

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022020\
 Data File : BF118988.D
 Acq On : 21 Feb 2020 5:16
 Operator : CG/JU
 Sample : L1547-02
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 21 05:47:48 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 20 17:40:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	151144	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	513044	20.00	ng	0.00
39) Acenaphthene-d10	9.79	164	234346	20.00	ng	0.00
64) Phenanthrene-d10	11.27	188	394926	20.00	ng	0.00
76) Chrysene-d12	13.92	240	364661	20.00	ng	0.00
87) Perylene-d12	15.34	264	290206	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.39	112	822790	90.97	ng	0.00
7) Phenol-d6	6.40	99	1025590	93.24	ng	0.00
23) Nitrobenzene-d5	7.32	82	644056	66.28	ng	0.00
42) 2,4,6-Tribromophenol	10.58	330	209195	68.24	ng	0.00
45) 2-Fluorobiphenyl	9.12	172	1175801	73.91	ng	0.00
79) Terphenyl-d14	12.86	244	1257458	59.37	ng	0.00

Target Compounds

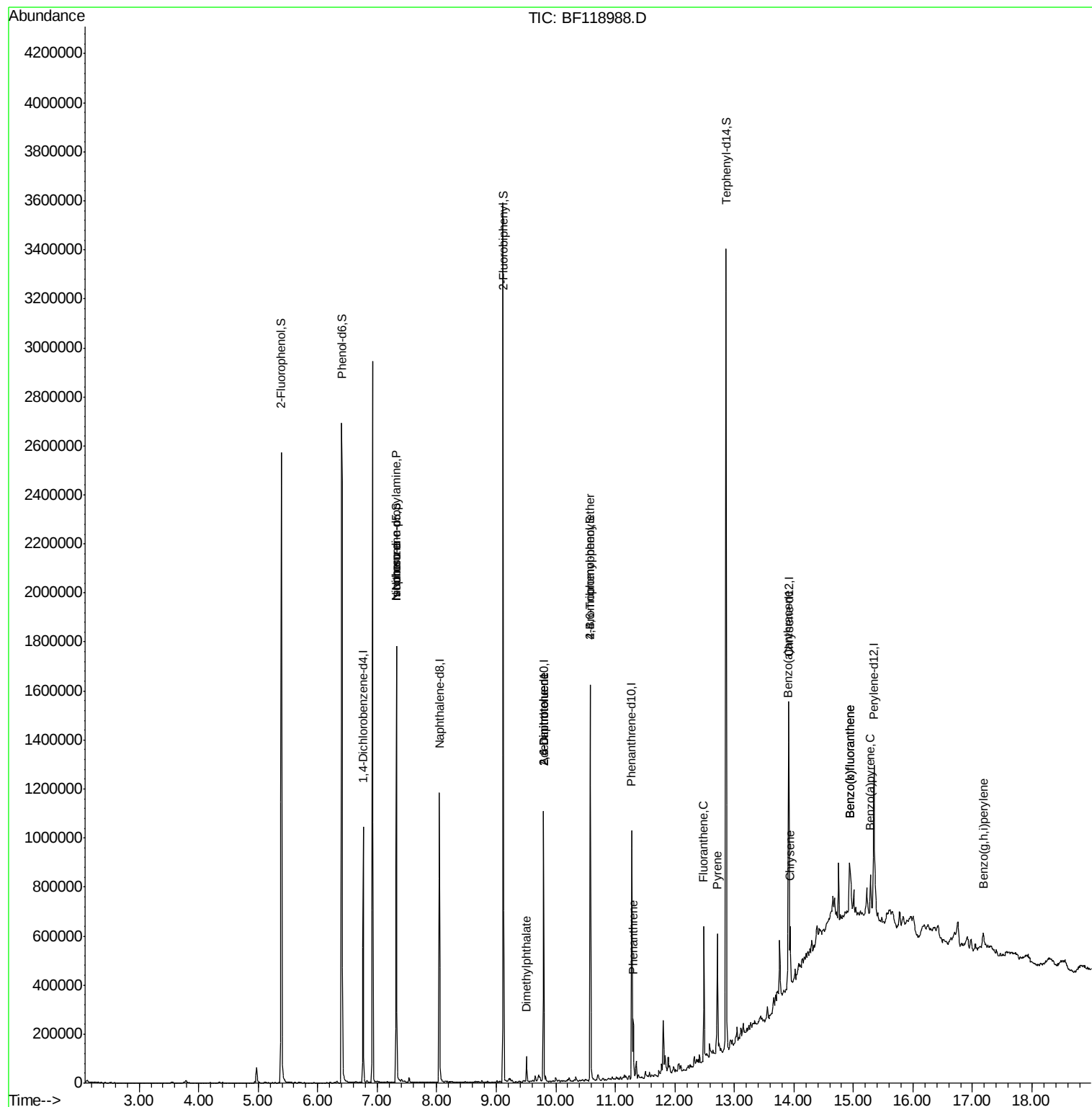
						Qvalue
19) n-Nitroso-di-n-propylamine	7.32	70	87614	13.670	ng	# 76
25) Isophorone	7.32	82	644052	38.166	ng	# 63
50) Dimethylphthalate	9.51	163	36188	2.019	ng	99
51) 2,6-Dinitrotoluene	9.79	165	30307	7.612	ng	# 30
57) 2,4-Dinitrotoluene	9.79	165	30307	5.873	ng	# 29
67) 4-Bromophenyl-phenylether	10.58	248	13118	2.541	ng	# 1
71) Phenanthrene	11.30	178	90722	4.212	ng	98
75) Fluoranthene	12.49	202	214256	9.372	ng	99
78) Pyrene	12.72	202	196981	6.727	ng	99
81) Benzo(a)anthracene	13.90	228	112216	4.516	ng	97
83) Chrysene	13.94	228	93228	3.766	ng	97
88) Benzo(b)fluoranthene	14.93	252	145841	7.624	ng	# 93
89) Benzo(k)fluoranthene	14.93	252	145841	8.227	ng	# 92
90) Benzo(a)pyrene	15.29	252	73783	4.274	ng	# 91
92) Benzo(a,h,i)perylene	17.18	276	42443	2.828	ng	91

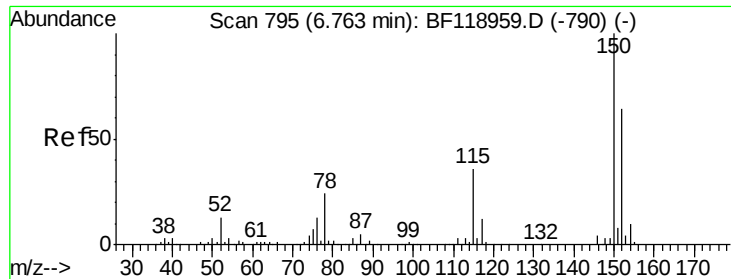
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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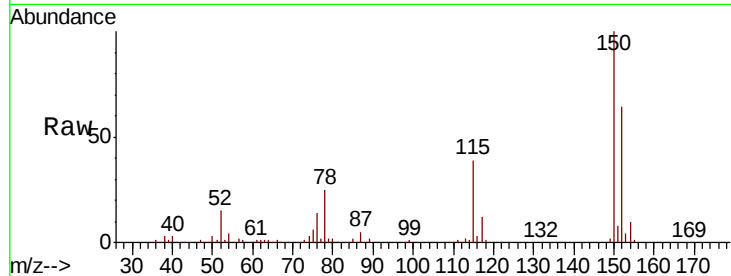


#1

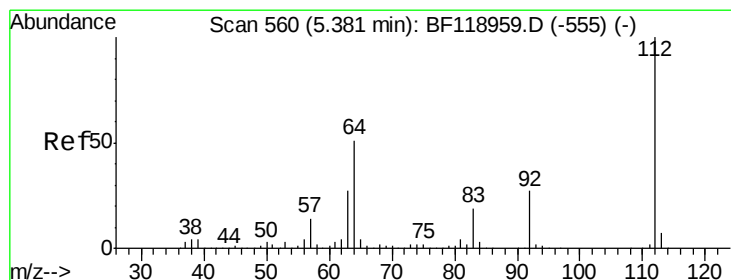
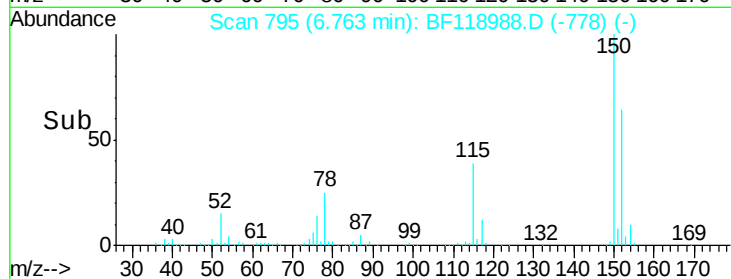
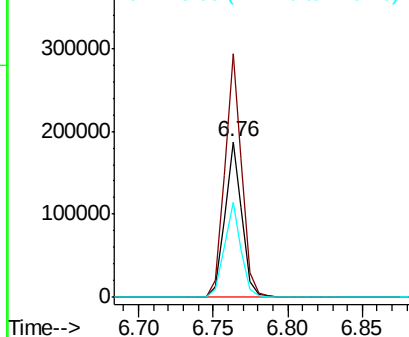
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 795
Delta R.T. -0.00 min
Lab File: BF118988.D
Acq: 21 Feb 2020 5:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.4	124.3	186.5
115	61.4	44.6	67.0



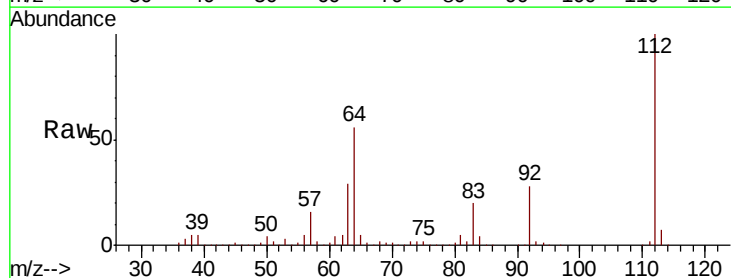
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



