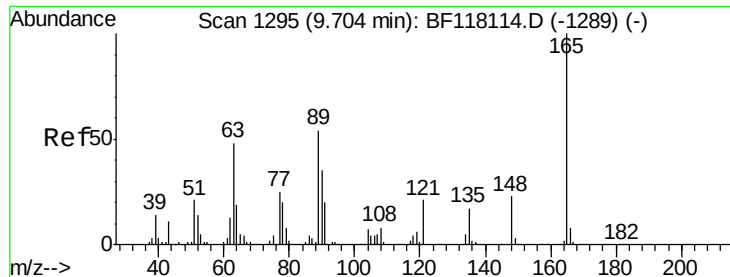
#45
 2-Fluorobiphenyl
 Concen: 93.223 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF118262.D
 Acq: 18 Dec 2019 16:45

Tgt Ion:172 Resp: 1290206
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.2 43.8
 170 23.6 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: 7.713 ng

RT: 9.91 min Scan# 1330

Delta R.T. 0.21 min

Lab File: BF118262.D

Acq: 18 Dec 2019 16:45

Instrument :

BNA_F

ClientSampleId :

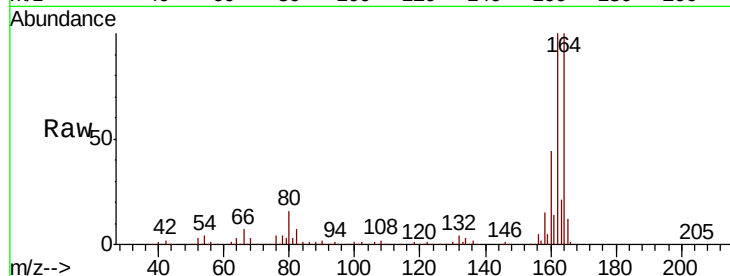
Tot Ion:165 Resp: 26088

Ion Ratio Lower Upper

165 100

63 1.4 41.4 62.0#

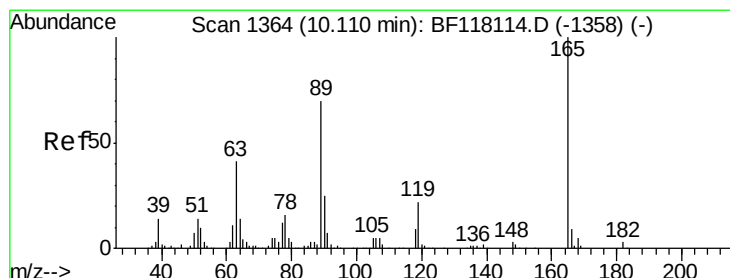
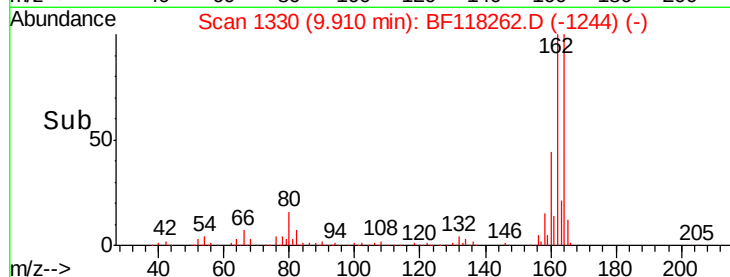
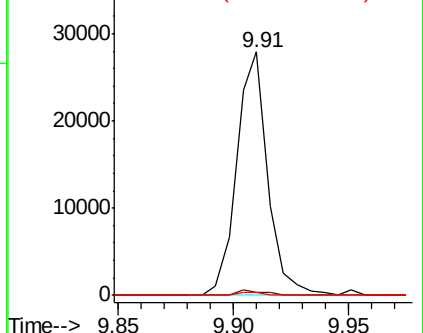
89 1.5 42.9 64.3#



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: 5.779 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.20 min

