

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031020\
 Data File : BF119327.D
 Acq On : 10 Mar 2020 20:22
 Operator : CG/JU
 Sample : L1852-07 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 11 01:41:43 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 06 23:38:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	121719	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	443849	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	213207	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	321126	20.00	ng	0.00
76) Chrysene-d12	13.89	240	266661	20.00	ng	0.00
87) Perylene-d12	15.32	264	220987	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.36	112	209297	28.74	ng	0.01
7) Phenol-d6	6.39	99	272078	30.72	ng	0.00
23) Nitrobenzene-d5	7.29	82	171056	20.35	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	58372	20.93	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	346471	23.94	ng	0.00
79) Terphenyl-d14	12.82	244	314025	20.27	ng	0.00

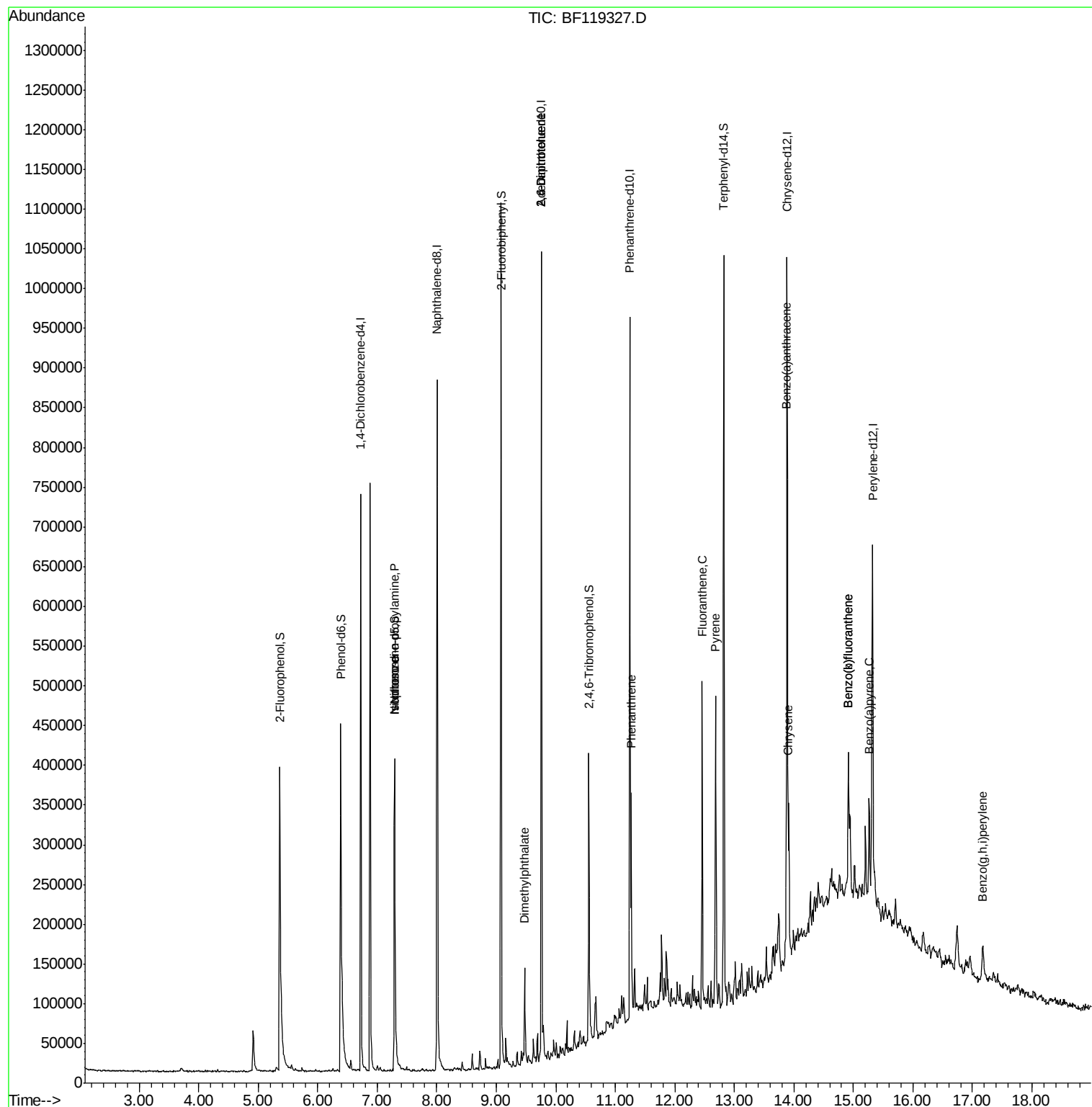
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.29	70	23993	4.648	ng	# 74
25) Isophorone	7.29	82	171056	11.717	ng	# 63
50) Dimethylphthalate	9.48	163	53750	3.297	ng	100
51) 2,6-Dinitrotoluene	9.76	165	28221	7.791	ng	# 33
57) 2,4-Dinitrotoluene	9.76	165	28350	6.038	ng	# 21
71) Phenanthrene	11.27	178	105711	6.036	ng	98
75) Fluoranthene	12.46	202	170616	9.178	ng	99
78) Pyrene	12.69	202	157457	7.353	ng	98
81) Benzo(a)anthracene	13.87	228	93159	5.127	ng	98
83) Chrysene	13.92	228	80802	4.463	ng	97
88) Benzo(b)fluoranthene	14.92	252	124259	8.531	ng	# 97
89) Benzo(k)fluoranthene	14.92	252	124259	9.205	ng	# 97
90) Benzo(a)pyrene	15.26	252	62216	4.733	ng	98
92) Benzo(a,h,i)perylene	17.17	276	35580	3.113	ng	96

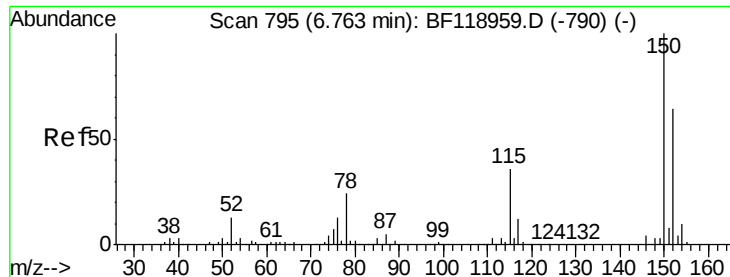
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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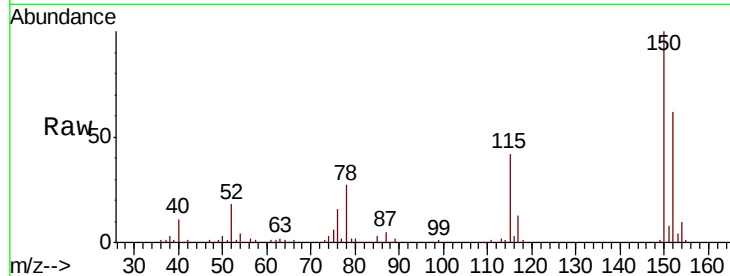


#1

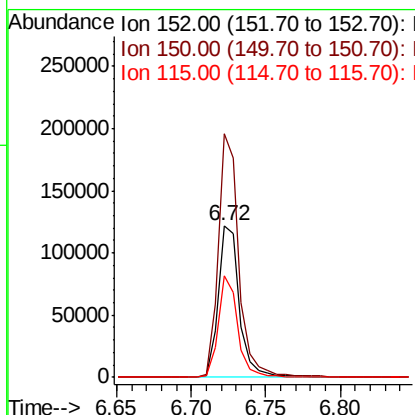
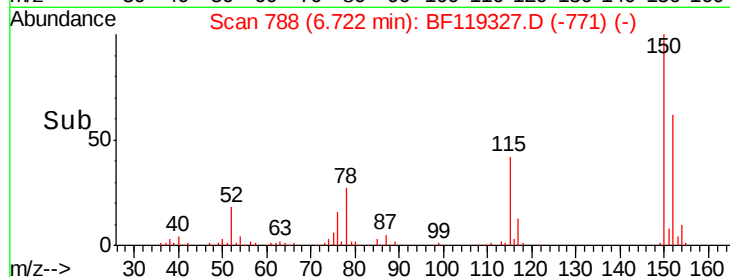
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. 0.00 min
Lab File: BF119327.D
Acq: 10 Mar 2020 20:22

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 121719
Ion Ratio Lower Upper
152 100
150 160.2 123.0 184.6
115 66.5 49.5 74.3



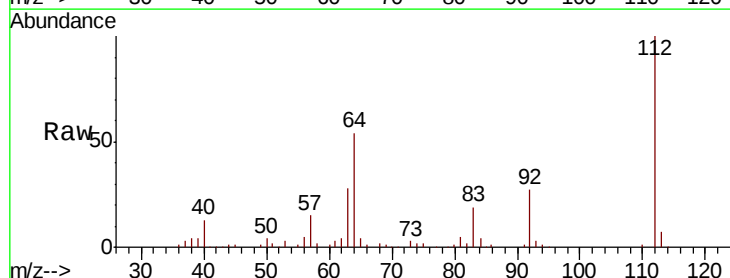
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



