

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121619\
 Data File : BF118213.D
 Acq On : 16 Dec 2019 23:03
 Operator : JU
 Sample : K6294-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 17 01:08:18 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

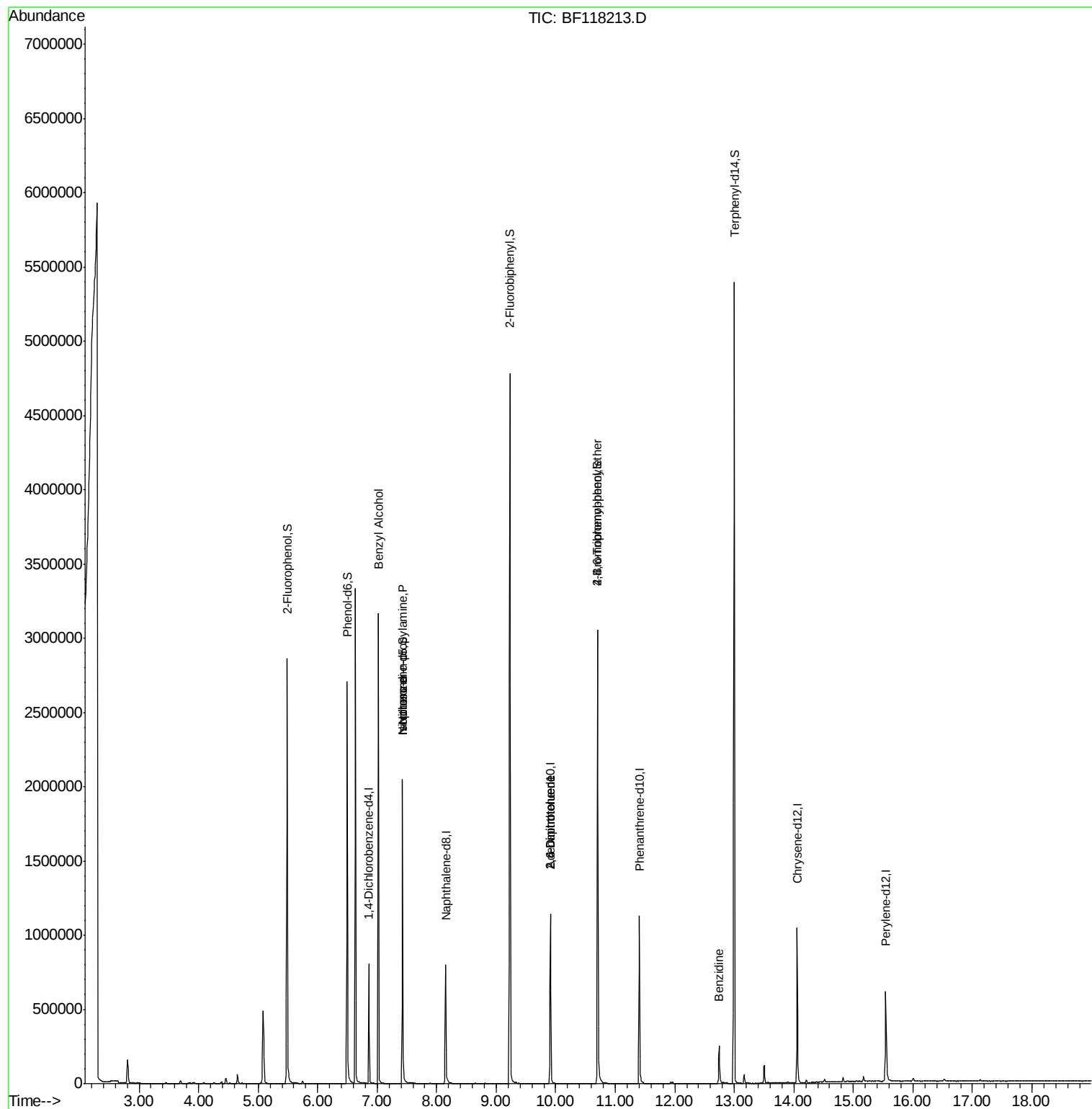
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	109967	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	430216	20.00	ng	0.00
39) Acenaphthene-d10	9.91	164	234226	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	449410	20.00	ng	0.00
76) Chrysene-d12	14.06	240	353860	20.00	ng	-0.01
87) Perylene-d12	15.54	264	330612	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	810873	129.15	ng	0.00
7) Phenol-d6	6.50	99	917921	120.87	ng	0.00
23) Nitrobenzene-d5	7.43	82	686469	89.77	ng	-0.01
42) 2,4,6-Tribromophenol	10.70	330	407811	143.32	ng	-0.01
45) 2-Fluorobiphenyl	9.23	172	1423058	92.45	ng	-0.01
79) Terphenyl-d14	13.00	244	1933274	93.95	ng	0.00
Target Compounds						
9) Benzaldehyde	6.50	77	1354	Below Cal	#	1
15) Benzyl Alcohol	7.02	79	11886	2.005	ng	# 40
19) n-Nitroso-di-n-propylamine	7.43	70	90845	19.686	ng	# 75
25) Isophorone	7.43	82	675103	52.077	ng	# 62
51) 2,6-Dinitrotoluene	9.91	165	28414	7.553	ng	# 28
57) 2,4-Dinitrotoluene	9.91	165	28414	5.659	ng	# 26
67) 4-Bromophenyl-phenylether	10.70	248	25781	5.025	ng	# 1
77) Benzidine	12.75	184	116139	12.467	ng	97

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121619\
Data File : BF118213.D
Acq On : 16 Dec 2019 23:03
Operator : JU
Sample : K6294-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Dec 17 01:08:18 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



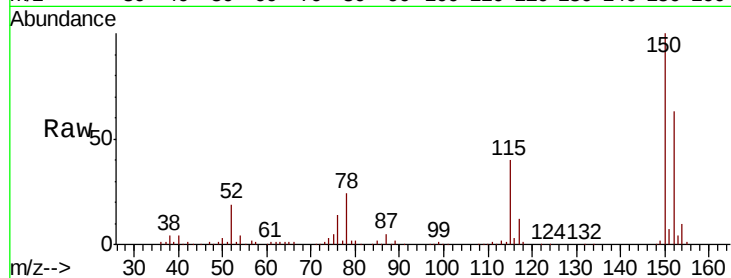


#1

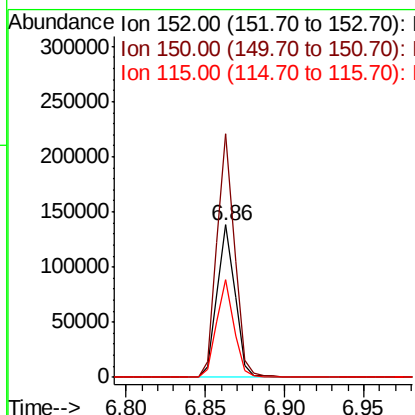
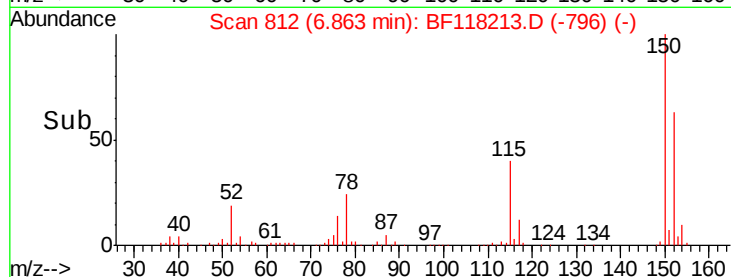
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.86 min Scan# 812
 Delta R.T. -0.01 min
 Lab File: BF118213.D
 Acq: 16 Dec 2019 23:03

