

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030420\
 Data File : BF119194.D
 Acq On : 4 Mar 2020 14:55
 Operator : CG/JU
 Sample : L1762-07
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 04 16:26:28 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	6.74	152	138497	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	505202	20.00	ng	-0.01
39) Acenaphthene-d10	9.77	164	250427	20.00	ng	-0.01
64) Phenanthrene-d10	11.26	188	376417	20.00	ng	0.00
76) Chrysene-d12	13.90	240	267434	20.00	ng	0.00
87) Perylene-d12	15.33	264	314711	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.37	112	758788	91.56	ng	0.00
7) Phenol-d6	6.39	99	911577	90.44	ng	-0.01
23) Nitrobenzene-d5	7.30	82	595074	62.19	ng	-0.02
42) 2,4,6-Tribromophenol	10.56	330	248649	75.90	ng	-0.01
45) 2-Fluorobiphenyl	9.10	172	1132102	66.60	ng	-0.01
79) Terphenyl-d14	12.84	244	1000964	64.44	ng	-0.01

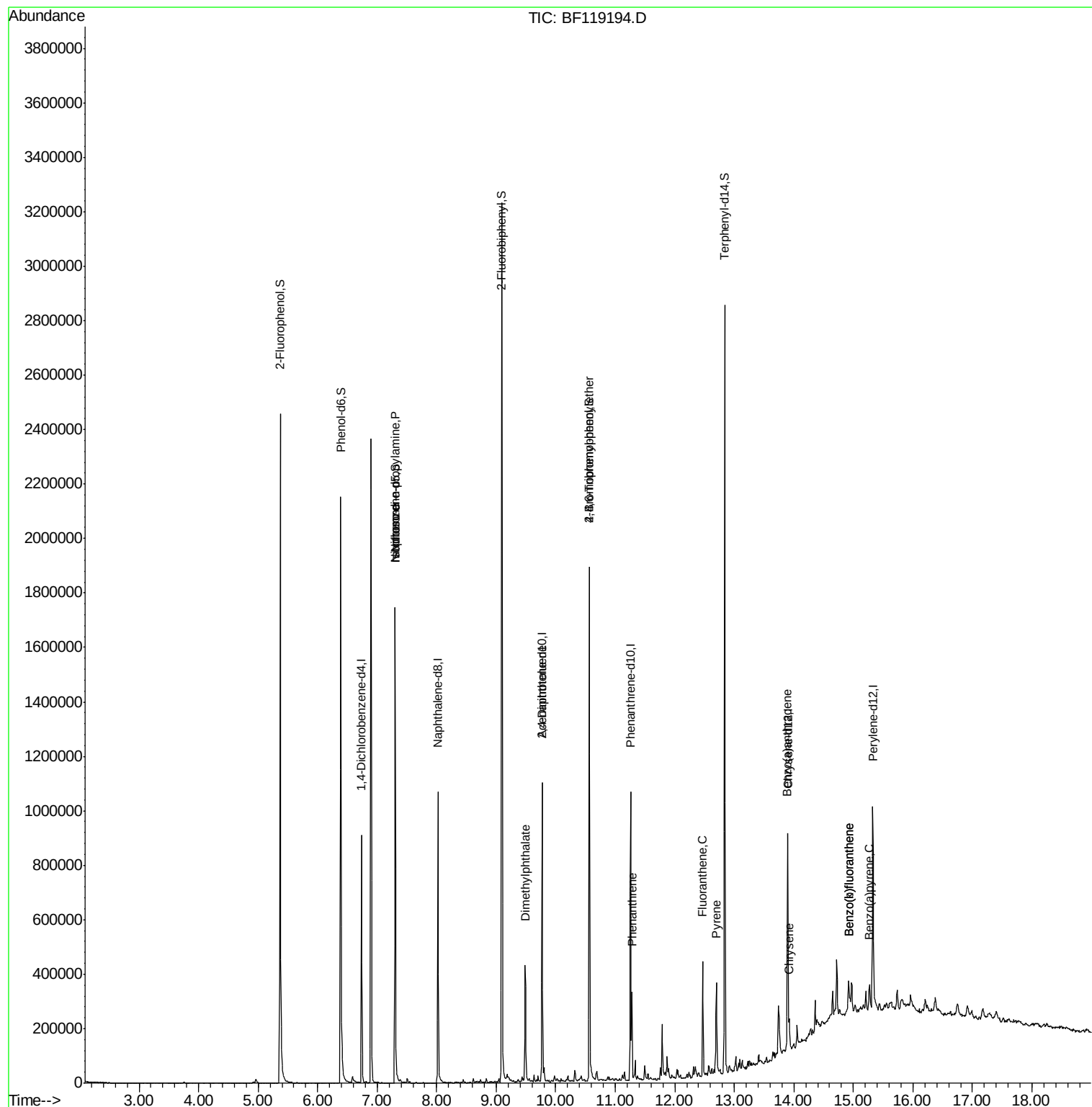
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.30	70	82130	13.984	ng	# 74
25) Isophorone	7.30	82	589968	35.504	ng	# 63
50) Dimethylphthalate	9.49	163	185905	9.708	ng	99
57) 2,4-Dinitrotoluene	9.77	165	32750	5.939	ng	# 21
67) 4-Bromophenyl-phenylether	10.56	248	17016	3.458	ng	# 1
71) Phenanthrene	11.28	178	110354	5.376	ng	98
75) Fluoranthene	12.47	202	157005	7.205	ng	99
78) Pyrene	12.70	202	134403	6.259	ng	97
81) Benzo(a)anthracene	13.89	228	57634	3.163	ng	98
83) Chrysene	13.92	228	45381	2.499	ng	96
88) Benzo(b)fluoranthene	14.92	252	76859	3.705	ng	# 93
89) Benzo(k)fluoranthene	14.92	252	76859	3.998	ng	# 93
90) Benzo(a)pyrene	15.27	252	42543	2.272	ng	# 93

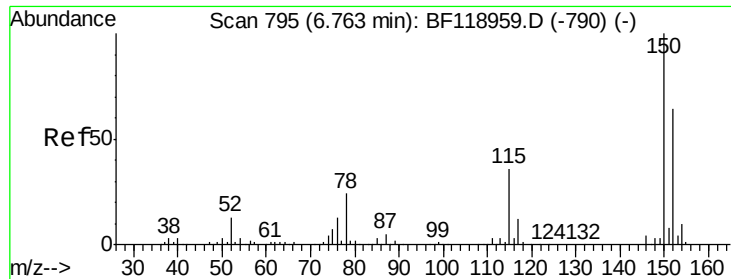
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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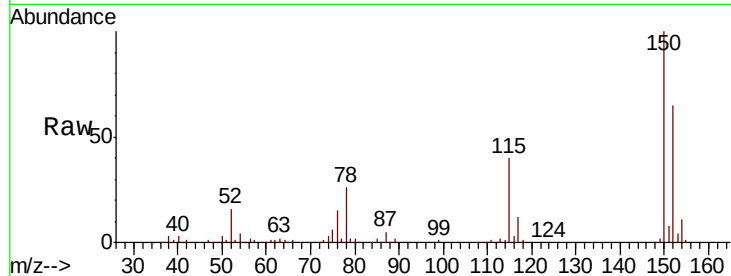


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 791
Delta R.T. -0.01 min
Lab File: BF119194.D
Acq: 4 Mar 2020 14:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.8	123.0	184.6
115	61.4	49.5	74.3

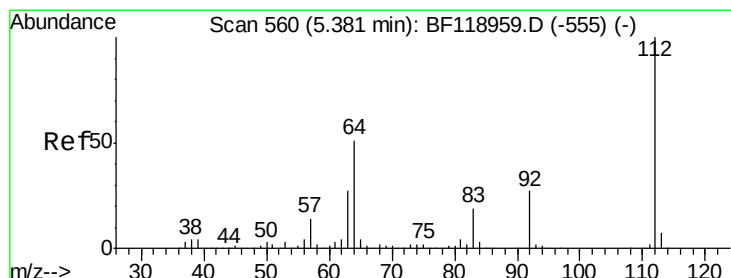
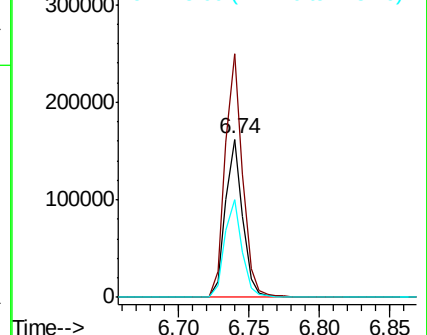
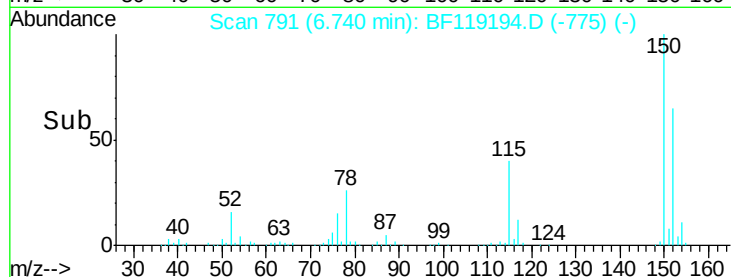


