

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030520\
 Data File : BF119234.D
 Acq On : 6 Mar 2020 1:56
 Operator : CG/JU
 Sample : L1792-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 06 06:32:46 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 26 16:03:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	162725	20.00	ng	-0.02
21) Naphthalene-d8	8.00	136	649110	20.00	ng	-0.03
39) Acenaphthene-d10	9.76	164	362206	20.00	ng	-0.03
64) Phenanthrene-d10	11.24	188	657717	20.00	ng	-0.02
76) Chrysene-d12	13.88	240	396830	20.00	ng	-0.02
87) Perylene-d12	15.30	264	341969	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.36	112	899662	92.39	ng	0.00
7) Phenol-d6	6.38	99	1121800	94.73	ng	-0.02
23) Nitrobenzene-d5	7.29	82	748579	60.89	ng	-0.04
42) 2,4,6-Tribromophenol	10.55	330	418838	88.39	ng	-0.02
45) 2-Fluorobiphenyl	9.08	172	1454227	59.15	ng	-0.03
79) Terphenyl-d14	12.83	244	1670241	72.46	ng	-0.02

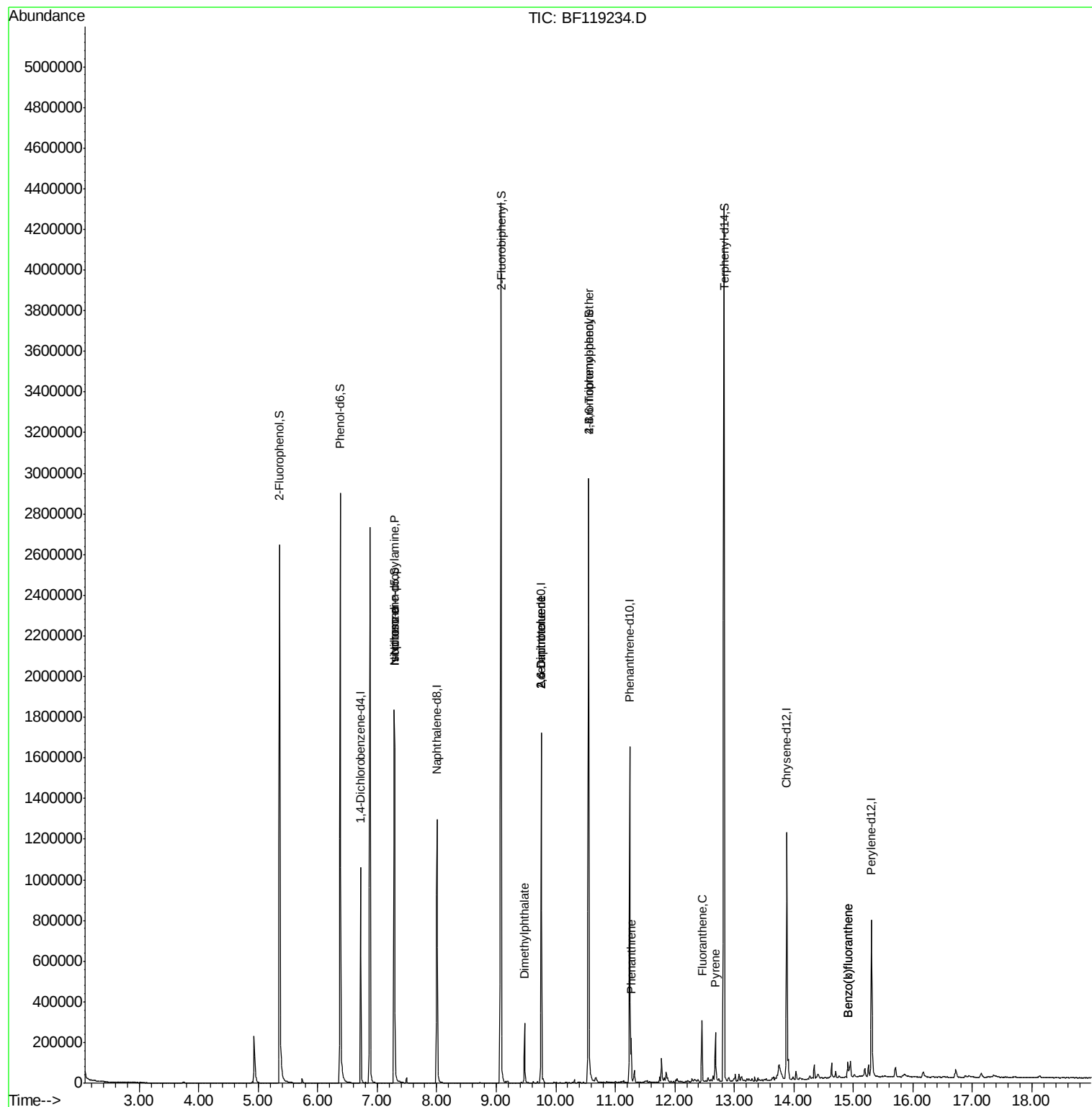
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.29	70	103558	15.007	ng	# 75
25) Isophorone	7.29	82	748574	35.061	ng	# 63
50) Dimethylphthalate	9.47	163	125593	4.535	ng	99
51) 2,6-Dinitrotoluene	9.76	165	45518	7.397	ng	# 33
57) 2,4-Dinitrotoluene	9.76	165	45518	5.707	ng	# 21
67) 4-Bromophenyl-phenylether	10.55	248	27020	3.143	ng	# 1
71) Phenanthrene	11.26	178	86337	2.407	ng	98
75) Fluoranthene	12.46	202	129846	3.410	ng	98
78) Pyrene	12.68	202	108411	3.402	ng	98
88) Benzo(b)fluoranthene	14.90	252	53507	2.374	ng	# 97
89) Benzo(k)fluoranthene	14.90	252	53507	2.561	ng	# 97

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

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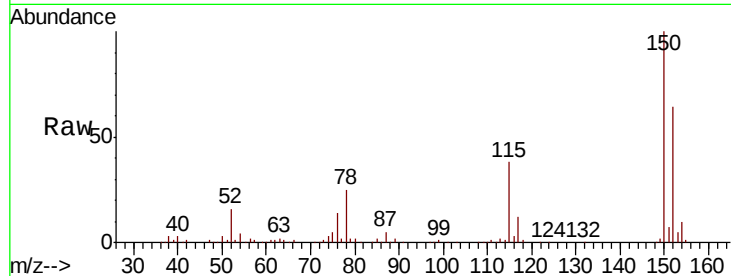


#1

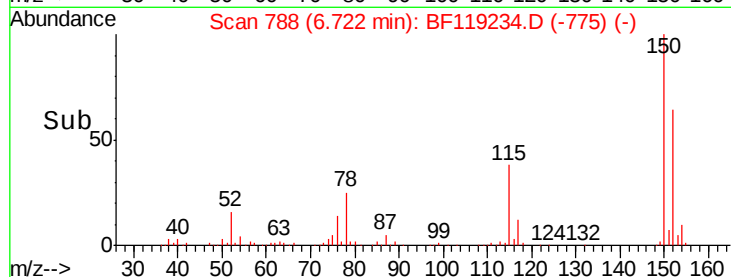
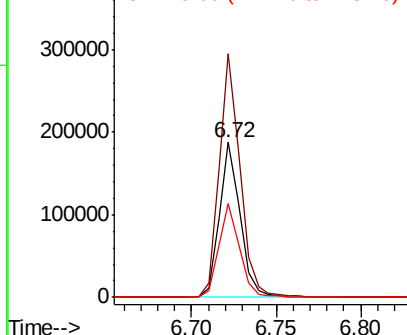
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.02 min
Lab File: BF119234.D
Acq: 6 Mar 2020 1:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 162725
Ion Ratio Lower Upper
152 100
150 157.2 123.0 184.6
115 60.4 49.5 74.3



