

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121319\
 Data File : BF118192.D
 Acq On : 13 Dec 2019 18:03
 Operator : JU
 Sample : K6265-07
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1A-D

Quant Time: Dec 13 22:46:59 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	119667	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	467536	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	243083	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	460714	20.00	ng	0.00
76) Chrysene-d12	14.06	240	289507	20.00	ng	-0.01
87) Perylene-d12	15.55	264	270263	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	645747	94.51	ng	0.00
7) Phenol-d6	6.50	99	812697	98.34	ng	0.00
23) Nitrobenzene-d5	7.43	82	474056	57.04	ng	-0.01
42) 2,4,6-Tribromophenol	10.71	330	263976	89.39	ng	0.00
45) 2-Fluorobiphenyl	9.23	172	862217	53.97	ng	-0.01
79) Terphenyl-d14	13.00	244	991028	58.87	ng	0.00

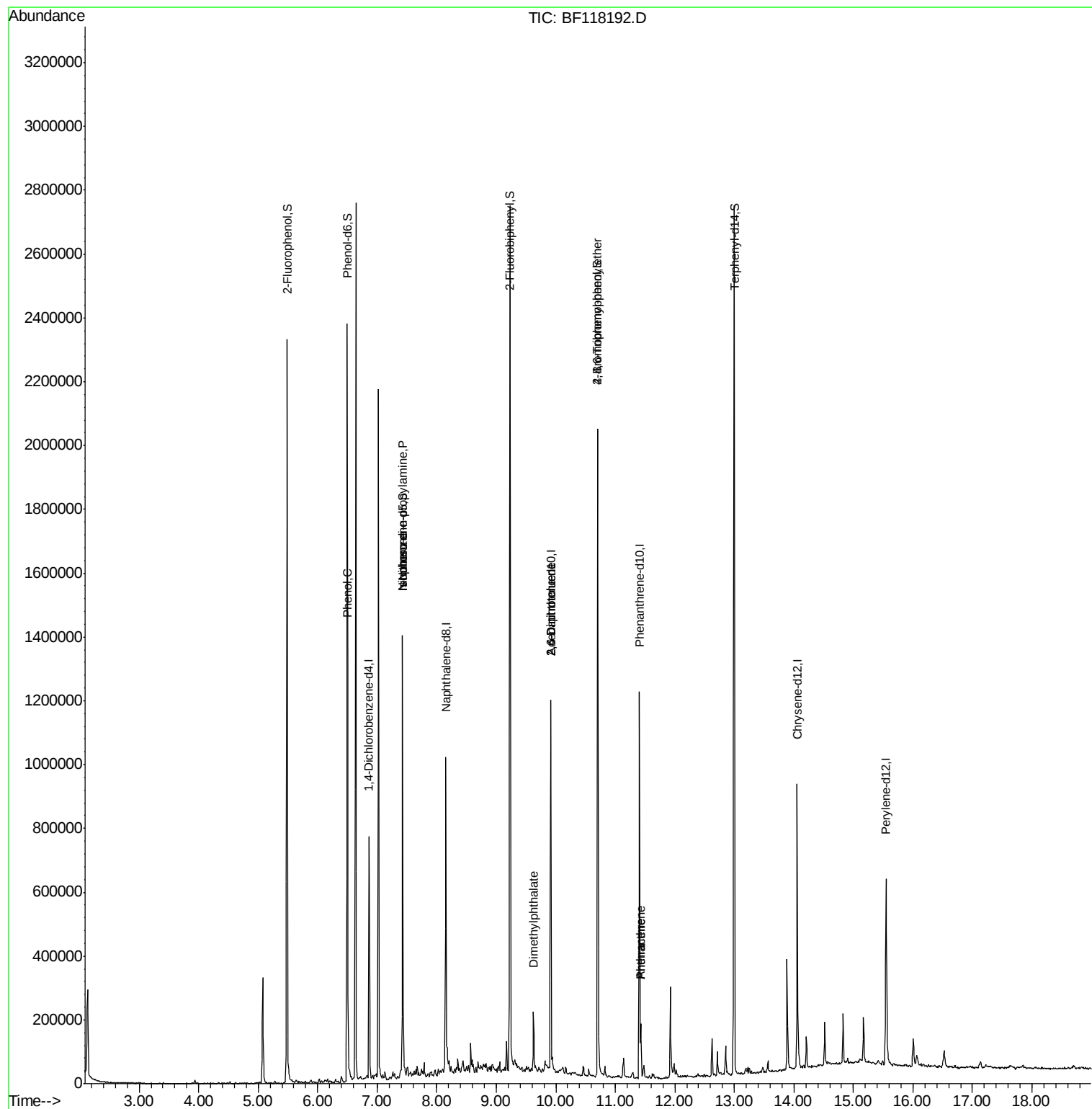
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.50	77	1570	Below Cal		# 1
10) Phenol	6.51	94	26224	2.783	ng	96
19) n-Nitroso-di-n-propylamine	7.43	70	61840	12.315	ng	# 78
25) Isophorone	7.43	82	466113	33.085	ng	# 62
50) Dimethylphthalate	9.63	163	44808	2.496	ng	99
51) 2,6-Dinitrotoluene	9.92	165	31922	8.176	ng	# 28
57) 2,4-Dinitrotoluene	9.92	165	31922	6.126	ng	# 26
67) 4-Bromophenyl-phenylether	10.70	248	16290	3.097	ng	# 1
71) Phenanthrene	11.43	178	52206	2.132	ng	98
72) Anthracene	11.43	178	52206	2.137	ng	97

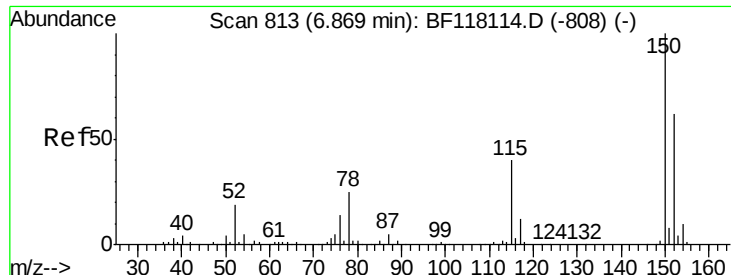
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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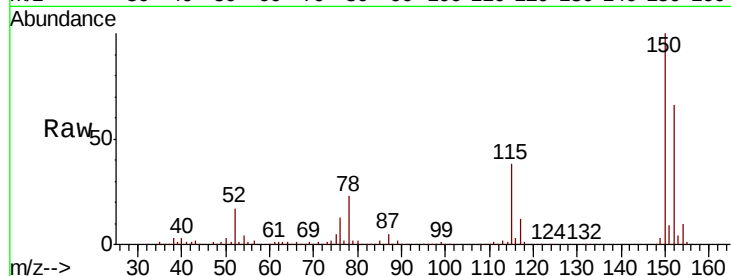


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.87 min Scan# 813
 Delta R.T. -0.00 min
 Lab File: BF118192.D
 Acq: 13 Dec 2019 18:03

Instrument :
 BNA_F
 ClientSampleId :
 TP-1A-D

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.4	128.3	192.5
115	57.9	51.1	76.7



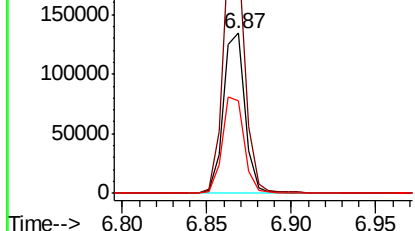
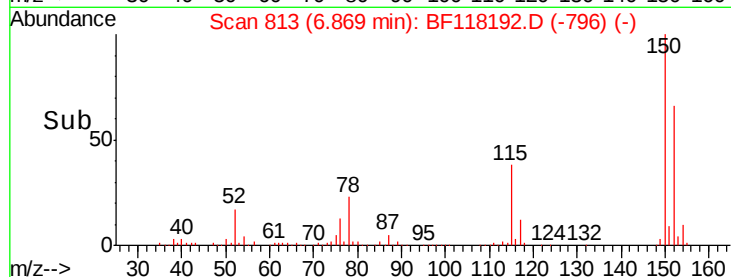
Abundance

