

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121819\
 Data File : BF118261.D
 Acq On : 18 Dec 2019 16:17
 Operator : JU
 Sample : K6330-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 19 03:08:54 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

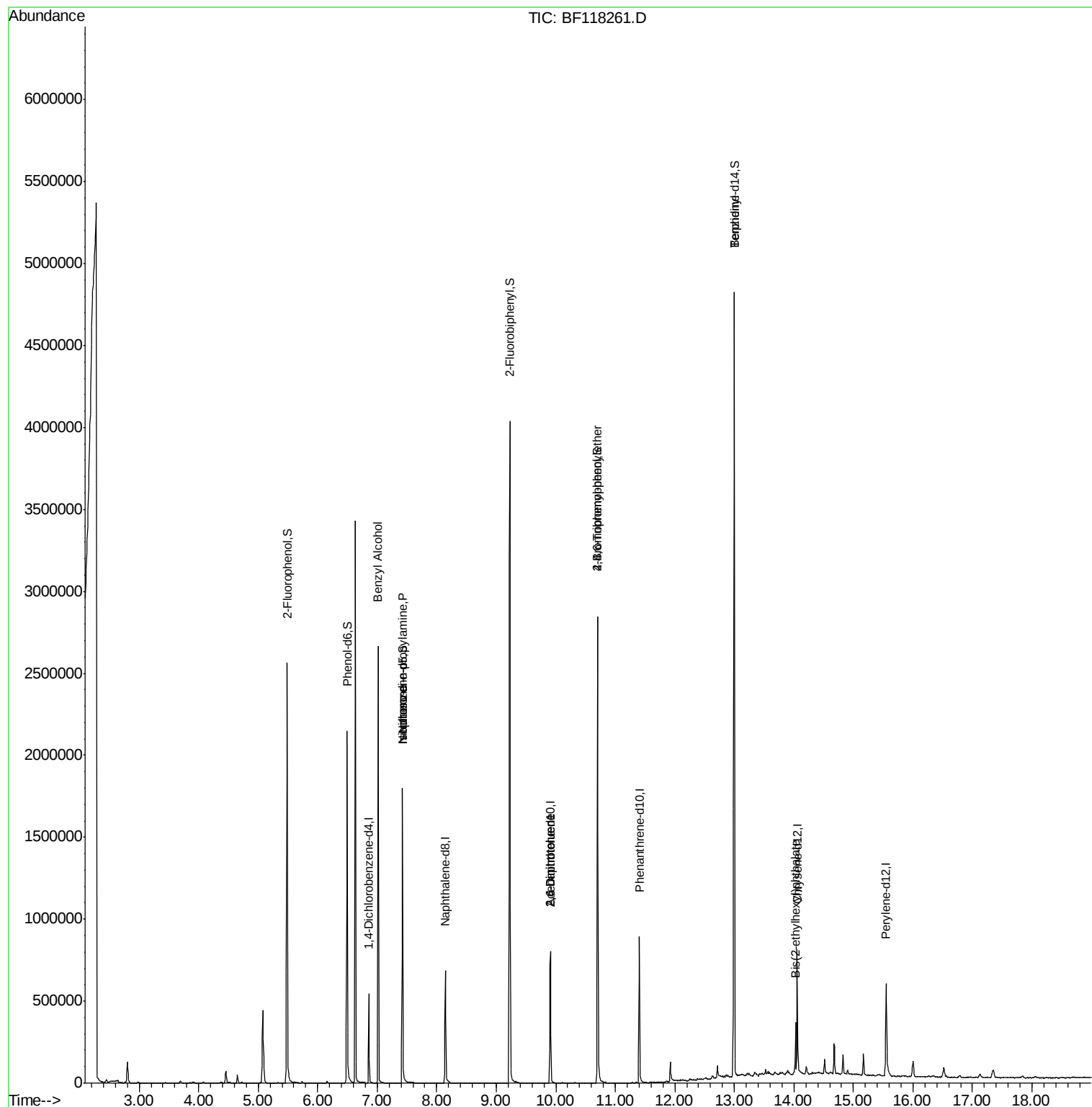
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	85942	20.00	ng	-0.01
21) Naphthalene-d8	8.15	136	335826	20.00	ng	-0.01
39) Acenaphthene-d10	9.91	164	181103	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	348951	20.00	ng	0.00
76) Chrysene-d12	14.06	240	262941	20.00	ng	-0.01
87) Perylene-d12	15.55	264	245114	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	720310	146.80	ng	0.00
7) Phenol-d6	6.49	99	824893	138.99	ng	0.00
23) Nitrobenzene-d5	7.43	82	602589	100.95	ng	-0.01
42) 2,4,6-Tribromophenol	10.70	330	369062	167.75	ng	-0.01
45) 2-Fluorobiphenyl	9.23	172	1254015	105.36	ng	-0.01
79) Terphenyl-d14	13.00	244	1620461	105.98	ng	0.00
Target Compounds						
9) Benzaldehyde	6.49	77	1110	Below Cal	Qvalue	# 1
15) Benzyl Alcohol	7.02	79	10737	2.318 ng	#	50
19) n-Nitroso-di-n-propylamine	7.43	70	83583	23.176 ng	#	76
25) Isophorone	7.43	82	602584	59.547 ng	#	62
51) 2,6-Dinitrotoluene	9.90	165	21482	7.385 ng	#	28
57) 2,4-Dinitrotoluene	9.90	165	21482	5.533 ng	#	26
67) 4-Bromophenyl-phenylether	10.70	248	22874	5.742 ng	#	1
77) Benzidine	13.00	184	22186	3.205 ng	#	94
84) Bis(2-ethylhexyl)phthalate	14.03	149	92201	7.451 ng		99

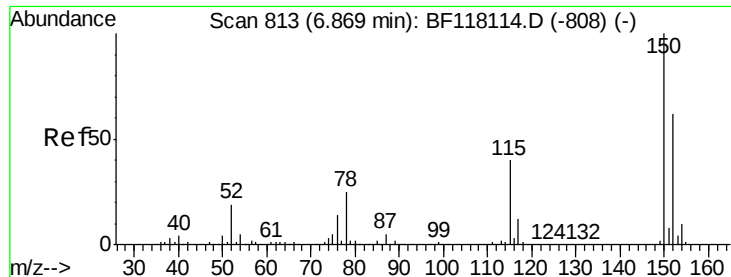
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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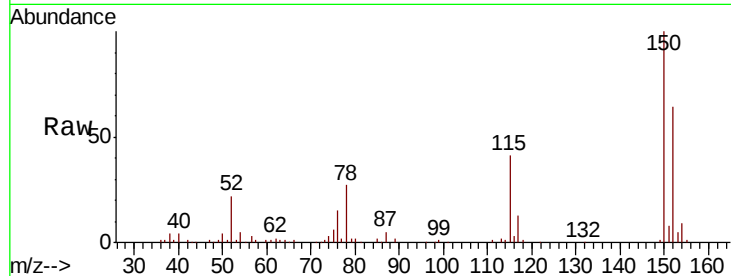


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.86 min Scan# 811
 Delta R.T. -0.01 min
 Lab File: BF118261.D
 Acq: 18 Dec 2019 16:17

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	128.3	192.5
115	62.9	51.1	76.7

