

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101520\
 Data File : BF122002.D
 Acq On : 15 Oct 2020 20:51
 Operator : JU/CG
 Sample : L4406-01 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-101420-A

Quant Time: Oct 16 01:09:06 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 15 12:55:05 2020
 Response via : Initial Calibration

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

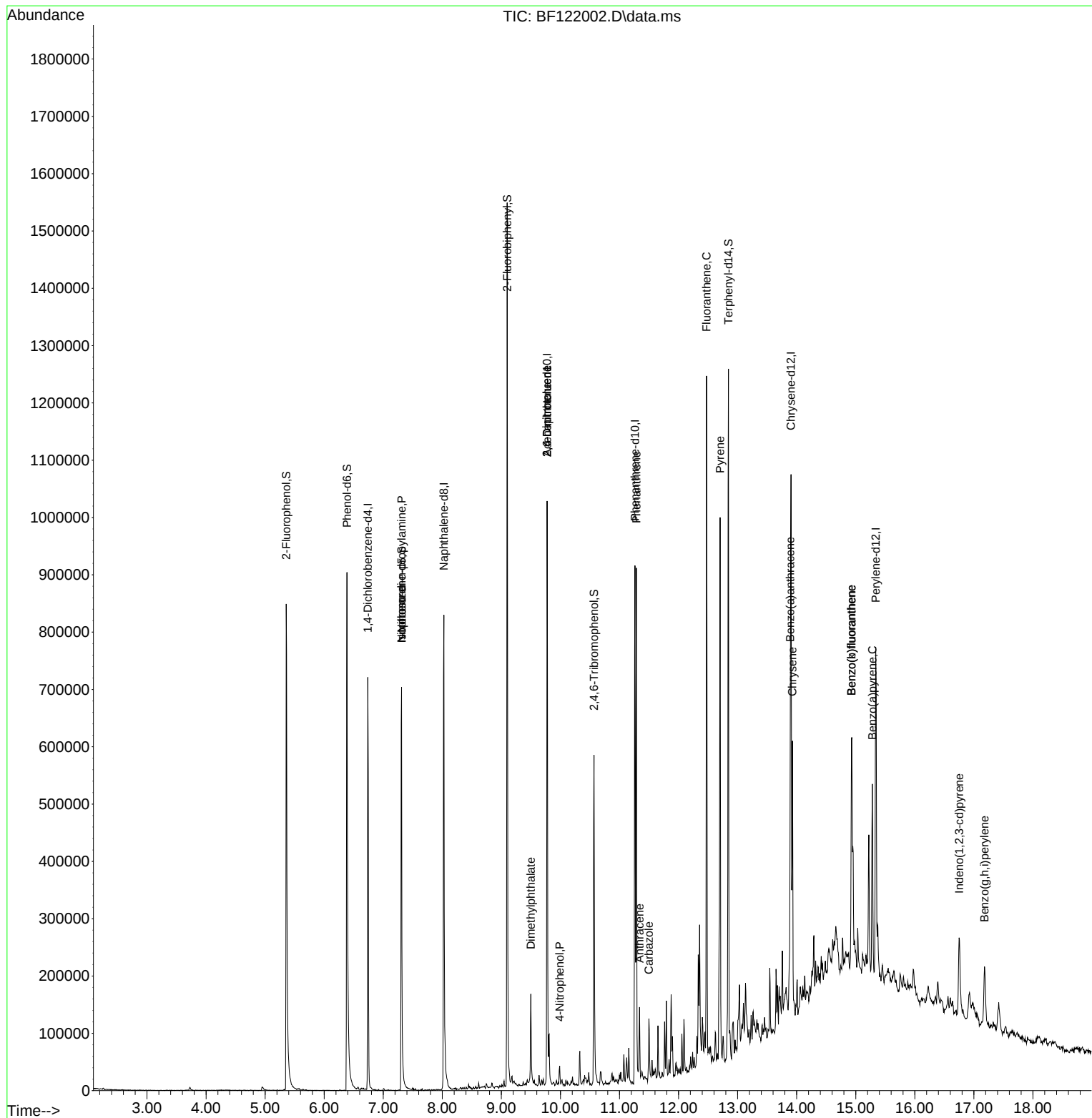
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.739	152	106251	20.00	ng	0.00
21) Naphthalene-d8	8.028	136	413101	20.00	ng	0.00
39) Acenaphthene-d10	9.775	164	204107	20.00	ng	0.00
64) Phenanthrene-d10	11.263	188	329708	20.00	ng	0.00
76) Chrysene-d12	13.904	240	247390	20.00	ng	0.00
86) Perylene-d12	15.339	264	252391	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	299341	41.58	ng	0.00
7) Phenol-d6	6.387	99	393591	42.47	ng	0.00
23) Nitrobenzene-d5	7.310	82	264066	32.78	ng	0.00
42) 2,4,6-Tribromophenol	10.569	330	79069	31.32	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	473100	34.10	ng	0.00
79) Terphenyl-d14	12.845	244	351614	27.09	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.387	77	465	Below Cal	#	3
19) n-Nitroso-di-n-propyla...	7.310	70	34043	6.45 ng	#	80
25) Isophorone	7.310	82	264064	17.34 ng	#	67
50) Dimethylphthalate	9.498	163	68104	4.56 ng		99
51) 2,6-Dinitrotoluene	9.775	165	27092	8.28 ng	#	21
56) 4-Nitrophenol	9.986	139	4935	2.44 ng	#	16
57) 2,4-Dinitrotoluene	9.775	165	27092	6.72 ng	#	20
71) Phenanthrene	11.286	178	317982	17.59 ng		99
72) Anthracene	11.339	178	48287	2.58 ng		98
73) Carbazole	11.498	167	39685	2.38 ng		99
75) Fluoranthene	12.474	202	436791	22.53 ng		98
78) Pyrene	12.704	202	360985	19.15 ng		98
81) Benzo(a)anthracene	13.892	228	184686	11.39 ng		99
83) Chrysene	13.927	228	168656	10.60 ng		98
87) Indeno(1,2,3-cd)pyrene	16.751	276	83060	5.07 ng		96
88) Benzo(b)fluoranthene	14.927	252	302265	17.72 ng	#	97
89) Benzo(k)fluoranthene	14.927	252	302265	18.65 ng	#	96
90) Benzo(a)pyrene	15.280	252	152099	10.32 ng		97
92) Benzo(g,h,i)perylene	17.180	276	78567	5.82 ng		99