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

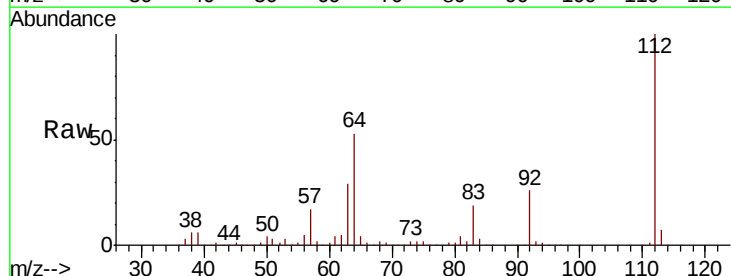
Time-->



#5

2-Fluorophenol
 Concen: 94.513 ng
 RT: 5.49 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: BF118192.D
 Acq: 13 Dec 2019 18:03

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.7	41.3	61.9
63	29.0	22.4	33.6



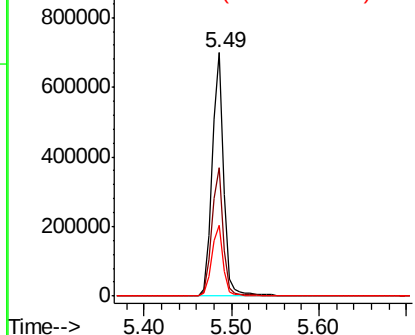
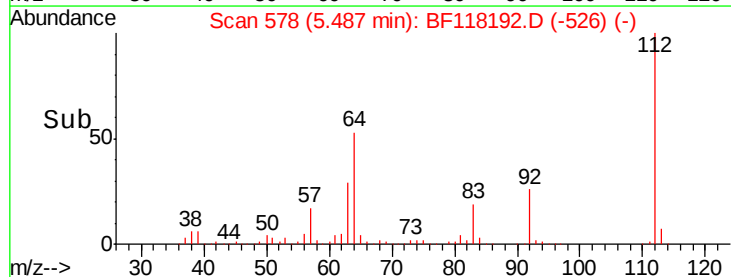
Abundance

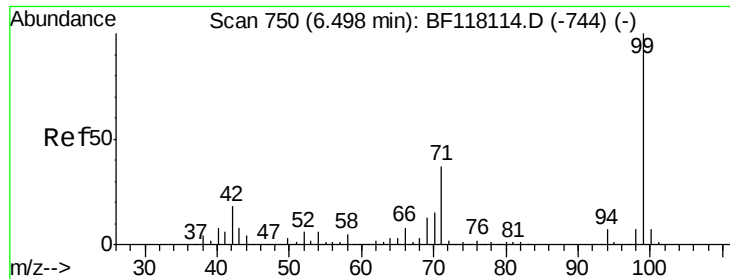
Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Time-->





#7

Phenol-d6

Concen: 98.342 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.00 min

Lab File: BF118192.D

Acq: 13 Dec 2019 18:03

Instrument :

BNA_F

ClientSampled :

TP-1A-D

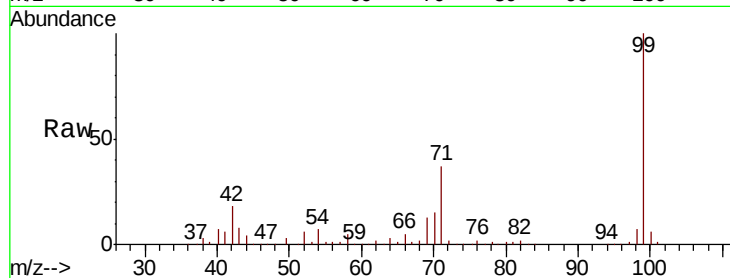
Tot Ion: 99 Resp: 812697

Ion Ratio Lower Upper

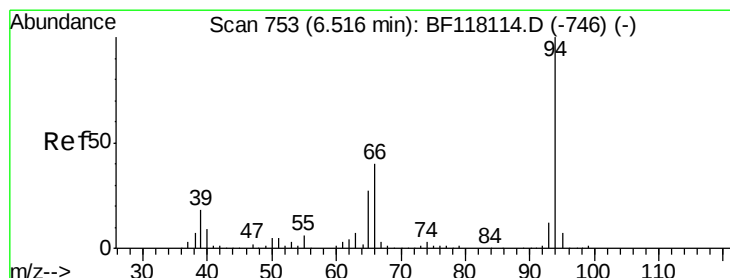
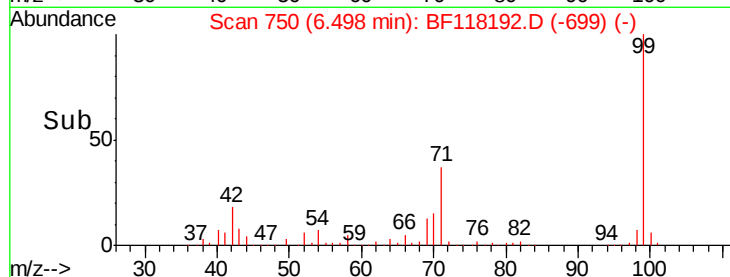
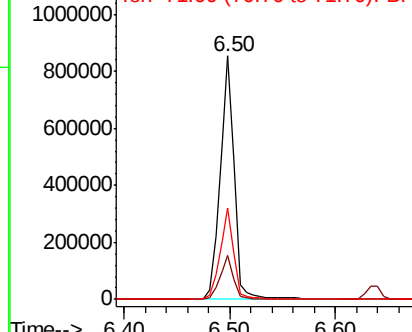
99 100

42 18.1 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



#10

Phenol

Concen: 2.783 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF118192.D

Acq: 13 Dec 2019 18:03

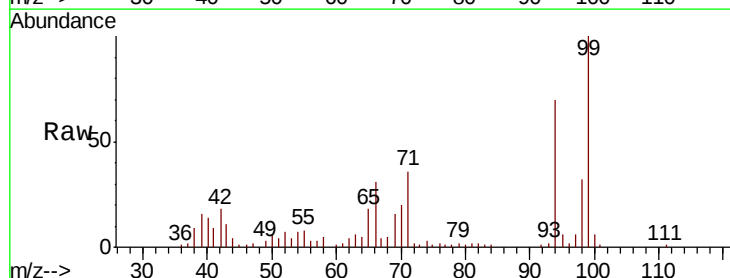
Tgt Ion: 94 Resp: 26224

Ion Ratio Lower Upper

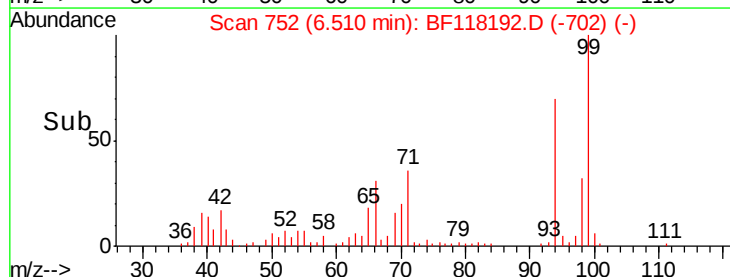
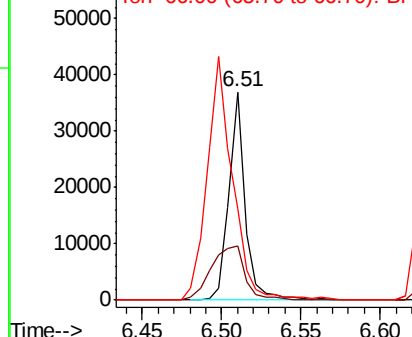
94 100

