

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102120\
 Data File : BF122065.D
 Acq On : 21 Oct 2020 20:17
 Operator : JU/CG
 Sample : L4221-10 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-102020

Quant Time: Oct 22 00:33:28 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 21 12:04:42 2020
 Response via : Initial Calibration

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

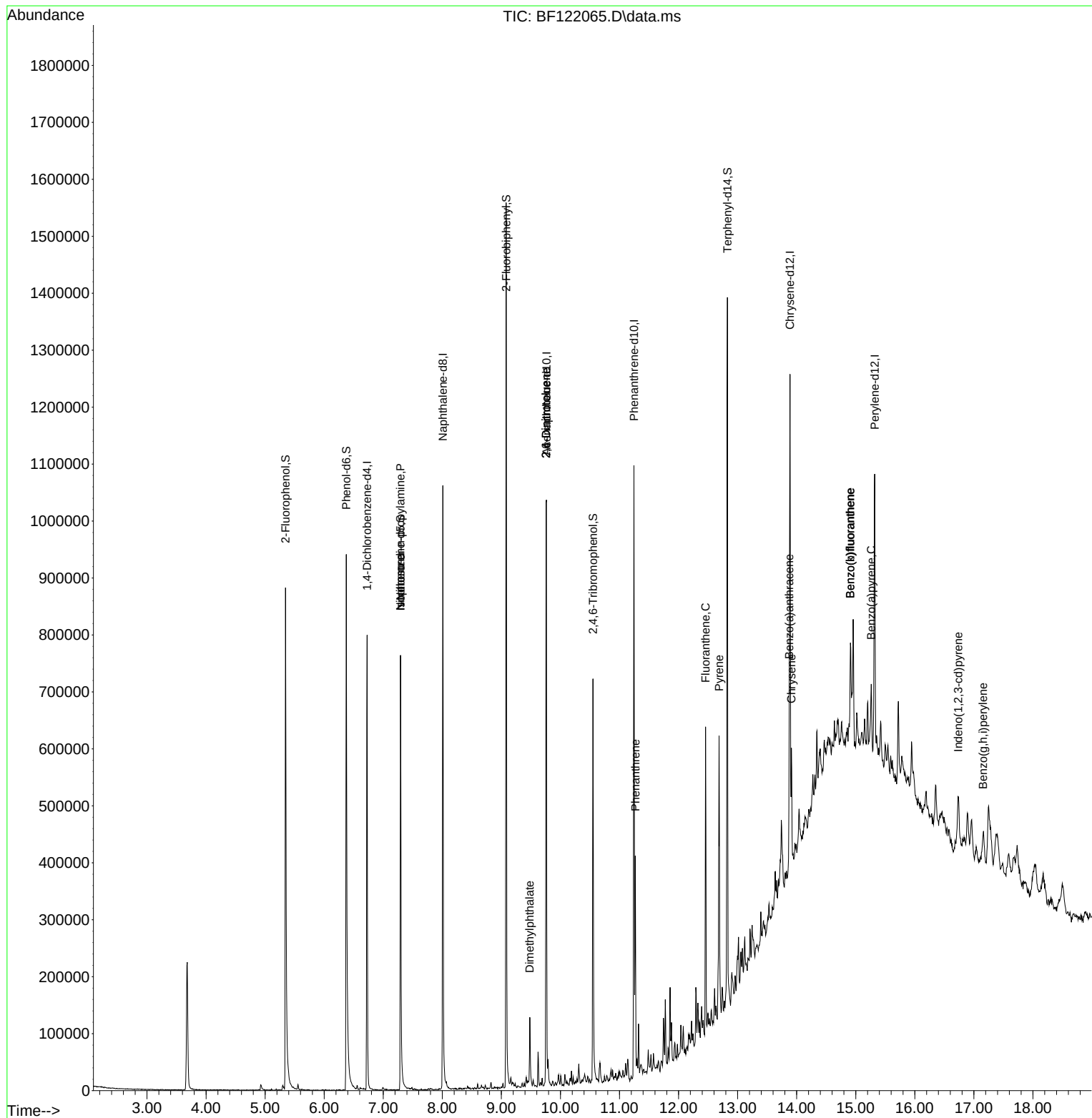
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.728	152	118588	20.00	ng	0.00
21) Naphthalene-d8	8.010	136	454874	20.00	ng	0.00
39) Acenaphthene-d10	9.763	164	221064	20.00	ng	0.00
64) Phenanthrene-d10	11.245	188	362670	20.00	ng	0.00
76) Chrysene-d12	13.886	240	266879	20.00	ng	0.00
86) Perylene-d12	15.321	264	211875	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.345	112	296456	36.90	ng	0.00
7) Phenol-d6	6.375	99	376239	36.38	ng	0.00
23) Nitrobenzene-d5	7.292	82	251136	28.31	ng	-0.01
42) 2,4,6-Tribromophenol	10.551	330	87394	31.96	ng	0.00
45) 2-Fluorobiphenyl	9.080	172	453922	30.21	ng	0.00
79) Terphenyl-d14	12.827	244	373269	26.65	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.375	77	561	Below Cal	#	3
19) n-Nitroso-di-n-propyla...	7.292	70	33434	5.68	ng	# 80
25) Isophorone	7.292	82	251134	14.97	ng	# 67
50) Dimethylphthalate	9.480	163	43978	2.72	ng	99
51) 2,6-Dinitrotoluene	9.757	165	28324	7.99	ng	# 21
57) 2,4-Dinitrotoluene	9.757	165	28324	6.49	ng	# 20
71) Phenanthrene	11.269	178	123898	6.23	ng	99
75) Fluoranthene	12.457	202	193203	9.06	ng	98
78) Pyrene	12.686	202	189978	9.34	ng	99
81) Benzo(a)anthracene	13.874	228	77494	4.43	ng	97
83) Chrysene	13.910	228	80533	4.69	ng	98
87) Indeno(1,2,3-cd)pyrene	16.733	276	29019	2.11	ng	94
88) Benzo(b)fluoranthene	14.910	252	101596	7.09	ng	# 82
89) Benzo(k)fluoranthene	14.910	252	101596	7.47	ng	# 81
90) Benzo(a)pyrene	15.262	252	52752	4.26	ng	# 88
92) Benzo(g,h,i)perylene	17.156	276	30826	2.72	ng	92

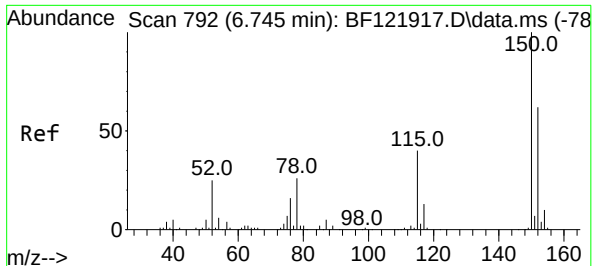
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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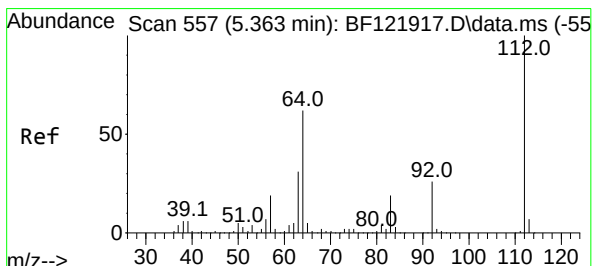
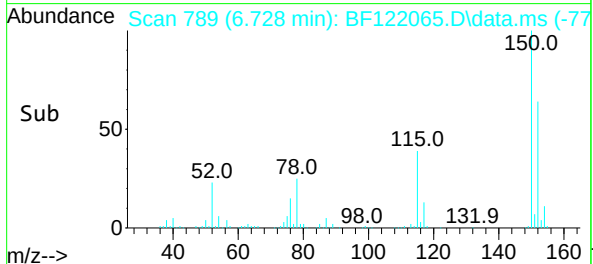
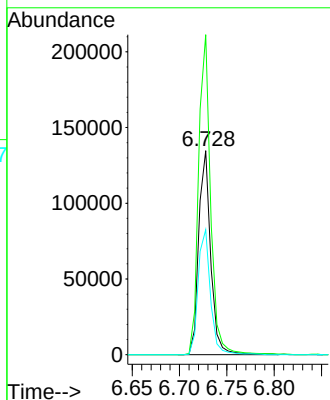
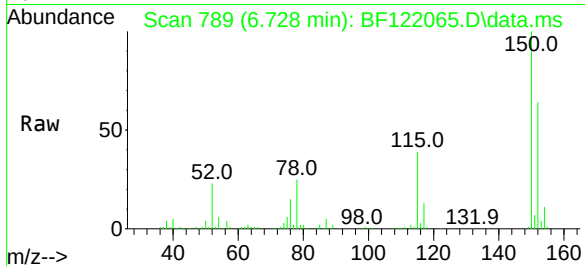




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.728 min Scan# 789
Delta R.T. -0.000 min
Lab File: BF122065.D
Acq: 21 Oct 2020 20:17

