

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102320\
 Data File : BF122100.D
 Acq On : 23 Oct 2020 15:46
 Operator : JU/CG
 Sample : L4488-05
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 202

Quant Time: Oct 23 16:28:58 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)

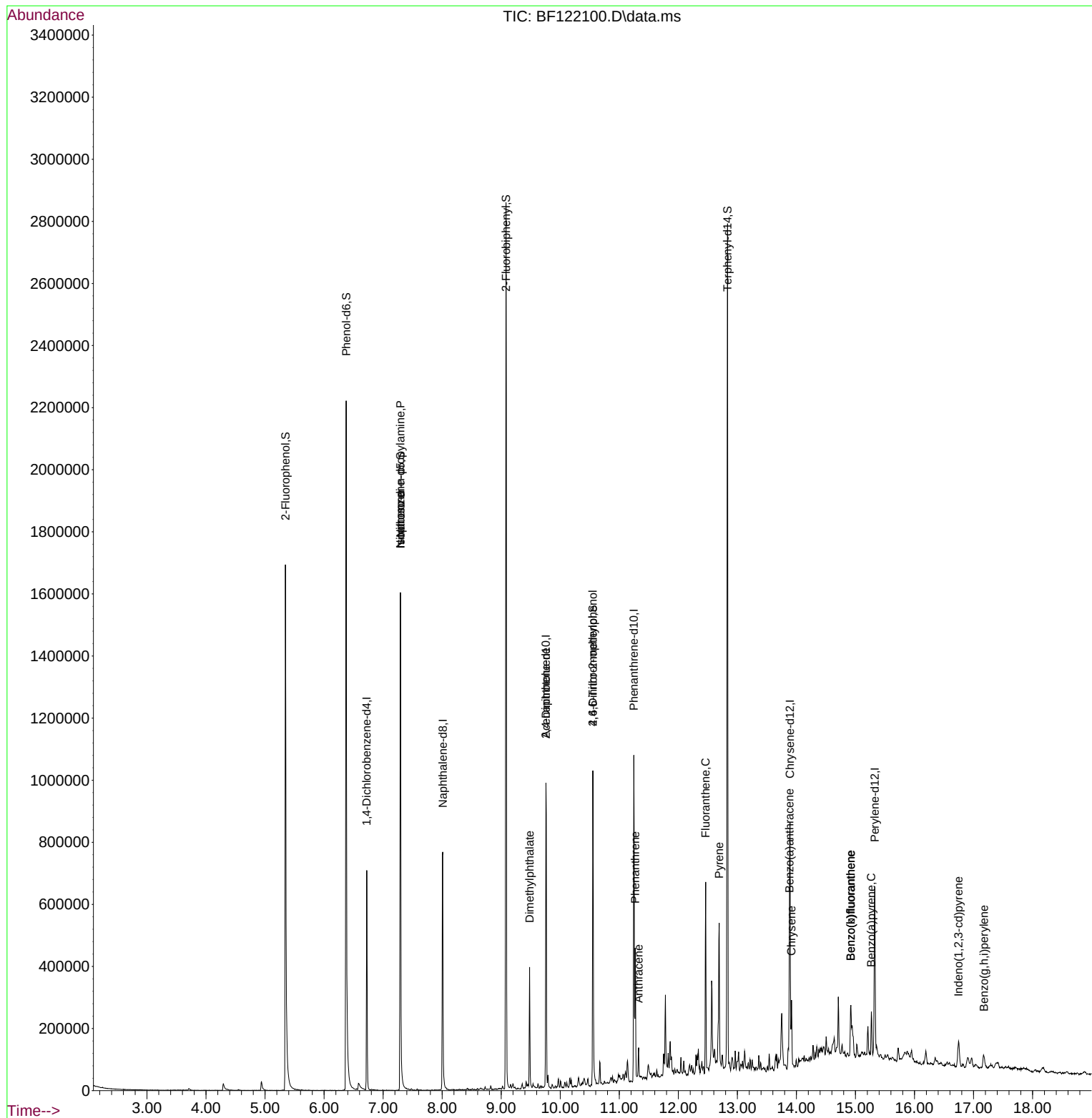
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.722	152	97477	20.00	ng	0.00
21) Naphthalene-d8	8.010	136	392990	20.00	ng	0.00
39) Acenaphthene-d10	9.757	164	201122	20.00	ng	0.00
64) Phenanthrene-d10	11.245	188	359067	20.00	ng	0.00
76) Chrysene-d12	13.892	240	242851	20.00	ng	0.00
86) Perylene-d12	15.327	264	228298	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.345	112	528525	80.02	ng	0.00
7) Phenol-d6	6.375	99	784428	92.26	ng	0.00
23) Nitrobenzene-d5	7.292	82	550771	71.88	ng	-0.01
42) 2,4,6-Tribromophenol	10.551	330	119447	48.01	ng	0.00
45) 2-Fluorobiphenyl	9.080	172	906022	66.28	ng	0.00
79) Terphenyl-d14	12.833	244	831986	65.29	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.375	77	1258	Below Cal	#	3
19) n-Nitroso-di-n-propyla...	7.292	70	74298	15.35	ng	# 80
25) Isophorone	7.292	82	549641	37.93	ng	# 67
50) Dimethylphthalate	9.480	163	137625	9.36	ng	99
57) 2,4-Dinitrotoluene	9.757	165	26334	6.63	ng	# 21
65) 4,6-Dinitro-2-methylph...	10.551	198	155	4.49	ng	# 1
71) Phenanthrene	11.269	178	153389	7.79	ng	98
72) Anthracene	11.327	178	44155	2.16	ng	98
75) Fluoranthene	12.463	202	225232	10.67	ng	97
78) Pyrene	12.692	202	190186	10.28	ng	98
81) Benzo(a)anthracene	13.880	228	93329	5.86	ng	99
83) Chrysene	13.915	228	74578	4.77	ng	98
87) Indeno(1,2,3-cd)pyrene	16.745	276	36882	2.49	ng	99
88) Benzo(b)fluoranthene	14.921	252	118006	7.65	ng	98
89) Benzo(k)fluoranthene	14.921	252	118006	8.05	ng	# 97
90) Benzo(a)pyrene	15.268	252	65931	4.95	ng	# 96
92) Benzo(g,h,i)perylene	17.174	276	35092	2.87	ng	96

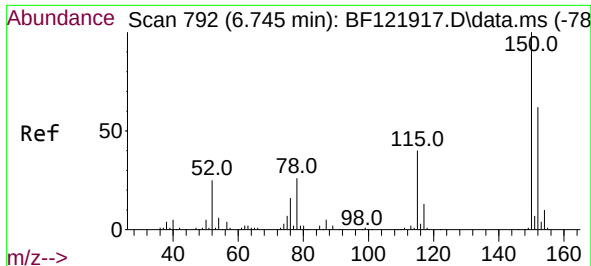
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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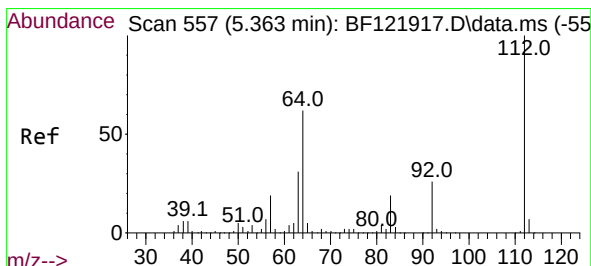
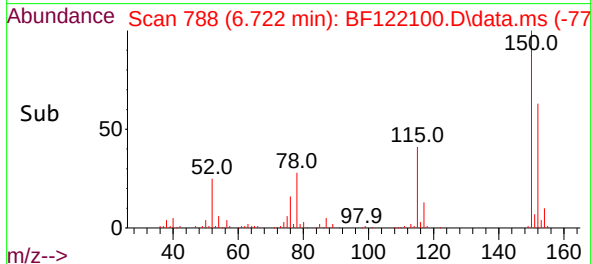
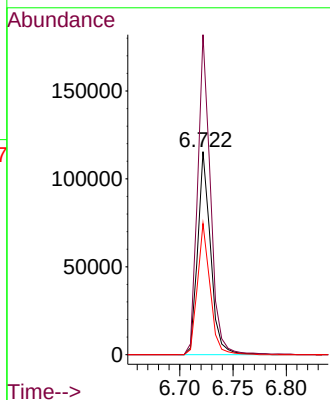
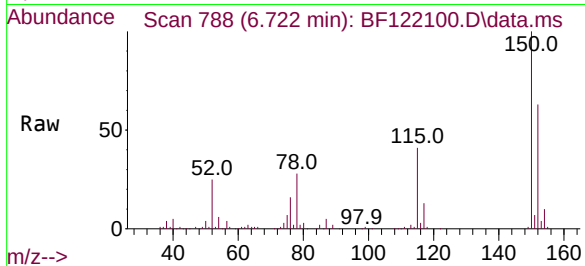




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.722 min Scan# 788
Delta R.T. -0.006 min
Lab File: BF122100.D
Acq: 23 Oct 2020 15:46