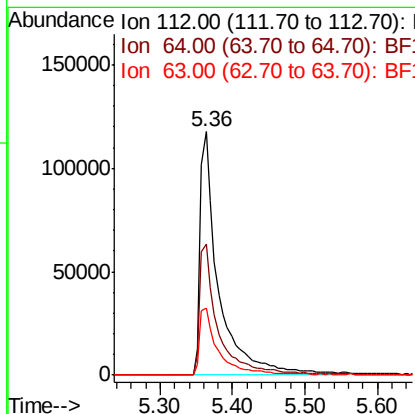
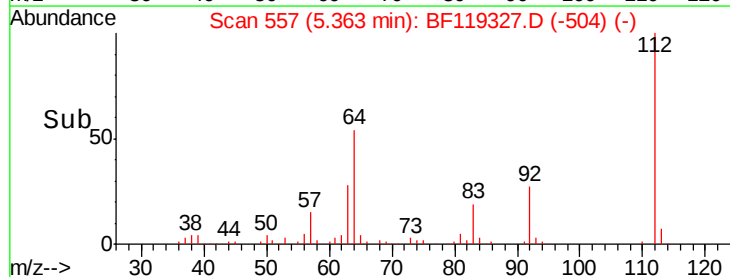
#5

2-Fluorophenol
Concen: 28.736 ng
RT: 5.36 min Scan# 557
Delta R.T. 0.01 min
Lab File: BF119327.D
Acq: 10 Mar 2020 20:22

Tgt Ion:112 Resp: 209297
Ion Ratio Lower Upper
112 100
64 54.0 45.0 67.4
63 27.6 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: 30.716 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF119327.D

Acq: 10 Mar 2020 20:22

Instrument :

BNA_F

ClientSampleId :

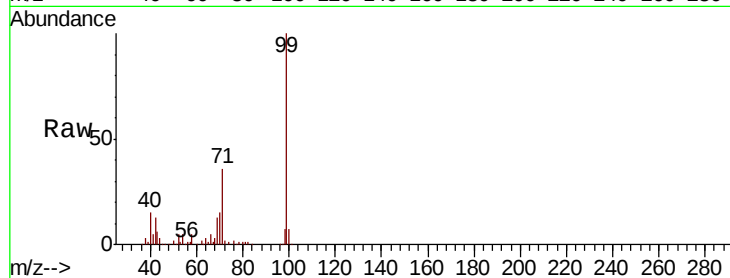
Tot Ion: 99 Resp: 272078

Ion Ratio Lower Upper

99 100

42 13.4 12.6 18.8

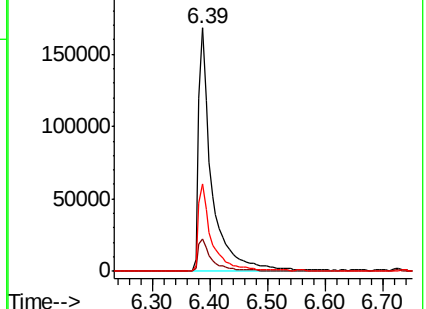
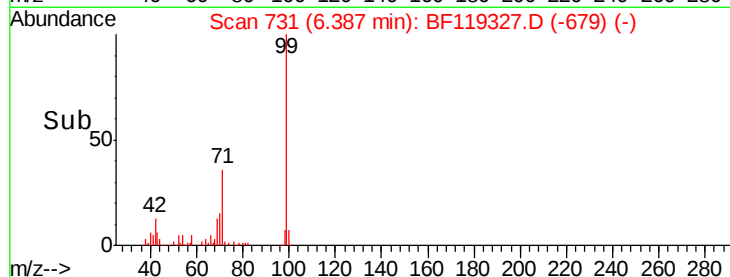
71 36.2 31.0 46.4



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: 4.648 ng

RT: 7.29 min Scan# 885

Delta R.T. 0.15 min

Lab File: BF119327.D

Acq: 10 Mar 2020 20:22

Tgt Ion: 70 Resp: 23993

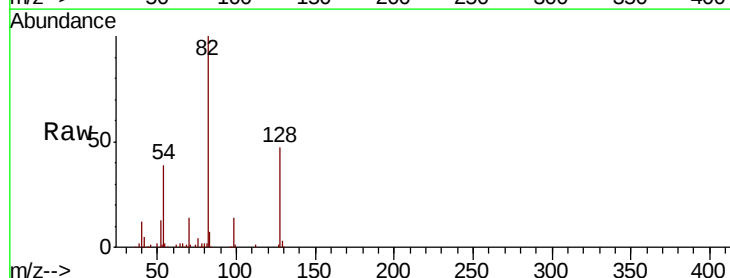
Ion Ratio Lower Upper

70 100

42 35.5 38.0 57.0#

101 0.0 8.2 12.4#

130 2.0 18.2 27.4#

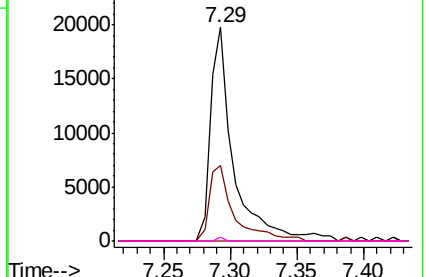
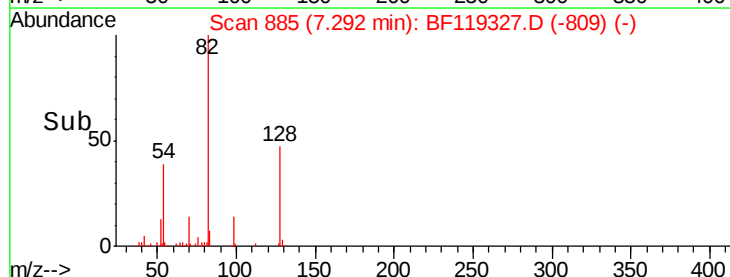


Abundance Ion 70.00 (69.70 to 70.70): BF1

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. -0.01 min

Lab File: BF119327.D

Acq: 10 Mar 2020 20:22

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 443849

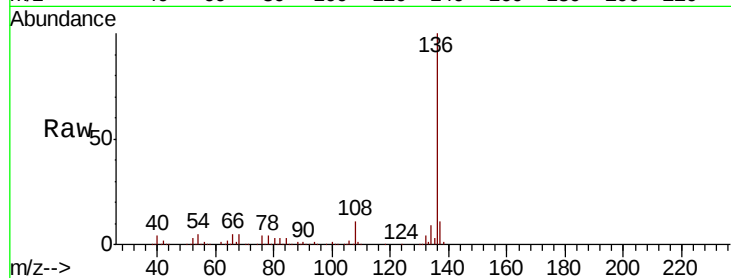
Ion Ratio Lower Upper

136 100

137 11.2 8.8 13.2

54 5.4 3.8 5.6

68 5.4 3.9 5.9

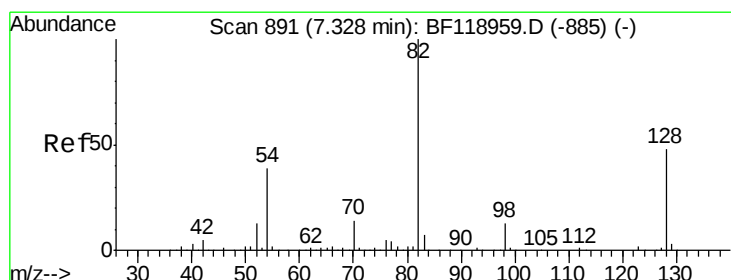
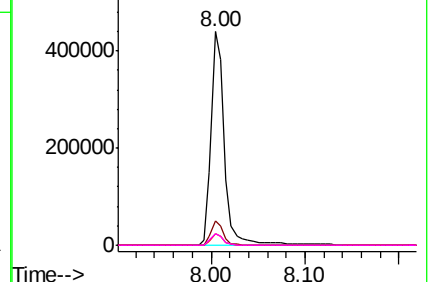
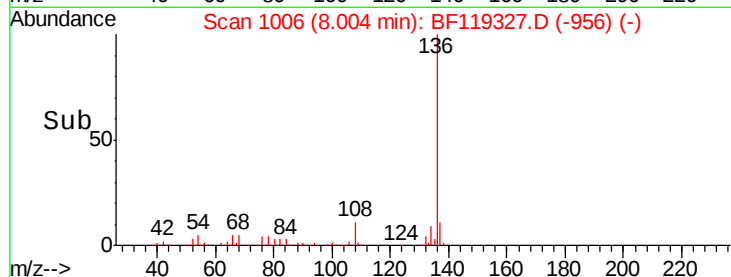