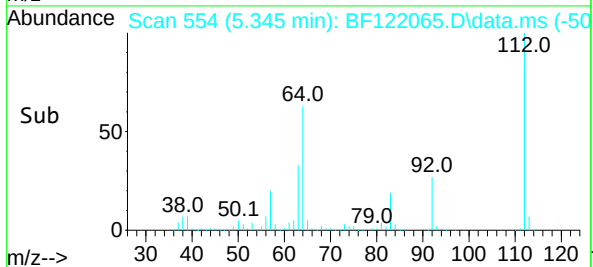
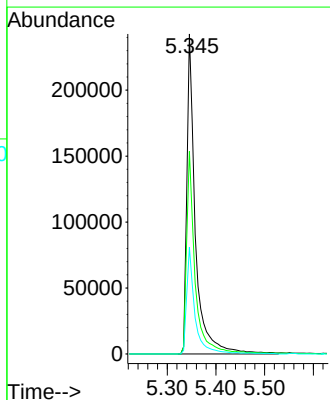
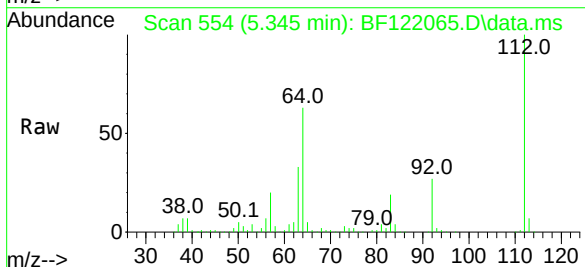
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BNA_F
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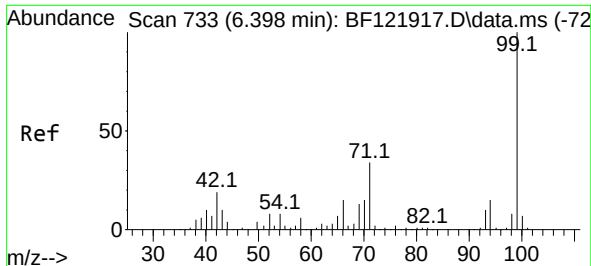
Tgt Ion:152 Resp: 118588
Ion Ratio Lower Upper
152 100
150 156.9 125.3 187.9
115 61.3 51.9 77.9



#5
2-Fluorophenol
Concen: 36.90 ng
RT: 5.345 min Scan# 554
Delta R.T. -0.000 min
Lab File: BF122065.D
Acq: 21 Oct 2020 20:17

Tgt Ion:112 Resp: 296456
Ion Ratio Lower Upper
112 100
64 63.3 50.4 75.6
63 33.4 25.8 38.6

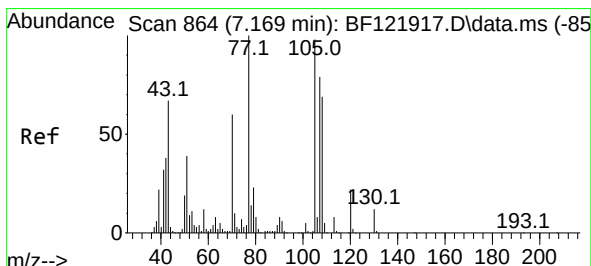
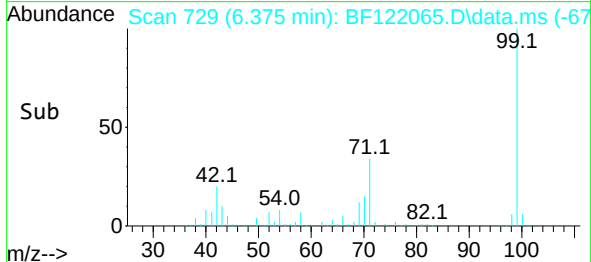
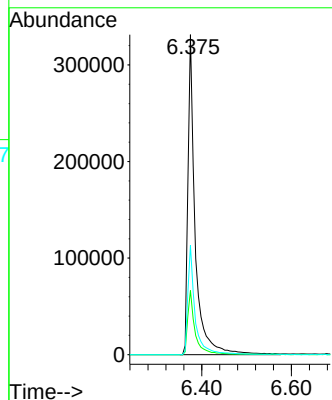
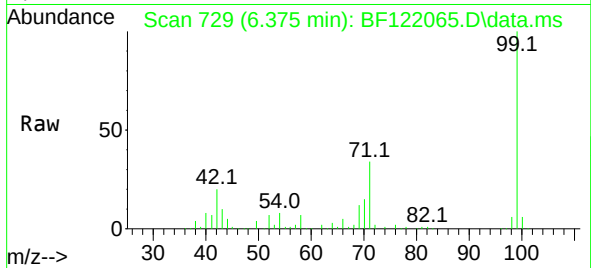




#7
Phenol-d6
Concen: 36.38 ng
RT: 6.375 min Scan# 729
Delta R.T. -0.006 min
Lab File: BF122065.D
Acq: 21 Oct 2020 20:17

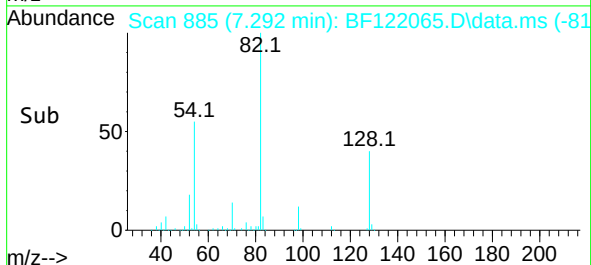
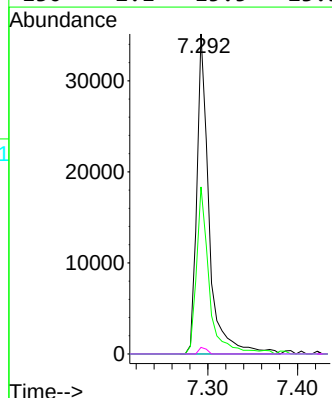
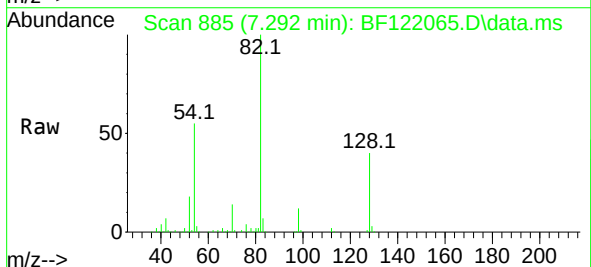
Instrument :
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ClientSampleId :
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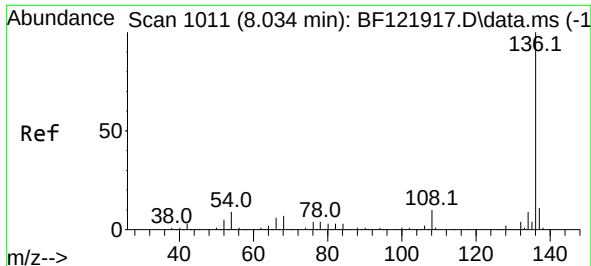
Tgt Ion: 99 Resp: 376239
Ion Ratio Lower Upper
99 100
42 20.1 15.9 23.9
71 34.2 27.1 40.7



#19
n-Nitroso-di-n-propylamine
Concen: 5.68 ng
RT: 7.292 min Scan# 885
Delta R.T. 0.135 min
Lab File: BF122065.D
Acq: 21 Oct 2020 20:17

Tgt Ion: 70 Resp: 33434
Ion Ratio Lower Upper
70 100
42 52.2 50.2 75.4
101 0.0 7.5 11.3#
130 2.1 15.5 23.3#

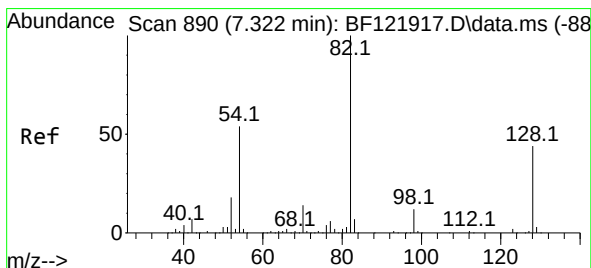
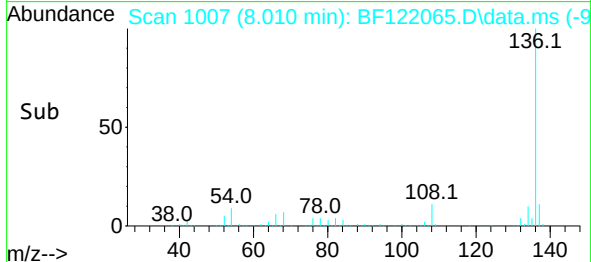
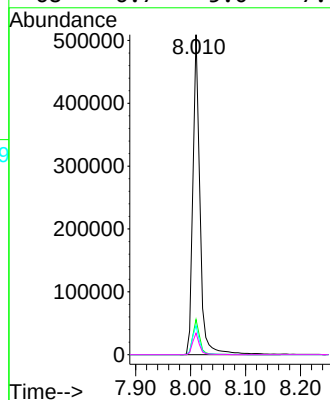
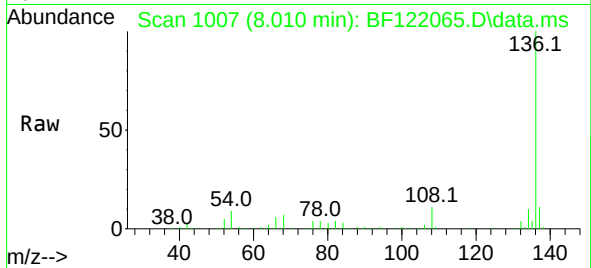