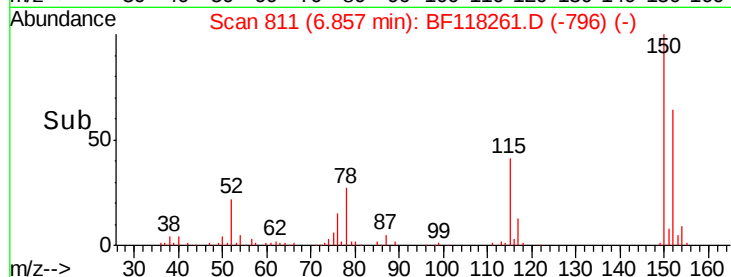
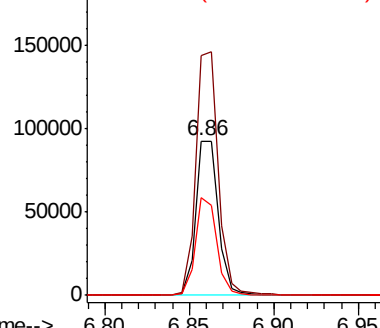


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

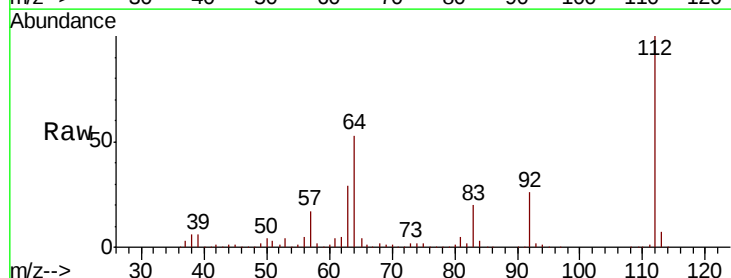
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 146.796 ng
 RT: 5.49 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: BF118261.D
 Acq: 18 Dec 2019 16:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.8	41.3	61.9
63	28.6	22.4	33.6

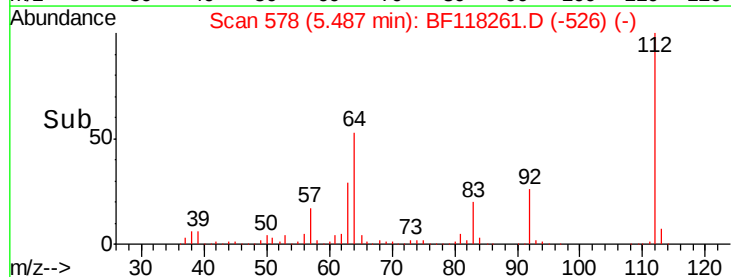
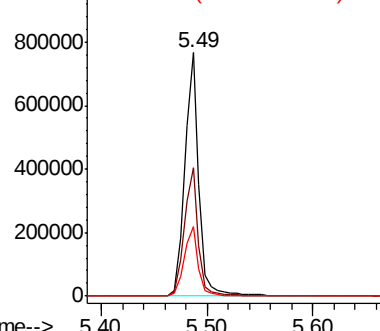


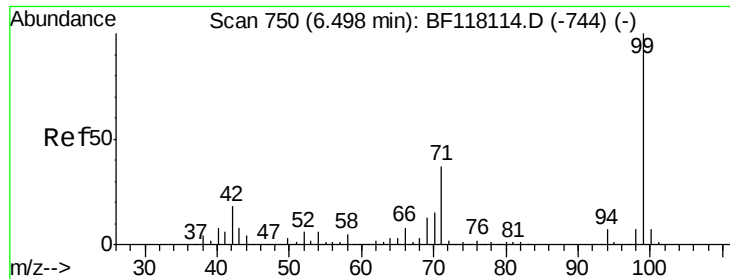
Abundance

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: 138.988 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF118261.D

Acq: 18 Dec 2019 16:17

Instrument :

BNA_F

ClientSampled :

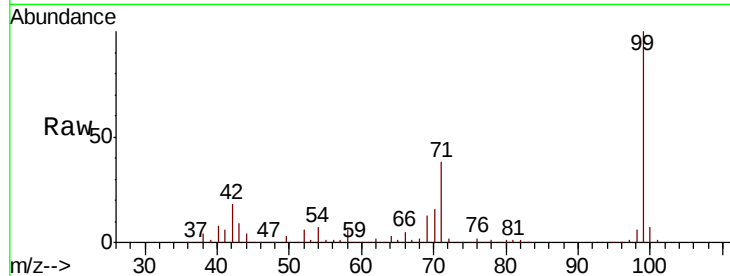
Tot Ion: 99 Resp: 824893

Ion Ratio Lower Upper

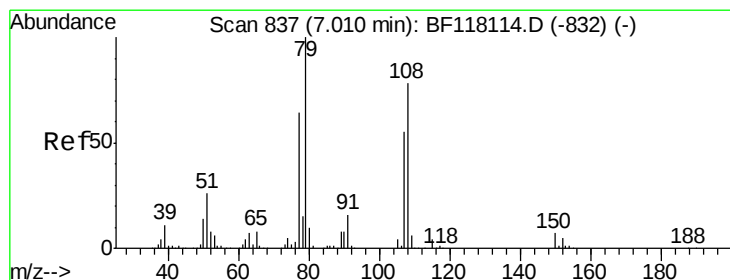
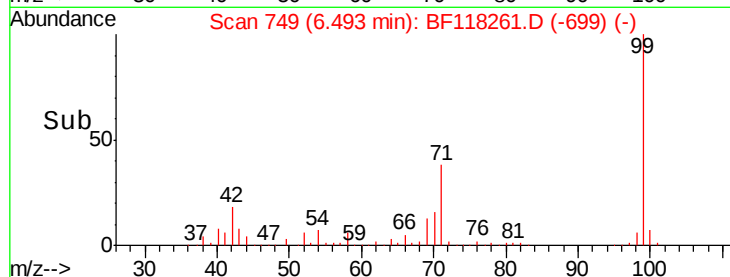
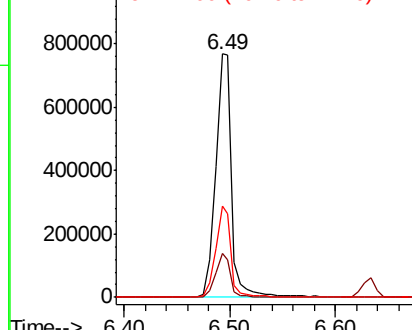
99 100

42 18.1 14.1 21.1

71 37.6 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



#15

Benzyl Alcohol

Concen: 2.318 ng

RT: 7.02 min Scan# 838

Delta R.T. 0.01 min

Lab File: BF118261.D

Acq: 18 Dec 2019 16:17

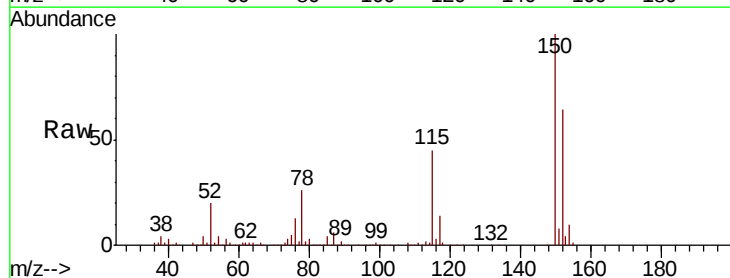
Tgt Ion: 79 Resp: 10737

Ion Ratio Lower Upper

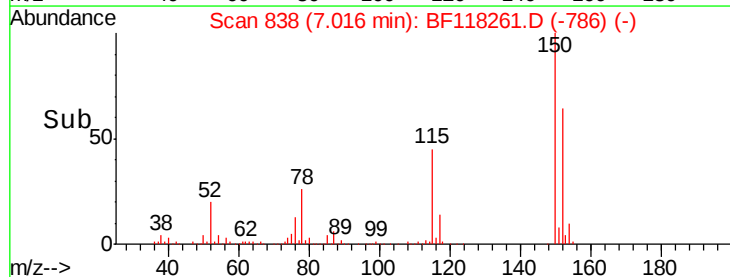
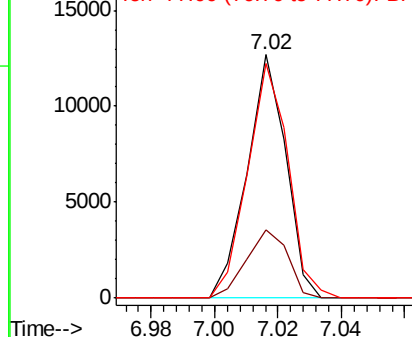
79 100