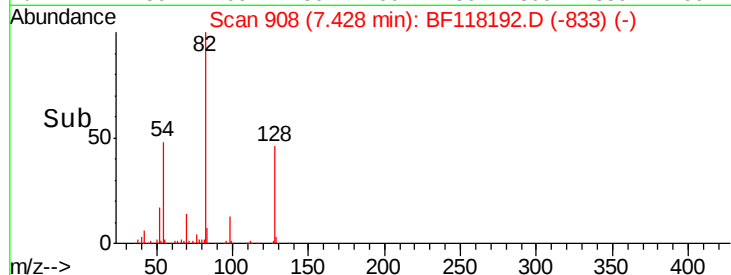
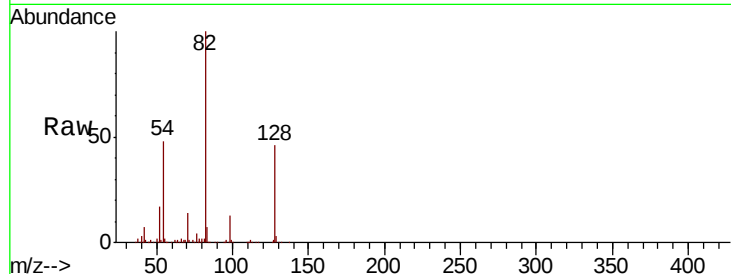
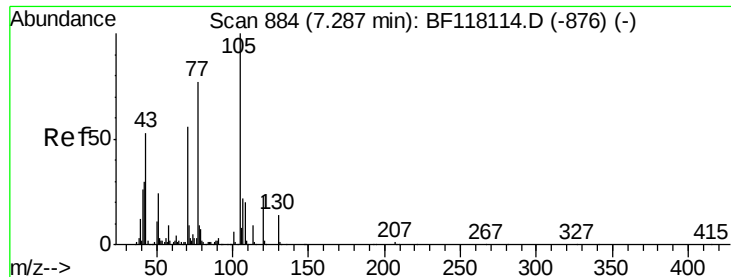
65 26.1 7.3 47.3

66 43.6 20.2 60.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

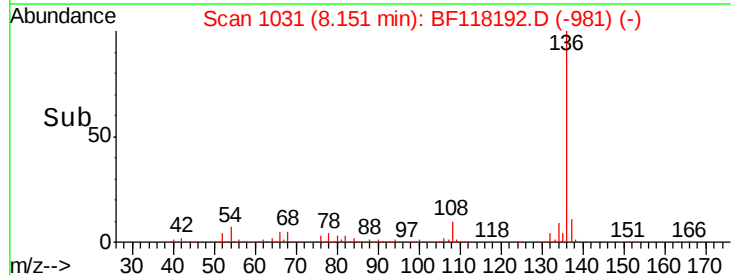
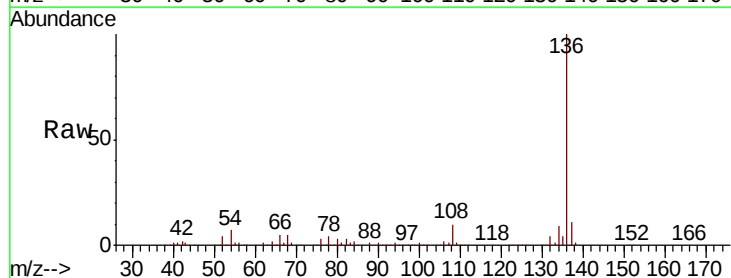
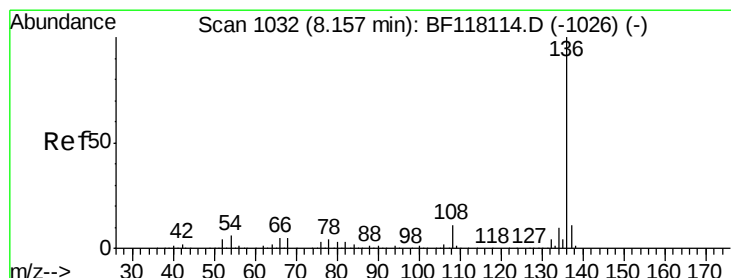
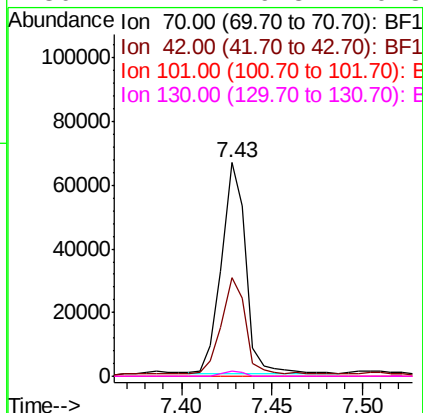




#19
n-Nitroso-di-n-propylamine
Concen: 12.315 ng
RT: 7.43 min Scan# 908
Delta R.T. 0.14 min
Lab File: BF118192.D
Acq: 13 Dec 2019 18:03

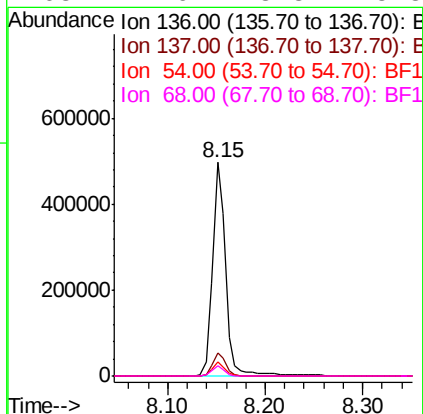
Instrument :
BNA_F
ClientSampled :
TP-1A-D

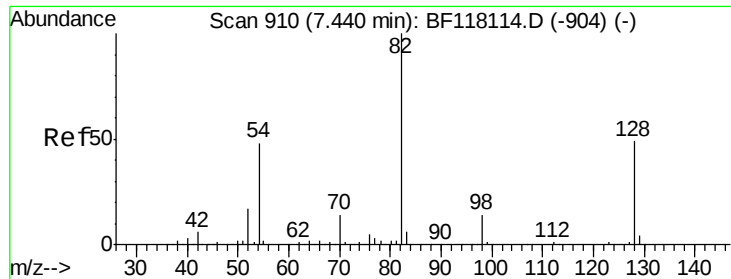
Tot Ion: 70 Resp: 61840
Ion Ratio Lower Upper
70 100
42 46.4 43.2 64.8
101 0.0 8.1 12.1#
130 2.4 19.8 29.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF118192.D
Acq: 13 Dec 2019 18:03

Tgt Ion: 136 Resp: 467536
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.6
54 6.7 5.0 7.6
68 4.6 3.8 5.8