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.010 min Scan# 1007
Delta R.T. -0.000 min
Lab File: BF122065.D
Acq: 21 Oct 2020 20:17

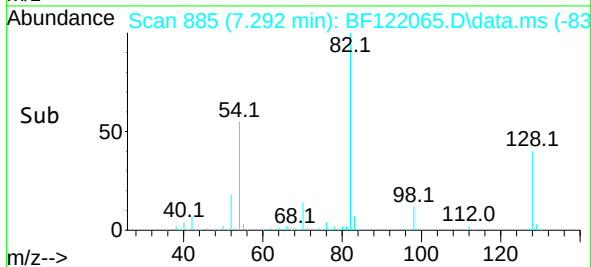
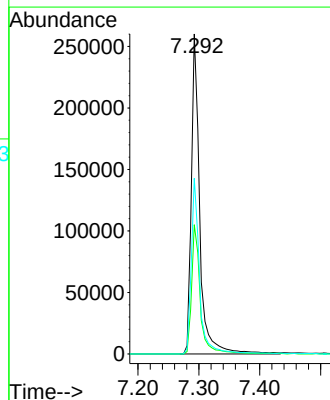
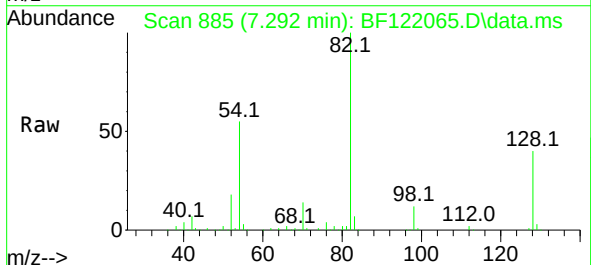
Instrument :
BNA_F
ClientSampleId :
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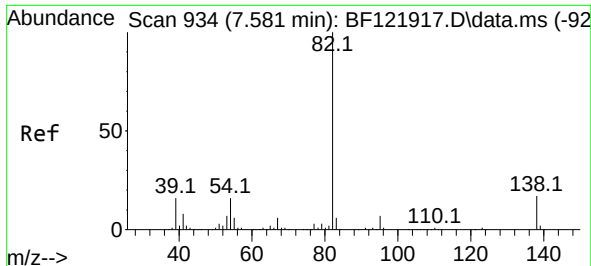
Tgt Ion:136 Resp: 454874
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 9.1 7.1 10.7
68 6.7 5.0 7.4



#23
Nitrobenzene-d5
Concen: 28.31 ng
RT: 7.292 min Scan# 885
Delta R.T. -0.012 min
Lab File: BF122065.D
Acq: 21 Oct 2020 20:17

Tgt Ion: 82 Resp: 251136
Ion Ratio Lower Upper
82 100
128 40.4 35.0 52.4
54 54.9 43.9 65.9

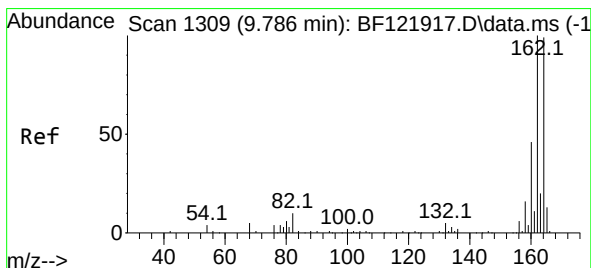
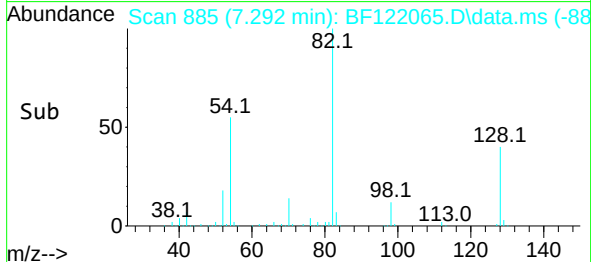
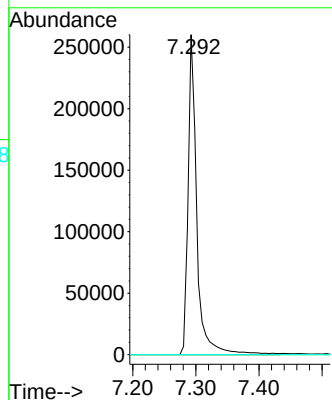
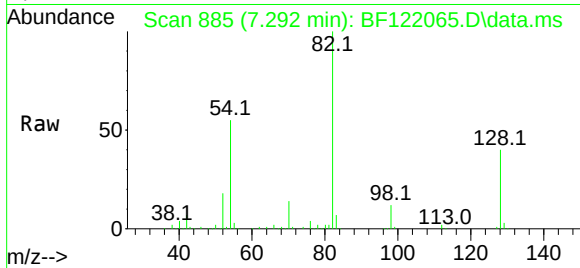




#25
Isophorone
Concen: 14.97 ng
RT: 7.292 min Scan# 885
Delta R.T. -0.271 min
Lab File: BF122065.D
Acq: 21 Oct 2020 20:17

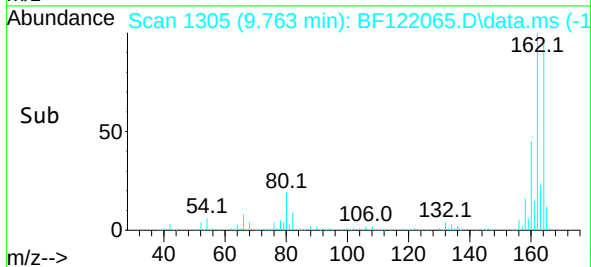
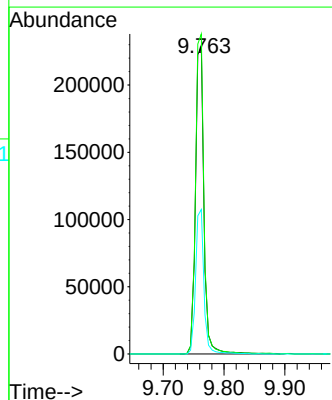
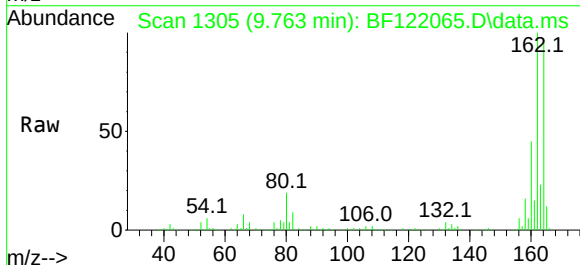
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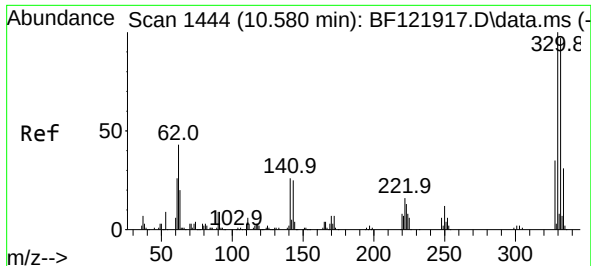
Tgt Ion: 82 Resp: 251134
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 13.4 20.0#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.763 min Scan# 1305
Delta R.T. -0.000 min
Lab File: BF122065.D
Acq: 21 Oct 2020 20:17

Tgt Ion: 164 Resp: 221064
Ion Ratio Lower Upper
164 100
162 104.1 83.2 124.8
160 47.0 37.5 56.3

