

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121019\
 Data File : BF118170.D
 Acq On : 10 Dec 2019 18:34
 Operator : JU
 Sample : K6188-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 11 02:35:11 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

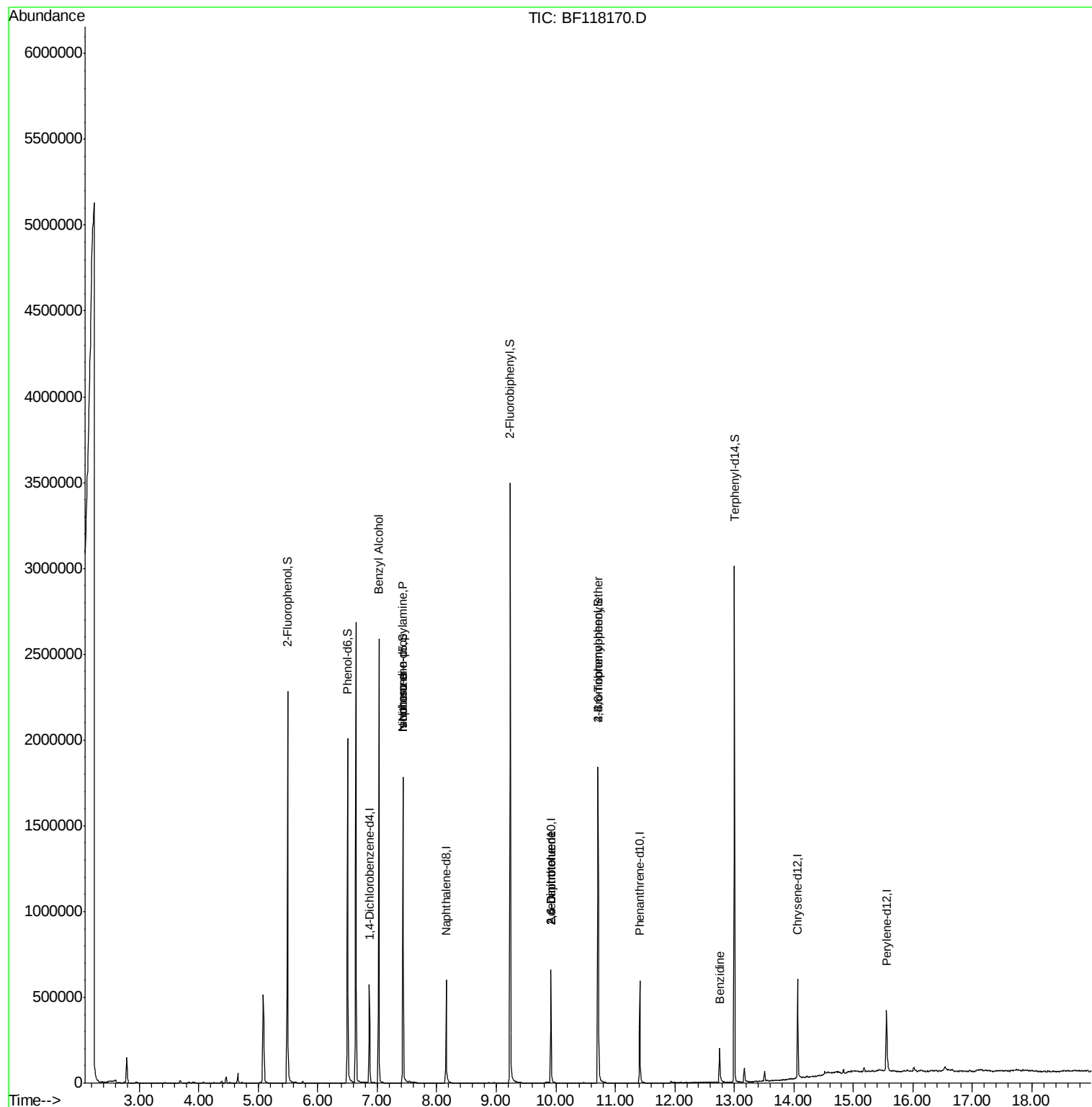
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	77643	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	284352	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	139260	20.00	ng	0.00
64) Phenanthrene-d10	11.41	188	231069	20.00	ng	0.00
76) Chrysene-d12	14.06	240	192783	20.00	ng	0.00
87) Perylene-d12	15.56	264	181863	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	647888	146.15	ng	0.01
7) Phenol-d6	6.50	99	706300	131.73	ng	0.00
23) Nitrobenzene-d5	7.43	82	528234	104.51	ng	0.00
42) 2,4,6-Tribromophenol	10.71	330	245307	145.00	ng	0.00
45) 2-Fluorobiphenyl	9.23	172	1050045	114.73	ng	0.00
79) Terphenyl-d14	13.00	244	1076412	96.02	ng	0.00
Target Compounds						
9) Benzaldehyde	6.50	77	916	Below Cal	Qvalue	# 1
15) Benzyl Alcohol	7.03	79	9669	2.310	ng	# 48
19) n-Nitroso-di-n-propylamine	7.43	70	72079	22.123	ng	# 78
25) Isophorone	7.43	82	523638	61.113	ng	# 62
51) 2,6-Dinitrotoluene	9.92	165	17481	7.816	ng	# 27
57) 2,4-Dinitrotoluene	9.92	165	17481	5.855	ng	# 25
67) 4-Bromophenyl-phenylether	10.71	248	15125	5.734	ng	# 1
77) Benzydine	12.75	184	101256	19.952	ng	97

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

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Quant Time: Dec 11 02:35:11 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



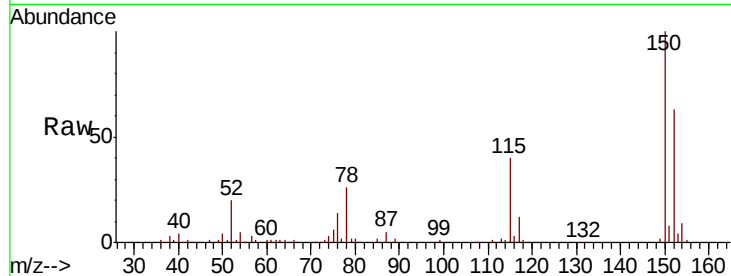


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.00 min
Lab File: BF118170.D
Acq: 10 Dec 2019 18:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.6	128.3	192.5
115	63.2	51.1	76.7

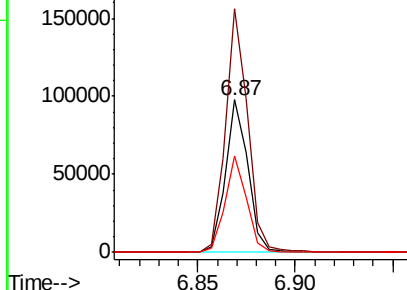
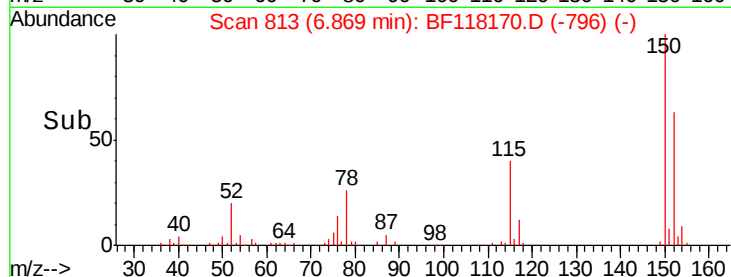