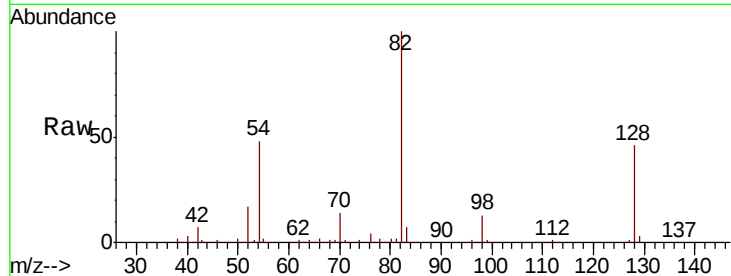




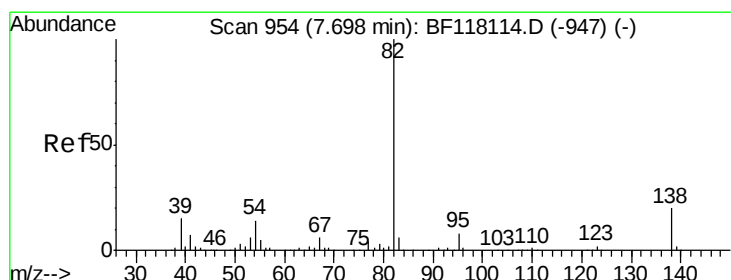
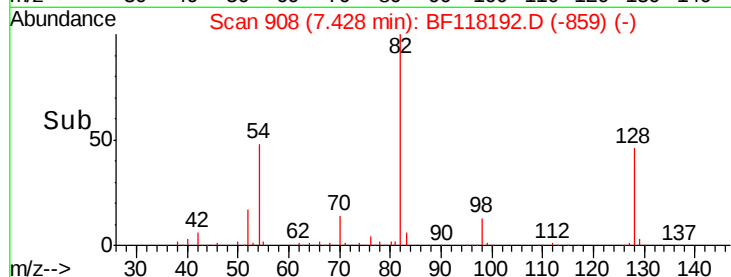
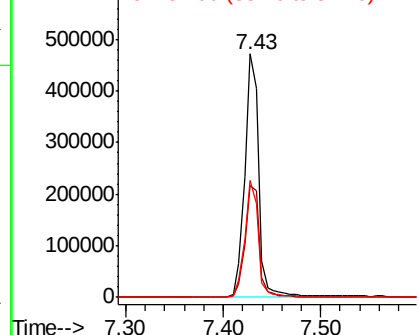
#23
 Nitrobenzene-d5
 Concen: 57.042 ng
 RT: 7.43 min Scan# 908
 Delta R.T. -0.01 min
 Lab File: BF118192.D
 Acq: 13 Dec 2019 18:03

Instrument :
 BNA_F
 ClientSampleId :
 TP-1A-D

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.0	39.1	58.7
54	48.1	38.2	57.2

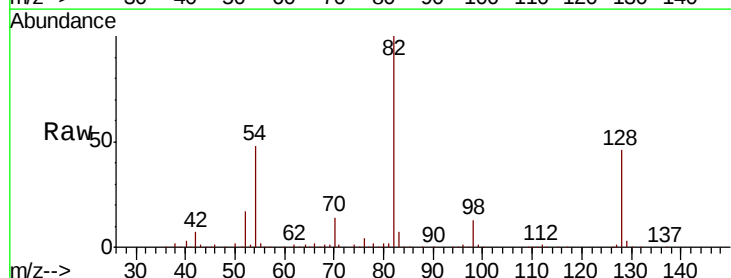


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

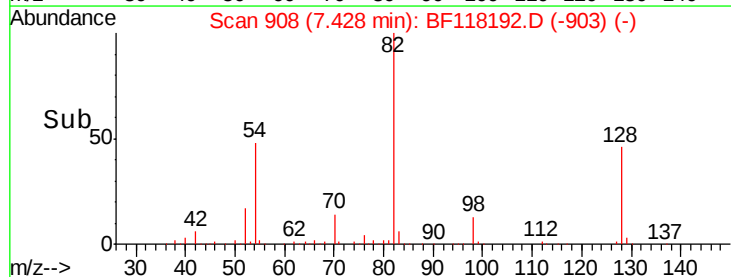
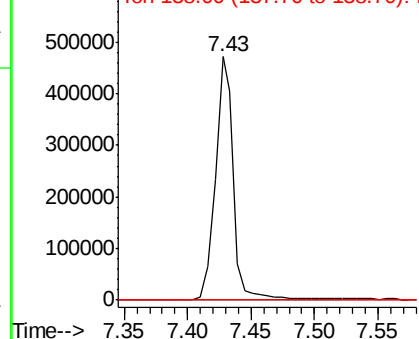


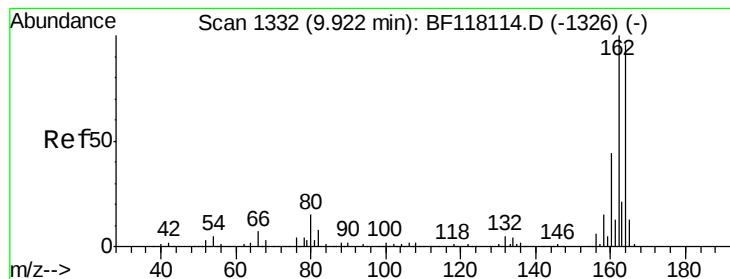
#25
 Isophorone
 Concen: 33.085 ng
 RT: 7.43 min Scan# 908
 Delta R.T. -0.27 min
 Lab File: BF118192.D
 Acq: 13 Dec 2019 18:03

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.2	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: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF118192.D

Acq: 13 Dec 2019 18:03

Instrument :

BNA_F

ClientSampleId :

TP-1A-D

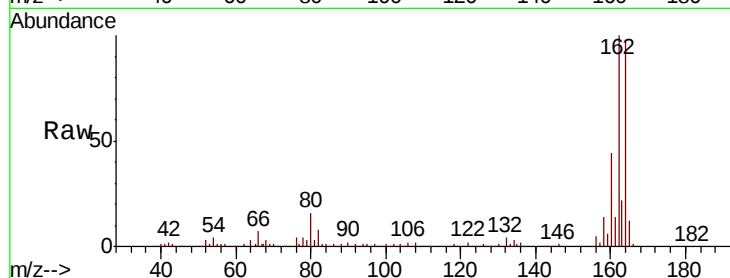
Tot Ion:164 Resp: 243083

Ion Ratio Lower Upper

164 100

162 102.7 83.4 125.0

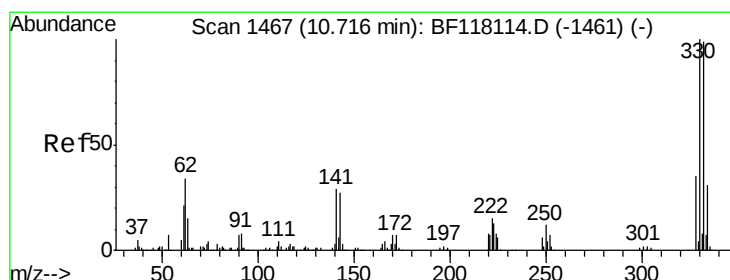
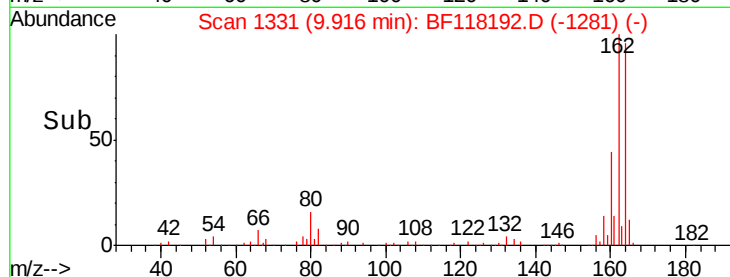
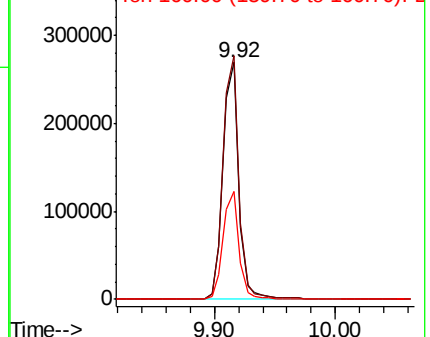
160 45.5 36.6 54.8