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.6	128.3	192.5
115	64.2	51.1	76.7



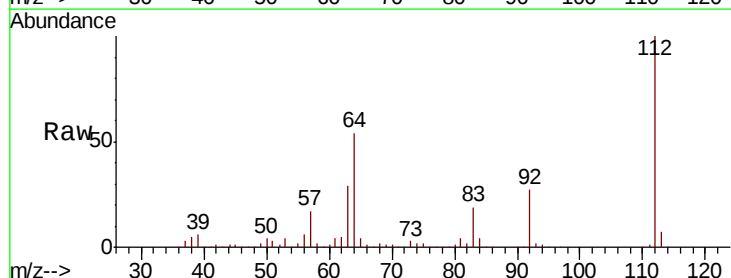
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



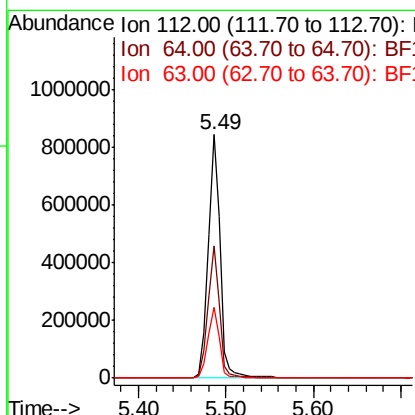
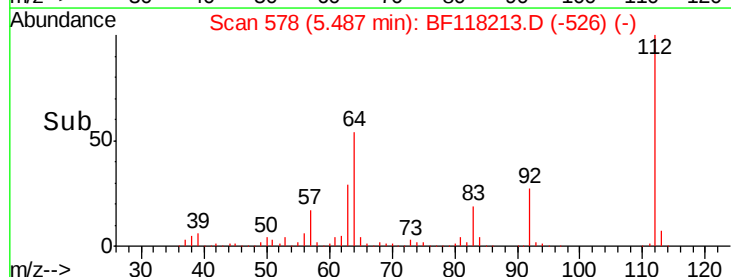
#5

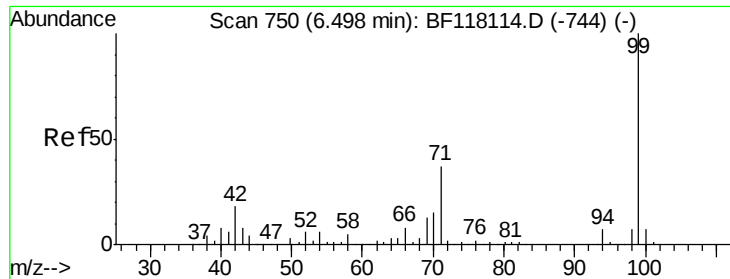
2-Fluorophenol
 Concen: 129.149 ng
 RT: 5.49 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: BF118213.D
 Acq: 16 Dec 2019 23:03

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.4	41.3	61.9
63	29.3	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: 120.873 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.00 min

Lab File: BF118213.D

Acq: 16 Dec 2019 23:03

Instrument :

BNA_F

ClientSampleId :

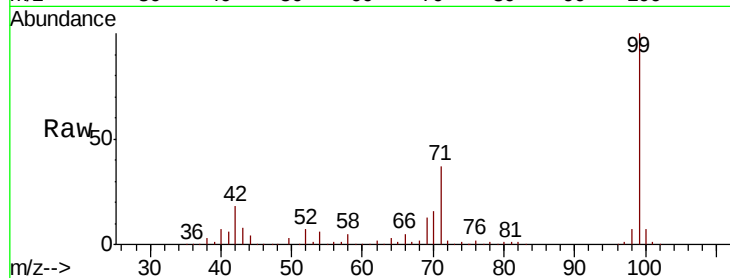
Tot Ion: 99 Resp: 917921

Ion Ratio Lower Upper

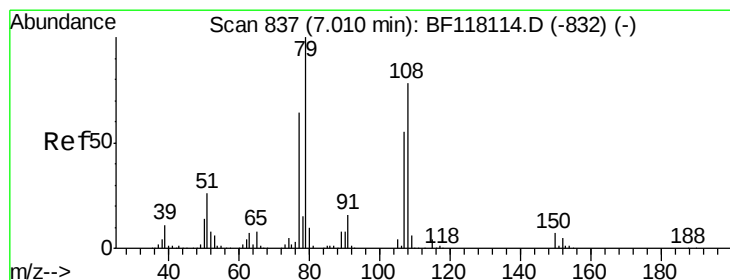
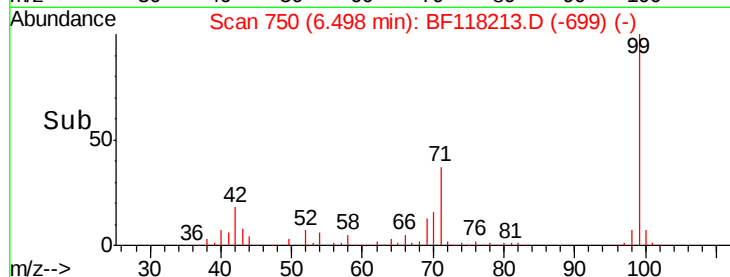
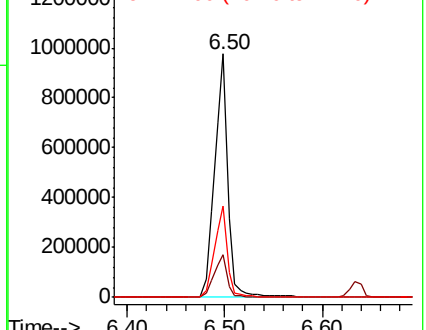
99 100