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

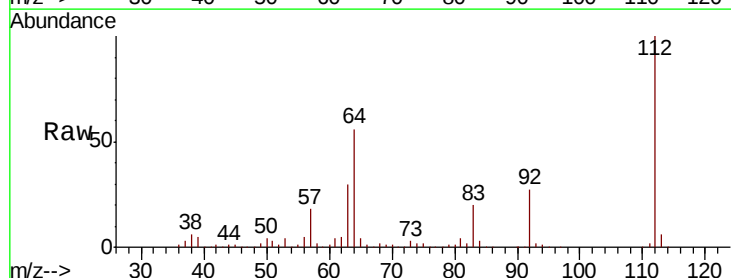
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 146.150 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.01 min
Lab File: BF118170.D
Acq: 10 Dec 2019 18:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.7	41.3	61.9
63	30.3	22.4	33.6

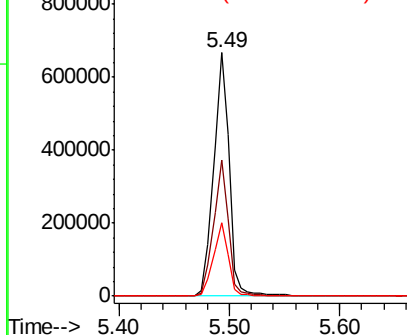
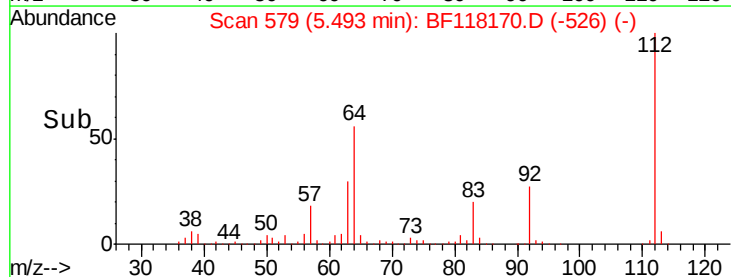


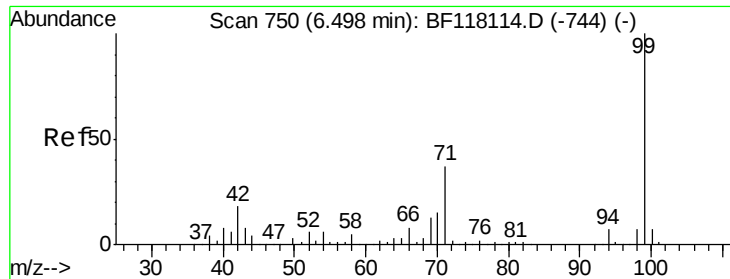
Abundance

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: 131.726 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.01 min

Lab File: BF118170.D

Acq: 10 Dec 2019 18:34

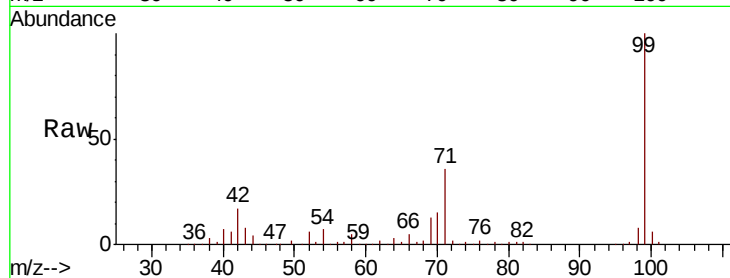
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 706300

Ion	Ratio	Lower	Upper
99	100		
42	16.6	14.1	21.1
71	36.5	29.7	44.5

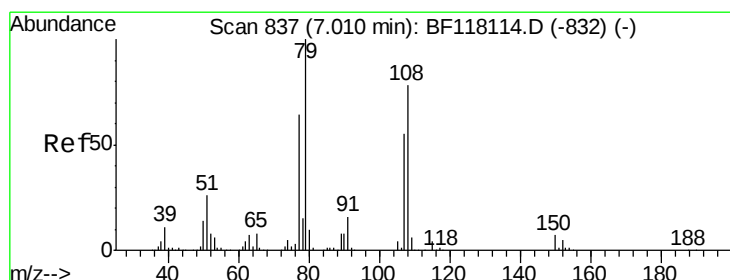
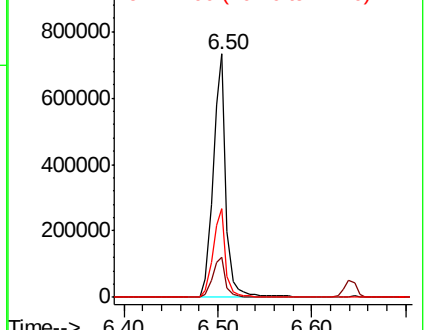
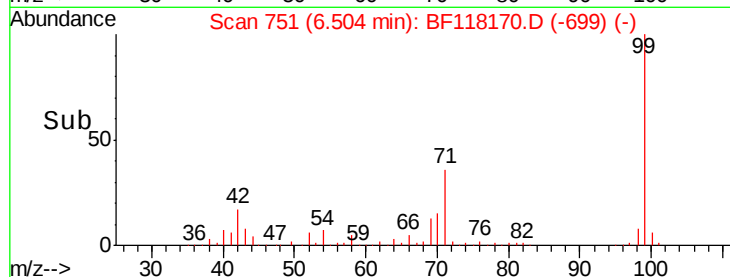