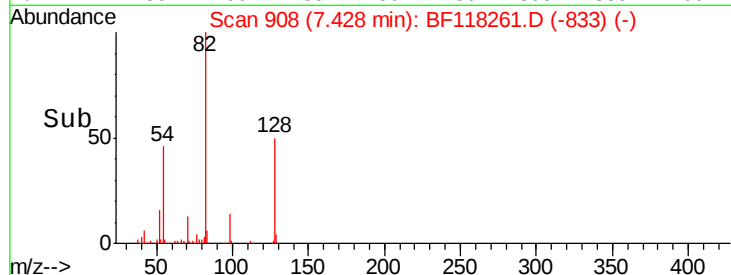
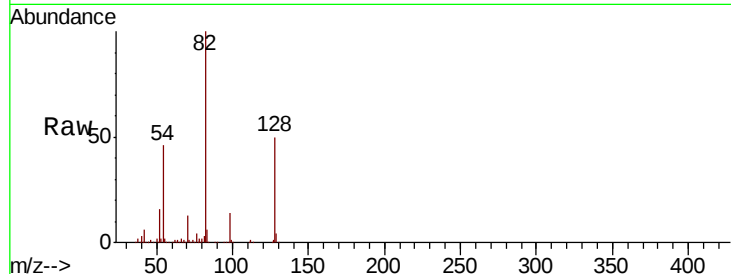
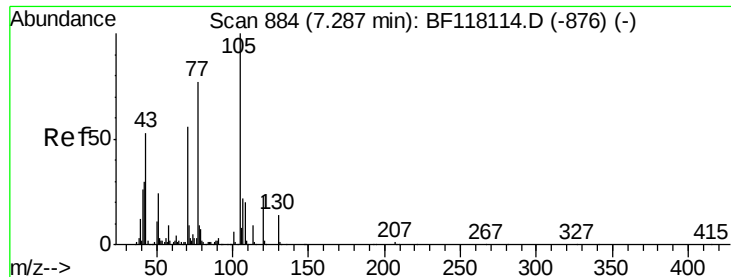
108 28.1 62.7 94.1#

77 96.2 51.4 77.2#



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1

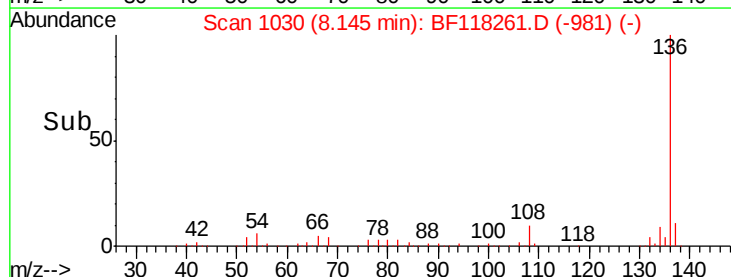
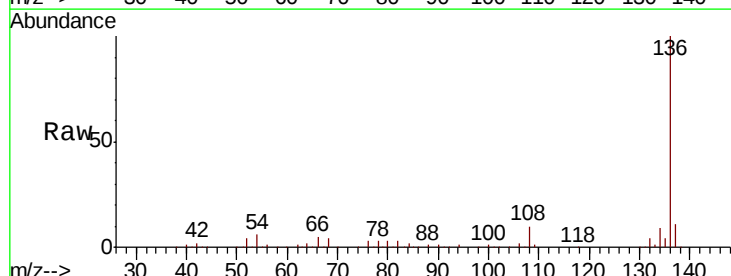
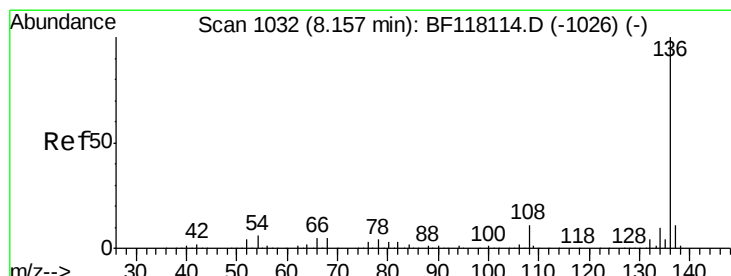
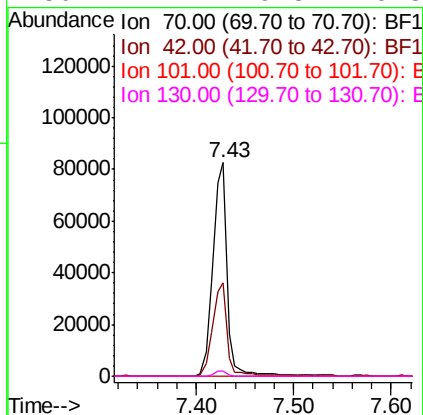




#19
n-Nitroso-di-n-propylamine
Concen: 23.176 ng
RT: 7.43 min Scan# 908
Delta R.T. 0.14 min
Lab File: BF118261.D
Acq: 18 Dec 2019 16:17

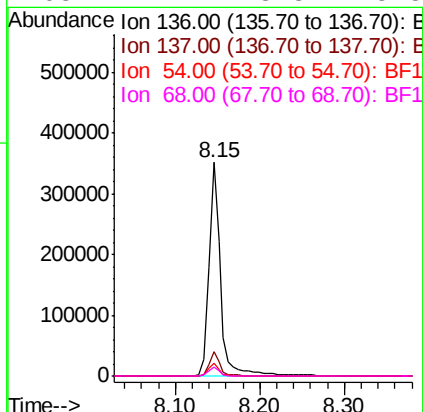
Instrument :
BNA_F
ClientSampleId :

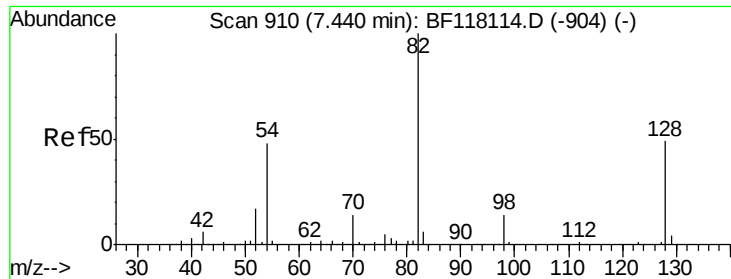
Tot Ion: 70 Resp: 83583
Ion Ratio Lower Upper
70 100
42 43.9 43.2 64.8
101 0.0 8.1 12.1#
130 2.4 19.8 29.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF118261.D
Acq: 18 Dec 2019 16:17

Tgt Ion: 136 Resp: 335826
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.6
54 6.3 5.0 7.6
68 4.2 3.8 5.8