42 17.6 14.1 21.1

71 37.3 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: 2.005 ng

RT: 7.02 min Scan# 839

Delta R.T. 0.01 min

Lab File: BF118213.D

Acq: 16 Dec 2019 23:03

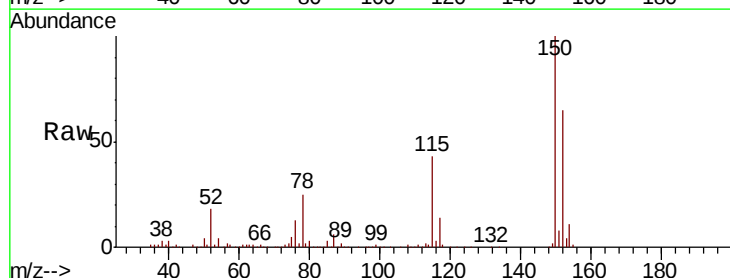
Tgt Ion: 79 Resp: 11886

Ion Ratio Lower Upper

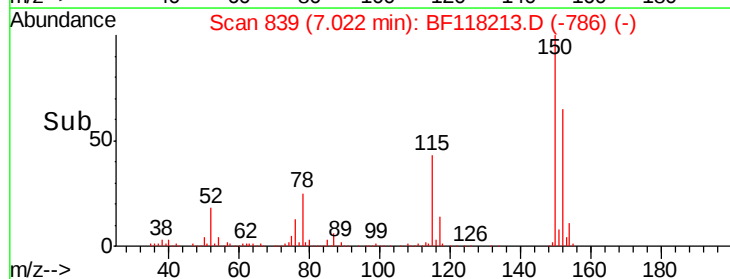
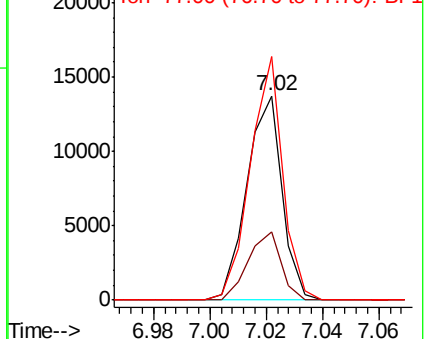
79 100

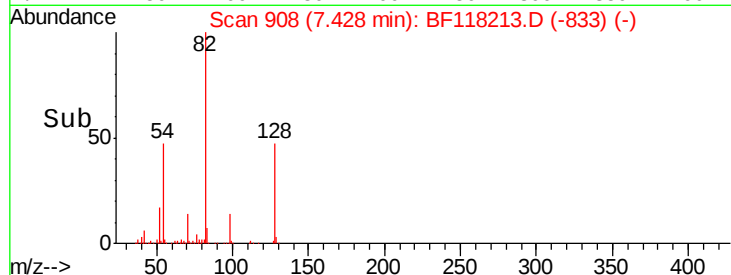
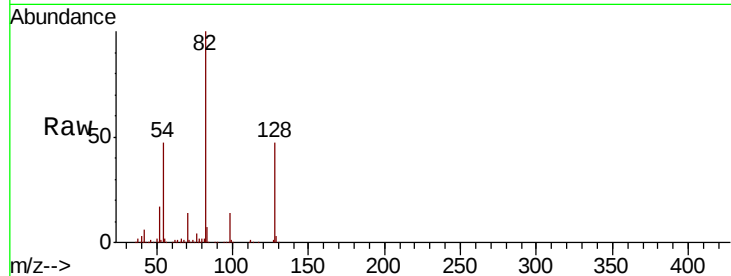
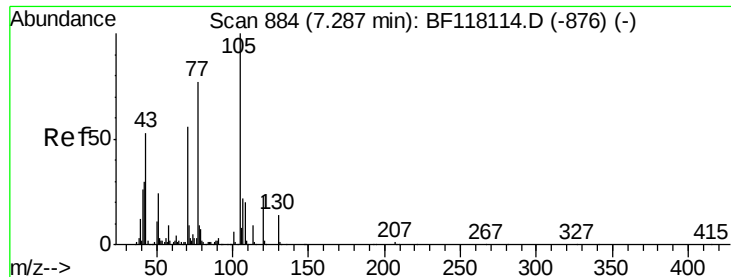
108 33.3 62.7 94.1#

77 119.2 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

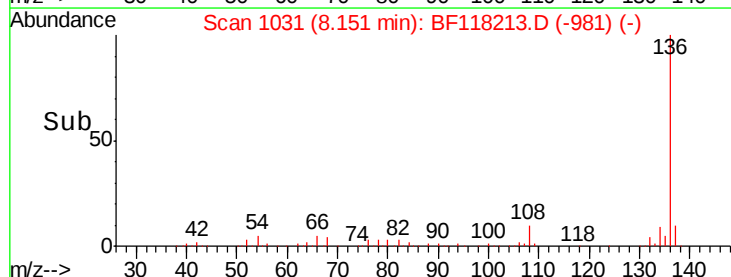
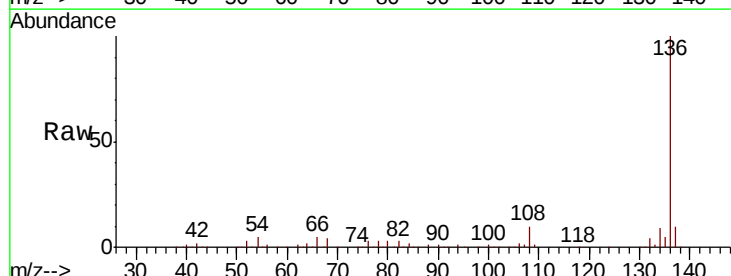
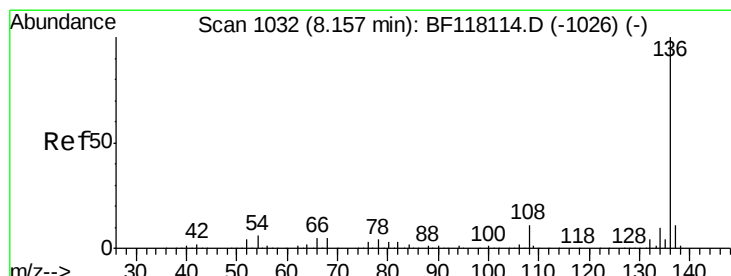
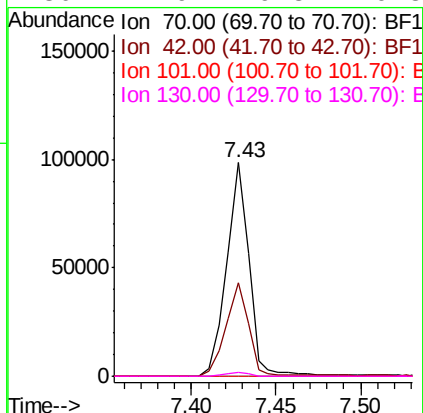




#19
n-Nitroso-di-n-propylamine
Concen: 19.686 ng
RT: 7.43 min Scan# 908
Delta R.T. 0.14 min
Lab File: BF118213.D
Acq: 16 Dec 2019 23:03

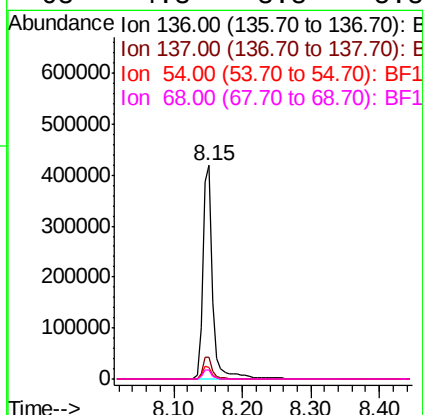
Instrument :
BNA_F
ClientSampleId :