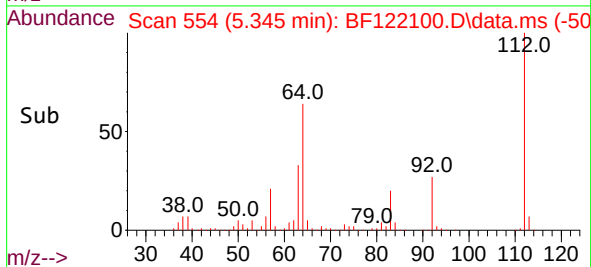
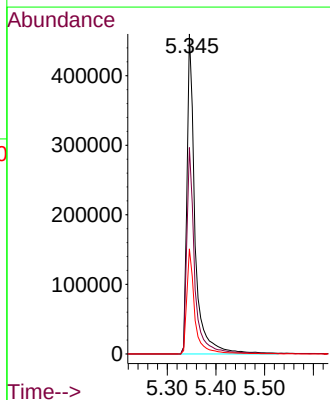
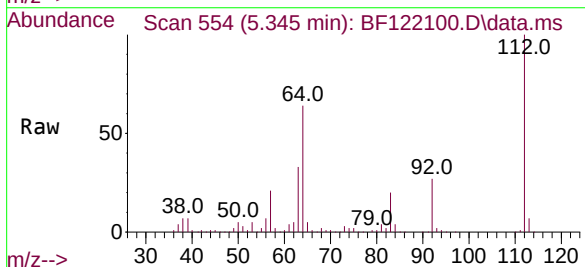
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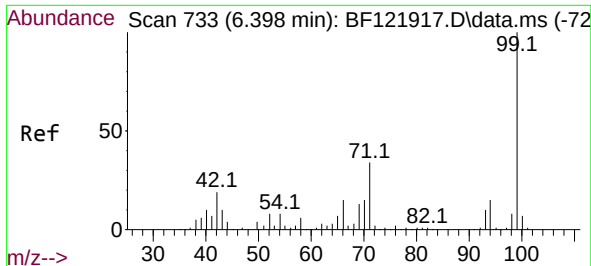
Tgt Ion:152 Resp: 97477
Ion Ratio Lower Upper
152 100
150 157.6 125.3 187.9
115 64.6 51.9 77.9



#5
2-Fluorophenol
Concen: 80.02 ng
RT: 5.345 min Scan# 554
Delta R.T. -0.000 min
Lab File: BF122100.D
Acq: 23 Oct 2020 15:46

Tgt Ion:112 Resp: 528525
Ion Ratio Lower Upper
112 100
64 64.5 50.4 75.6
63 32.8 25.8 38.6

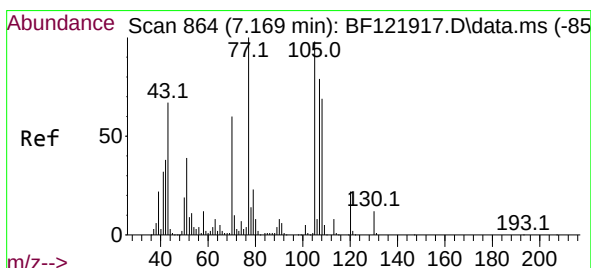
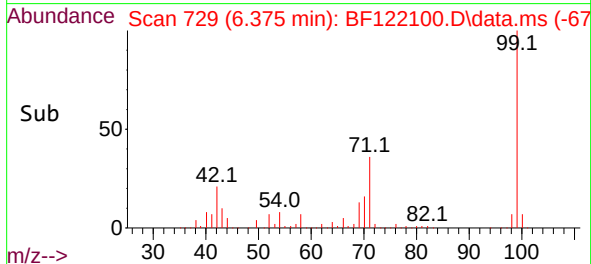
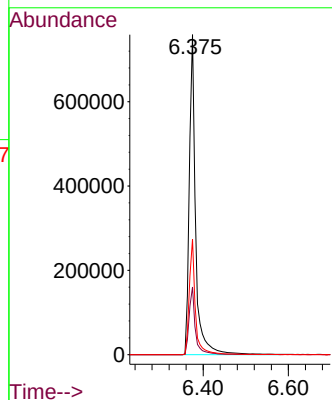
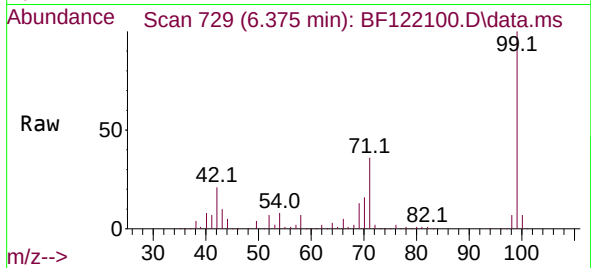




#7
Phenol-d6
Concen: 92.26 ng
RT: 6.375 min Scan# 729
Delta R.T. -0.006 min
Lab File: BF122100.D
Acq: 23 Oct 2020 15:46

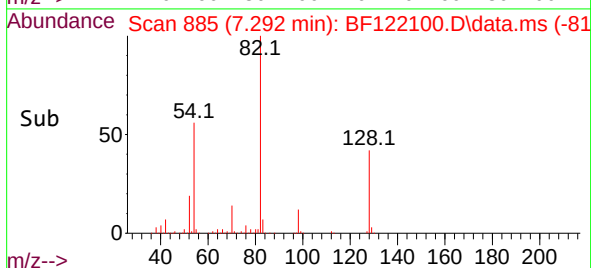
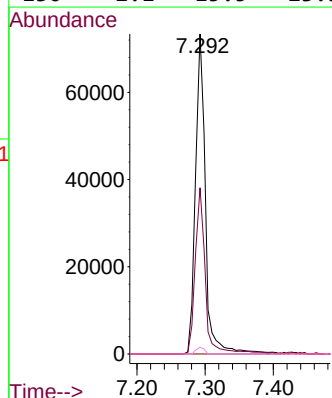
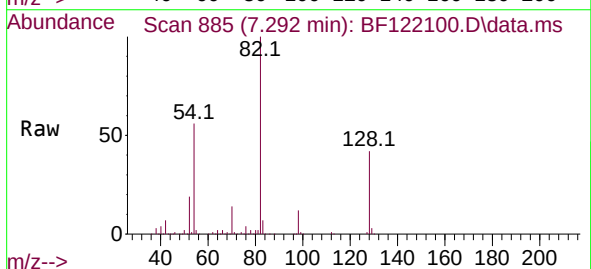
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BNA_F
ClientSampleId :
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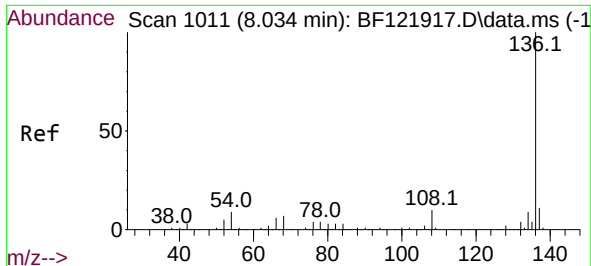
Tgt Ion: 99 Resp: 784428
Ion Ratio Lower Upper
99 100
42 21.1 15.9 23.9
71 36.1 27.1 40.7



#19
n-Nitroso-di-n-propylamine
Concen: 15.35 ng
RT: 7.292 min Scan# 885
Delta R.T. 0.135 min
Lab File: BF122100.D
Acq: 23 Oct 2020 15:46

Tgt Ion: 70 Resp: 74298
Ion Ratio Lower Upper
70 100
42 51.9 50.2 75.4
101 0.0 7.5 11.3#
130 2.1 15.5 23.3#



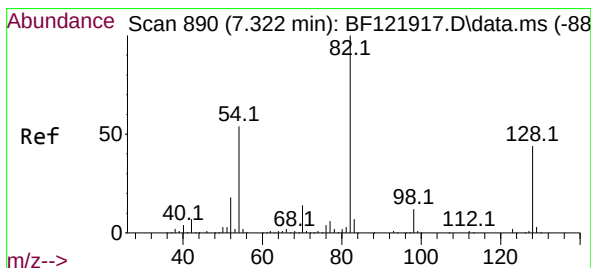
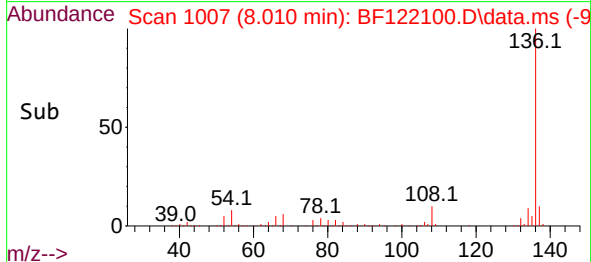
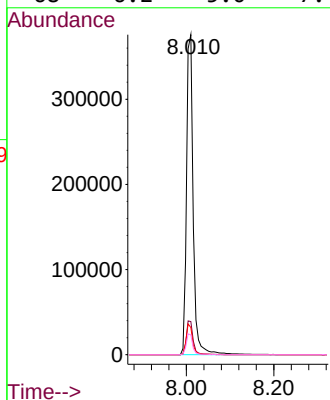
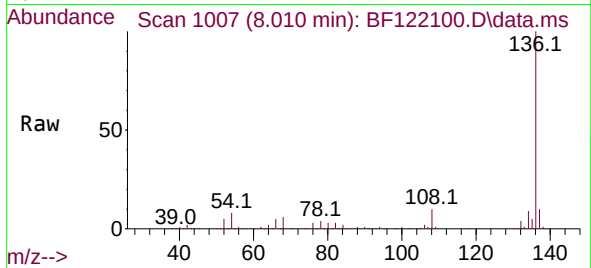