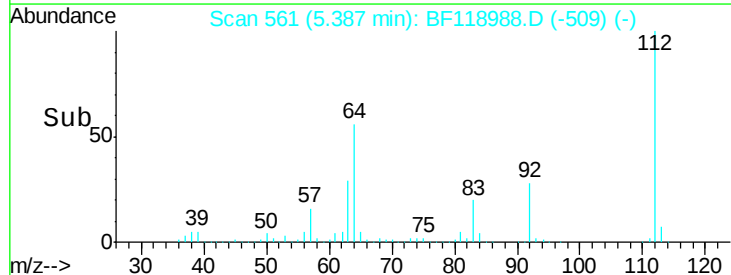
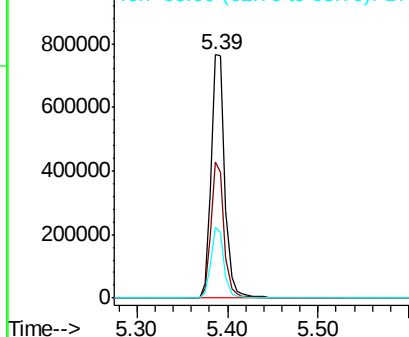
#5

2-Fluorophenol
Concen: 90.975 ng
RT: 5.39 min Scan# 561
Delta R.T. 0.01 min
Lab File: BF118988.D
Acq: 21 Feb 2020 5:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.1	40.4	60.6
63	28.9	21.3	31.9



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: 93.241 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.00 min

Lab File: BF118988.D

Acq: 21 Feb 2020 5:16

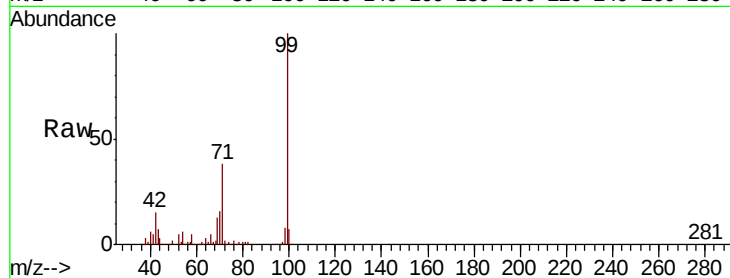
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 1025590

Ion	Ratio	Lower	Upper
99	100		
42	15.0	11.4	17.0
71	38.0	29.8	44.6

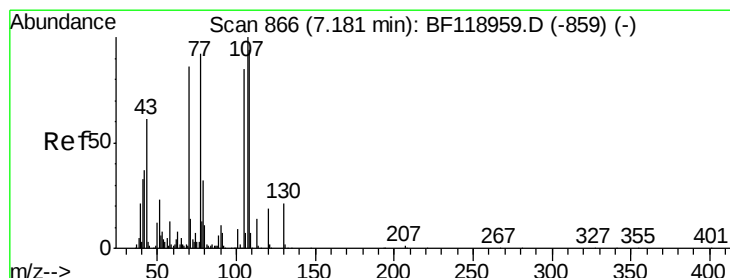
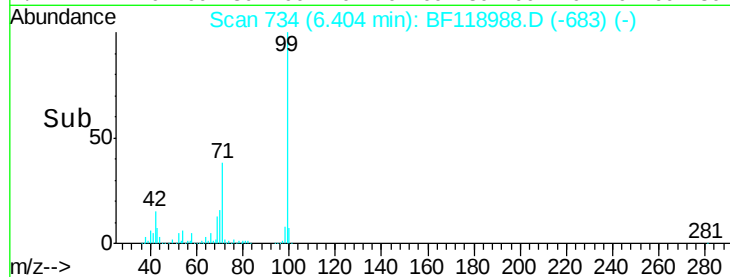


Abundance

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: 13.670 ng

RT: 7.32 min Scan# 890

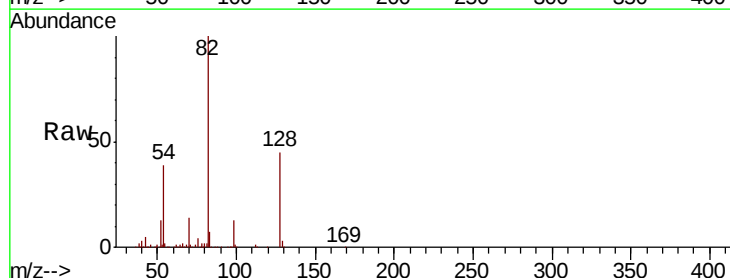
Delta R.T. 0.14 min

Lab File: BF118988.D

Acq: 21 Feb 2020 5:16

Tgt Ion: 70 Resp: 87614

Ion	Ratio	Lower	Upper
70	100		
42	36.2	34.6	51.8
101	0.0	8.1	12.1#
130	2.2	19.4	29.2#



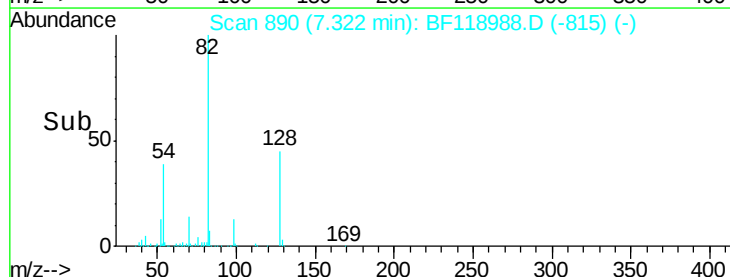
Abundance

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

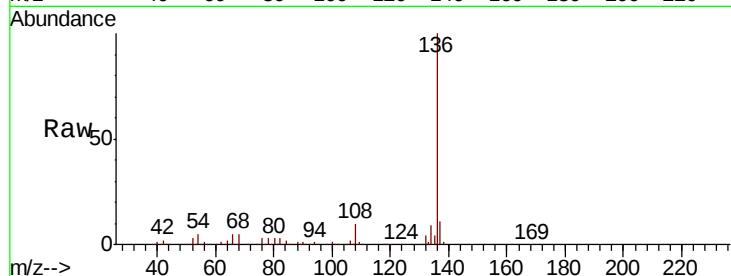




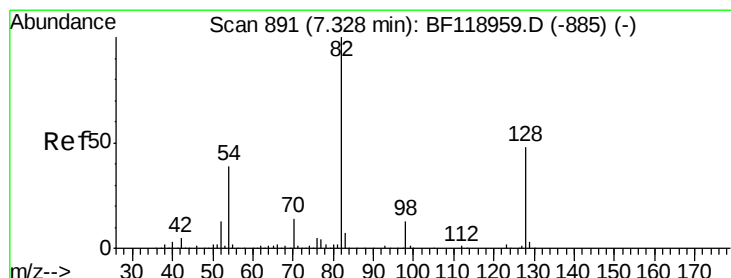
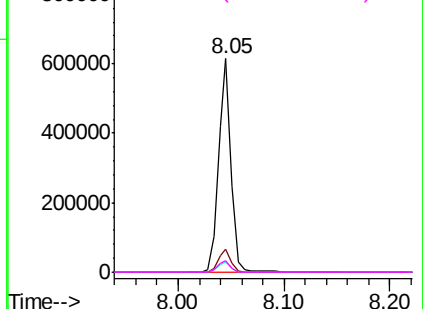
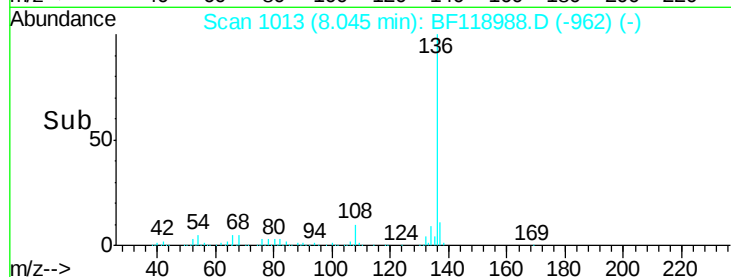
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.05 min Scan# 1013
Delta R.T. -0.00 min
Lab File: BF118988.D
Acq: 21 Feb 2020 5:16

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp:	513044
Ion	Ratio	Lower Upper
136	100	
137	10.9	8.9 13.3
54	4.9	3.8 5.6
68	5.4	4.2 6.2

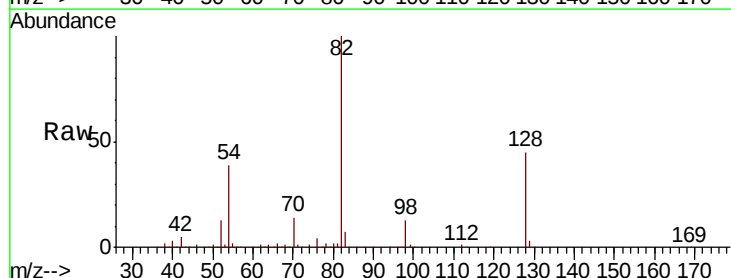


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

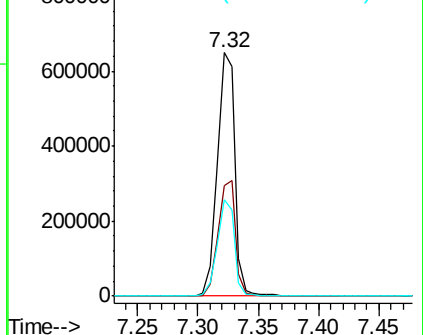
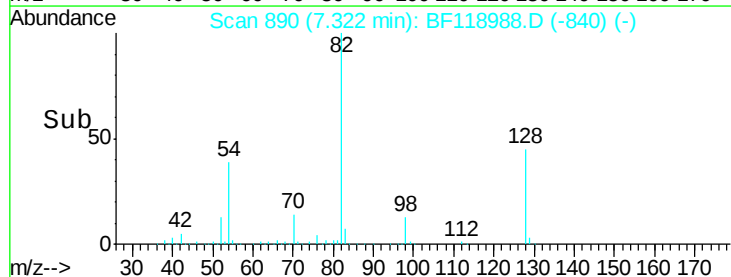