Abundance

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



#15

Benzyl Alcohol

Concen: 2.310 ng

RT: 7.03 min Scan# 840

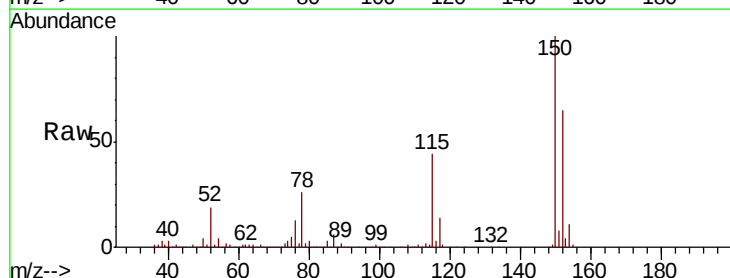
Delta R.T. 0.02 min

Lab File: BF118170.D

Acq: 10 Dec 2019 18:34

Tgt Ion: 79 Resp: 9669

Ion	Ratio	Lower	Upper
79	100		
108	29.0	62.7	94.1#
77	99.9	51.4	77.2#

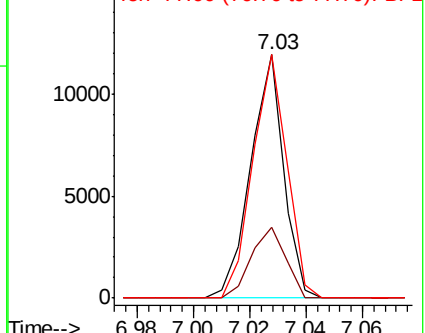
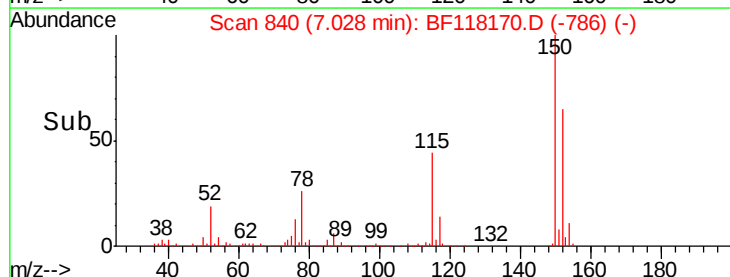


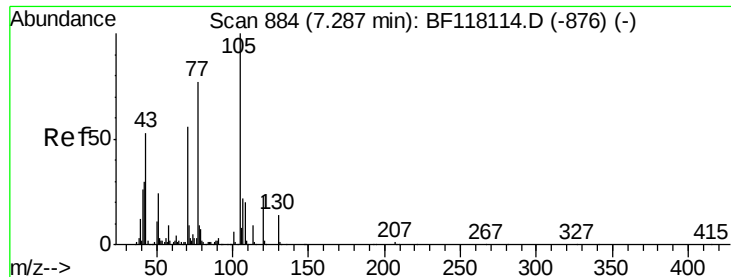
Abundance

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

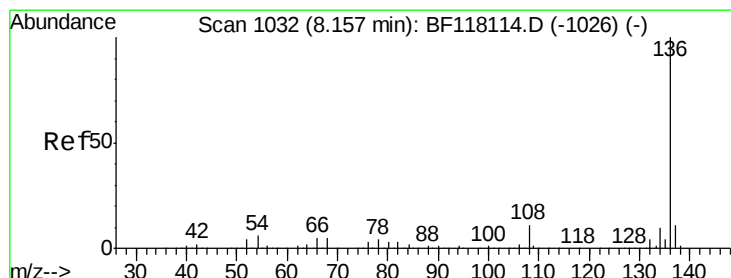
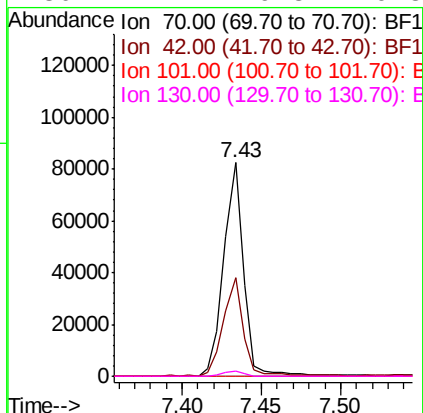
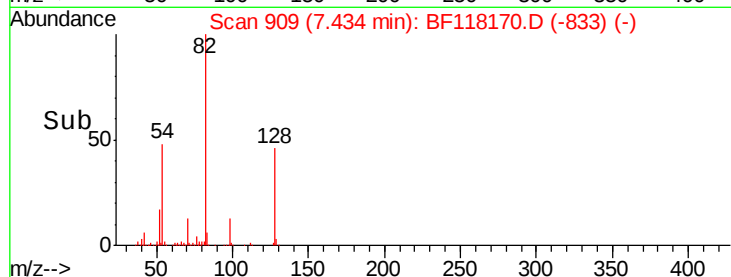
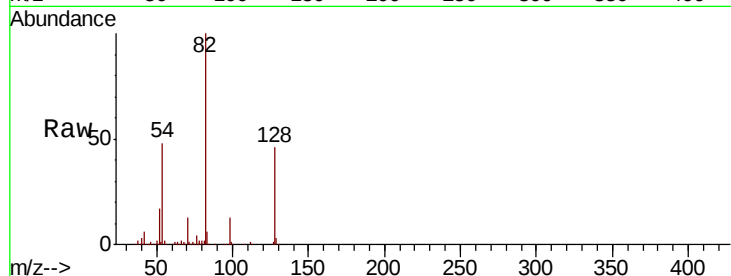




#19
n-Nitroso-di-n-propylamine
Concen: 22.123 ng
RT: 7.43 min Scan# 909
Delta R.T. 0.15 min
Lab File: BF118170.D
Acq: 10 Dec 2019 18:34

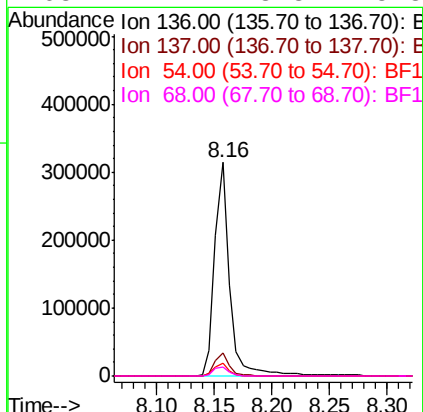
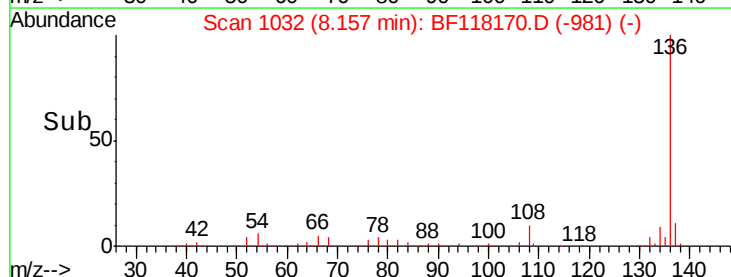
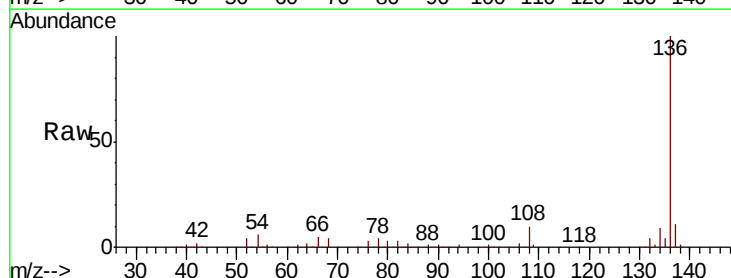
Instrument :
BNA_F
ClientSampleId :