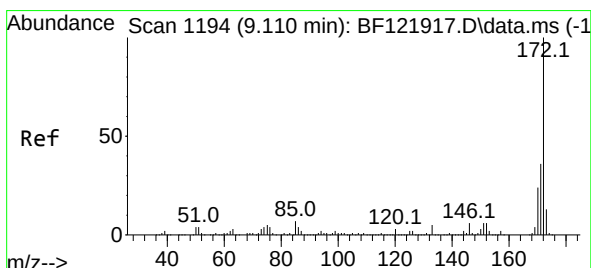
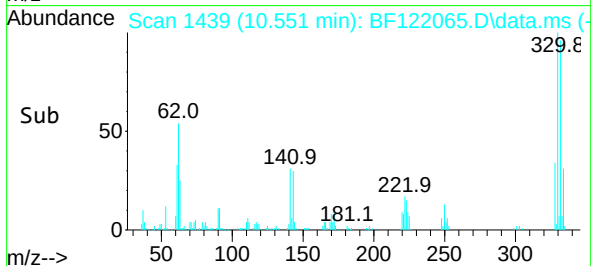
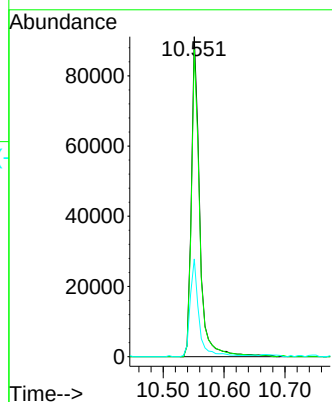
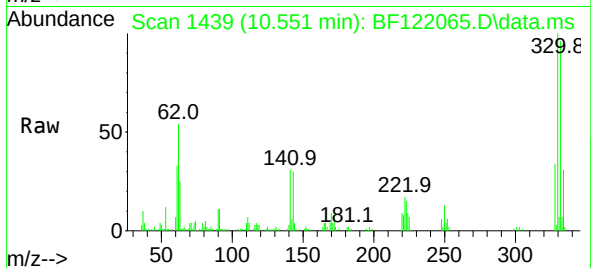




#42
2,4,6-Tribromophenol
Concen: 31.96 ng
RT: 10.551 min Scan# 1439
Delta R.T. -0.006 min
Lab File: BF122065.D
Acq: 21 Oct 2020 20:17

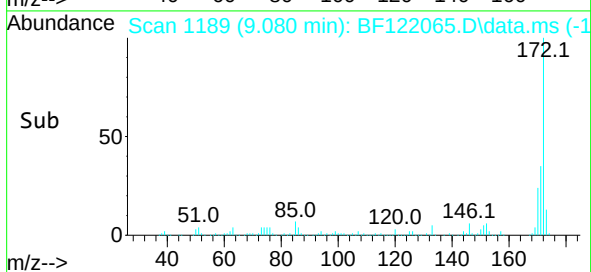
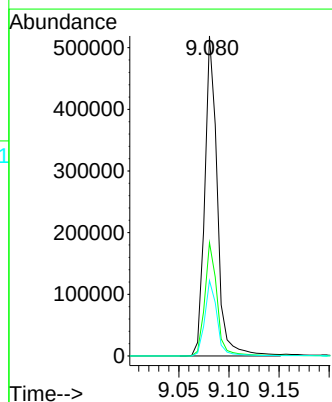
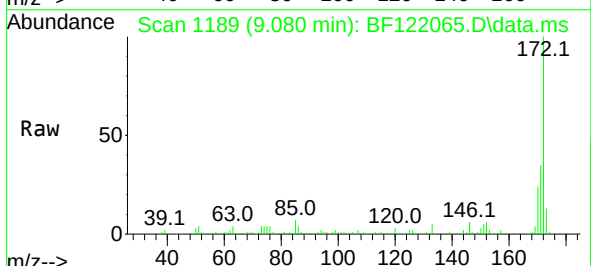
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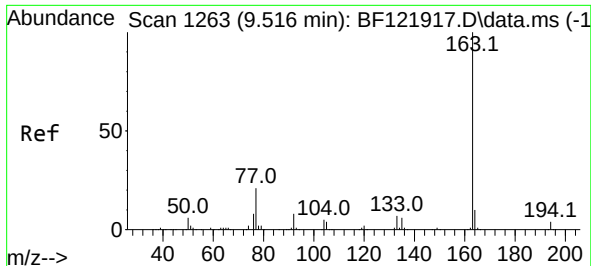
Tgt Ion: 330 Resp: 87394
Ion Ratio Lower Upper
330 100
332 95.8 77.3 115.9
141 32.1 22.3 33.5



#45
2-Fluorobiphenyl
Concen: 30.21 ng
RT: 9.080 min Scan# 1189
Delta R.T. -0.006 min
Lab File: BF122065.D
Acq: 21 Oct 2020 20:17

Tgt Ion: 172 Resp: 453922
Ion Ratio Lower Upper
172 100
171 35.4 29.1 43.7
170 23.6 19.8 29.6

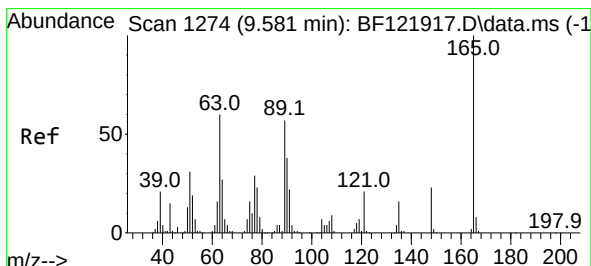
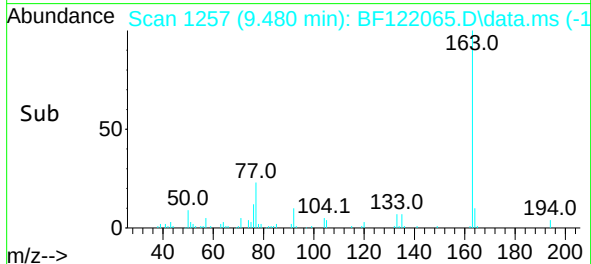
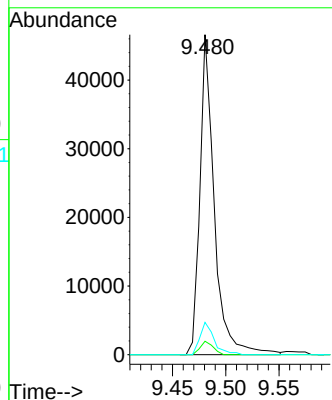
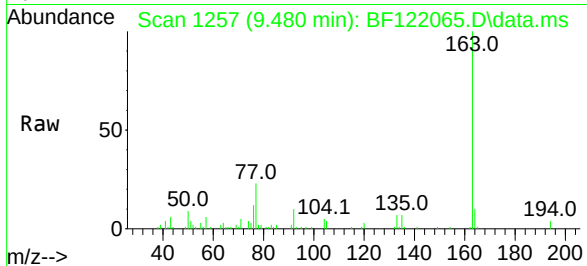




#50
Dimethylphthalate
Concen: 2.72 ng
RT: 9.480 min Scan# 1257
Delta R.T. -0.012 min
Lab File: BF122065.D
Acq: 21 Oct 2020 20:17

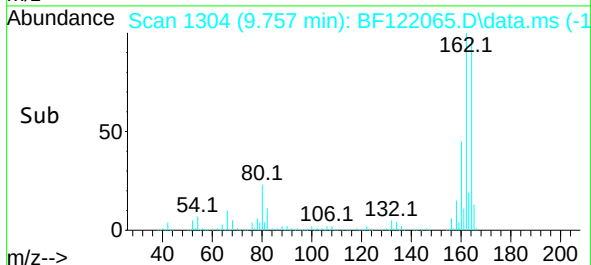
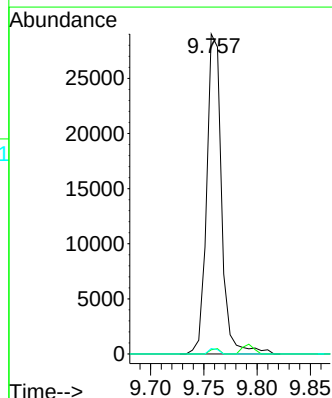
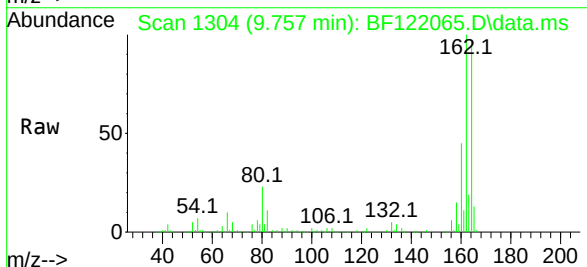
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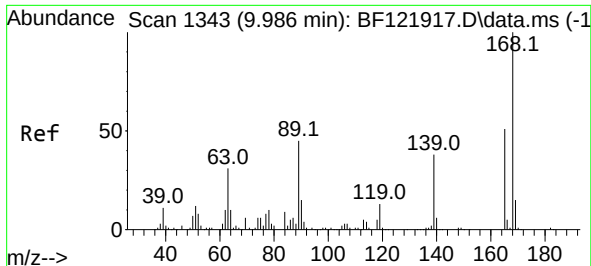
Tgt Ion:163 Resp: 43978
Ion Ratio Lower Upper
163 100
194 4.2 3.3 4.9
164 10.1 8.2 12.4



#51
2,6-Dinitrotoluene
Concen: 7.99 ng
RT: 9.757 min Scan# 1304
Delta R.T. 0.194 min
Lab File: BF122065.D
Acq: 21 Oct 2020 20:17

Tgt Ion:165 Resp: 28324
Ion Ratio Lower Upper
165 100
63 1.3 51.8 77.6#
89 1.7 49.0 73.6#