Abundance Ion 136.00 (135.70 to 136.70): E

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: 20.349 ng

RT: 7.29 min Scan# 885

Delta R.T. 0.00 min

Lab File: BF119327.D

Acq: 10 Mar 2020 20:22

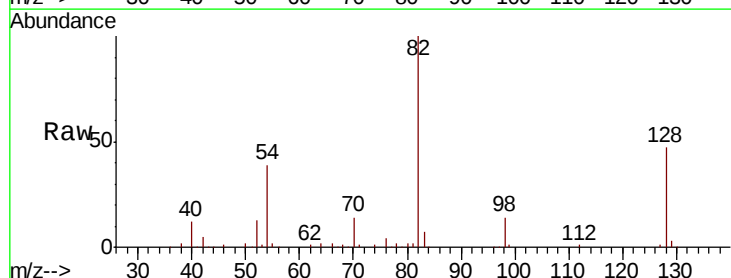
Tgt Ion: 82 Resp: 171056

Ion Ratio Lower Upper

82 100

128 46.9 37.9 56.9

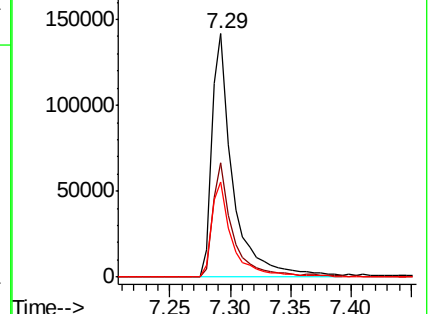
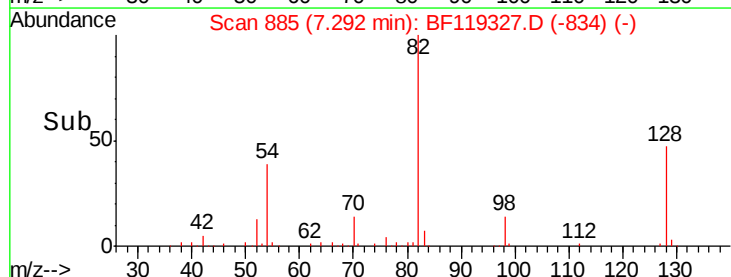
54 39.0 33.4 50.2



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: 11.717 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.26 min

Lab File: BF119327.D

Acq: 10 Mar 2020 20:22

Instrument :

BNA_F

ClientSampleId :

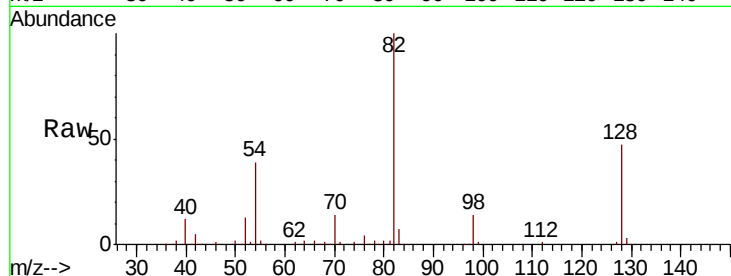
Tot Ion: 82 Resp: 171056

Ion Ratio Lower Upper

82 100

95 0.0 6.4 9.6#

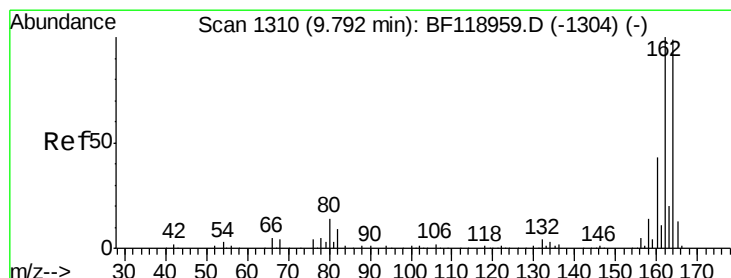
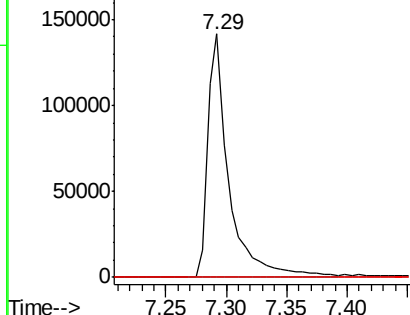
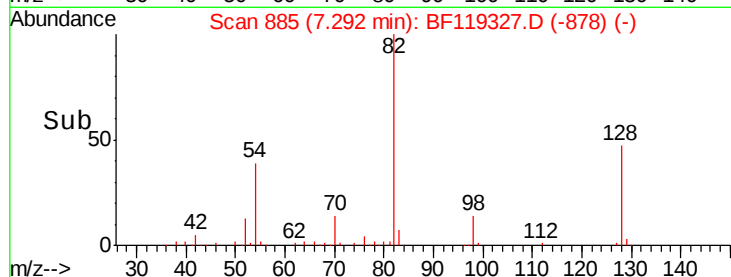
138 0.0 15.7 23.5#



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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF119327.D

Acq: 10 Mar 2020 20:22

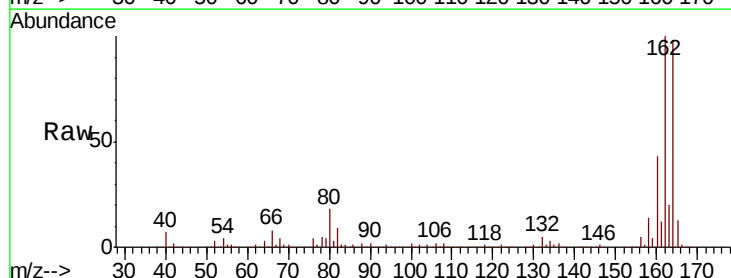
Tgt Ion:164 Resp: 213207

Ion Ratio Lower Upper

164 100

162 102.1 81.8 122.8

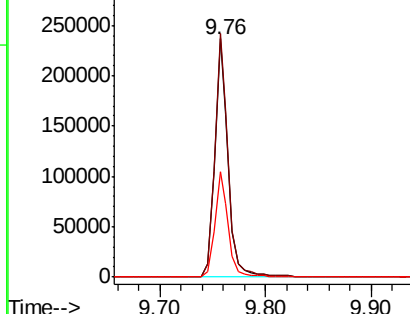
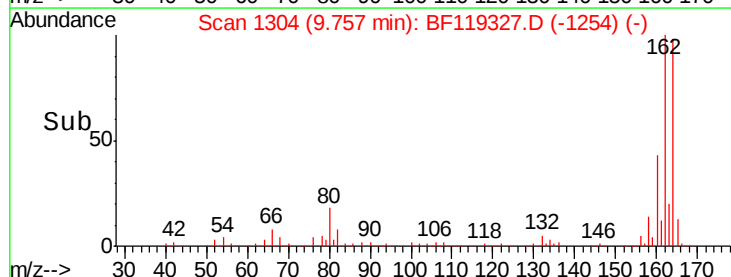
160 44.1 36.0 54.0

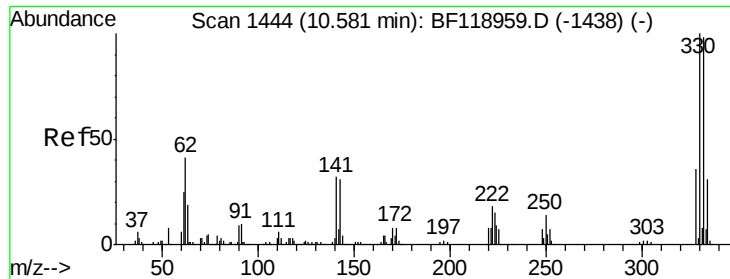


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

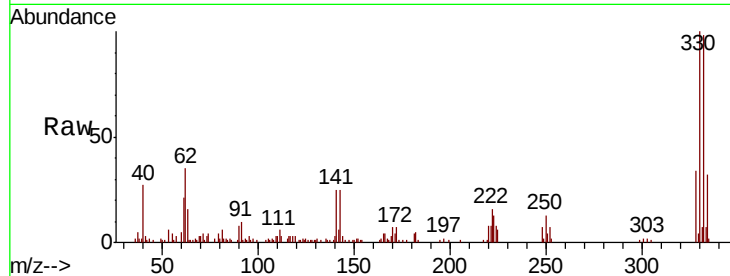




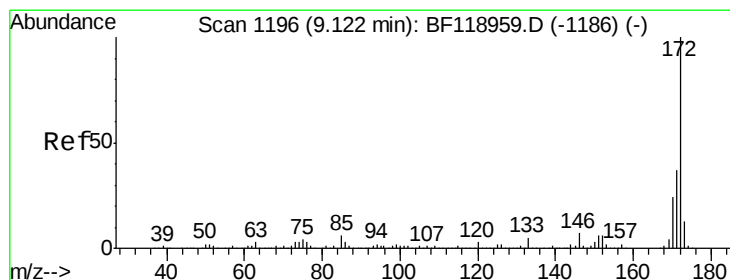
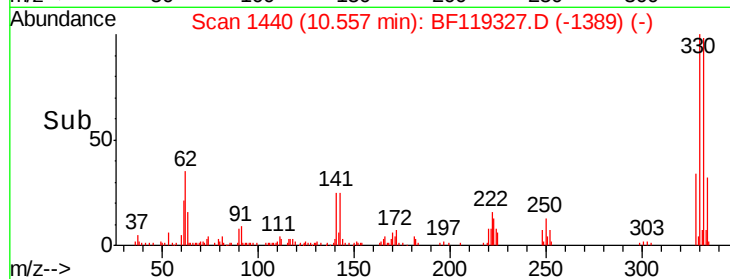
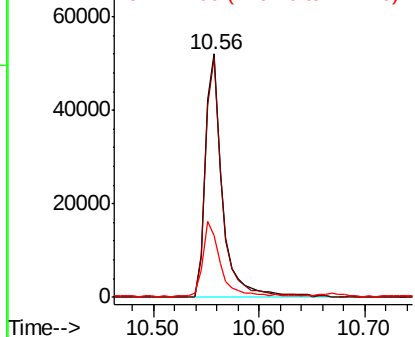
#42
 2,4,6-Tribromophenol
 Concen: 20.929 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: BF119327.D
 Acq: 10 Mar 2020 20:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 58372
 Ion Ratio Lower Upper
 330 100
 332 97.5 76.0 114.0
 141 34.5 22.9 34.3#