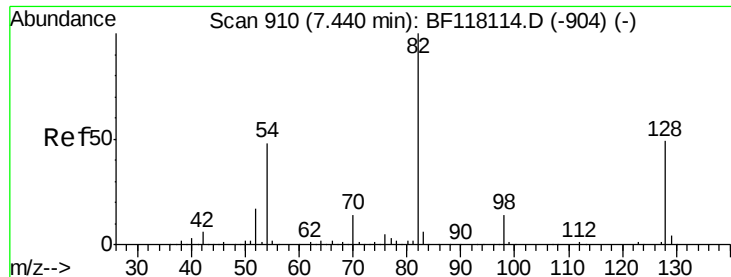
Tot Ion: 70 Resp: 72079
Ion Ratio Lower Upper
70 100
42 46.3 43.2 64.8
101 0.0 8.1 12.1#
130 2.2 19.8 29.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.00 min
Lab File: BF118170.D
Acq: 10 Dec 2019 18:34

Tgt Ion:136 Resp: 284352
Ion Ratio Lower Upper
136 100
137 10.6 9.0 13.6
54 5.8 5.0 7.6
68 4.1 3.8 5.8

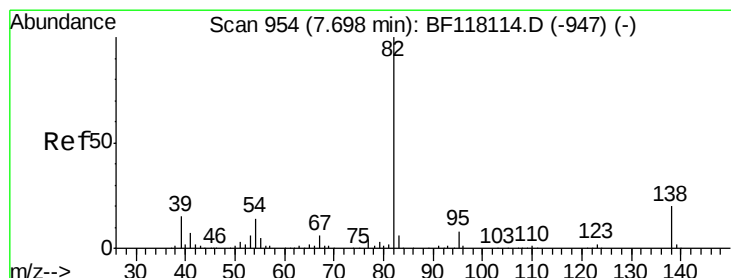
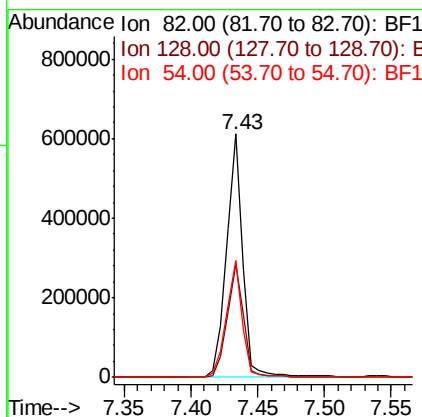
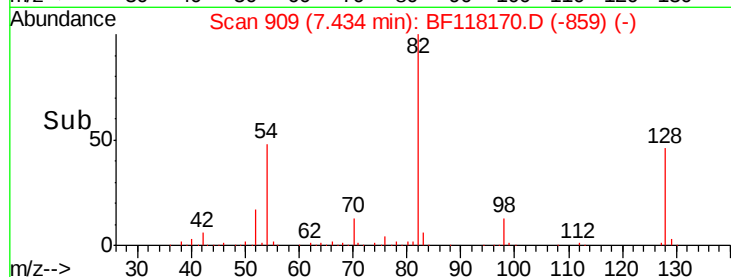
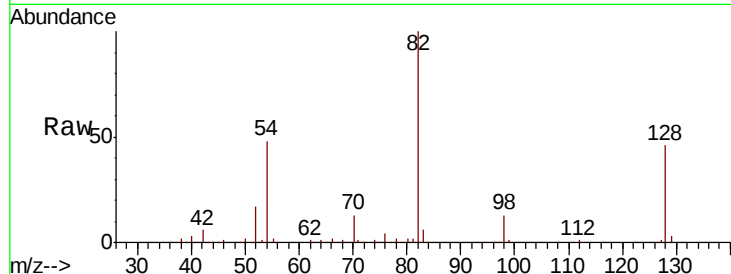




#23
 Nitrobenzene-d5
 Concen: 104.509 ng
 RT: 7.43 min Scan# 909
 Delta R.T. -0.01 min
 Lab File: BF118170.D
 Acq: 10 Dec 2019 18:34

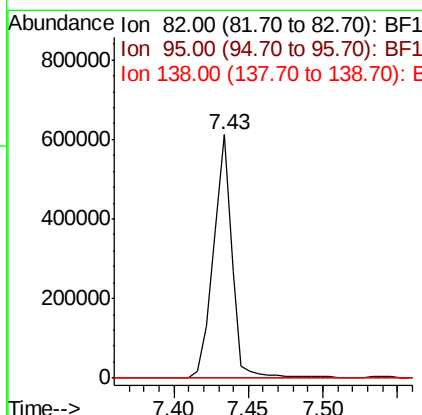
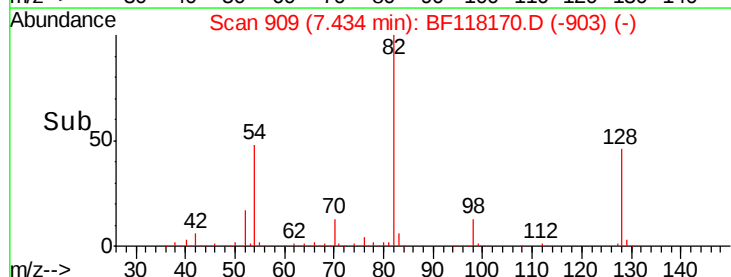
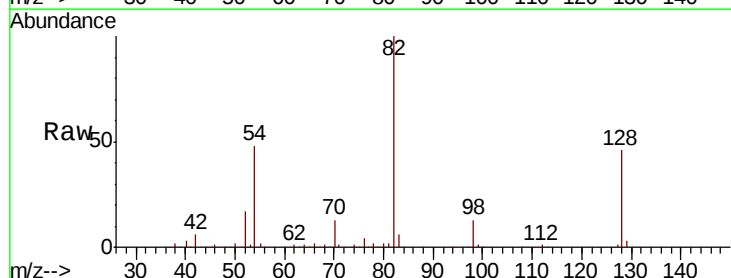
Instrument :
 BNA_F
 ClientSampleId :

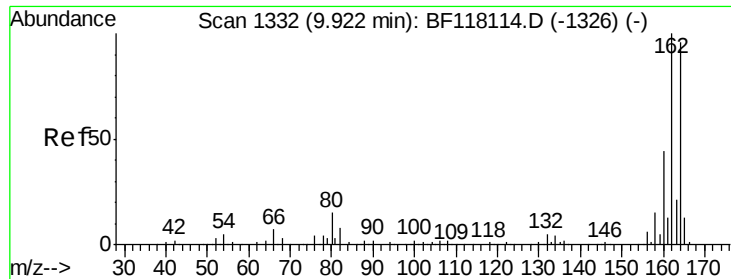
Tot Ion: 82 Resp: 528234
 Ion Ratio Lower Upper
 82 100
 128 46.3 39.1 58.7
 54 47.9 38.2 57.2



#25
 Isophorone
 Concen: 61.113 ng
 RT: 7.43 min Scan# 909
 Delta R.T. -0.26 min
 Lab File: BF118170.D
 Acq: 10 Dec 2019 18:34

Tgt Ion: 82 Resp: 523638
 Ion Ratio Lower Upper
 82 100
 95 0.0 6.3 9.5#
 138 0.0 16.3 24.5#

