

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103020\
 Data File : BF122198.D
 Acq On : 31 Oct 2020 00:27
 Operator : JU/CG
 Sample : L4541-02
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 124031

Quant Time: Oct 31 03:03:16 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 30 10:16:54 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

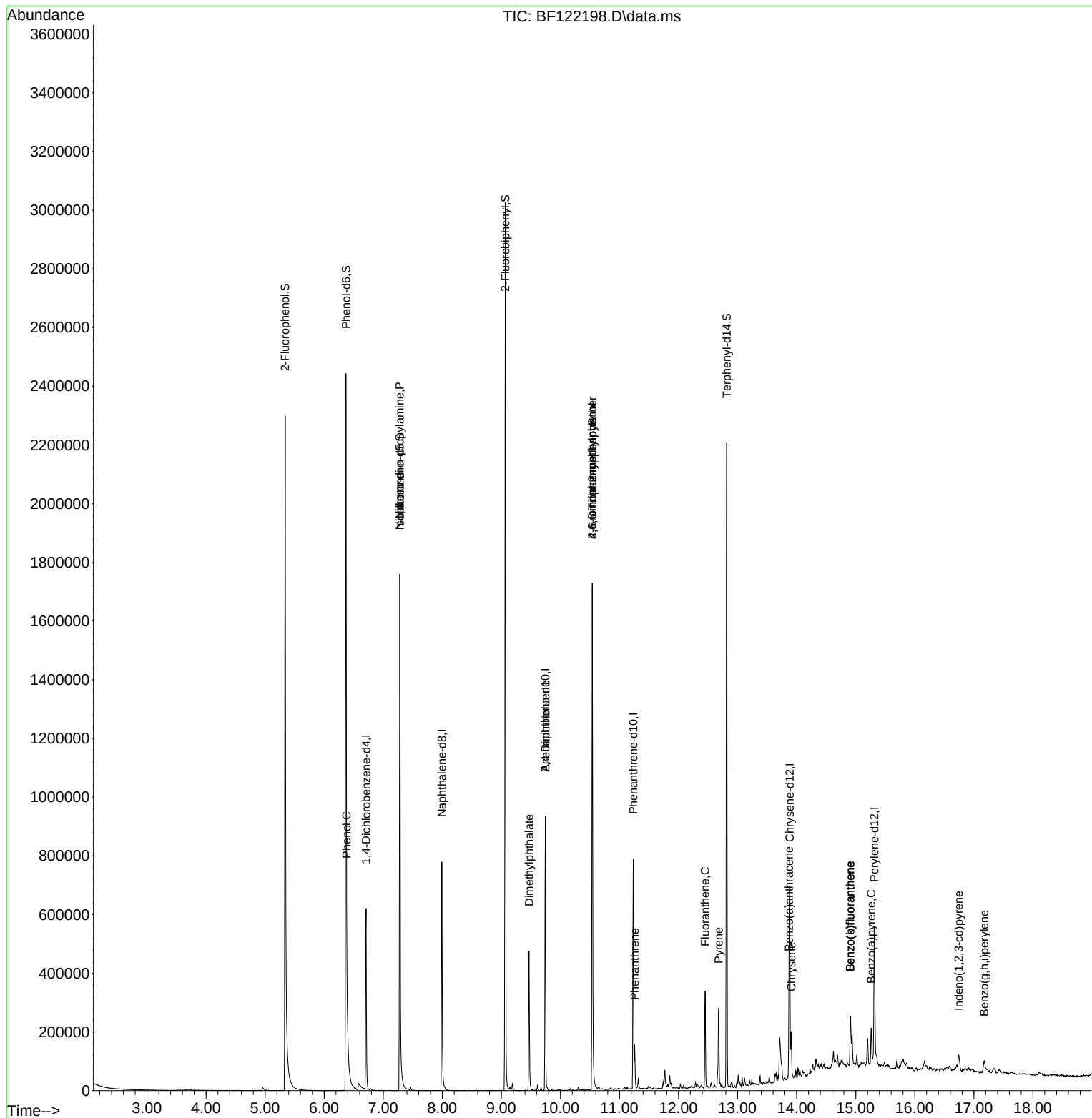
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.710	152	96059	20.00	ng	0.00
21) Naphthalene-d8	7.992	136	368057	20.00	ng	0.00
39) Acenaphthene-d10	9.745	164	174631	20.00	ng	0.00
64) Phenanthrene-d10	11.233	188	274501	20.00	ng	0.00
76) Chrysene-d12	13.880	240	198857	20.00	ng	0.00
86) Perylene-d12	15.315	264	211396	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	754804	115.97	ng	0.00
7) Phenol-d6	6.369	99	935562	111.67	ng	0.00
23) Nitrobenzene-d5	7.281	82	611072	85.15	ng	0.00
42) 2,4,6-Tribromophenol	10.539	330	226906	105.04	ng	0.00
45) 2-Fluorobiphenyl	9.069	172	917801	77.33	ng	0.00
79) Terphenyl-d14	12.816	244	645354	61.85	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.369	77	1721	Below Cal	#	3
10) Phenol	6.381	94	57933	6.70	ng	92
19) n-Nitroso-di-n-propyla...	7.281	70	81760	17.14	ng	# 82
25) Isophorone	7.281	82	611069	45.03	ng	# 67
50) Dimethylphthalate	9.469	163	191722	15.01	ng	99
57) 2,4-Dinitrotoluene	9.745	165	21696	6.29	ng	# 19
65) 4,6-Dinitro-2-methylph...	10.539	198	391	4.63	ng	# 1
67) 4-Bromophenyl-phenylether	10.539	248	13121	4.14	ng	# 1
71) Phenanthrene	11.257	178	57182	3.80	ng	98
75) Fluoranthene	12.451	202	133422	8.27	ng	97
78) Pyrene	12.680	202	117852	7.78	ng	97
81) Benzo(a)anthracene	13.868	228	65958	5.06	ng	97
83) Chrysene	13.910	228	59077	4.62	ng	98
87) Indeno(1,2,3-cd)pyrene	16.745	276	35122	2.56	ng	96
88) Benzo(b)fluoranthene	14.909	252	111842	7.83	ng	99
89) Benzo(k)fluoranthene	14.909	252	111842	8.24	ng	# 97
90) Benzo(a)pyrene	15.262	252	58549	4.74	ng	98
92) Benzo(g,h,i)perylene	17.174	276	33932	3.00	ng	98

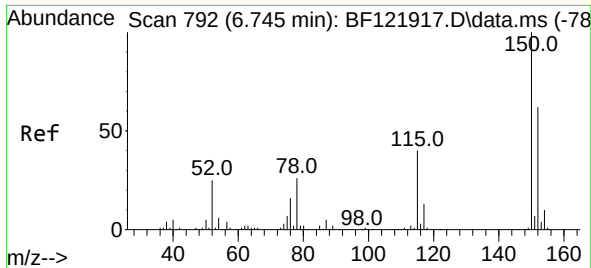
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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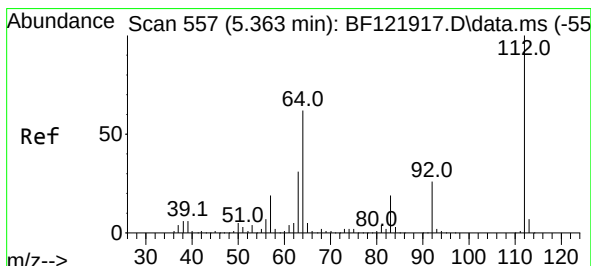
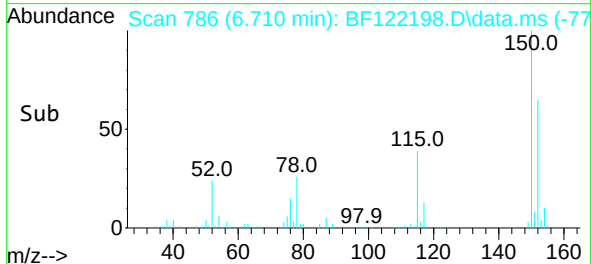
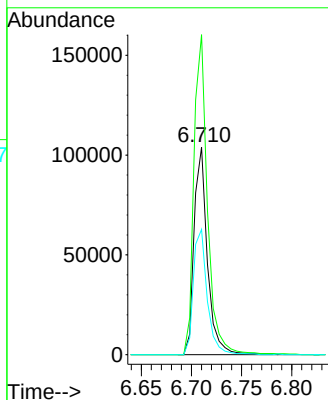
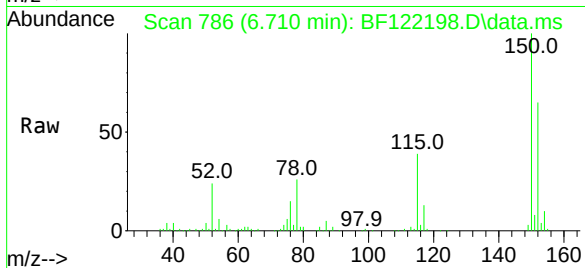




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.710 min Scan# 786
Delta R.T. -0.006 min
Lab File: BF122198.D
Acq: 31 Oct 2020 00:27