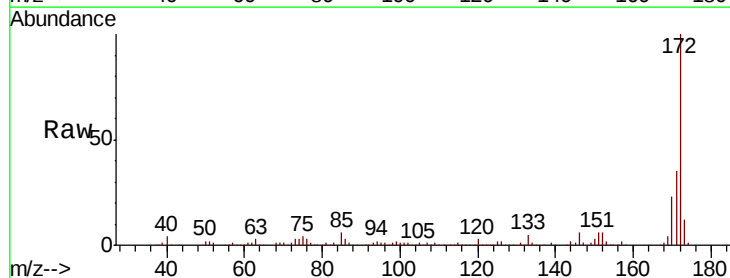


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

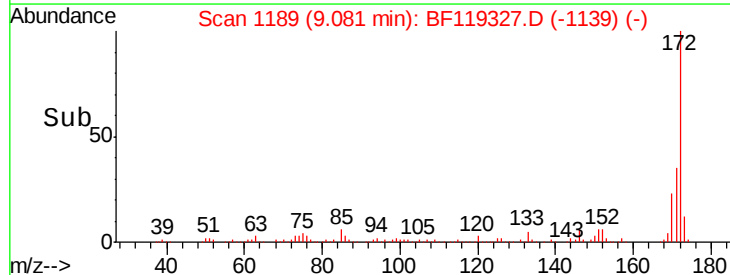
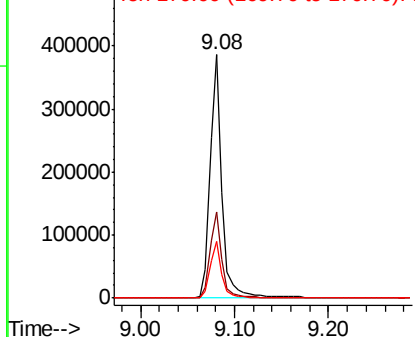


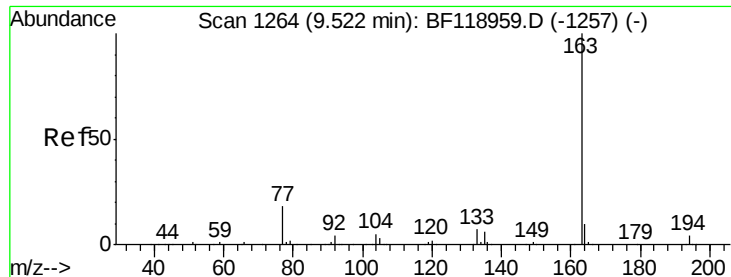
#45
 2-Fluorobiphenyl
 Concen: 23.940 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF119327.D
 Acq: 10 Mar 2020 20:22

Tgt Ion:172 Resp: 346471
 Ion Ratio Lower Upper
 172 100
 171 35.4 30.6 45.8
 170 23.1 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: 3.297 ng

RT: 9.48 min Scan# 1257

Delta R.T. -0.01 min

Lab File: BF119327.D

Acq: 10 Mar 2020 20:22

Instrument :

BNA_F

ClientSampleId :

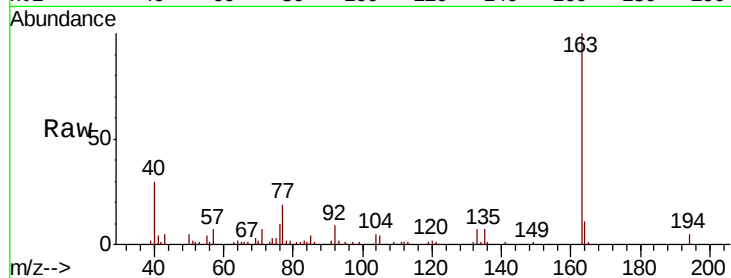
Tot Ion:163 Resp: 53750

Ion Ratio Lower Upper

163 100

194 4.6 3.5 5.3

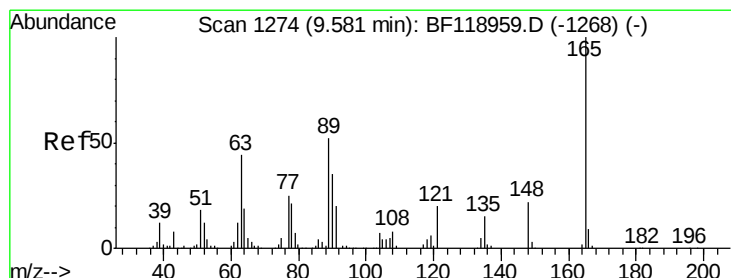
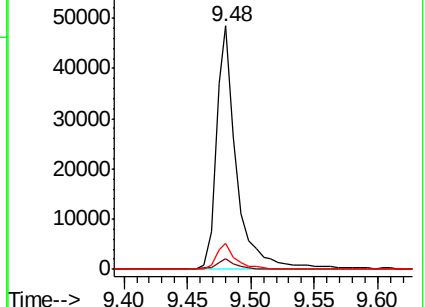
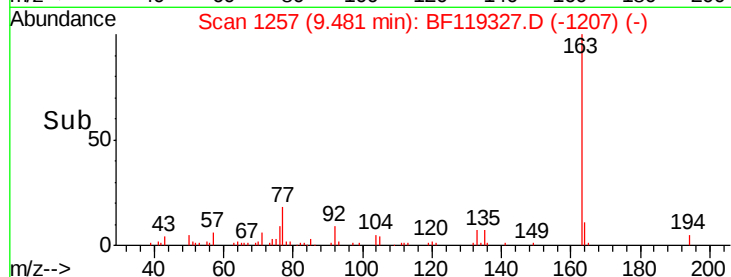
164 10.6 8.4 12.6



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: 7.791 ng

RT: 9.76 min Scan# 1304

Delta R.T. 0.20 min

Lab File: BF119327.D

Acq: 10 Mar 2020 20:22

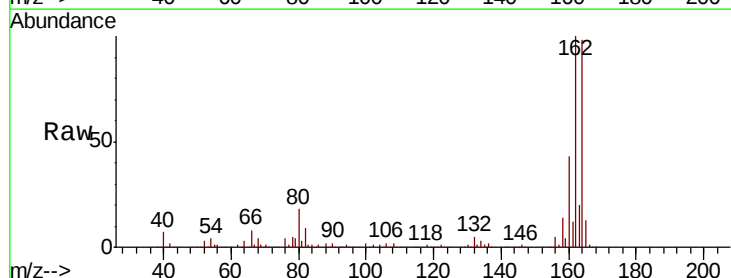
Tgt Ion:165 Resp: 28221

Ion Ratio Lower Upper

165 100

63 1.3 34.3 51.5#

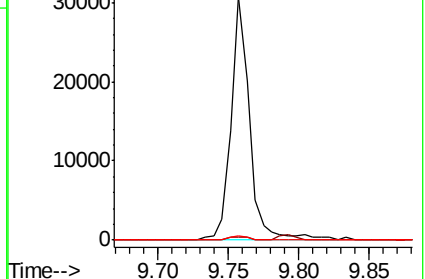
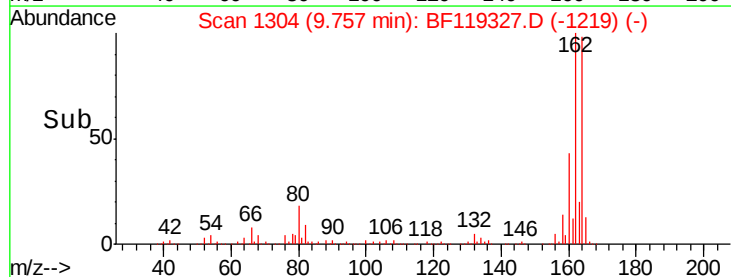
89 2.0 38.3 57.5#