Lab File: BF118262.D

Acq: 18 Dec 2019 16:45

Tgt Ion:165 Resp: 26088

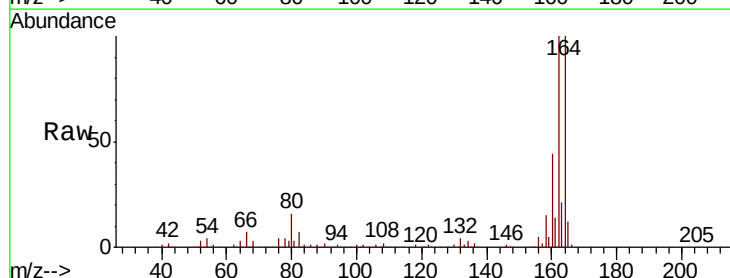
Ion Ratio Lower Upper

165 100

63 1.4 32.6 49.0#

89 1.5 56.1 84.1#

182 0.0 2.1 3.1#

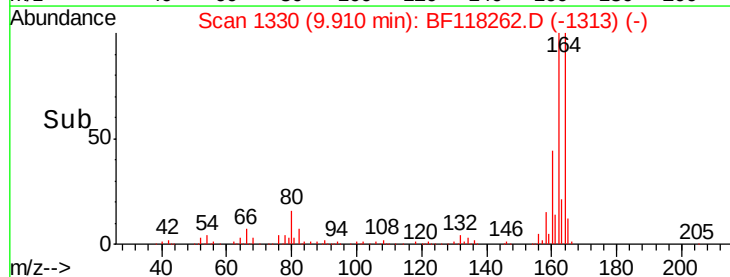
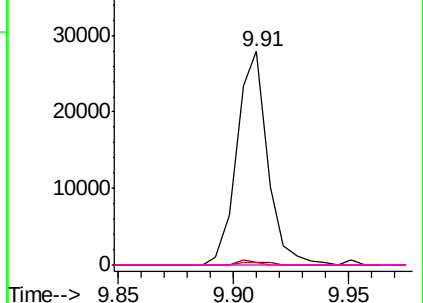


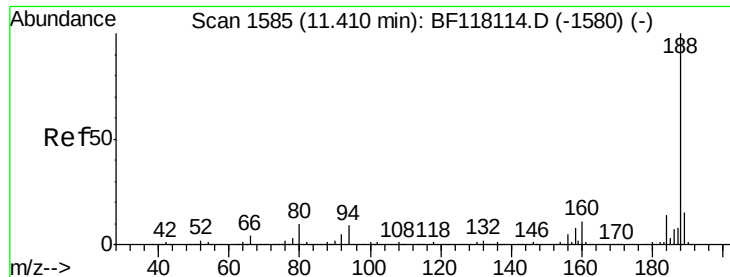
Abundance Ion 165.00 (164.70 to 165.70): E

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

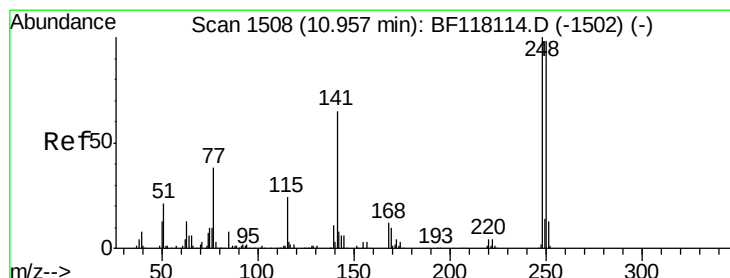
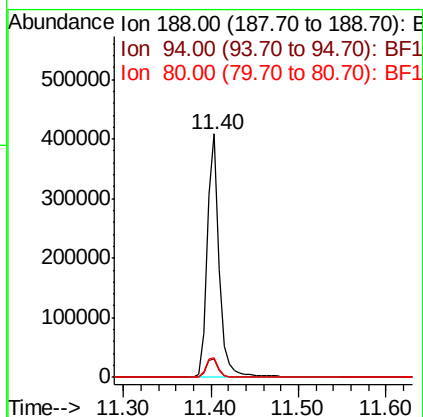
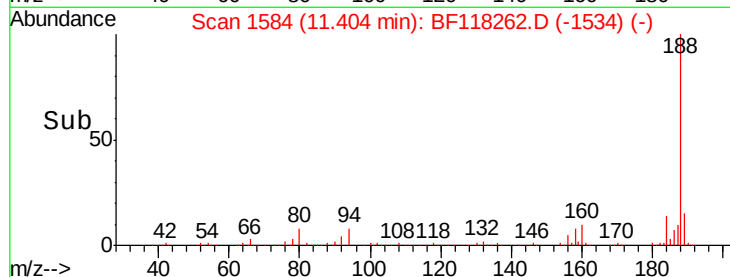
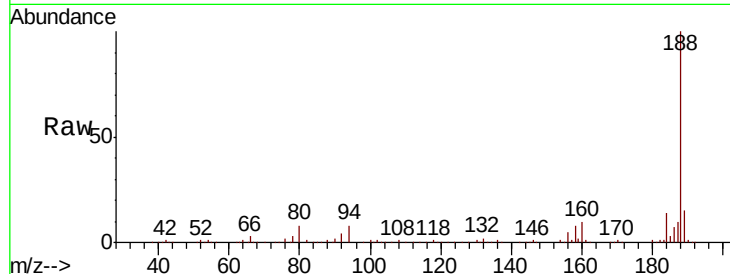