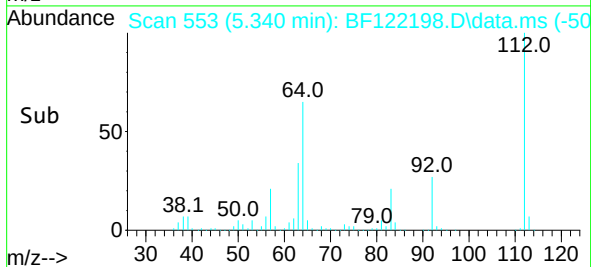
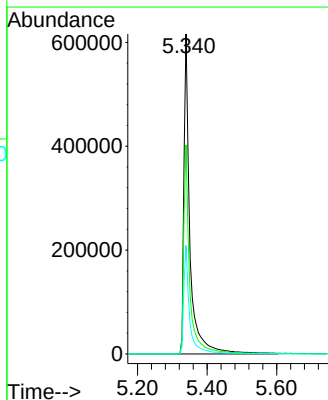
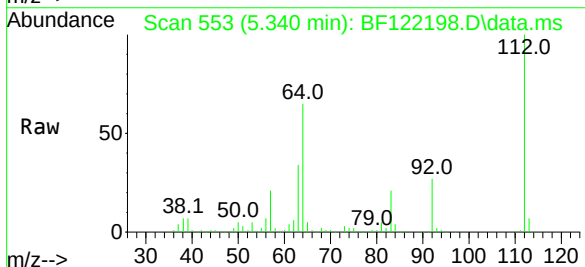
Instrument :
BNA_F
ClientSampleId :
124031

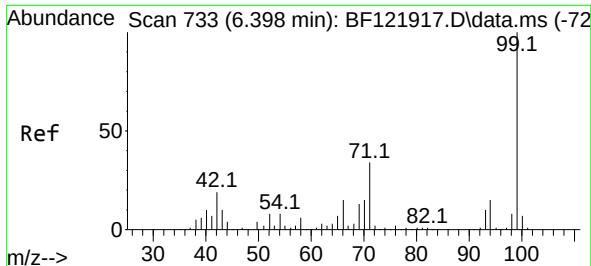
Tgt Ion:152 Resp: 96059
Ion Ratio Lower Upper
152 100
150 154.2 125.3 187.9
115 60.4 51.9 77.9



#5
2-Fluorophenol
Concen: 115.97 ng
RT: 5.340 min Scan# 553
Delta R.T. 0.006 min
Lab File: BF122198.D
Acq: 31 Oct 2020 00:27

Tgt Ion:112 Resp: 754804
Ion Ratio Lower Upper
112 100
64 65.4 50.4 75.6
63 33.9 25.8 38.6

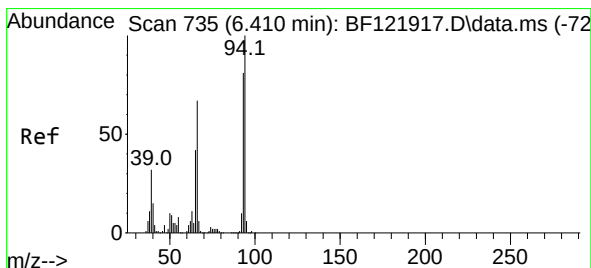
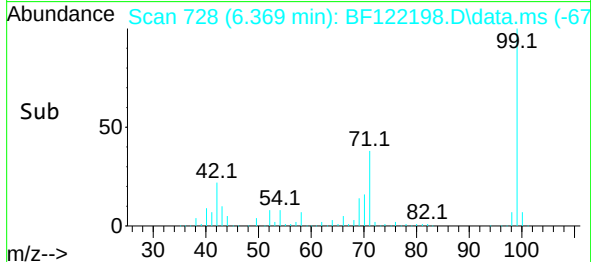
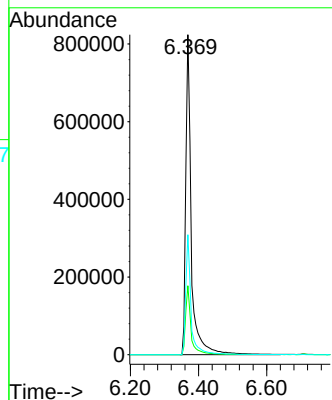
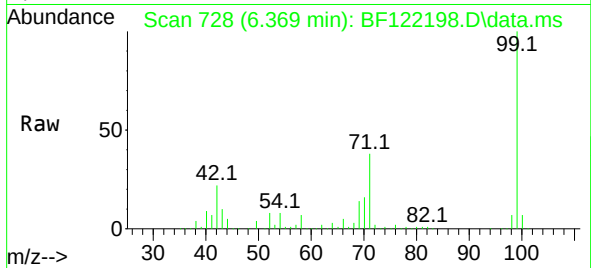




#7
Phenol-d6
Concen: 111.67 ng
RT: 6.369 min Scan# 728
Delta R.T. -0.000 min
Lab File: BF122198.D
Acq: 31 Oct 2020 00:27

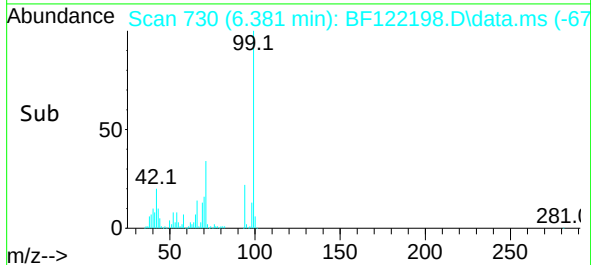
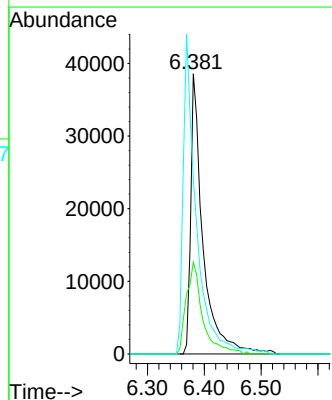
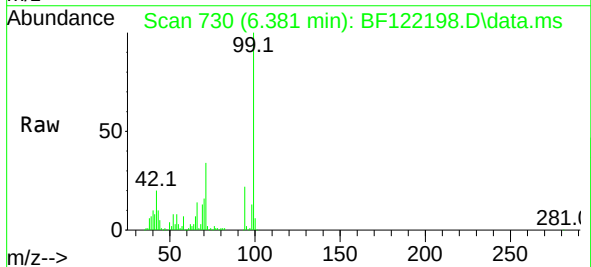
Instrument :
BNA_F
ClientSampleId :
124031

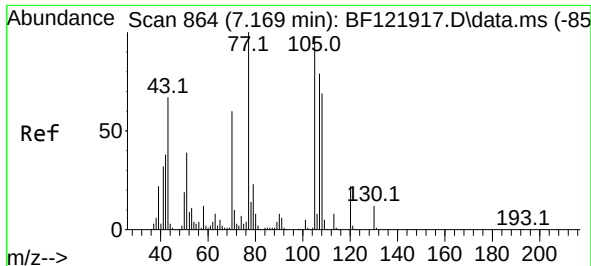
Tgt Ion: 99 Resp: 935562
Ion Ratio Lower Upper
99 100
42 21.5 15.9 23.9
71 37.5 27.1 40.7



#10
Phenol
Concen: 6.70 ng
RT: 6.381 min Scan# 730
Delta R.T. -0.000 min
Lab File: BF122198.D
Acq: 31 Oct 2020 00:27

Tgt Ion: 94 Resp: 57933
Ion Ratio Lower Upper
94 100
65 32.8 17.1 57.1
66 62.4 36.0 76.0

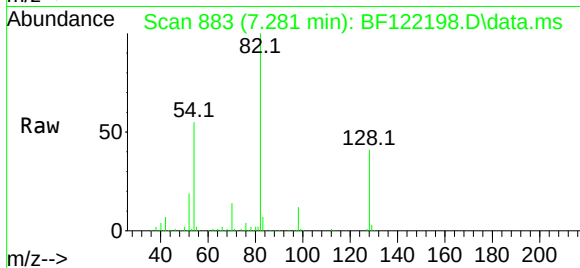




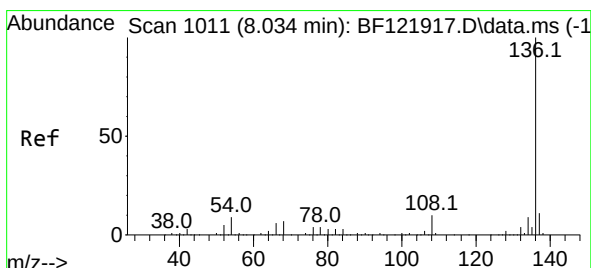
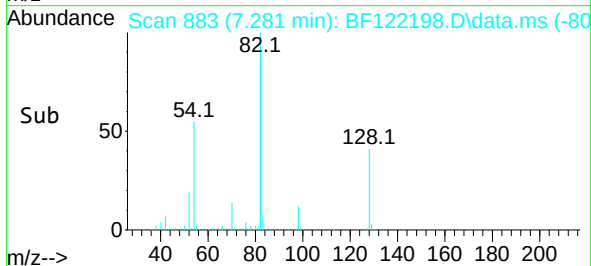
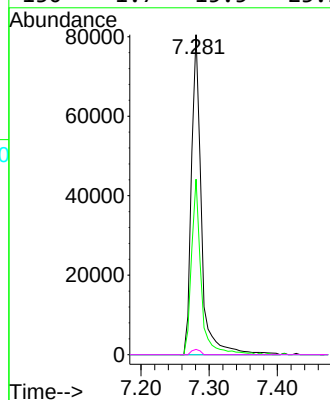
#19

n-Nitroso-di-n-propylamine
Concen: 17.14 ng
RT: 7.281 min Scan# 883
Delta R.T. 0.141 min
Lab File: BF122198.D
Acq: 31 Oct 2020 00:27