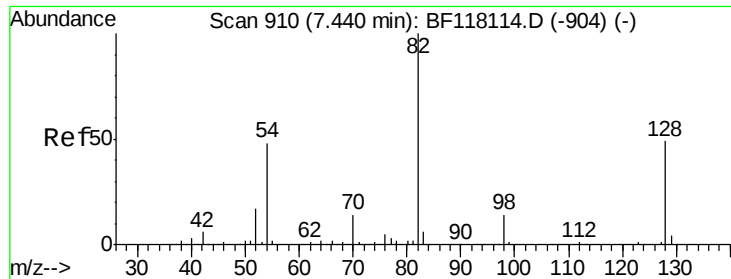
Tot Ion: 70 Resp: 90845
Ion Ratio Lower Upper
70 100
42 43.6 43.2 64.8
101 0.0 8.1 12.1#
130 1.9 19.8 29.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF118213.D
Acq: 16 Dec 2019 23:03

Tgt Ion: 136 Resp: 430216
Ion Ratio Lower Upper
136 100
137 10.4 9.0 13.6
54 5.5 5.0 7.6
68 4.3 3.8 5.8

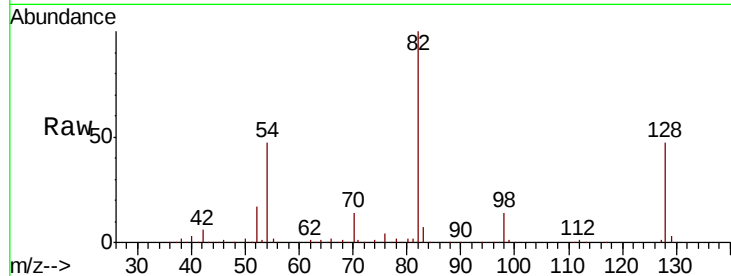




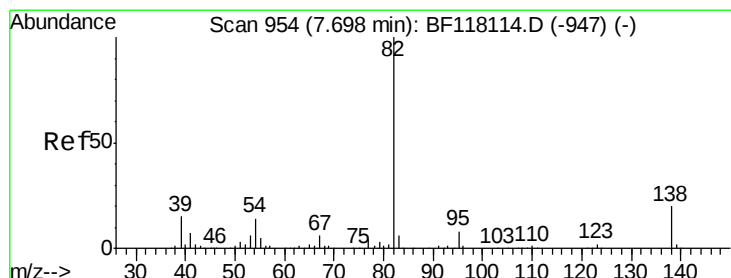
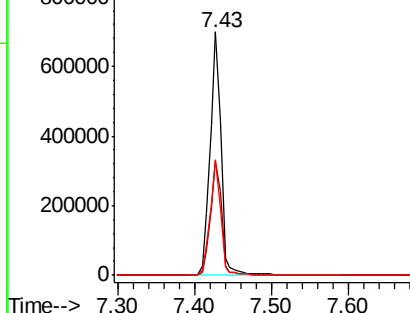
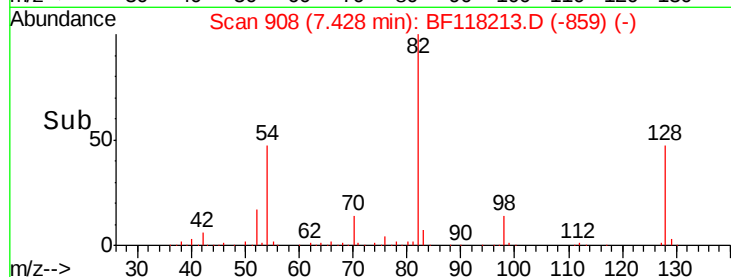
#23
 Nitrobenzene-d5
 Concen: 89.767 ng
 RT: 7.43 min Scan# 908
 Delta R.T. -0.01 min
 Lab File: BF118213.D
 Acq: 16 Dec 2019 23:03

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	82	Resp	686469
Ion Ratio	100	Lower	Upper
128	47.0	39.1	58.7
54	47.4	38.2	57.2

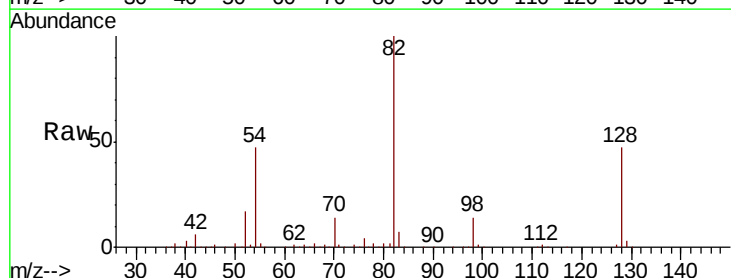


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

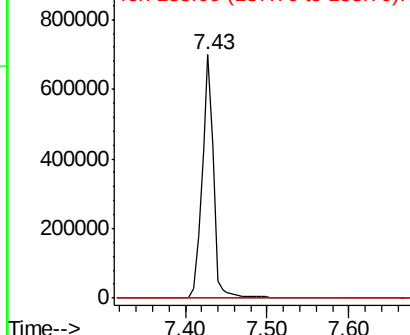
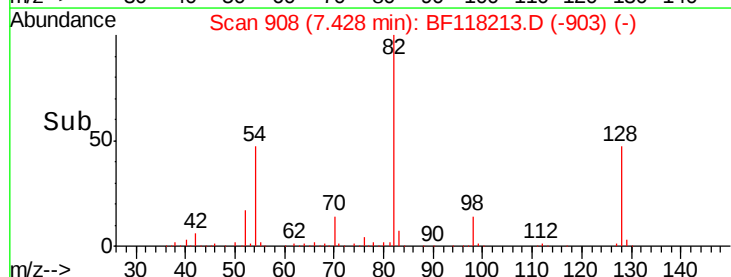


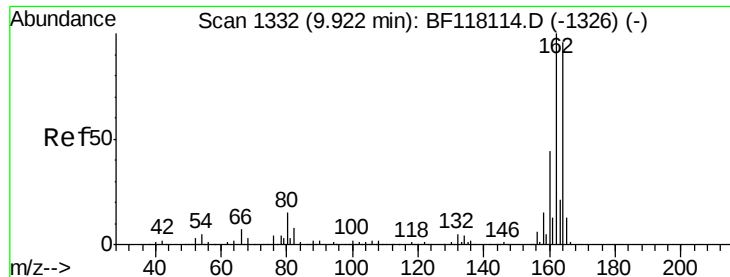
#25
 Isophorone
 Concen: 52.077 ng
 RT: 7.43 min Scan# 908
 Delta R.T. -0.27 min
 Lab File: BF118213.D
 Acq: 16 Dec 2019 23:03