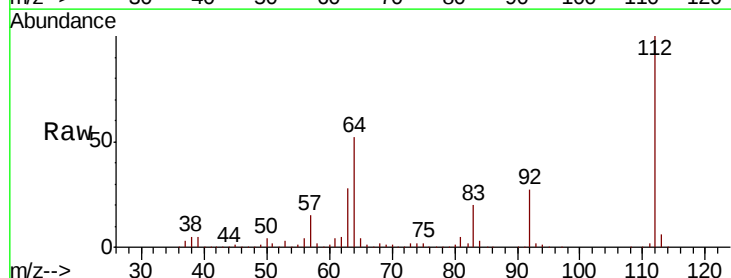
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



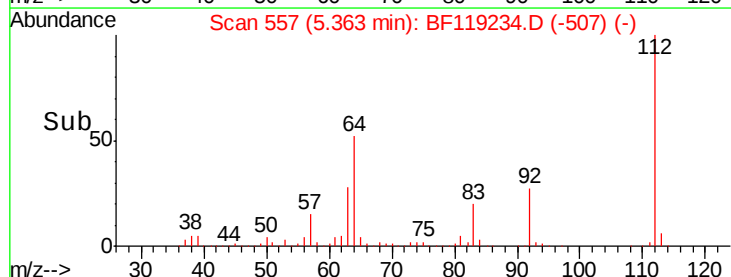
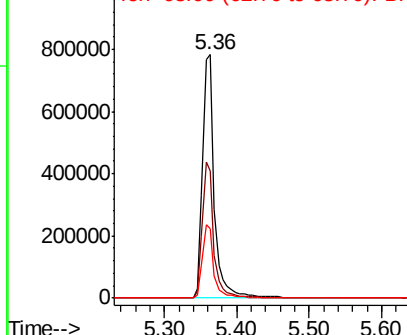
#5

2-Fluorophenol
Concen: 92.395 ng
RT: 5.36 min Scan# 557
Delta R.T. -0.01 min
Lab File: BF119234.D
Acq: 6 Mar 2020 1:56

Tgt Ion:112 Resp: 899662
Ion Ratio Lower Upper
112 100
64 52.0 45.0 67.4
63 28.3 24.2 36.4



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: 94.729 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.02 min

Lab File: BF119234.D

Acq: 6 Mar 2020 1:56

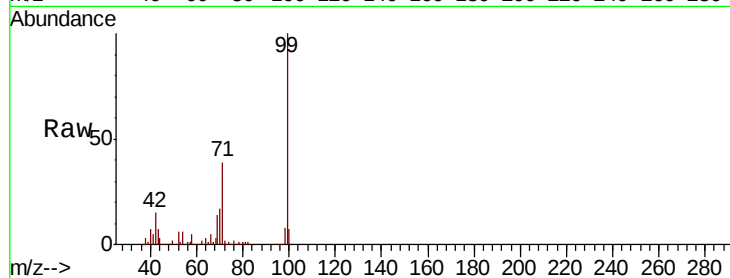
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1121800

Ion	Ratio	Lower	Upper
99	100		
42	15.3	12.6	18.8
71	39.3	31.0	46.4

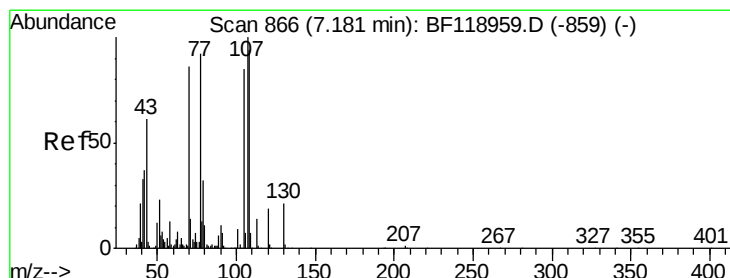
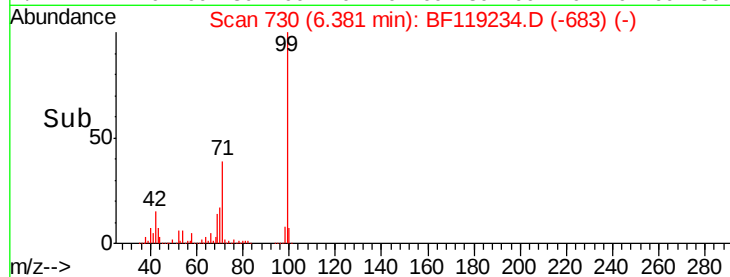


Abundance

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: 15.007 ng

RT: 7.29 min Scan# 884

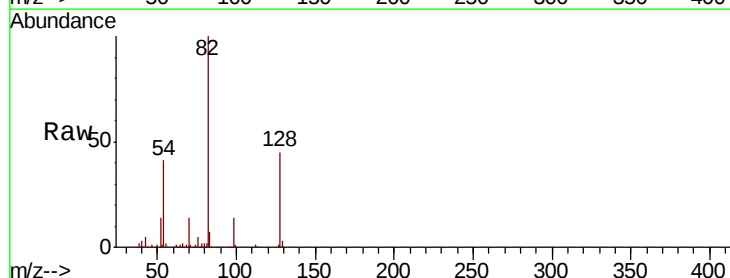
Delta R.T. 0.11 min

Lab File: BF119234.D

Acq: 6 Mar 2020 1:56

Tgt Ion: 70 Resp: 103558

Ion	Ratio	Lower	Upper
70	100		
42	37.2	38.0	57.0#
101	0.0	8.2	12.4#
130	1.8	18.2	27.4#



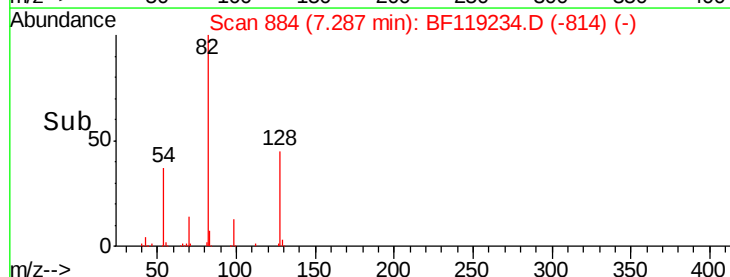
Abundance

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

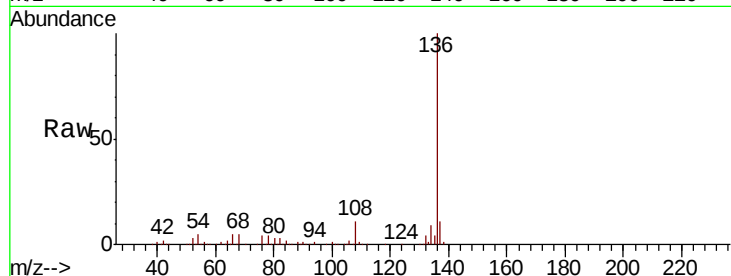




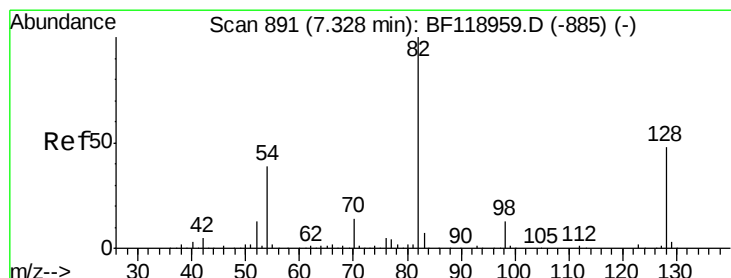
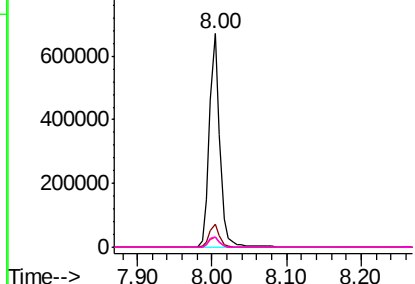
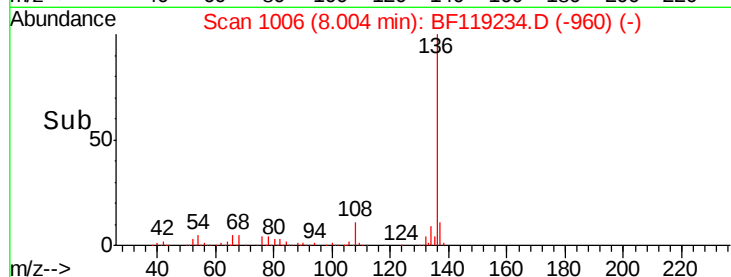
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.03 min
Lab File: BF119234.D
Acq: 6 Mar 2020 1:56