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.010 min Scan# 1007
Delta R.T. -0.000 min
Lab File: BF122100.D
Acq: 23 Oct 2020 15:46

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:136 Resp: 392990

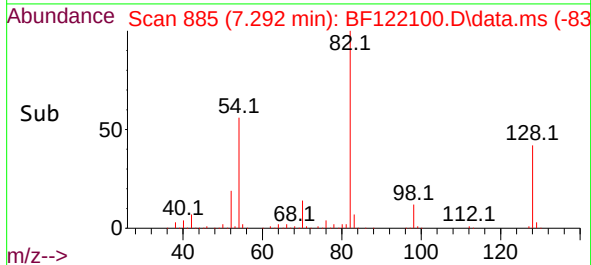
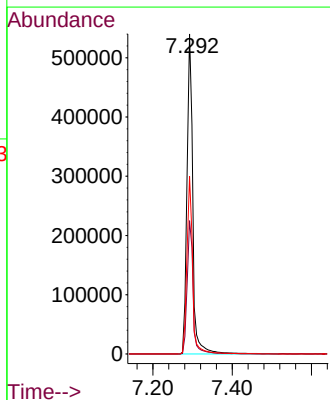
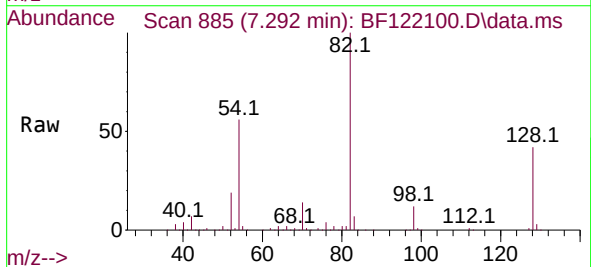
Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.6	13.0
54	8.5	7.1	10.7
68	6.2	5.0	7.4

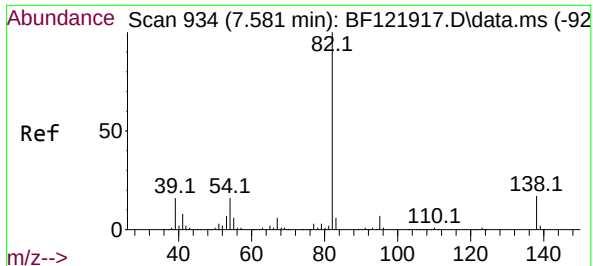


#23
Nitrobenzene-d5
Concen: 71.88 ng
RT: 7.292 min Scan# 885
Delta R.T. -0.012 min
Lab File: BF122100.D
Acq: 23 Oct 2020 15:46

Tgt Ion: 82 Resp: 550771

Ion	Ratio	Lower	Upper
82	100		
128	41.7	35.0	52.4
54	55.5	43.9	65.9

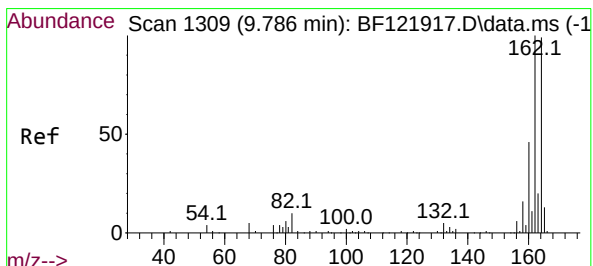
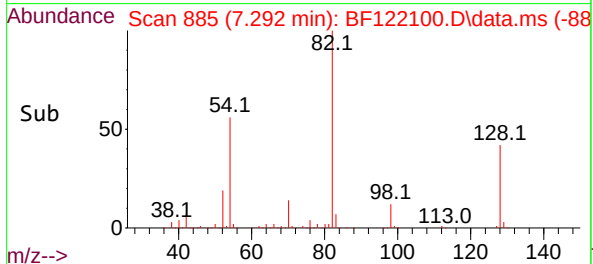
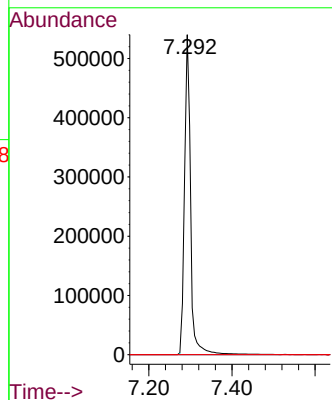
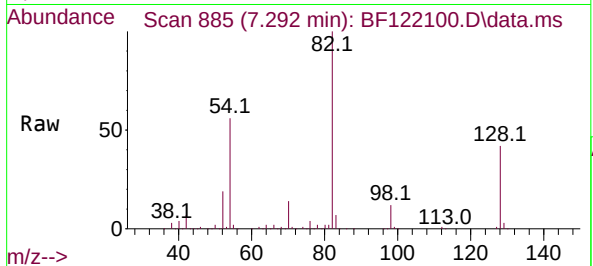




#25
Isophorone
Concen: 37.93 ng
RT: 7.292 min Scan# 885
Delta R.T. -0.271 min
Lab File: BF122100.D
Acq: 23 Oct 2020 15:46

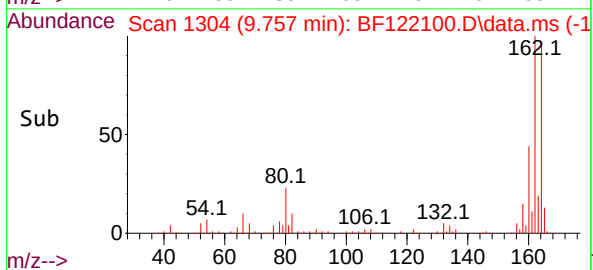
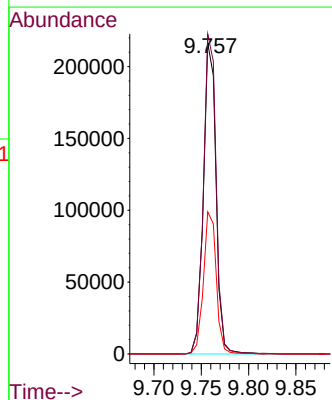
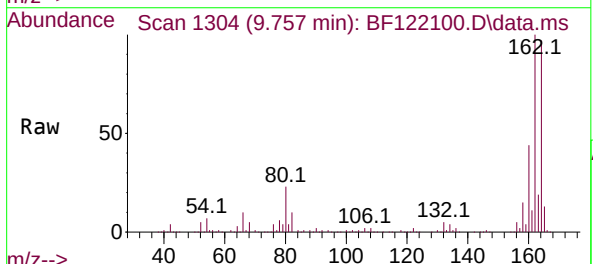
Instrument :
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ClientSampleId :
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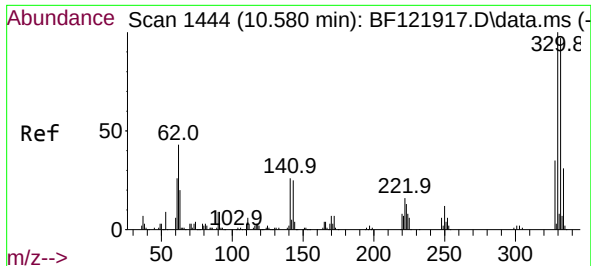
Tgt Ion: 82 Resp: 549641
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 13.4 20.0#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.757 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BF122100.D
Acq: 23 Oct 2020 15:46

Tgt Ion: 164 Resp: 201122
Ion Ratio Lower Upper
164 100
162 102.9 83.2 124.8
160 45.7 37.5 56.3

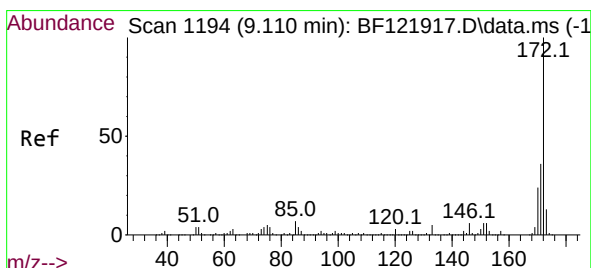
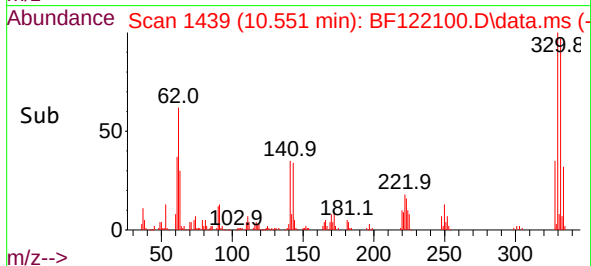
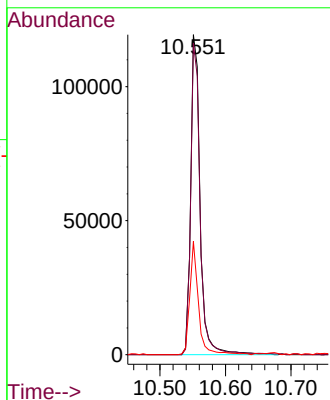
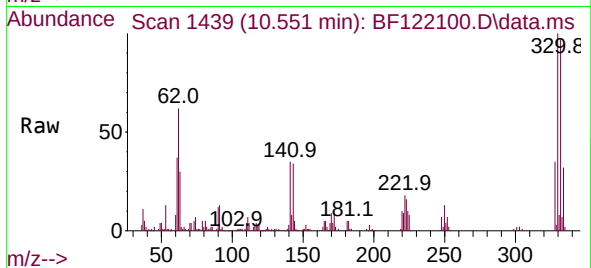