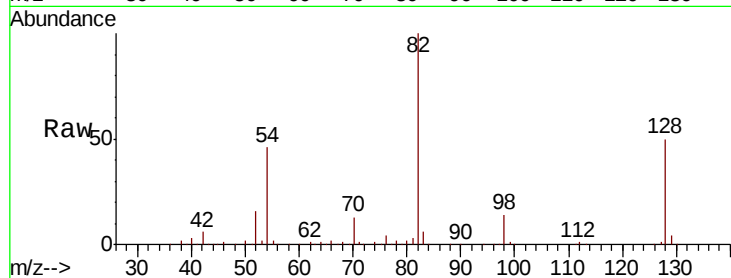




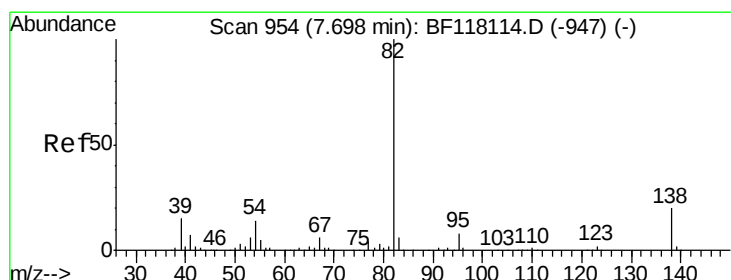
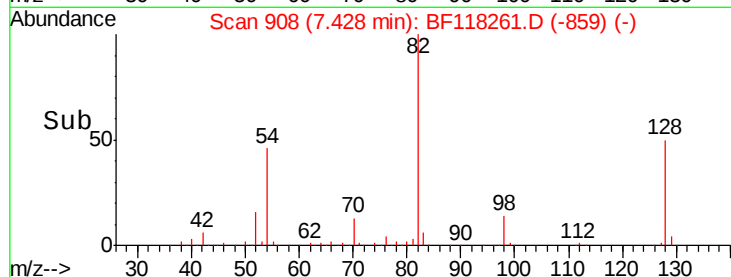
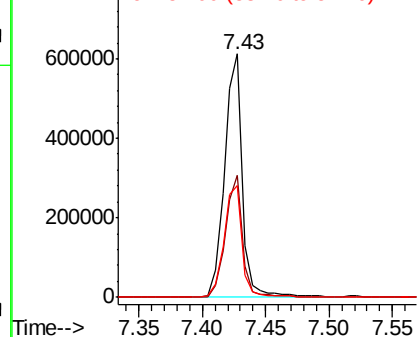
#23
 Nitrobenzene-d5
 Concen: 100.946 ng
 RT: 7.43 min Scan# 908
 Delta R.T. -0.01 min
 Lab File: BF118261.D
 Acq: 18 Dec 2019 16:17

Instrument :
 BNA_F
 ClientSampleID :

Tot Ion	82	Resp	602589
Ion Ratio	Lower	Upper	
82	100		
128	50.1	39.1	58.7
54	45.7	38.2	57.2

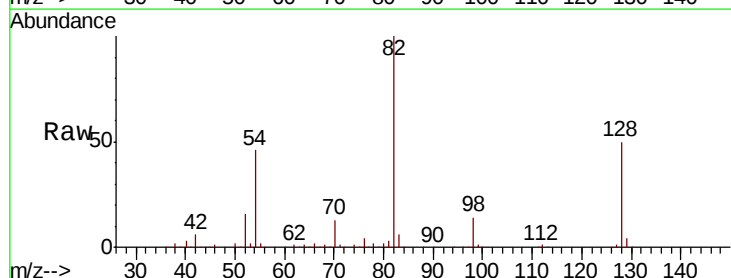


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

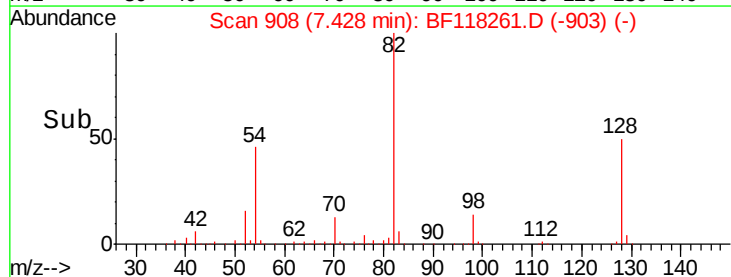
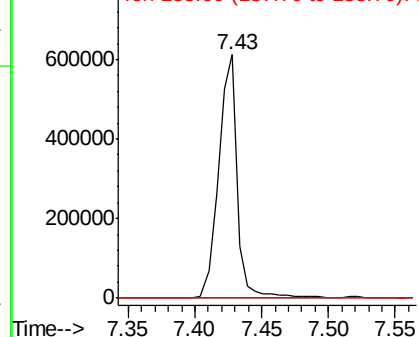


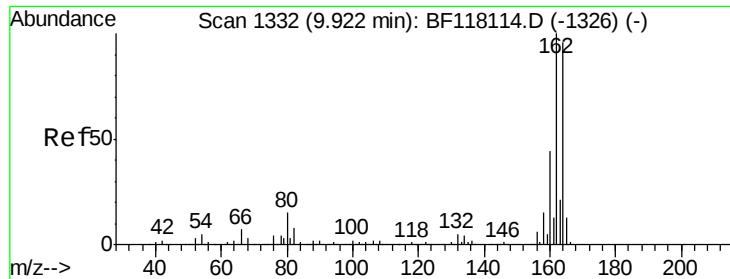
#25
 Isophorone
 Concen: 59.547 ng
 RT: 7.43 min Scan# 908
 Delta R.T. -0.27 min
 Lab File: BF118261.D
 Acq: 18 Dec 2019 16:17

Tgt Ion	82	Resp	602584
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

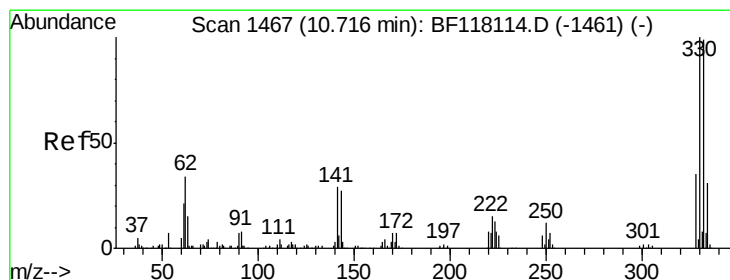
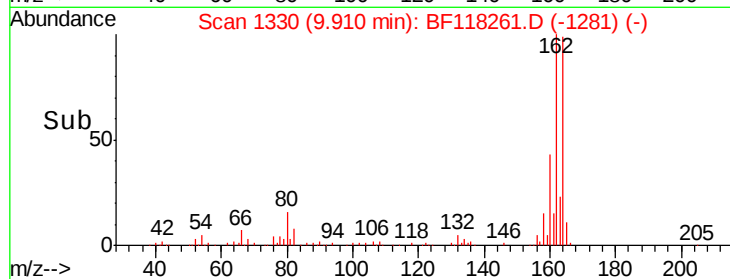
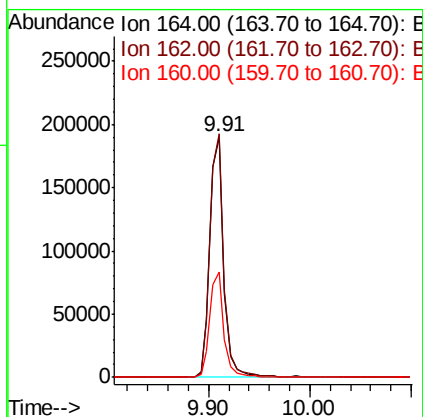
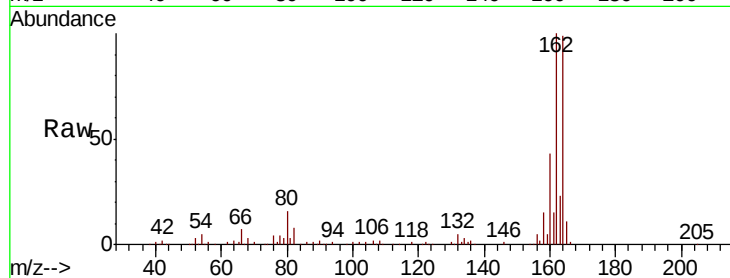