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp:	649110
Ion Ratio	Lower	Upper
136 100		
137 10.9	8.8	13.2
54 4.8	3.8	5.6
68 5.0	3.9	5.9

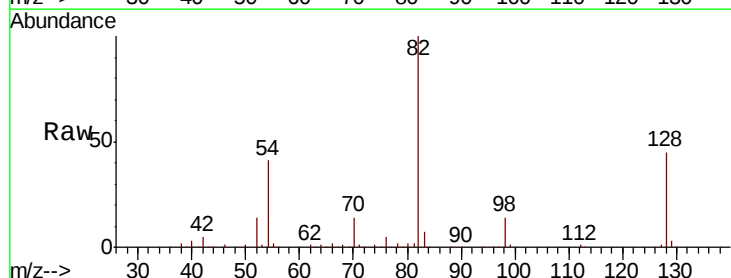


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

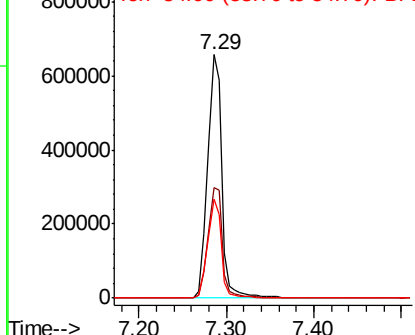
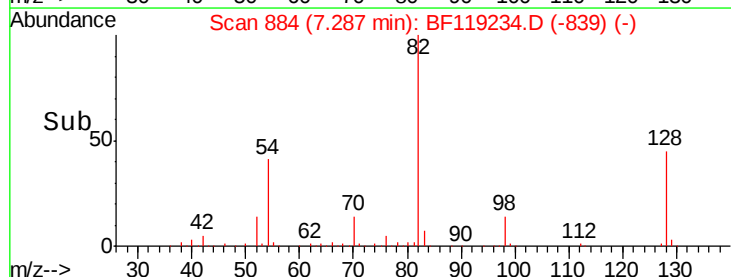


#23
Nitrobenzene-d5
Concen: 60.891 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.04 min
Lab File: BF119234.D
Acq: 6 Mar 2020 1:56

Tgt Ion: 82	Resp: 748579
Ion Ratio	Lower Upper
82 100	
128 45.2	37.9 56.9
54 40.7	33.4 50.2



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





#25

Isophorone

Concen: 35.061 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.29 min

Lab File: BF119234.D

Acq: 6 Mar 2020 1:56

Instrument :

BNA_F

ClientSampleId :

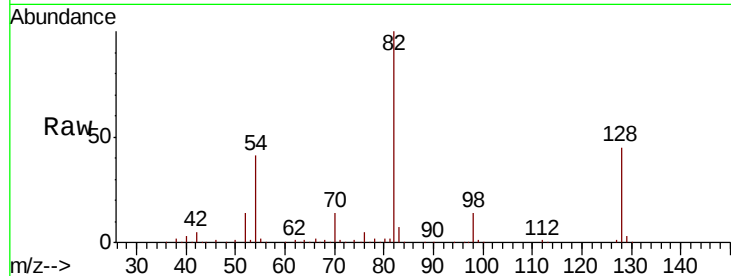
Tot Ion: 82 Resp: 748574

Ion Ratio Lower Upper

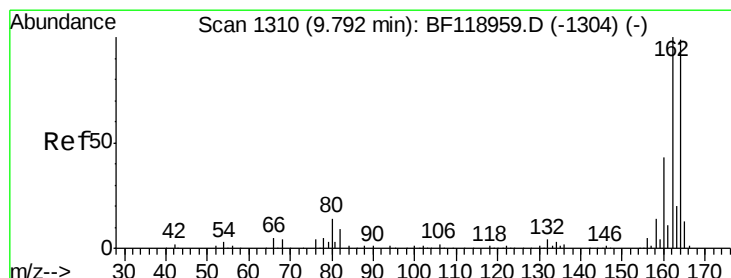
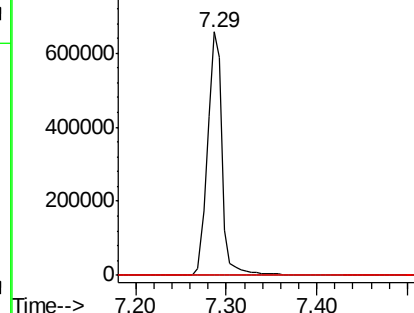
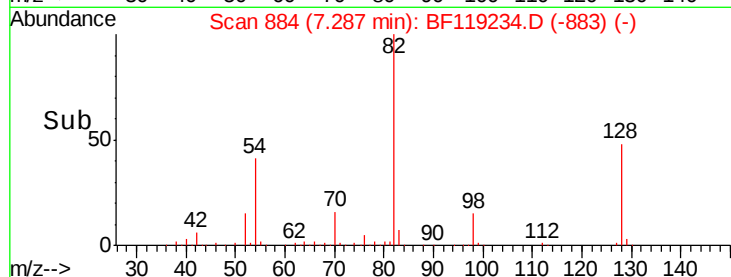
82 100

95 0.0 6.4 9.6#

138 0.0 15.7 23.5#



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: 9.76 min Scan# 1304

Delta R.T. -0.03 min

Lab File: BF119234.D

Acq: 6 Mar 2020 1:56

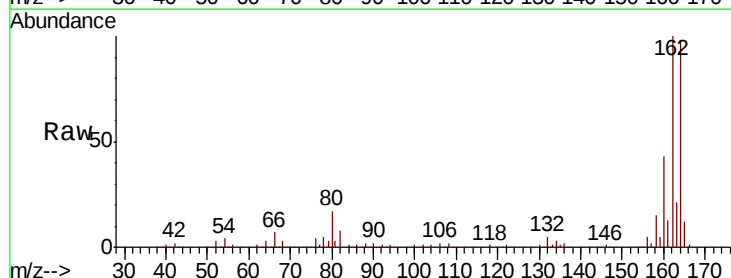
Tgt Ion: 164 Resp: 362206

Ion Ratio Lower Upper

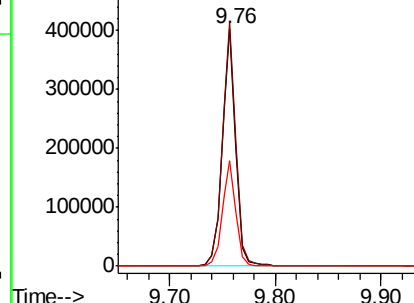
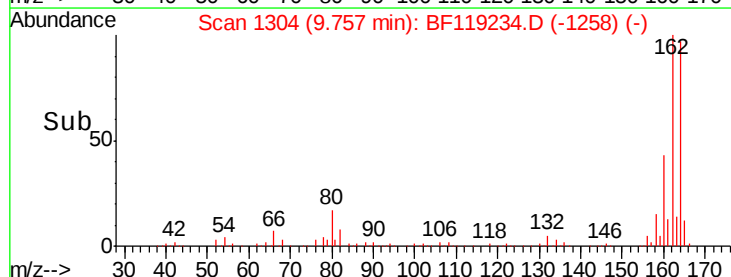
164 100