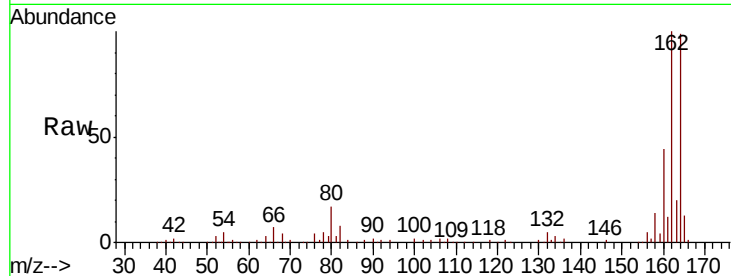




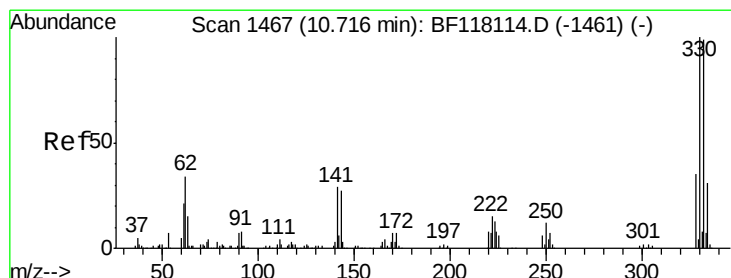
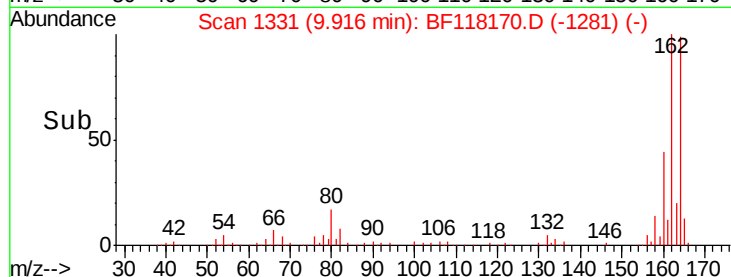
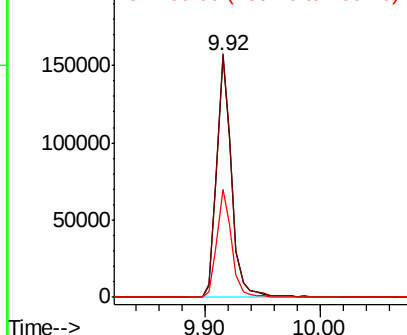
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF118170.D
Acq: 10 Dec 2019 18:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 139260
Ion Ratio Lower Upper
164 100
162 100.7 83.4 125.0
160 44.4 36.6 54.8

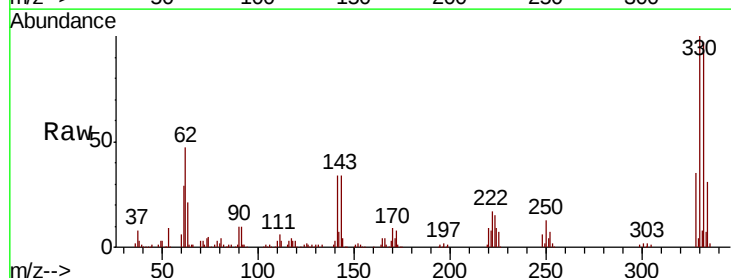


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

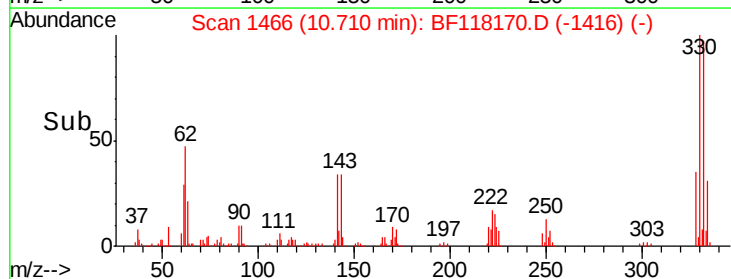
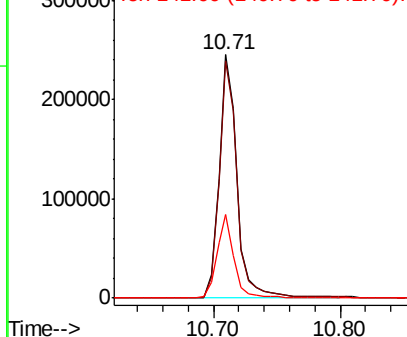


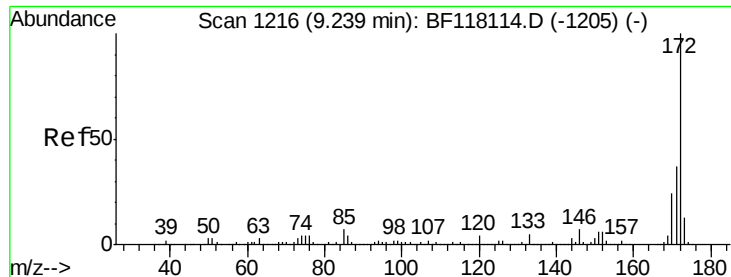
#42
2,4,6-Tribromophenol
Concen: 145.002 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.01 min
Lab File: BF118170.D
Acq: 10 Dec 2019 18:34

Tgt Ion:330 Resp: 245307
Ion Ratio Lower Upper
330 100
332 98.2 78.1 117.1
141 32.9 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