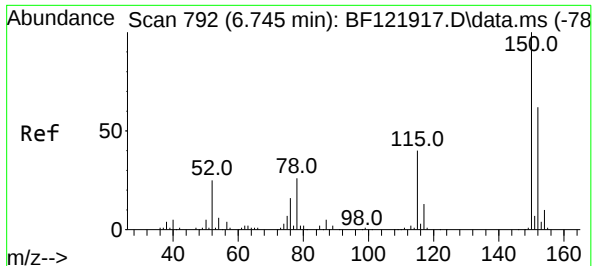
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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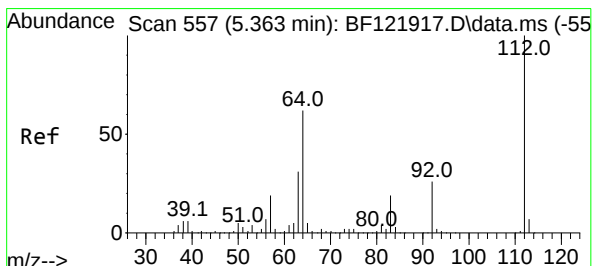
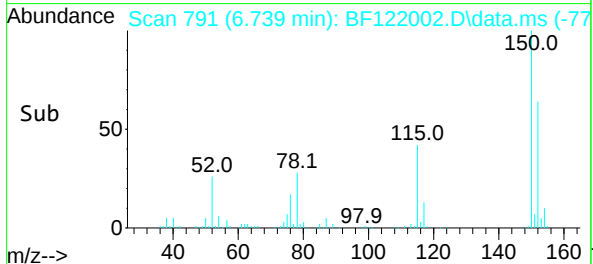
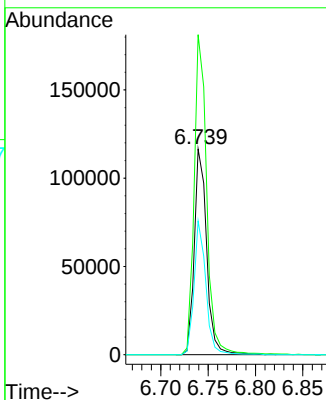
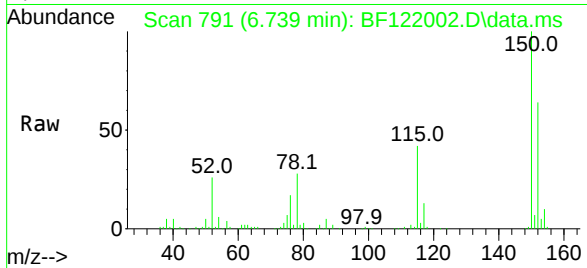