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF118262.D
 Acq: 18 Dec 2019 16:45

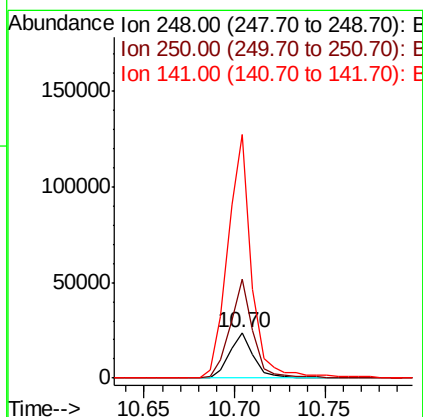
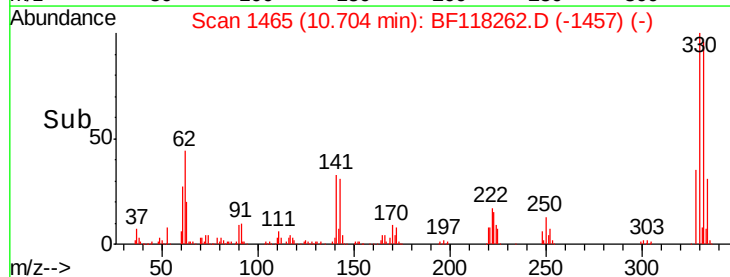
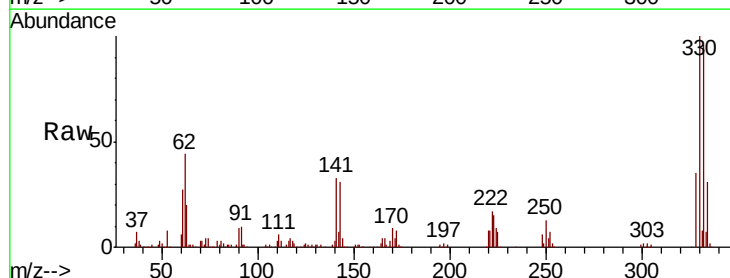
Instrument :
 BNA_F
 ClientSampleId :

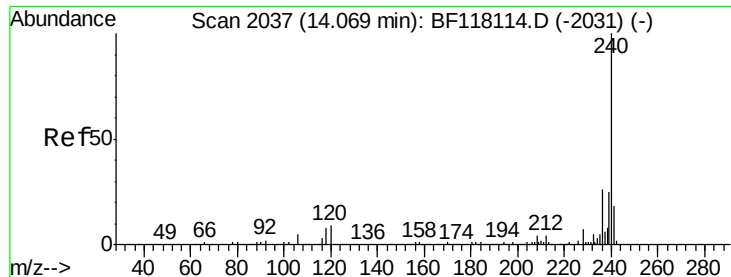
Tot Ion:188 Resp: 390217
 Ion Ratio Lower Upper
 188 100
 94 7.7 7.1 10.7
 80 8.1 7.9 11.9



#67
 4-Bromophenyl-phenylether
 Concen: 4.948 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.25 min
 Lab File: BF118262.D
 Acq: 18 Dec 2019 16:45

Tgt Ion:248 Resp: 22042
 Ion Ratio Lower Upper
 248 100
 250 215.7 78.3 117.5#
 141 533.5 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: BF118262.D

Acq: 18 Dec 2019 16:45

Instrument :

BNA_F

ClientSampleId :