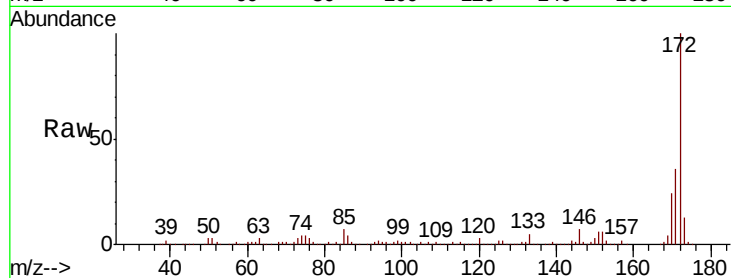




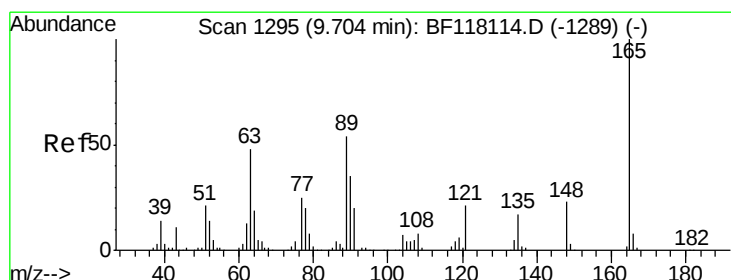
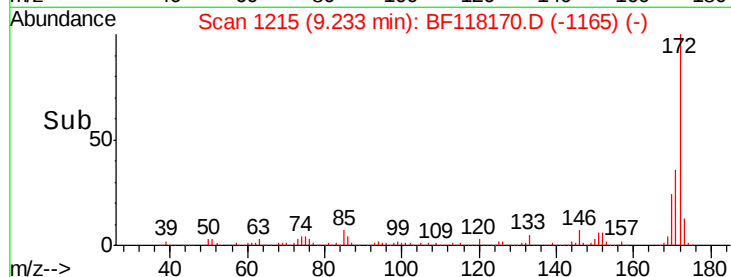
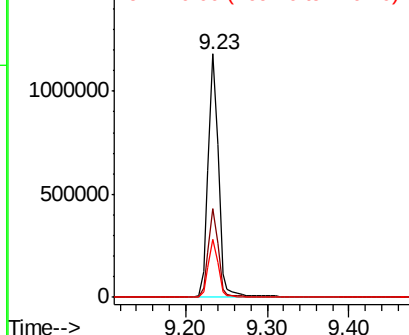
#45
2-Fluorobiphenyl
Concen: 114.735 ng
RT: 9.23 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF118170.D
Acq: 10 Dec 2019 18:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1050045
Ion Ratio Lower Upper
172 100
171 36.3 29.2 43.8
170 23.9 19.4 29.2

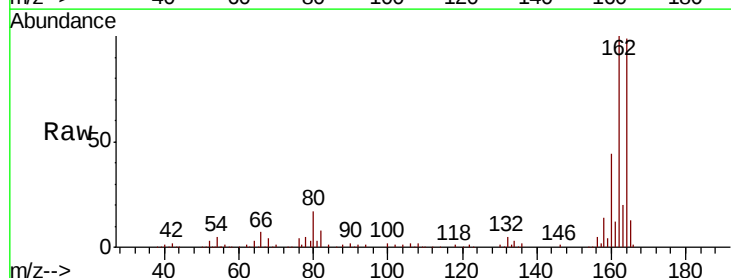


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

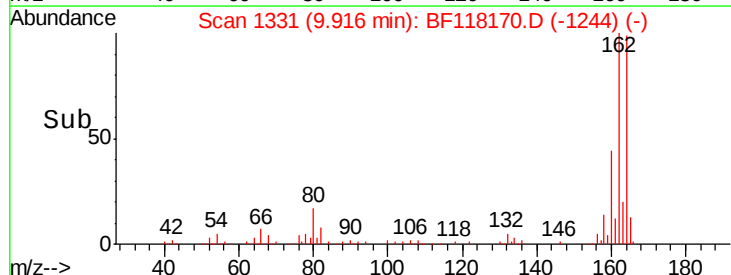
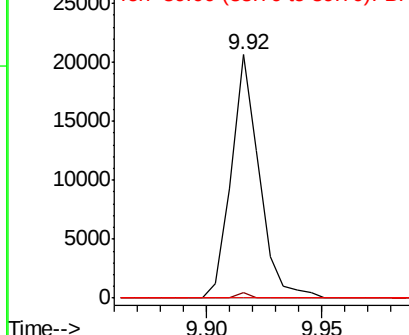


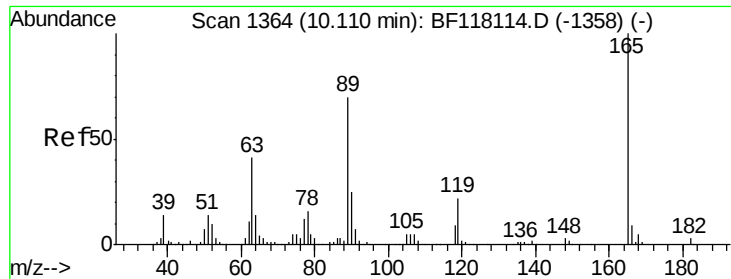
#51
2,6-Dinitrotoluene
Concen: 7.816 ng
RT: 9.92 min Scan# 1331
Delta R.T. 0.21 min
Lab File: BF118170.D
Acq: 10 Dec 2019 18:34

Tgt Ion:165 Resp: 17481
Ion Ratio Lower Upper
165 100
63 2.2 41.4 62.0#
89 0.0 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: 5.855 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.19 min

Lab File: BF118170.D

Acq: 10 Dec 2019 18:34

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 17481

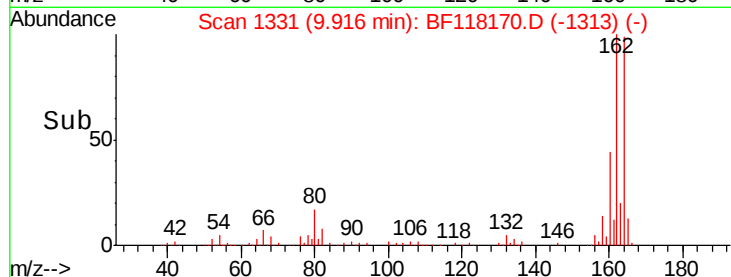
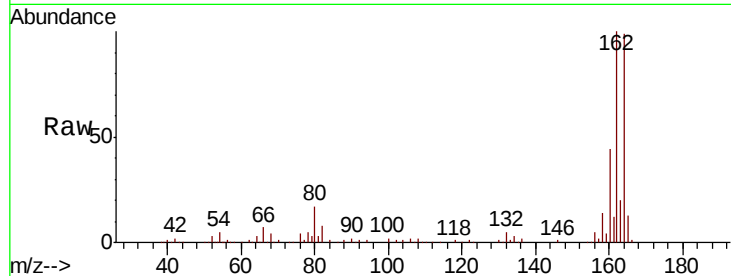
Ion Ratio Lower Upper

165 100

63 2.2 32.6 49.0#

89 0.0 56.1 84.1#

182 0.0 2.1 3.1#

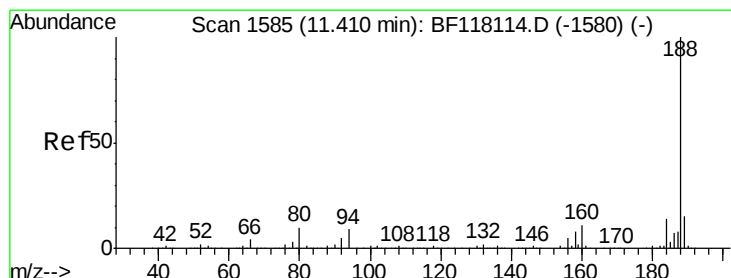
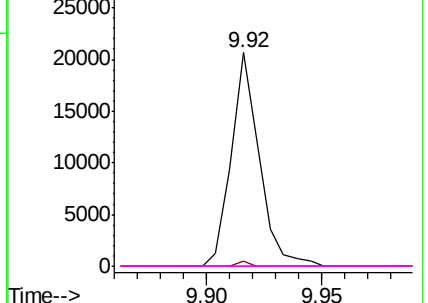