#42
2,4,6-Tribromophenol
Concen: 48.01 ng
RT: 10.551 min Scan# 1439
Delta R.T. -0.006 min
Lab File: BF122100.D
Acq: 23 Oct 2020 15:46

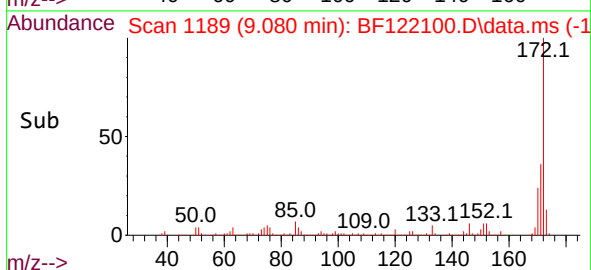
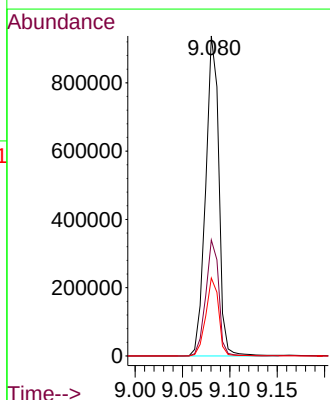
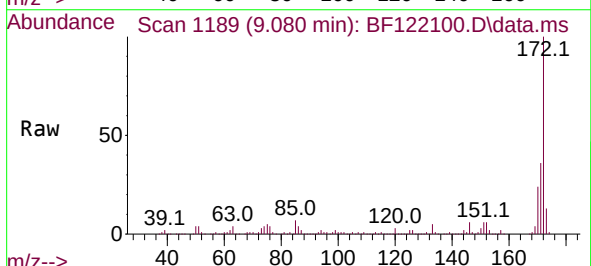
Instrument :
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ClientSampleId :
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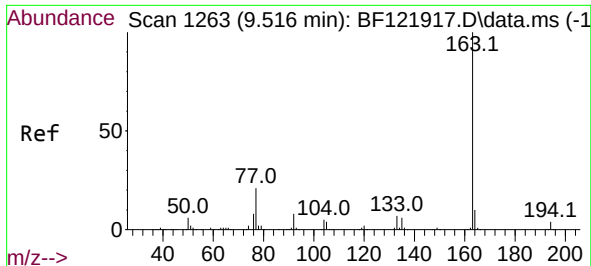
Tgt Ion: 330 Resp: 119447
Ion Ratio Lower Upper
330 100
332 97.5 77.3 115.9
141 32.6 22.3 33.5



#45
2-Fluorobiphenyl
Concen: 66.28 ng
RT: 9.080 min Scan# 1189
Delta R.T. -0.006 min
Lab File: BF122100.D
Acq: 23 Oct 2020 15:46

Tgt Ion: 172 Resp: 906022
Ion Ratio Lower Upper
172 100
171 36.2 29.1 43.7
170 24.4 19.8 29.6

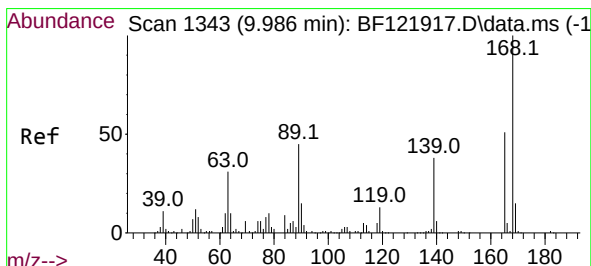
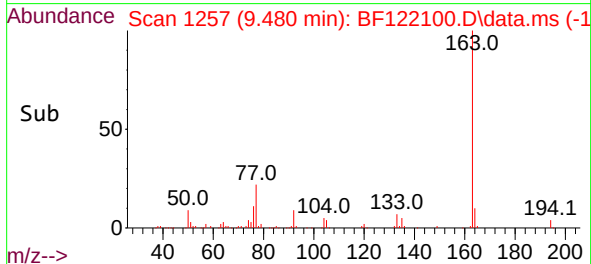
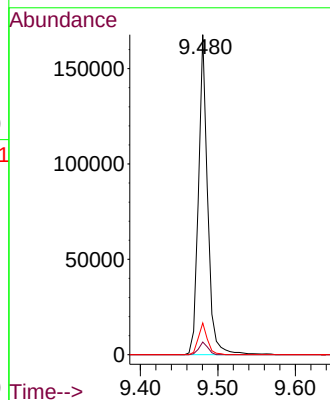
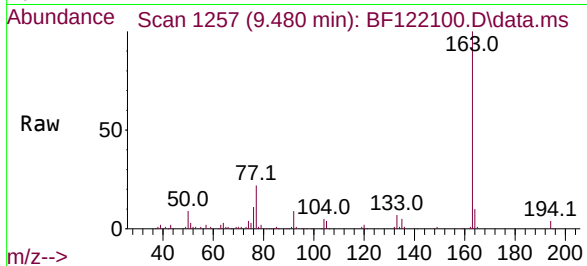




#50
Dimethylphthalate
Concen: 9.36 ng
RT: 9.480 min Scan# 1257
Delta R.T. -0.012 min
Lab File: BF122100.D
Acq: 23 Oct 2020 15:46

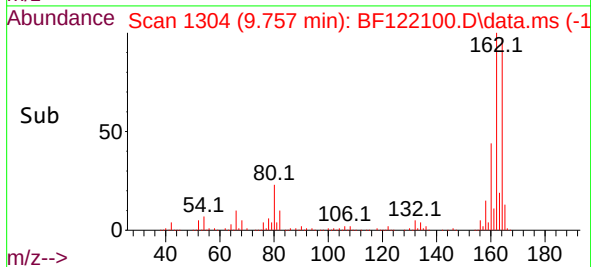
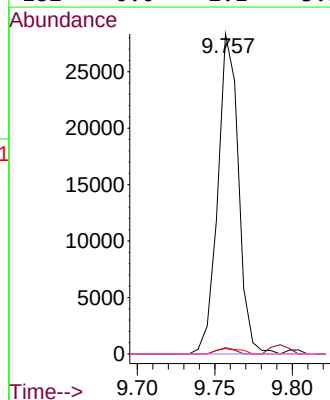
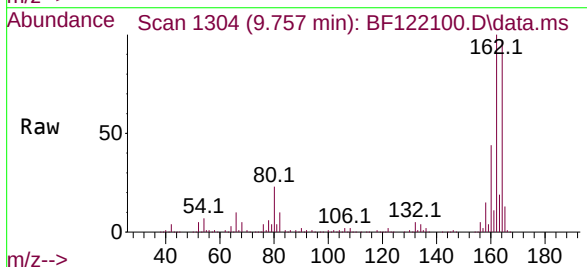
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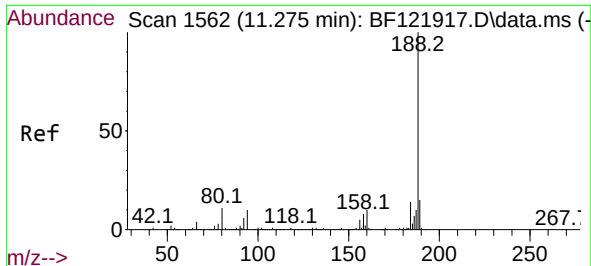
Tgt Ion:163 Resp: 137625
Ion Ratio Lower Upper
163 100
194 3.9 3.3 4.9
164 9.9 8.2 12.4



#57
2,4-Dinitrotoluene
Concen: 6.63 ng
RT: 9.757 min Scan# 1304
Delta R.T. -0.218 min
Lab File: BF122100.D
Acq: 23 Oct 2020 15:46

Tgt Ion:165 Resp: 26334
Ion Ratio Lower Upper
165 100
63 1.7 41.3 61.9#
89 2.0 61.8 92.8#
182 0.0 2.1 3.1#