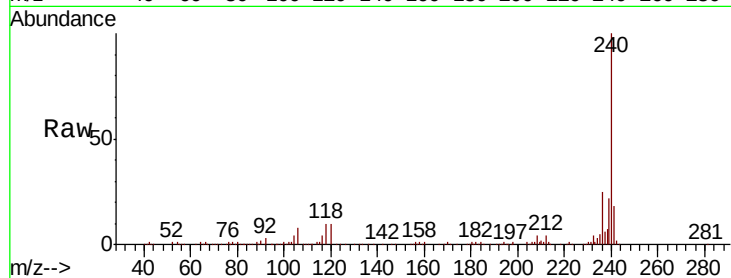
Tot Ion:240 Resp: 249238

Ion Ratio Lower Upper

240 100

120 10.0 7.1 10.7

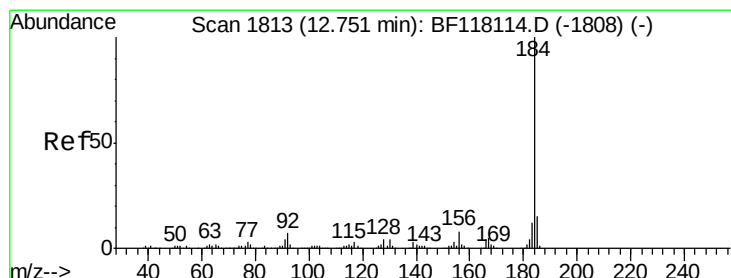
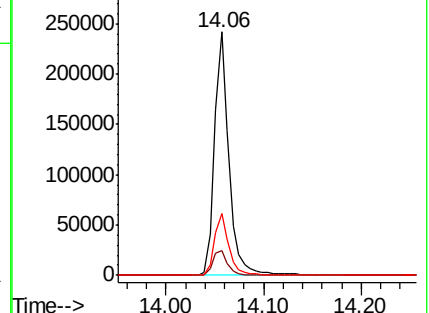
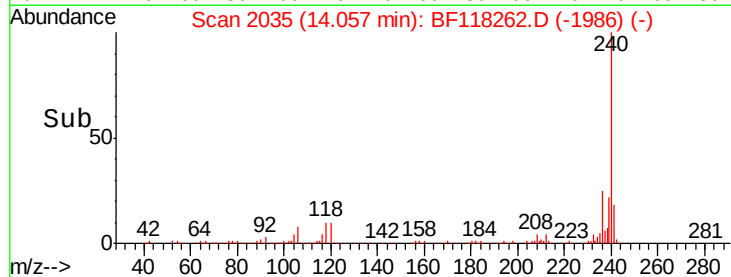
236 25.3 21.0 31.6



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: 2.940 ng

RT: 13.00 min Scan# 1855

Delta R.T. 0.25 min

Lab File: BF118262.D

Acq: 18 Dec 2019 16:45

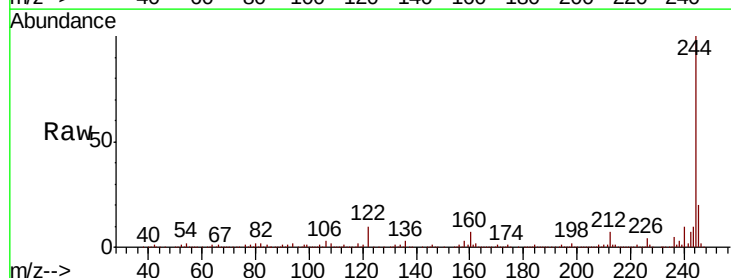
Tgt Ion:184 Resp: 19292

Ion Ratio Lower Upper

184 100

185 19.1 12.3 18.5#

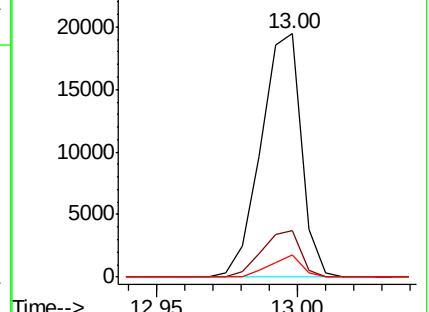
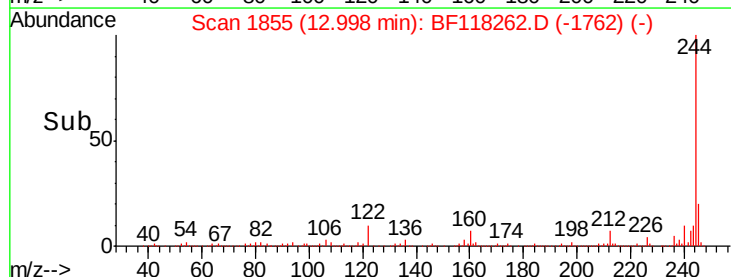
183 9.2 9.9 14.9#