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

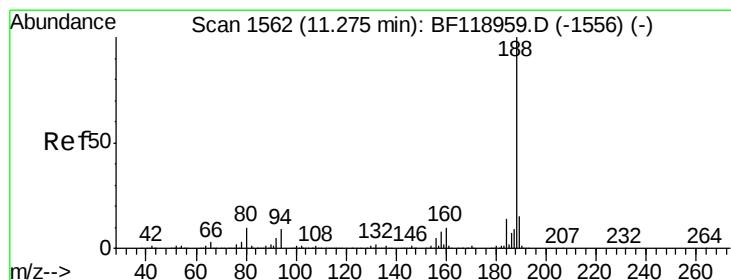
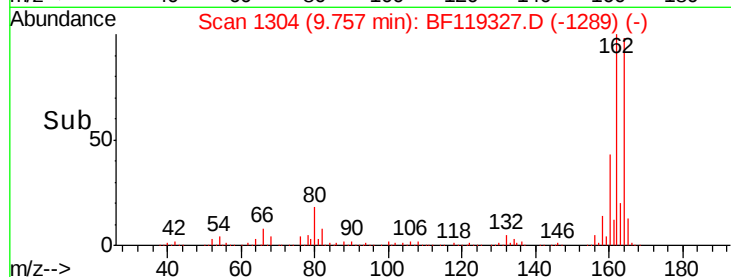
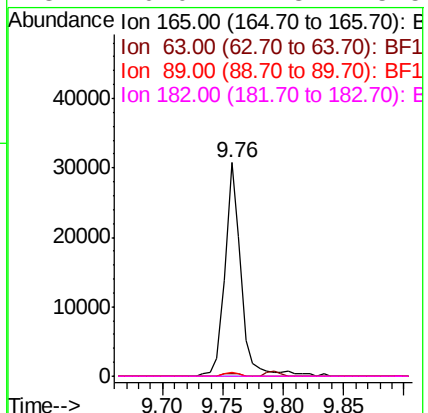
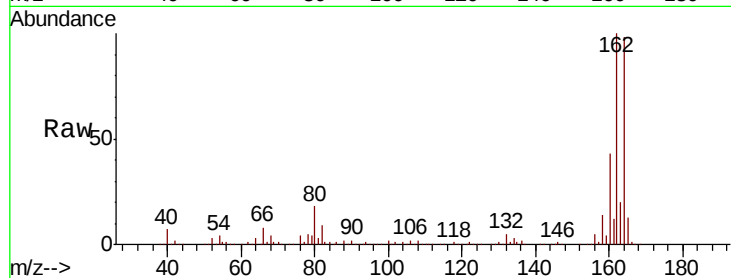




#57
2,4-Dinitrotoluene
Concen: 6.038 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.21 min
Lab File: BF119327.D
Acq: 10 Mar 2020 20:22

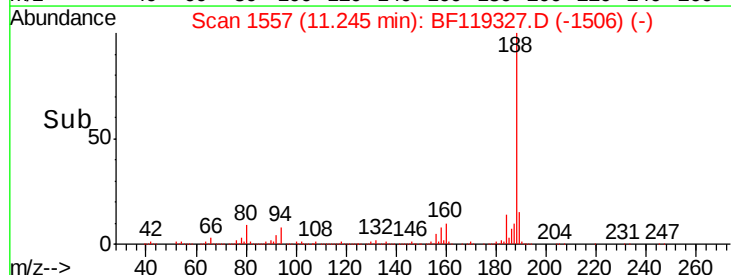
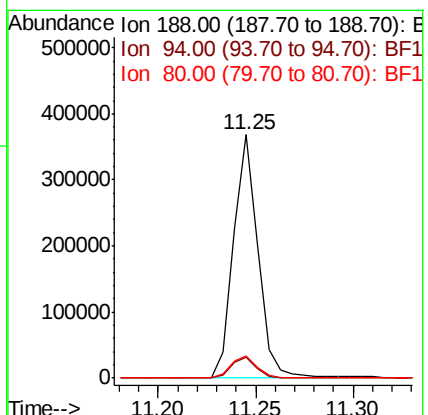
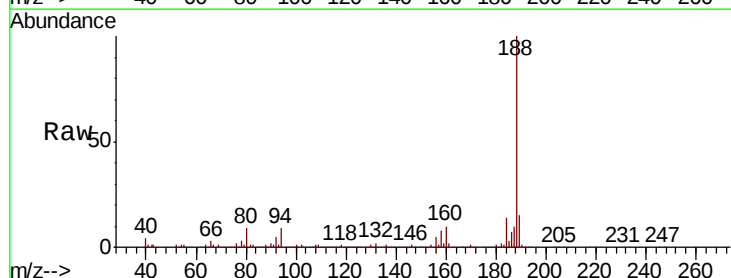
Instrument :
BNA_F
ClientSampleId :

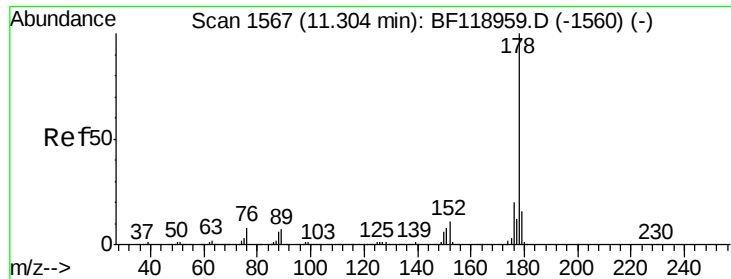
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	42.3	63.5#
89	2.0	60.2	90.4#
182	0.0	2.3	3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1557
Delta R.T. 0.00 min
Lab File: BF119327.D
Acq: 10 Mar 2020 20:22

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.6	7.1	10.7
80	9.2	7.8	11.8

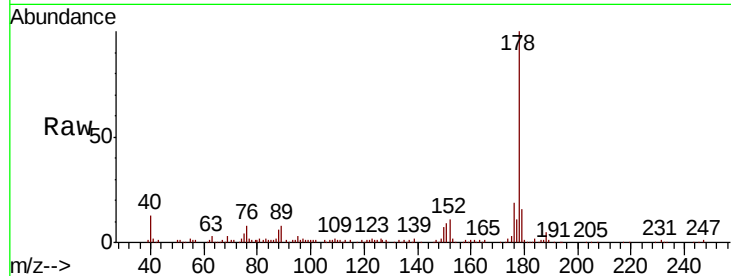




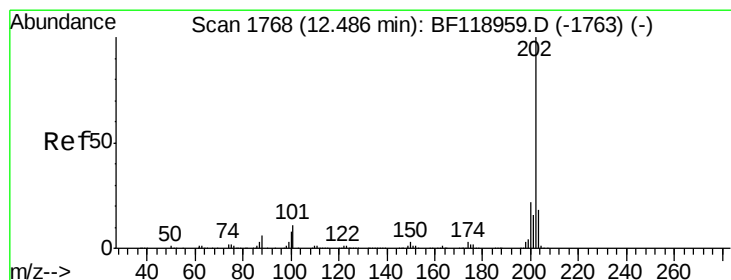
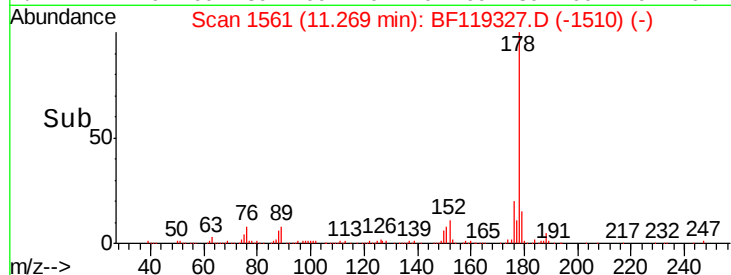
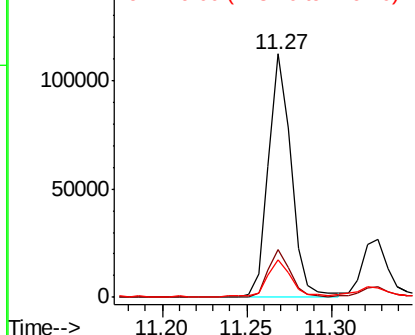
#71
Phenanthrene
Concen: 6.036 ng
RT: 11.27 min Scan# 1561
Delta R.T. 0.00 min
Lab File: BF119327.D
Acq: 10 Mar 2020 20:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 105711
Ion Ratio Lower Upper
178 100
176 19.4 16.5 24.7
179 15.5 13.0 19.6

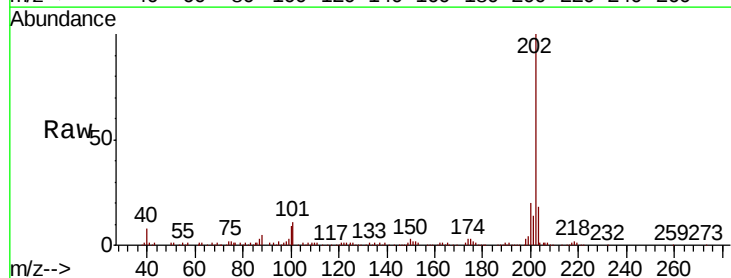


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

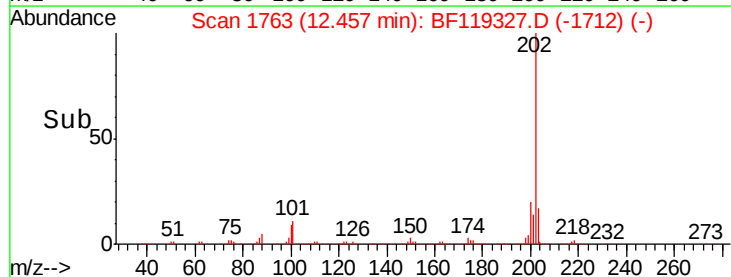
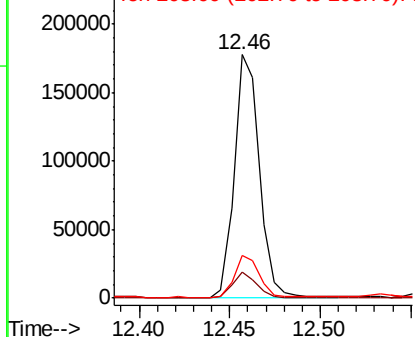