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.41 min Scan# 1585

Delta R.T. -0.00 min

Lab File: BF118170.D

Acq: 10 Dec 2019 18:34

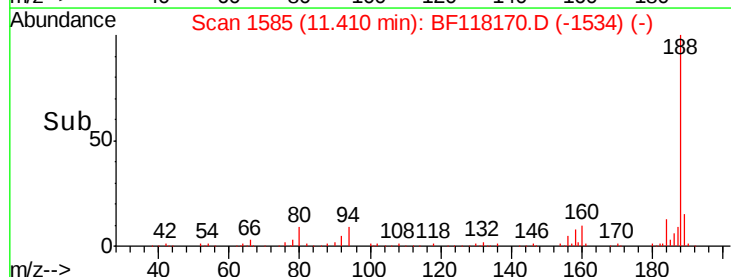
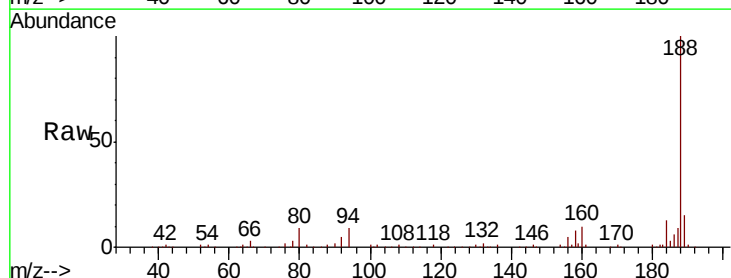
Tgt Ion:188 Resp: 231069

Ion Ratio Lower Upper

188 100

94 9.1 7.1 10.7

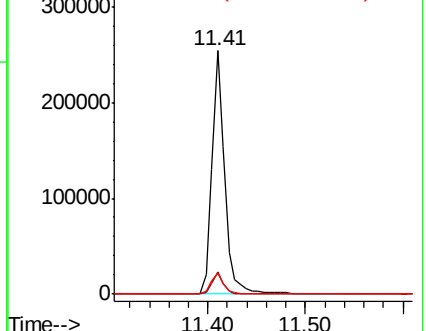
80 8.6 7.9 11.9

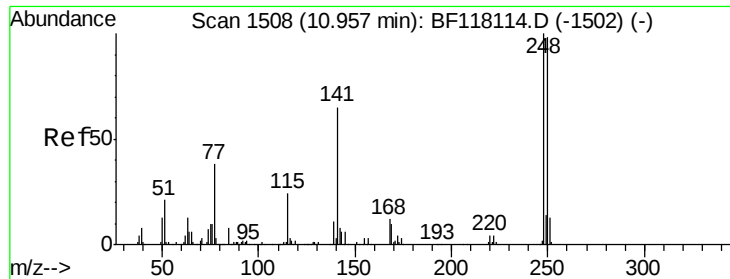


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

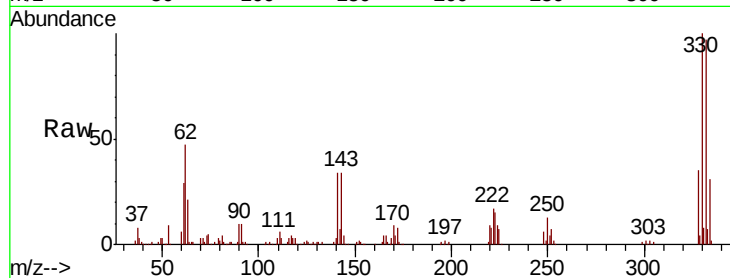




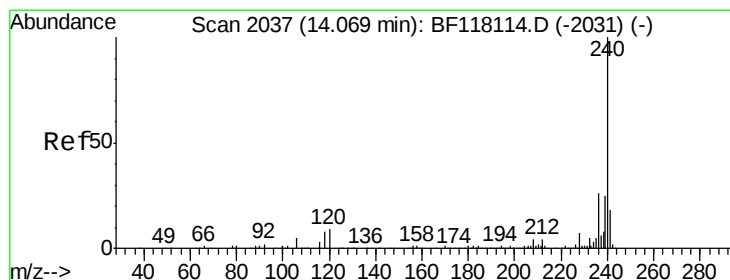
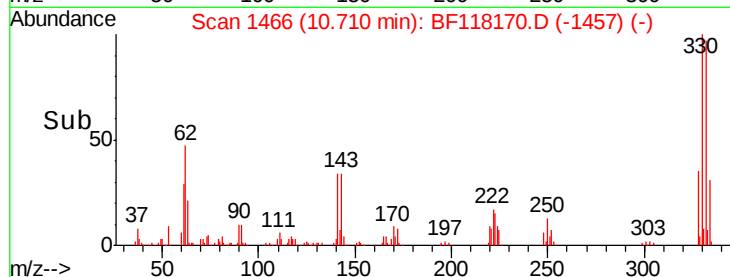
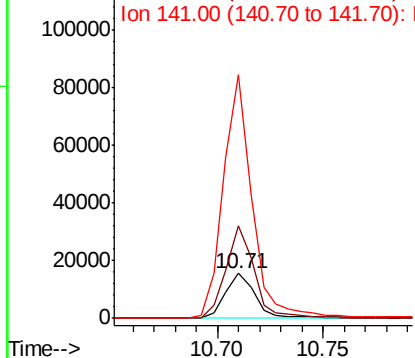
#67
4-Bromophenyl-phenylether
Concen: 5.734 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.25 min
Lab File: BF118170.D
Acq: 10 Dec 2019 18:34

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 15125
Ion Ratio Lower Upper
248 100
250 204.5 78.3 117.5#
141 539.9 52.2 78.4#

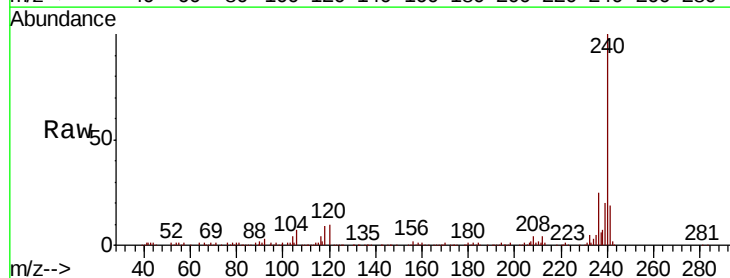


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

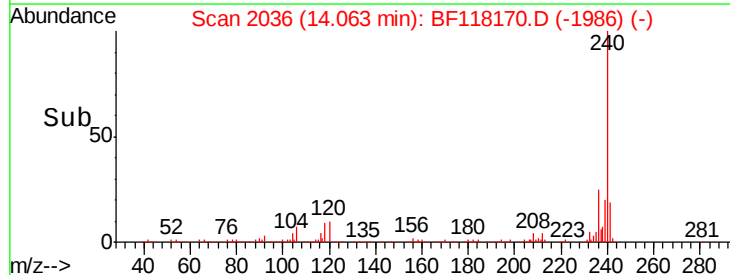
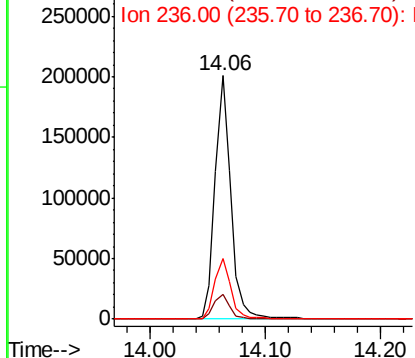