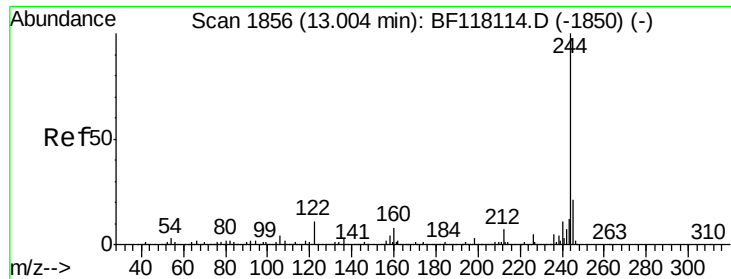


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 101.112 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.01 min

Lab File: BF118262.D

Acq: 18 Dec 2019 16:45

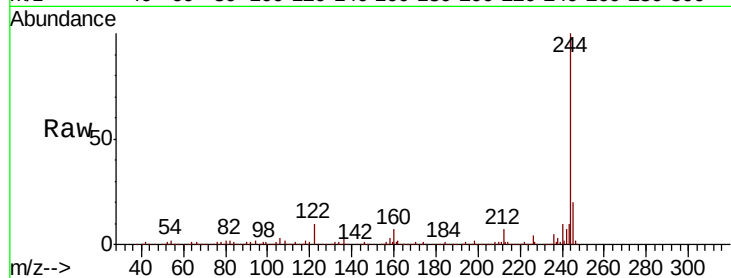
Instrument :

BNA_F

ClientSampleId :

Tot Ion:244 Resp: 1465489

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.9	8.9
122	9.8	9.0	13.6

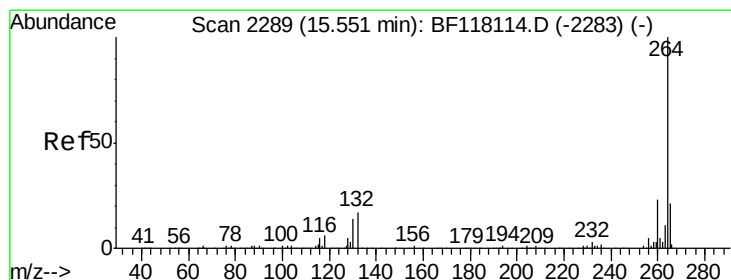
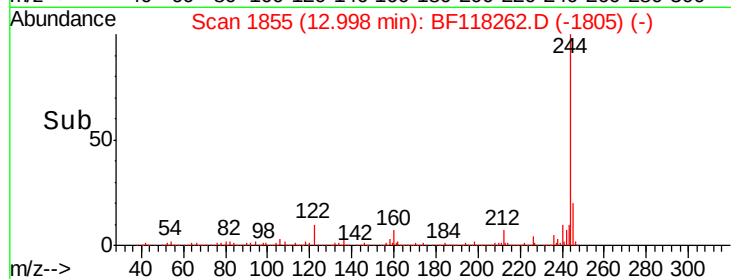
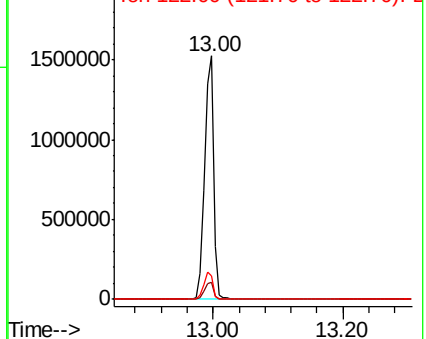


Abundance

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

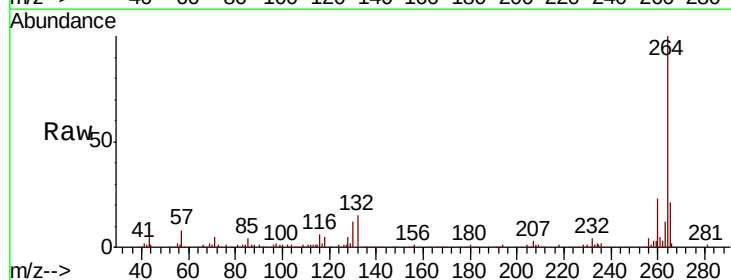
Delta R.T. 0.00 min

Lab File: BF118262.D

Acq: 18 Dec 2019 16:45

Tgt Ion:264 Resp: 236738

Ion	Ratio	Lower	Upper
264	100		
260	23.3	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