Instrument :
BNA_F
ClientSampled :
124031



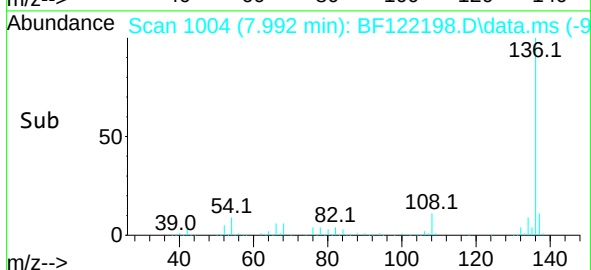
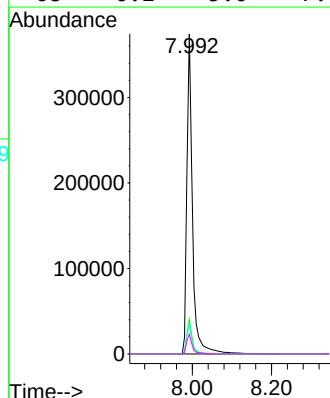
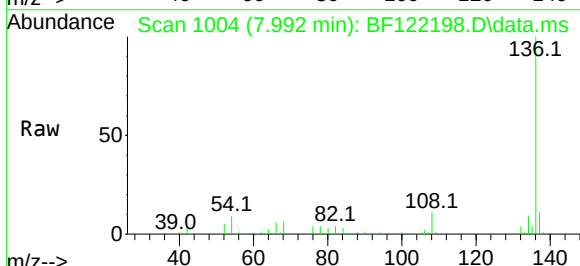
Tgt Ion:	70	Resp:	81760
Ion	Ratio	Lower	Upper
70	100		
42	54.8	50.2	75.4
101	0.0	7.5	11.3#
130	1.7	15.5	23.3#

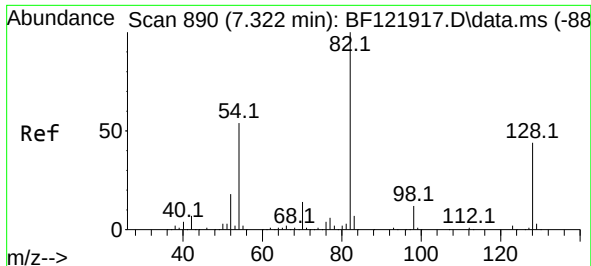


#21

Naphthalene-d8
Concen: 20.00 ng
RT: 7.992 min Scan# 1004
Delta R.T. -0.006 min
Lab File: BF122198.D
Acq: 31 Oct 2020 00:27

Tgt Ion:	136	Resp:	368057
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	9.2	7.1	10.7
68	6.2	5.0	7.4





#23

Nitrobenzene-d5

Concen: 85.15 ng

RT: 7.281 min Scan# 883

Delta R.T. -0.006 min

Lab File: BF122198.D

Acq: 31 Oct 2020 00:27

Tgt Ion: 82 Resp: 611072

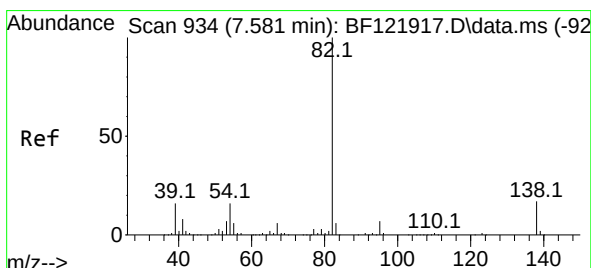
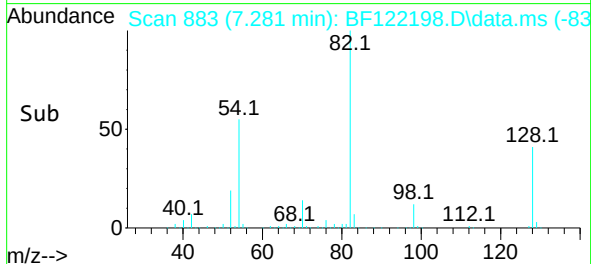
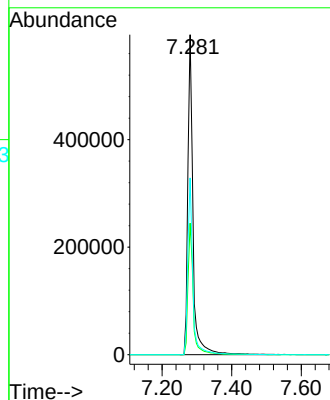
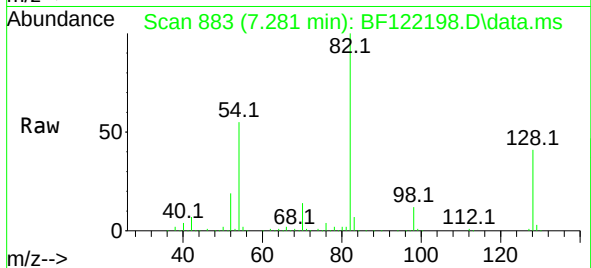
Ion	Ratio	Lower	Upper
82	100		
128	41.1	35.0	52.4
54	55.2	43.9	65.9

Instrument :

BNA_F

ClientSampleId :

124031



#25

Isophorone

Concen: 45.03 ng

RT: 7.281 min Scan# 883

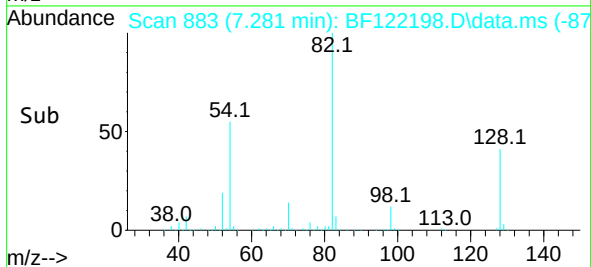
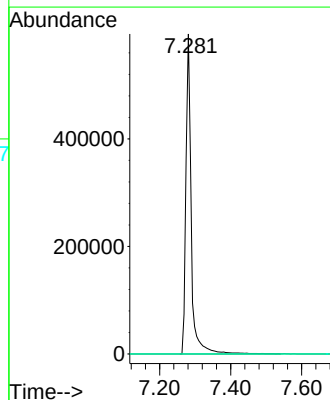
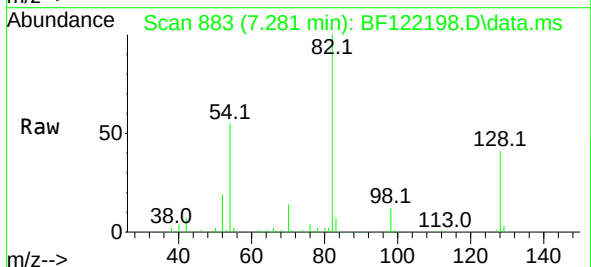
Delta R.T. -0.265 min

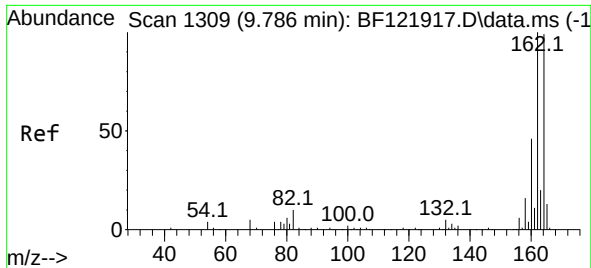
Lab File: BF122198.D

Acq: 31 Oct 2020 00:27

Tgt Ion: 82 Resp: 611069

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.4	8.0#
138	0.0	13.4	20.0#

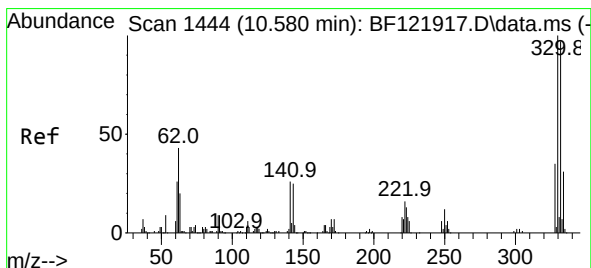
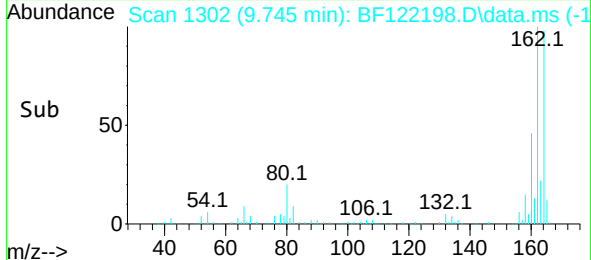
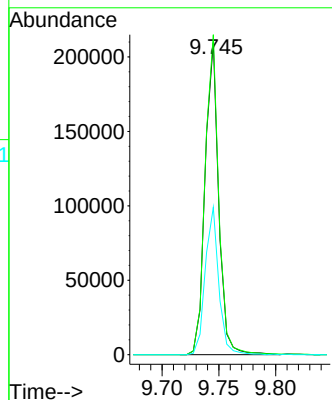
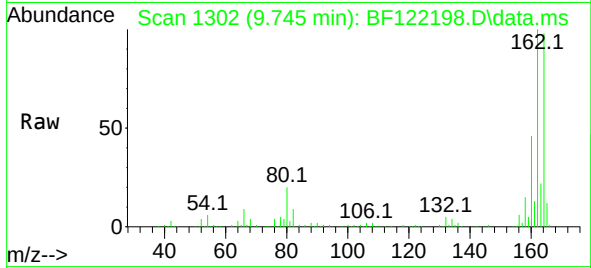




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.745 min Scan# 1302
Delta R.T. -0.006 min
Lab File: BF122198.D
Acq: 31 Oct 2020 00:27