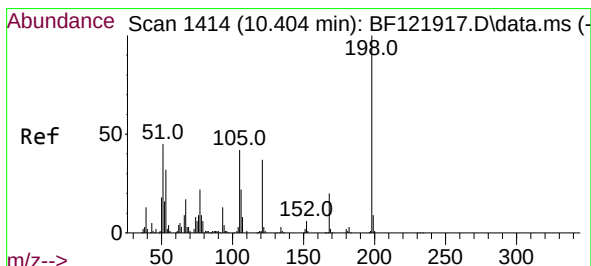
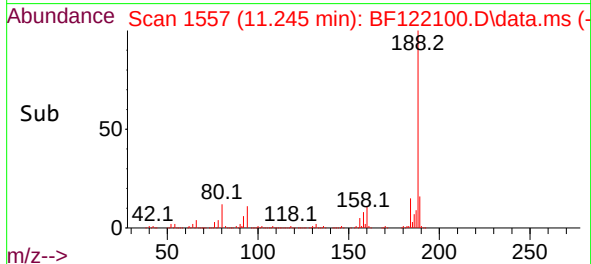
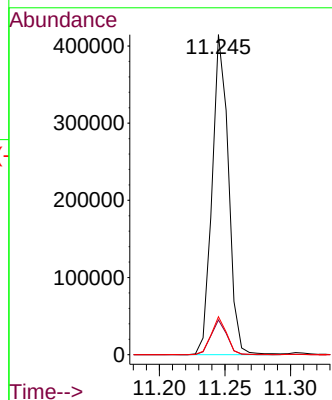
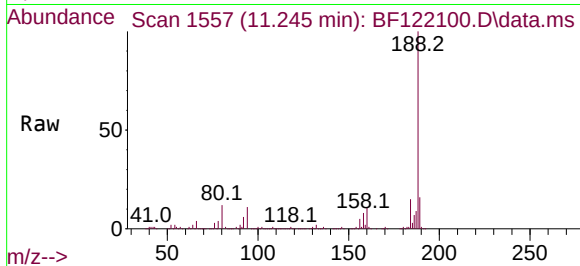




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.245 min Scan# 1557
Delta R.T. -0.000 min
Lab File: BF122100.D
Acq: 23 Oct 2020 15:46

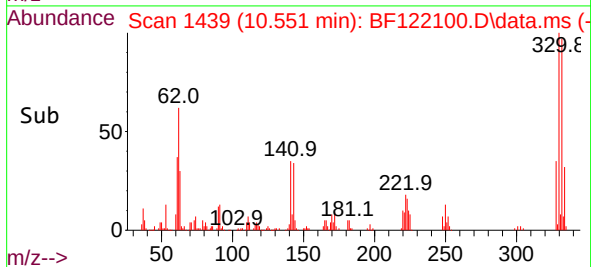
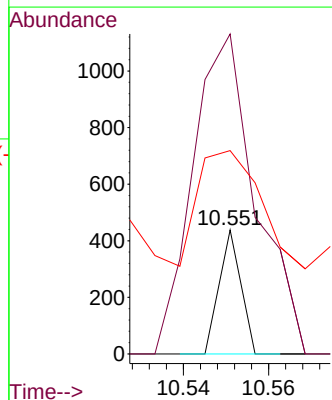
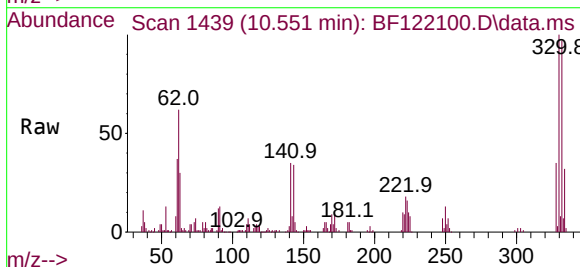
Instrument :
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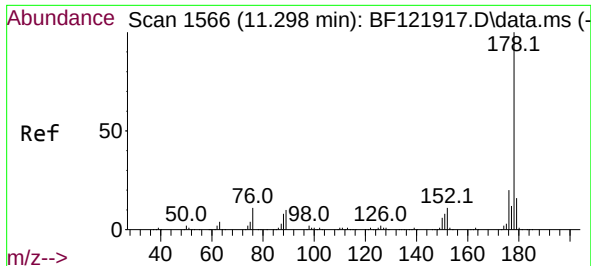
Tgt Ion:188	Resp:	359067
Ion Ratio	Lower	Upper
188	100	
94	10.9	8.3 12.5
80	11.8	9.1 13.7



#65
4,6-Dinitro-2-methylphenol
Concen: 4.49 ng
RT: 10.551 min Scan# 1439
Delta R.T. 0.165 min
Lab File: BF122100.D
Acq: 23 Oct 2020 15:46

Tgt Ion:198	Resp:	155
Ion Ratio	Lower	Upper
198	100	
51	258.2	29.6 69.6#
105	164.2	24.4 64.4#

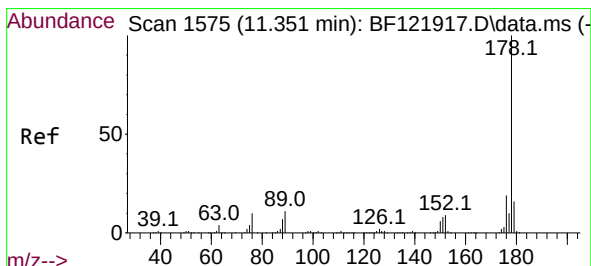
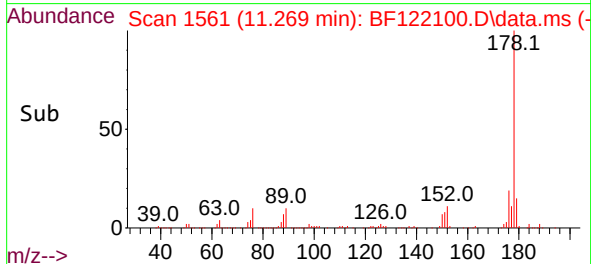
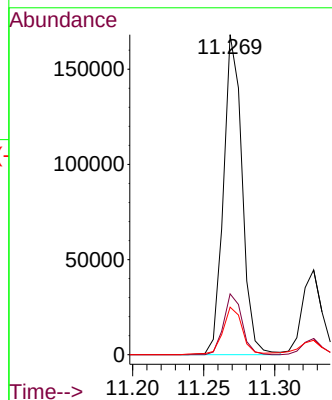
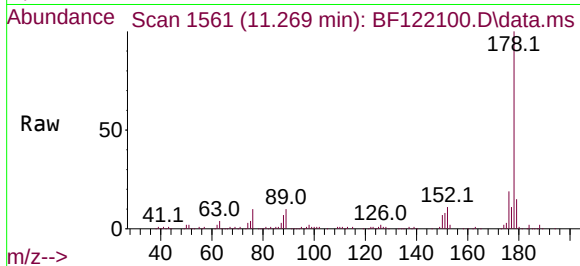




#71
Phenanthrene
Concen: 7.79 ng
RT: 11.269 min Scan# 1561
Delta R.T. -0.006 min
Lab File: BF122100.D
Acq: 23 Oct 2020 15:46

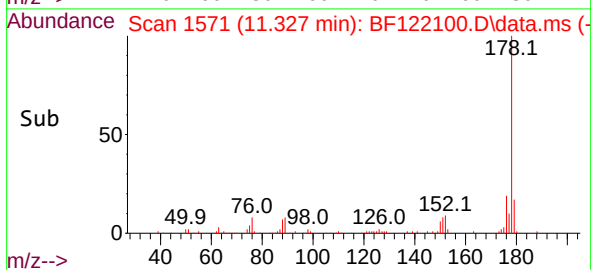
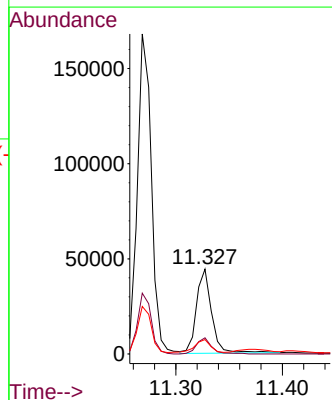
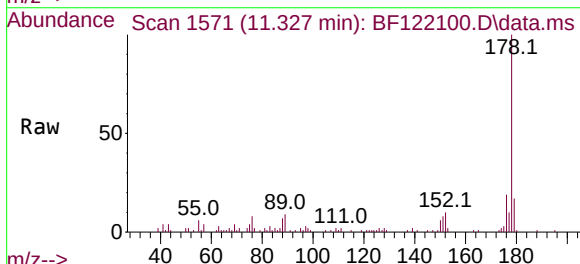
Instrument :
BNA_F
ClientSampleId :
202

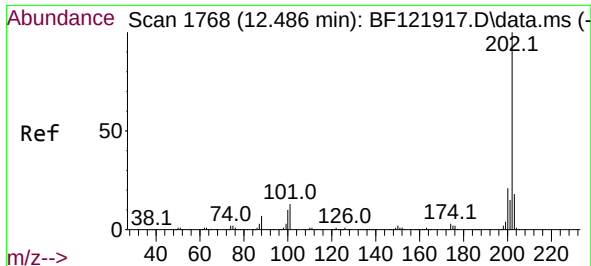
Tgt Ion:178 Resp: 153389
Ion Ratio Lower Upper
178 100
176 19.0 15.9 23.9
179 14.9 12.2 18.4



#72
Anthracene
Concen: 2.16 ng
RT: 11.327 min Scan# 1571
Delta R.T. -0.000 min
Lab File: BF122100.D
Acq: 23 Oct 2020 15:46