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.01 min
 Lab File: BF118261.D
 Acq: 18 Dec 2019 16:17

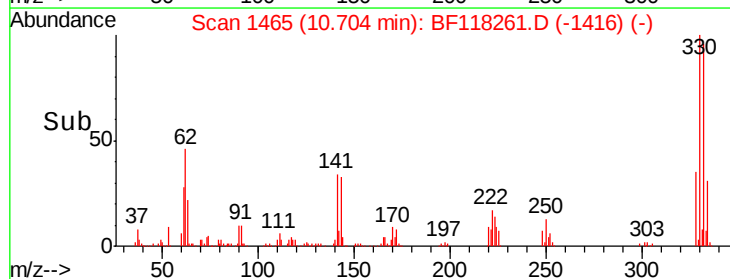
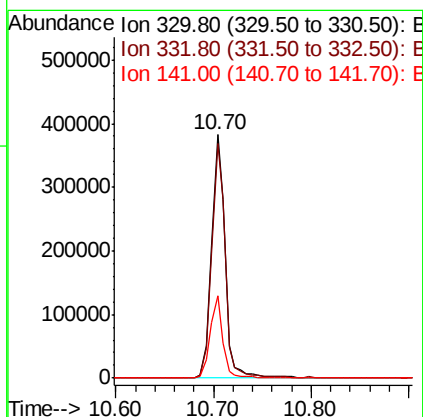
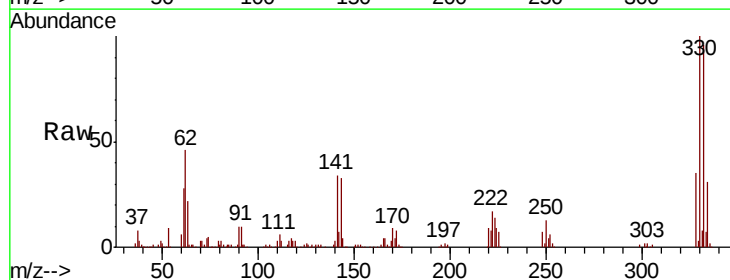
Instrument :
 BNA_F
 ClientSampleId :

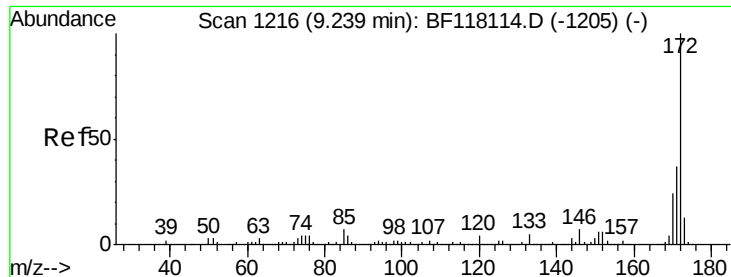
Tot Ion	Ratio	Lower	Upper
164	100		
162	101.5	83.4	125.0
160	44.0	36.6	54.8



#42
 2,4,6-Tribromophenol
 Concen: 167.750 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF118261.D
 Acq: 18 Dec 2019 16:17

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.0	78.1	117.1
141	32.2	26.9	40.3



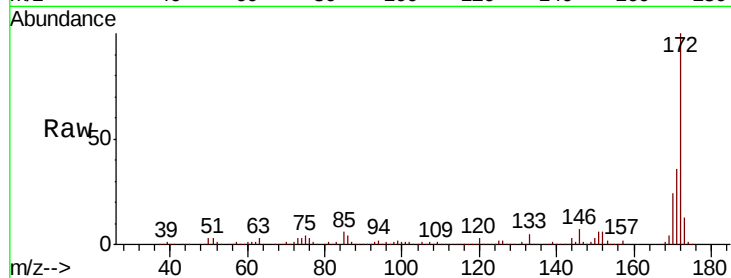


#45
 2-Fluorobiphenyl
 Concen: 105.364 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF118261.D
 Acq: 18 Dec 2019 16:17

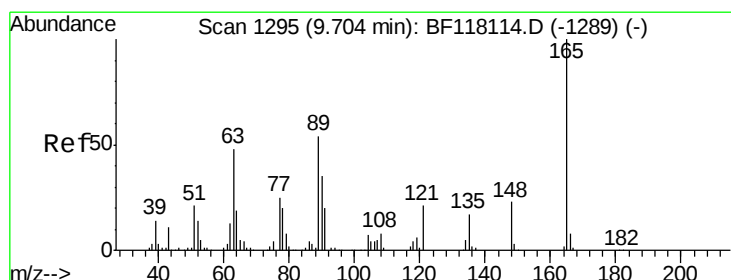
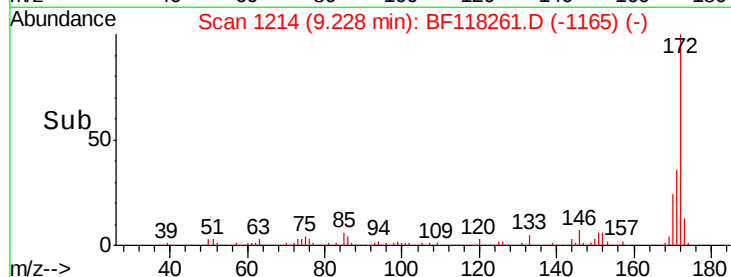
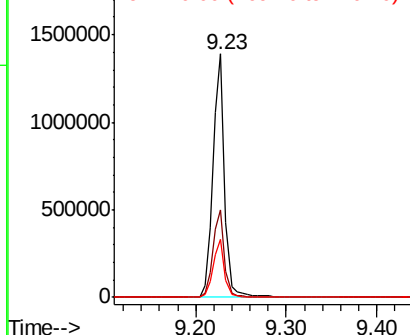
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1254015

Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.2	43.8
170	23.7	19.4	29.2



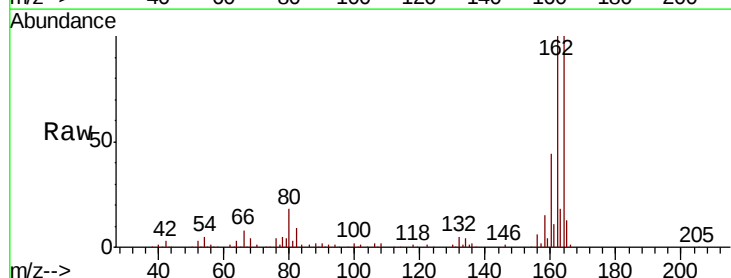
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