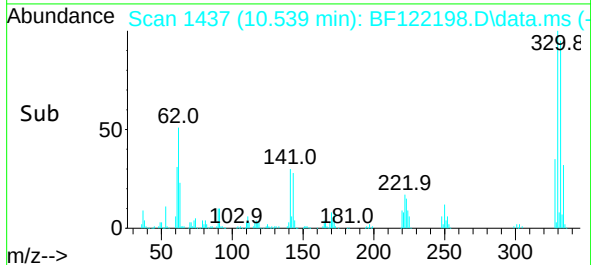
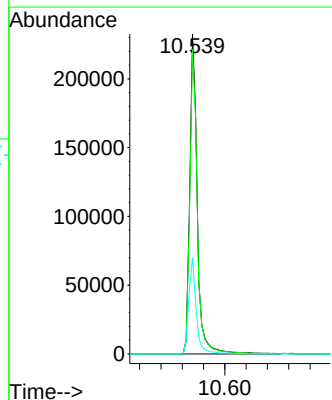
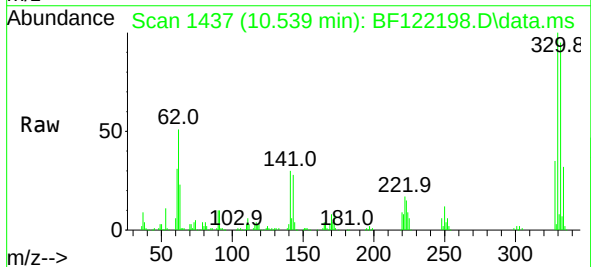
Instrument :
BNA_F
ClientSampled :
124031

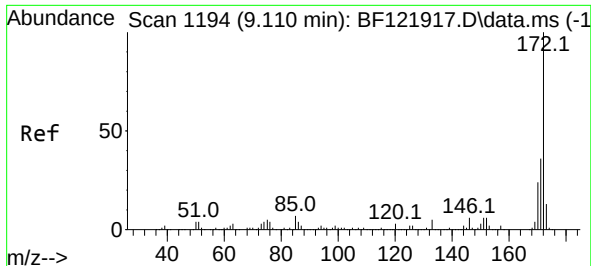
Tgt Ion:164 Resp: 174631
Ion Ratio Lower Upper
164 100
162 102.4 83.2 124.8
160 47.2 37.5 56.3



#42
2,4,6-Tribromophenol
Concen: 105.04 ng
RT: 10.539 min Scan# 1437
Delta R.T. -0.006 min
Lab File: BF122198.D
Acq: 31 Oct 2020 00:27

Tgt Ion:330 Resp: 226906
Ion Ratio Lower Upper
330 100
332 96.0 77.3 115.9
141 30.2 22.3 33.5

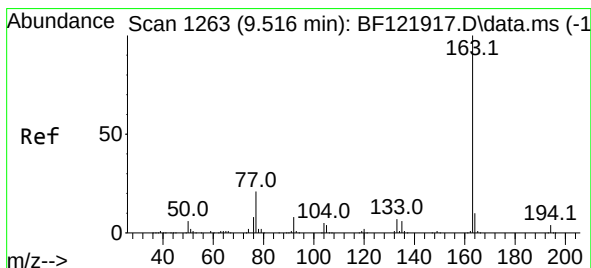
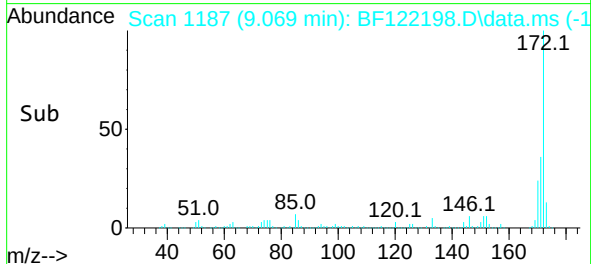
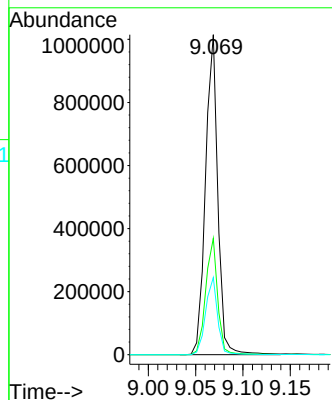
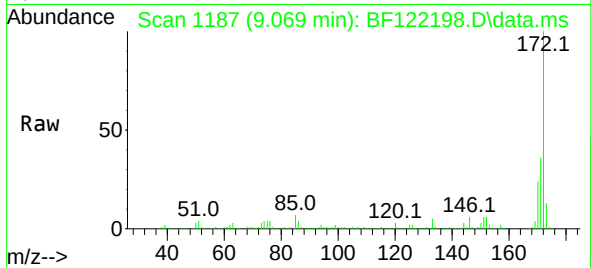




#45
2-Fluorobiphenyl
Concen: 77.33 ng
RT: 9.069 min Scan# 1187
Delta R.T. -0.006 min
Lab File: BF122198.D
Acq: 31 Oct 2020 00:27

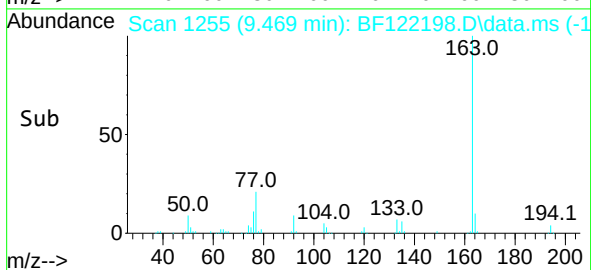
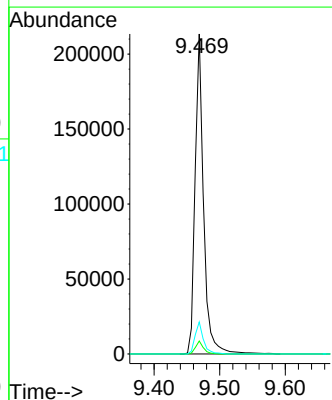
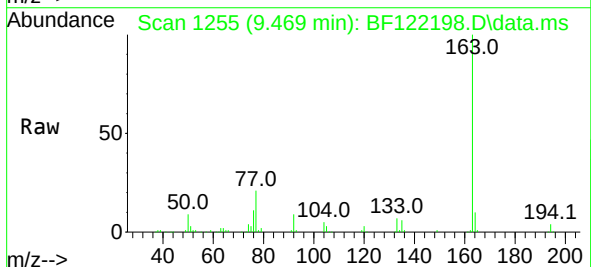
Instrument :
BNA_F
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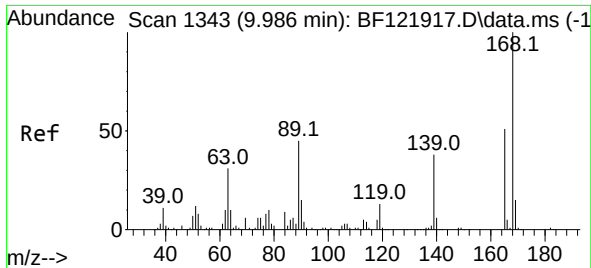
Tgt Ion:172 Resp: 917801
Ion Ratio Lower Upper
172 100
171 36.3 29.1 43.7
170 24.1 19.8 29.6



#50
Dimethylphthalate
Concen: 15.01 ng
RT: 9.469 min Scan# 1255
Delta R.T. -0.012 min
Lab File: BF122198.D
Acq: 31 Oct 2020 00:27

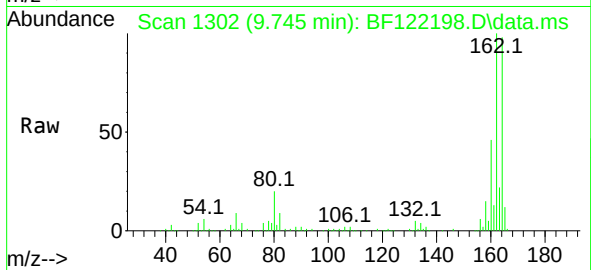
Tgt Ion:163 Resp: 191722
Ion Ratio Lower Upper
163 100
194 4.1 3.3 4.9
164 10.0 8.2 12.4



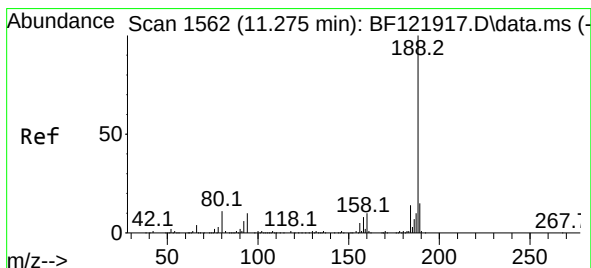
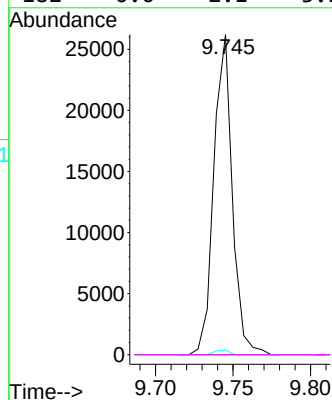
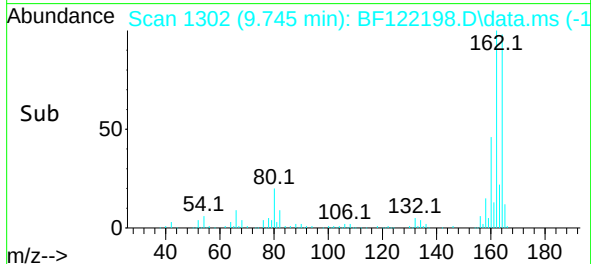