Tgt Ion	82	Resp	675103
Ion Ratio	100	Lower	Upper
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

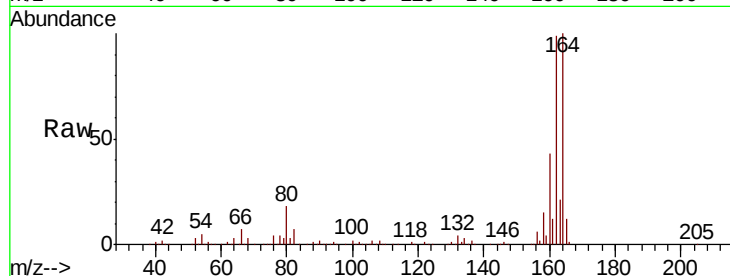




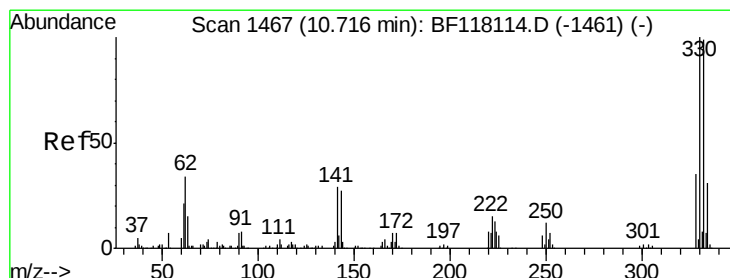
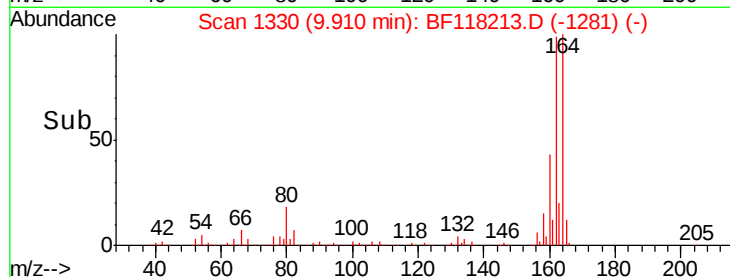
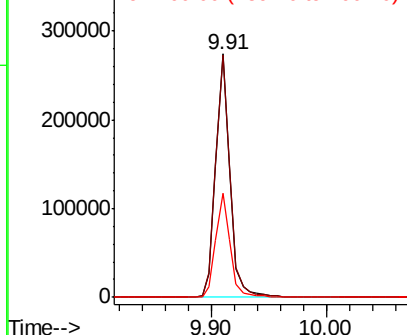
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BF118213.D
Acq: 16 Dec 2019 23:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 234226
Ion Ratio Lower Upper
164 100
162 99.3 83.4 125.0
160 42.6 36.6 54.8

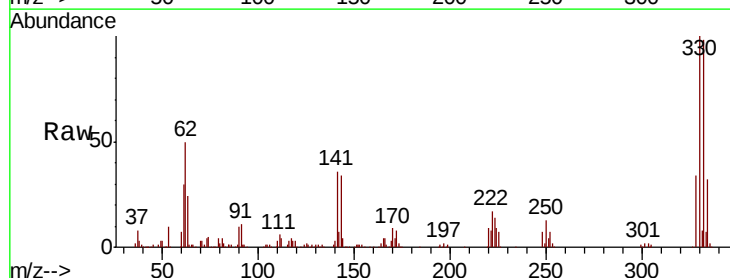


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

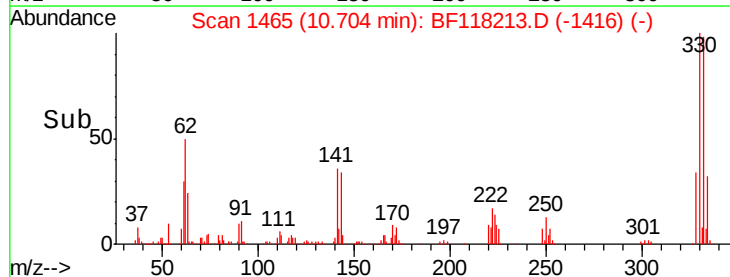
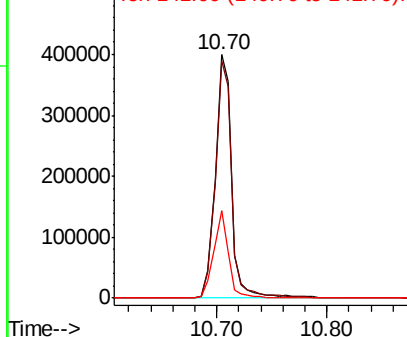


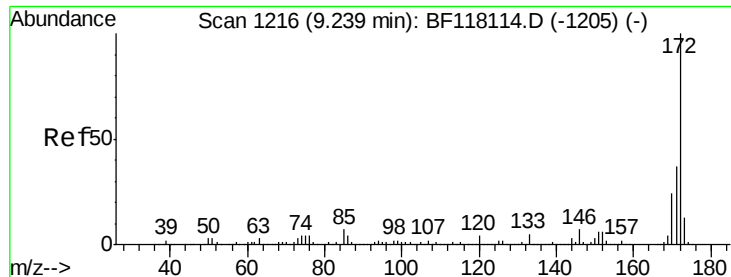
#42
2,4,6-Tribromophenol
Concen: 143.322 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.01 min
Lab File: BF118213.D
Acq: 16 Dec 2019 23:03

Tgt Ion:330 Resp: 407811
Ion Ratio Lower Upper
330 100
332 98.0 78.1 117.1
141 32.8 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



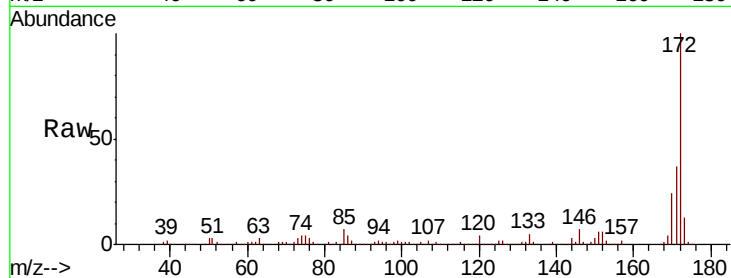


#45
 2-Fluorobiphenyl
 Concen: 92.449 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF118213.D
 Acq: 16 Dec 2019 23:03