Tgt Ion:178 Resp: 44155
Ion Ratio Lower Upper
178 100
176 19.1 15.7 23.5
179 17.0 12.7 19.1

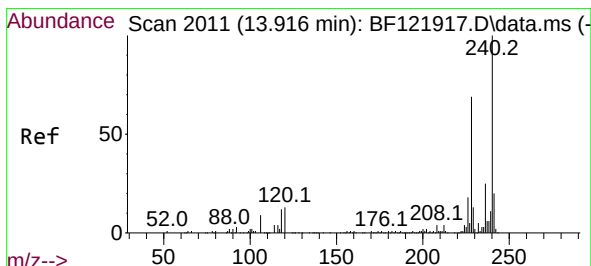
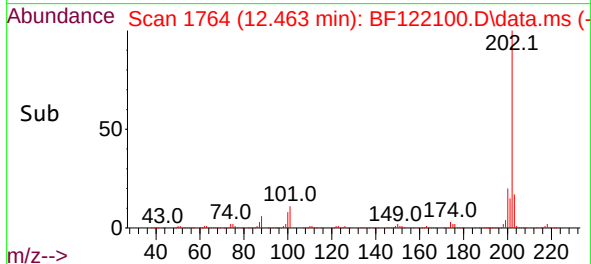
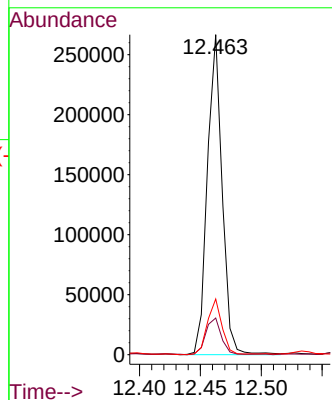
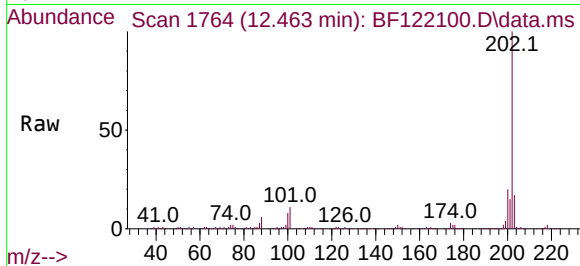




#75
Fluoranthene
Concen: 10.67 ng
RT: 12.463 min Scan# 1764
Delta R.T. -0.000 min
Lab File: BF122100.D
Acq: 23 Oct 2020 15:46

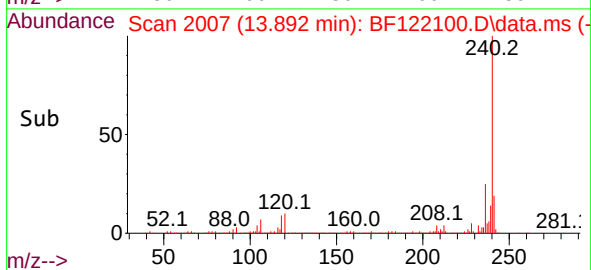
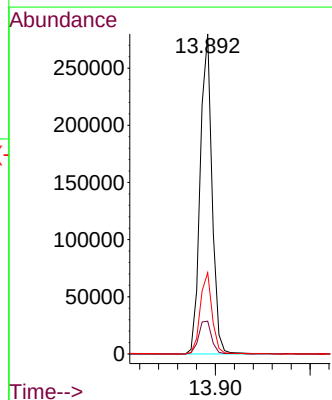
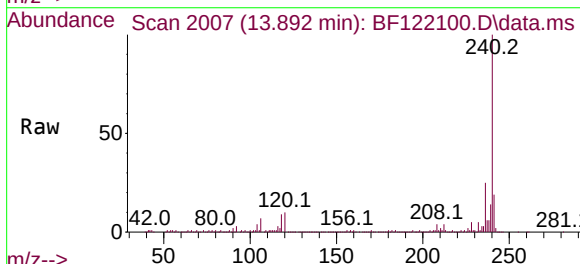
Instrument :
BNA_F
ClientSampleId :
202

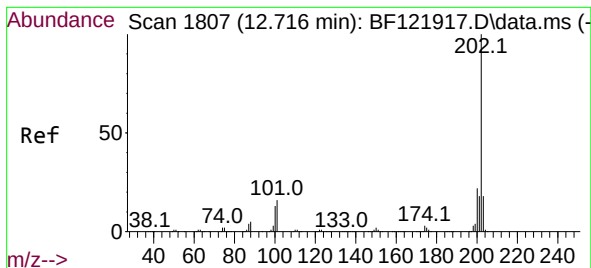
Tgt Ion:202 Resp: 225232
Ion Ratio Lower Upper
202 100
101 11.5 0.0 33.4
203 17.4 0.0 37.9



#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.892 min Scan# 2007
Delta R.T. 0.006 min
Lab File: BF122100.D
Acq: 23 Oct 2020 15:46

Tgt Ion:240 Resp: 242851
Ion Ratio Lower Upper
240 100
120 10.2 9.2 13.8
236 25.4 20.9 31.3

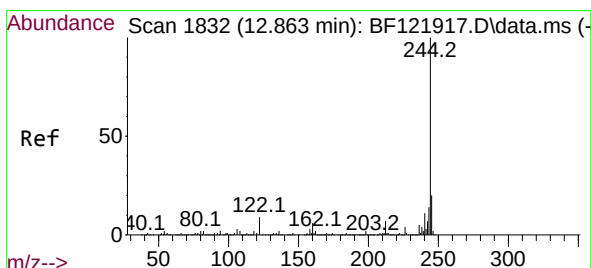
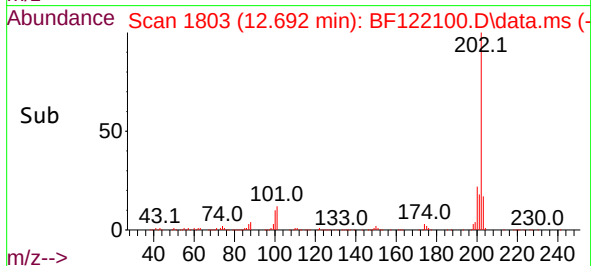
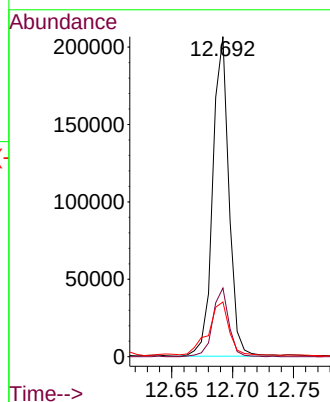
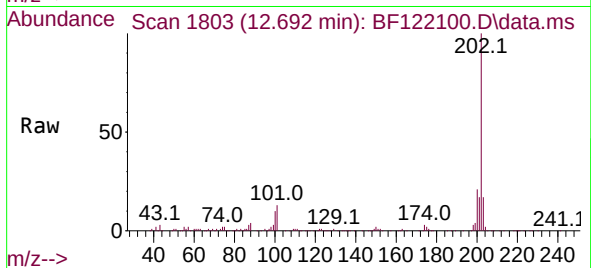




#78
Pyrene
Concen: 10.28 ng
RT: 12.692 min Scan# 1803
Delta R.T. 0.006 min
Lab File: BF122100.D
Acq: 23 Oct 2020 15:46

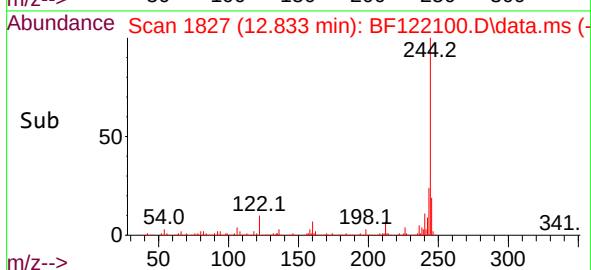
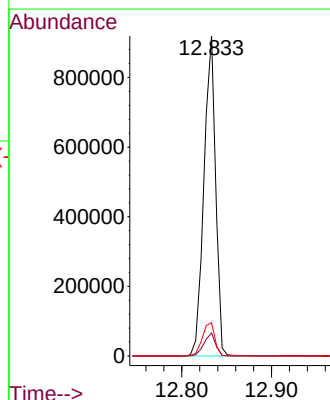
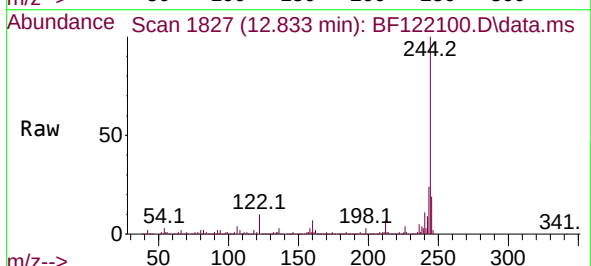
Instrument :
BNA_F
ClientSampleId :
202