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

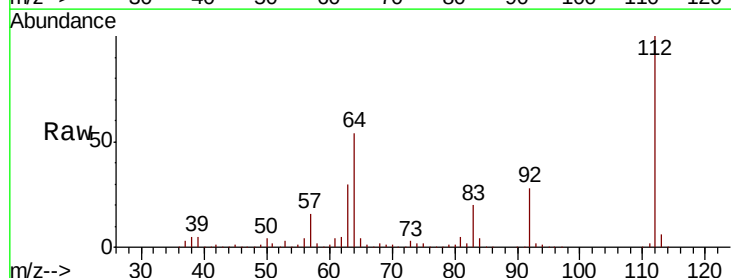
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 91.559 ng
RT: 5.37 min Scan# 558
Delta R.T. 0.00 min
Lab File: BF119194.D
Acq: 4 Mar 2020 14:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.5	45.0	67.4
63	29.8	24.2	36.4

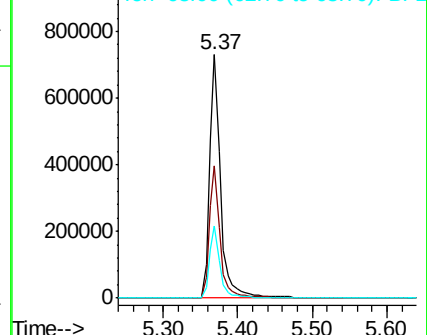
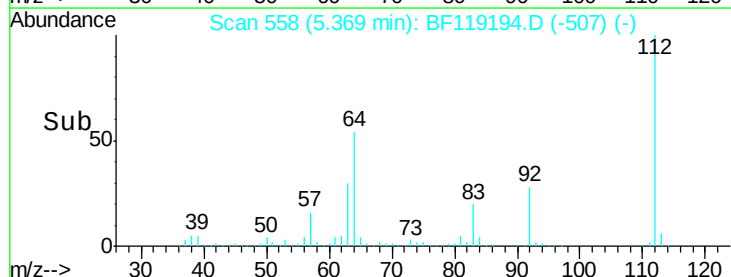


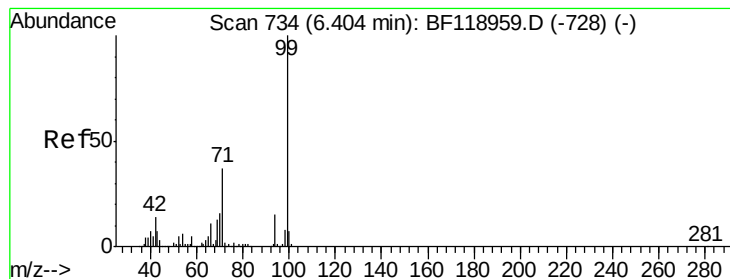
Abundance

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: 90.443 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.01 min

Lab File: BF119194.D

Acq: 4 Mar 2020 14:55

Instrument :

BNA_F

ClientSampleId :

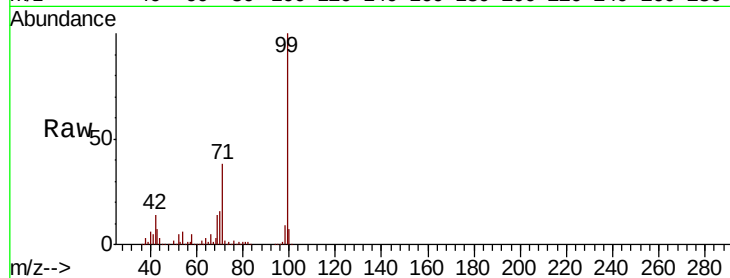
Tot Ion: 99 Resp: 911577

Ion Ratio Lower Upper

99 100

42 14.1 12.6 18.8

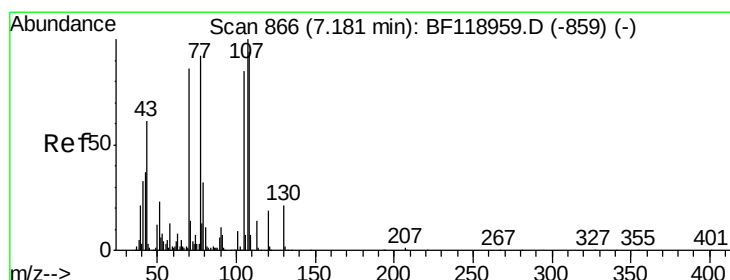
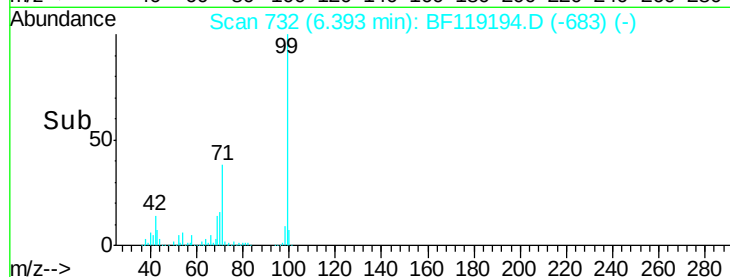
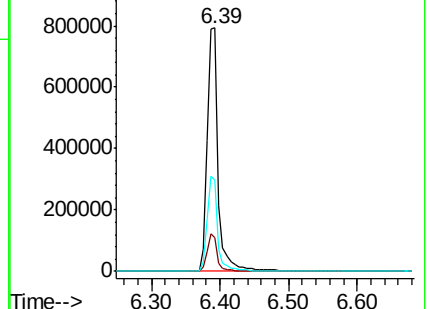
71 37.6 31.0 46.4



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: 13.984 ng

RT: 7.30 min Scan# 887

Delta R.T. 0.13 min

Lab File: BF119194.D

Acq: 4 Mar 2020 14:55

Tgt Ion: 70 Resp: 82130

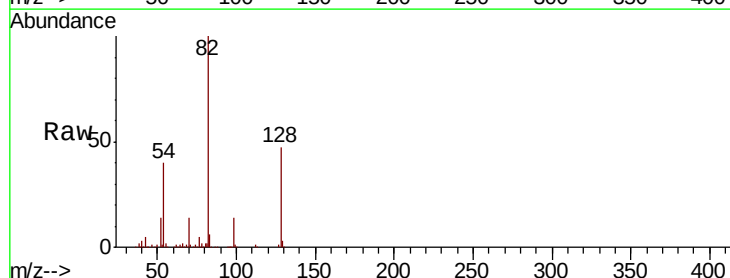
Ion Ratio Lower Upper

70 100

42 35.9 38.0 57.0#

101 0.0 8.2 12.4#

130 2.0 18.2 27.4#

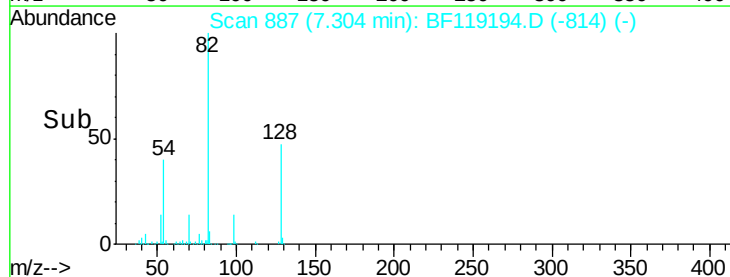
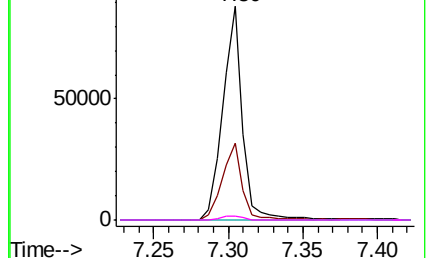


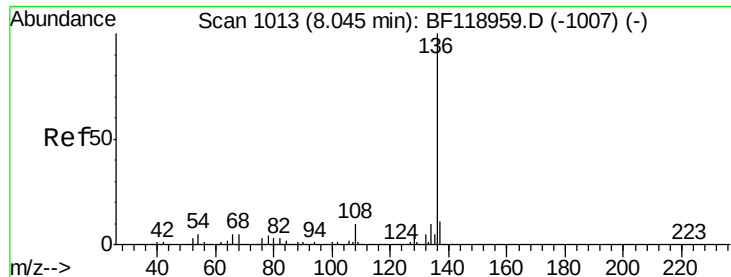
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