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.739 min Scan# 791
Delta R.T. -0.006 min
Lab File: BF122002.D
Acq: 15 Oct 2020 20:51

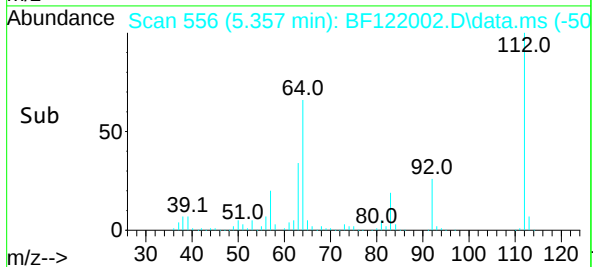
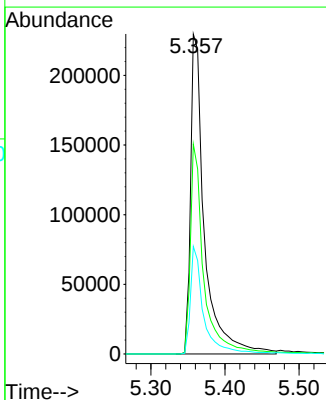
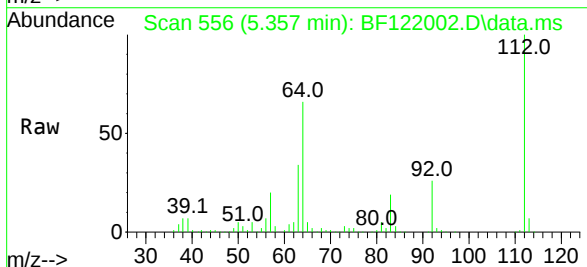
Instrument :
BNA_F
ClientSampleId :
JC-02-101420-A

Tgt Ion:152 Resp: 106251
Ion Ratio Lower Upper
152 100
150 155.6 125.3 187.9
115 65.1 51.9 77.9



#5
2-Fluorophenol
Concen: 41.58 ng
RT: 5.357 min Scan# 556
Delta R.T. -0.006 min
Lab File: BF122002.D
Acq: 15 Oct 2020 20:51

Tgt Ion:112 Resp: 299341
Ion Ratio Lower Upper
112 100
64 65.6 50.4 75.6
63 33.6 25.8 38.6

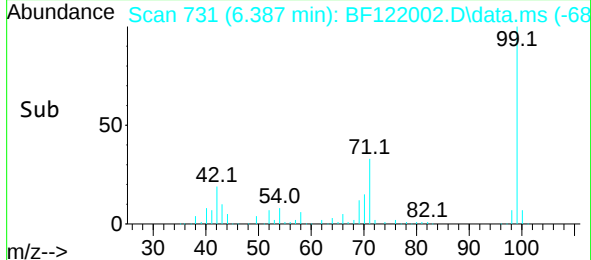
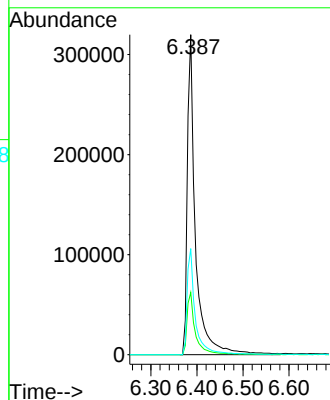
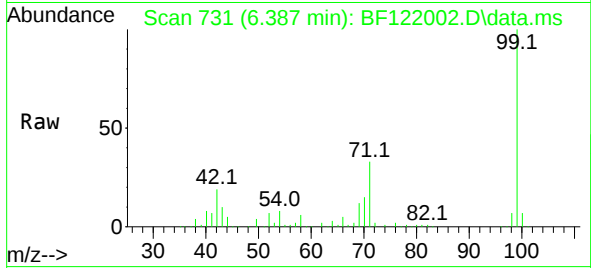