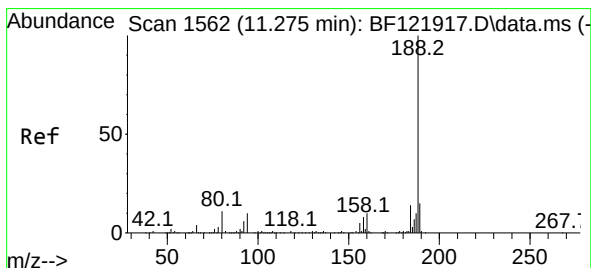
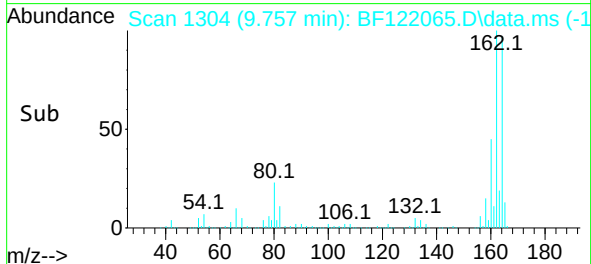
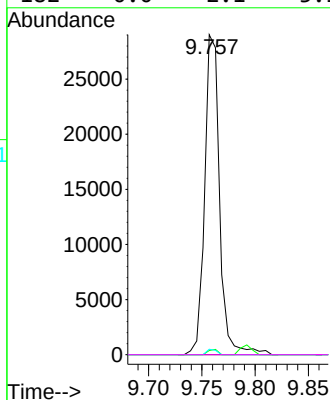
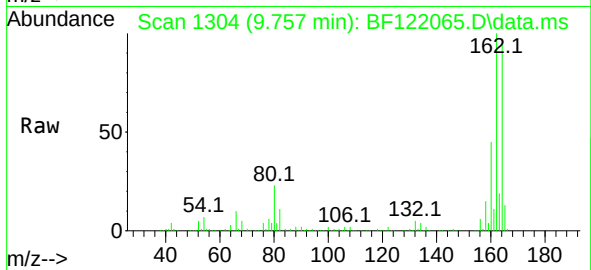




#57
2,4-Dinitrotoluene
Concen: 6.49 ng
RT: 9.757 min Scan# 1304
Delta R.T. -0.218 min
Lab File: BF122065.D
Acq: 21 Oct 2020 20:17

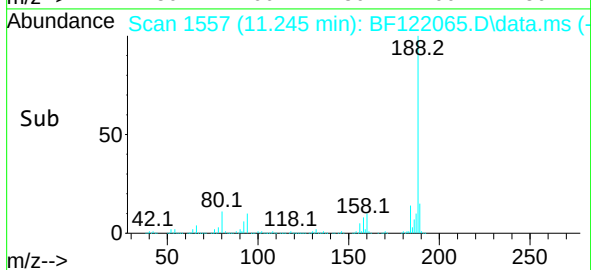
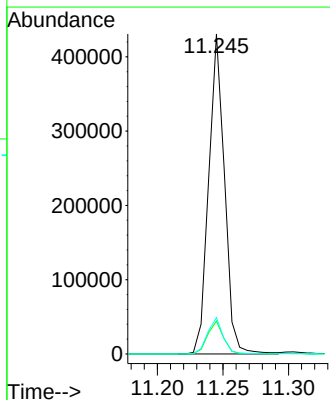
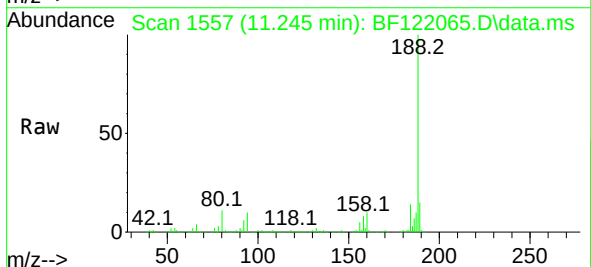
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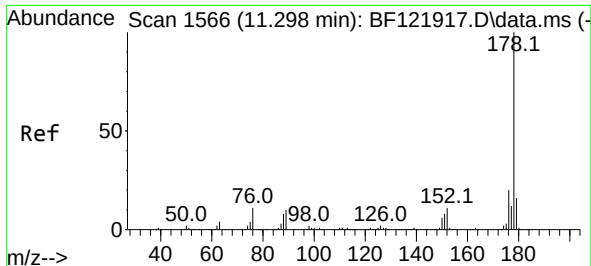
Tgt Ion:	165	Resp:	28324
Ion Ratio	Lower	Upper	
165	100		
63	1.3	41.3	61.9#
89	1.7	61.8	92.8#
182	0.0	2.1	3.1#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.245 min Scan# 1557
Delta R.T. -0.000 min
Lab File: BF122065.D
Acq: 21 Oct 2020 20:17

Tgt Ion:	188	Resp:	362670
Ion Ratio	Lower	Upper	
188	100		
94	10.3	8.3	12.5
80	11.3	9.1	13.7

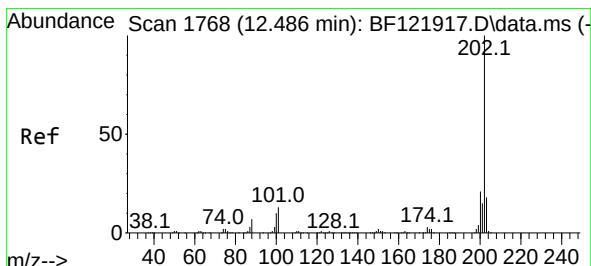
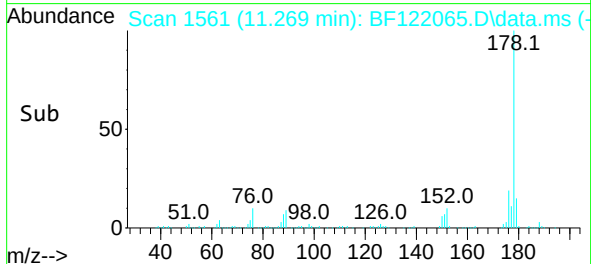
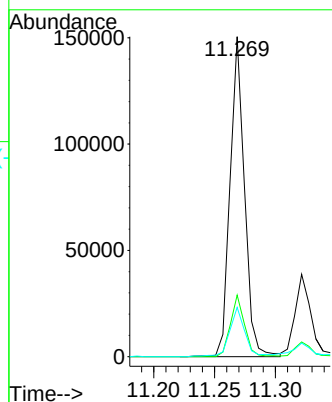
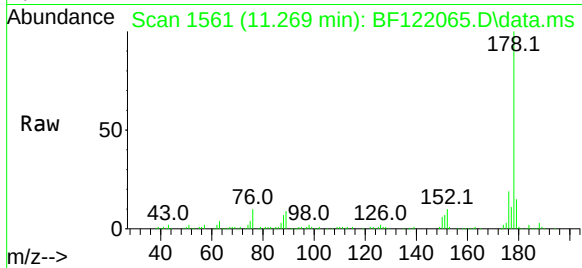




#71
Phenanthrene
Concen: 6.23 ng
RT: 11.269 min Scan# 1561
Delta R.T. -0.006 min
Lab File: BF122065.D
Acq: 21 Oct 2020 20:17

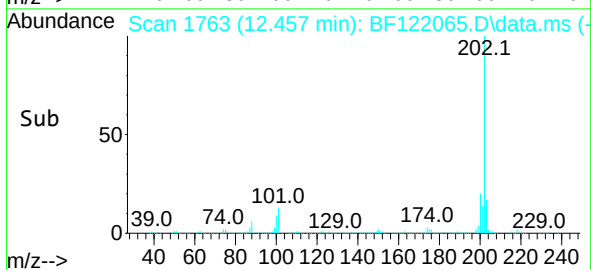
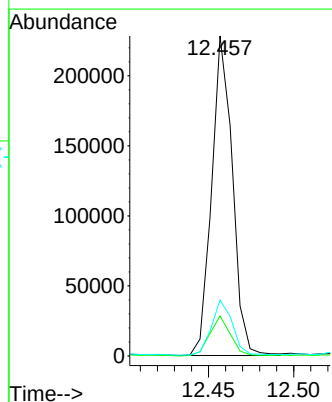
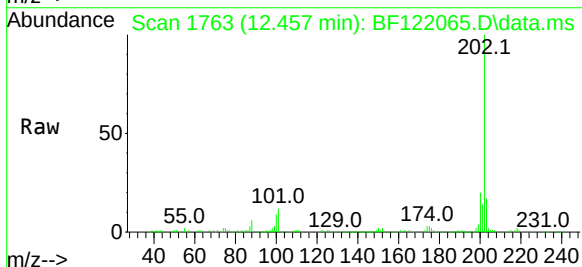
Instrument :
BNA_F
ClientSampleId :
OK-03-102020

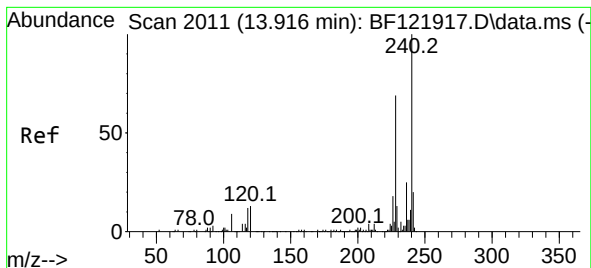
Tgt Ion:178 Resp: 123898
Ion Ratio Lower Upper
178 100
176 19.2 15.9 23.9
179 15.4 12.2 18.4



