

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103020\
 Data File : BF122193.D
 Acq On : 30 Oct 2020 21:51
 Operator : JU/CG
 Sample : L4541-10
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 2015

Quant Time: Oct 31 02:57:12 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)

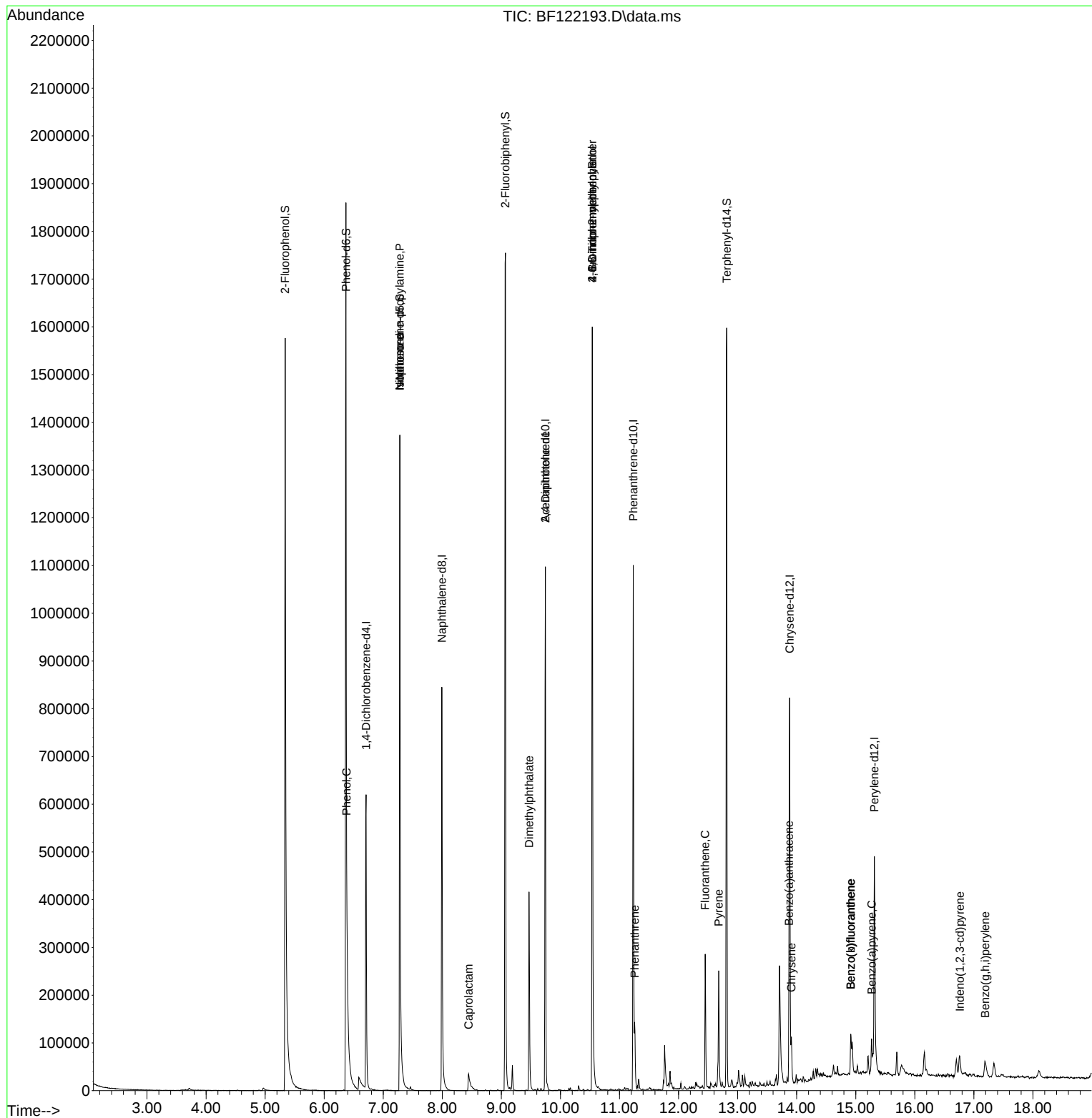
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.710	152	103751	20.00	ng	0.00
21) Naphthalene-d8	7.992	136	419435	20.00	ng	0.00
39) Acenaphthene-d10	9.745	164	219477	20.00	ng	0.00
64) Phenanthrene-d10	11.233	188	407602	20.00	ng	0.00
76) Chrysene-d12	13.880	240	269934	20.00	ng	0.00
86) Perylene-d12	15.315	264	218963	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	601323	85.54	ng	0.00
7) Phenol-d6	6.369	99	761420	84.14	ng	0.00
23) Nitrobenzene-d5	7.281	82	490578	59.98	ng	0.00
42) 2,4,6-Tribromophenol	10.539	330	211444	77.88	ng	0.00
45) 2-Fluorobiphenyl	9.069	172	626456	42.00	ng	0.00
79) Terphenyl-d14	12.816	244	512929	36.21	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.369	77	1346	Below Cal	#	3
10) Phenol	6.381	94	33622	3.60	ng	# 78
19) n-Nitroso-di-n-propyla...	7.281	70	65157	12.65	ng	# 79
25) Isophorone	7.281	82	490578	31.72	ng	# 67
35) Caprolactam	8.445	113	8766	4.30	ng	95
50) Dimethylphthalate	9.469	163	173588	10.82	ng	99
57) 2,4-Dinitrotoluene	9.745	165	27225	6.28	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.539	198	324	4.54	ng	# 1
67) 4-Bromophenyl-phenylether	10.539	248	12592	2.67	ng	# 1
71) Phenanthrene	11.257	178	56545	2.53	ng	99
75) Fluoranthene	12.451	202	116467	4.86	ng	97
78) Pyrene	12.680	202	98545	4.79	ng	98
81) Benzo(a)anthracene	13.868	228	44562	2.52	ng	96
83) Chrysene	13.910	228	40227	2.32	ng	98
87) Indeno(1,2,3-cd)pyrene	16.762	276	32401	2.28	ng	96
88) Benzo(b)fluoranthene	14.915	252	63652	4.30	ng	# 96
89) Benzo(k)fluoranthene	14.915	252	63652	4.53	ng	# 96
90) Benzo(a)pyrene	15.268	252	33059	2.59	ng	94
92) Benzo(g,h,i)perylene	17.192	276	30892	2.64	ng	98

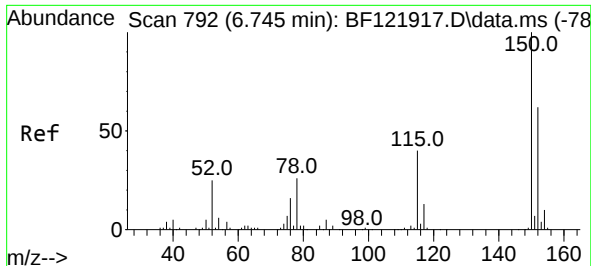
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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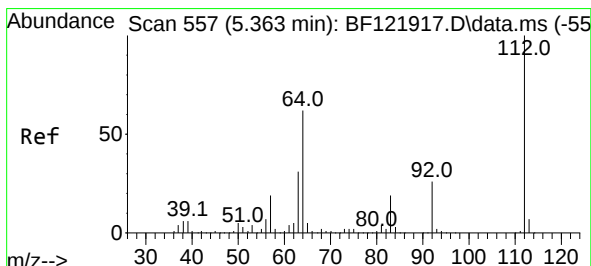
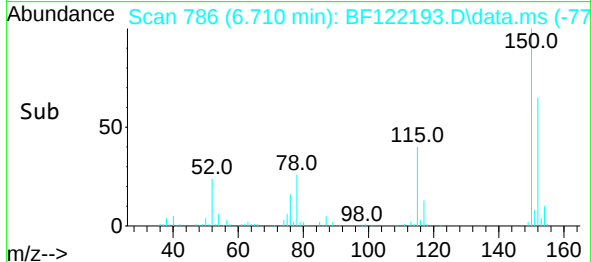
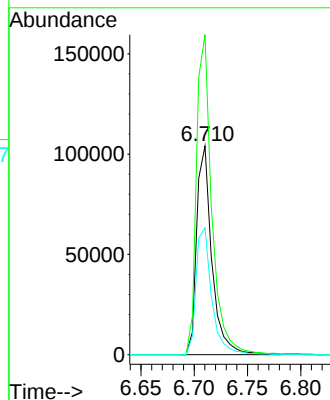
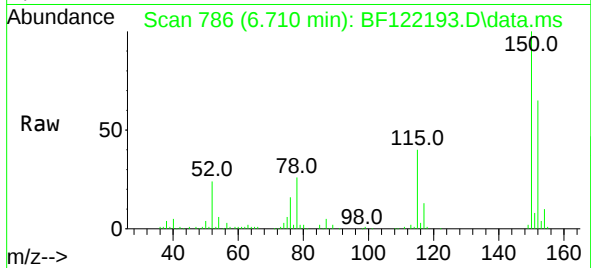




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.710 min Scan# 786
Delta R.T. -0.006 min
Lab File: BF122193.D
Acq: 30 Oct 2020 21:51