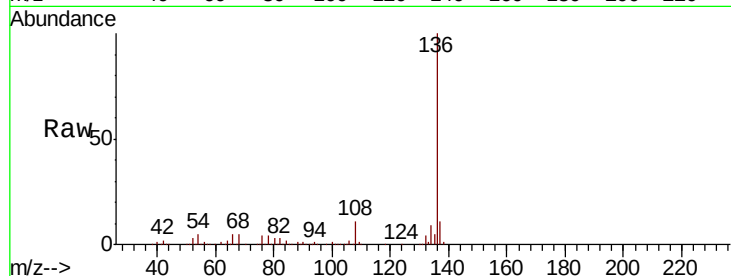




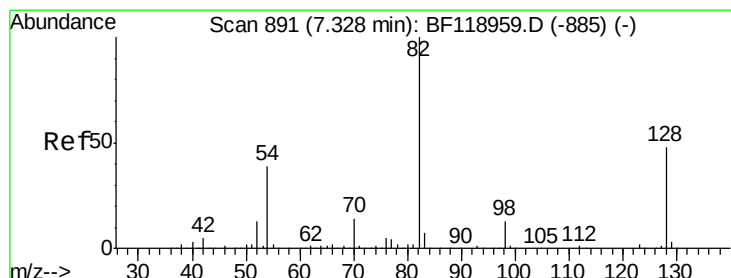
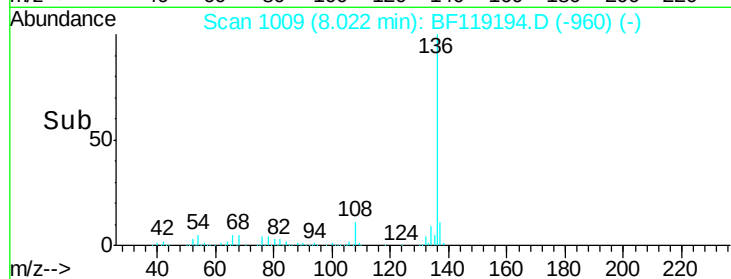
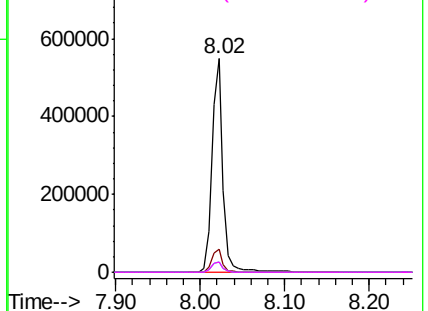
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BF119194.D
Acq: 4 Mar 2020 14:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	505202
Ion	Ratio	Lower Upper
136	100	
137	10.9	8.8 13.2
54	4.8	3.8 5.6
68	4.9	3.9 5.9

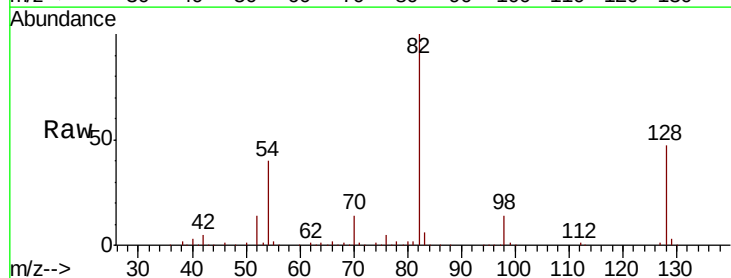


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

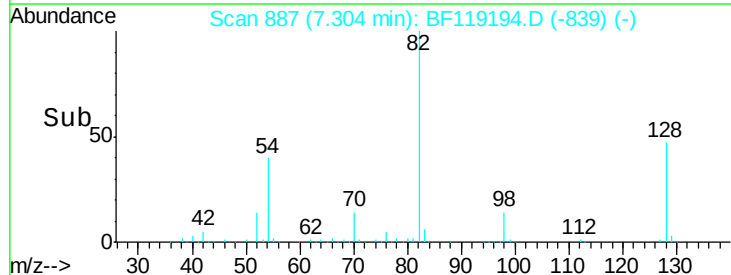
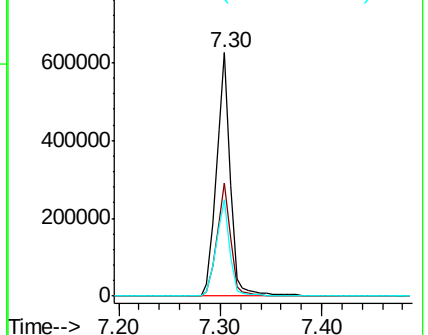


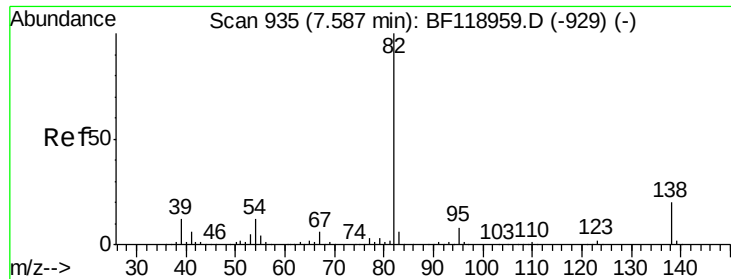
#23
Nitrobenzene-d5
Concen: 62.193 ng
RT: 7.30 min Scan# 887
Delta R.T. -0.02 min
Lab File: BF119194.D
Acq: 4 Mar 2020 14:55

Tgt Ion: 82	Resp:	595074
Ion	Ratio	Lower Upper
82	100	
128	46.6	37.9 56.9
54	39.6	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: 35.504 ng

RT: 7.30 min Scan# 887

Delta R.T. -0.28 min

Lab File: BF119194.D

Acq: 4 Mar 2020 14:55

Instrument :

BNA_F

ClientSampleId :

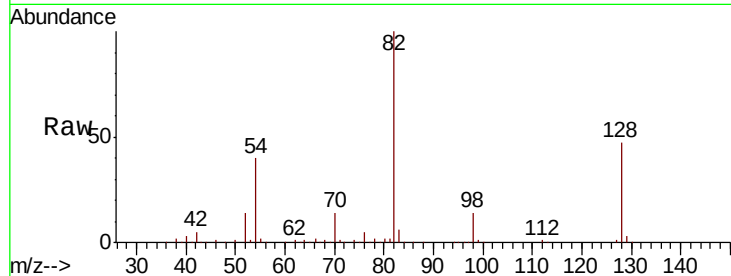
Tot Ion: 82 Resp: 589968

Ion Ratio Lower Upper

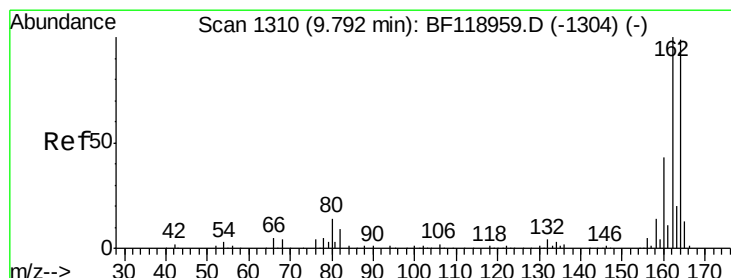
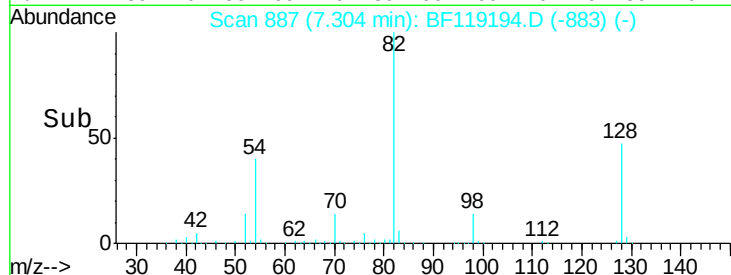
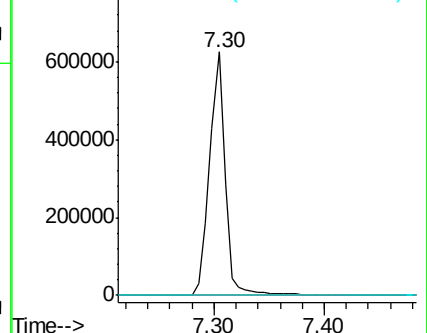
82 100

95 0.1 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: 9.77 min Scan# 1307

Delta R.T. -0.01 min

Lab File: BF119194.D

Acq: 4 Mar 2020 14:55

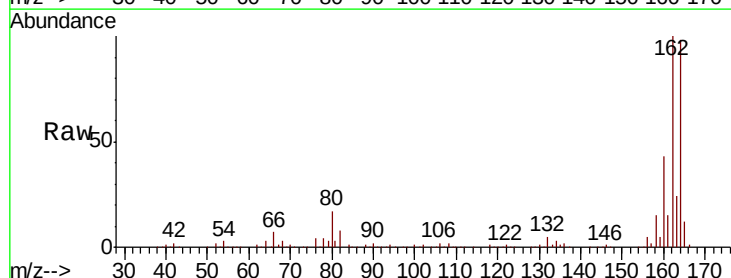
Tgt Ion: 164 Resp: 250427

Ion Ratio Lower Upper

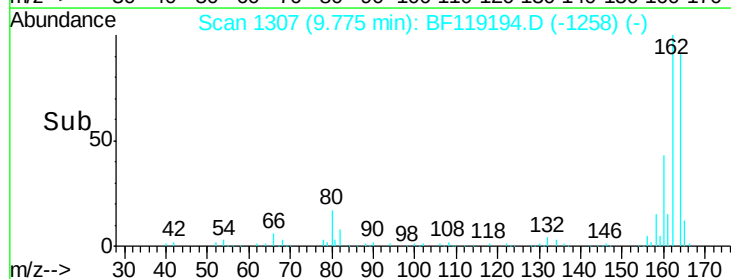
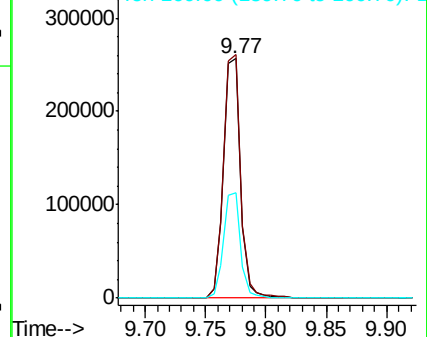
164 100