#7
Phenol-d6
Concen: 42.47 ng
RT: 6.387 min Scan# 731
Delta R.T. -0.006 min
Lab File: BF122002.D
Acq: 15 Oct 2020 20:51

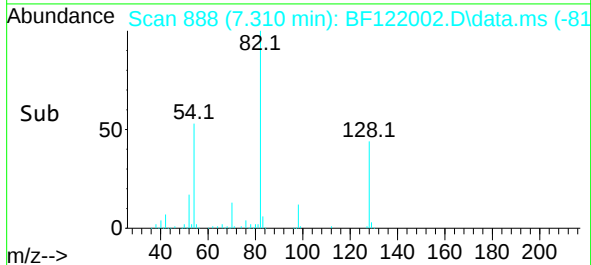
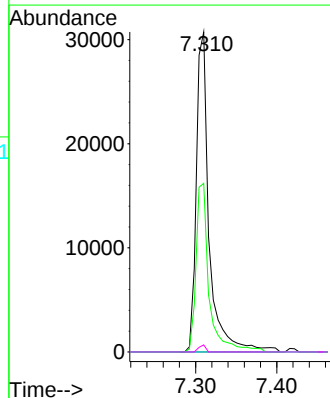
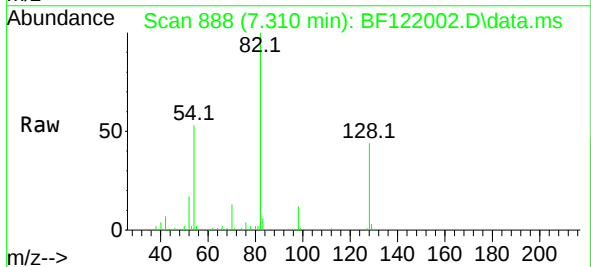
Instrument :
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ClientSampleId :
JC-02-101420-A

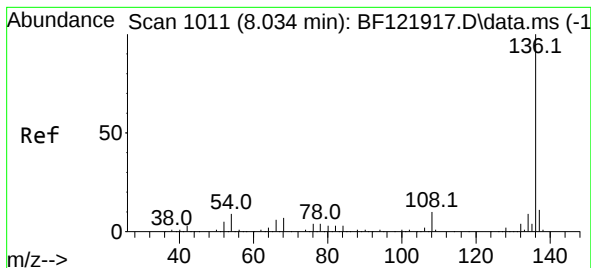
Tgt Ion: 99 Resp: 393591
Ion Ratio Lower Upper
99 100
42 19.5 15.9 23.9
71 33.2 27.1 40.7



#19
n-Nitroso-di-n-propylamine
Concen: 6.45 ng
RT: 7.310 min Scan# 888
Delta R.T. 0.147 min
Lab File: BF122002.D
Acq: 15 Oct 2020 20:51

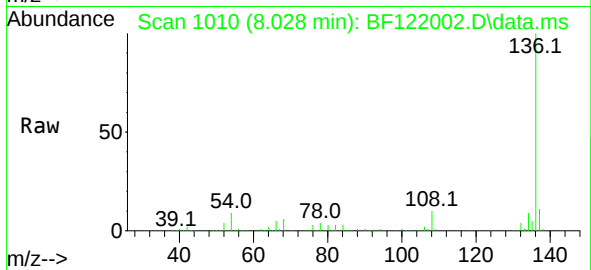
Tgt Ion: 70 Resp: 34043
Ion Ratio Lower Upper
70 100
42 52.7 50.2 75.4
101 0.0 7.5 11.3#
130 2.2 15.5 23.3#