#57
2,4-Dinitrotoluene
Concen: 6.29 ng
RT: 9.745 min Scan# 1302
Delta R.T. -0.218 min
Lab File: BF122198.D
Acq: 31 Oct 2020 00:27

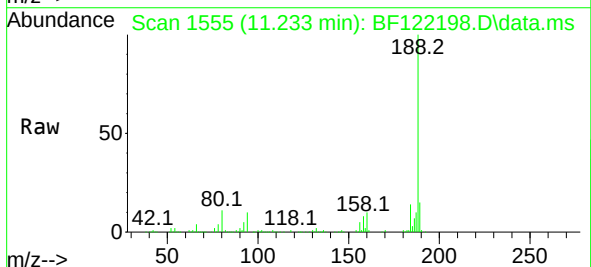
Instrument :
BNA_F
ClientSampleId :
124031



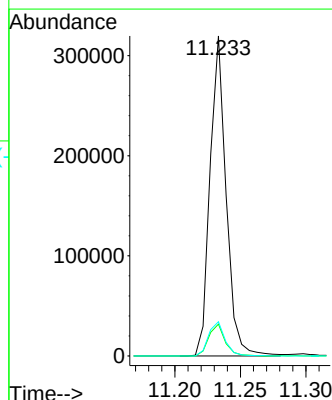
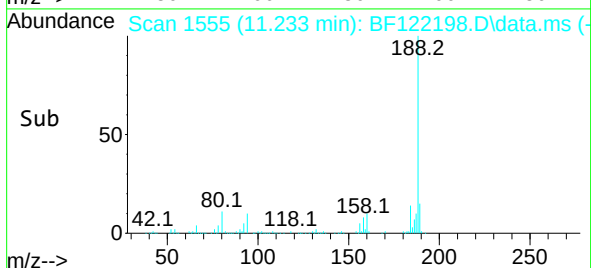
Tgt Ion:165 Resp: 21696
Ion Ratio Lower Upper
165 100
63 0.0 41.3 61.9#
89 1.4 61.8 92.8#
182 0.0 2.1 3.1#

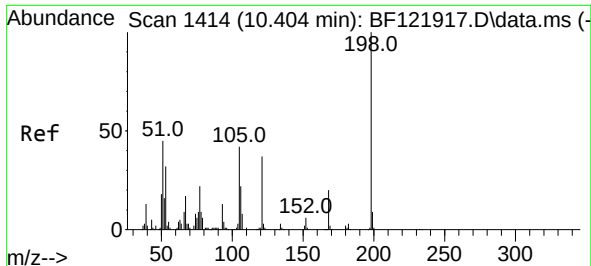


#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.233 min Scan# 1555
Delta R.T. -0.000 min
Lab File: BF122198.D
Acq: 31 Oct 2020 00:27



Tgt Ion:188 Resp: 274501
Ion Ratio Lower Upper
188 100
94 10.0 8.3 12.5
80 10.7 9.1 13.7

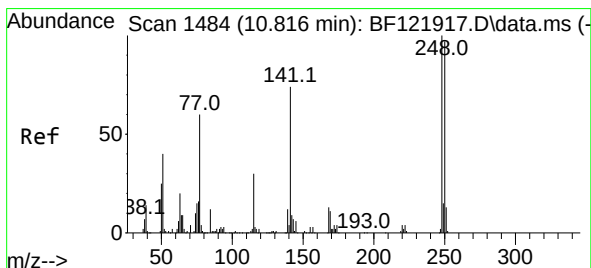
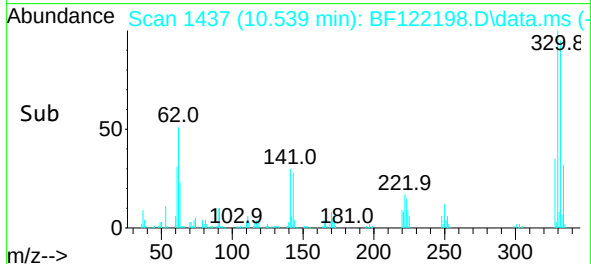
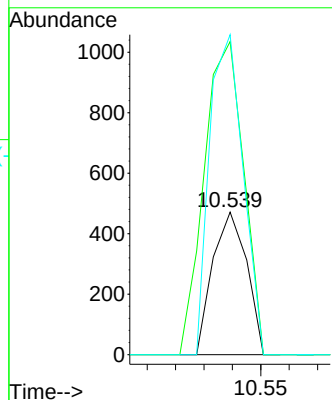
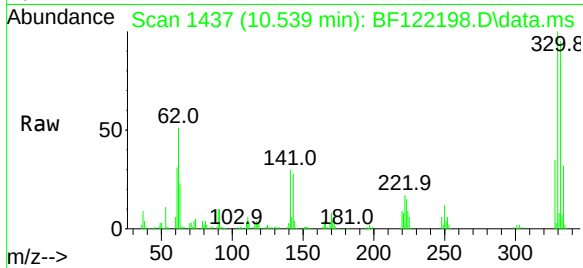




#65
4,6-Dinitro-2-methylphenol
Concen: 4.63 ng
RT: 10.539 min Scan# 1437
Delta R.T. 0.165 min
Lab File: BF122198.D
Acq: 31 Oct 2020 00:27

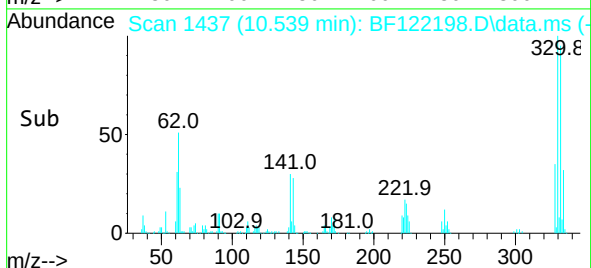
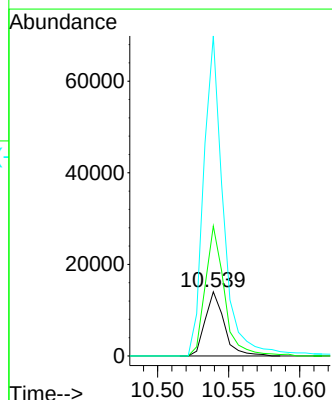
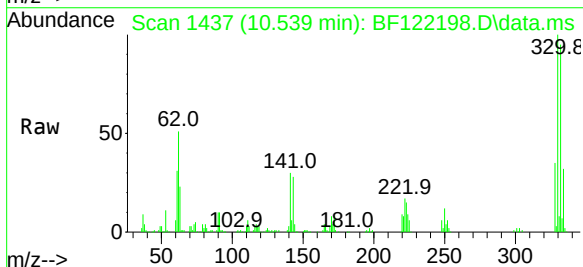
Instrument :
BNA_F
ClientSampled :
124031

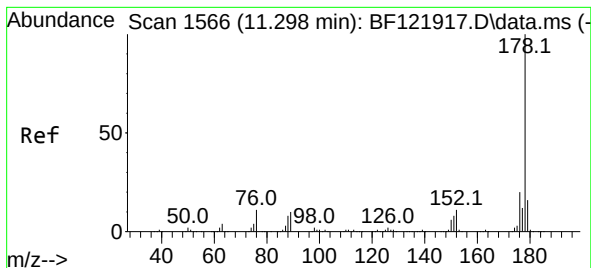
Tgt Ion:198 Resp: 391
Ion Ratio Lower Upper
198 100
51 219.7 29.6 69.6#
105 224.6 24.4 64.4#



#67
4-Bromophenyl-phenylether
Concen: 4.14 ng
RT: 10.539 min Scan# 1437
Delta R.T. -0.235 min
Lab File: BF122198.D
Acq: 31 Oct 2020 00:27

Tgt Ion:248 Resp: 13121
Ion Ratio Lower Upper
248 100
250 202.3 77.0 115.6#
141 498.1 53.7 80.5#

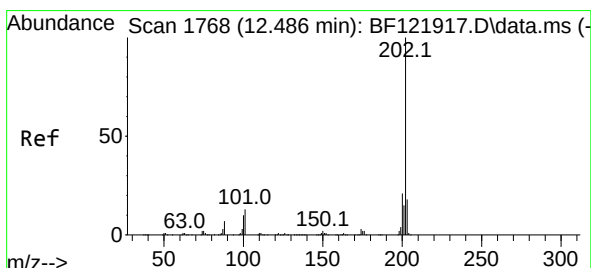
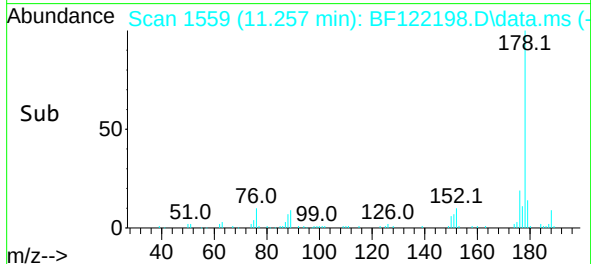
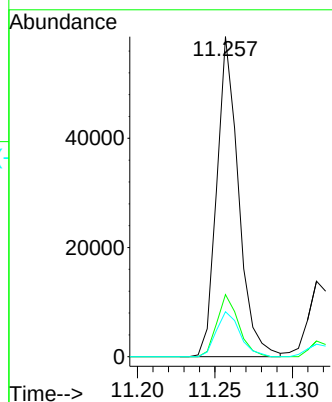
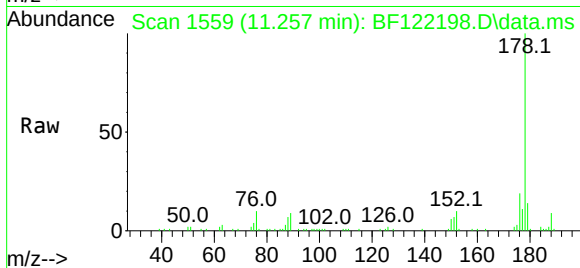