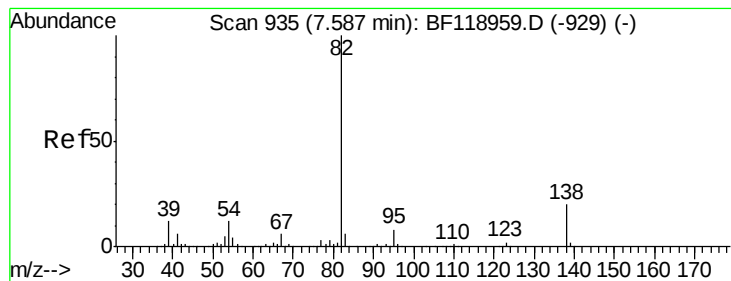
#23
Nitrobenzene-d5
Concen: 66.283 ng
RT: 7.32 min Scan# 890
Delta R.T. -0.01 min
Lab File: BF118988.D
Acq: 21 Feb 2020 5:16

Tgt Ion: 82	Resp:	644056
Ion	Ratio	Lower Upper
82	100	
128	45.3	38.2 57.2
54	39.4	31.3 46.9



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: 38.166 ng

RT: 7.32 min Scan# 890

Delta R.T. -0.26 min

Lab File: BF118988.D

Acq: 21 Feb 2020 5:16

Instrument :

BNA_F

ClientSampleId :

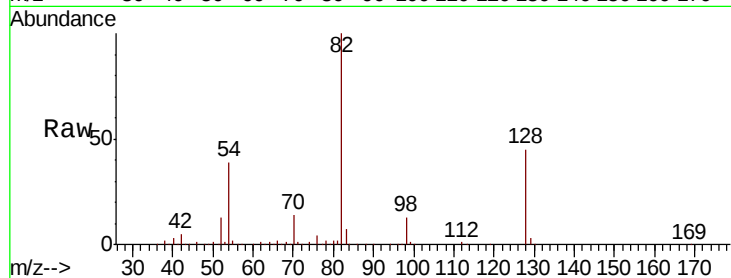
Tot Ion: 82 Resp: 644052

Ion Ratio Lower Upper

82 100

95 0.0 6.1 9.1#

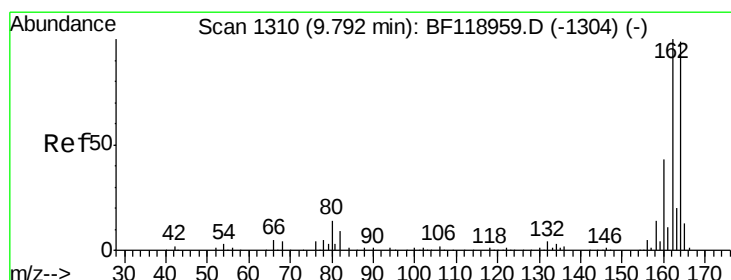
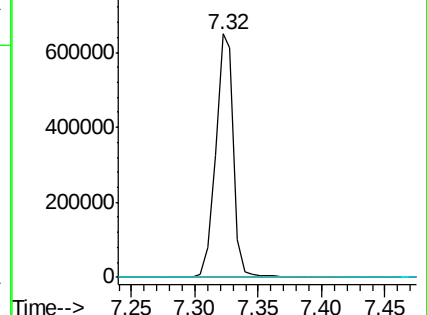
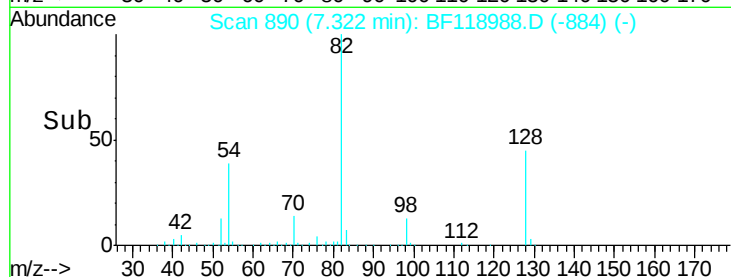
138 0.0 15.8 23.6#



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: 9.79 min Scan# 1310

Delta R.T. -0.00 min

Lab File: BF118988.D

Acq: 21 Feb 2020 5:16

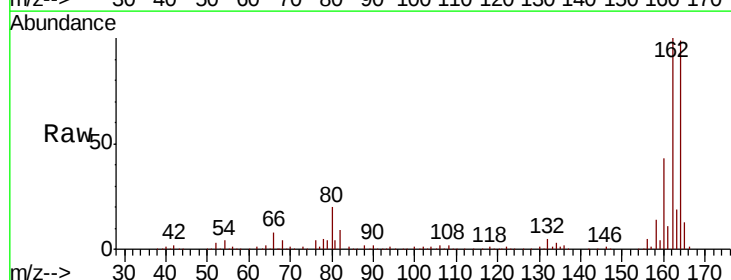
Tgt Ion: 164 Resp: 234346

Ion Ratio Lower Upper

164 100

162 101.0 81.2 121.8

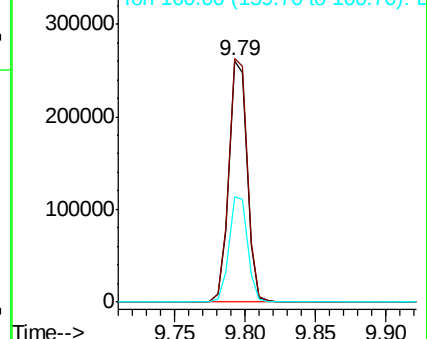
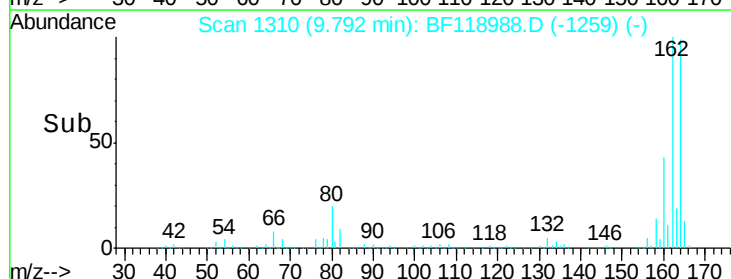
160 43.8 35.2 52.8

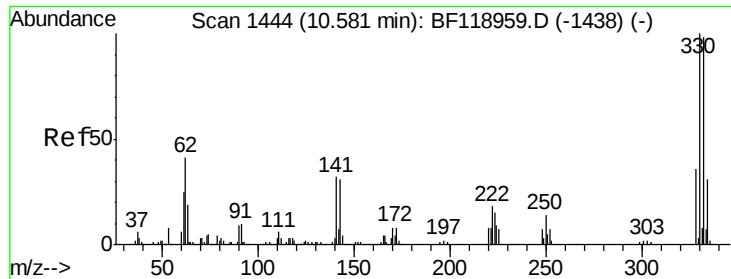


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 68.239 ng

RT: 10.58 min Scan# 1444

Delta R.T. -0.00 min

Lab File: BF118988.D

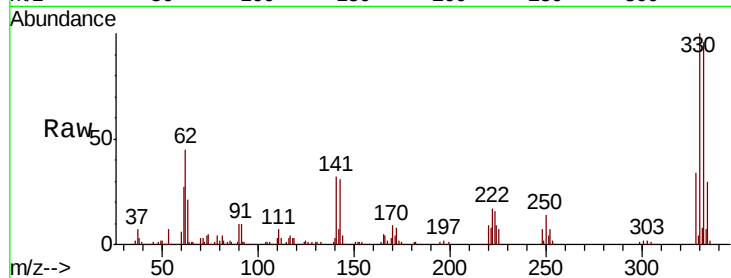
Acq: 21 Feb 2020 5:16

Instrument :

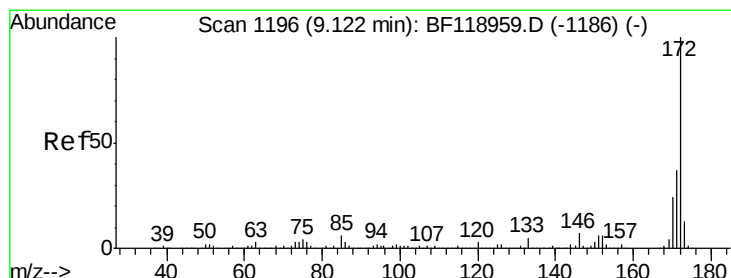
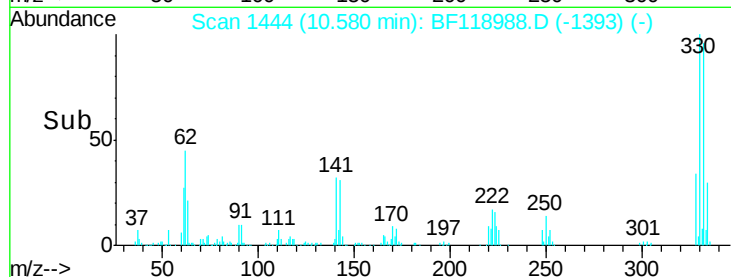
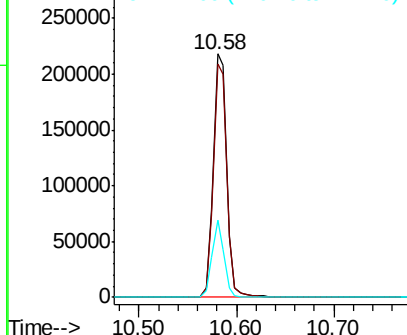
BNA_F

ClientSampled :

Tot Ion:	330	Resp:	209195
Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.1	115.7
141	28.4	23.0	34.6