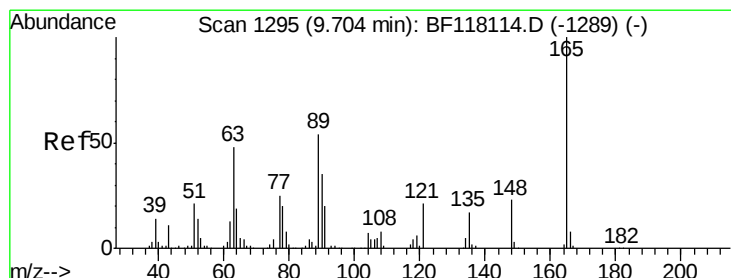
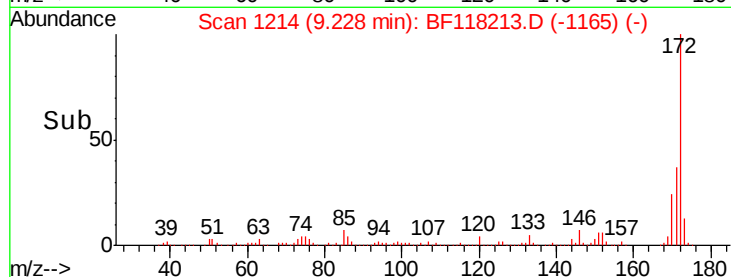
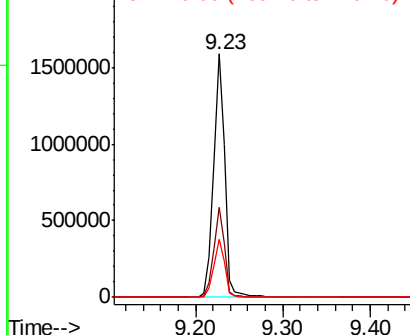
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1423058

Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.2	43.8
170	23.9	19.4	29.2



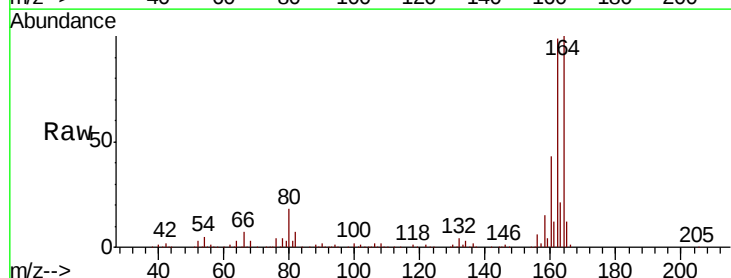
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



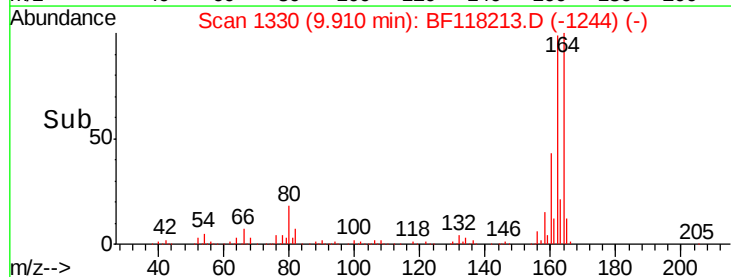
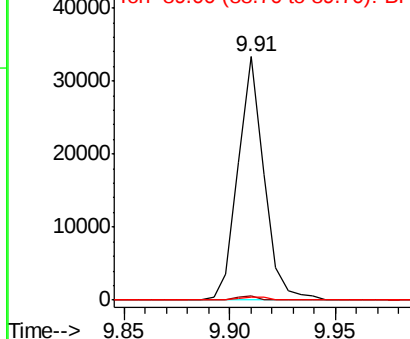
#51
 2,6-Dinitrotoluene
 Concen: 7.553 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. 0.21 min
 Lab File: BF118213.D
 Acq: 16 Dec 2019 23:03

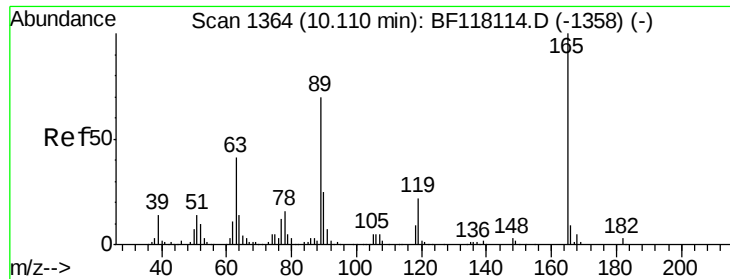
Tgt Ion:165 Resp: 28414

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

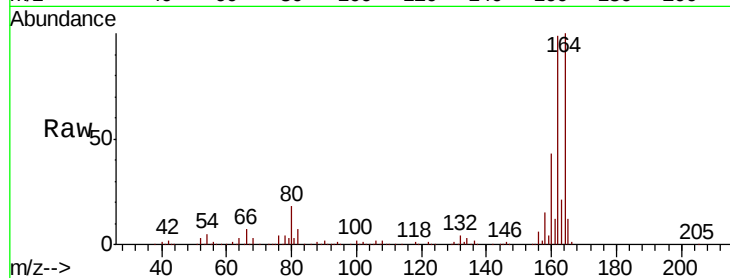




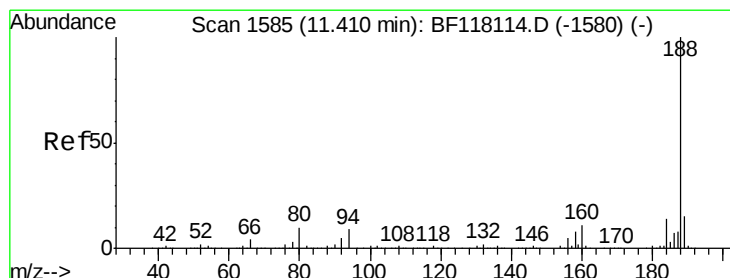
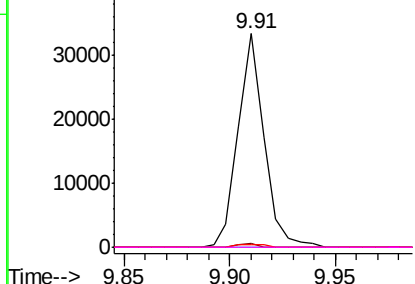
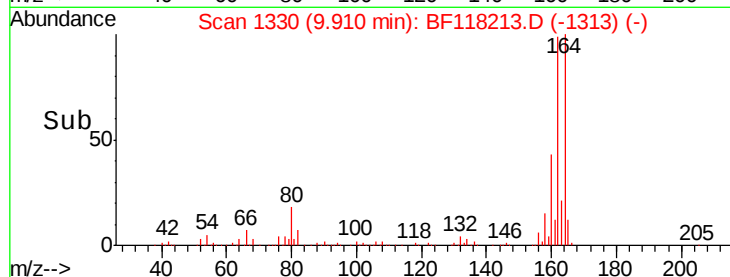
#57
 2,4-Dinitrotoluene
 Concen: 5.659 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.20 min
 Lab File: BF118213.D
 Acq: 16 Dec 2019 23:03

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:165 Resp: 28414
 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#