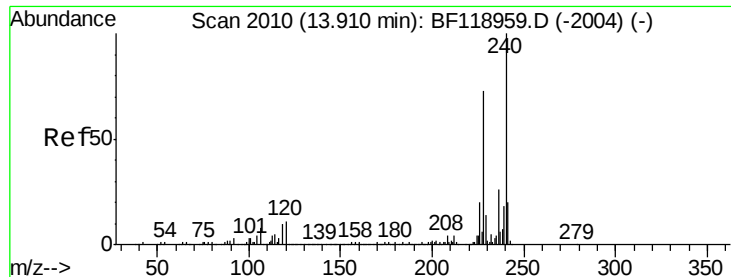
#75
Fluoranthene
Concen: 9.178 ng
RT: 12.46 min Scan# 1763
Delta R.T. 0.00 min
Lab File: BF119327.D
Acq: 10 Mar 2020 20:22

Tgt Ion:202 Resp: 170616
Ion Ratio Lower Upper
202 100
101 10.5 0.0 30.3
203 17.6 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

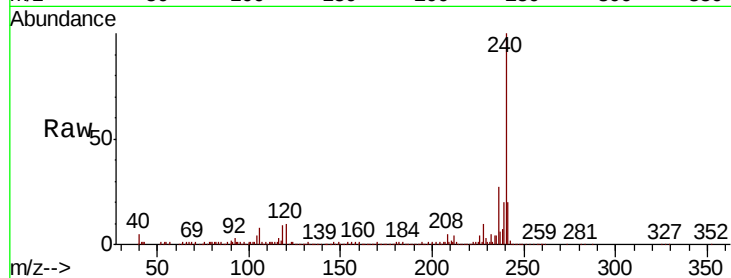




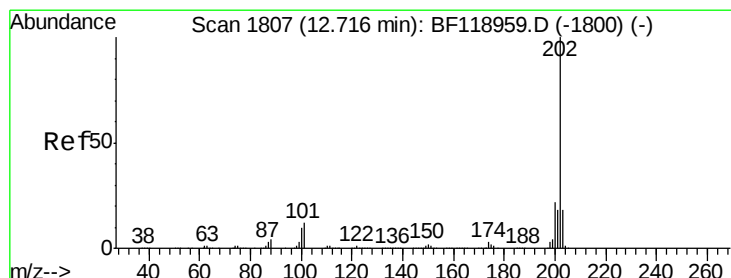
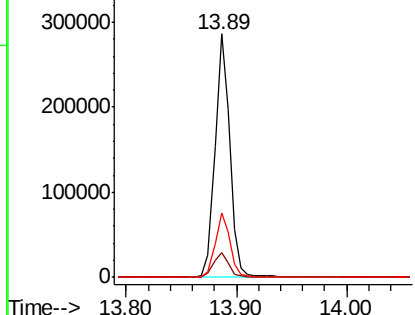
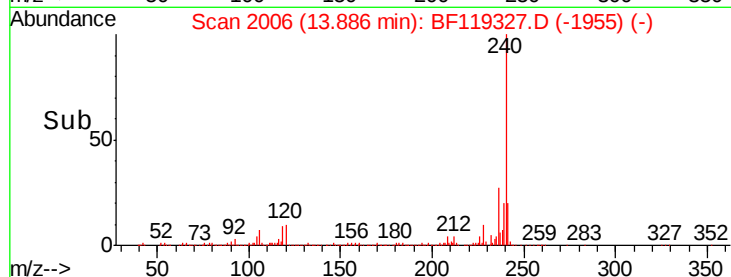
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.89 min Scan# 2006
Delta R.T. 0.00 min
Lab File: BF119327.D
Acq: 10 Mar 2020 20:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 266661
Ion Ratio Lower Upper
240 100
120 10.3 8.4 12.6
236 26.6 21.0 31.4

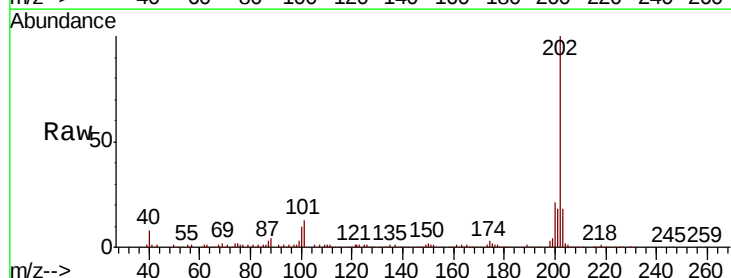


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

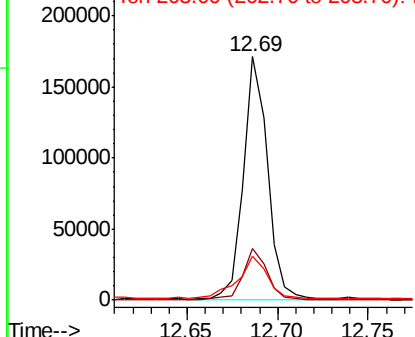
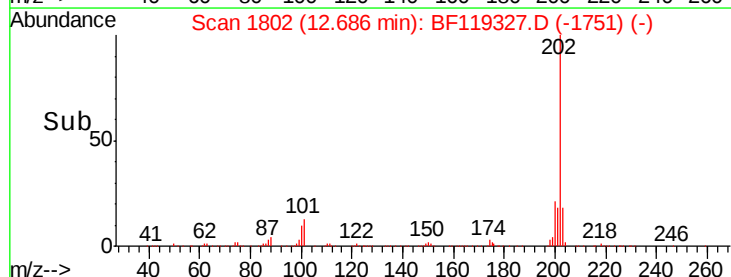


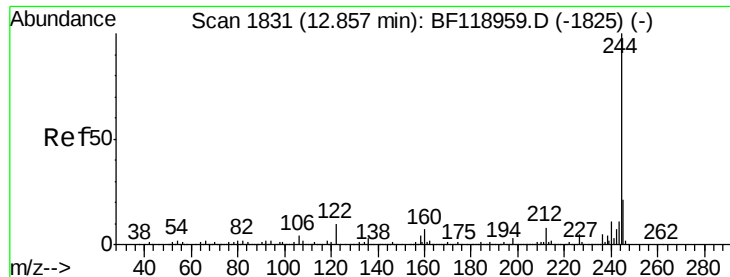
#78
Pyrene
Concen: 7.353 ng
RT: 12.69 min Scan# 1802
Delta R.T. 0.00 min
Lab File: BF119327.D
Acq: 10 Mar 2020 20:22

Tgt Ion:202 Resp: 157457
Ion Ratio Lower Upper
202 100
200 21.3 18.0 27.0
203 18.0 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: 20.275 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF119327.D

Acq: 10 Mar 2020 20:22

Instrument :

BNA_F

ClientSampleId :

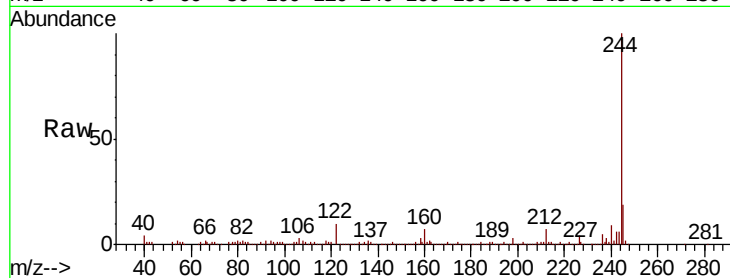
Tot Ion:244 Resp: 314025

Ion Ratio Lower Upper

244 100

212 7.1 6.6 10.0

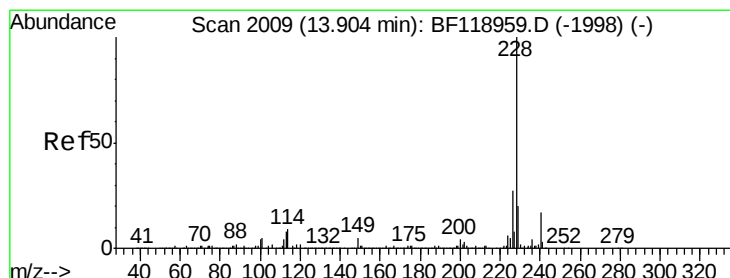
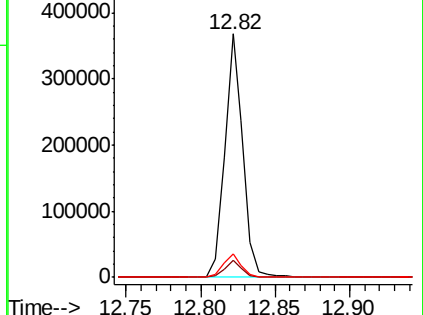
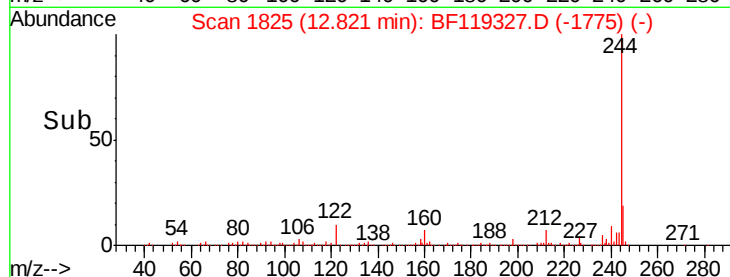
122 9.8 8.2 12.2