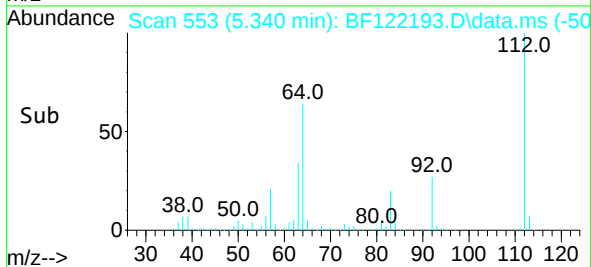
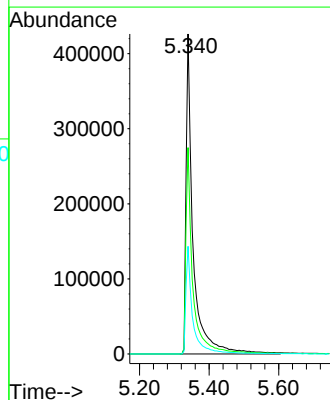
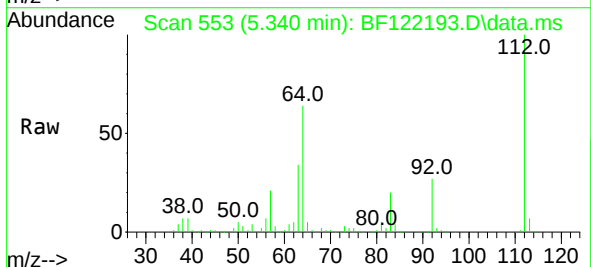
Instrument :
BNA_F
ClientSampleId :
2015

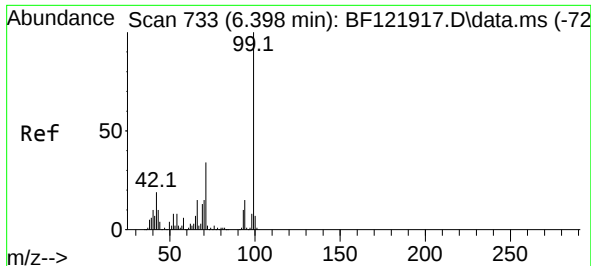
Tgt Ion:152 Resp: 103751
Ion Ratio Lower Upper
152 100
150 153.4 125.3 187.9
115 60.8 51.9 77.9



#5
2-Fluorophenol
Concen: 85.54 ng
RT: 5.340 min Scan# 553
Delta R.T. 0.006 min
Lab File: BF122193.D
Acq: 30 Oct 2020 21:51

Tgt Ion:112 Resp: 601323
Ion Ratio Lower Upper
112 100
64 64.5 50.4 75.6
63 33.6 25.8 38.6

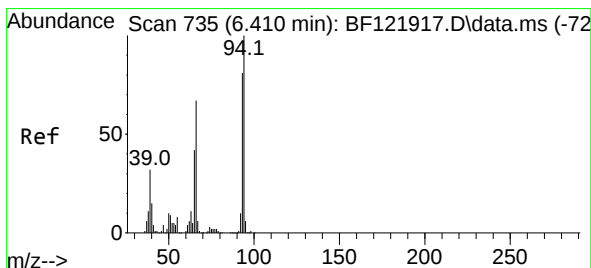
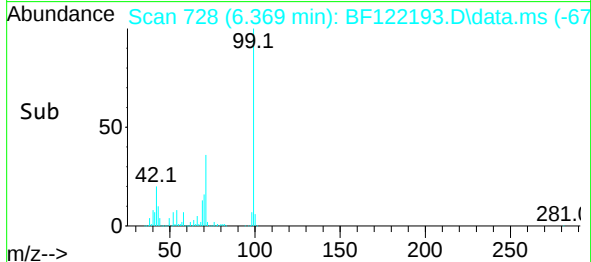
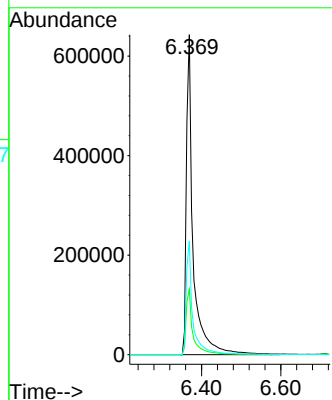
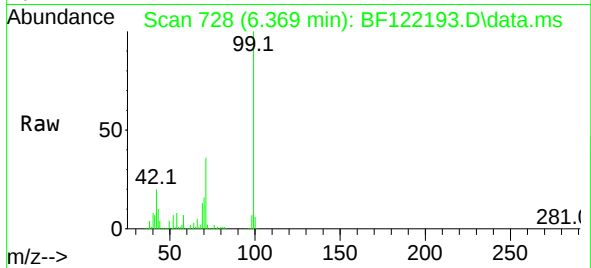




#7
Phenol-d6
Concen: 84.14 ng
RT: 6.369 min Scan# 728
Delta R.T. -0.000 min
Lab File: BF122193.D
Acq: 30 Oct 2020 21:51

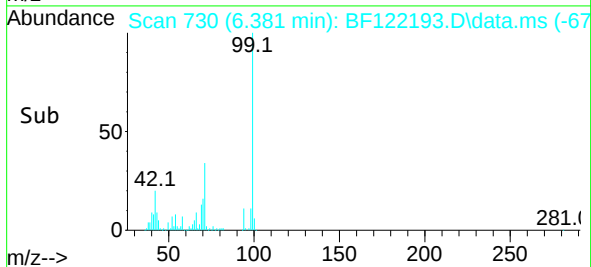
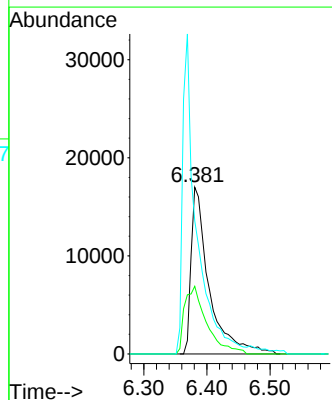
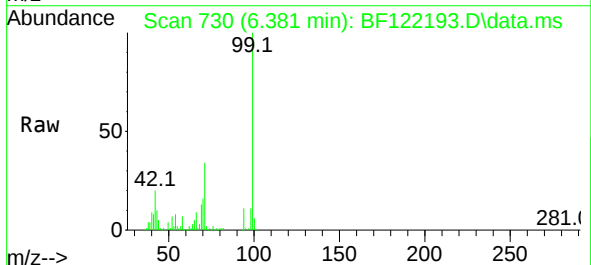
Instrument :
BNA_F
ClientSampled :
2015

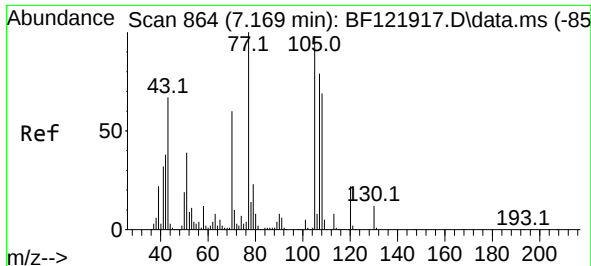
Tgt Ion: 99 Resp: 761420
Ion Ratio Lower Upper
99 100
42 20.4 15.9 23.9
71 35.5 27.1 40.7



#10
Phenol
Concen: 3.60 ng
RT: 6.381 min Scan# 730
Delta R.T. -0.000 min
Lab File: BF122193.D
Acq: 30 Oct 2020 21:51

Tgt Ion: 94 Resp: 33622
Ion Ratio Lower Upper
94 100
65 40.6 17.1 57.1
66 79.9 36.0 76.0#



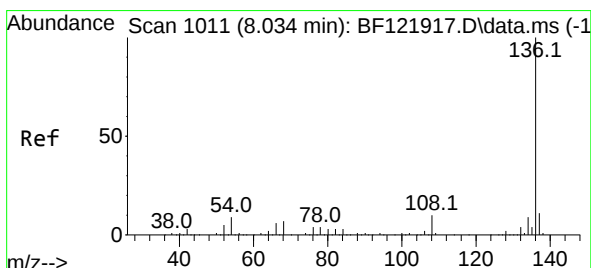
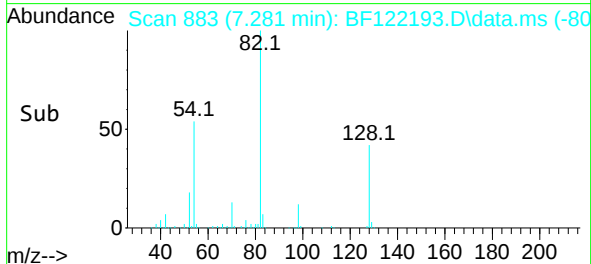
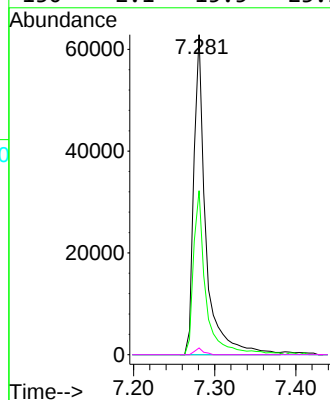
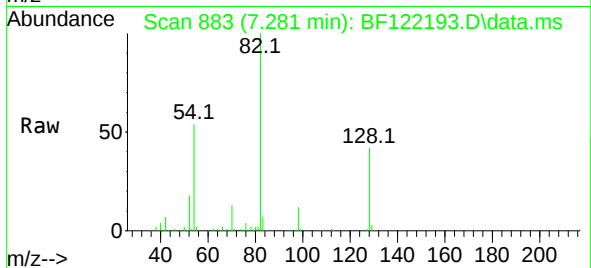


#19

n-Nitroso-di-n-propylamine
Concen: 12.65 ng
RT: 7.281 min Scan# 883
Delta R.T. 0.141 min
Lab File: BF122193.D
Acq: 30 Oct 2020 21:51