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: 89.392 ng

RT: 10.71 min Scan# 1466

Delta R.T. -0.01 min

Lab File: BF118192.D

Acq: 13 Dec 2019 18:03

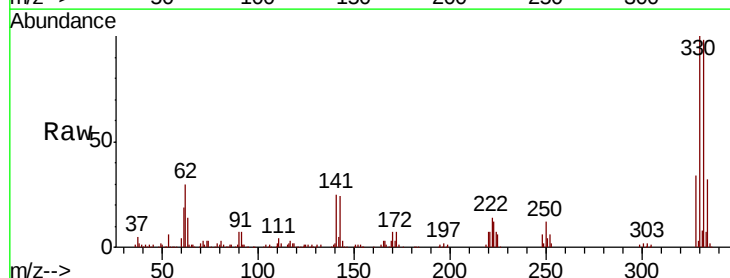
Tgt Ion:330 Resp: 263976

Ion Ratio Lower Upper

330 100

332 97.9 78.1 117.1

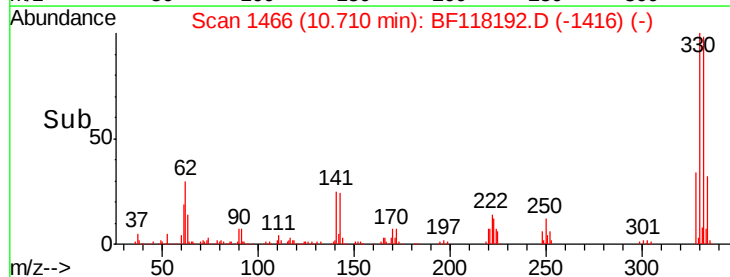
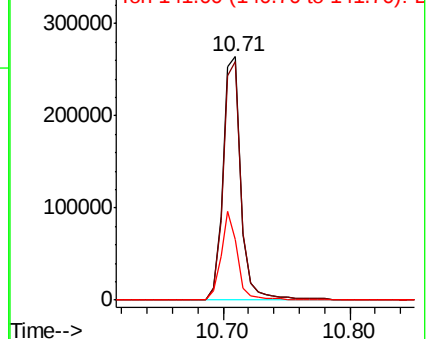
141 33.7 26.9 40.3

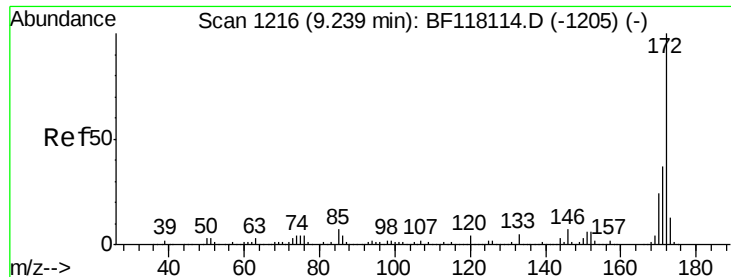


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

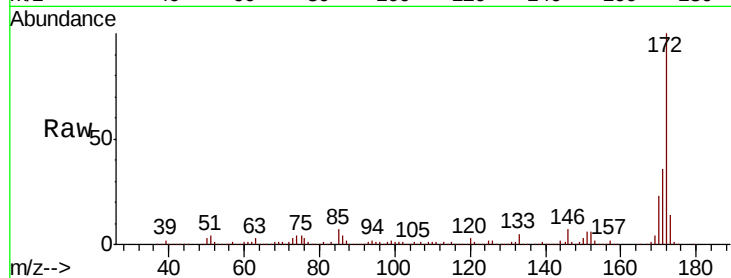




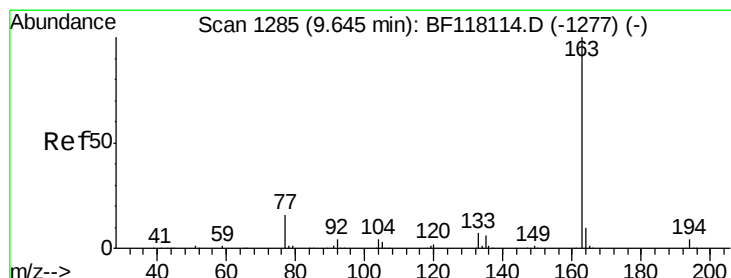
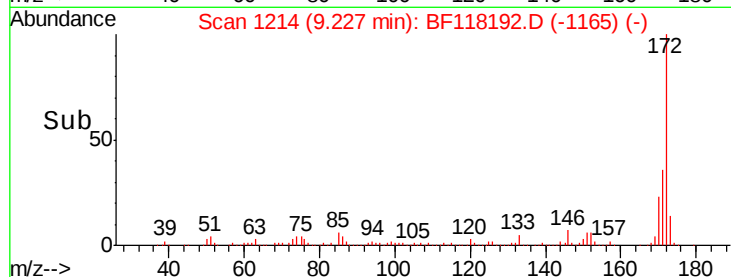
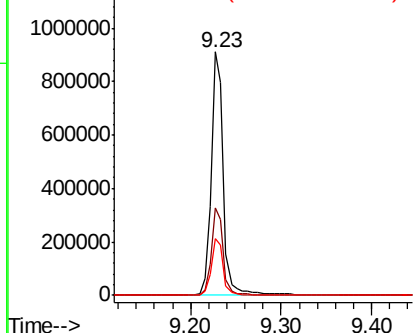
#45
2-Fluorobiphenyl
Concen: 53.973 ng
RT: 9.23 min Scan# 1214
Delta R.T. -0.01 min
Lab File: BF118192.D
Acq: 13 Dec 2019 18:03

Instrument :
BNA_F
ClientSampleId :
TP-1A-D

Tot Ion:172 Resp: 862217
Ion Ratio Lower Upper
172 100
171 35.9 29.2 43.8
170 23.4 19.4 29.2

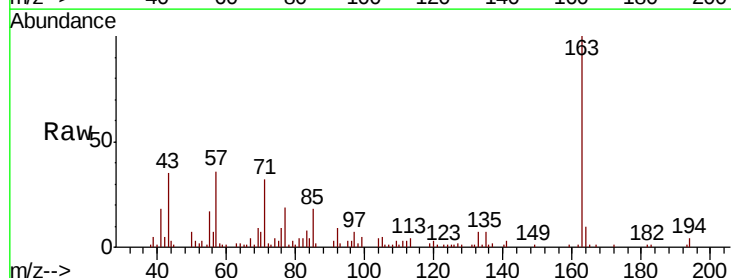


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

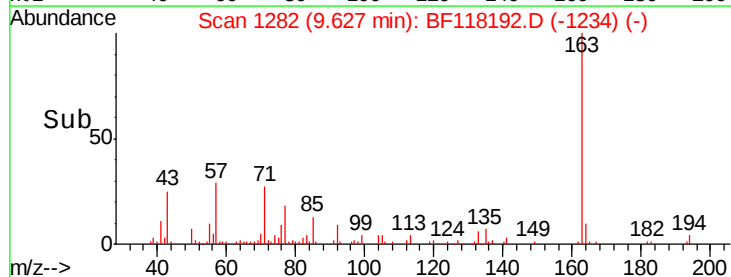
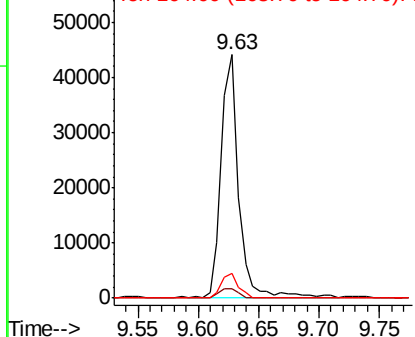


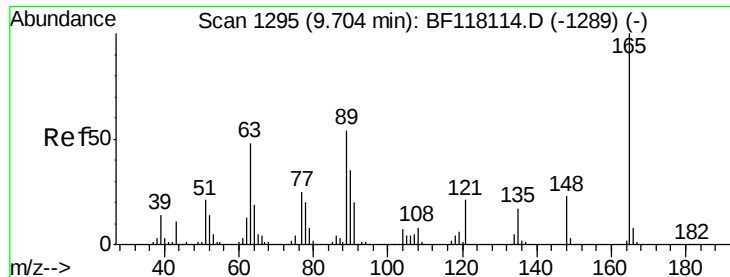
#50
Dimethylphthalate
Concen: 2.496 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.02 min
Lab File: BF118192.D
Acq: 13 Dec 2019 18:03

Tgt Ion:163 Resp: 44808
Ion Ratio Lower Upper
163 100
194 3.8 3.1 4.7
164 10.2 7.7 11.5