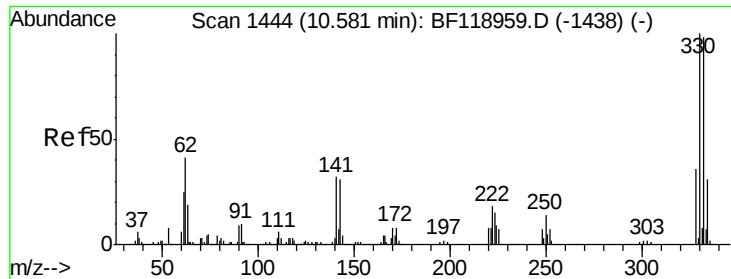
162 102.5 81.8 122.8

160 44.4 36.0 54.0



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

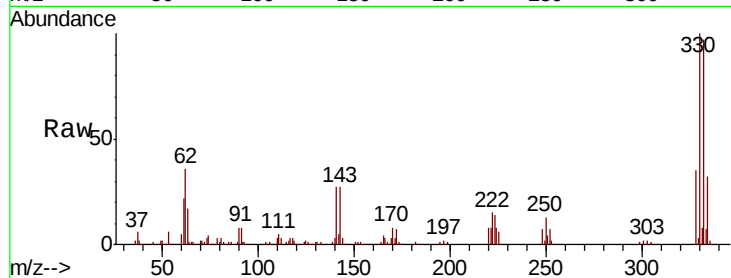




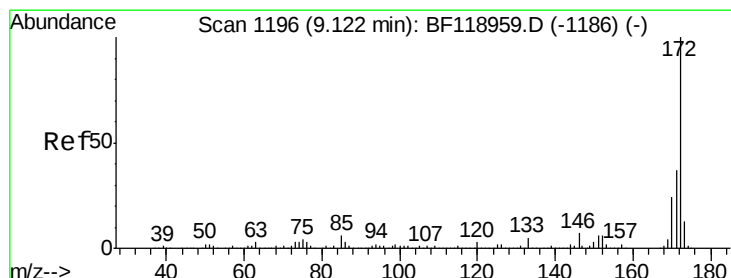
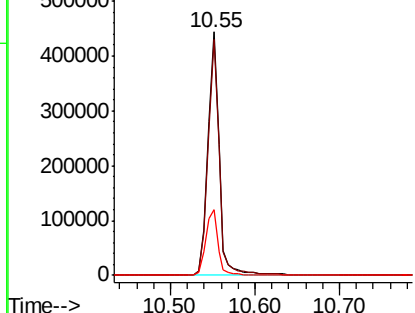
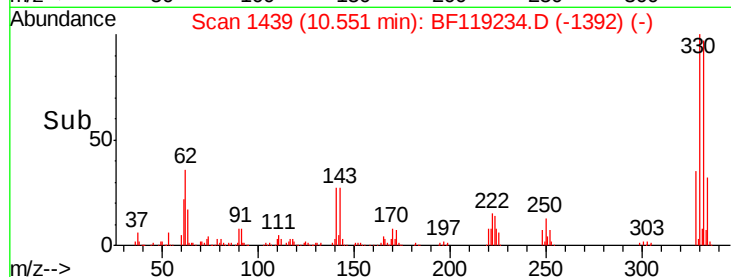
#42
 2,4,6-Tribromophenol
 Concen: 88.395 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.02 min
 Lab File: BF119234.D
 Acq: 6 Mar 2020 1:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 418838
 Ion Ratio Lower Upper
 330 100
 332 96.9 76.0 114.0
 141 29.3 22.9 34.3

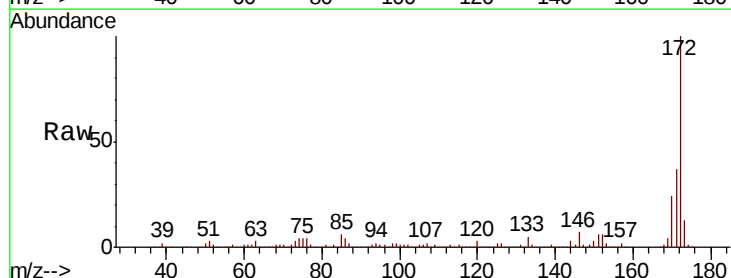


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

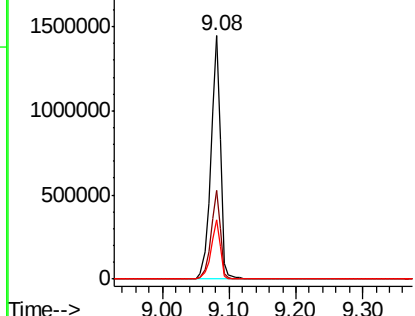
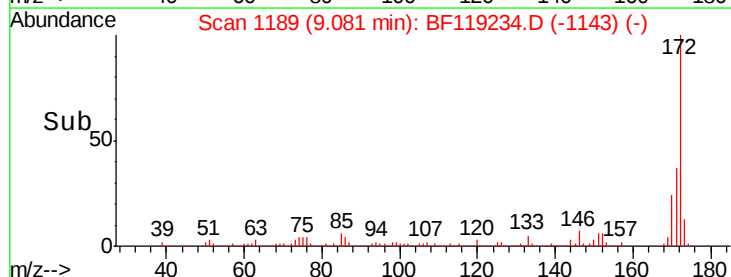


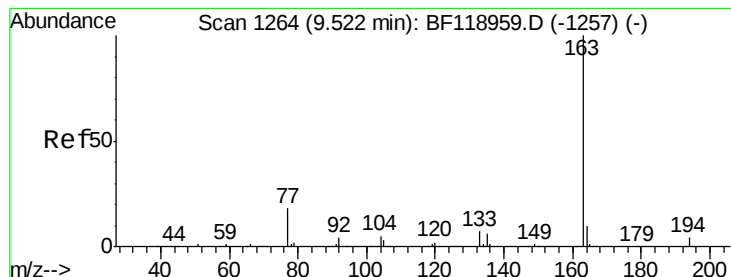
#45
 2-Fluorobiphenyl
 Concen: 59.147 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.03 min
 Lab File: BF119234.D
 Acq: 6 Mar 2020 1:56

Tgt Ion:172 Resp: 1454227
 Ion Ratio Lower Upper
 172 100
 171 36.6 30.6 45.8
 170 24.5 20.2 30.2



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: 4.535 ng

RT: 9.47 min Scan# 1256

Delta R.T. -0.04 min

Lab File: BF119234.D

Acq: 6 Mar 2020 1:56

Instrument :

BNA_F

ClientSampleId :

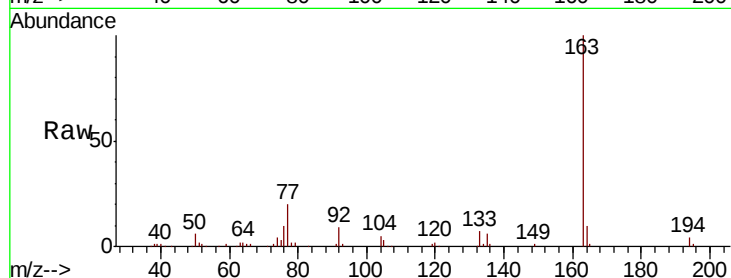
Tot Ion:163 Resp: 125593

Ion Ratio Lower Upper

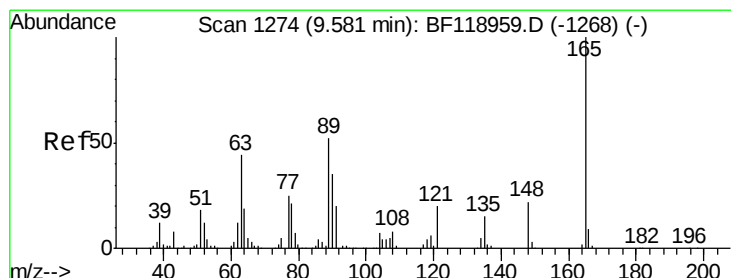
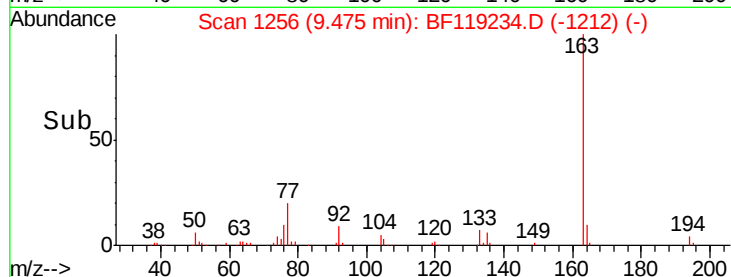
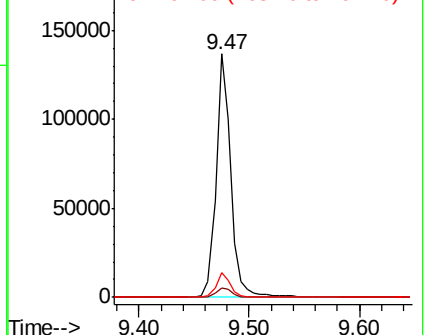
163 100