Instrument :
BNA_F
ClientSampled :
2015

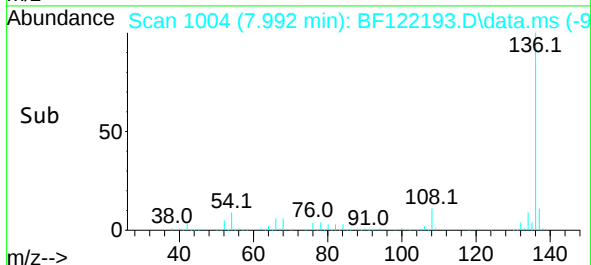
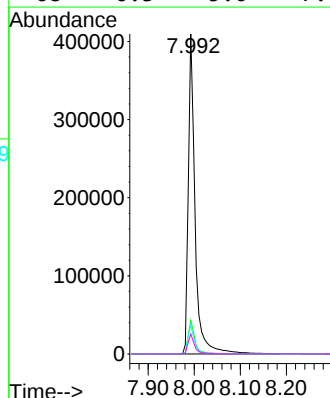
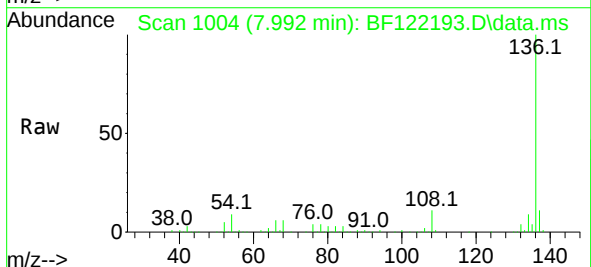
Tgt Ion: 70 Resp: 65157
Ion Ratio Lower Upper
70 100
42 51.3 50.2 75.4
101 0.0 7.5 11.3#
130 2.1 15.5 23.3#

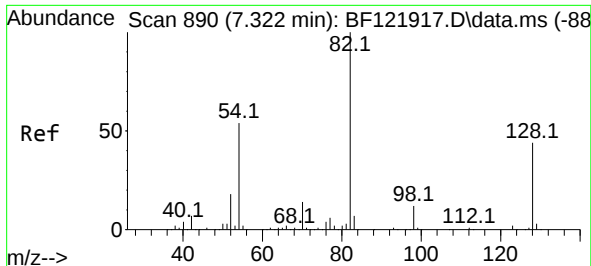


#21

Naphthalene-d8
Concen: 20.00 ng
RT: 7.992 min Scan# 1004
Delta R.T. -0.006 min
Lab File: BF122193.D
Acq: 30 Oct 2020 21:51

Tgt Ion: 136 Resp: 419435
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 9.1 7.1 10.7
68 6.3 5.0 7.4





#23

Nitrobenzene-d5

Concen: 59.98 ng

RT: 7.281 min Scan# 883

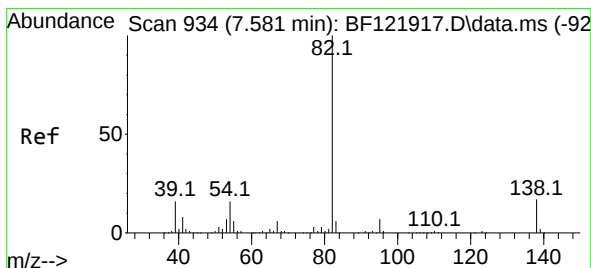
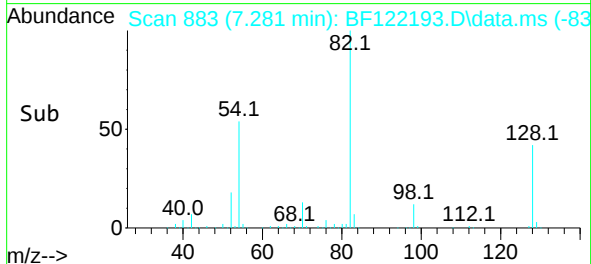
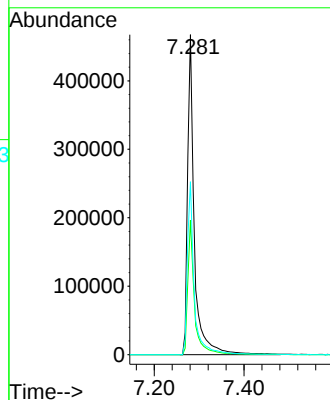
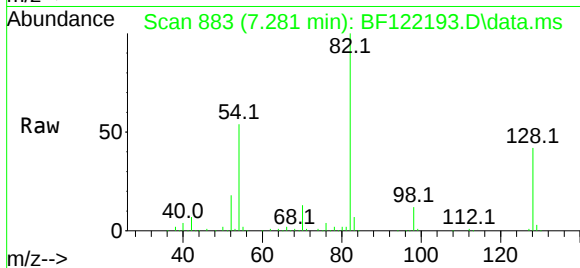
Delta R.T. -0.006 min

Lab File: BF122193.D

Acq: 30 Oct 2020 21:51

Tgt Ion: 82 Resp: 490578

Ion	Ratio	Lower	Upper
82	100		
128	42.0	35.0	52.4
54	54.1	43.9	65.9



#25

Isophorone

Concen: 31.72 ng

RT: 7.281 min Scan# 883

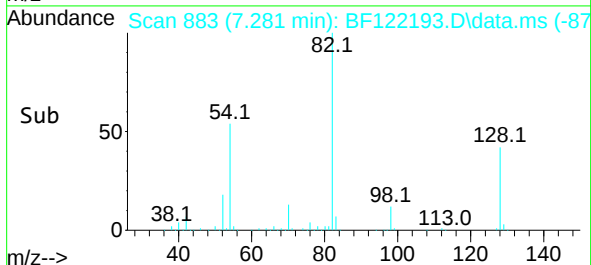
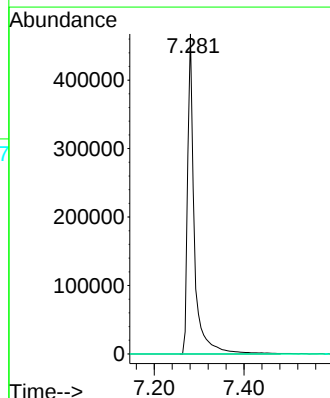
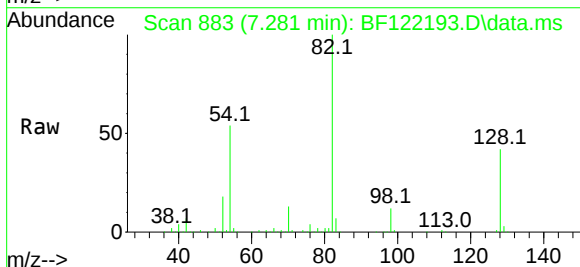
Delta R.T. -0.265 min

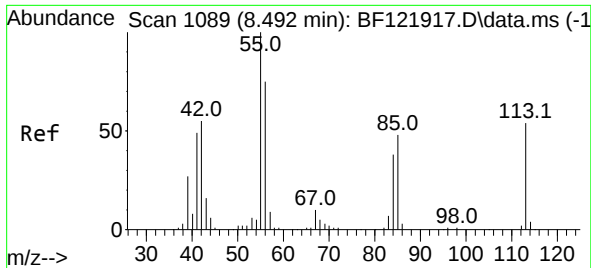
Lab File: BF122193.D

Acq: 30 Oct 2020 21:51

Tgt Ion: 82 Resp: 490578

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

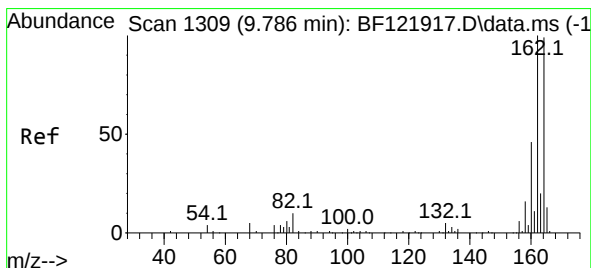
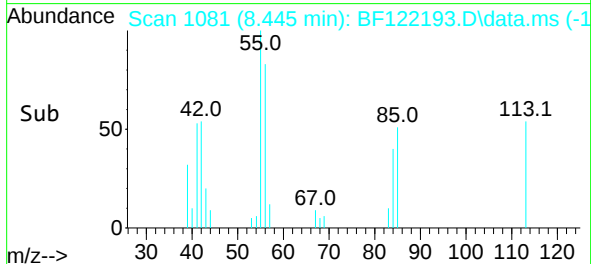
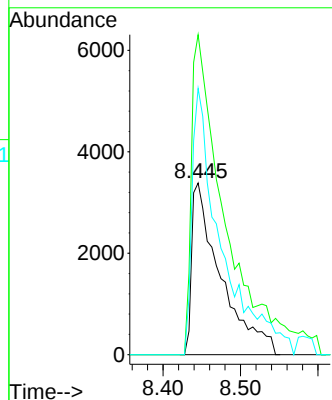
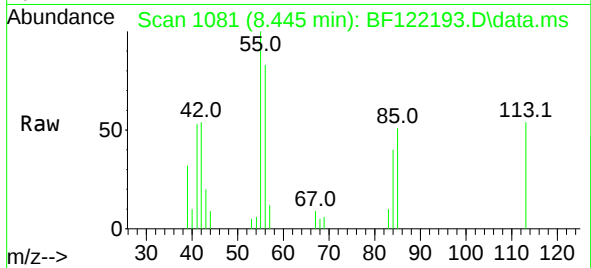




#35
Caprolactam
Concen: 4.30 ng
RT: 8.445 min Scan# 1081
Delta R.T. -0.018 min
Lab File: BF122193.D
Acq: 30 Oct 2020 21:51