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: 73.915 ng

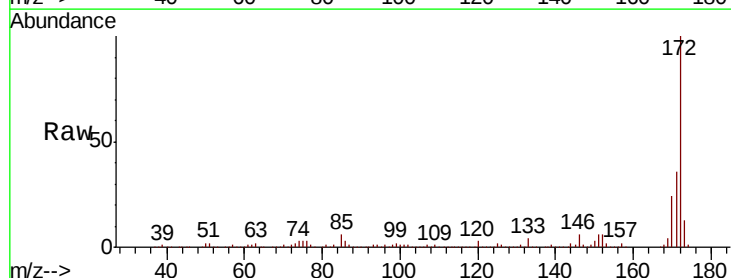
RT: 9.12 min Scan# 1196

Delta R.T. 0.00 min

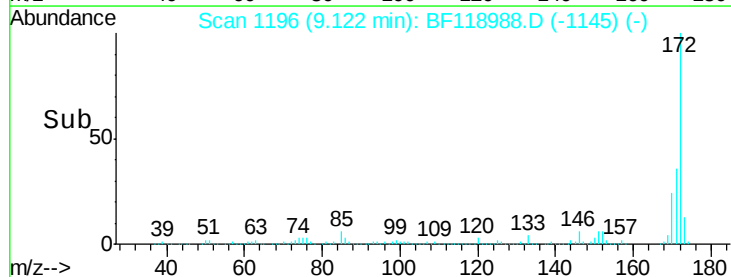
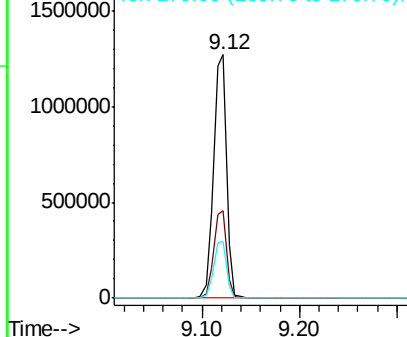
Lab File: BF118988.D

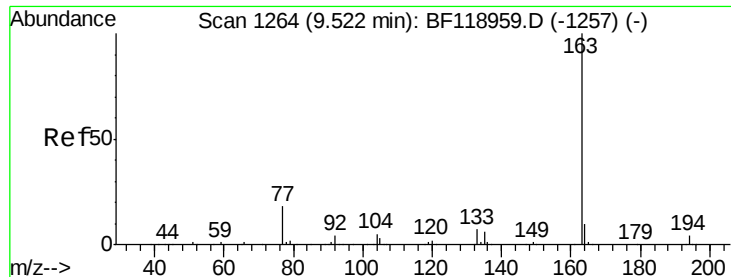
Acq: 21 Feb 2020 5:16

Tgt Ion:	172	Resp:	1175801
Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.4	44.2
170	23.6	19.6	29.4



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: 2.019 ng

RT: 9.51 min Scan# 1262

Delta R.T. -0.01 min

Lab File: BF118988.D

Acq: 21 Feb 2020 5:16

Instrument :

BNA_F

ClientSampleId :

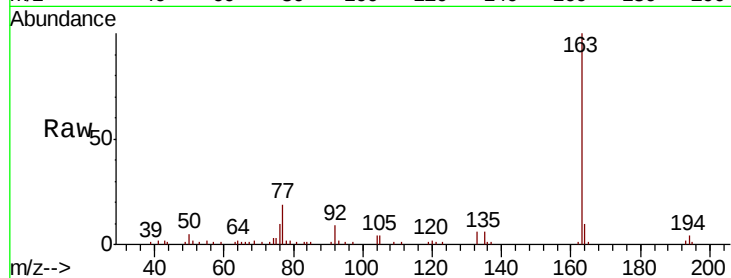
Tot Ion:163 Resp: 36188

Ion Ratio Lower Upper

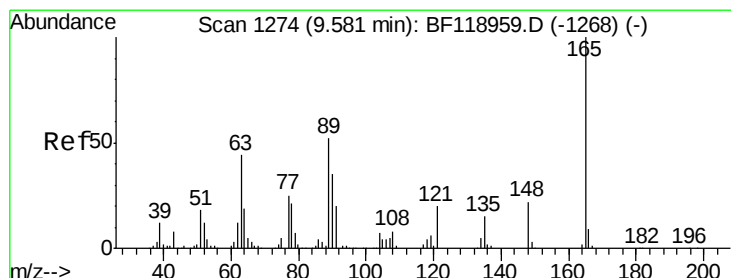
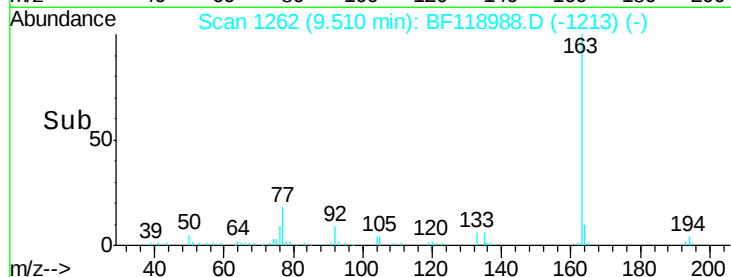
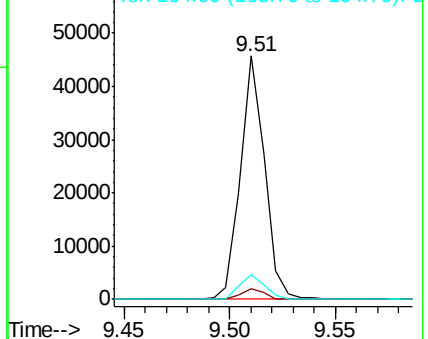
163 100

194 4.5 3.4 5.2

164 9.9 8.2 12.2



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: 7.612 ng

RT: 9.79 min Scan# 1310

Delta R.T. 0.21 min

Lab File: BF118988.D

Acq: 21 Feb 2020 5:16

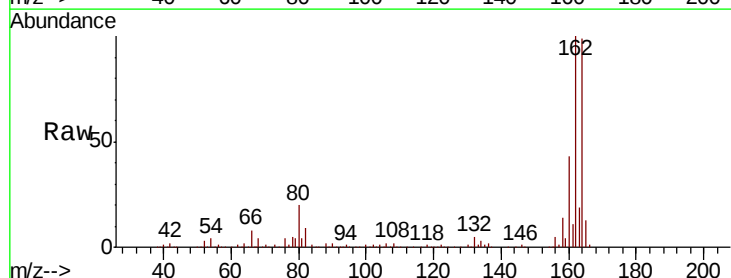
Tgt Ion:165 Resp: 30307

Ion Ratio Lower Upper

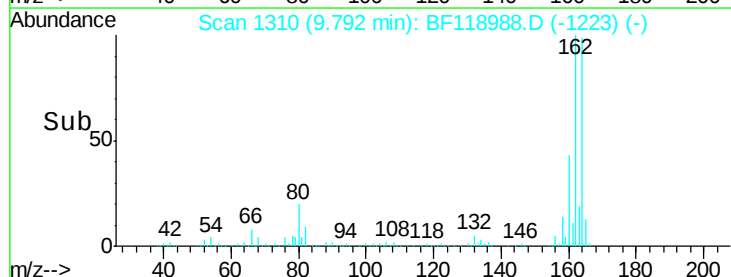
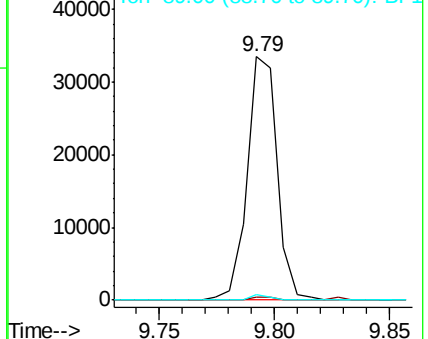
165 100

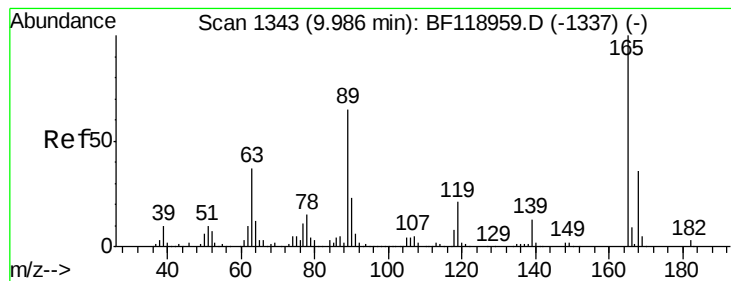
63 1.4 37.9 56.9#

89 2.1 41.4 62.0#



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: 5.873 ng

RT: 9.79 min Scan# 1310

Delta R.T. -0.19 min

Lab File: BF118988.D

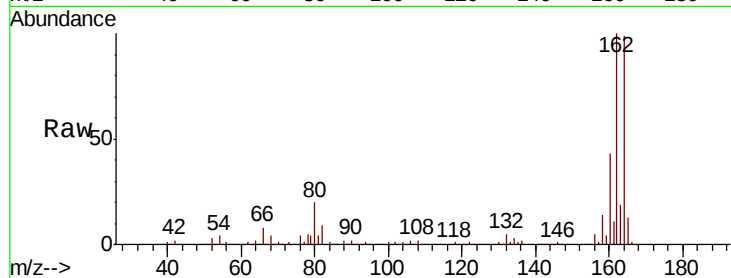
Acq: 21 Feb 2020 5:16

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165	Resp:	30307
Ion Ratio	Lower	Upper
165	100	
63	1.4	29.8 44.8#
89	2.1	51.9 77.9#
182	0.0	2.3 3.5#