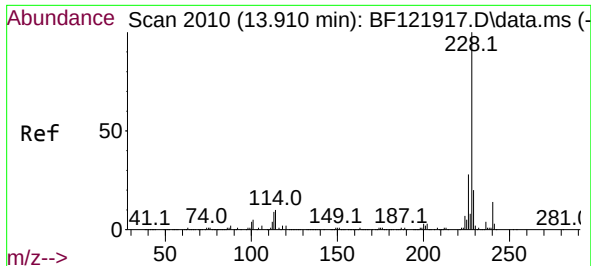
Tgt Ion:202 Resp: 190186
Ion Ratio Lower Upper
202 100
200 21.5 17.4 26.2
203 17.1 14.6 21.8



#79
Terphenyl-d14
Concen: 65.29 ng
RT: 12.833 min Scan# 1827
Delta R.T. -0.000 min
Lab File: BF122100.D
Acq: 23 Oct 2020 15:46

Tgt Ion:244 Resp: 831986
Ion Ratio Lower Upper
244 100
212 7.2 5.4 8.2
122 10.4 8.1 12.1

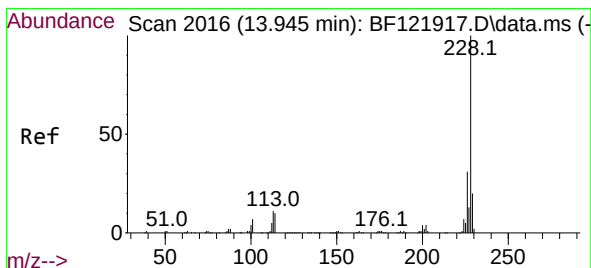
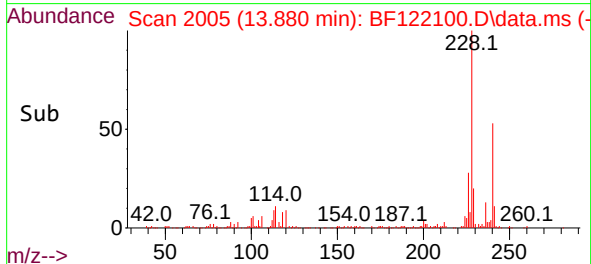
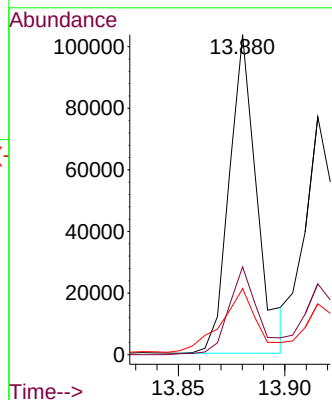
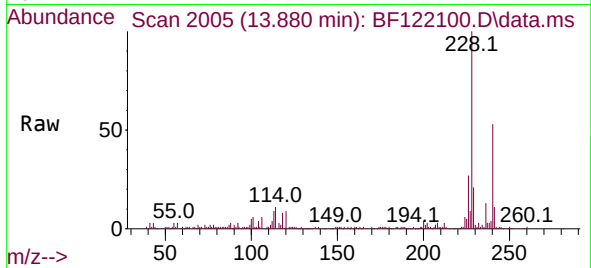




#81
Benzo(a)anthracene
Concen: 5.86 ng
RT: 13.880 min Scan# 2005
Delta R.T. -0.000 min
Lab File: BF122100.D
Acq: 23 Oct 2020 15:46

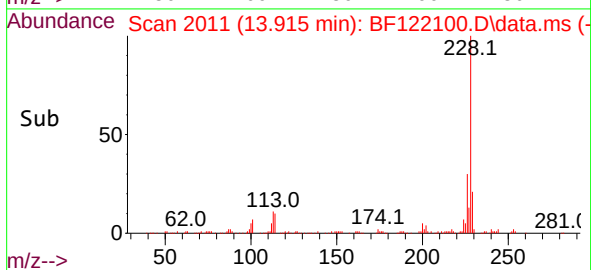
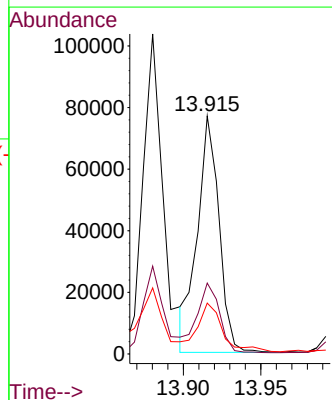
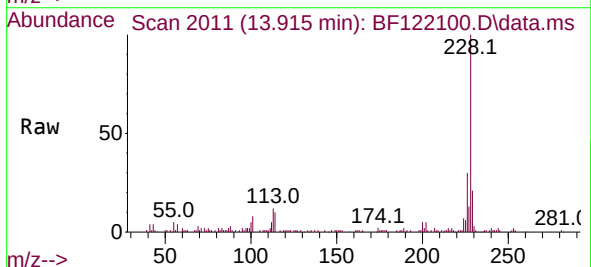
Instrument :
BNA_F
ClientSampleId :
202

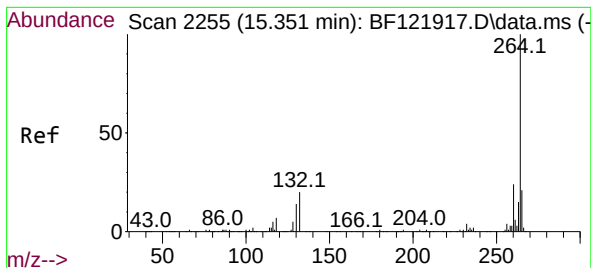
Tgt Ion:228 Resp: 93329
Ion Ratio Lower Upper
228 100
226 27.4 22.3 33.5
229 20.6 16.2 24.4



#83
Chrysene
Concen: 4.77 ng
RT: 13.915 min Scan# 2011
Delta R.T. -0.000 min
Lab File: BF122100.D
Acq: 23 Oct 2020 15:46

Tgt Ion:228 Resp: 74578
Ion Ratio Lower Upper
228 100
226 29.8 24.6 37.0
229 21.4 15.9 23.9

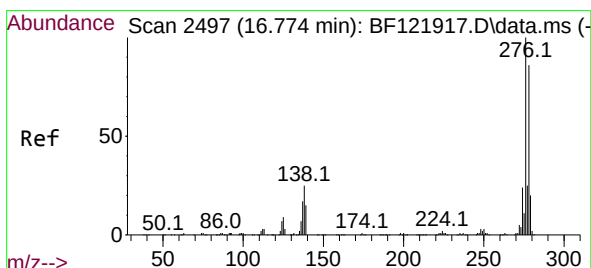
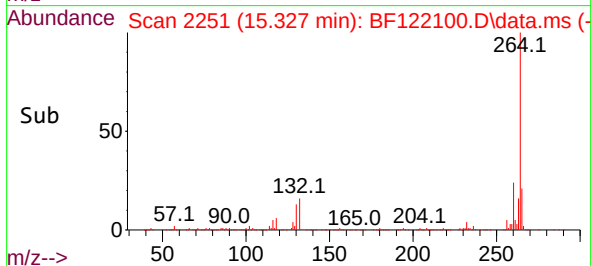
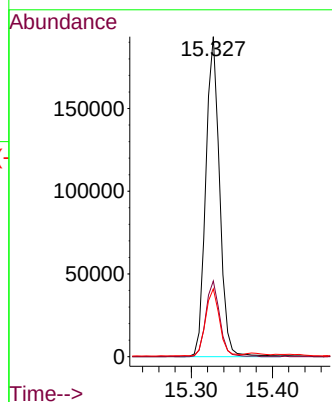
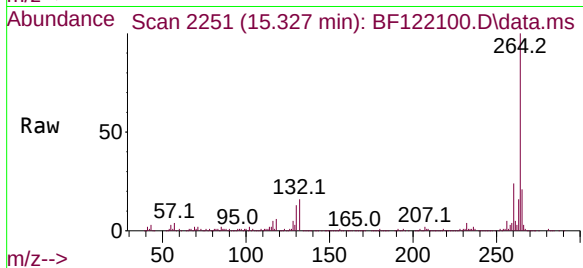




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.327 min Scan# 2251
Delta R.T. 0.012 min
Lab File: BF122100.D
Acq: 23 Oct 2020 15:46

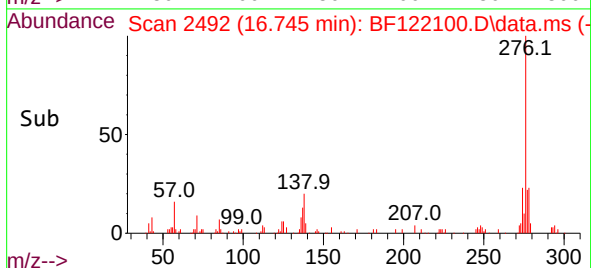
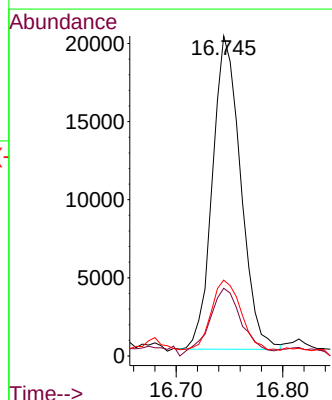
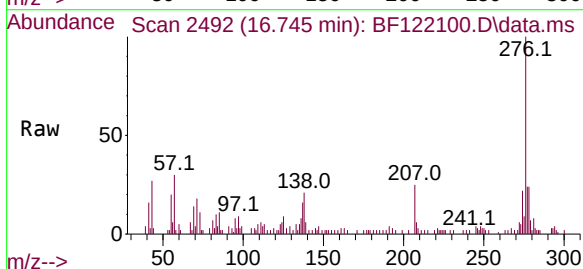
Instrument :
BNA_F
ClientSampleId :
202