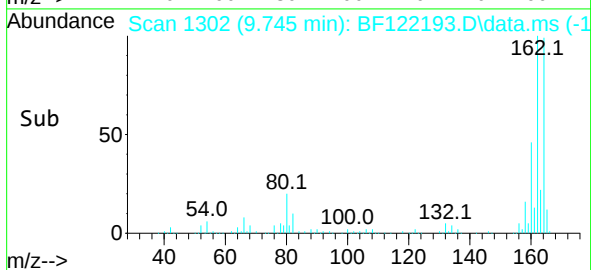
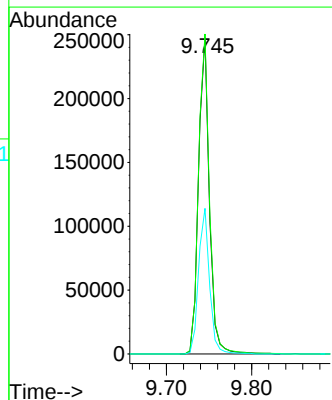
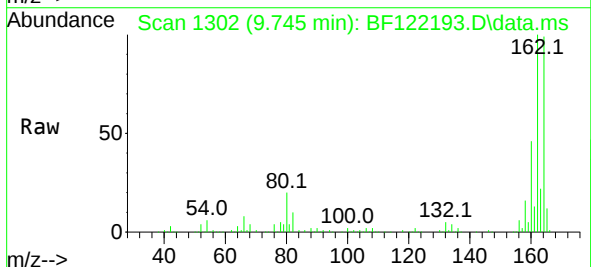
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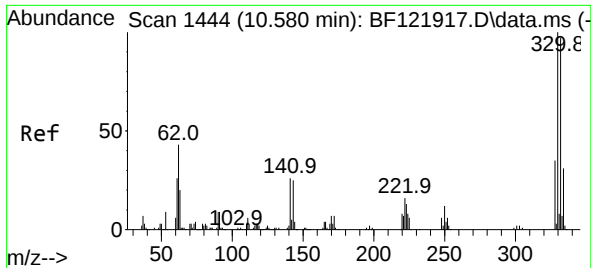
Tgt Ion:113 Resp: 8766
Ion Ratio Lower Upper
113 100
55 186.4 167.5 207.5
56 155.1 121.2 161.2



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.745 min Scan# 1302
Delta R.T. -0.006 min
Lab File: BF122193.D
Acq: 30 Oct 2020 21:51

Tgt Ion:164 Resp: 219477
Ion Ratio Lower Upper
164 100
162 101.1 83.2 124.8
160 46.0 37.5 56.3

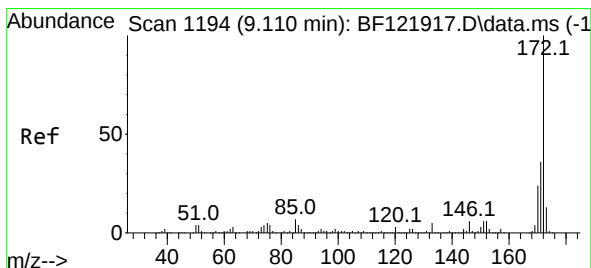
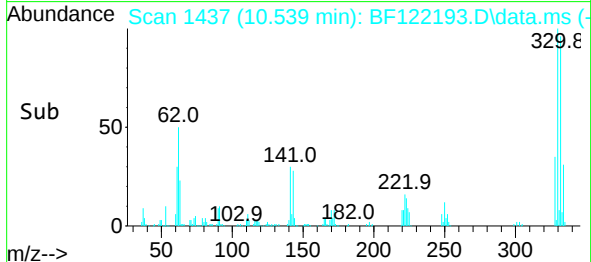
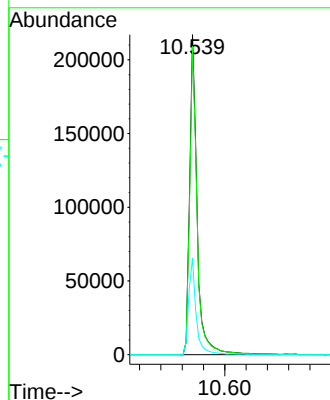
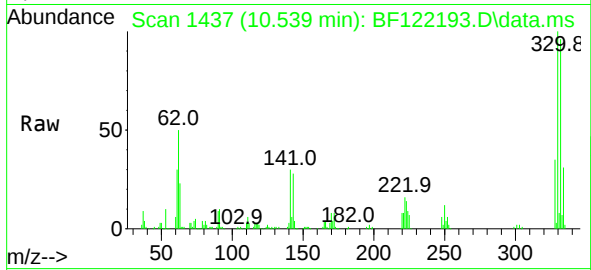




#42
2,4,6-Tribromophenol
Concen: 77.88 ng
RT: 10.539 min Scan# 1437
Delta R.T. -0.006 min
Lab File: BF122193.D
Acq: 30 Oct 2020 21:51

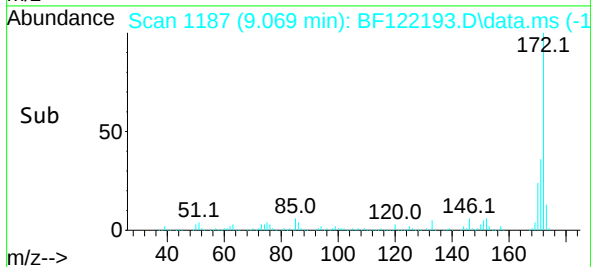
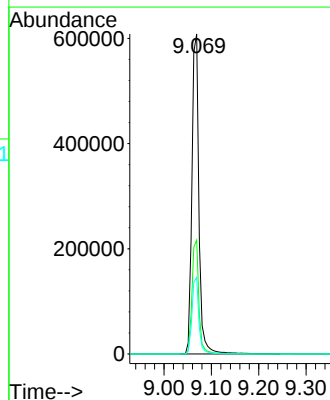
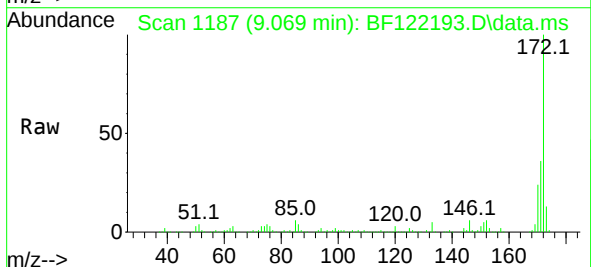
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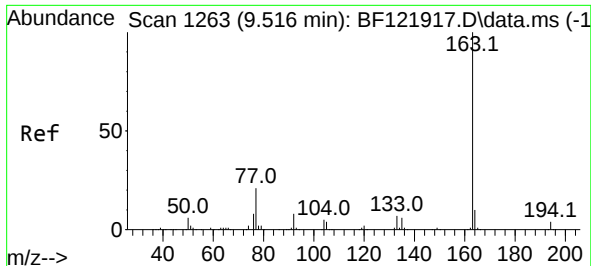
Tgt Ion:330 Resp: 211444
Ion Ratio Lower Upper
330 100
332 96.0 77.3 115.9
141 30.5 22.3 33.5



#45
2-Fluorobiphenyl
Concen: 42.00 ng
RT: 9.069 min Scan# 1187
Delta R.T. -0.006 min
Lab File: BF122193.D
Acq: 30 Oct 2020 21:51

Tgt Ion:172 Resp: 626456
Ion Ratio Lower Upper
172 100
171 35.6 29.1 43.7
170 23.9 19.8 29.6

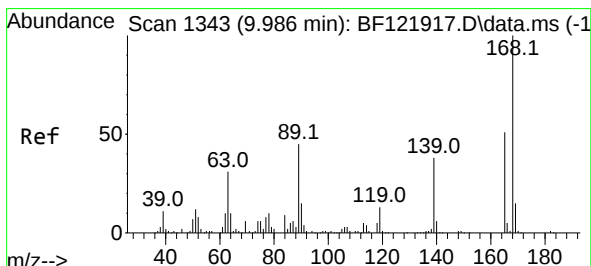
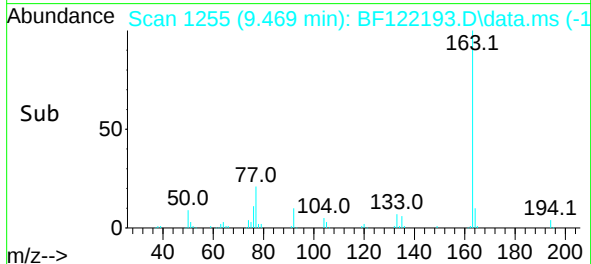
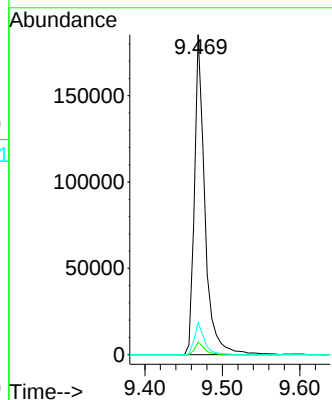
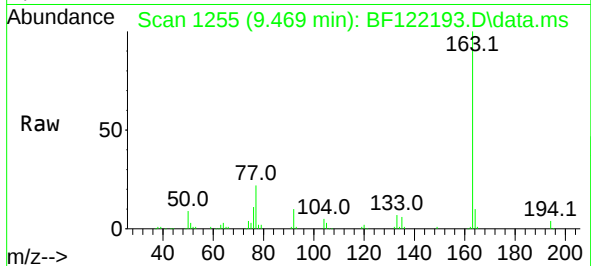




#50
Dimethylphthalate
Concen: 10.82 ng
RT: 9.469 min Scan# 1255
Delta R.T. -0.012 min
Lab File: BF122193.D
Acq: 30 Oct 2020 21:51