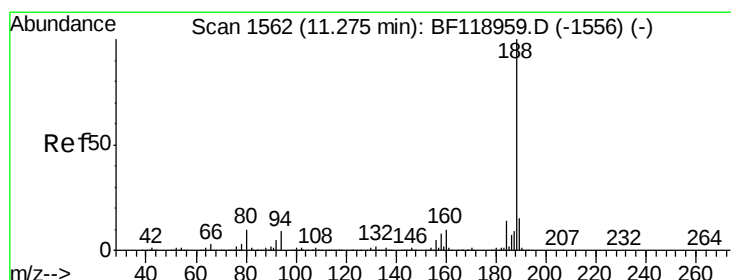
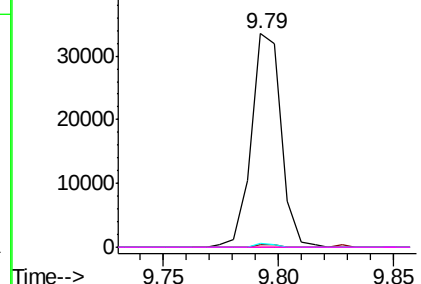
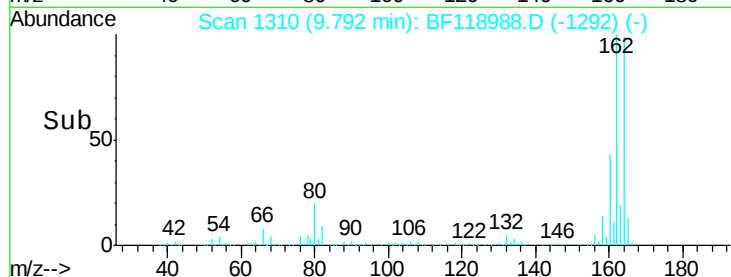


Abundance Ion 165.00 (164.70 to 165.70): E

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

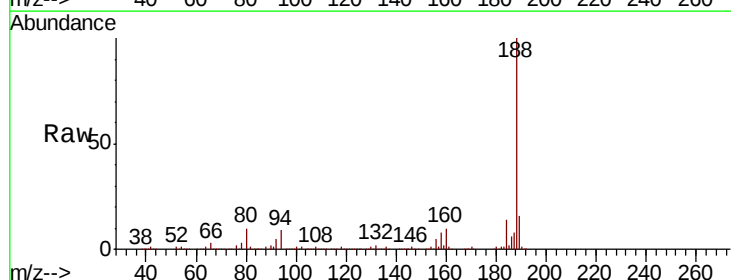
RT: 11.27 min Scan# 1562

Delta R.T. -0.00 min

Lab File: BF118988.D

Acq: 21 Feb 2020 5:16

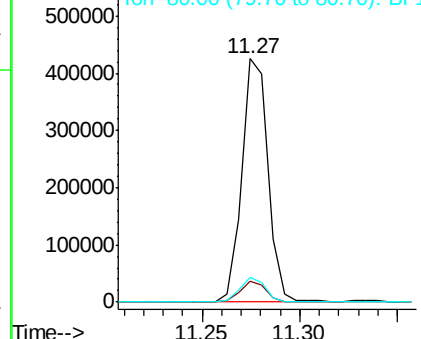
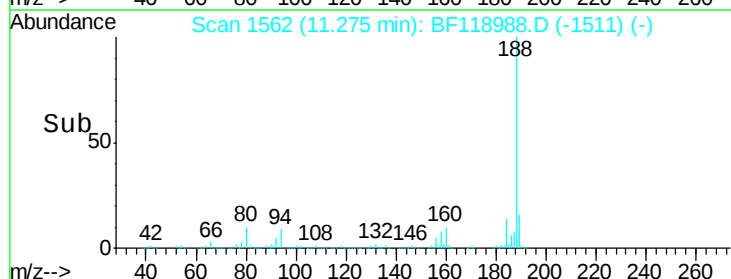
Tgt Ion:188	Resp:	394926
Ion Ratio	Lower	Upper
188	100	
94	8.8	7.0 10.6
80	10.2	7.9 11.9

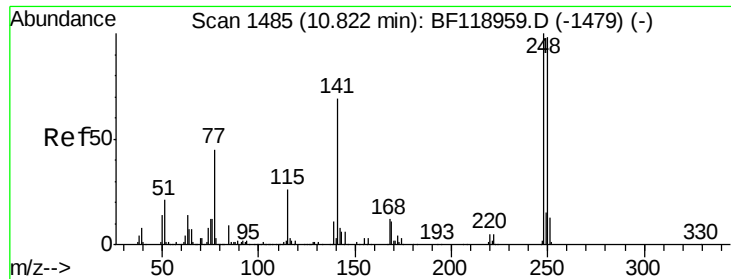


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

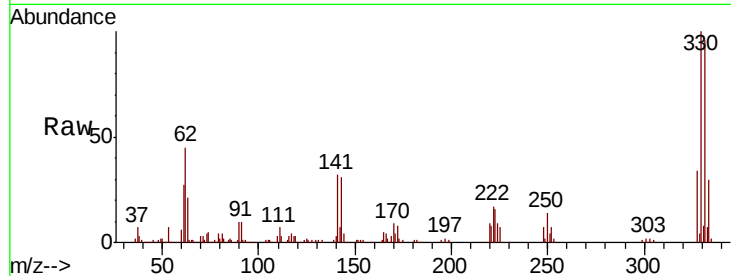




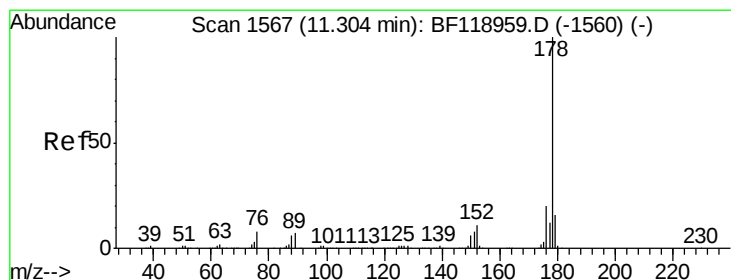
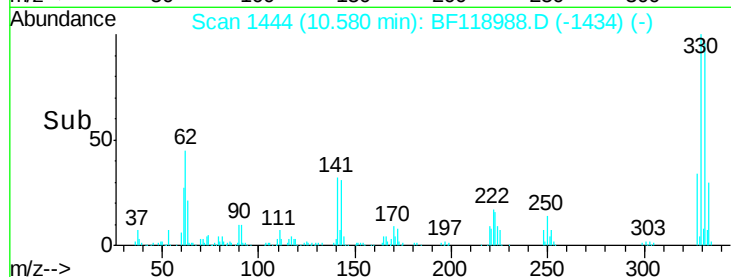
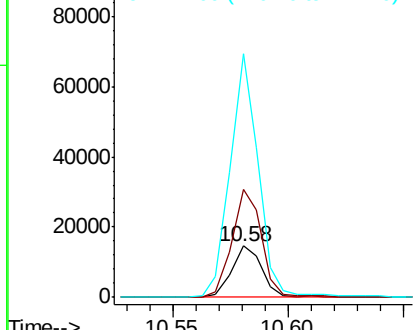
#67
4-Bromophenyl-phenylether
Concen: 2.541 ng
RT: 10.58 min Scan# 1444
Delta R.T. -0.24 min
Lab File: BF118988.D
Acq: 21 Feb 2020 5:16

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 13118
Ion Ratio Lower Upper
248 100
250 212.1 78.8 118.2#
141 477.0 55.3 82.9#

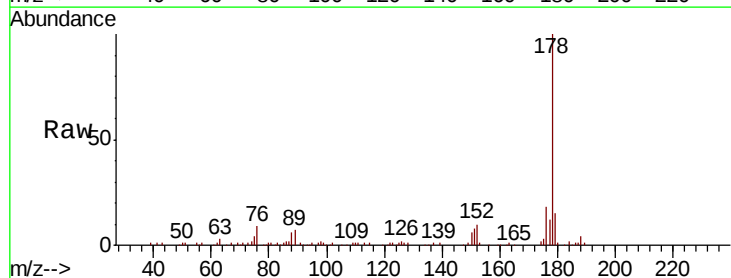


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

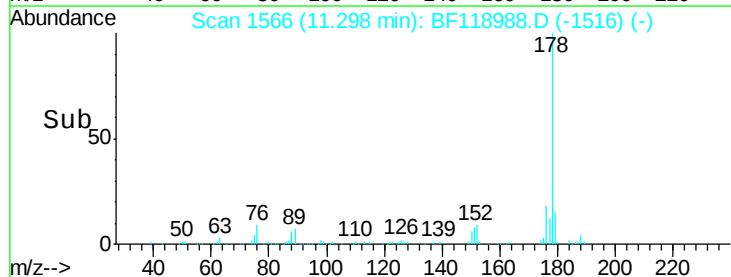
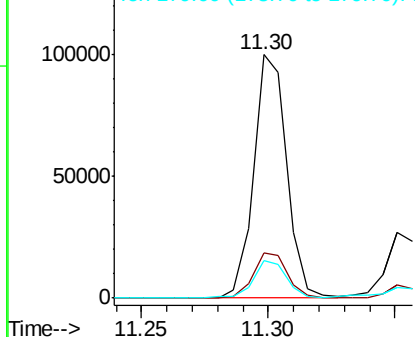


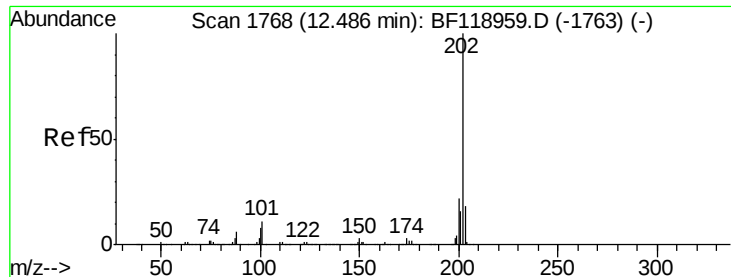
#71
Phenanthrene
Concen: 4.212 ng
RT: 11.30 min Scan# 1566
Delta R.T. -0.01 min
Lab File: BF118988.D
Acq: 21 Feb 2020 5:16

Tgt Ion:178 Resp: 90722
Ion Ratio Lower Upper
178 100
176 18.5 15.6 23.4
179 15.2 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