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



#81

Benzo(a)anthracene

Concen: 5.127 ng

RT: 13.87 min Scan# 2004

Delta R.T. 0.00 min

Lab File: BF119327.D

Acq: 10 Mar 2020 20:22

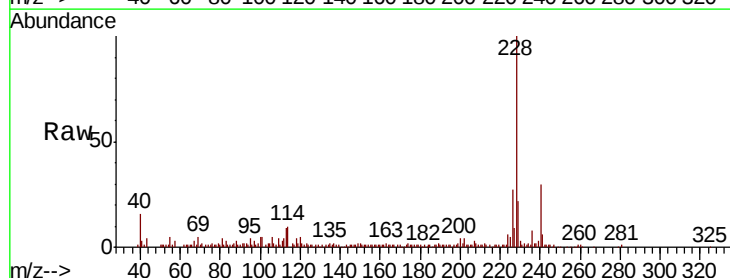
Tgt Ion:228 Resp: 93159

Ion Ratio Lower Upper

228 100

226 27.5 22.6 33.8

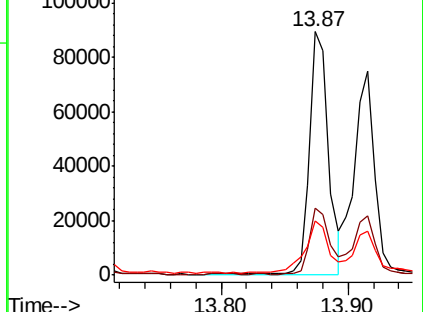
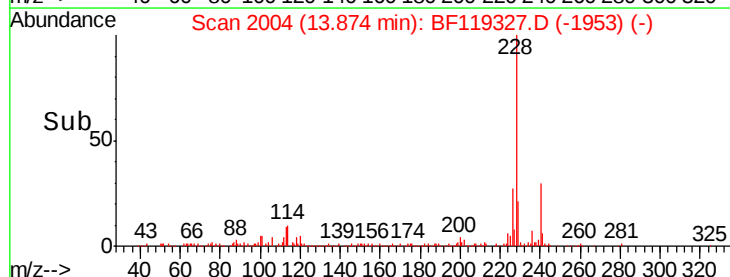
229 22.1 16.6 24.8

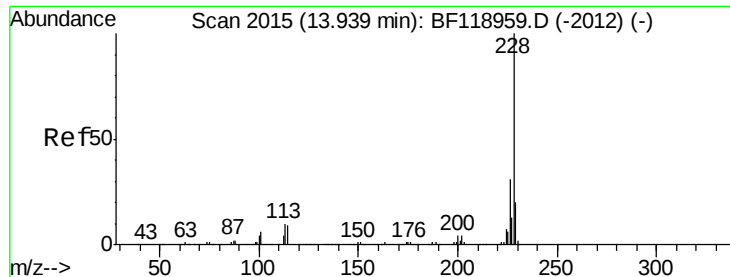


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

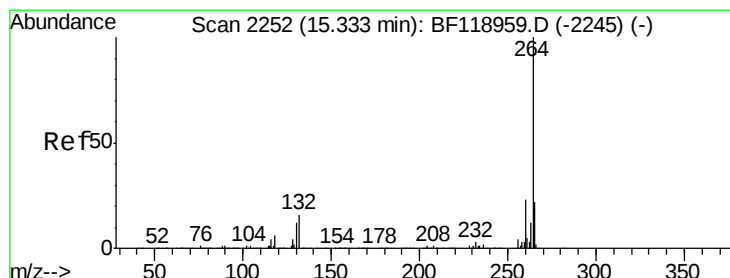
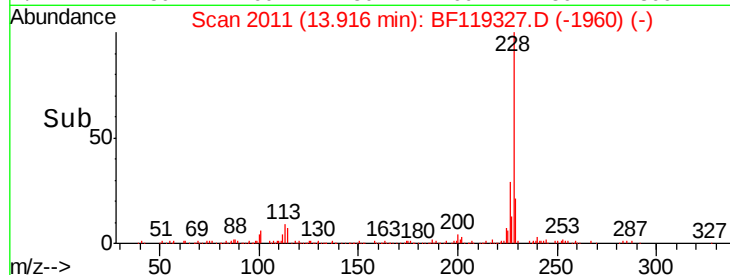
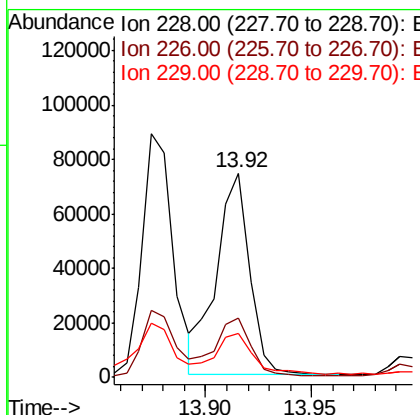
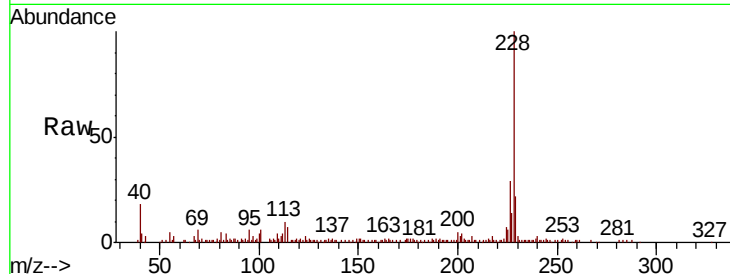




#83
 Chrysene
 Concen: 4.463 ng
 RT: 13.92 min Scan# 2011
 Delta R.T. 0.00 min
 Lab File: BF119327.D
 Acq: 10 Mar 2020 20:22

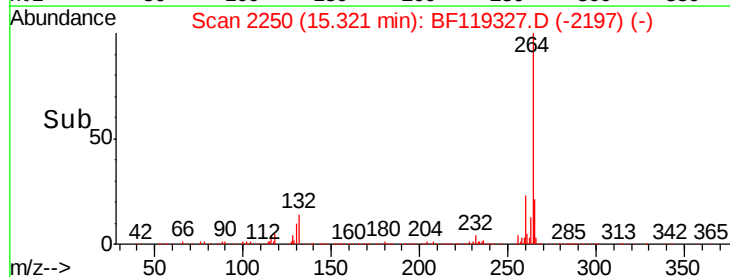
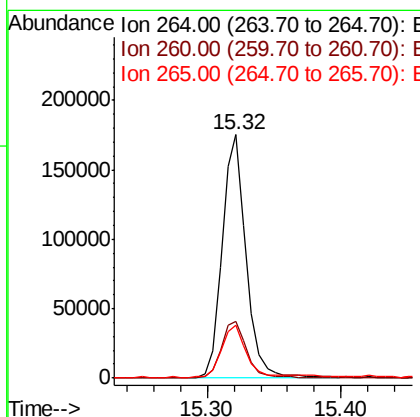
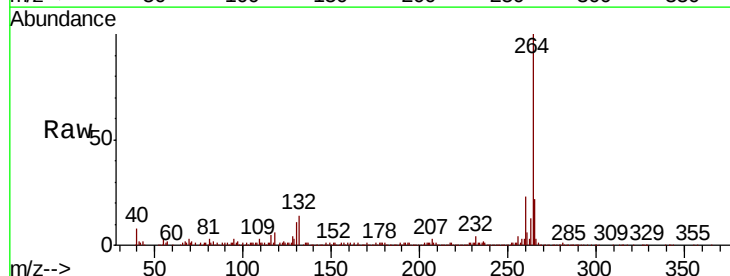
Instrument :
 BNA_F
 ClientSampled :

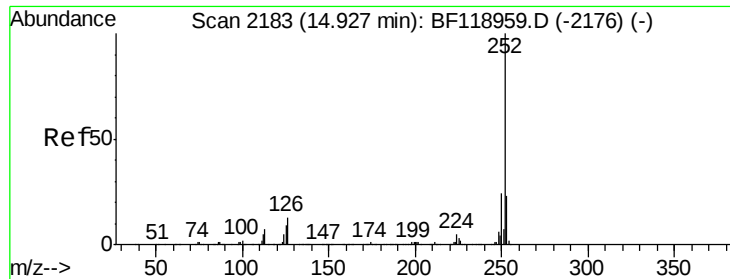
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.2	25.1	37.7
229	21.5	16.3	24.5



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.32 min Scan# 2250
 Delta R.T. 0.01 min
 Lab File: BF119327.D
 Acq: 10 Mar 2020 20:22