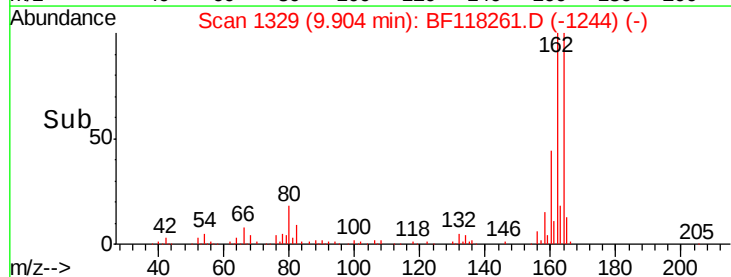
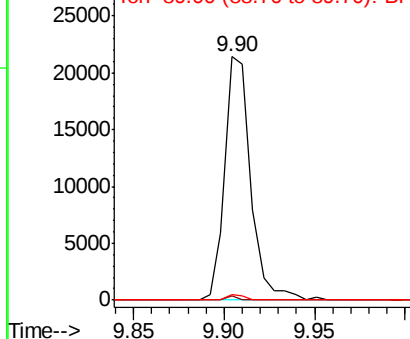
#51
 2,6-Dinitrotoluene
 Concen: 7.385 ng
 RT: 9.90 min Scan# 1329
 Delta R.T. 0.20 min
 Lab File: BF118261.D
 Acq: 18 Dec 2019 16:17

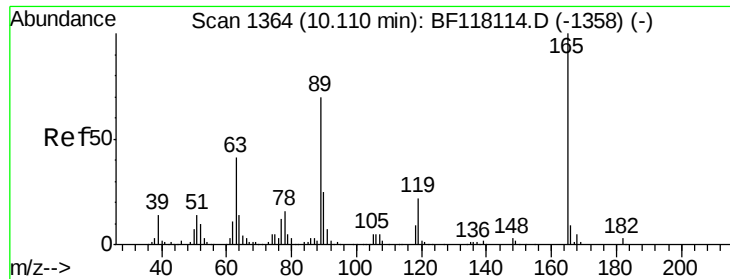
Tgt Ion:165 Resp: 21482

Ion	Ratio	Lower	Upper
165	100		
63	1.5	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

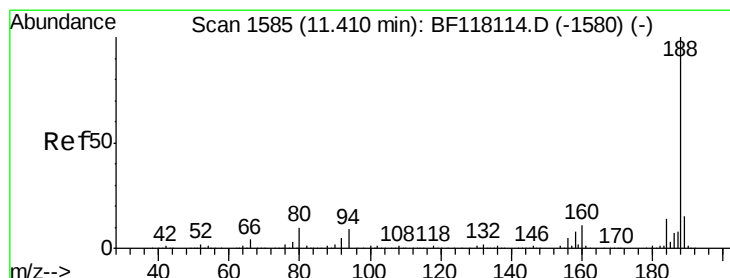
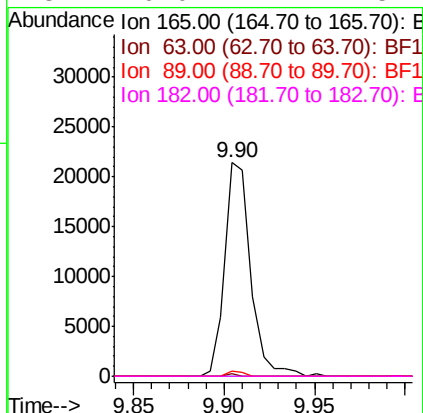
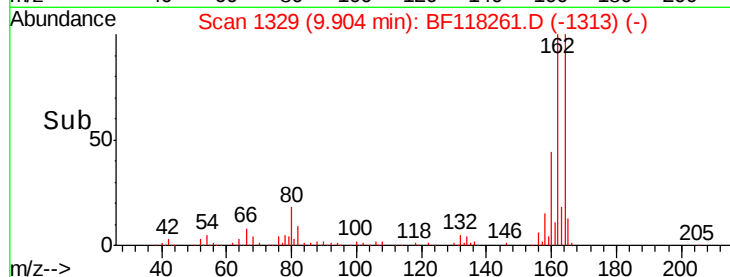
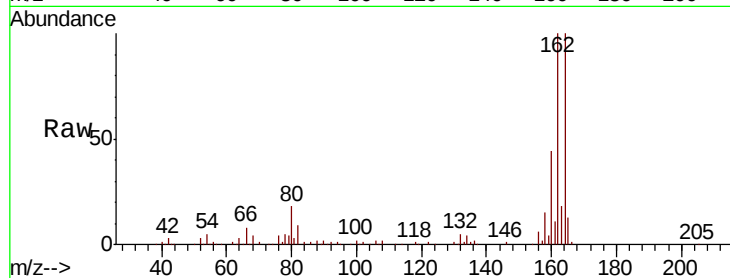




#57
 2,4-Dinitrotoluene
 Concen: 5.533 ng
 RT: 9.90 min Scan# 1329
 Delta R.T. -0.21 min
 Lab File: BF118261.D
 Acq: 18 Dec 2019 16:17

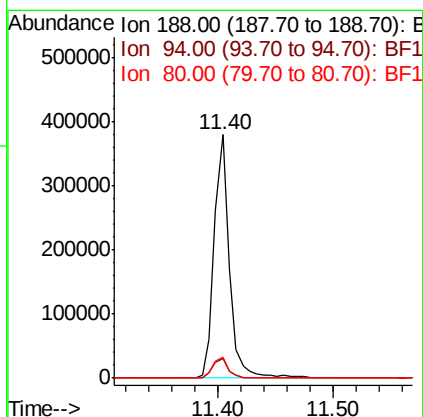
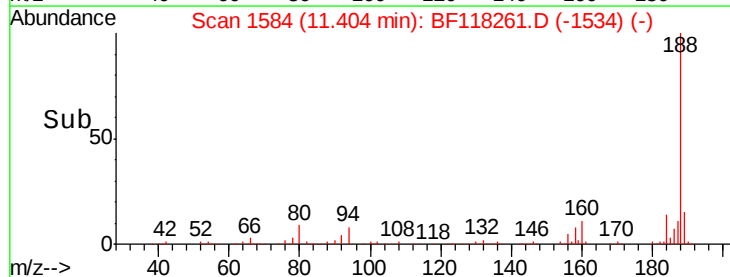
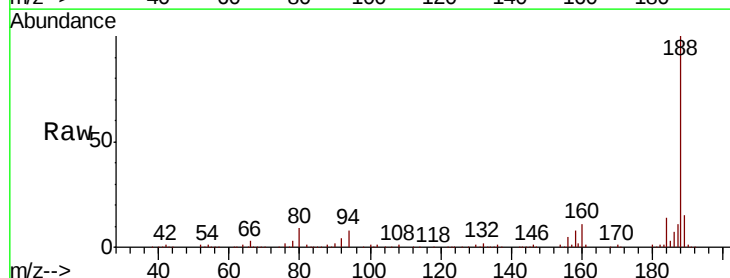
Instrument :
 BNA_F
 ClientSampleId :

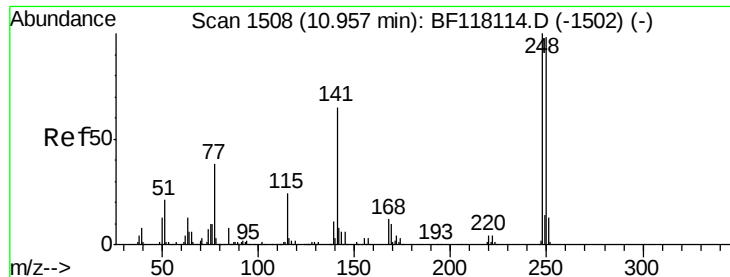
Tot Ion:165 Resp: 21482
 Ion Ratio Lower Upper
 165 100
 63 1.5 32.6 49.0#
 89 2.2 56.1 84.1#
 182 0.0 2.1 3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF118261.D
 Acq: 18 Dec 2019 16:17