#71
Phenanthrene
Concen: 3.80 ng
RT: 11.257 min Scan# 1559
Delta R.T. -0.006 min
Lab File: BF122198.D
Acq: 31 Oct 2020 00:27

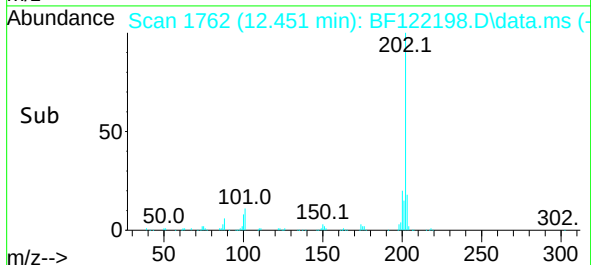
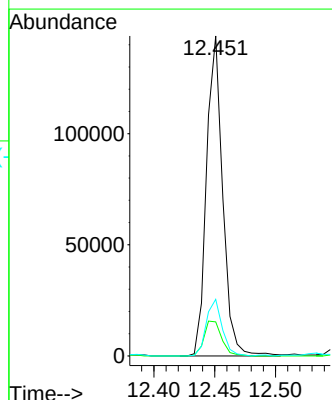
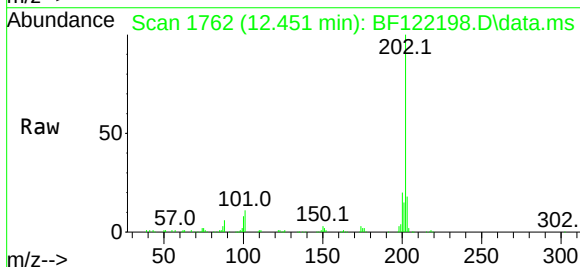
Instrument :
BNA_F
ClientSampleId :
124031

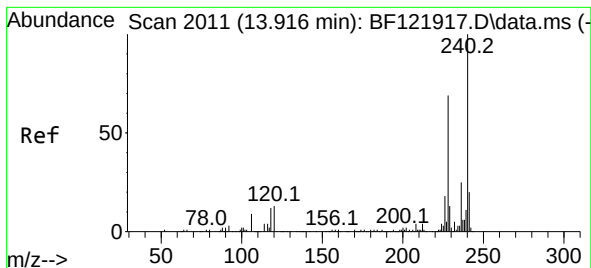
Tgt Ion:178 Resp: 57182
Ion Ratio Lower Upper
178 100
176 19.4 15.9 23.9
179 14.1 12.2 18.4



#75
Fluoranthene
Concen: 8.27 ng
RT: 12.451 min Scan# 1762
Delta R.T. -0.000 min
Lab File: BF122198.D
Acq: 31 Oct 2020 00:27

Tgt Ion:202 Resp: 133422
Ion Ratio Lower Upper
202 100
101 10.7 0.0 33.4
203 17.7 0.0 37.9

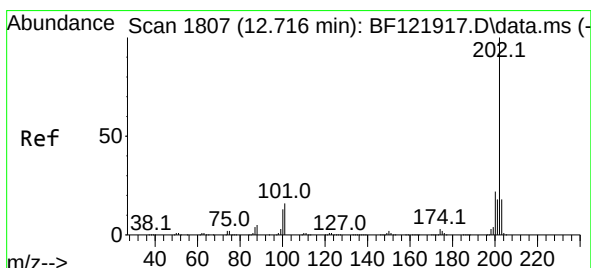
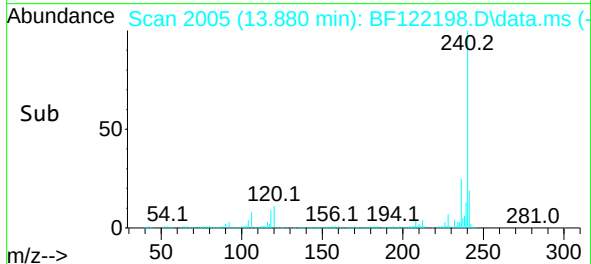
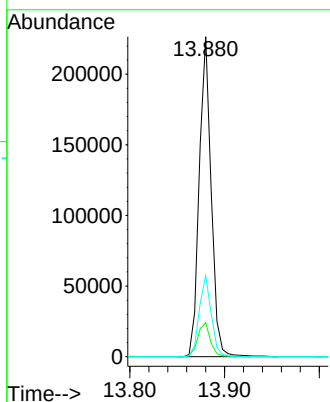
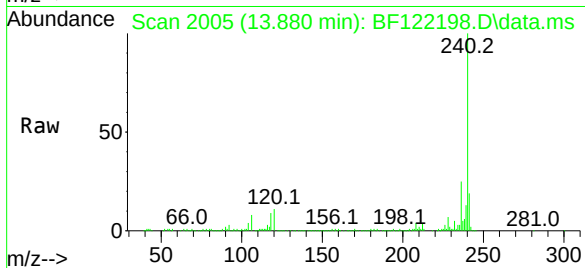




#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.880 min Scan# 2005
Delta R.T. -0.000 min
Lab File: BF122198.D
Acq: 31 Oct 2020 00:27

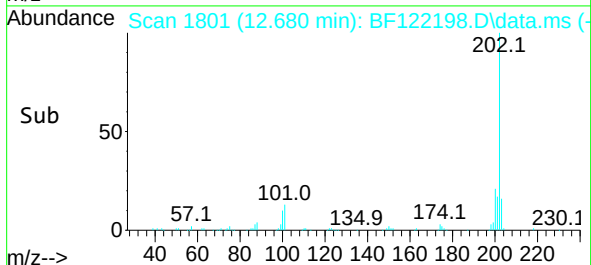
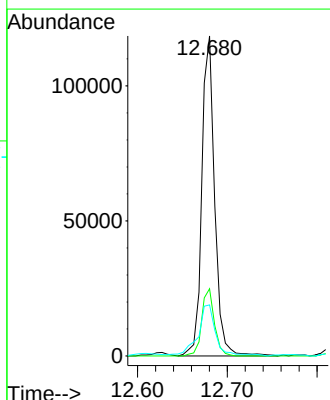
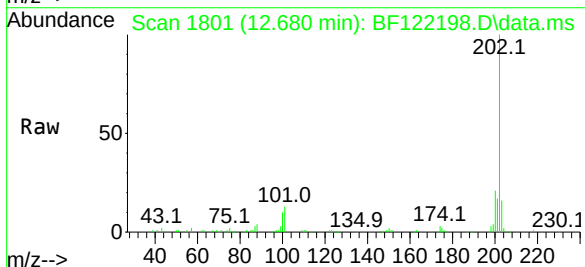
Instrument :
BNA_F
ClientSampleId :
124031

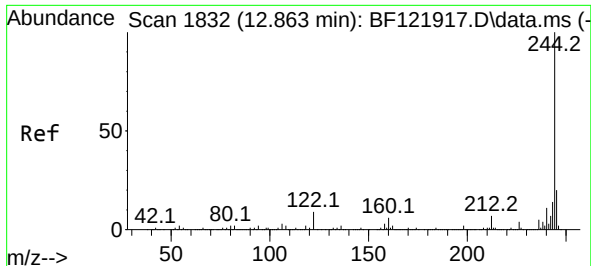
Tgt Ion:240 Resp: 198857
Ion Ratio Lower Upper
240 100
120 10.6 9.2 13.8
236 25.4 20.9 31.3



#78
Pyrene
Concen: 7.78 ng
RT: 12.680 min Scan# 1801
Delta R.T. -0.000 min
Lab File: BF122198.D
Acq: 31 Oct 2020 00:27

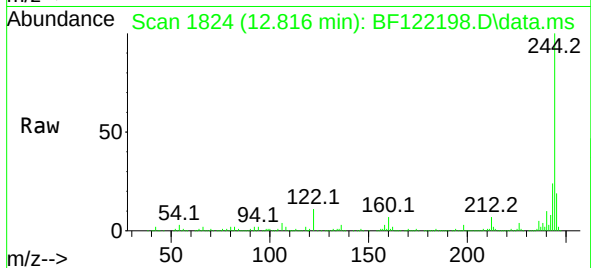
Tgt Ion:202 Resp: 117852
Ion Ratio Lower Upper
202 100
200 21.0 17.4 26.2
203 15.9 14.6 21.8



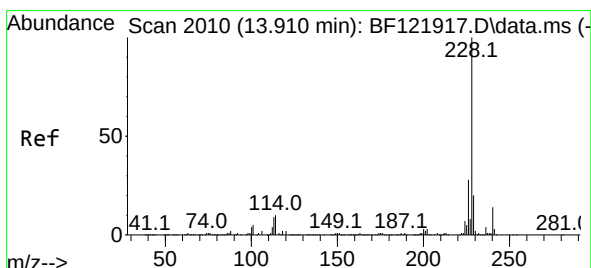
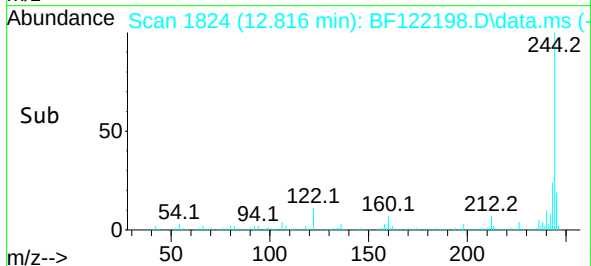
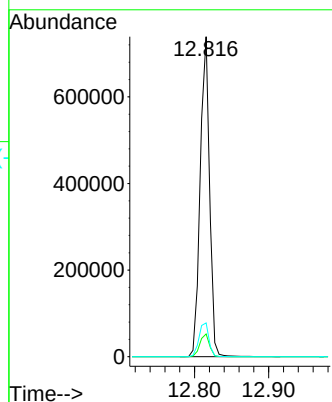