194 4.0 3.5 5.3

164 10.4 8.4 12.6



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: 7.397 ng

RT: 9.76 min Scan# 1304

Delta R.T. 0.18 min

Lab File: BF119234.D

Acq: 6 Mar 2020 1:56

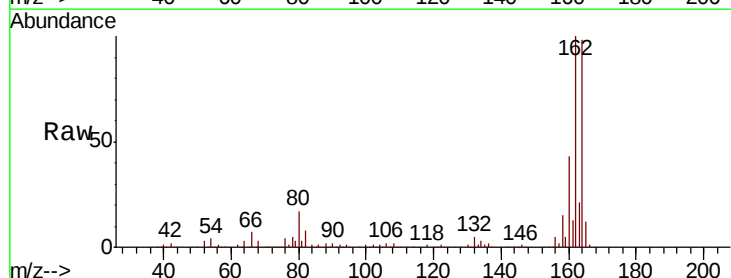
Tgt Ion:165 Resp: 45518

Ion Ratio Lower Upper

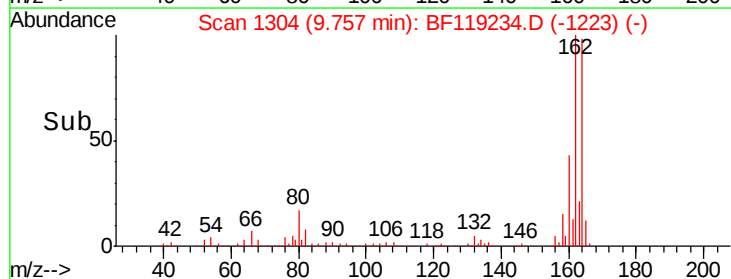
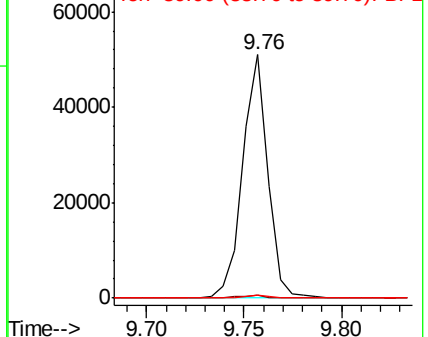
165 100

63 1.4 34.3 51.5#

89 1.3 38.3 57.5#



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

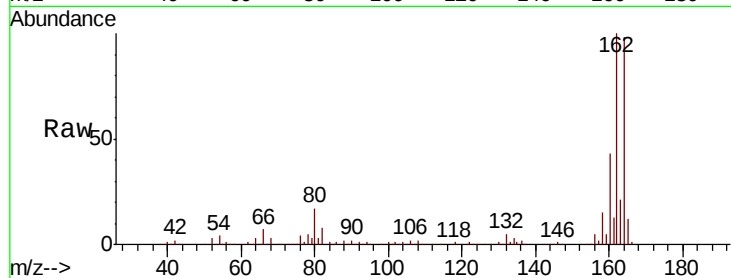




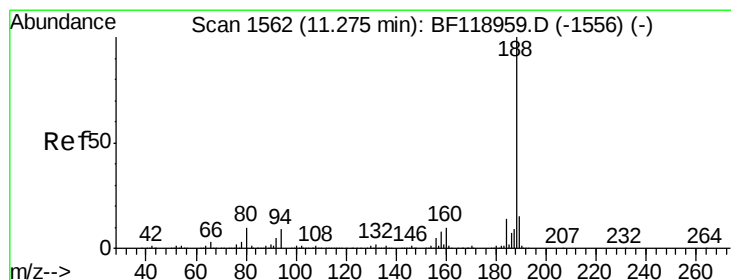
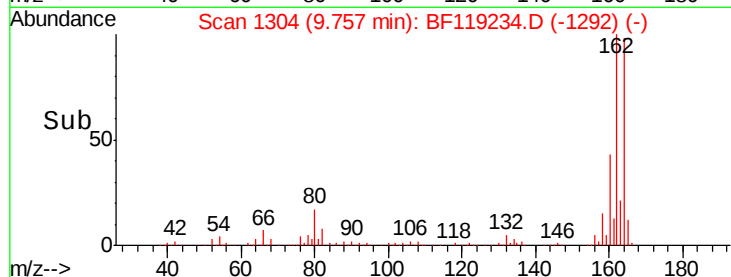
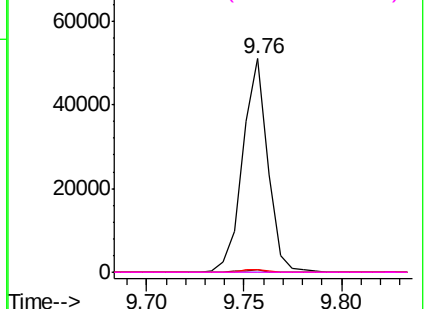
#57
 2,4-Dinitrotoluene
 Concen: 5.707 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.23 min
 Lab File: BF119234.D
 Acq: 6 Mar 2020 1:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165	Resp:	45518
Ion Ratio	Lower	Upper
165	100	
63	1.4	42.3 63.5#
89	1.3	60.2 90.4#
182	0.0	2.3 3.5#

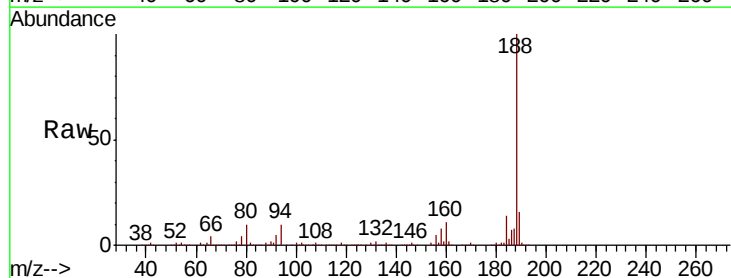


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

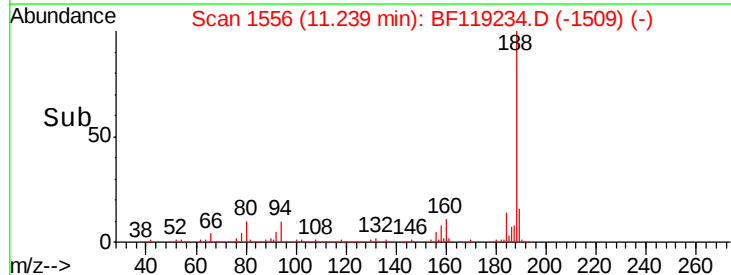
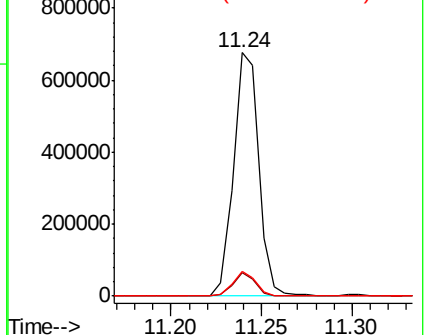