#75
Fluoranthene
Concen: 9.06 ng
RT: 12.457 min Scan# 1763
Delta R.T. -0.006 min
Lab File: BF122065.D
Acq: 21 Oct 2020 20:17

Tgt Ion:202 Resp: 193203
Ion Ratio Lower Upper
202 100
101 12.5 0.0 33.4
203 17.5 0.0 37.9

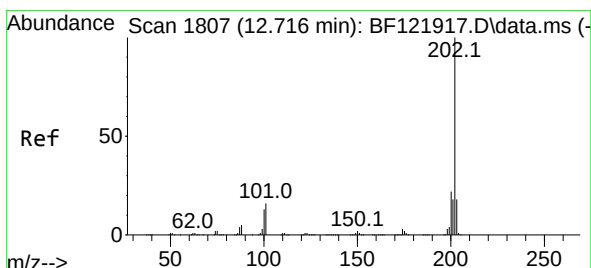
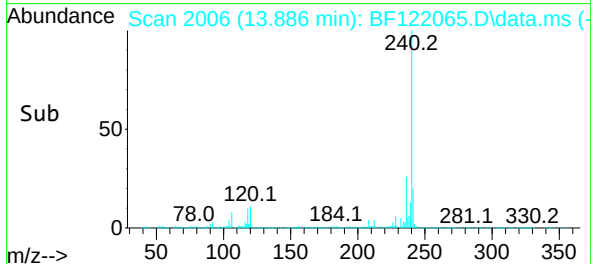
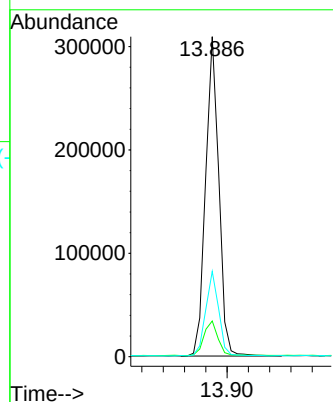
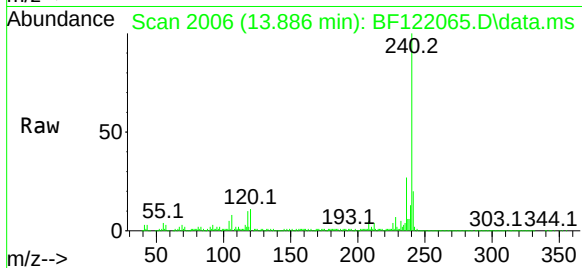




#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.886 min Scan# 2006
Delta R.T. -0.000 min
Lab File: BF122065.D
Acq: 21 Oct 2020 20:17

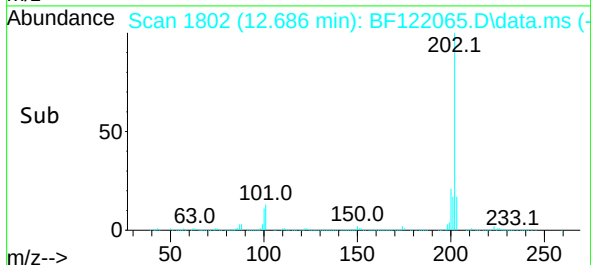
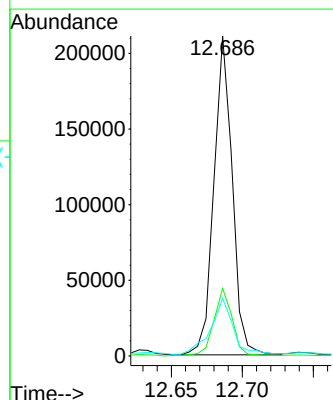
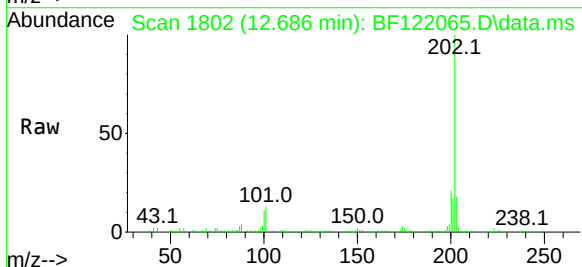
Instrument :
BNA_F
ClientSampleId :
OK-03-102020

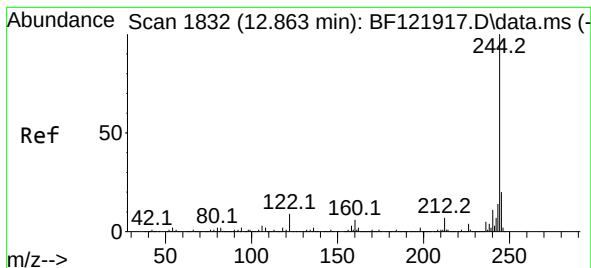
Tgt Ion:240 Resp: 266879
Ion Ratio Lower Upper
240 100
120 11.2 9.2 13.8
236 26.6 20.9 31.3



#78
Pyrene
Concen: 9.34 ng
RT: 12.686 min Scan# 1802
Delta R.T. -0.000 min
Lab File: BF122065.D
Acq: 21 Oct 2020 20:17

Tgt Ion:202 Resp: 189978
Ion Ratio Lower Upper
202 100
200 21.1 17.4 26.2
203 18.0 14.6 21.8





#79

Terphenyl-d14

Concen: 26.65 ng

RT: 12.827 min Scan# 1826

Delta R.T. -0.006 min

Lab File: BF122065.D

Acq: 21 Oct 2020 20:17

Tgt Ion:244 Resp: 373269

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.2

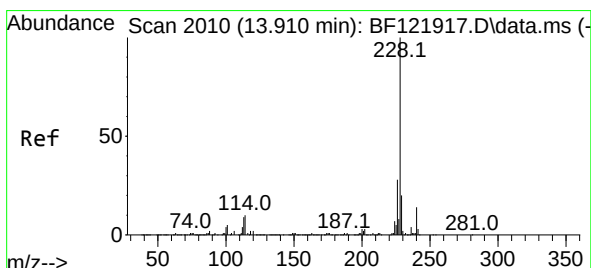
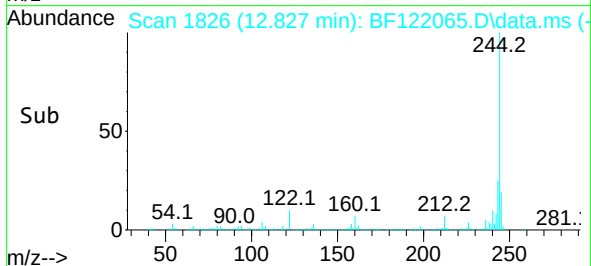
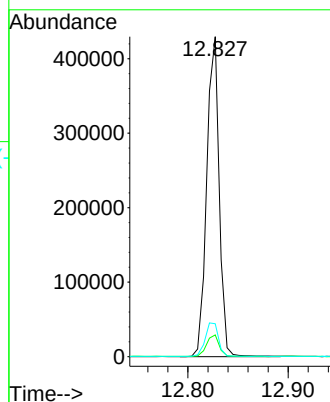
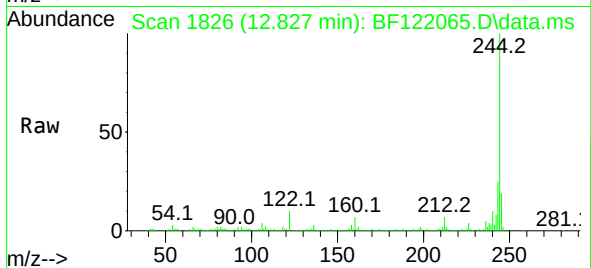
122 10.3 8.1 12.1

Instrument :

BNA_F

ClientSampleId :

OK-03-102020



#81

Benzo(a)anthracene

Concen: 4.43 ng

RT: 13.874 min Scan# 2004

Delta R.T. -0.006 min

Lab File: BF122065.D

Acq: 21 Oct 2020 20:17

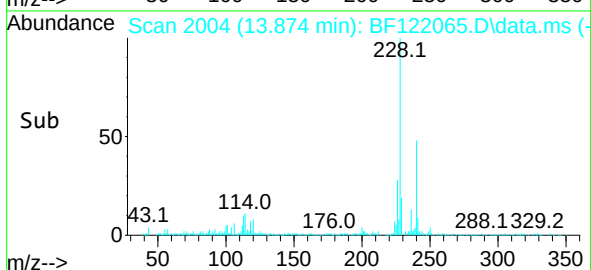
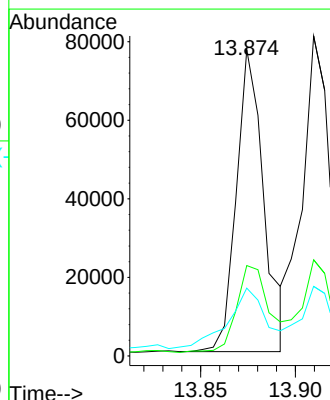
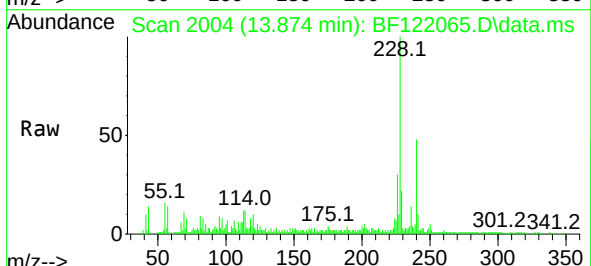
Tgt Ion:228 Resp: 77494