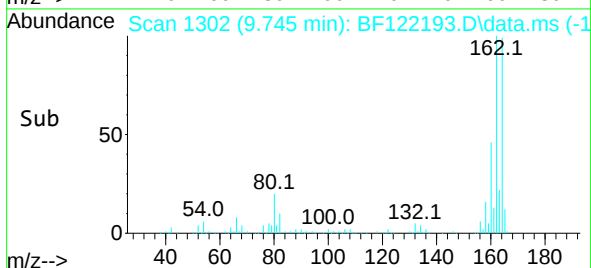
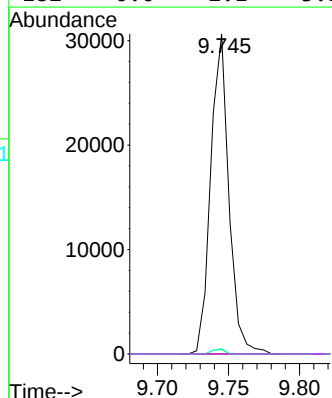
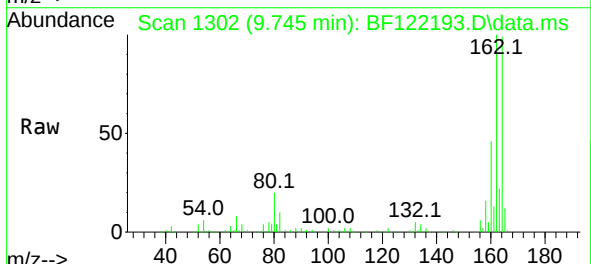
Instrument :
BNA_F
ClientSampleId :
2015

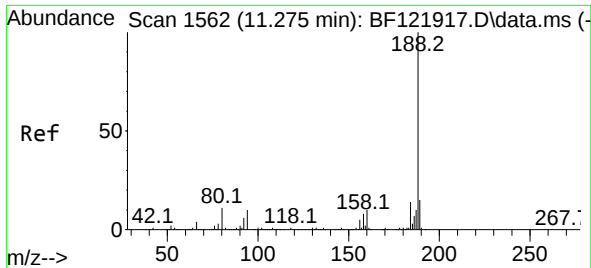
Tgt Ion:163 Resp: 173588
Ion Ratio Lower Upper
163 100
194 3.9 3.3 4.9
164 9.9 8.2 12.4



#57
2,4-Dinitrotoluene
Concen: 6.28 ng
RT: 9.745 min Scan# 1302
Delta R.T. -0.218 min
Lab File: BF122193.D
Acq: 30 Oct 2020 21:51

Tgt Ion:165 Resp: 27225
Ion Ratio Lower Upper
165 100
63 1.4 41.3 61.9#
89 1.6 61.8 92.8#
182 0.0 2.1 3.1#

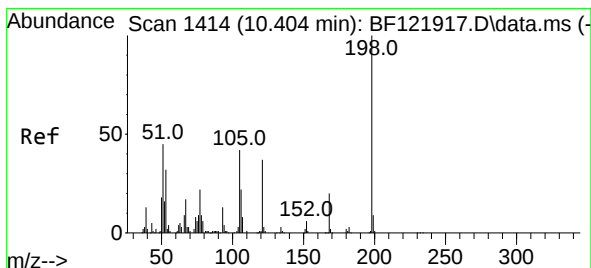
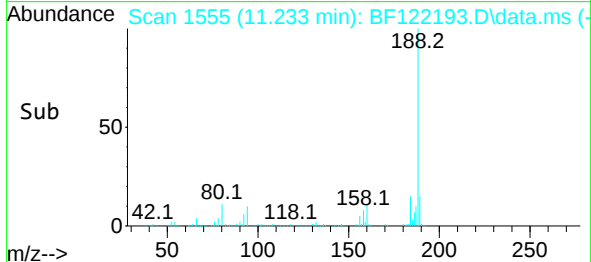
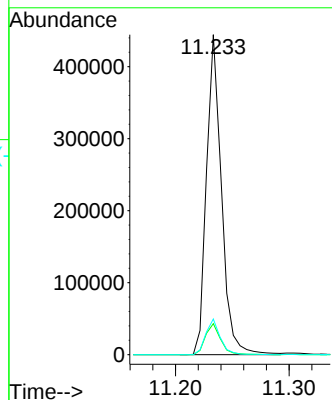
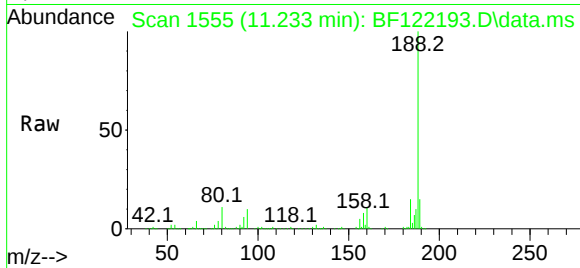




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.233 min Scan# 1555
Delta R.T. -0.000 min
Lab File: BF122193.D
Acq: 30 Oct 2020 21:51

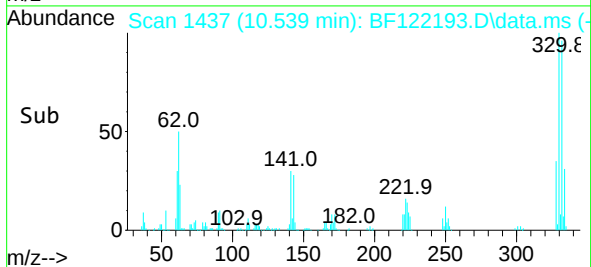
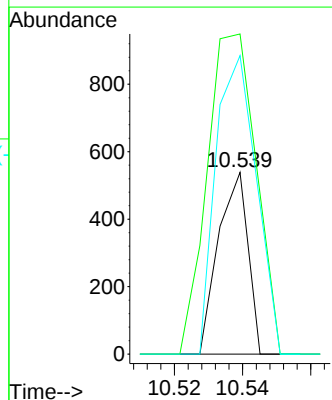
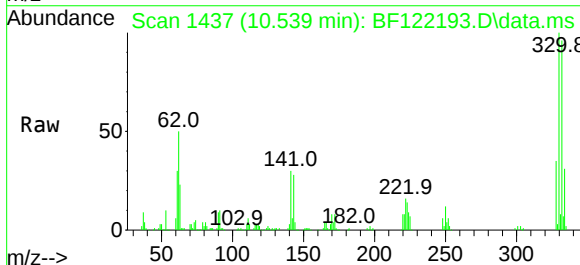
Instrument :
BNA_F
ClientSampleId :
2015

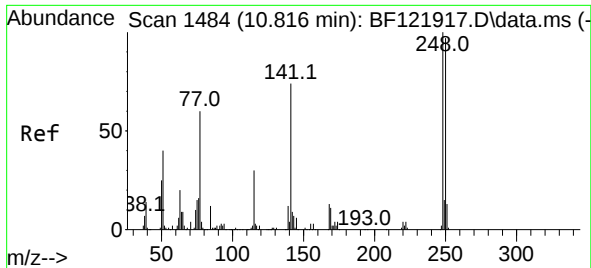
Tgt Ion:188 Resp: 407602
Ion Ratio Lower Upper
188 100
94 9.7 8.3 12.5
80 11.1 9.1 13.7



#65
4,6-Dinitro-2-methylphenol
Concen: 4.54 ng
RT: 10.539 min Scan# 1437
Delta R.T. 0.165 min
Lab File: BF122193.D
Acq: 30 Oct 2020 21:51

Tgt Ion:198 Resp: 324
Ion Ratio Lower Upper
198 100
51 176.1 29.6 69.6#
105 164.2 24.4 64.4#

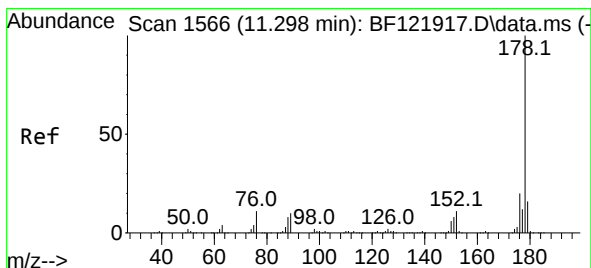
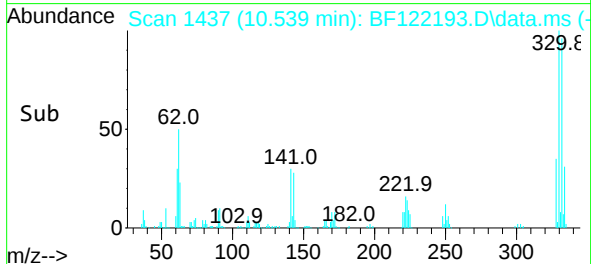
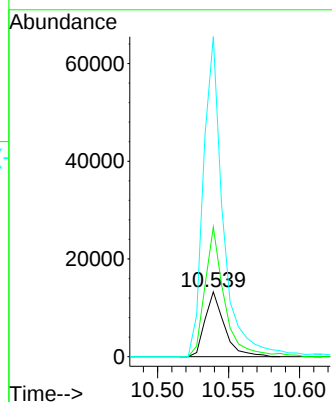
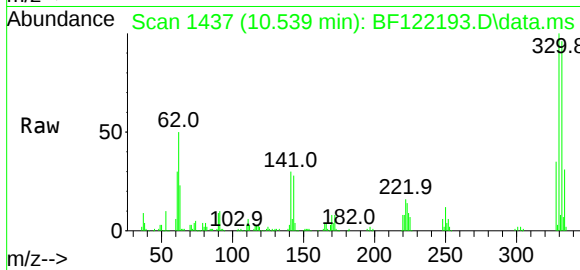




#67
4-Bromophenyl-phenylether
Concen: 2.67 ng
RT: 10.539 min Scan# 1437
Delta R.T. -0.235 min
Lab File: BF122193.D
Acq: 30 Oct 2020 21:51