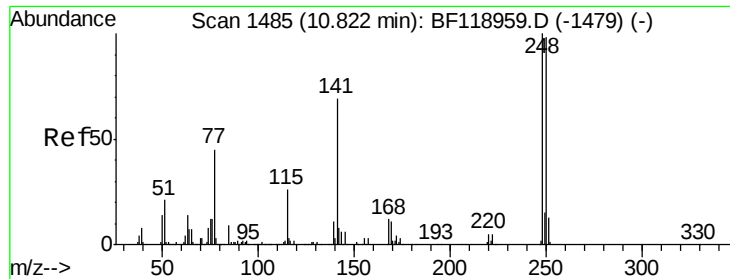
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1556
 Delta R.T. -0.02 min
 Lab File: BF119234.D
 Acq: 6 Mar 2020 1:56

Tgt Ion:188	Resp:	657717
Ion Ratio	Lower	Upper
188	100	
94	9.6	7.1 10.7
80	10.3	7.8 11.8



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

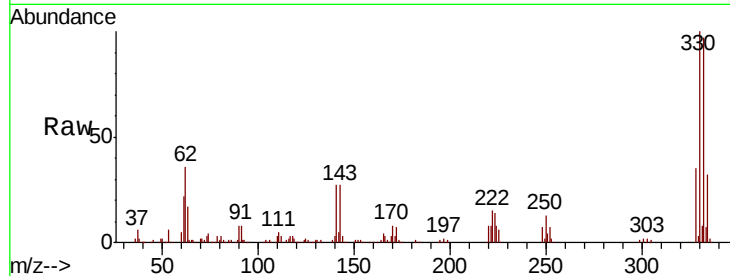




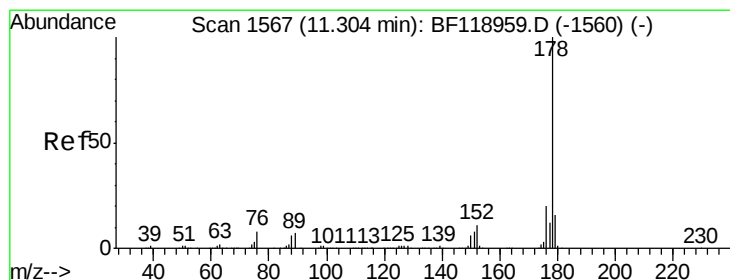
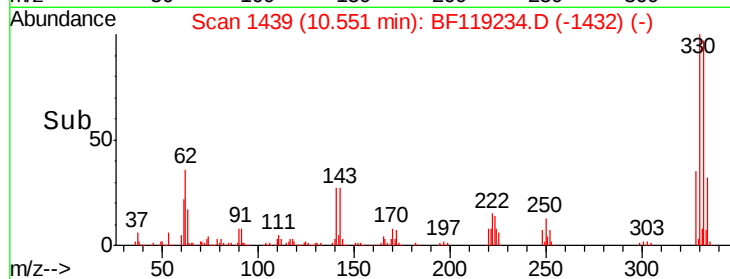
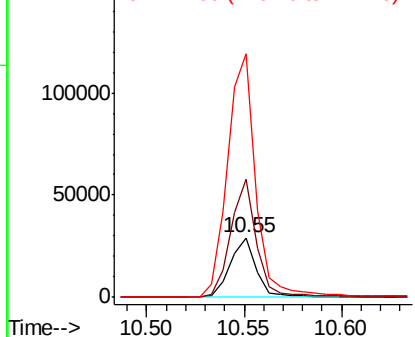
#67
4-Bromophenyl-phenylether
Concen: 3.143 ng
RT: 10.55 min Scan# 1439
Delta R.T. -0.26 min
Lab File: BF119234.D
Acq: 6 Mar 2020 1:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 27020
Ion Ratio Lower Upper
248 100
250 198.3 76.7 115.1#
141 410.8 60.7 91.1#

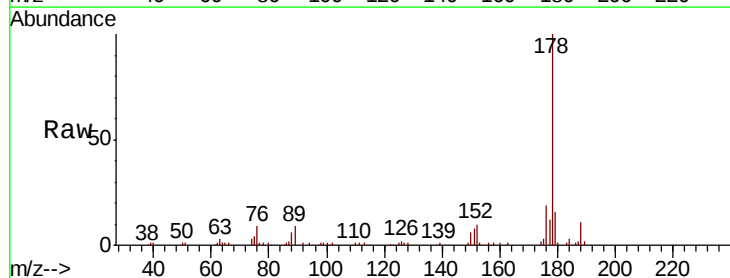


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

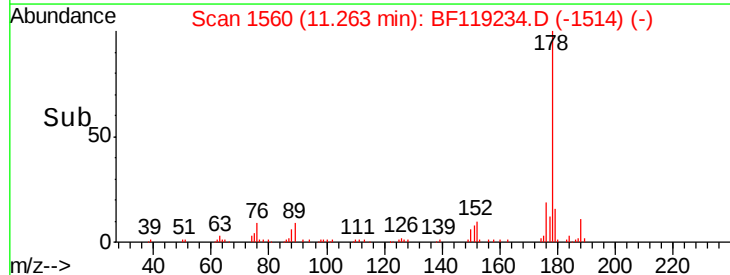
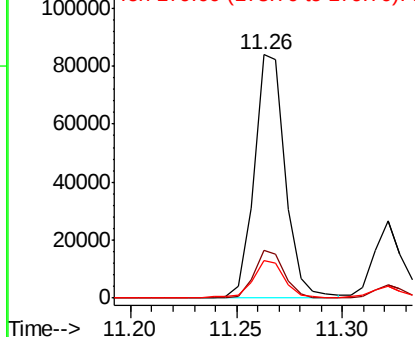


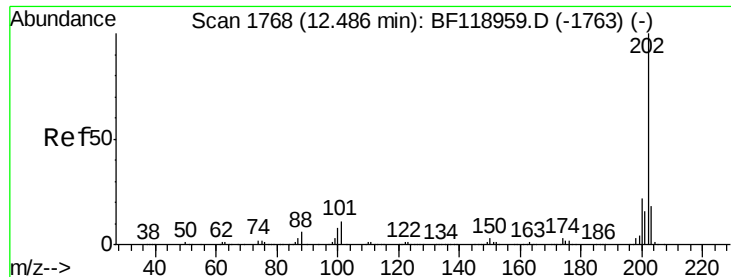
#71
Phenanthrene
Concen: 2.407 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.03 min
Lab File: BF119234.D
Acq: 6 Mar 2020 1:56

Tgt Ion:178 Resp: 86337
Ion Ratio Lower Upper
178 100
176 19.4 16.5 24.7
179 15.7 13.0 19.6



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





#75

Fluoranthene

Concen: 3.410 ng

RT: 12.46 min Scan# 1763

Delta R.T. -0.02 min

Lab File: BF119234.D

Acq: 6 Mar 2020 1:56

Instrument :

BNA_F

ClientSampleId :