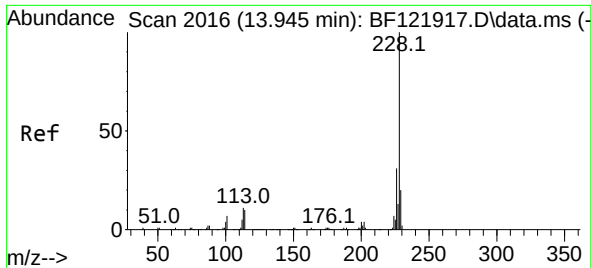
Ion Ratio Lower Upper

228 100

226 29.5 22.3 33.5

229 22.1 16.2 24.4

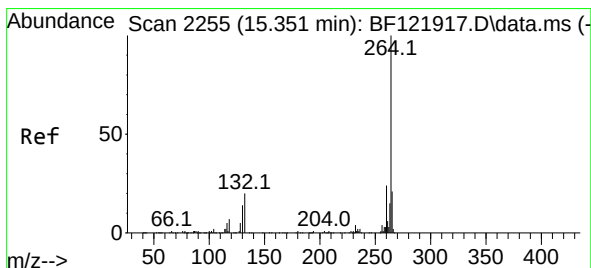
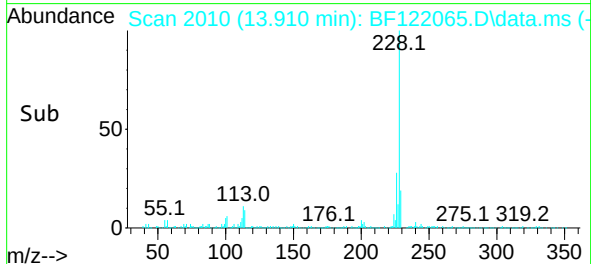
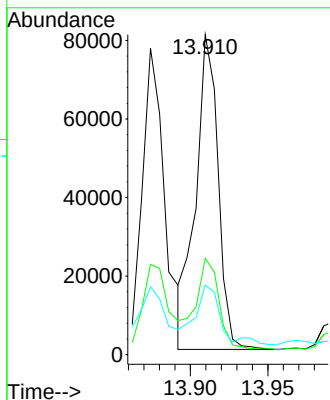
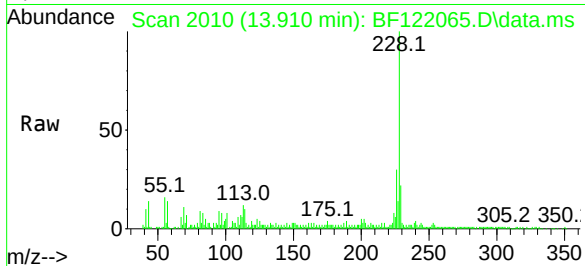




#83
Chrysene
Concen: 4.69 ng
RT: 13.910 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BF122065.D
Acq: 21 Oct 2020 20:17

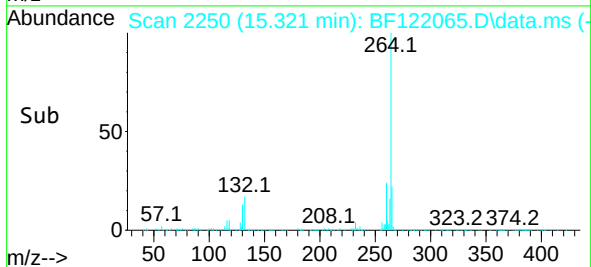
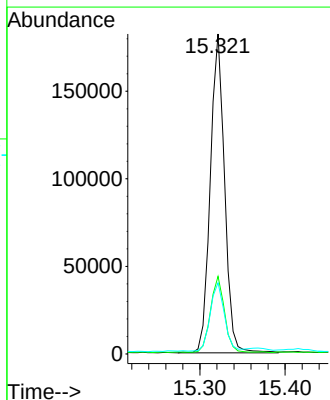
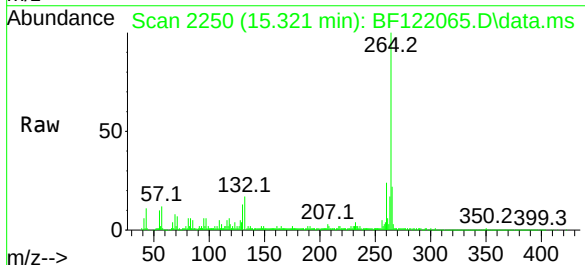
Instrument :
BNA_F
ClientSampleId :
OK-03-102020

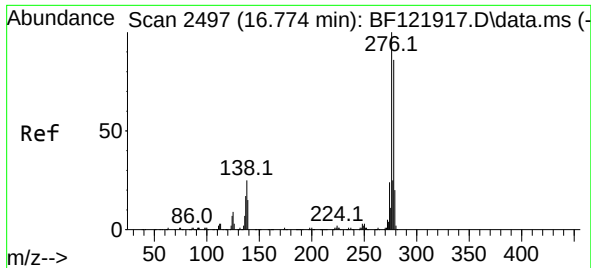
Tgt Ion:228 Resp: 80533
Ion Ratio Lower Upper
228 100
226 30.0 24.6 37.0
229 21.7 15.9 23.9



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.321 min Scan# 2250
Delta R.T. 0.006 min
Lab File: BF122065.D
Acq: 21 Oct 2020 20:17

Tgt Ion:264 Resp: 211875
Ion Ratio Lower Upper
264 100
260 24.3 18.7 28.1
265 22.3 17.3 25.9

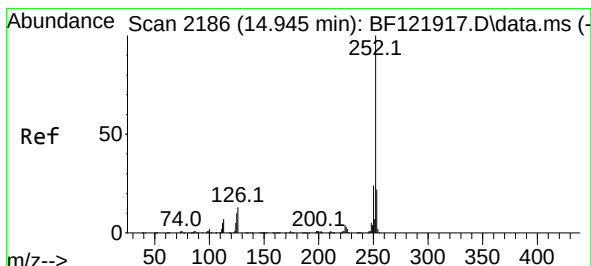
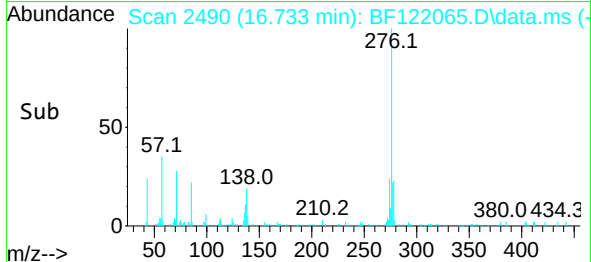
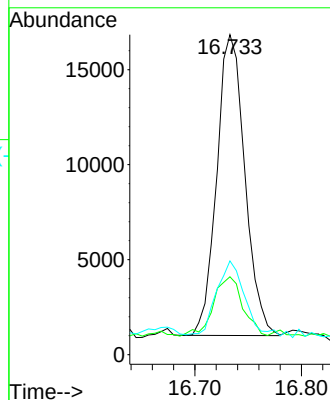
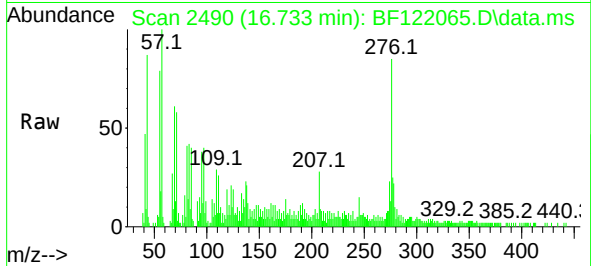




#87
Indeno(1,2,3-cd)pyrene
Concen: 2.11 ng
RT: 16.733 min Scan# 2490
Delta R.T. 0.006 min
Lab File: BF122065.D
Acq: 21 Oct 2020 20:17