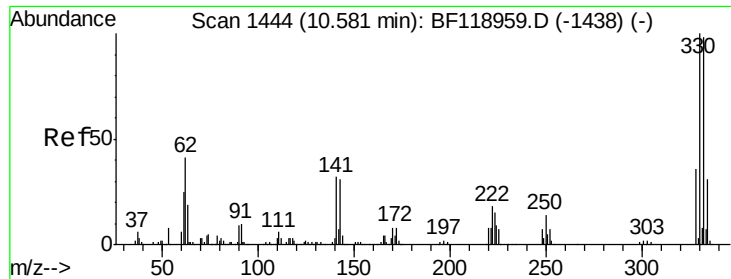
162 101.7 81.8 122.8

160 44.1 36.0 54.0



Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1





#42

2,4,6-Tribromophenol

Concen: 75.900 ng

RT: 10.56 min Scan# 1441

Delta R.T. -0.01 min

Lab File: BF119194.D

Acq: 4 Mar 2020 14:55

Instrument :

BNA_F

ClientSampleId :

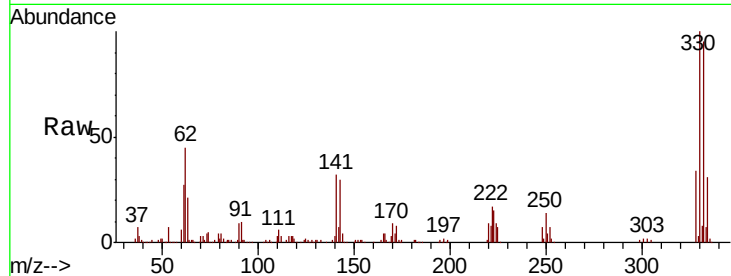
Tot Ion:330 Resp: 248649

Ion Ratio Lower Upper

330 100

332 96.9 76.0 114.0

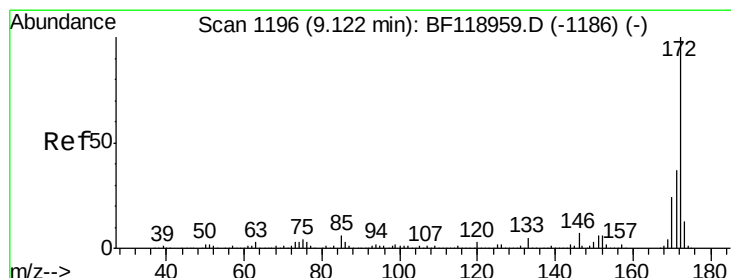
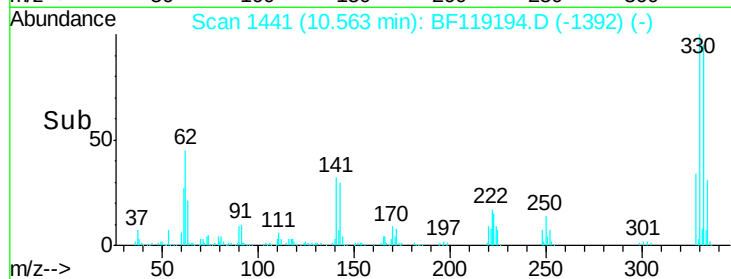
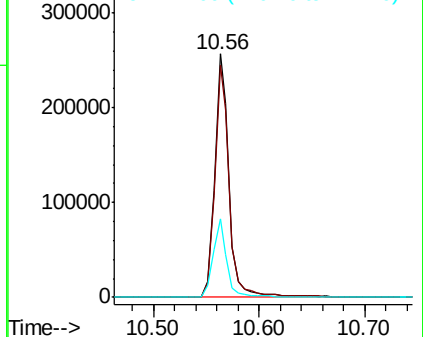
141 31.2 22.9 34.3



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: 66.598 ng

RT: 9.10 min Scan# 1192

Delta R.T. -0.01 min

Lab File: BF119194.D

Acq: 4 Mar 2020 14:55

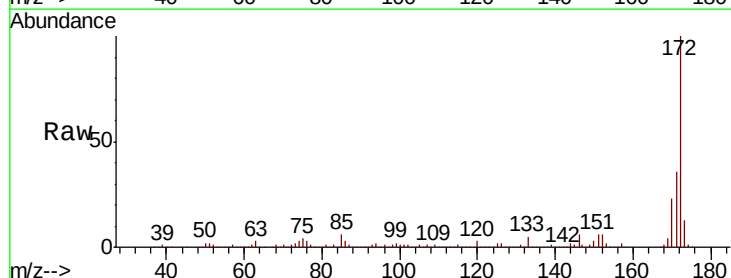
Tgt Ion:172 Resp: 1132102

Ion Ratio Lower Upper

172 100

171 35.9 30.6 45.8

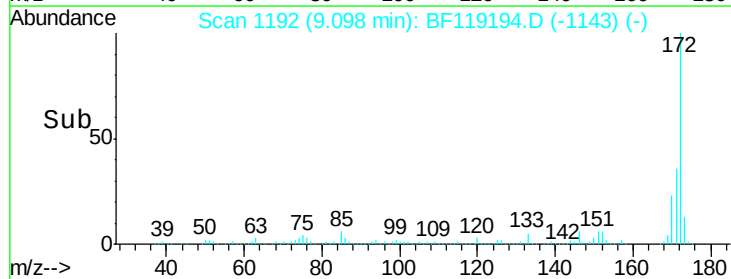
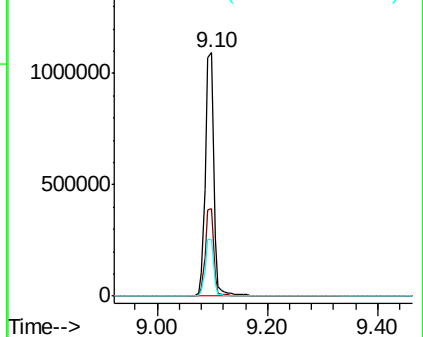
170 23.5 20.2 30.2

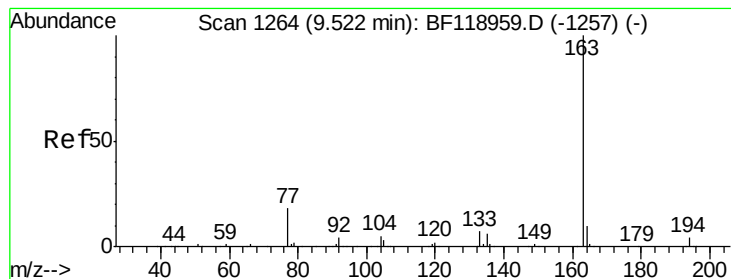


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 9.708 ng

RT: 9.49 min Scan# 1258

Delta R.T. -0.03 min

Lab File: BF119194.D

Acq: 4 Mar 2020 14:55

Instrument :

BNA_F

ClientSampled :

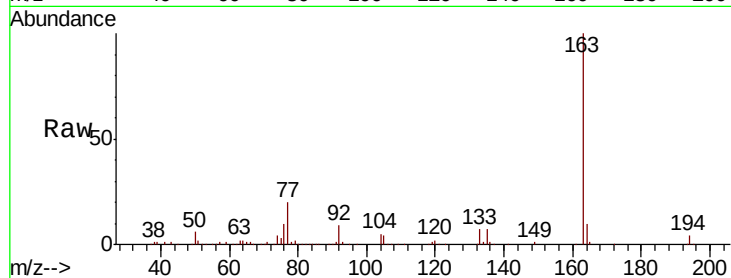
Tot Ion:163 Resp: 185905

Ion Ratio Lower Upper

163 100

194 4.1 3.5 5.3

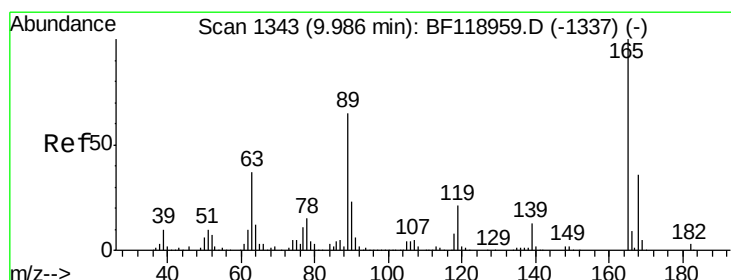
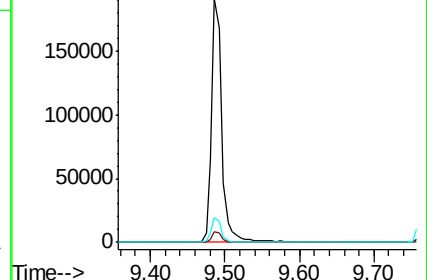
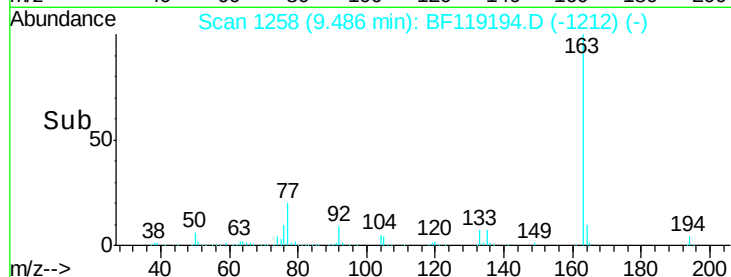
164 10.1 8.4 12.6