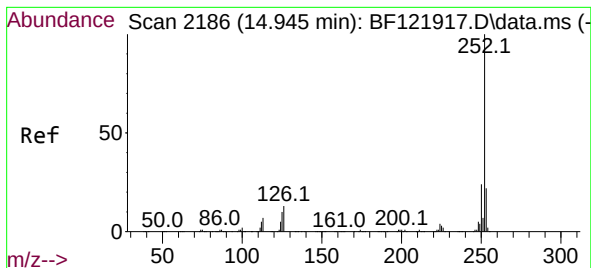
Tgt Ion:264 Resp: 228298
Ion Ratio Lower Upper
264 100
260 23.7 18.7 28.1
265 21.2 17.3 25.9



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.49 ng
RT: 16.745 min Scan# 2492
Delta R.T. 0.017 min
Lab File: BF122100.D
Acq: 23 Oct 2020 15:46

Tgt Ion:276 Resp: 36882
Ion Ratio Lower Upper
276 100
138 25.5 19.9 29.9
277 26.3 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 7.65 ng

RT: 14.921 min Scan# 2182

Delta R.T. 0.012 min

Lab File: BF122100.D

Acq: 23 Oct 2020 15:46

Tgt Ion:252 Resp: 118006

Ion Ratio Lower Upper

252 100

253 23.3 18.2 27.2

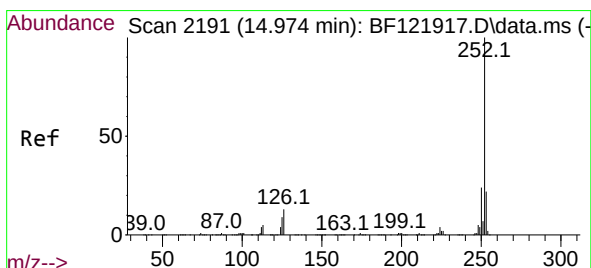
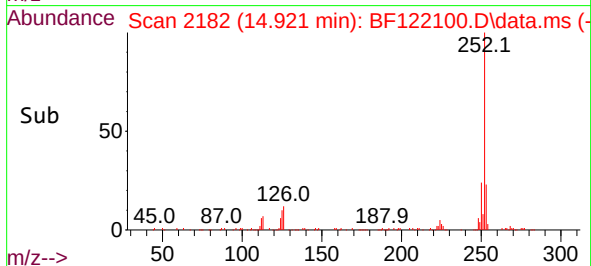
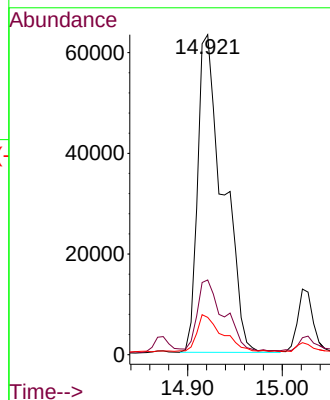
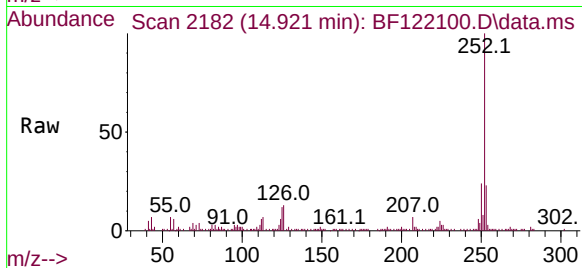
125 11.7 8.0 12.0

Instrument :

BNA_F

ClientSampleId :

202



#89

Benzo(k)fluoranthene

Concen: 8.05 ng

RT: 14.921 min Scan# 2182

Delta R.T. -0.012 min

Lab File: BF122100.D

Acq: 23 Oct 2020 15:46

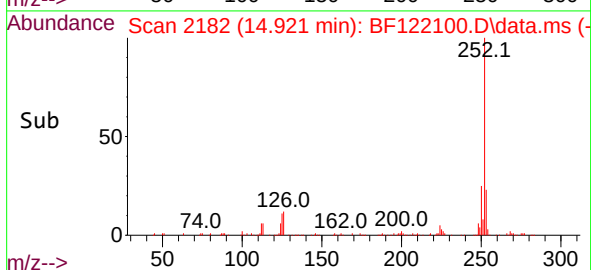
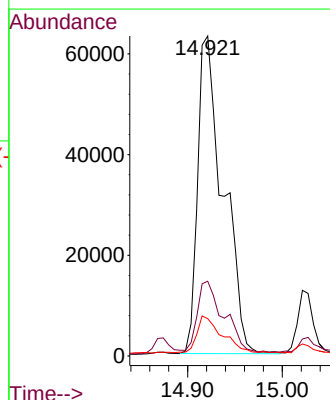
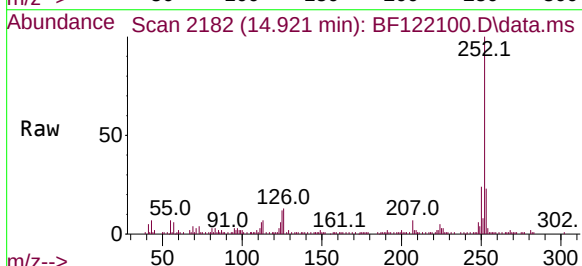
Tgt Ion:252 Resp: 118006

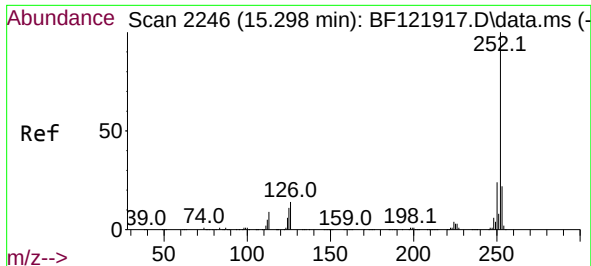
Ion Ratio Lower Upper

252 100

253 23.3 17.8 26.6

125 11.7 7.7 11.5#

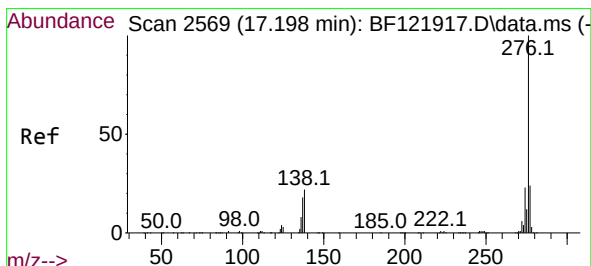
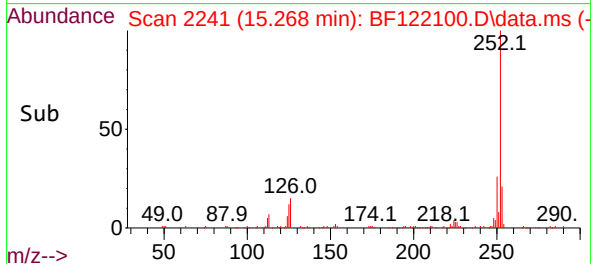
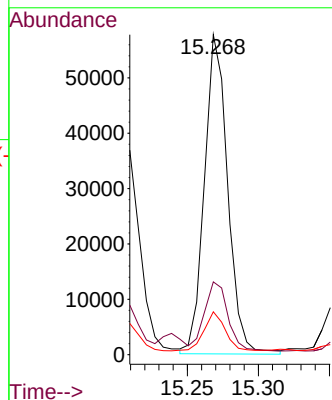
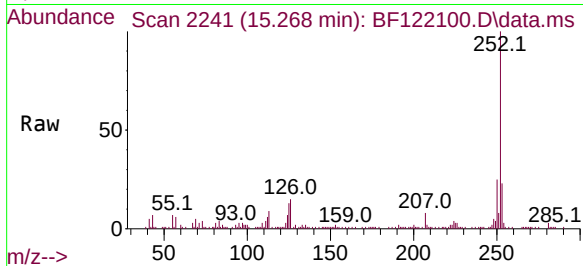




#90
Benzo(a)pyrene
Concen: 4.95 ng
RT: 15.268 min Scan# 2241
Delta R.T. 0.012 min
Lab File: BF122100.D
Acq: 23 Oct 2020 15:46

Instrument :
BNA_F
ClientSampled :
202

Tgt Ion:252 Resp: 65931
Ion Ratio Lower Upper
252 100
253 22.8 17.3 25.9
125 13.4 8.6 13.0#



#92
Benzo(g,h,i)perylene
Concen: 2.87 ng
RT: 17.174 min Scan# 2565
Delta R.T. 0.035 min
Lab File: BF122100.D
Acq: 23 Oct 2020 15:46

Tgt Ion:276 Resp: 35092
Ion Ratio Lower Upper
276 100
277 27.4 19.4 29.2
138 22.5 17.8 26.6