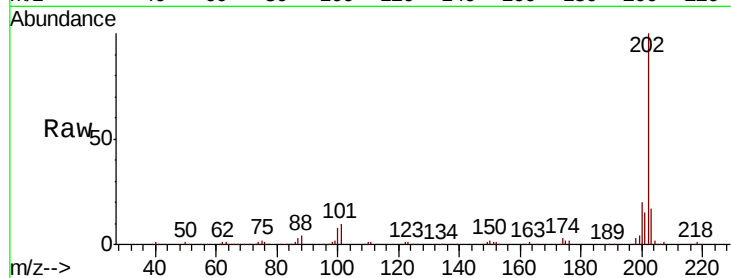
Tot Ion:202 Resp: 129846

Ion Ratio Lower Upper

202 100

101 9.6 0.0 30.3

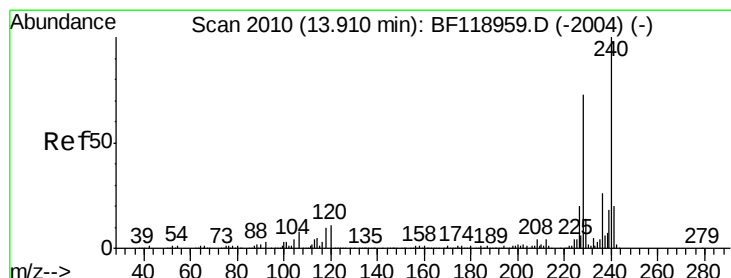
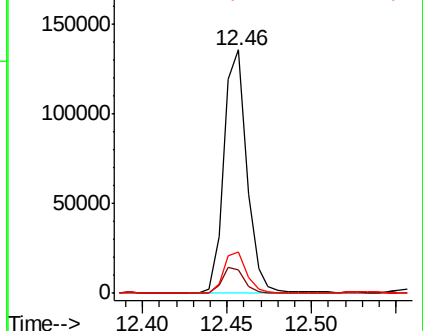
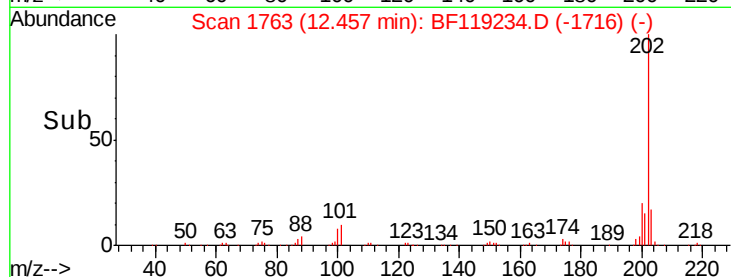
203 17.2 0.0 38.4



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.88 min Scan# 2005

Delta R.T. -0.02 min

Lab File: BF119234.D

Acq: 6 Mar 2020 1:56

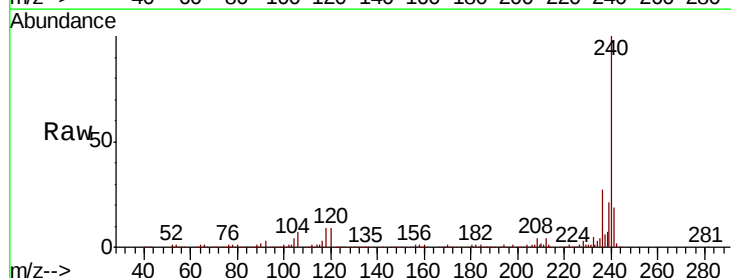
Tgt Ion:240 Resp: 396830

Ion Ratio Lower Upper

240 100

120 9.3 8.4 12.6

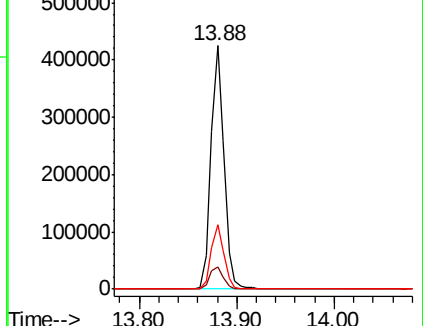
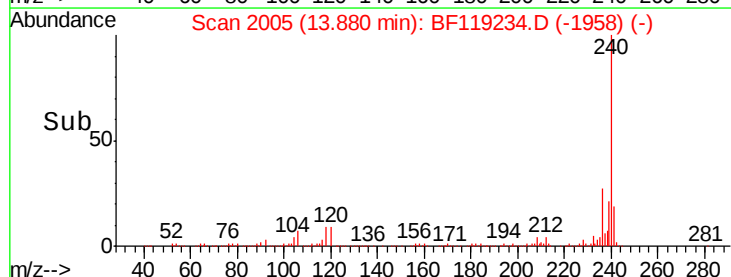
236 26.5 21.0 31.4

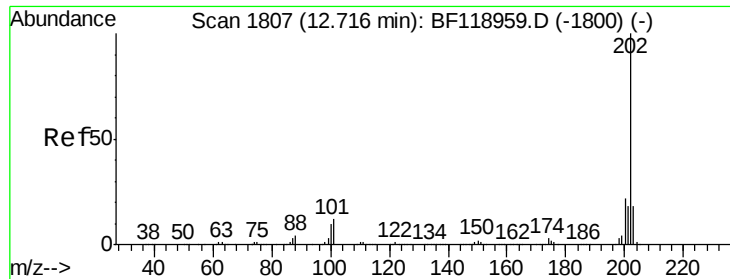


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

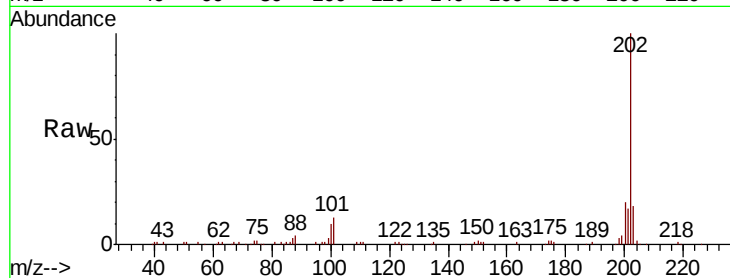




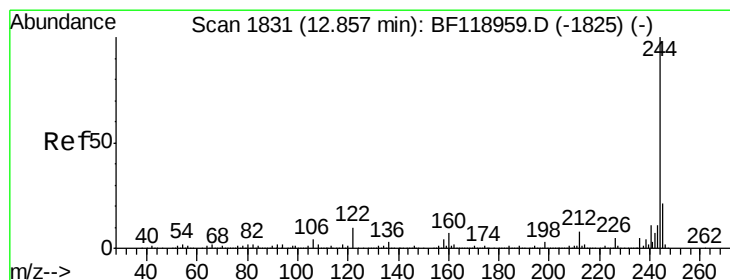
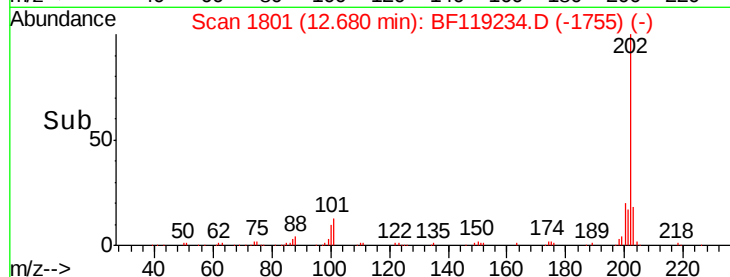
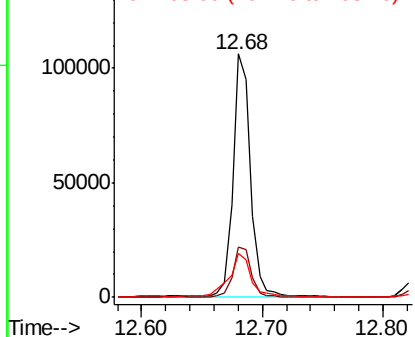
#78
Pvrene
Concen: 3.402 ng
RT: 12.68 min Scan# 1801
Delta R.T. -0.03 min
Lab File: BF119234.D
Acq: 6 Mar 2020 1:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 108411
Ion Ratio Lower Upper
202 100
200 20.5 18.0 27.0
203 18.2 14.6 22.0