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



#57

2,4-Dinitrotoluene

Concen: 5.939 ng

RT: 9.77 min Scan# 1307

Delta R.T. -0.21 min

Lab File: BF119194.D

Acq: 4 Mar 2020 14:55

Tgt Ion:165 Resp: 32750

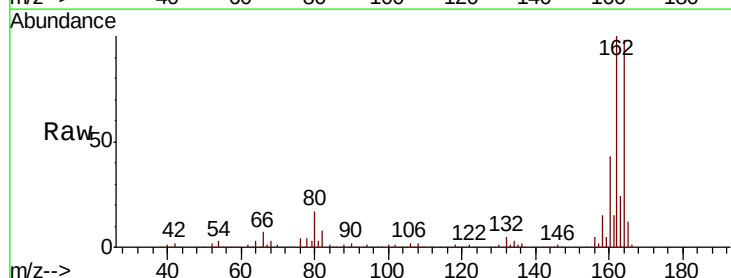
Ion Ratio Lower Upper

165 100

63 1.3 42.3 63.5#

89 1.7 60.2 90.4#

182 0.0 2.3 3.5#

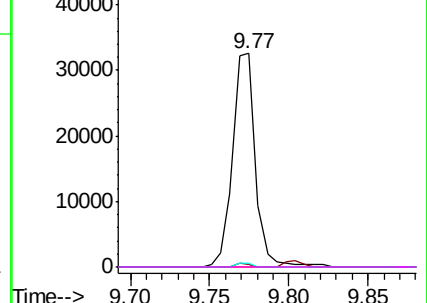
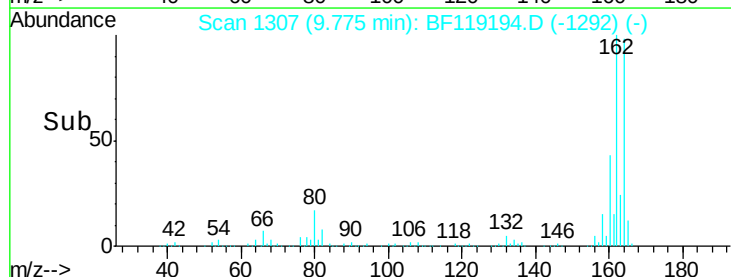


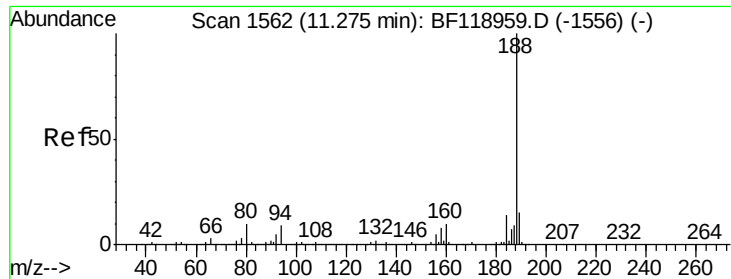
Abundance Ion 165.00 (164.70 to 165.70): E

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

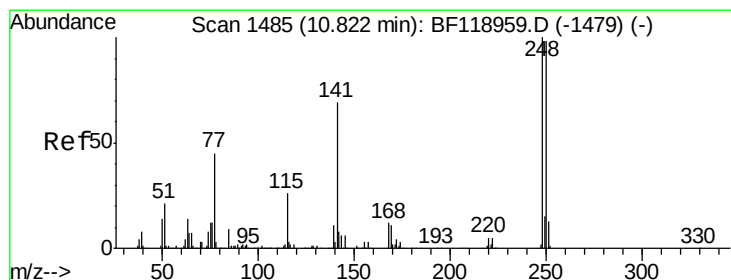
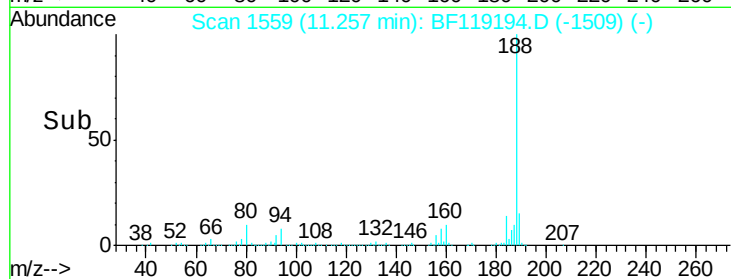
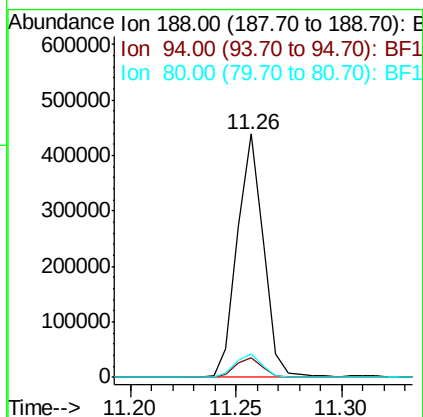
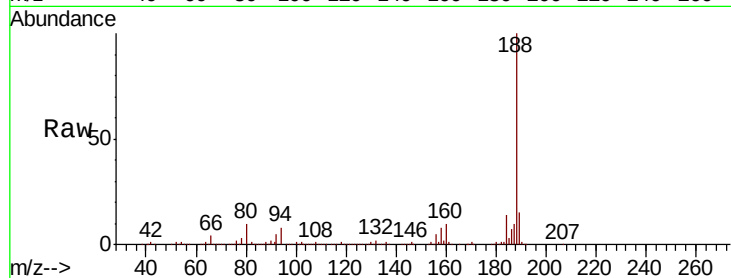




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.26 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF119194.D
Acq: 4 Mar 2020 14:55

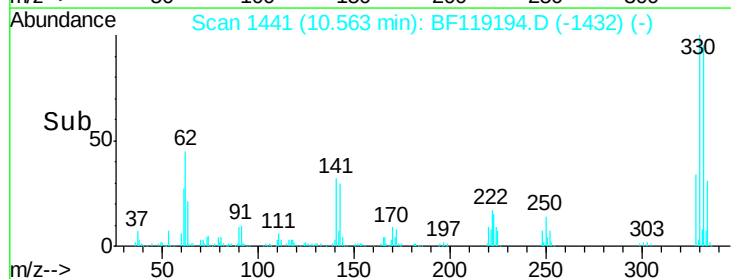
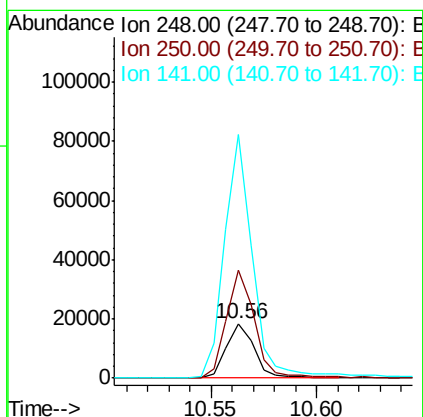
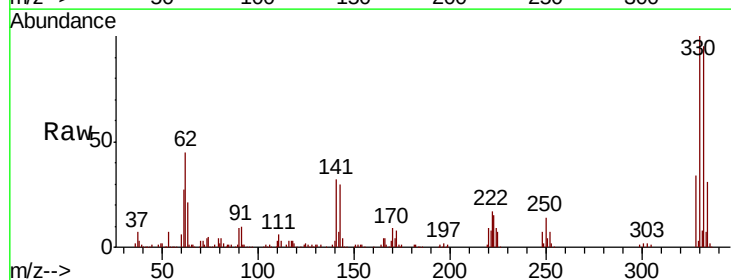
Instrument :
BNA_F
ClientSampled :

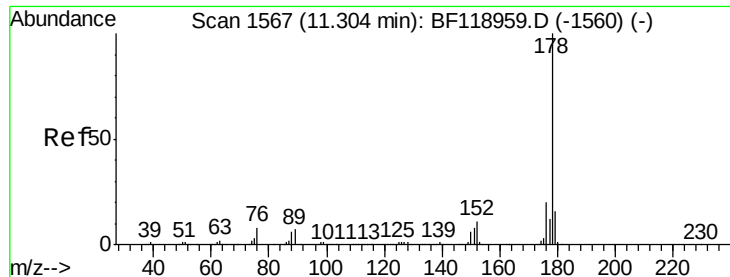
Tot Ion:188 Resp: 376417
Ion Ratio Lower Upper
188 100
94 8.3 7.1 10.7
80 9.7 7.8 11.8



#67
4-Bromophenyl-phenylether
Concen: 3.458 ng
RT: 10.56 min Scan# 1441
Delta R.T. -0.25 min
Lab File: BF119194.D
Acq: 4 Mar 2020 14:55

Tgt Ion:248 Resp: 17016
Ion Ratio Lower Upper
248 100
250 197.0 76.7 115.1#
141 446.4 60.7 91.1#





#71

Phenanthrene

Concen: 5.376 ng

RT: 11.28 min Scan# 1563

Delta R.T. -0.01 min

Lab File: BF119194.D

Acq: 4 Mar 2020 14:55

Instrument :

BNA_F

ClientSampleId :