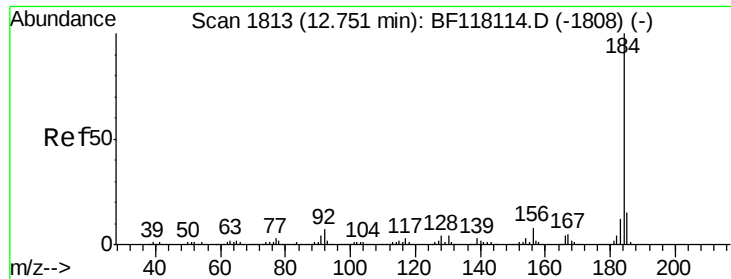
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2036
Delta R.T. -0.01 min
Lab File: BF118170.D
Acq: 10 Dec 2019 18:34

Tgt Ion:240 Resp: 192783
Ion Ratio Lower Upper
240 100
120 10.3 7.1 10.7
236 25.0 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: 19.952 ng

RT: 12.75 min Scan# 1813

Delta R.T. -0.00 min

Lab File: BF118170.D

Acq: 10 Dec 2019 18:34

Instrument :

BNA_F

ClientSampleId :

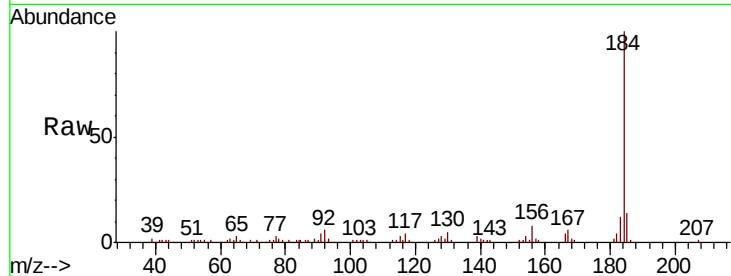
Tot Ion:184 Resp: 101256

Ion Ratio Lower Upper

184 100

185 14.0 12.3 18.5

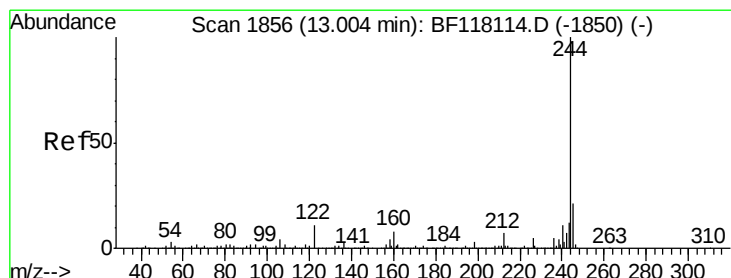
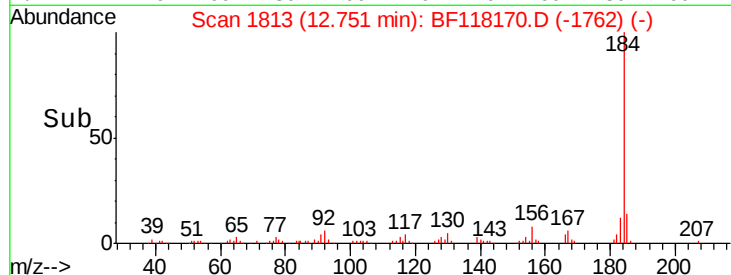
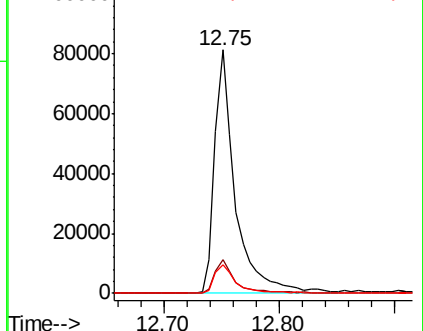
183 11.8 9.9 14.9



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: 96.016 ng

RT: 13.00 min Scan# 1856

Delta R.T. -0.00 min

Lab File: BF118170.D

Acq: 10 Dec 2019 18:34

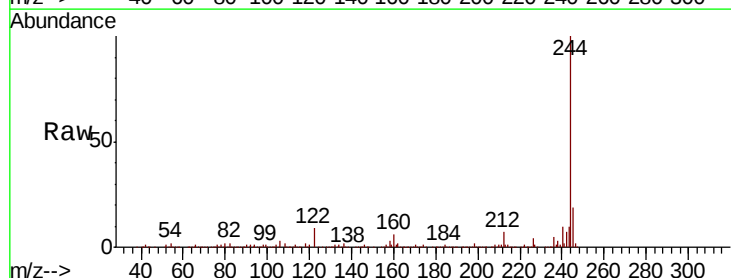
Tgt Ion:244 Resp: 1076412

Ion Ratio Lower Upper

244 100

212 6.5 5.9 8.9

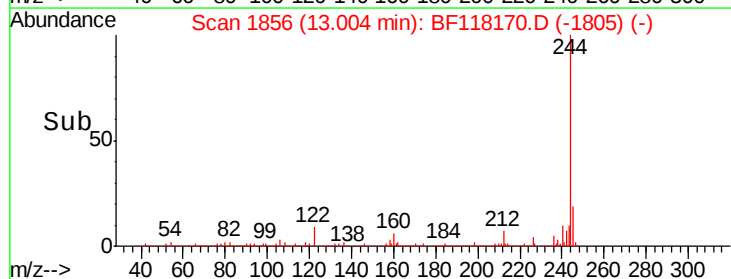
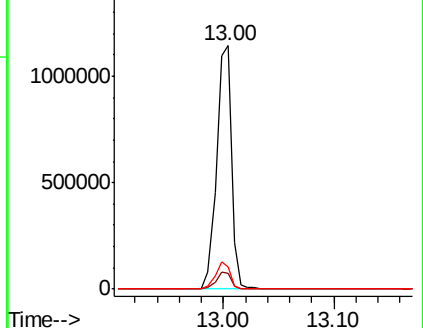
122 9.4 9.0 13.6

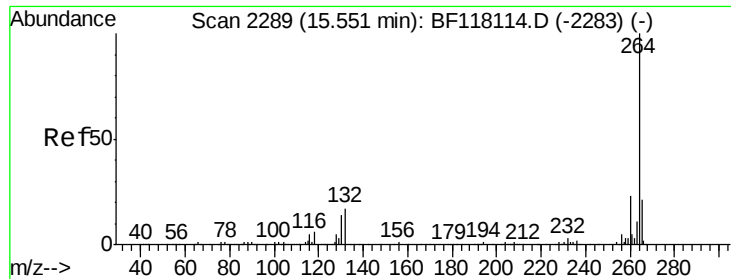


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.56 min Scan# 2290
Delta R.T. 0.01 min
Lab File: BF118170.D
Acq: 10 Dec 2019 18:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.6	28.0
265	20.2	16.8	25.2