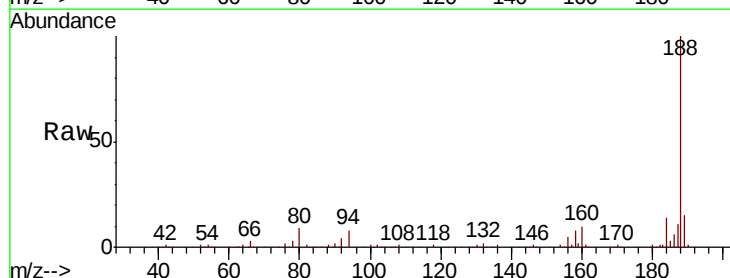


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

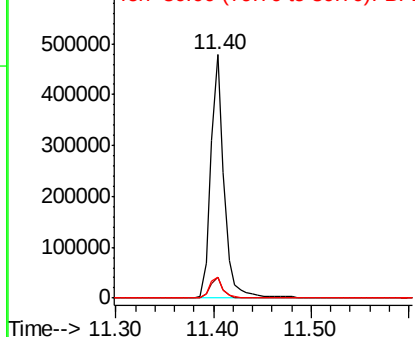
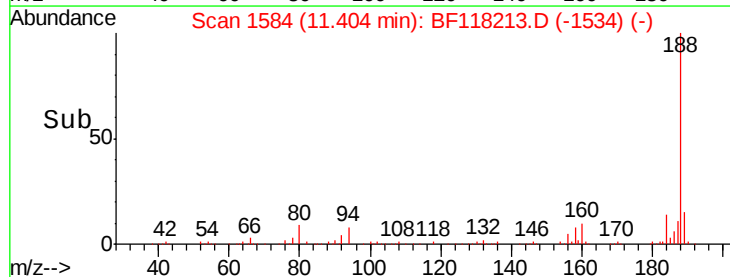


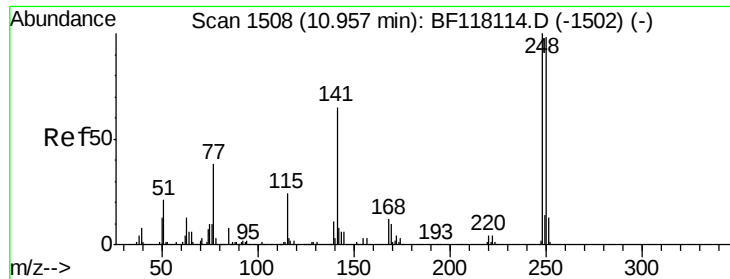
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF118213.D
 Acq: 16 Dec 2019 23:03

Tgt Ion:188 Resp: 449410
 Ion Ratio Lower Upper
 188 100
 94 8.4 7.1 10.7
 80 8.5 7.9 11.9



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

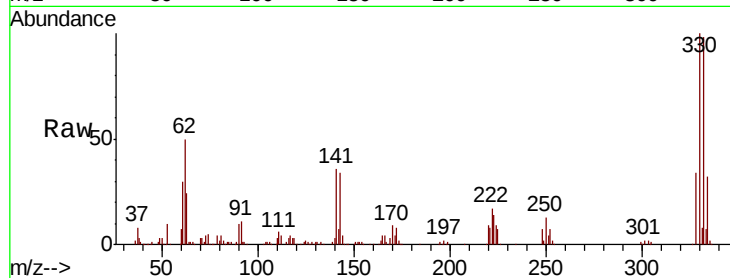




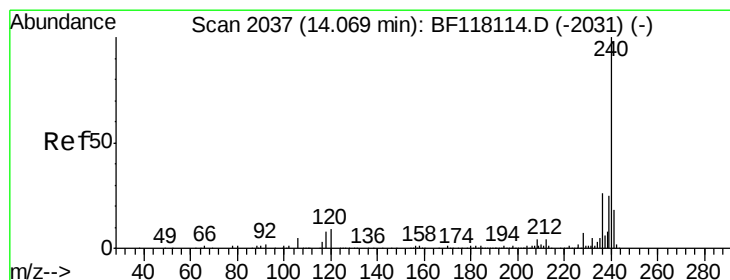
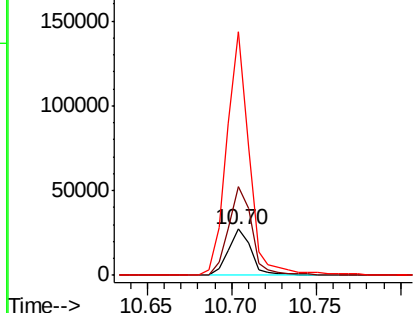
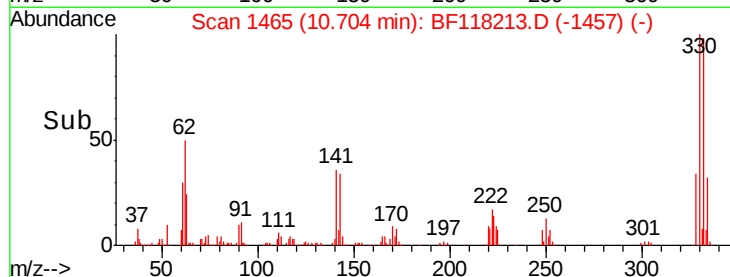
#67
4-Bromophenyl-phenylether
Concen: 5.025 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.25 min
Lab File: BF118213.D
Acq: 16 Dec 2019 23:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 25781
Ion Ratio Lower Upper
248 100
250 194.5 78.3 117.5#
141 529.9 52.2 78.4#

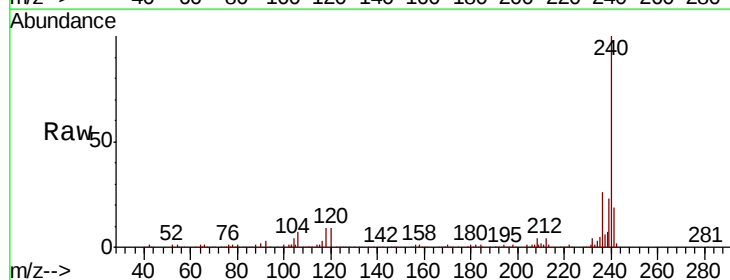


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

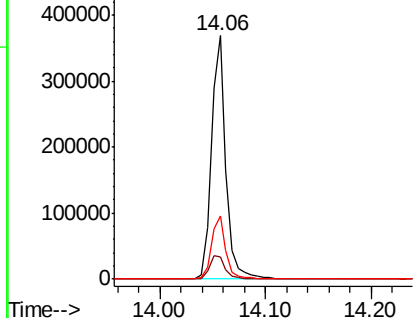
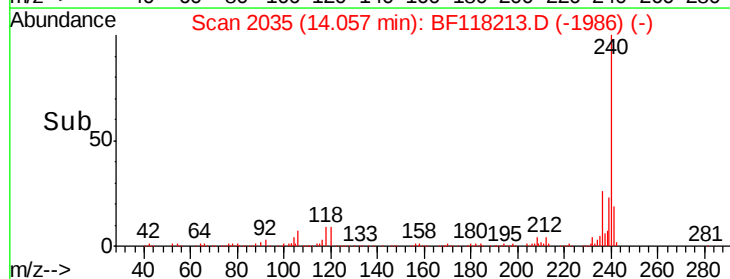