#79
 Terphenyl-d14
 Concen: 61.85 ng
 RT: 12.816 min Scan# 1824
 Delta R.T. -0.000 min
 Lab File: BF122198.D
 Acq: 31 Oct 2020 00:27

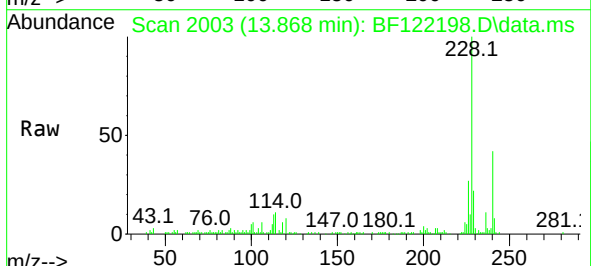
Instrument :
 BNA_F
 ClientSampleId :
 124031



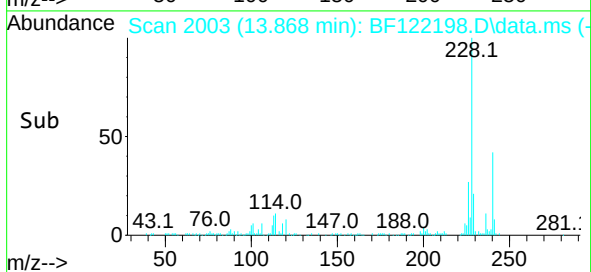
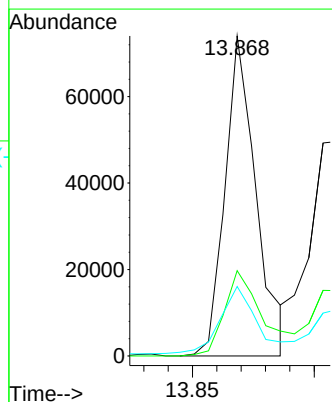
Tgt Ion:244 Resp: 645354
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.4 8.2
 122 10.6 8.1 12.1

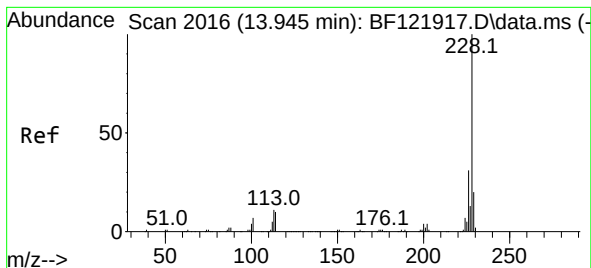


#81
 Benzo(a)anthracene
 Concen: 5.06 ng
 RT: 13.868 min Scan# 2003
 Delta R.T. -0.000 min
 Lab File: BF122198.D
 Acq: 31 Oct 2020 00:27



Tgt Ion:228 Resp: 65958
 Ion Ratio Lower Upper
 228 100
 226 26.7 22.3 33.5
 229 21.7 16.2 24.4





#83

Chrysene

Concen: 4.62 ng

RT: 13.910 min Scan# 2010

Delta R.T. 0.006 min

Lab File: BF122198.D

Acq: 31 Oct 2020 00:27

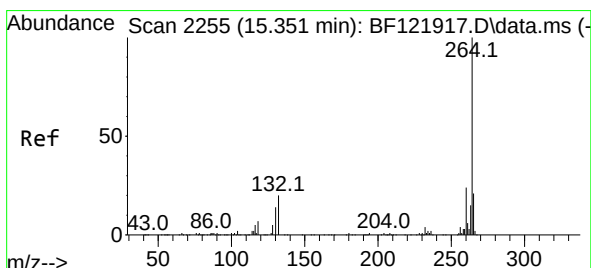
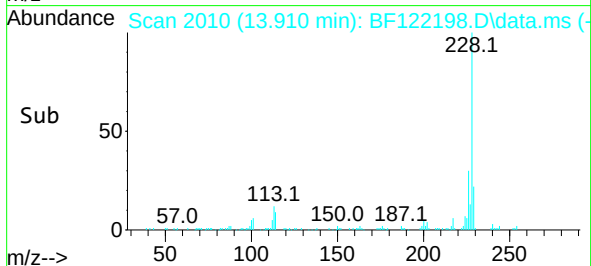
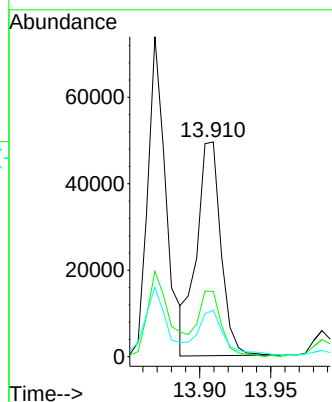
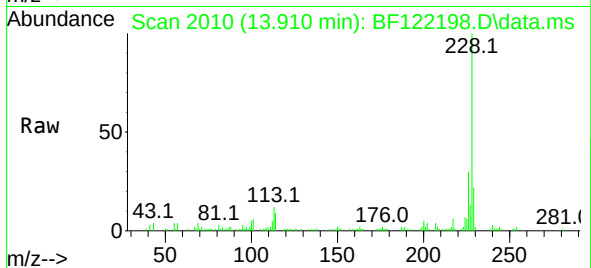
Tgt Ion:228 Resp: 59077

Ion Ratio Lower Upper

228 100

226 30.4 24.6 37.0

229 21.6 15.9 23.9



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.315 min Scan# 2249

Delta R.T. 0.012 min

Lab File: BF122198.D

Acq: 31 Oct 2020 00:27

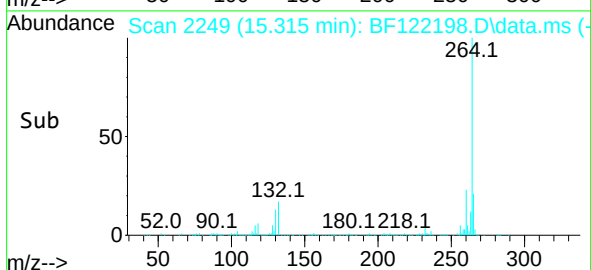
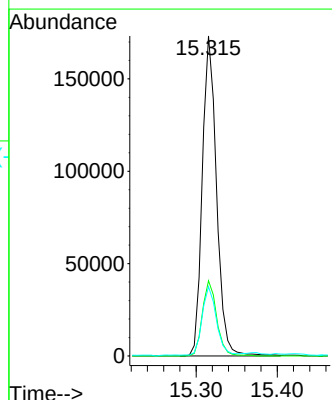
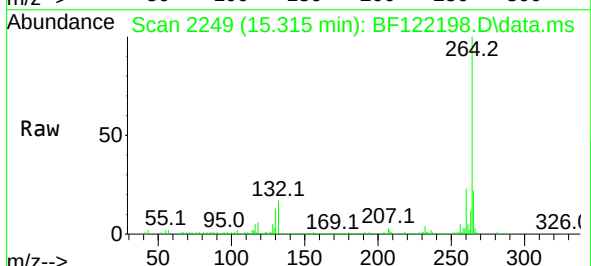
Tgt Ion:264 Resp: 211396

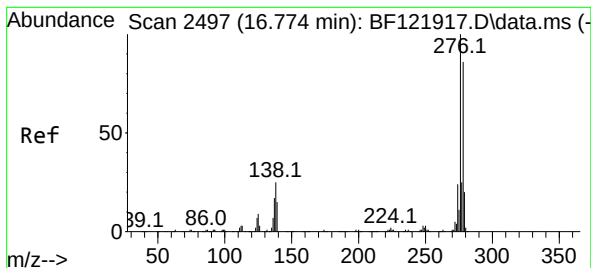
Ion Ratio Lower Upper

264 100

260 23.5 18.7 28.1

265 21.7 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.56 ng

RT: 16.745 min Scan# 2492

Delta R.T. 0.029 min

Lab File: BF122198.D

Acq: 31 Oct 2020 00:27

Tgt Ion:276 Resp: 35122

Ion Ratio Lower Upper

276 100

138 24.1 19.9 29.9

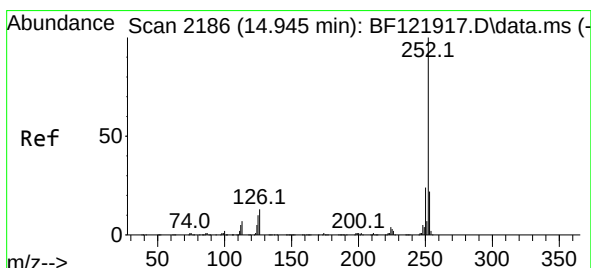
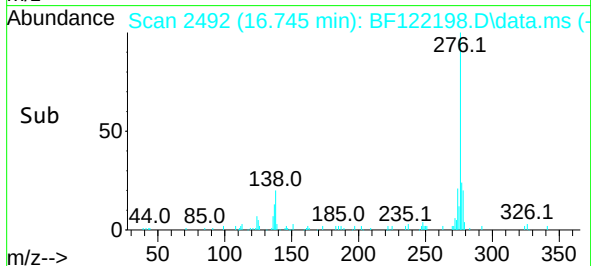
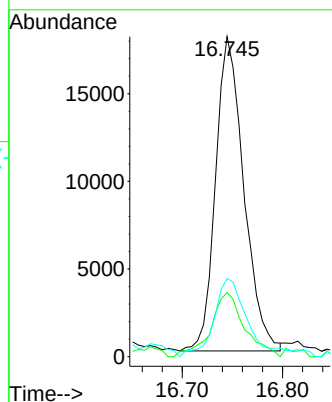
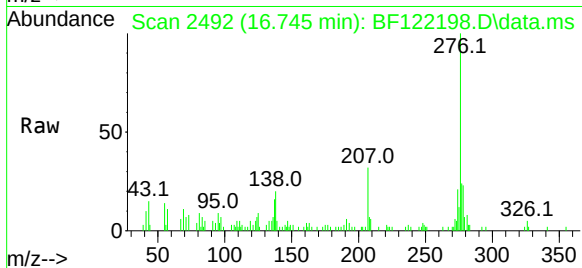
277 29.2 20.4 30.6