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

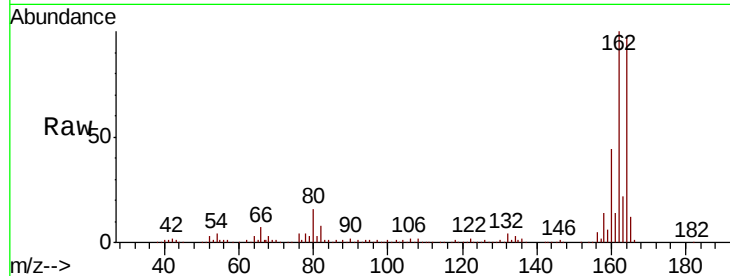




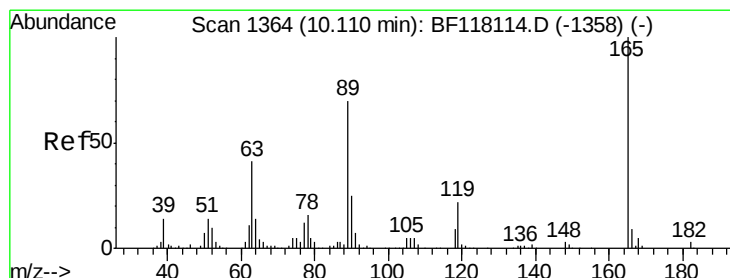
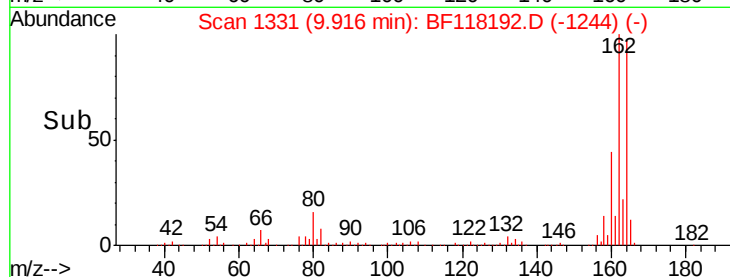
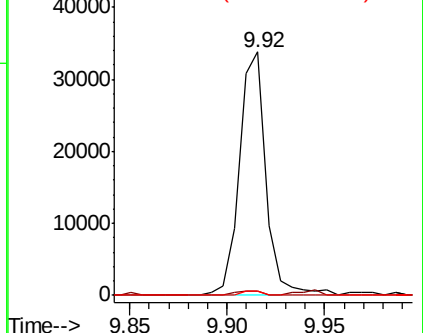
#51
 2,6-Dinitrotoluene
 Concen: 8.176 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. 0.21 min
 Lab File: BF118192.D
 Acq: 13 Dec 2019 18:03

Instrument :
 BNA_F
 ClientSampleId :
 TP-1A-D

Tot Ion:165 Resp: 31922
 Ion Ratio Lower Upper
 165 100
 63 1.6 41.4 62.0#
 89 1.5 42.9 64.3#

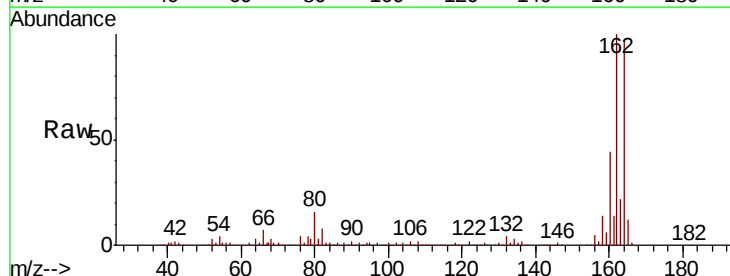


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

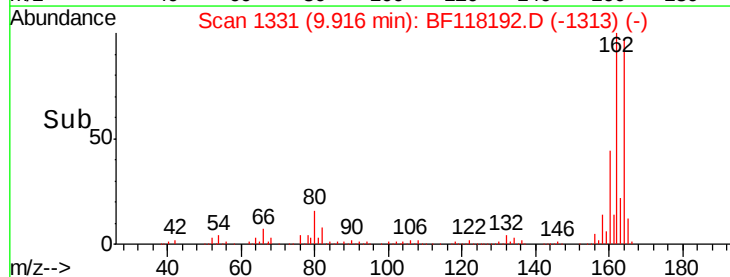
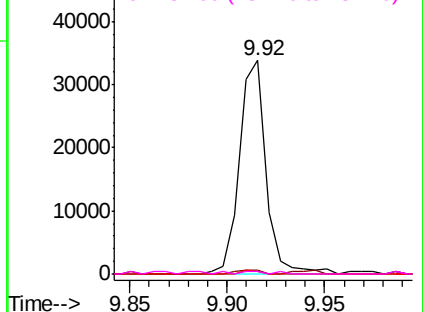


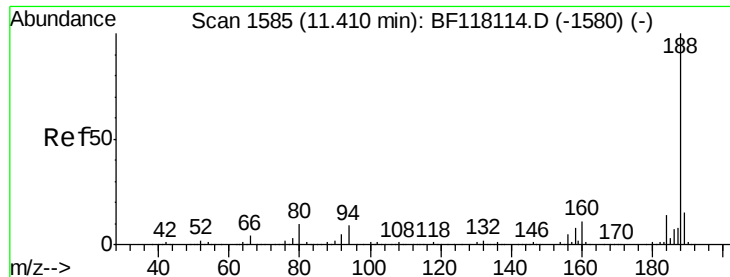
#57
 2,4-Dinitrotoluene
 Concen: 6.126 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.19 min
 Lab File: BF118192.D
 Acq: 13 Dec 2019 18:03

Tgt Ion:165 Resp: 31922
 Ion Ratio Lower Upper
 165 100
 63 1.6 32.6 49.0#
 89 1.5 56.1 84.1#
 182 1.1 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

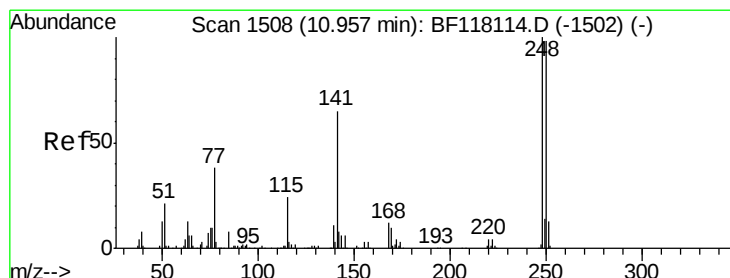
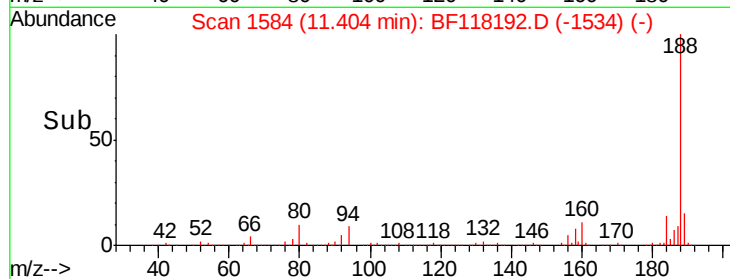
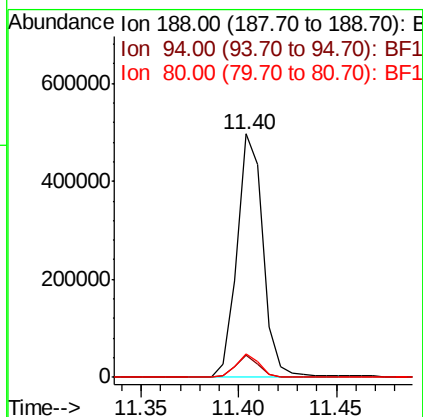
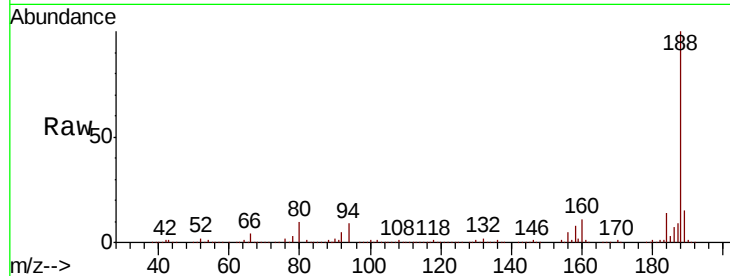