Tgt Ion:188 Resp: 348951
 Ion Ratio Lower Upper
 188 100
 94 8.3 7.1 10.7
 80 8.5 7.9 11.9

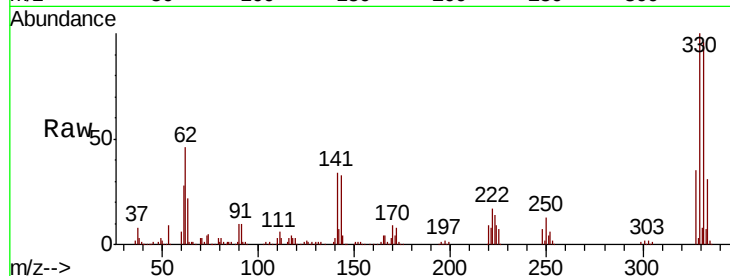




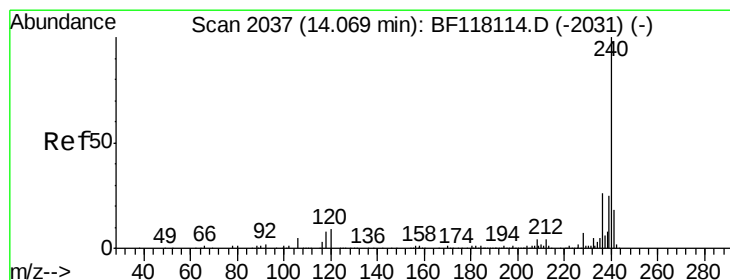
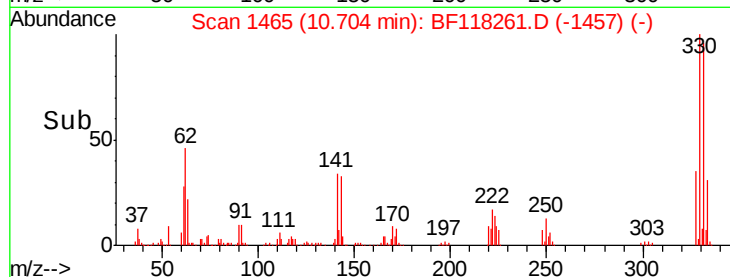
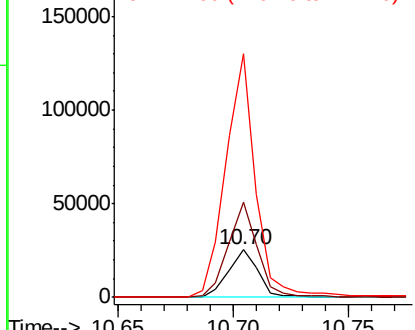
#67
 4-Bromophenyl-phenylether
 Concen: 5.742 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.25 min
 Lab File: BF118261.D
 Acq: 18 Dec 2019 16:17

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 22874
 Ion Ratio Lower Upper
 248 100
 250 200.0 78.3 117.5#
 141 510.1 52.2 78.4#

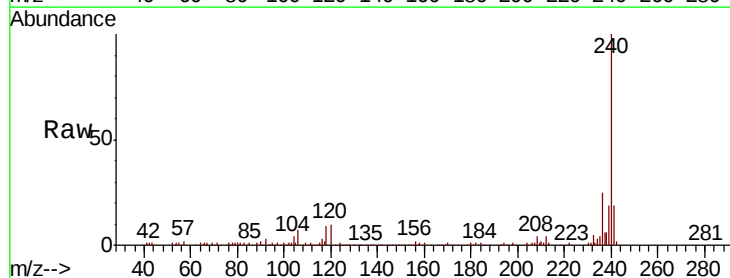


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

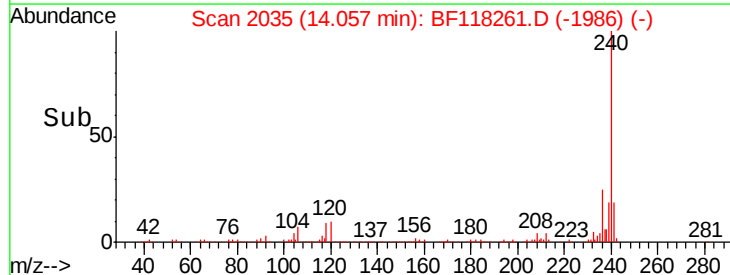
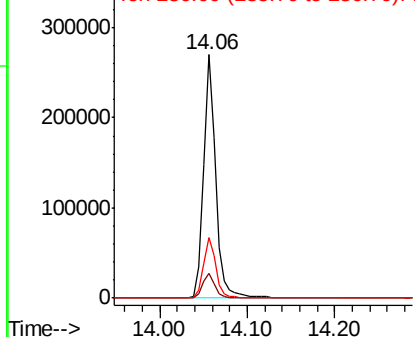


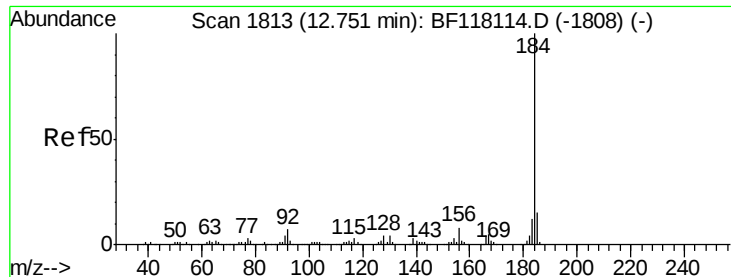
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.06 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: BF118261.D
 Acq: 18 Dec 2019 16:17

Tgt Ion:240 Resp: 262941
 Ion Ratio Lower Upper
 240 100
 120 10.4 7.1 10.7
 236 24.7 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: 3.205 ng

RT: 13.00 min Scan# 1855

Delta R.T. 0.25 min

Lab File: BF118261.D

Acq: 18 Dec 2019 16:17

Instrument :

BNA_F

ClientSampleId :

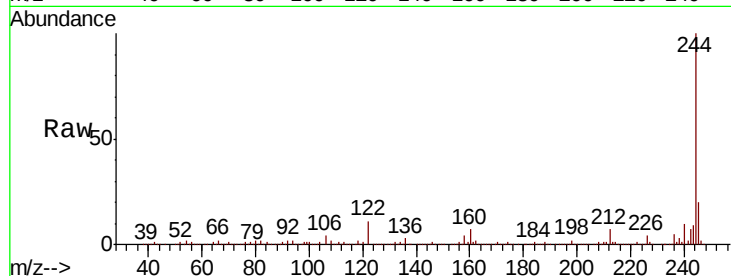
Tot Ion:184 Resp: 22186

Ion Ratio Lower Upper

184 100

185 14.8 12.3 18.5

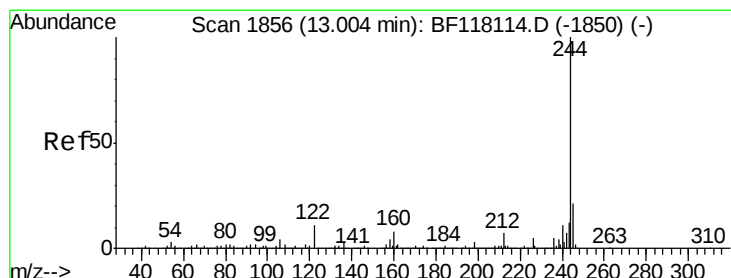
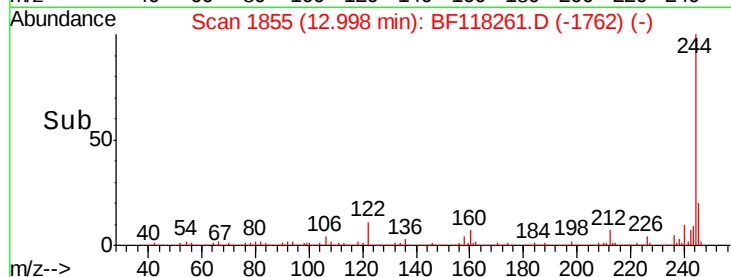
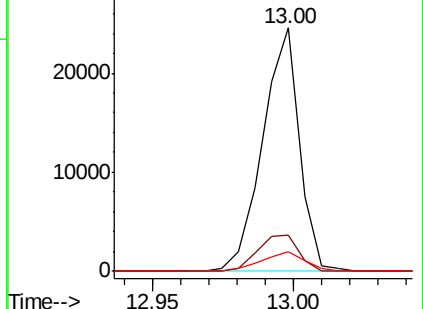
183 7.9 9.9 14.9#