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.4	29.2
265	21.7	17.7	26.5

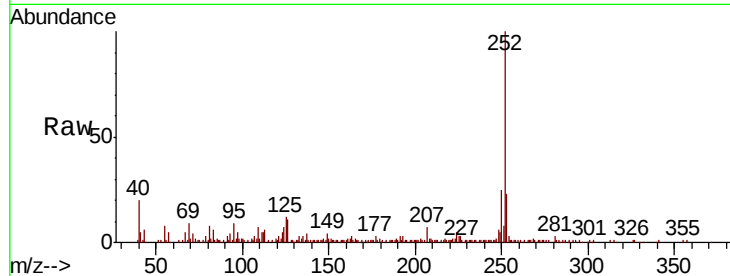




#88
Benzo(b)fluoranthene
Concen: 8.531 ng
RT: 14.92 min Scan# 2181
Delta R.T. 0.01 min
Lab File: BF119327.D
Acq: 10 Mar 2020 20:22

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.1	27.1
125	11.7	7.4	11.0#

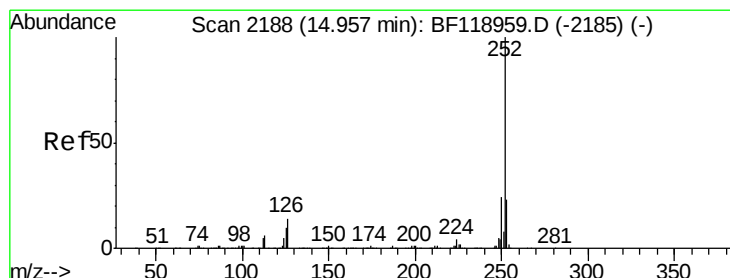
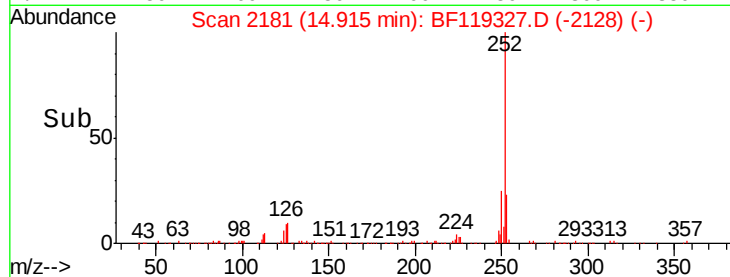
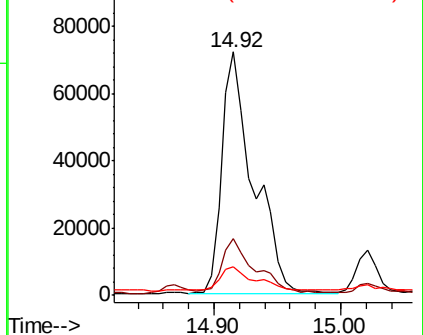


Abundance

Ion 252.00 (251.70 to 252.70): E

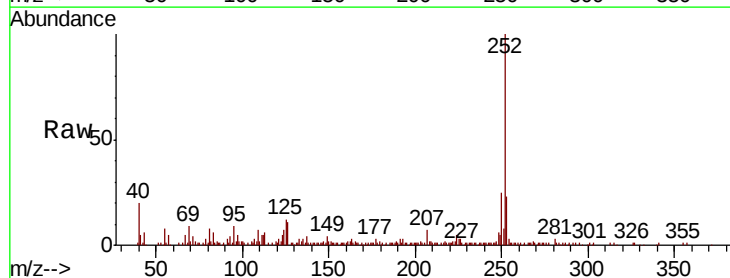
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(k)fluoranthene
Concen: 9.205 ng
RT: 14.92 min Scan# 2181
Delta R.T. -0.02 min
Lab File: BF119327.D
Acq: 10 Mar 2020 20:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.8
125	11.7	7.5	11.3#

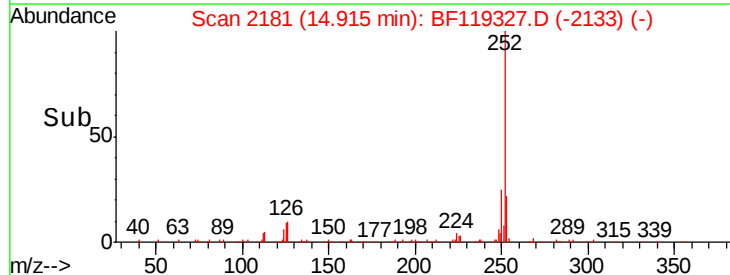
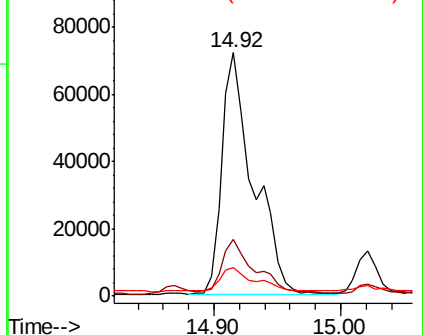


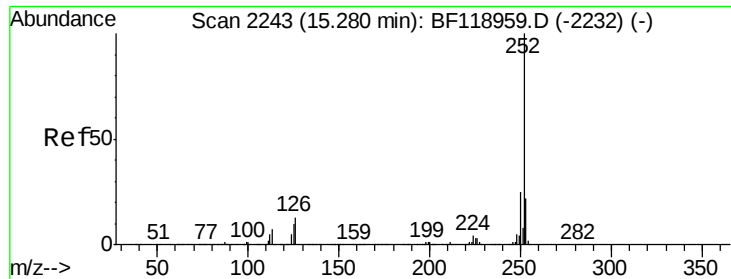
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

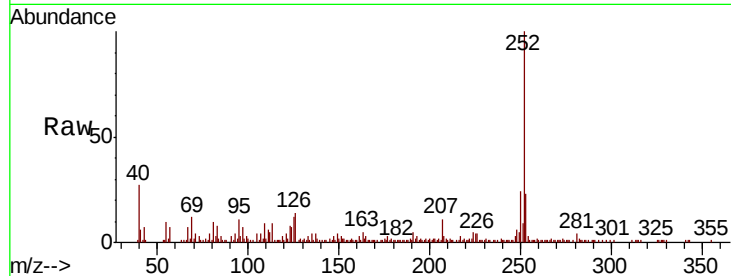




#90
Benzo(a)pyrene
Concen: 4.733 ng
RT: 15.26 min Scan# 2240
Delta R.T. 0.01 min
Lab File: BF119327.D
Acq: 10 Mar 2020 20:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.0	27.0
125	12.3	8.6	12.8

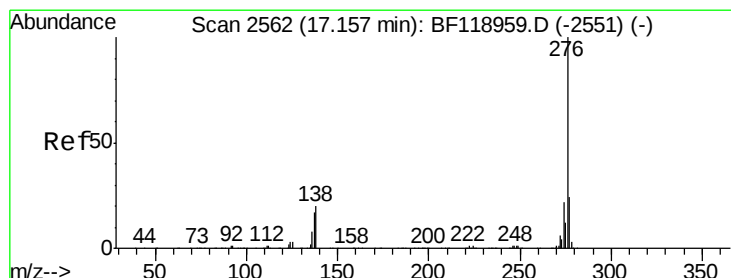
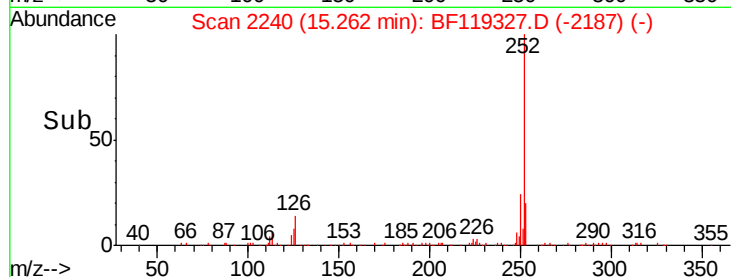
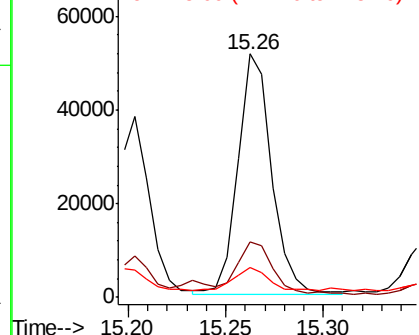


Abundance

Ion 252.00 (251.70 to 252.70): E

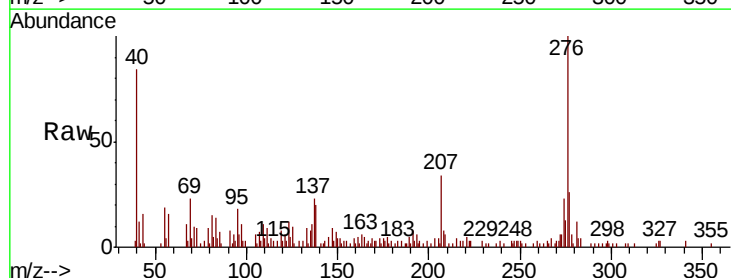
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 3.113 ng
RT: 17.17 min Scan# 2564
Delta R.T. 0.03 min
Lab File: BF119327.D
Acq: 10 Mar 2020 20:22

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.7	18.7	28.1
138	19.7	14.3	21.5



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