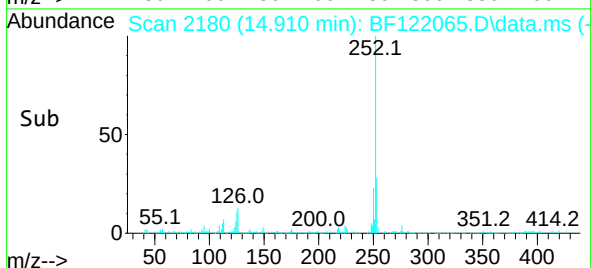
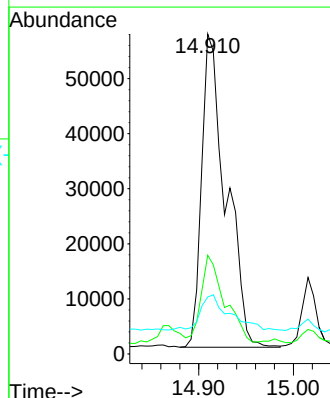
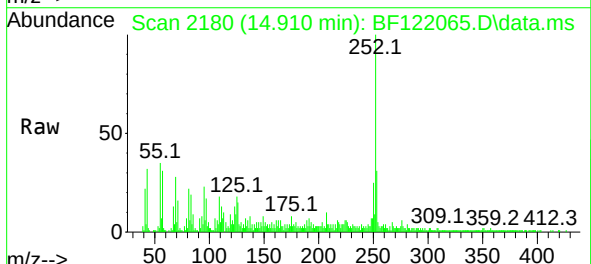
Instrument :
BNA_F
ClientSampleId :
OK-03-102020

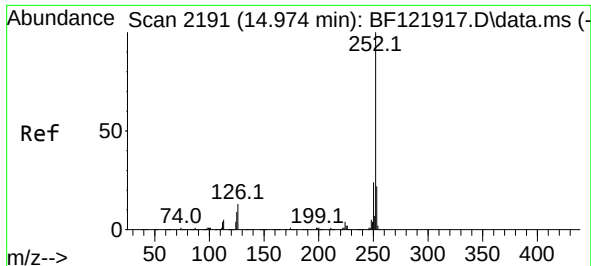
Tgt Ion:	276	Resp:	29019
Ion Ratio	Lower	Upper	
276	100		
138	20.7	19.9	29.9
277	27.0	20.4	30.6



#88
Benzo(b)fluoranthene
Concen: 7.09 ng
RT: 14.910 min Scan# 2180
Delta R.T. -0.000 min
Lab File: BF122065.D
Acq: 21 Oct 2020 20:17

Tgt Ion:	252	Resp:	101596
Ion Ratio	Lower	Upper	
252	100		
253	30.8	18.2	27.2#
125	17.8	8.0	12.0#

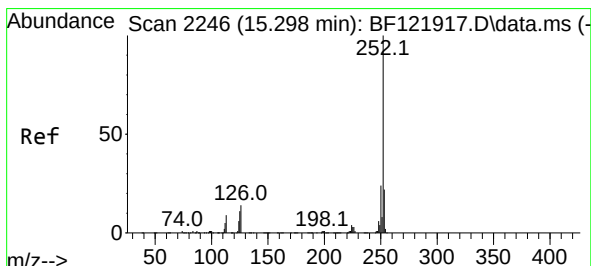
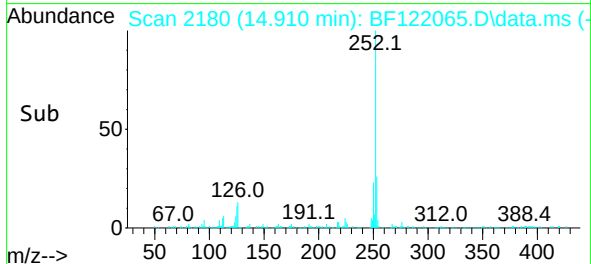
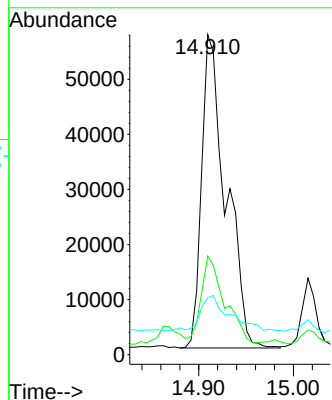
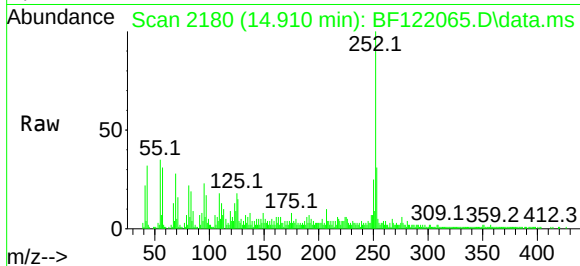




#89
Benzo(k)fluoranthene
Concen: 7.47 ng
RT: 14.910 min Scan# 2180
Delta R.T. -0.024 min
Lab File: BF122065.D
Acq: 21 Oct 2020 20:17

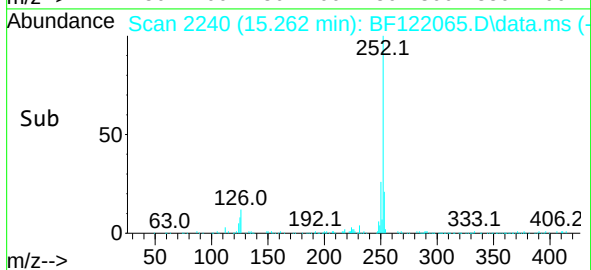
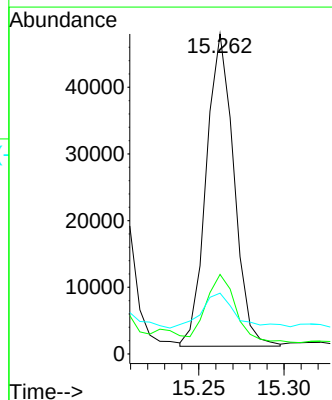
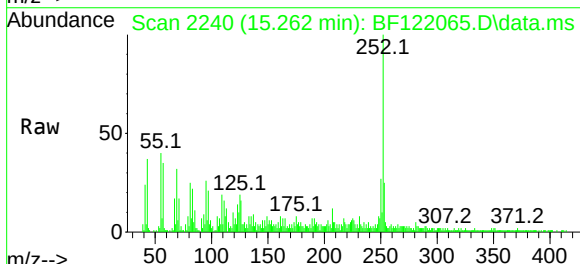
Instrument :
BNA_F
ClientSampleId :
OK-03-102020

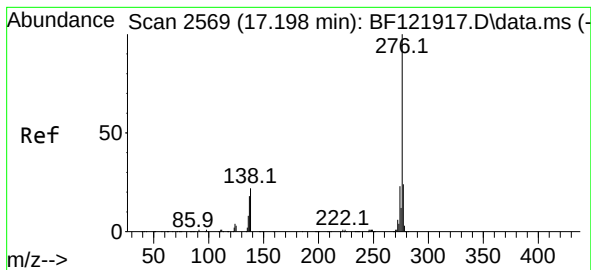
Tgt Ion:252 Resp: 101596
Ion Ratio Lower Upper
252 100
253 30.8 17.8 26.6#
125 17.8 7.7 11.5#



#90
Benzo(a)pyrene
Concen: 4.26 ng
RT: 15.262 min Scan# 2240
Delta R.T. 0.006 min
Lab File: BF122065.D
Acq: 21 Oct 2020 20:17

Tgt Ion:252 Resp: 52752
Ion Ratio Lower Upper
252 100
253 24.9 17.3 25.9
125 19.0 8.6 13.0#





#92

Benzo(g,h,i)perylene

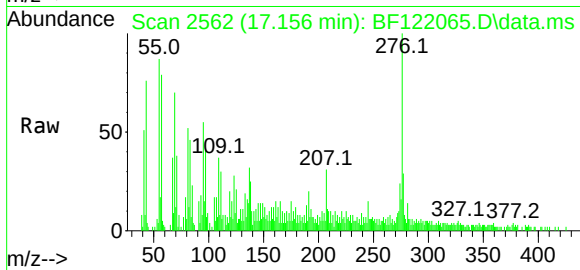
Concen: 2.72 ng

RT: 17.156 min Scan# 2562

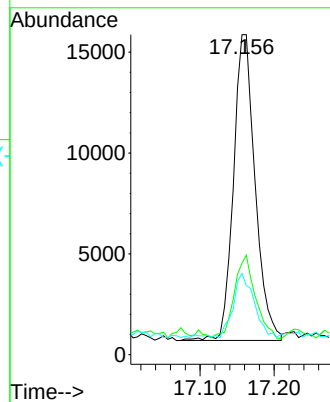
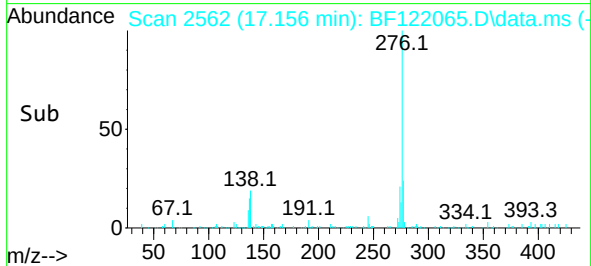
Delta R.T. 0.018 min

Lab File: BF122065.D

Acq: 21 Oct 2020 20:17



Tgt Ion:	276	Resp:	30826
Ion Ratio	Lower	Upper	
276	100		
277	28.6	19.4	29.2
138	25.3	17.8	26.6



Instrument :
BNA_F
ClientSampleId :
OK-03-102020