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF118192.D
Acq: 13 Dec 2019 18:03

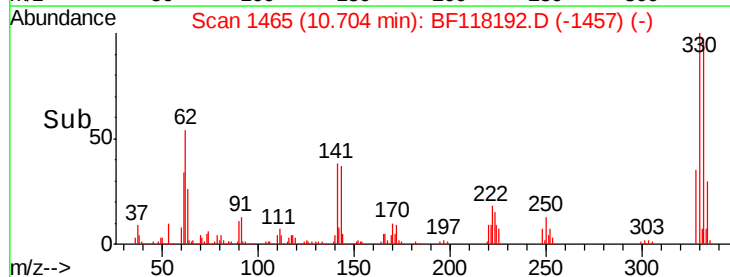
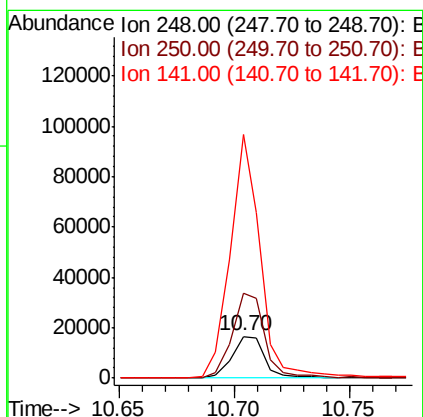
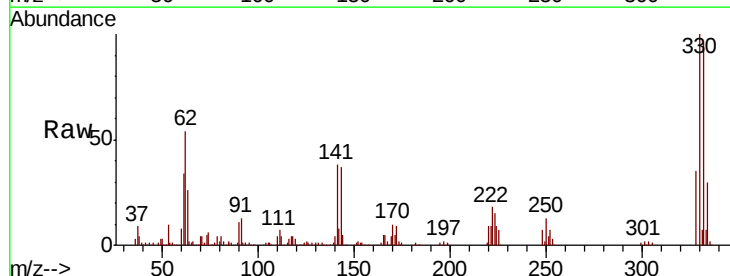
Instrument :
BNA_F
ClientSampleId :
TP-1A-D

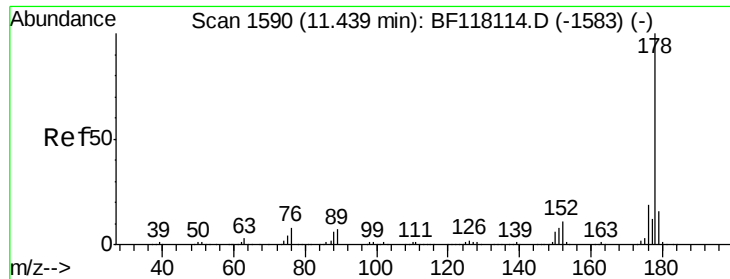
Tot Ion:188 Resp: 460714
Ion Ratio Lower Upper
188 100
94 8.9 7.1 10.7
80 9.7 7.9 11.9



#67
4-Bromophenyl-phenylether
Concen: 3.097 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.25 min
Lab File: BF118192.D
Acq: 13 Dec 2019 18:03

Tgt Ion:248 Resp: 16290
Ion Ratio Lower Upper
248 100
250 206.6 78.3 117.5#
141 588.5 52.2 78.4#

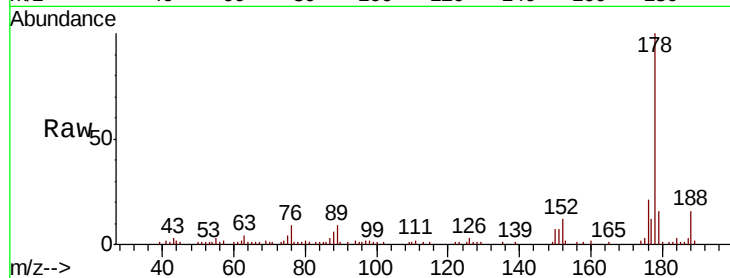




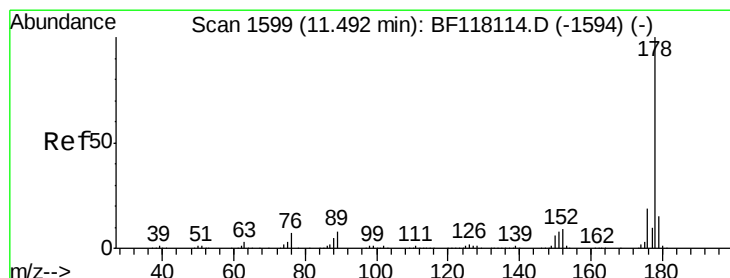
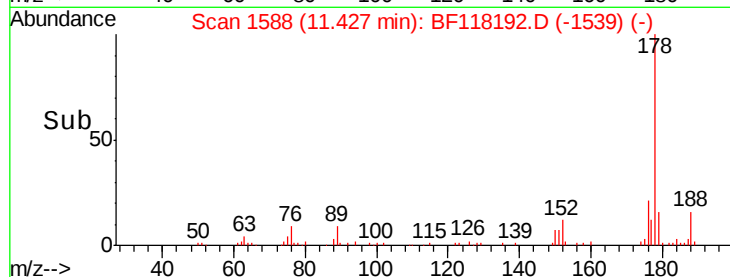
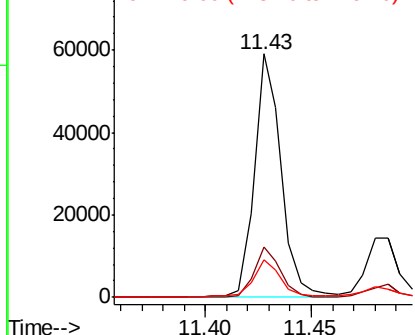
#71
Phenanthrene
Concen: 2.132 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF118192.D
Acq: 13 Dec 2019 18:03

Instrument :
BNA_F
ClientSampleId :
TP-1A-D

Tot Ion:178 Resp: 52206
Ion Ratio Lower Upper
178 100
176 20.9 15.5 23.3
179 15.6 12.6 18.8

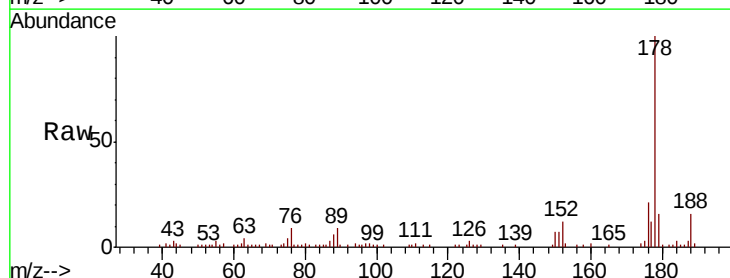


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

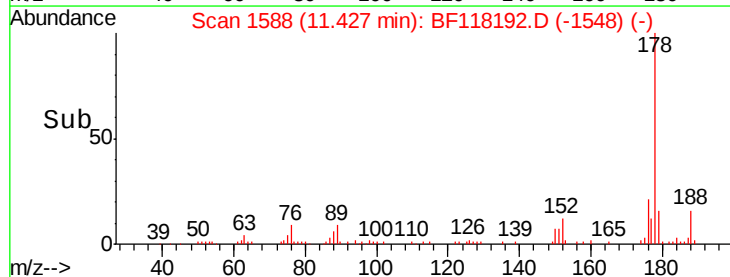
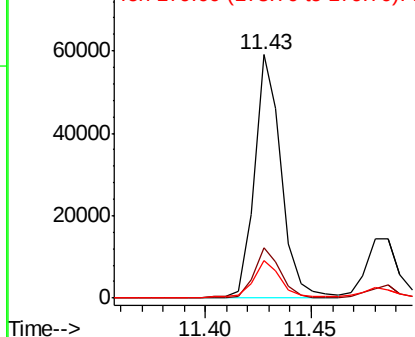