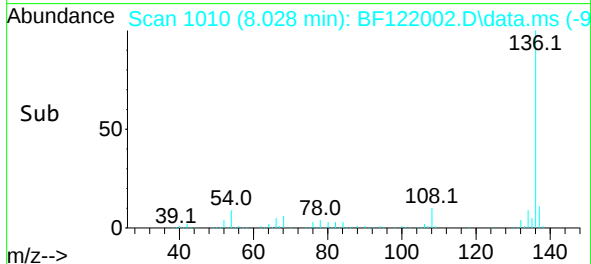
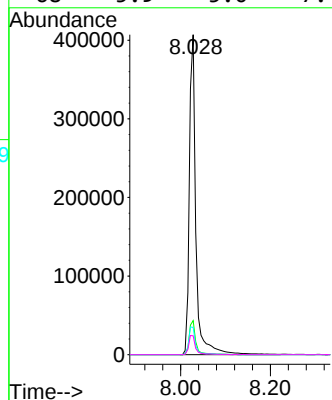


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.028 min Scan# 1010
Delta R.T. 0.000 min
Lab File: BF122002.D
Acq: 15 Oct 2020 20:51

Instrument :
BNA_F
ClientSampleId :
JC-02-101420-A

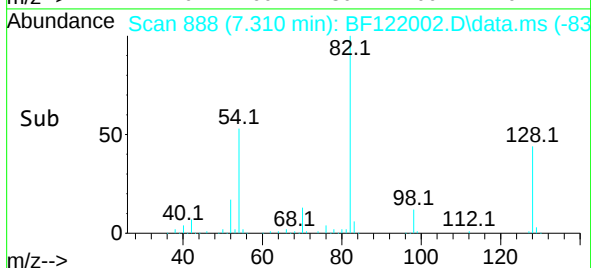
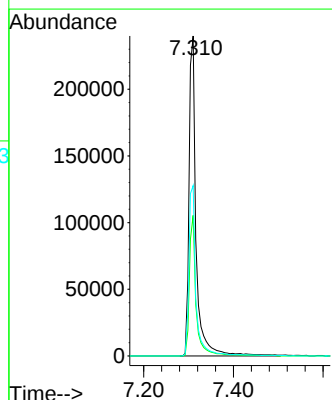
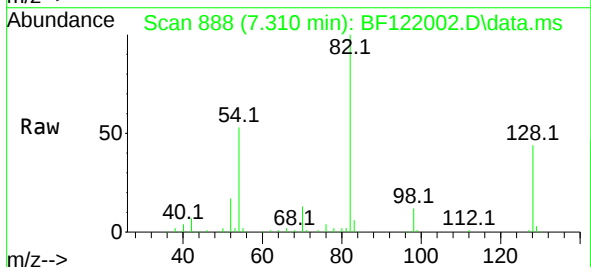


Tgt Ion:136 Resp: 413101
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 8.6 7.1 10.7
68 5.9 5.0 7.4



#23
Nitrobenzene-d5
Concen: 32.78 ng
RT: 7.310 min Scan# 888
Delta R.T. -0.006 min
Lab File: BF122002.D
Acq: 15 Oct 2020 20:51

Tgt Ion: 82 Resp: 264066
Ion Ratio Lower Upper
82 100
128 44.0 35.0 52.4
54 53.3 43.9 65.9