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: 105.978 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.01 min

Lab File: BF118261.D

Acq: 18 Dec 2019 16:17

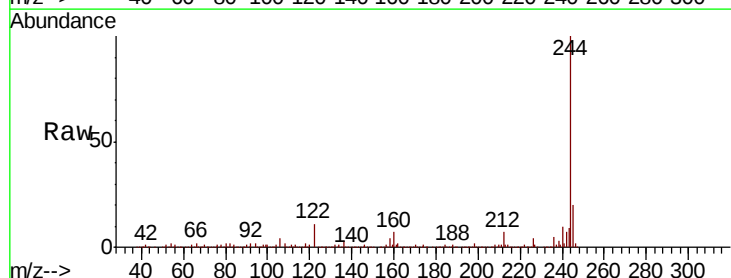
Tgt Ion:244 Resp: 1620461

Ion Ratio Lower Upper

244 100

212 7.0 5.9 8.9

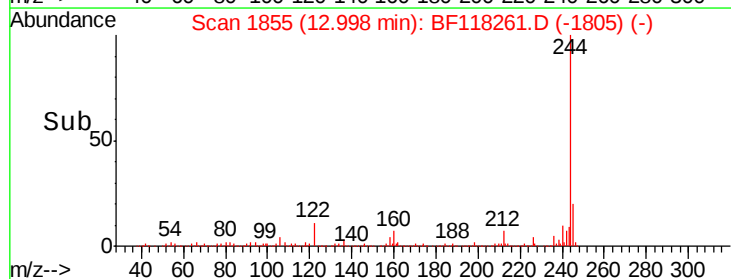
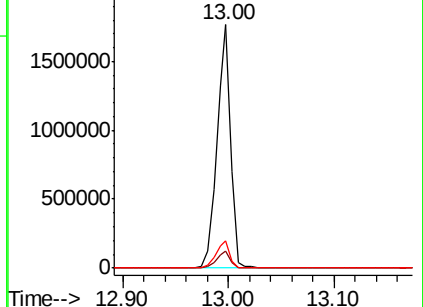
122 11.2 9.0 13.6

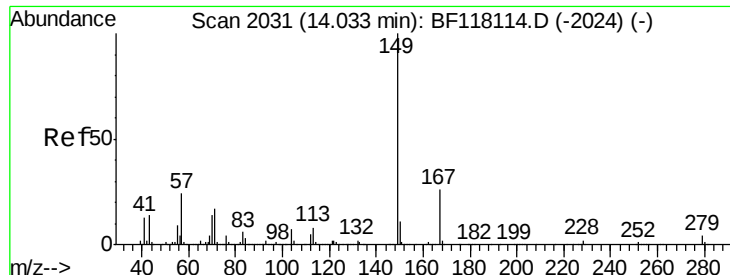


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

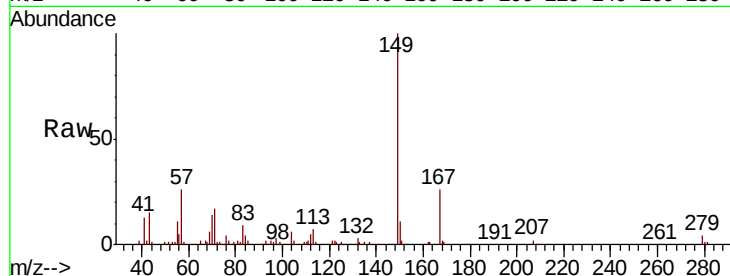




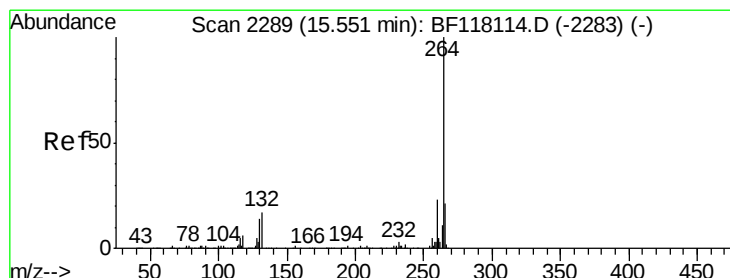
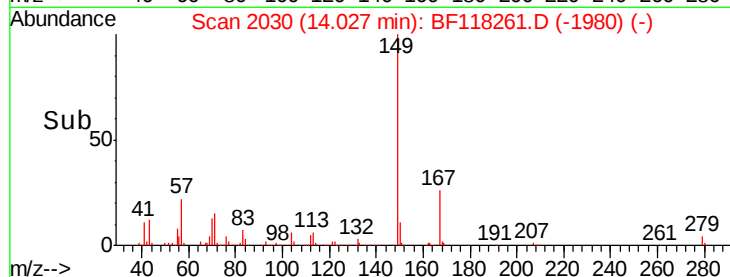
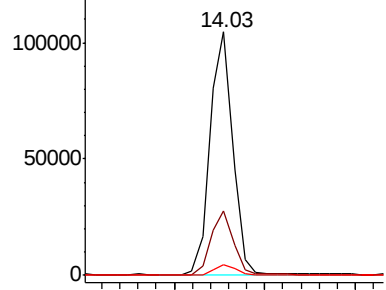
#84
 Bis(2-ethylhexyl)phthalate
 Concen: 7.451 ng
 RT: 14.03 min Scan# 2030
 Delta R.T. -0.01 min
 Lab File: BF118261.D
 Acq: 18 Dec 2019 16:17

Instrument :
 BNA_F
 ClientSampleID :

Tot Ion:149 Resp: 92201
 Ion Ratio Lower Upper
 149 100
 167 26.4 20.8 31.2
 279 4.2 2.9 4.3

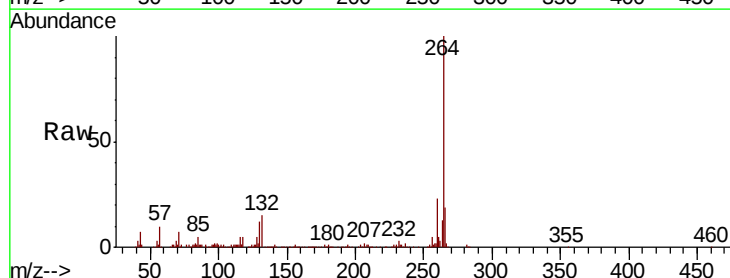


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.55 min Scan# 2289
 Delta R.T. 0.00 min
 Lab File: BF118261.D
 Acq: 18 Dec 2019 16:17

Tgt Ion:264 Resp: 245114
 Ion Ratio Lower Upper
 264 100
 260 23.2 18.6 28.0
 265 19.4 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