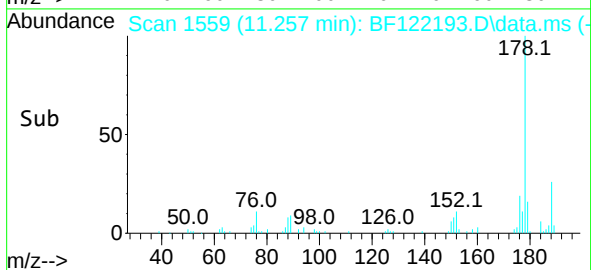
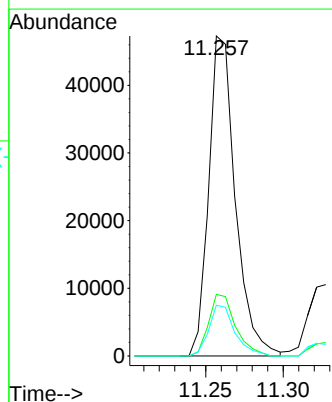
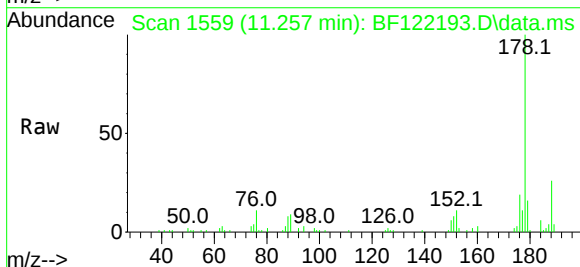
Instrument :
BNA_F
ClientSampleId :
2015

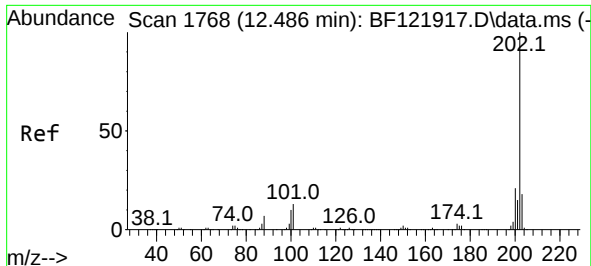
Tgt Ion:248 Resp: 12592
Ion Ratio Lower Upper
248 100
250 200.3 77.0 115.6#
141 494.2 53.7 80.5#



#71
Phenanthrene
Concen: 2.53 ng
RT: 11.257 min Scan# 1559
Delta R.T. -0.006 min
Lab File: BF122193.D
Acq: 30 Oct 2020 21:51

Tgt Ion:178 Resp: 56545
Ion Ratio Lower Upper
178 100
176 19.2 15.9 23.9
179 15.8 12.2 18.4

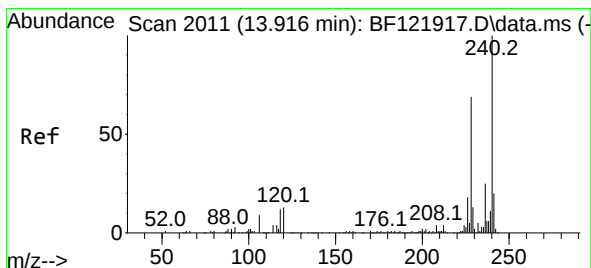
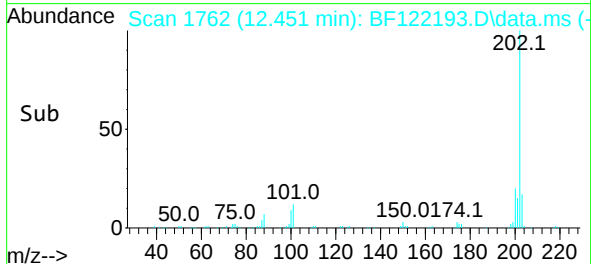
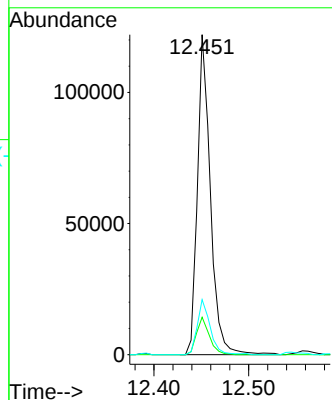
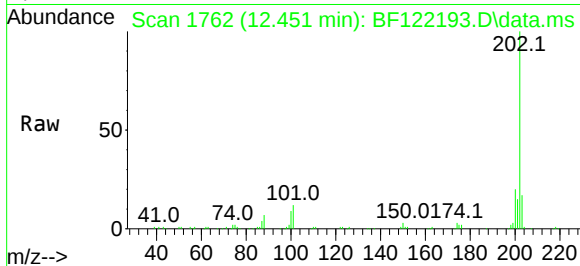




#75
Fluoranthene
Concen: 4.86 ng
RT: 12.451 min Scan# 1762
Delta R.T. -0.000 min
Lab File: BF122193.D
Acq: 30 Oct 2020 21:51

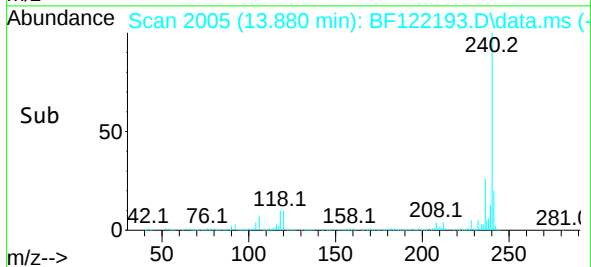
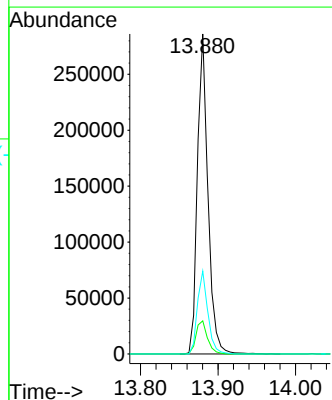
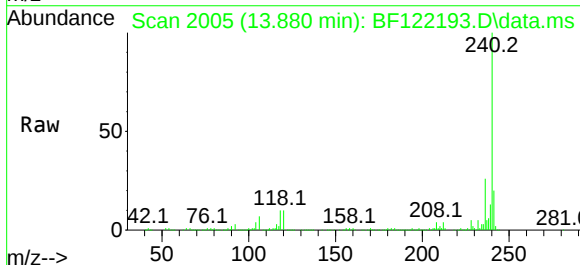
Instrument :
BNA_F
ClientSampleId :
2015

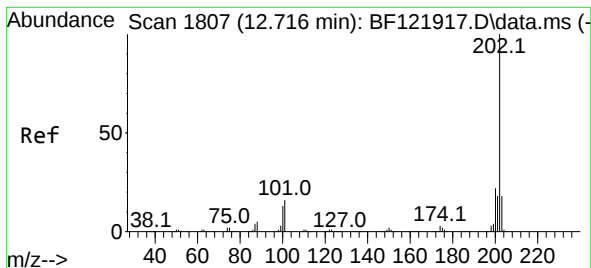
Tgt Ion:202 Resp: 116467
Ion Ratio Lower Upper
202 100
101 11.7 0.0 33.4
203 17.2 0.0 37.9



#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.880 min Scan# 2005
Delta R.T. -0.000 min
Lab File: BF122193.D
Acq: 30 Oct 2020 21:51

Tgt Ion:240 Resp: 269934
Ion Ratio Lower Upper
240 100
120 10.4 9.2 13.8
236 25.9 20.9 31.3





#78

Pyrene

Concen: 4.79 ng

RT: 12.680 min Scan# 1801

Delta R.T. -0.000 min

Lab File: BF122193.D

Acq: 30 Oct 2020 21:51

Tgt Ion:202 Resp: 98545

Ion Ratio Lower Upper

202 100

200 20.8 17.4 26.2

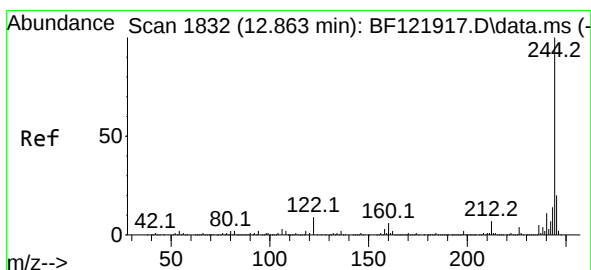
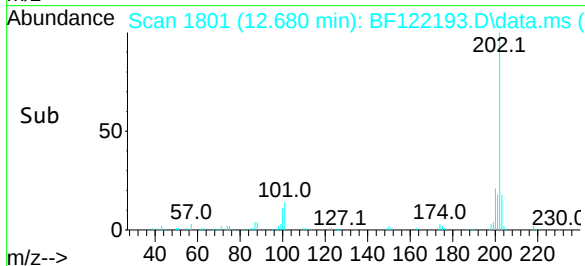
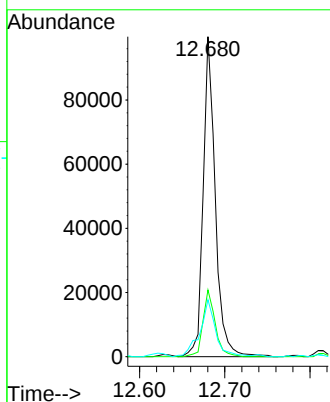
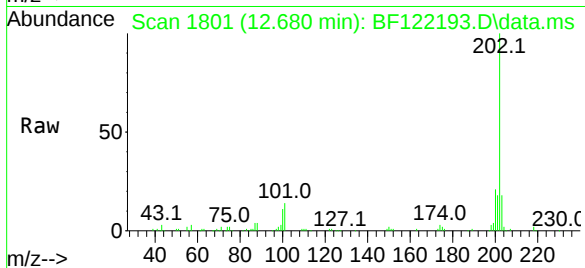
203 17.8 14.6 21.8

Instrument :

BNA_F

ClientSampleId :