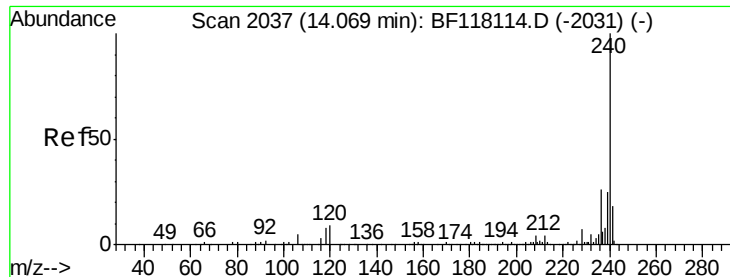
#72
Anthracene
Concen: 2.137 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.06 min
Lab File: BF118192.D
Acq: 13 Dec 2019 18:03

Tgt Ion:178 Resp: 52206
Ion Ratio Lower Upper
178 100
176 20.9 15.0 22.6
179 15.6 12.2 18.4



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

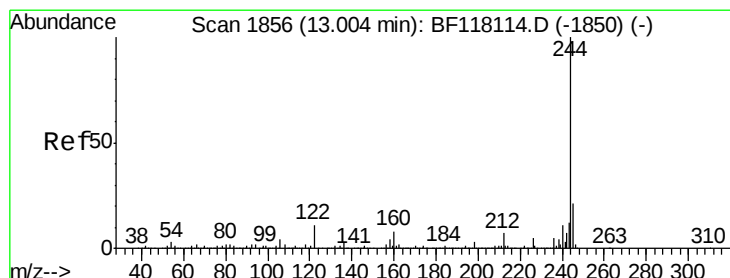
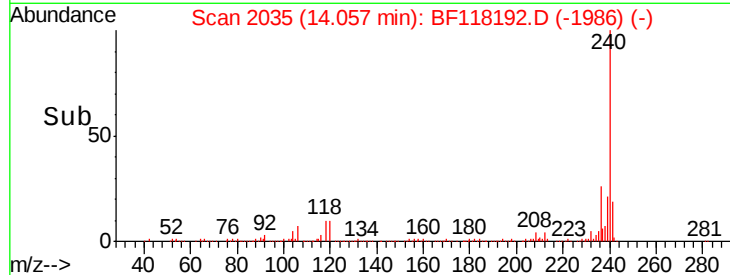
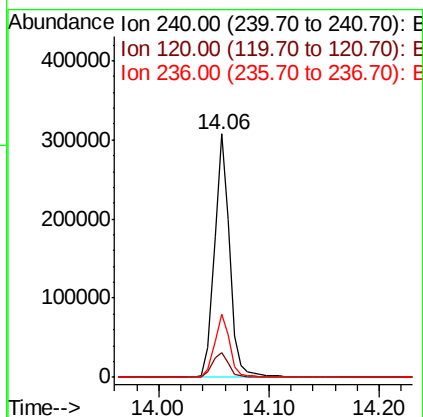
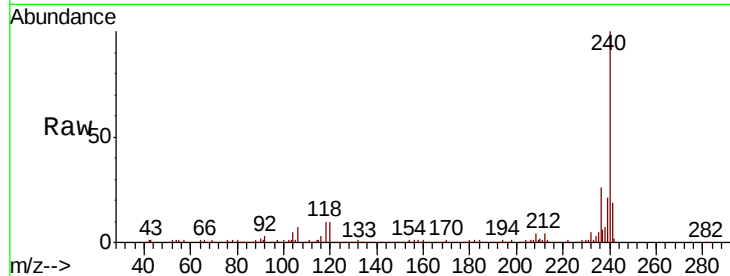




#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 14.06 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: BF118192.D
 Acq: 13 Dec 2019 18:03

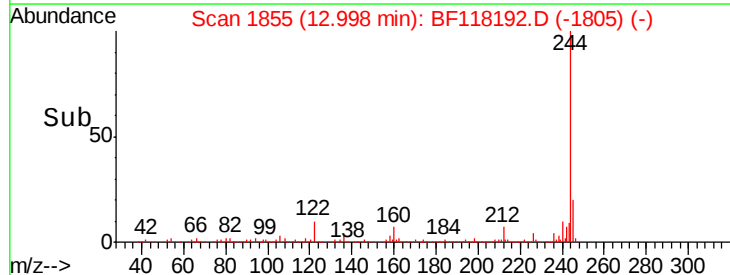
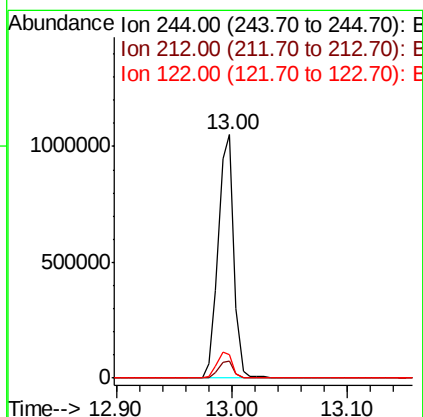
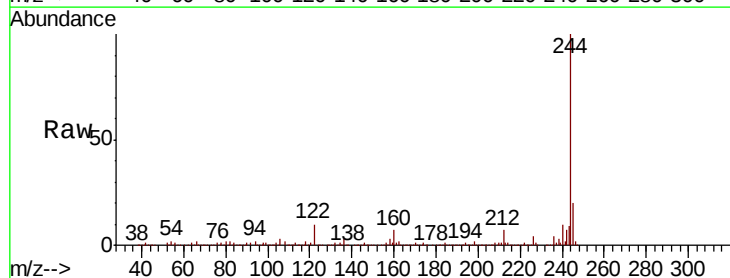
Instrument :
 BNA_F
 ClientSampleId :
 TP-1A-D

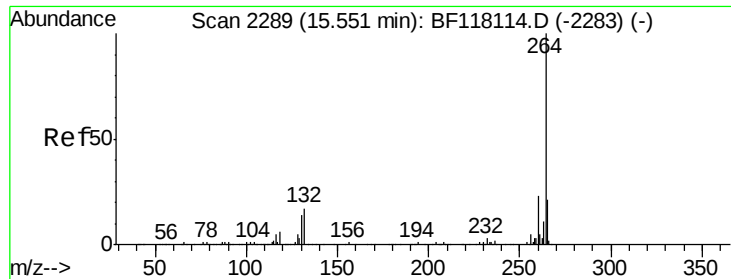
Tot Ion:240 Resp: 289507
 Ion Ratio Lower Upper
 240 100
 120 10.1 7.1 10.7
 236 25.7 21.0 31.6



#79
 Terphenyl-d14
 Concen: 58.866 ng
 RT: 13.00 min Scan# 1855
 Delta R.T. -0.01 min
 Lab File: BF118192.D
 Acq: 13 Dec 2019 18:03

Tgt Ion:244 Resp: 991028
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.9 8.9
 122 9.5 9.0 13.6





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.55 min Scan# 2289
 Delta R.T. -0.00 min
 Lab File: BF118192.D
 Acq: 13 Dec 2019 18:03

Instrument :
 BNA_F
 ClientSampleId :
 TP-1A-D

Tot Ion: 264 Resp: 270263
 Ion Ratio Lower Upper
 264 100
 260 23.2 18.6 28.0
 265 21.0 16.8 25.2