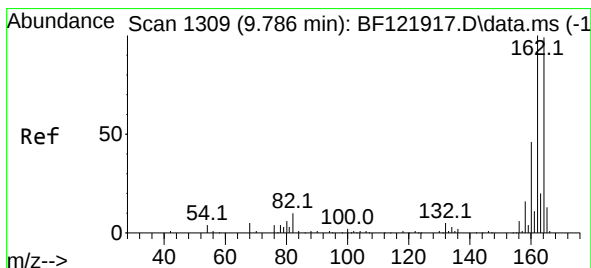
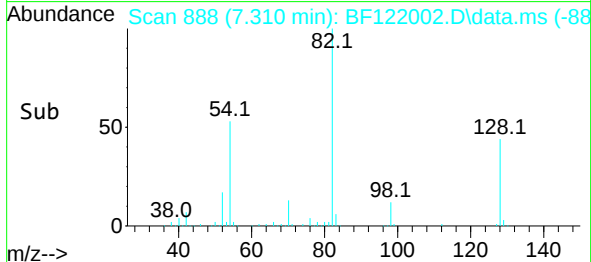
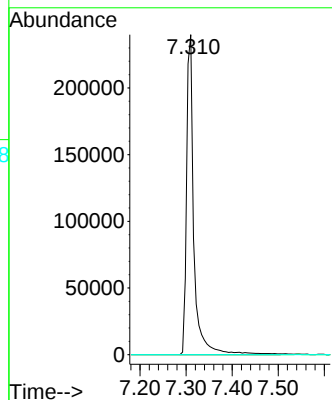
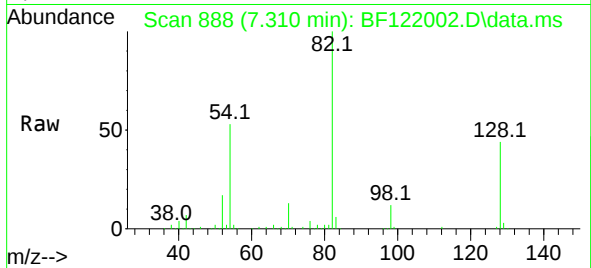




#25
Isophorone
Concen: 17.34 ng
RT: 7.310 min Scan# 888
Delta R.T. -0.265 min
Lab File: BF122002.D
Acq: 15 Oct 2020 20:51

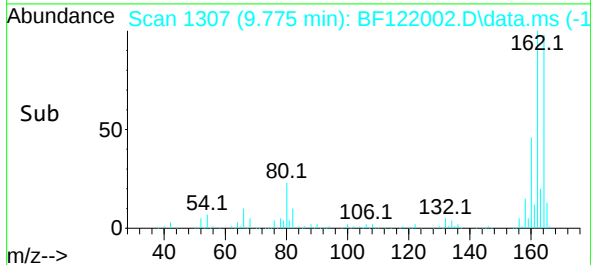
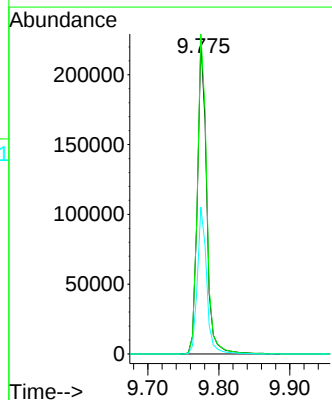
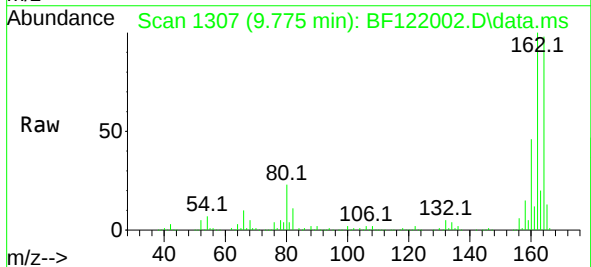
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ClientSampleId :
JC-02-101420-A

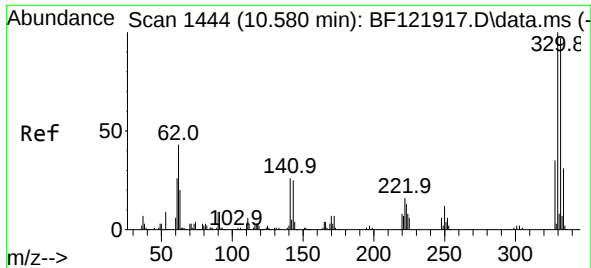
Tgt Ion: 82 Resp: 264064
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 13.4 20.0#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.006 min
Lab File: BF122002.D
Acq: 15 Oct 2020 20:51