#75

Fluoranthene

Concen: 9.372 ng

RT: 12.49 min Scan# 1768

Delta R.T. -0.00 min

Lab File: BF118988.D

Acq: 21 Feb 2020 5:16

Instrument :

BNA_F

ClientSampleId :

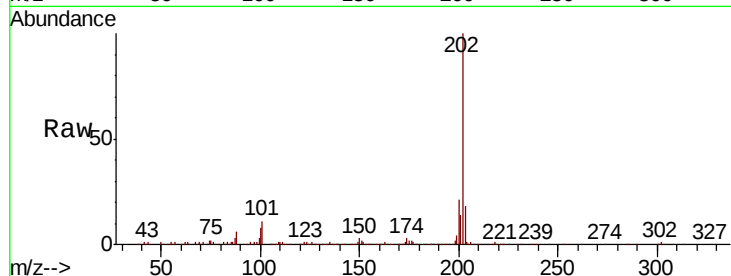
Tot Ion:202 Resp: 214256

Ion Ratio Lower Upper

202 100

101 11.1 0.0 31.1

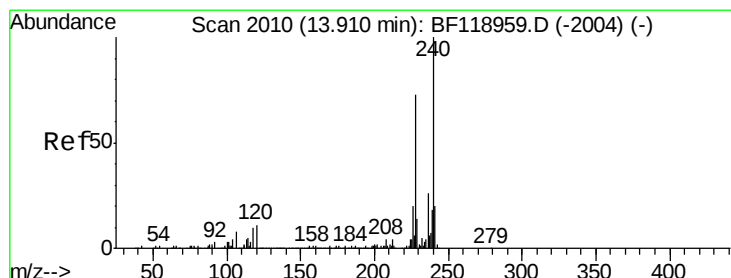
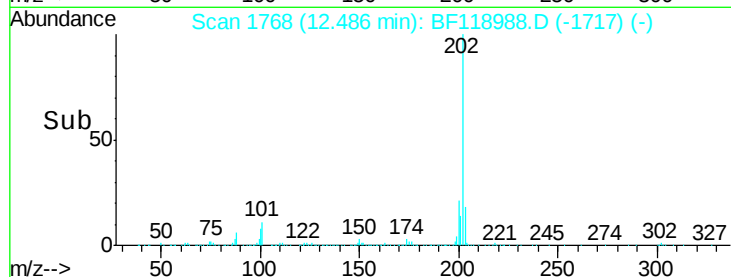
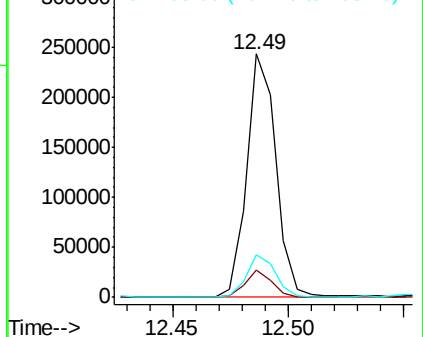
203 17.7 0.0 38.1



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: 13.92 min Scan# 2011

Delta R.T. 0.01 min

Lab File: BF118988.D

Acq: 21 Feb 2020 5:16

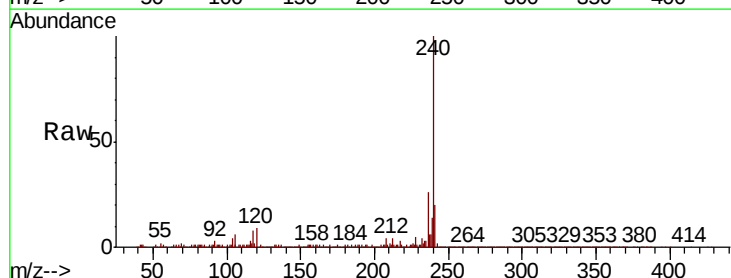
Tgt Ion:240 Resp: 364661

Ion Ratio Lower Upper

240 100

120 9.3 8.9 13.3

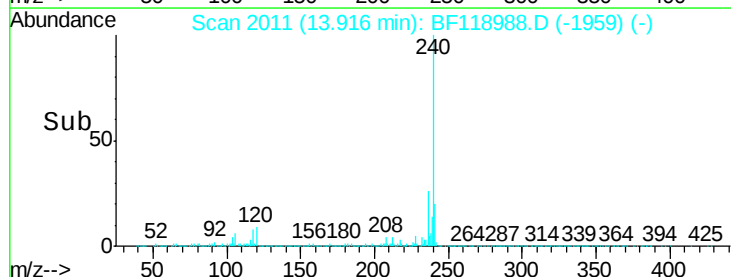
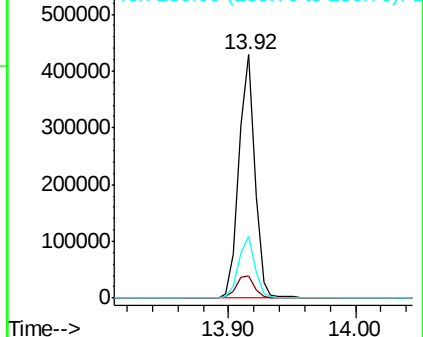
236 25.7 20.6 30.8

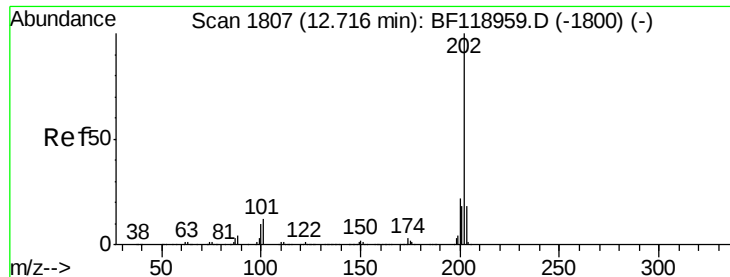


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

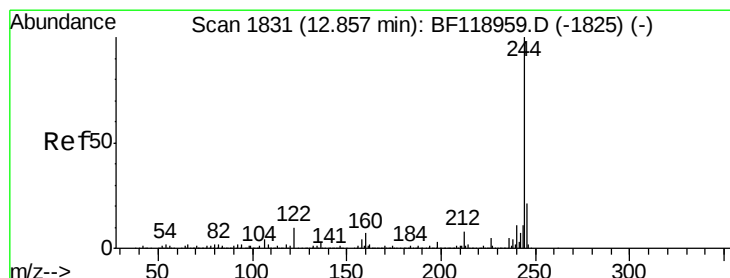
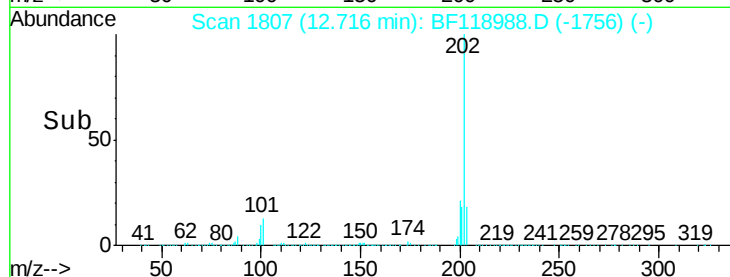
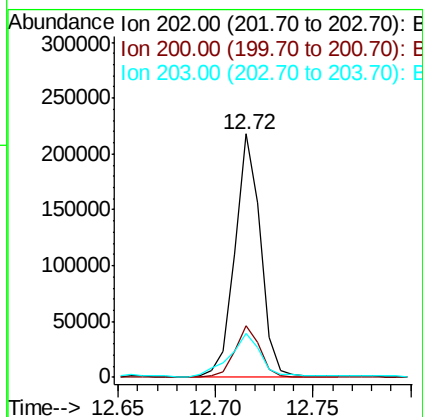
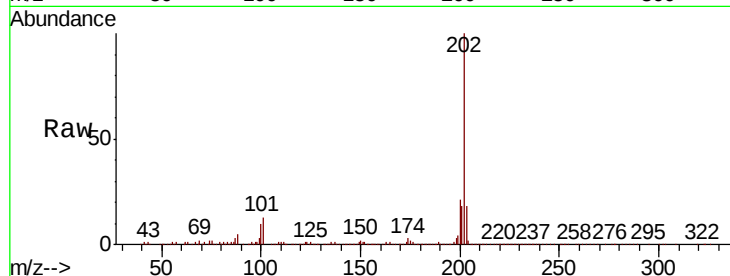




#78
Pvrene
Concen: 6.727 ng
RT: 12.72 min Scan# 1807
Delta R.T. -0.00 min
Lab File: BF118988.D
Acq: 21 Feb 2020 5:16

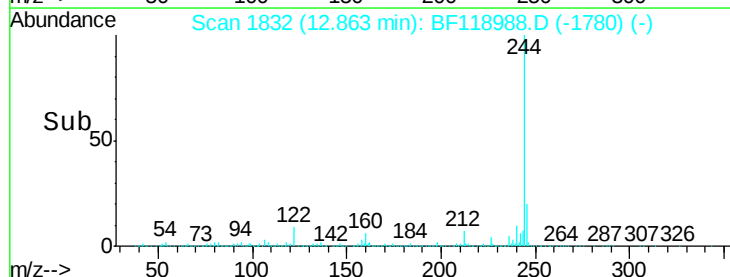
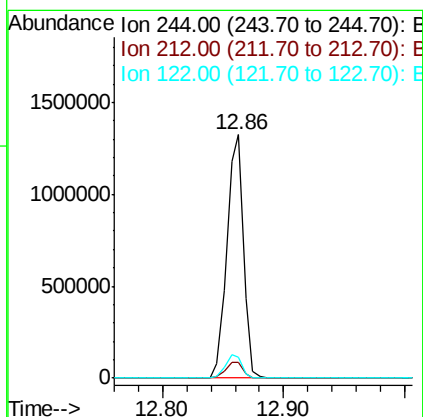
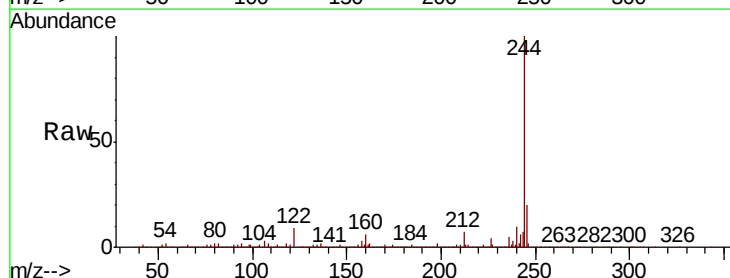
Instrument :
BNA_F
ClientSampleId :