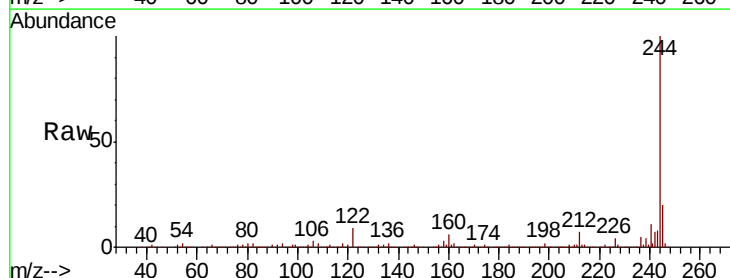


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

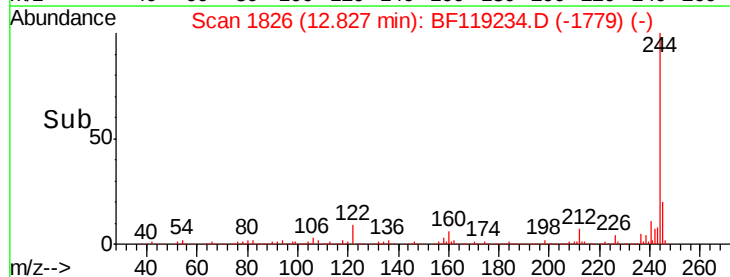
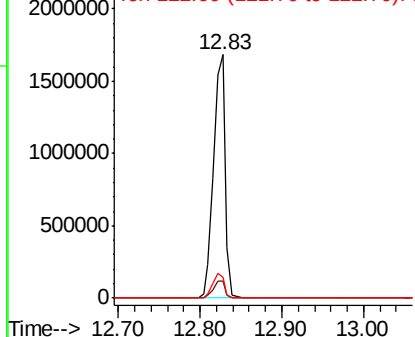


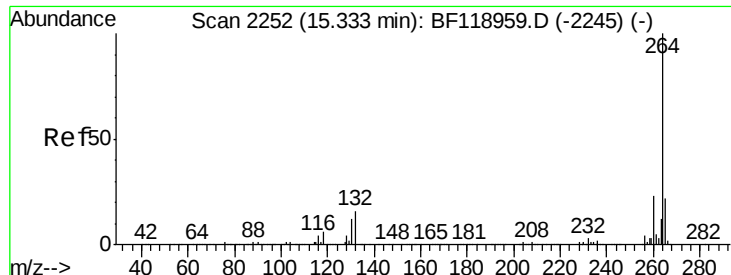
#79
Terphenyl-d14
Concen: 72.465 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.02 min
Lab File: BF119234.D
Acq: 6 Mar 2020 1:56

Tgt Ion:244 Resp: 1670241
Ion Ratio Lower Upper
244 100
212 7.1 6.6 10.0
122 8.6 8.2 12.2



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

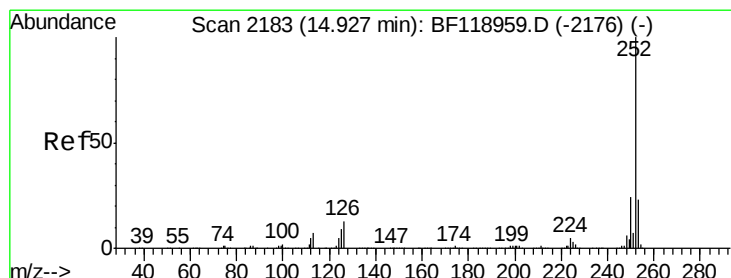
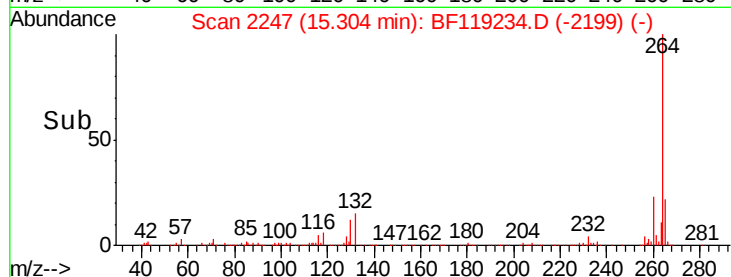
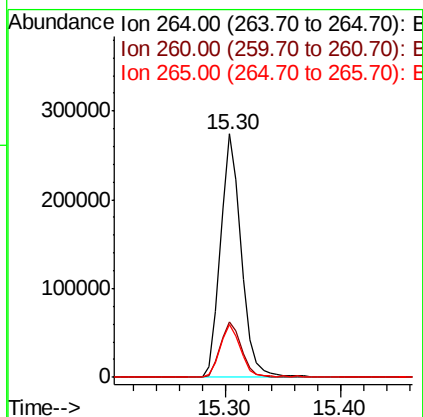
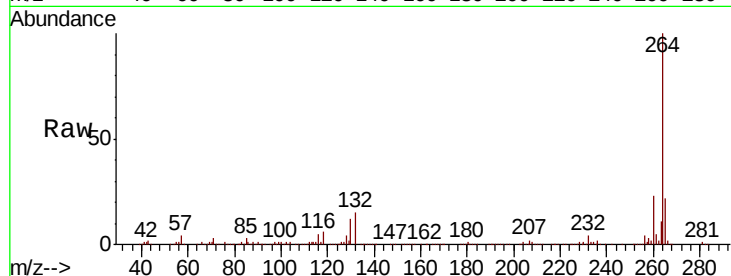




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.30 min Scan# 2247
Delta R.T. -0.02 min
Lab File: BF119234.D
Acq: 6 Mar 2020 1:56

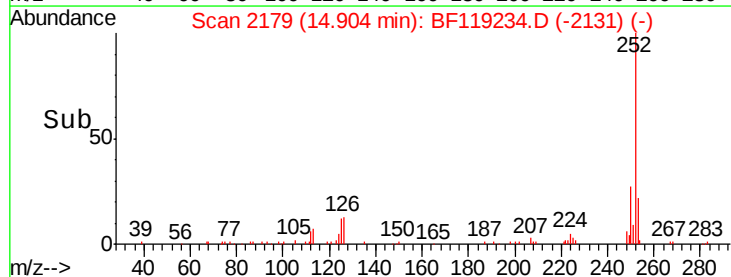
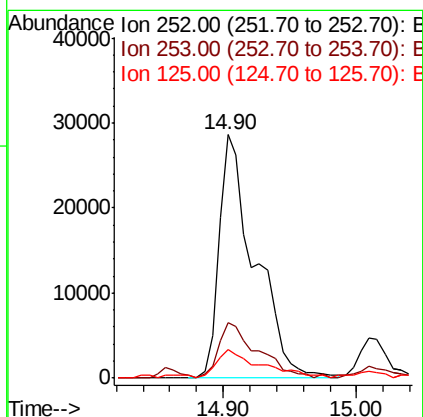
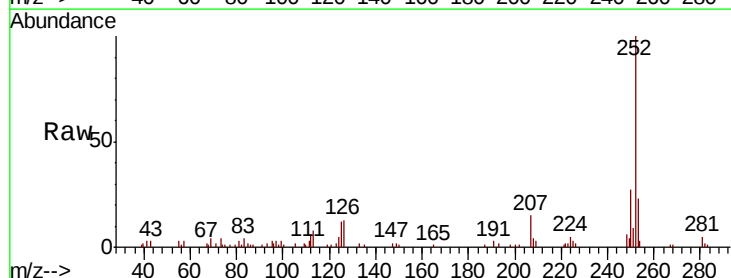
Instrument :
BNA_F
ClientSampleId :

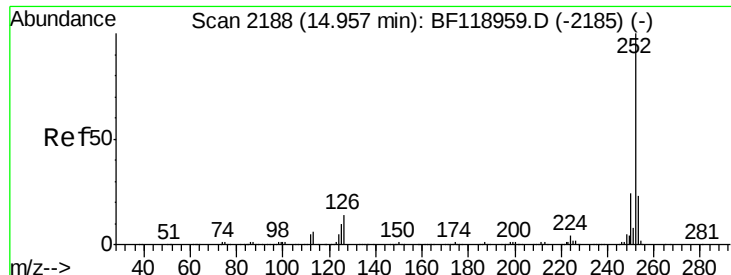
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.4	29.2
265	21.7	17.7	26.5



#88
Benzo(b)fluoranthene
Concen: 2.374 ng
RT: 14.90 min Scan# 2179
Delta R.T. -0.02 min
Lab File: BF119234.D
Acq: 6 Mar 2020 1:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.1	27.1
125	11.8	7.4	11.0#





#89
Benzo(k)fluoranthene
Concen: 2.561 ng
RT: 14.90 min Scan# 2179
Delta R.T. -0.05 min
Lab File: BF119234.D
Acq: 6 Mar 2020 1:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.8
125	11.8	7.5	11.3