2015



#79

Terphenyl-d14

Concen: 36.21 ng

RT: 12.816 min Scan# 1824

Delta R.T. -0.000 min

Lab File: BF122193.D

Acq: 30 Oct 2020 21:51

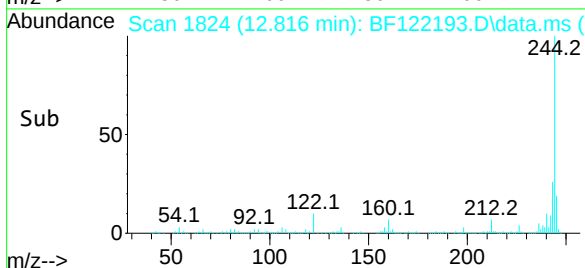
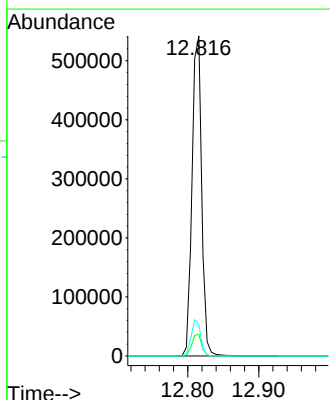
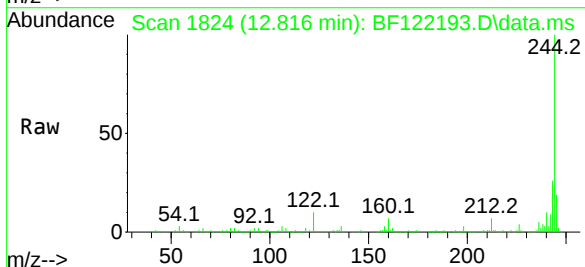
Tgt Ion:244 Resp: 512929

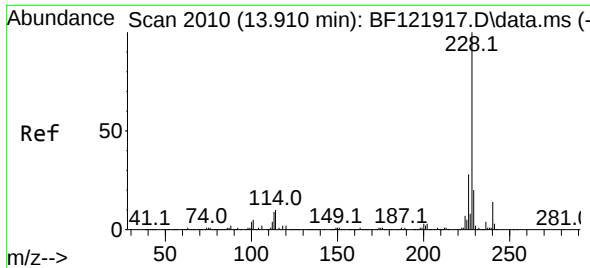
Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.2

122 9.9 8.1 12.1

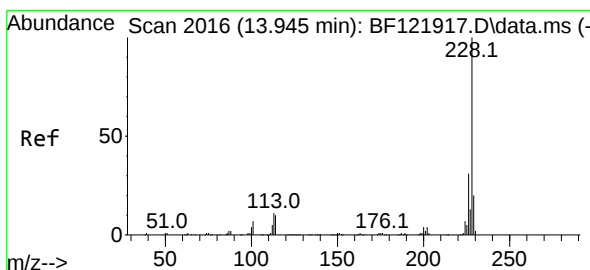
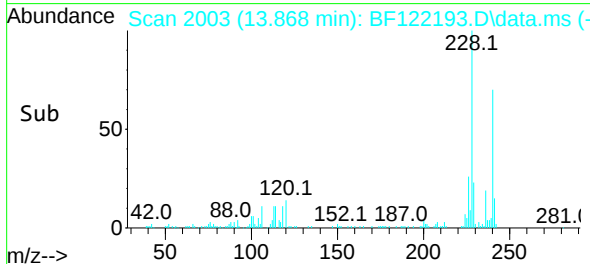
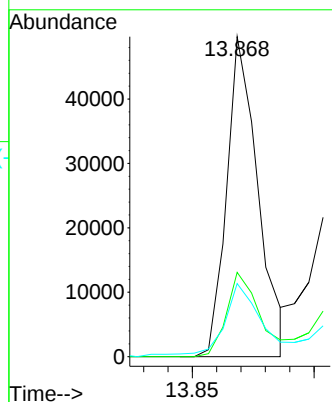
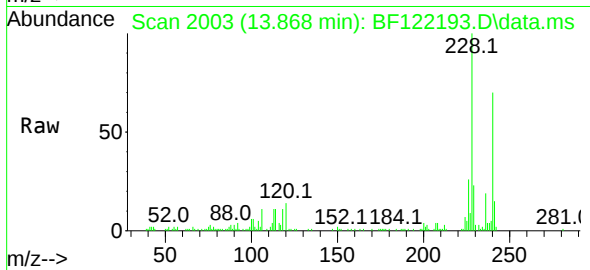




#81
Benzo(a)anthracene
Concen: 2.52 ng
RT: 13.868 min Scan# 2003
Delta R.T. -0.000 min
Lab File: BF122193.D
Acq: 30 Oct 2020 21:51

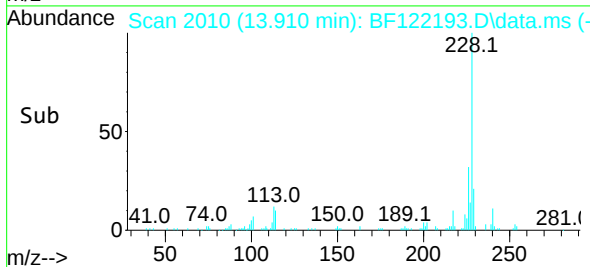
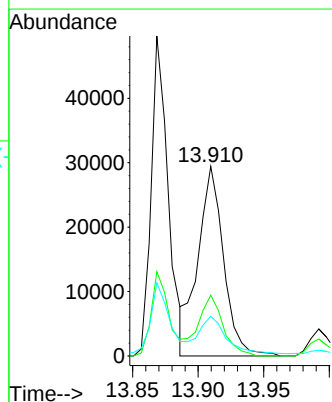
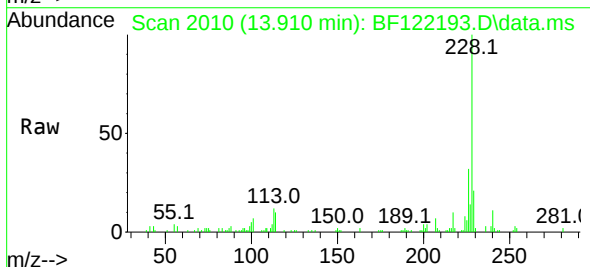
Instrument :
BNA_F
ClientSampled :
2015

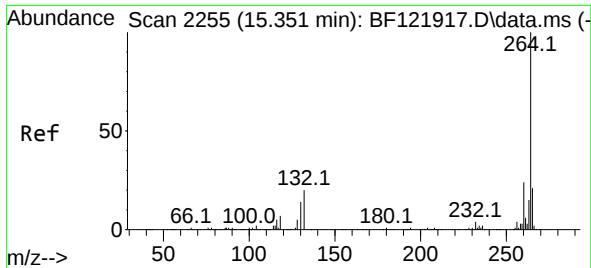
Tgt Ion:228 Resp: 44562
Ion Ratio Lower Upper
228 100
226 26.4 22.3 33.5
229 22.9 16.2 24.4



#83
Chrysene
Concen: 2.32 ng
RT: 13.910 min Scan# 2010
Delta R.T. 0.006 min
Lab File: BF122193.D
Acq: 30 Oct 2020 21:51

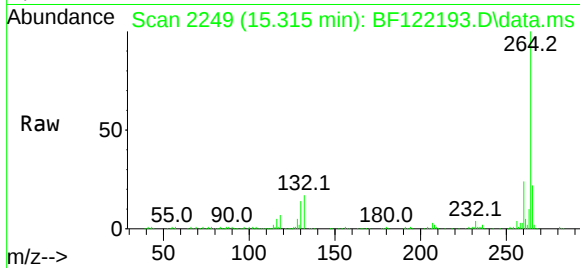
Tgt Ion:228 Resp: 40227
Ion Ratio Lower Upper
228 100
226 32.1 24.6 37.0
229 20.9 15.9 23.9



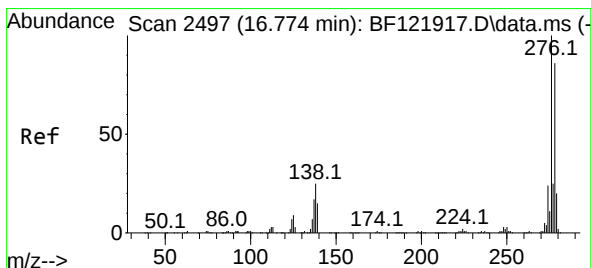
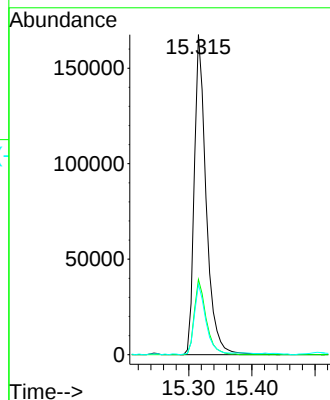
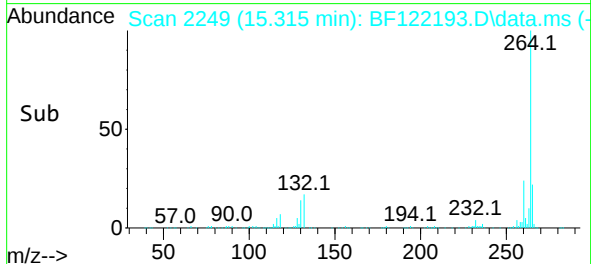


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.315 min Scan# 2249
Delta R.T. 0.012 min
Lab File: BF122193.D
Acq: 30 Oct 2020 21:51