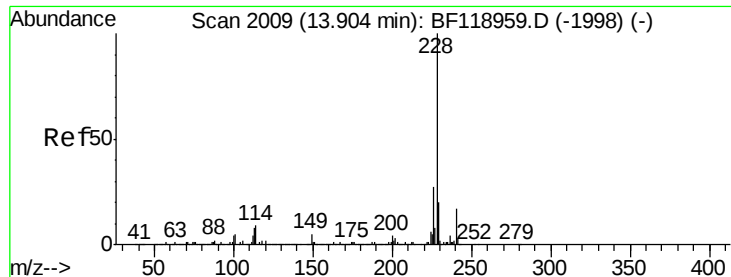
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.4	26.0
203	18.3	14.5	21.7



#79
Terphenyl-d14
Concen: 59.368 ng
RT: 12.86 min Scan# 1832
Delta R.T. 0.01 min
Lab File: BF118988.D
Acq: 21 Feb 2020 5:16

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	6.3	9.5
122	8.8	8.4	12.6





#81

Benzo(a)anthracene

Concen: 4.516 ng

RT: 13.90 min Scan# 2009

Delta R.T. -0.00 min

Lab File: BF118988.D

Acq: 21 Feb 2020 5:16

Instrument :

BNA_F

ClientSampleId :

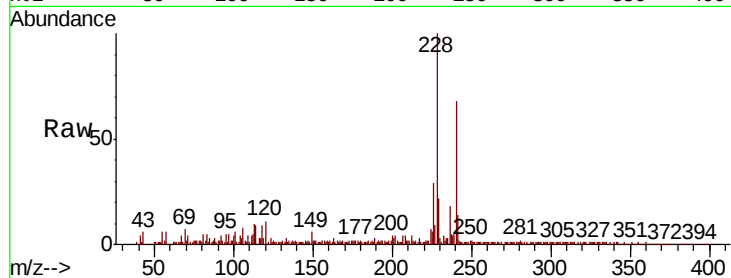
Tot Ion:228 Resp: 112216

Ion Ratio Lower Upper

228 100

226 28.5 21.8 32.8

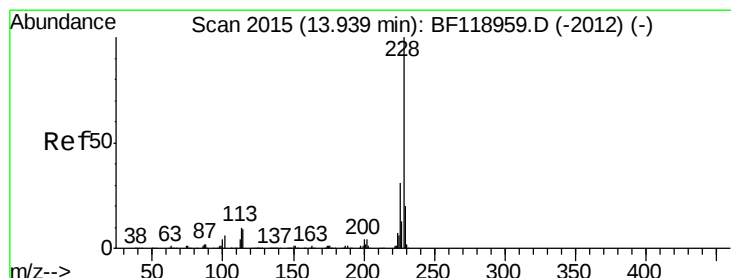
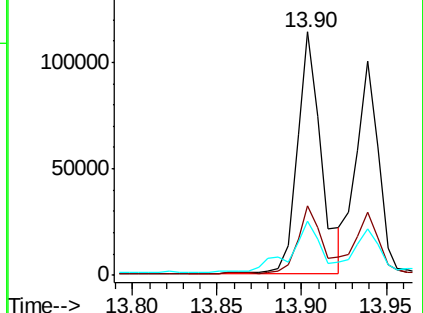
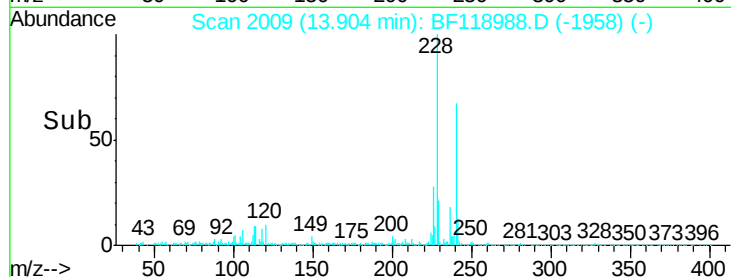
229 22.1 16.0 24.0



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: 3.766 ng

RT: 13.94 min Scan# 2015

Delta R.T. -0.00 min

Lab File: BF118988.D

Acq: 21 Feb 2020 5:16

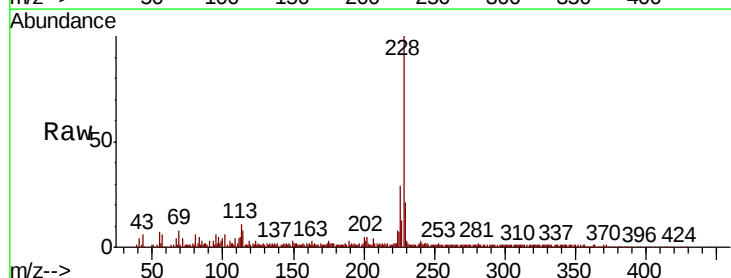
Tgt Ion:228 Resp: 93228

Ion Ratio Lower Upper

228 100

226 29.4 24.6 37.0

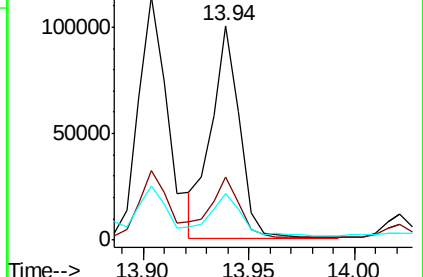
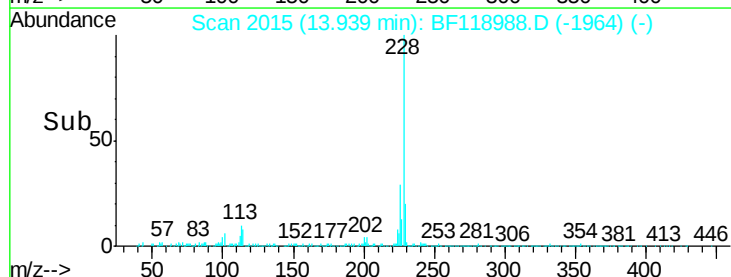
229 21.5 16.2 24.2

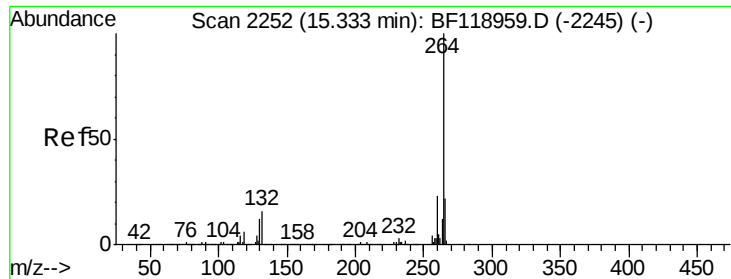


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

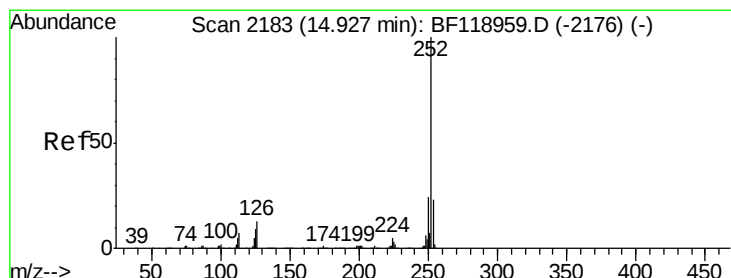
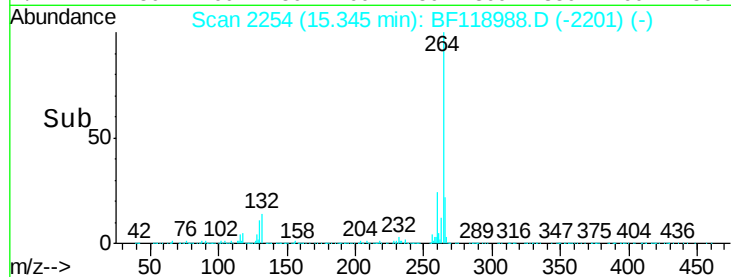
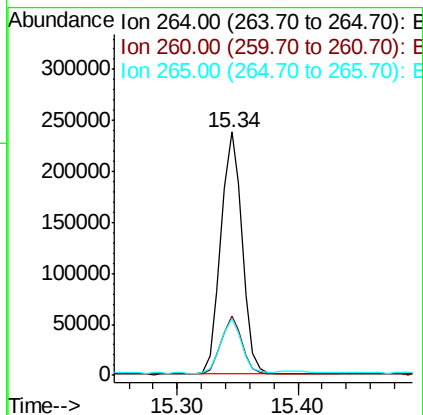
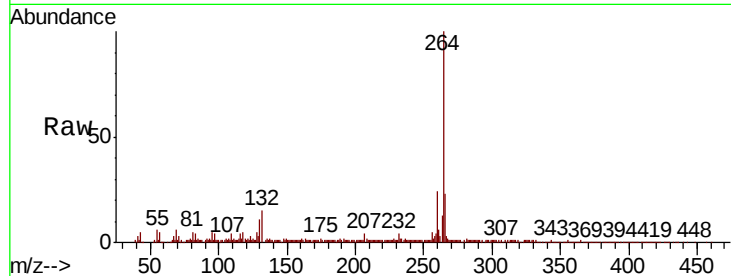




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.34 min Scan# 2254
Delta R.T. 0.01 min
Lab File: BF118988.D
Acq: 21 Feb 2020 5:16