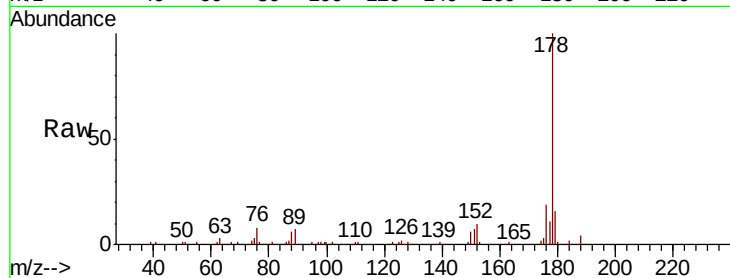
Tot Ion:178 Resp: 110354

Ion Ratio Lower Upper

178 100

176 18.9 16.5 24.7

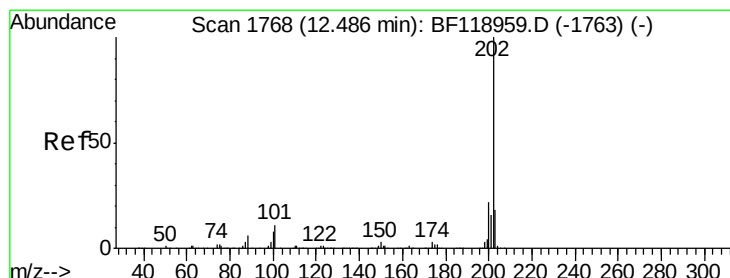
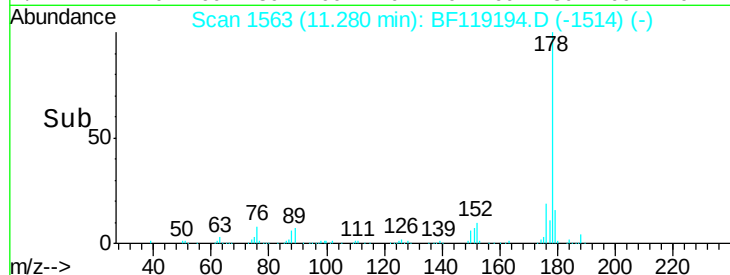
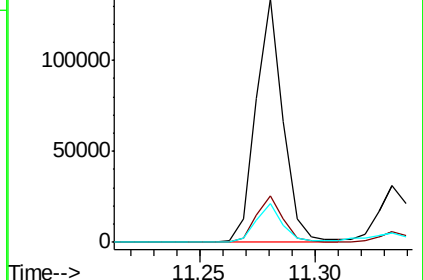
179 15.8 13.0 19.6



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: 7.205 ng

RT: 12.47 min Scan# 1765

Delta R.T. -0.01 min

Lab File: BF119194.D

Acq: 4 Mar 2020 14:55

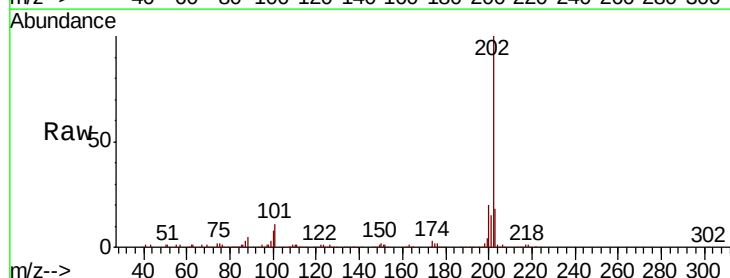
Tgt Ion:202 Resp: 157005

Ion Ratio Lower Upper

202 100

101 10.9 0.0 30.3

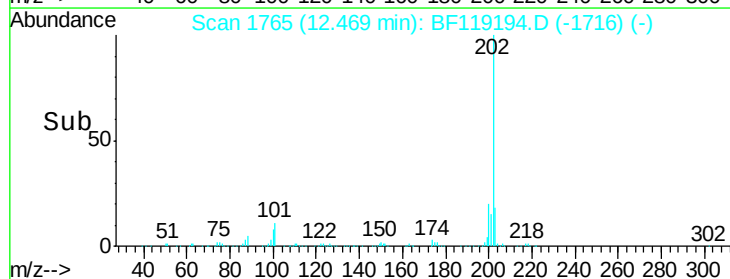
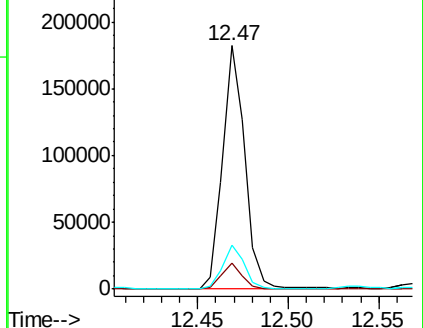
203 18.2 0.0 38.4

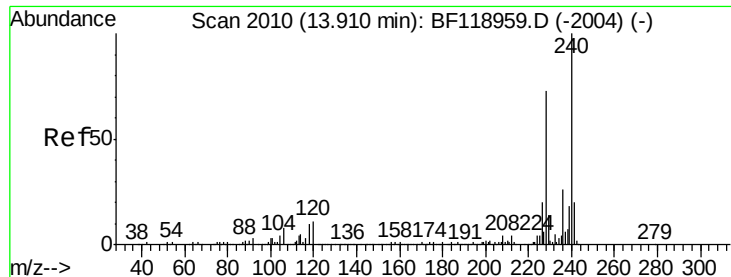


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

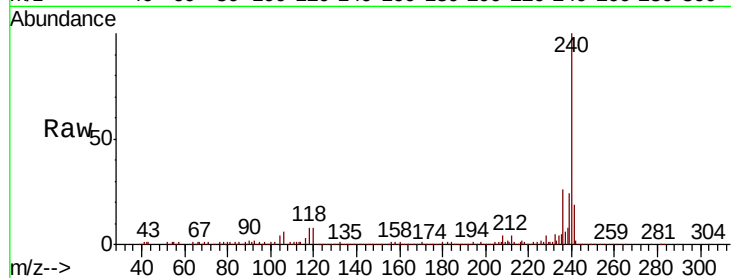




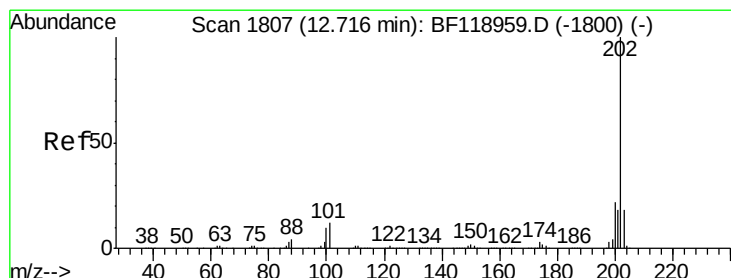
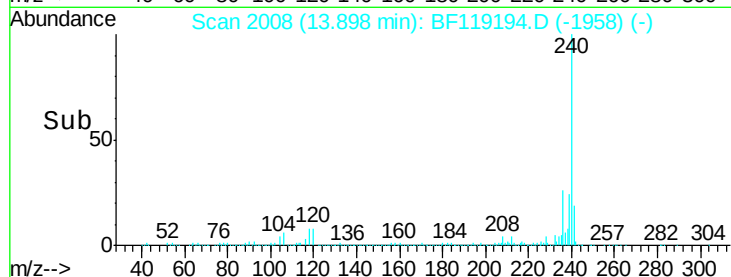
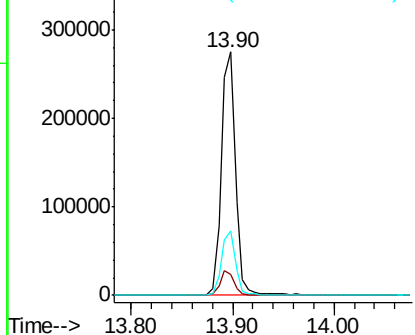
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.90 min Scan# 2008
 Delta R.T. -0.01 min
 Lab File: BF119194.D
 Acq: 4 Mar 2020 14:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:240 Resp: 267434
 Ion Ratio Lower Upper
 240 100
 120 8.5 8.4 12.6
 236 26.3 21.0 31.4

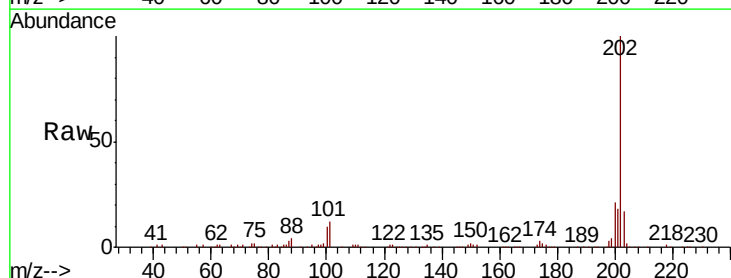


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

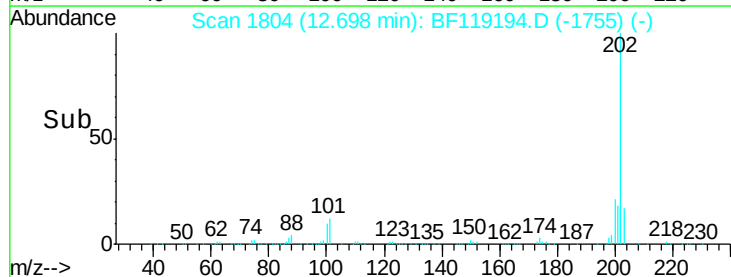
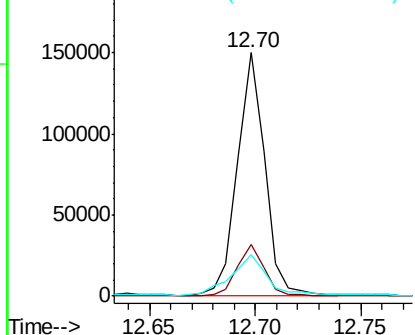