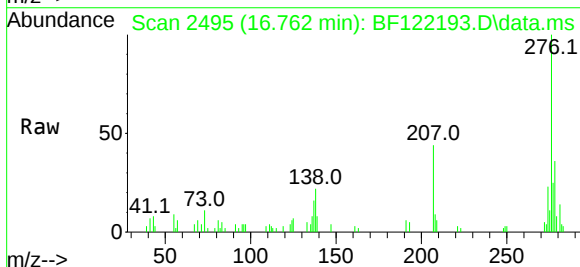
Instrument :
BNA_F
ClientSampled :
2015



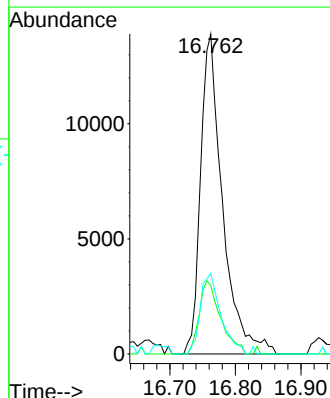
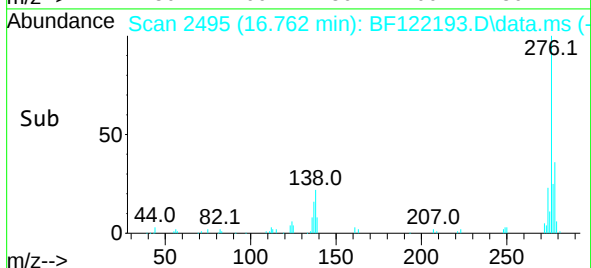
Tgt Ion:264 Resp: 218963
Ion Ratio Lower Upper
264 100
260 23.5 18.7 28.1
265 22.1 17.3 25.9

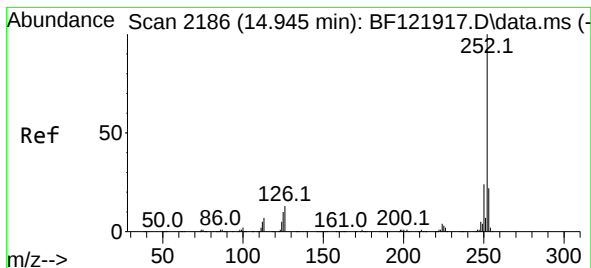


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.28 ng
RT: 16.762 min Scan# 2495
Delta R.T. 0.047 min
Lab File: BF122193.D
Acq: 30 Oct 2020 21:51



Tgt Ion:276 Resp: 32401
Ion Ratio Lower Upper
276 100
138 22.2 19.9 29.9
277 23.6 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 4.30 ng

RT: 14.915 min Scan# 2181

Delta R.T. 0.018 min

Lab File: BF122193.D

Acq: 30 Oct 2020 21:51

Tgt Ion:252 Resp: 63652

Ion Ratio Lower Upper

252 100

253 20.8 18.2 27.2

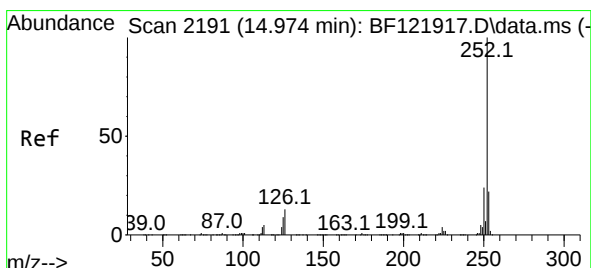
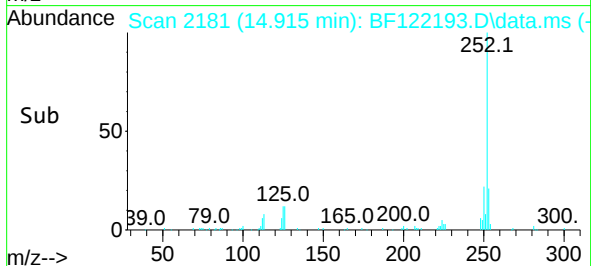
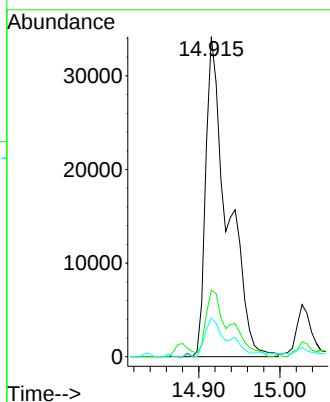
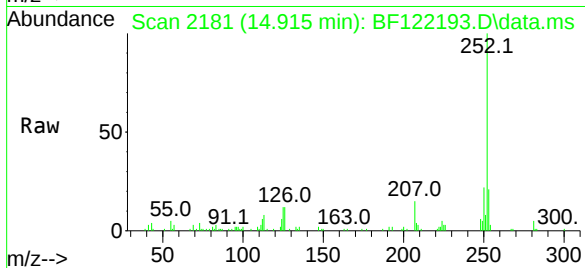
125 12.1 8.0 12.0#

Instrument :

BNA_F

ClientSampleId :

2015



#89

Benzo(k)fluoranthene

Concen: 4.53 ng

RT: 14.915 min Scan# 2181

Delta R.T. -0.012 min

Lab File: BF122193.D

Acq: 30 Oct 2020 21:51

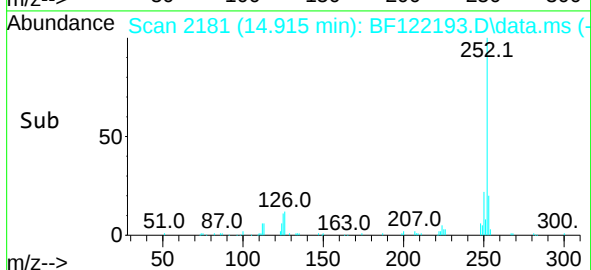
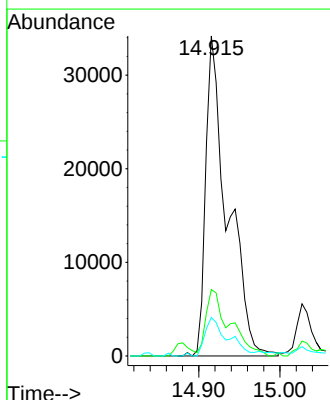
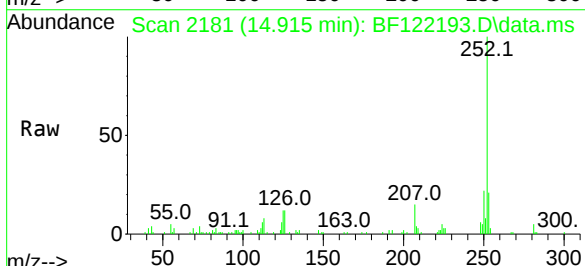
Tgt Ion:252 Resp: 63652

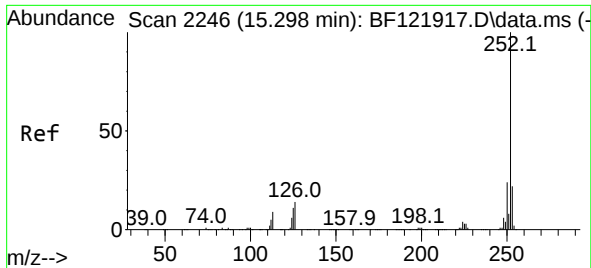
Ion Ratio Lower Upper

252 100

253 20.8 17.8 26.6

125 12.1 7.7 11.5#

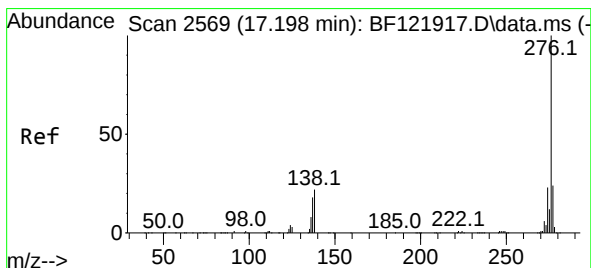
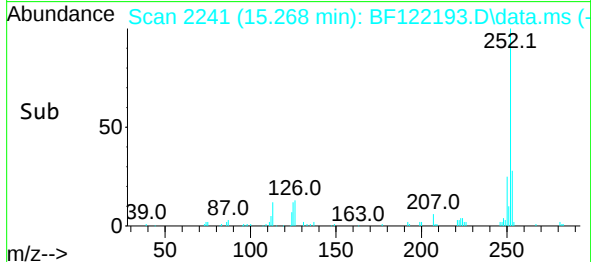
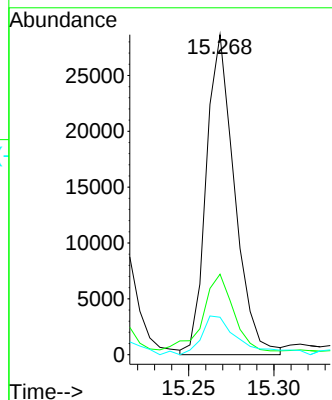
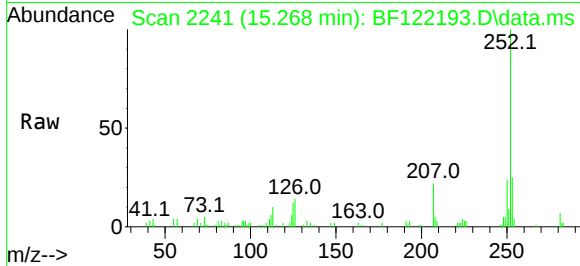




#90
Benzo(a)pyrene
Concen: 2.59 ng
RT: 15.268 min Scan# 2241
Delta R.T. 0.018 min
Lab File: BF122193.D
Acq: 30 Oct 2020 21:51

Instrument :
BNA_F
ClientSampled :
2015

Tgt Ion:252	Resp:	33059
Ion Ratio	Lower	Upper
252	100	
253	25.1	17.3 25.9
125	11.7	8.6 13.0



#92
Benzo(g,h,i)perylene
Concen: 2.64 ng
RT: 17.192 min Scan# 2568
Delta R.T. 0.059 min
Lab File: BF122193.D
Acq: 30 Oct 2020 21:51

Tgt Ion:276	Resp:	30892
Ion Ratio	Lower	Upper
276	100	
277	26.0	19.4 29.2
138	21.7	17.8 26.6