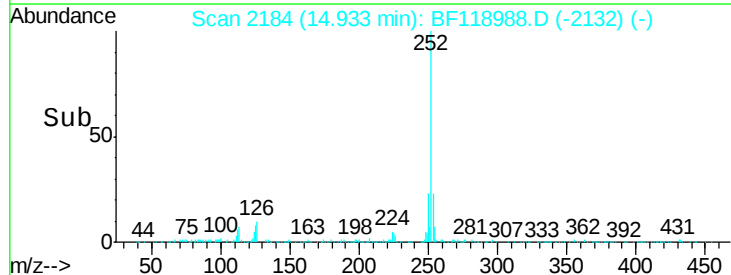
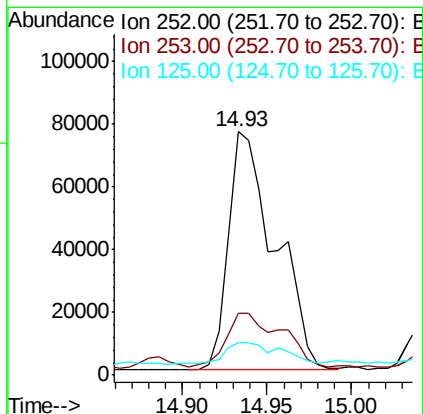
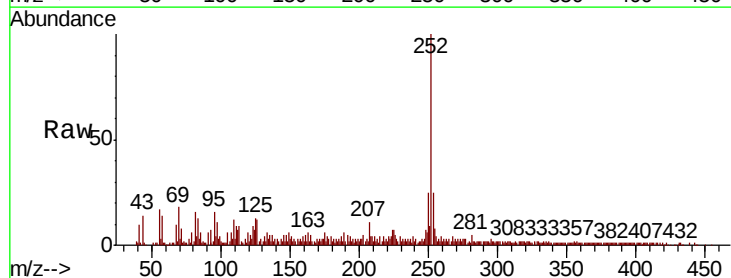
Instrument :
BNA_F
ClientSampleId :

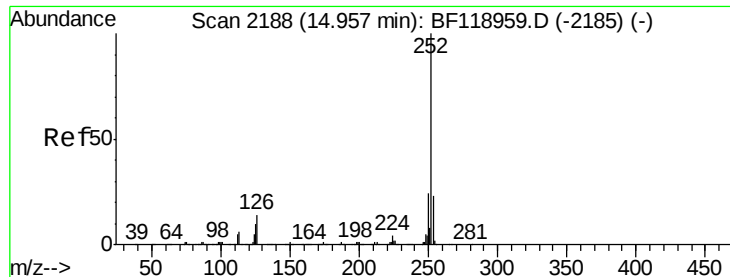
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.6	28.0
265	23.1	17.3	25.9



#88
Benzo(b)fluoranthene
Concen: 7.624 ng
RT: 14.93 min Scan# 2184
Delta R.T. 0.01 min
Lab File: BF118988.D
Acq: 21 Feb 2020 5:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.3	18.2	27.2
125	13.3	7.4	11.0

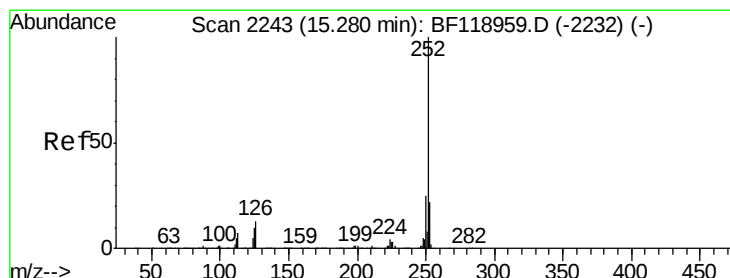
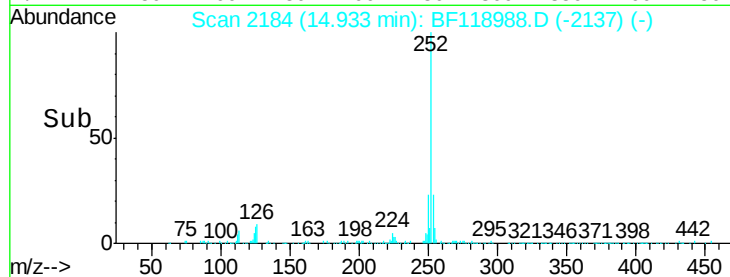
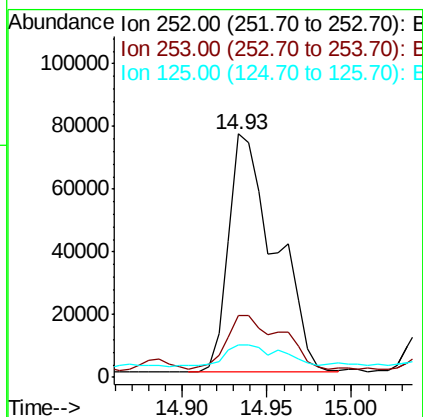
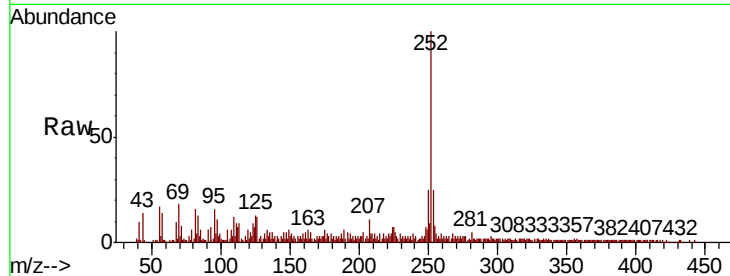




#89
Benzo(k)fluoranthene
Concen: 8.227 ng
RT: 14.93 min Scan# 2184
Delta R.T. -0.02 min
Lab File: BF118988.D
Acq: 21 Feb 2020 5:16

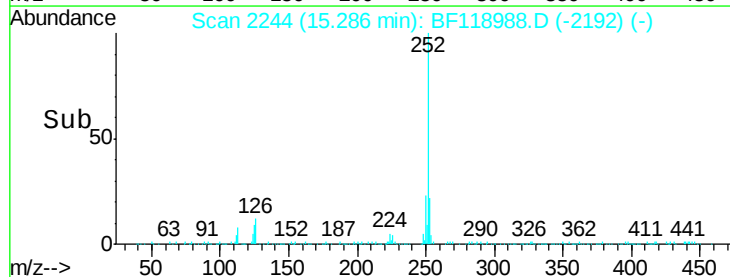
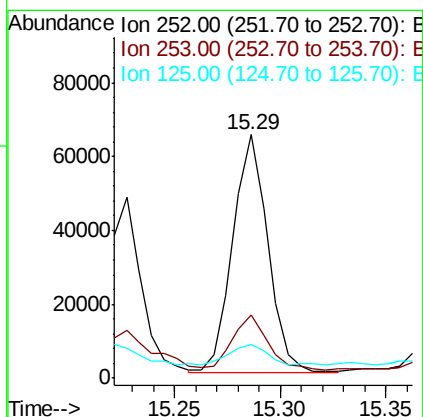
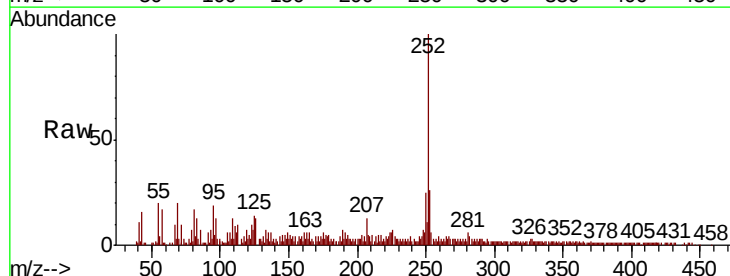
Instrument :
BNA_F
ClientSampleId :

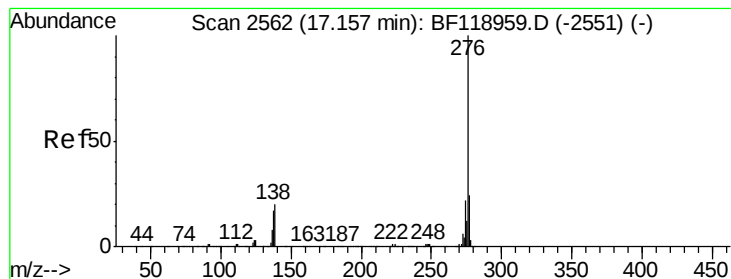
Tot Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.9	26.9
125	13.3	7.3	10.9



#90
Benzo(a)pyrene
Concen: 4.274 ng
RT: 15.29 min Scan# 2244
Delta R.T. 0.01 min
Lab File: BF118988.D
Acq: 21 Feb 2020 5:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.8	17.9	26.9
125	14.0	7.8	11.6





#92

Benzo(a,h,i)perylene

Concen: 2.828 ng

RT: 17.18 min Scan# 2566

Delta R.T. 0.02 min

Lab File: BF118988.D

Acq: 21 Feb 2020 5:16

Instrument :

BNA_F

ClientSampleId :

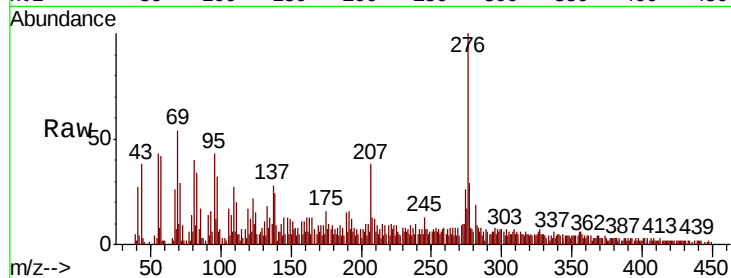
Tot Ion: 276 Resp: 42443

Ion Ratio Lower Upper

276 100

277 28.7 19.2 28.8

138 24.1 16.2 24.4



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