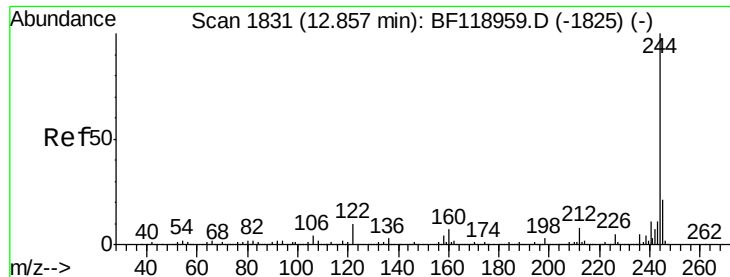
#78
 Pyrene
 Concen: 6.259 ng
 RT: 12.70 min Scan# 1804
 Delta R.T. -0.01 min
 Lab File: BF119194.D
 Acq: 4 Mar 2020 14:55

Tgt Ion:202 Resp: 134403
 Ion Ratio Lower Upper
 202 100
 200 21.3 18.0 27.0
 203 17.2 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: 64.440 ng

RT: 12.84 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BF119194.D

Acq: 4 Mar 2020 14:55

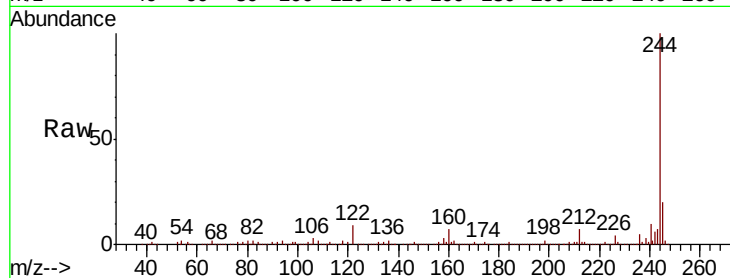
Instrument :

BNA_F

ClientSampled :

Tot Ion:244 Resp: 1000964

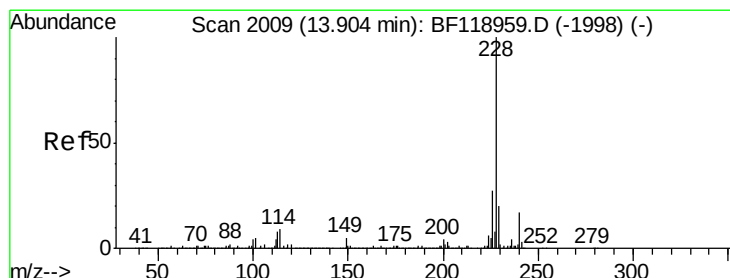
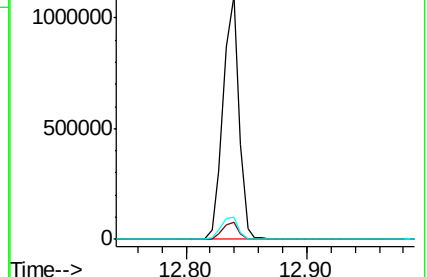
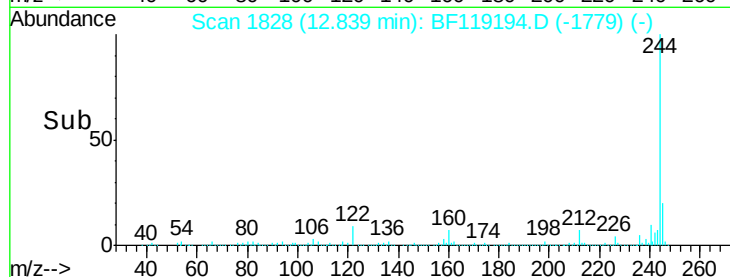
Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.6	10.0
122	9.3	8.2	12.2



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: 3.163 ng

RT: 13.89 min Scan# 2006

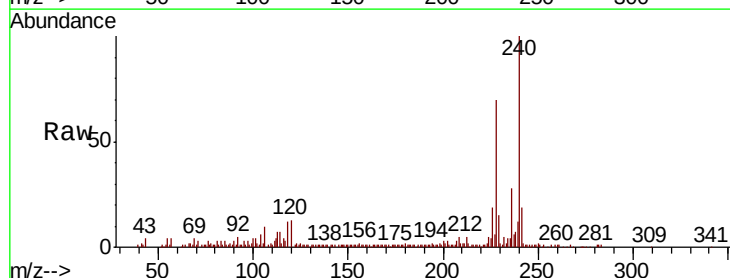
Delta R.T. -0.01 min

Lab File: BF119194.D

Acq: 4 Mar 2020 14:55

Tgt Ion:228 Resp: 57634

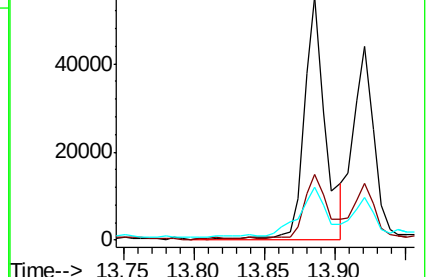
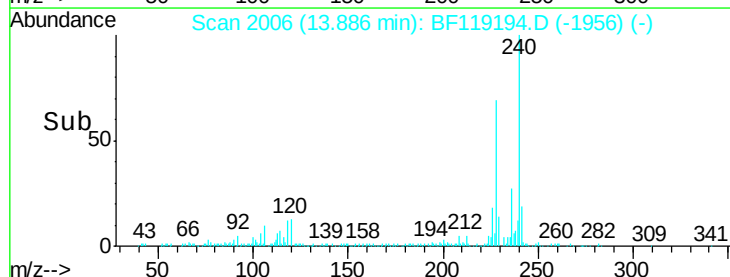
Ion	Ratio	Lower	Upper
228	100		
226	27.1	22.6	33.8
229	21.9	16.6	24.8

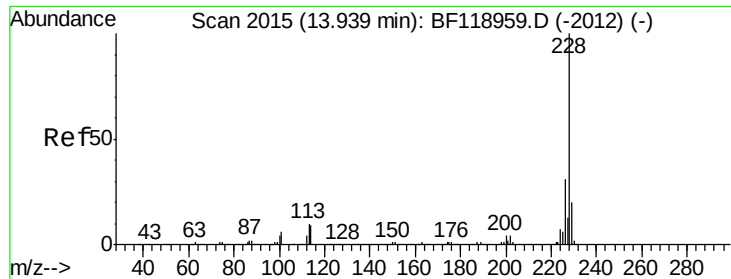


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

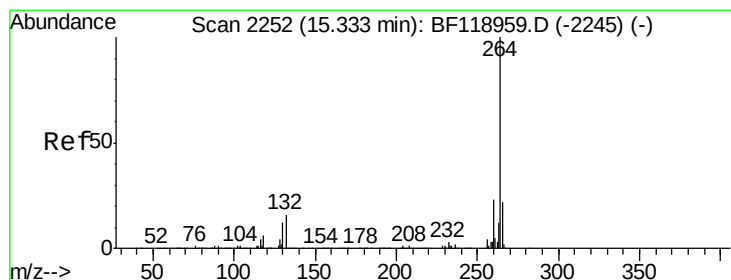
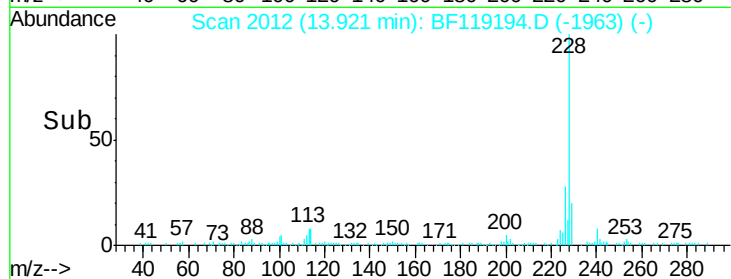
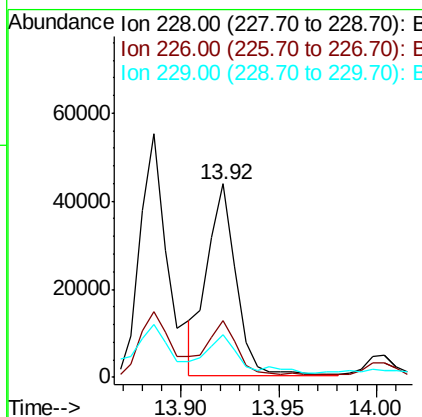
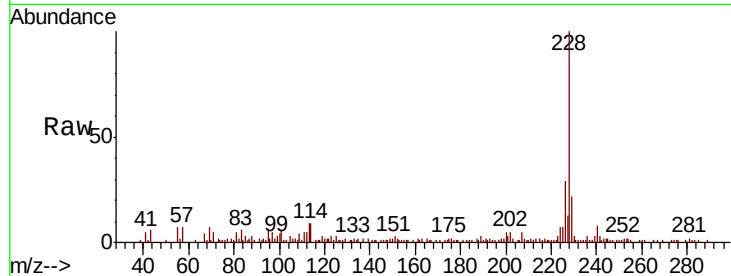




#83
Chrysene
Concen: 2.499 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF119194.D
Acq: 4 Mar 2020 14:55