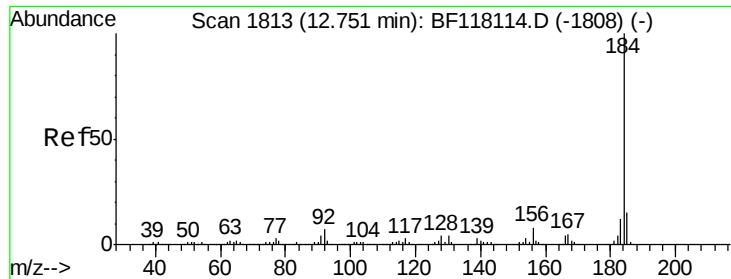
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BF118213.D
Acq: 16 Dec 2019 23:03

Tgt Ion:240 Resp: 353860
Ion Ratio Lower Upper
240 100
120 9.3 7.1 10.7
236 26.1 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: 12.467 ng

RT: 12.75 min Scan# 1812

Delta R.T. -0.01 min

Lab File: BF118213.D

Acq: 16 Dec 2019 23:03

Instrument :

BNA_F

ClientSampleId :

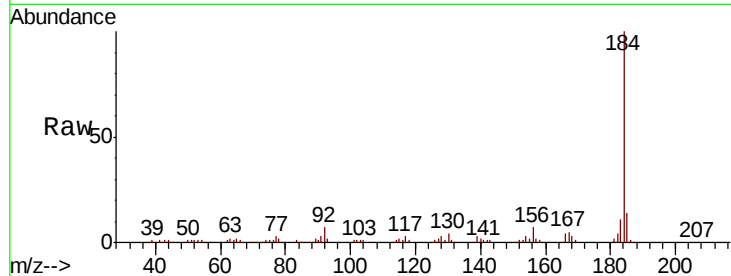
Tot Ion:184 Resp: 116139

Ion Ratio Lower Upper

184 100

185 14.1 12.3 18.5

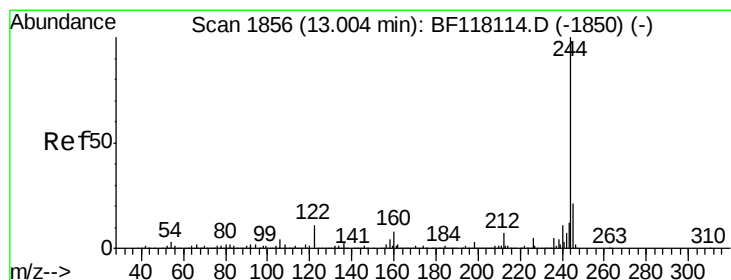
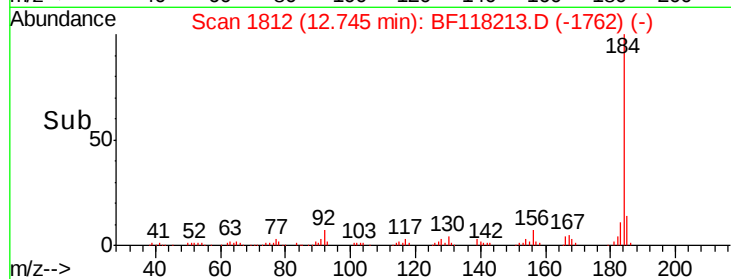
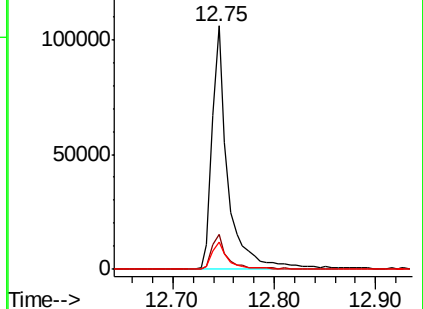
183 11.3 9.9 14.9



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: 93.950 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.01 min

Lab File: BF118213.D

Acq: 16 Dec 2019 23:03

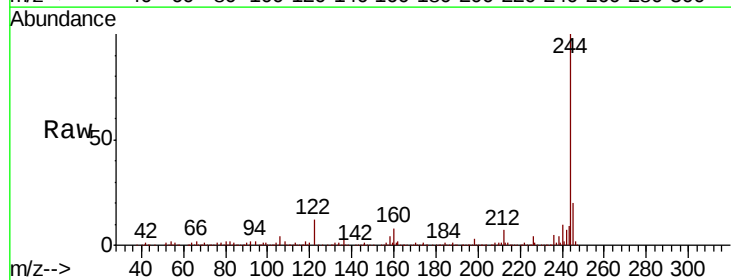
Tgt Ion:244 Resp: 1933274

Ion Ratio Lower Upper

244 100

212 7.1 5.9 8.9

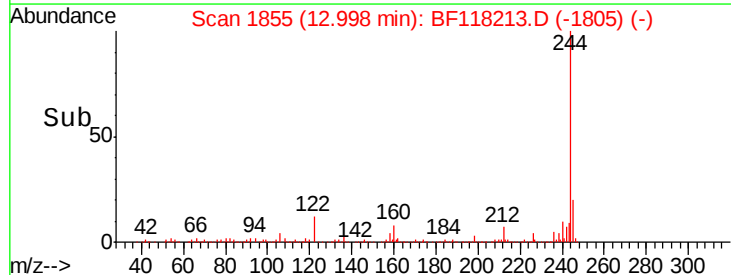
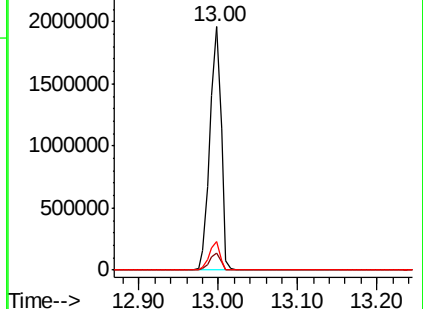
122 11.7 9.0 13.6

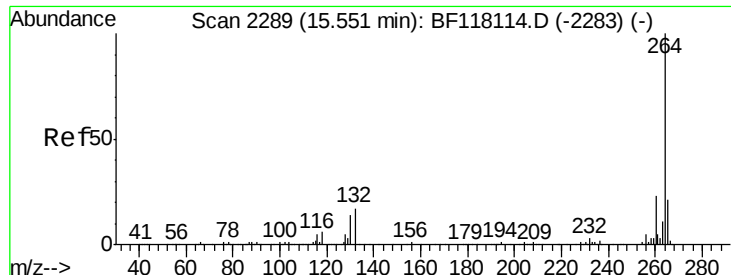


Abundance Ion 244.00 (243.70 to 244.70): E

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: BF118213.D
Acq: 16 Dec 2019 23:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 330612
Ion Ratio Lower Upper
264 100
260 23.5 18.6 28.0
265 21.6 16.8 25.2