Instrument :

BNA_F

ClientSampleId :

124031



#88

Benzo(b)fluoranthene

Concen: 7.83 ng

RT: 14.909 min Scan# 2180

Delta R.T. 0.012 min

Lab File: BF122198.D

Acq: 31 Oct 2020 00:27

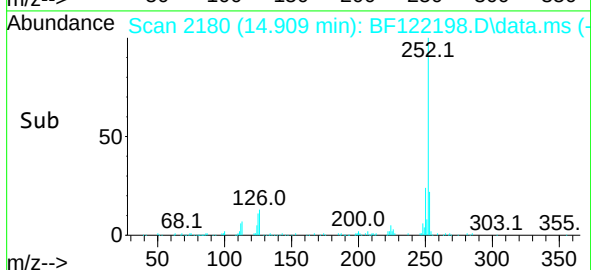
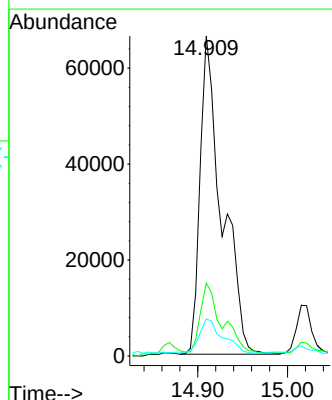
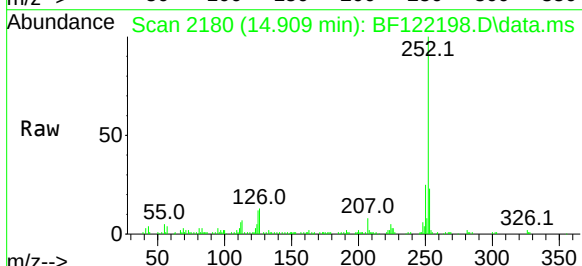
Tgt Ion:252 Resp: 111842

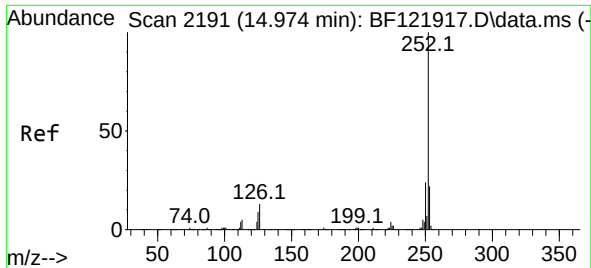
Ion Ratio Lower Upper

252 100

253 22.8 18.2 27.2

125 11.5 8.0 12.0

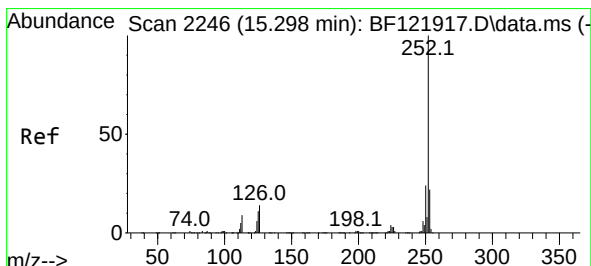
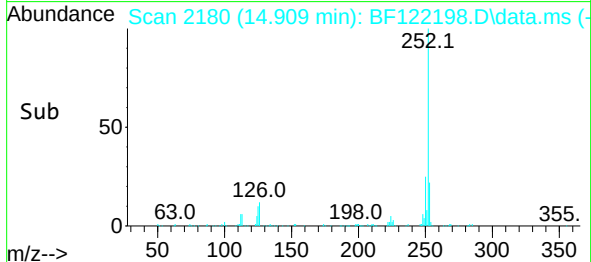
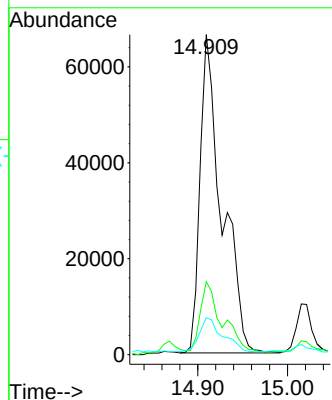
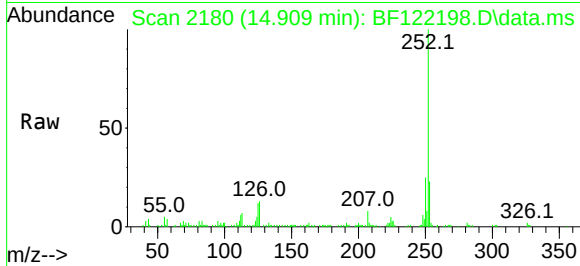




#89
Benzo(k)fluoranthene
Concen: 8.24 ng
RT: 14.909 min Scan# 2180
Delta R.T. -0.018 min
Lab File: BF122198.D
Acq: 31 Oct 2020 00:27

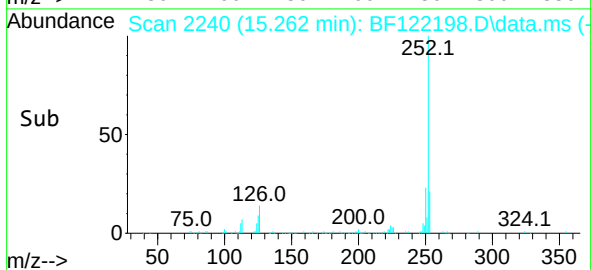
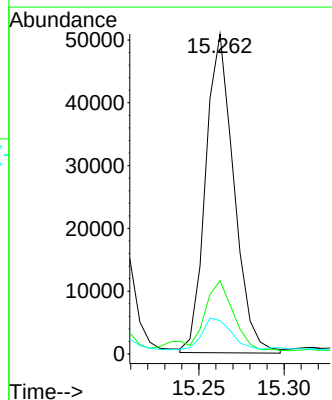
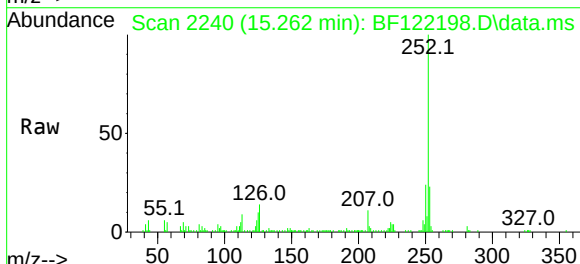
Instrument :
BNA_F
ClientSampled :
124031

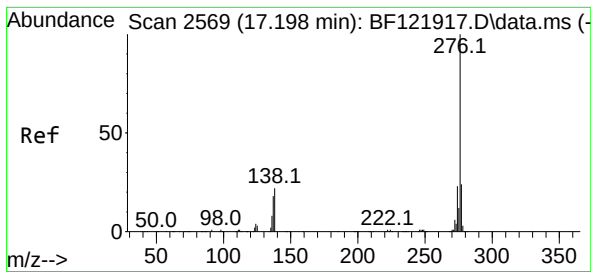
Tgt Ion:252 Resp: 111842
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.6
125 11.5 7.7 11.5#



#90
Benzo(a)pyrene
Concen: 4.74 ng
RT: 15.262 min Scan# 2240
Delta R.T. 0.012 min
Lab File: BF122198.D
Acq: 31 Oct 2020 00:27

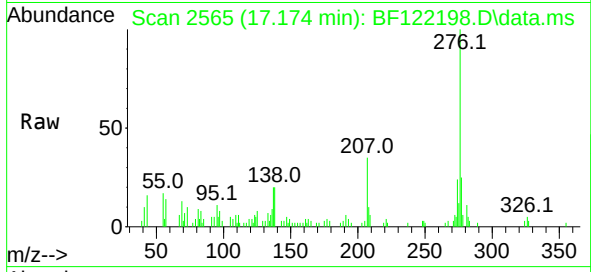
Tgt Ion:252 Resp: 58549
Ion Ratio Lower Upper
252 100
253 22.9 17.3 25.9
125 10.4 8.6 13.0





#92
Benzo(g,h,i)perylene
Concen: 3.00 ng
RT: 17.174 min Scan# 2565
Delta R.T. 0.041 min
Lab File: BF122198.D
Acq: 31 Oct 2020 00:27

Instrument :
BNA_F
ClientSampleId :
124031



Tgt Ion:	276	Resp:	33932
Ion Ratio	Lower	Upper	
276	100		
277	24.5	19.4	29.2
138	20.1	17.8	26.6