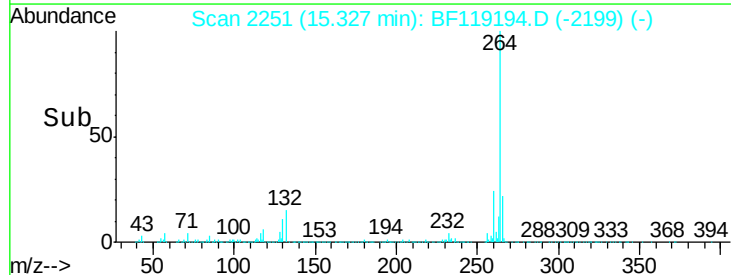
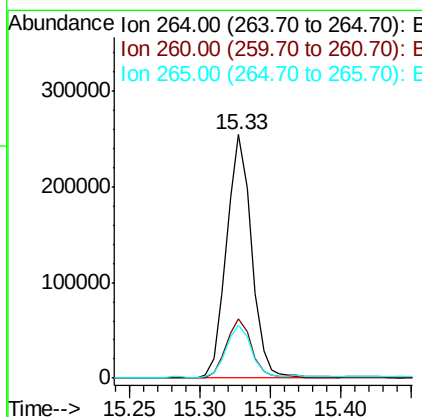
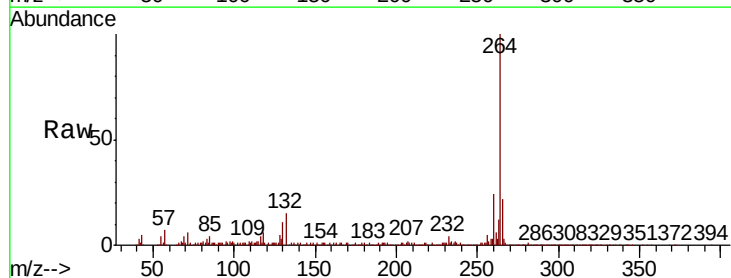
Instrument :
BNA_F
ClientSampleId :

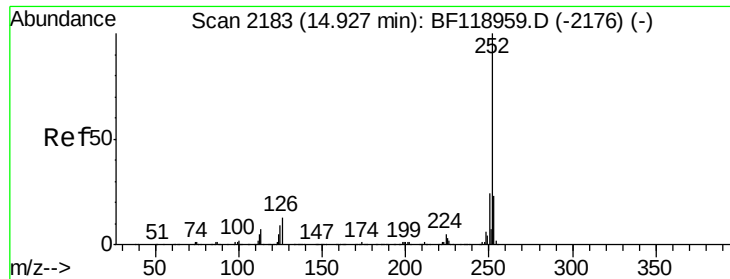
Tot Ion:228 Resp: 45381
Ion Ratio Lower Upper
228 100
226 29.1 25.1 37.7
229 22.3 16.3 24.5



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2251
Delta R.T. 0.01 min
Lab File: BF119194.D
Acq: 4 Mar 2020 14:55

Tgt Ion:264 Resp: 314711
Ion Ratio Lower Upper
264 100
260 24.1 19.4 29.2
265 21.8 17.7 26.5

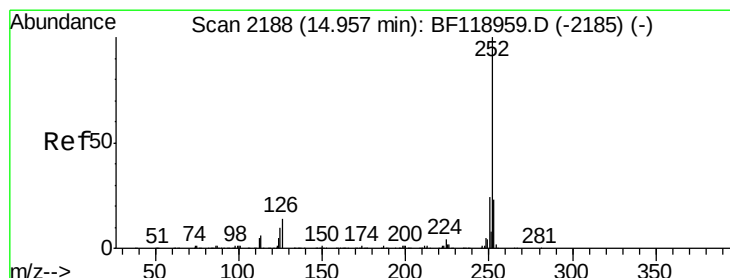
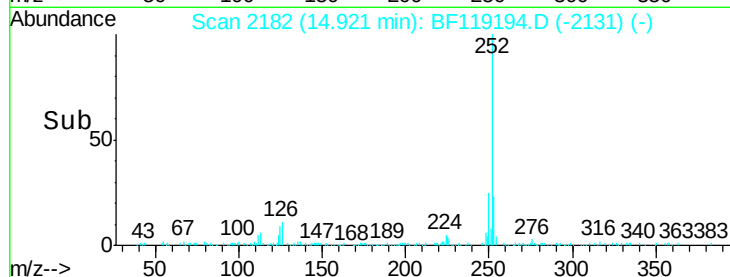
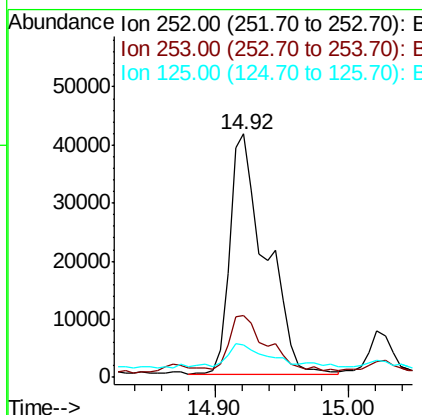
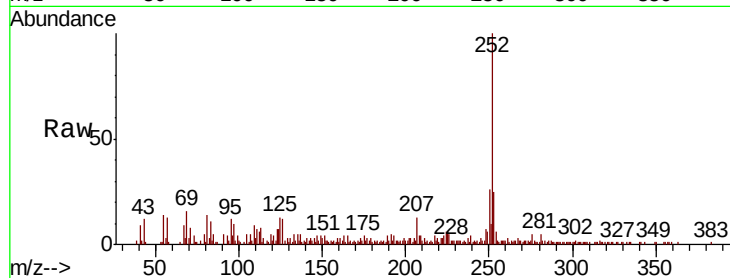




#88
Benzo(b)fluoranthene
Concen: 3.705 ng
RT: 14.92 min Scan# 2182
Delta R.T. 0.00 min
Lab File: BF119194.D
Acq: 4 Mar 2020 14:55

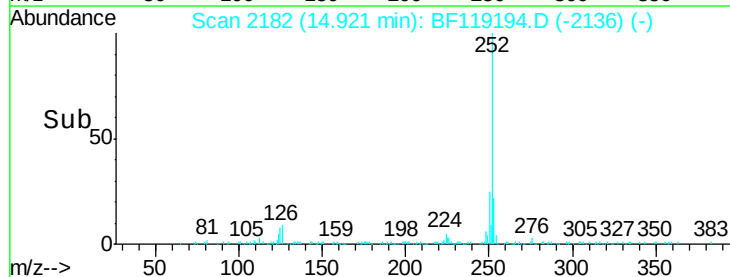
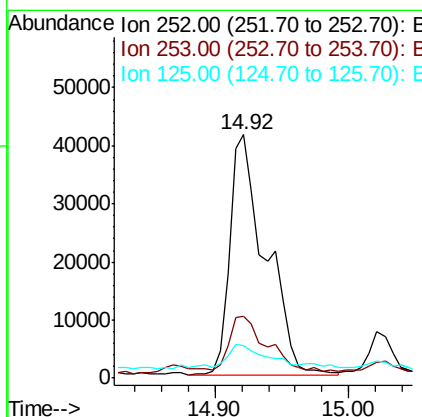
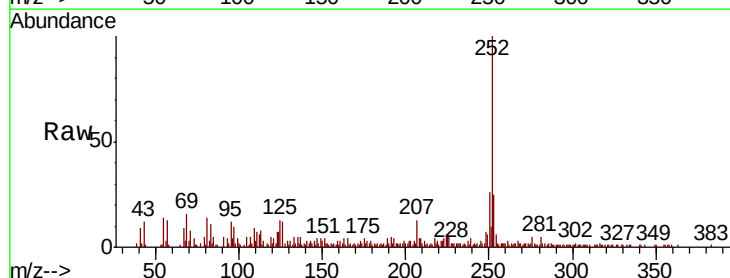
Instrument :
BNA_F
ClientSampleId :

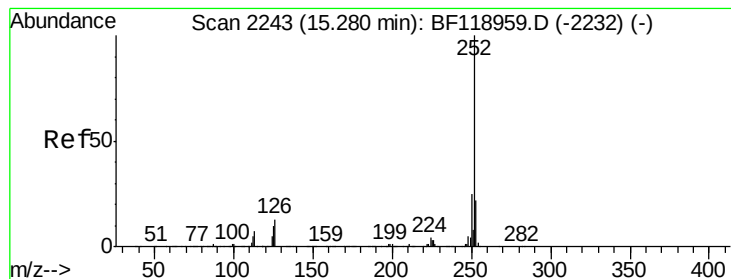
Tot Ion:252 Resp: 76859
Ion Ratio Lower Upper
252 100
253 25.3 18.1 27.1
125 13.2 7.4 11.0#



#89
Benzo(k)fluoranthene
Concen: 3.998 ng
RT: 14.92 min Scan# 2182
Delta R.T. -0.03 min
Lab File: BF119194.D
Acq: 4 Mar 2020 14:55

Tgt Ion:252 Resp: 76859
Ion Ratio Lower Upper
252 100
253 25.3 17.8 26.8
125 13.2 7.5 11.3#





#90
 Benzo(a)pyrene
 Concen: 2.272 ng
 RT: 15.27 min Scan# 2241
 Delta R.T. 0.00 min
 Lab File: BF119194.D
 Acq: 4 Mar 2020 14:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.9	18.0	27.0
125	15.1	8.6	12.8