Tgt Ion:164 Resp: 204107
Ion Ratio Lower Upper
164 100
162 102.3 83.2 124.8
160 46.9 37.5 56.3

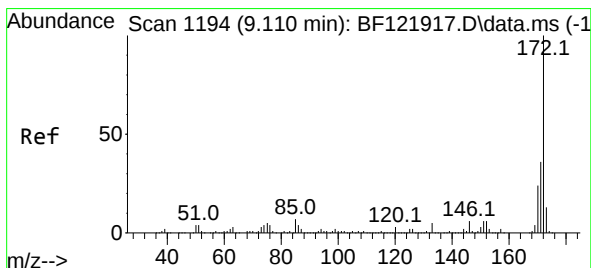
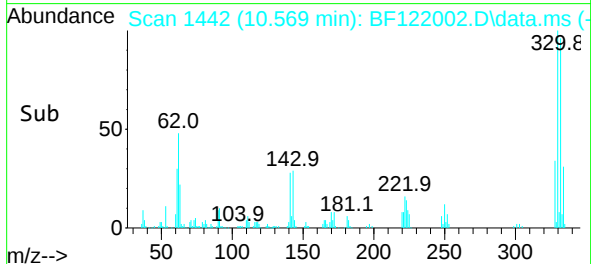
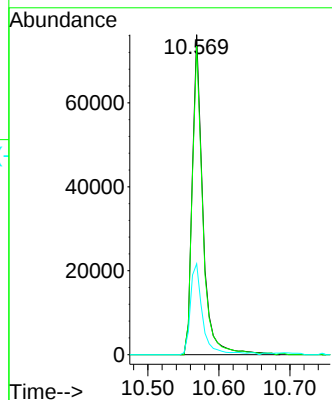
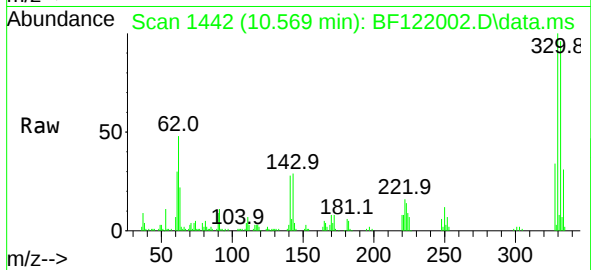




#42
2,4,6-Tribromophenol
Concen: 31.32 ng
RT: 10.569 min Scan# 1442
Delta R.T. -0.006 min
Lab File: BF122002.D
Acq: 15 Oct 2020 20:51

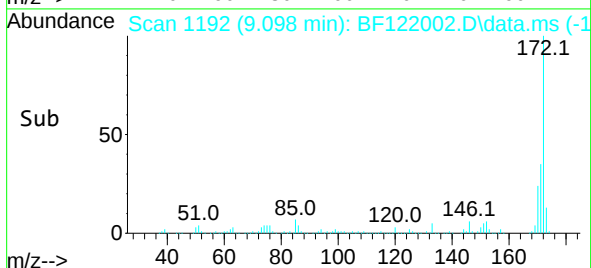
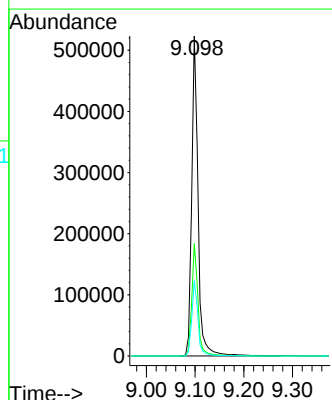
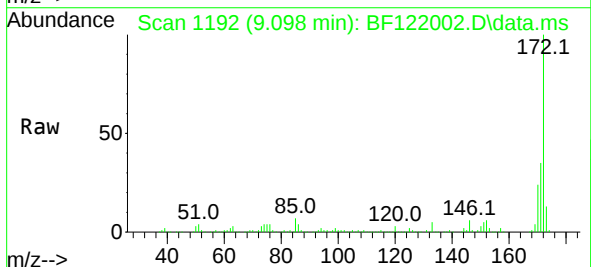
Instrument :
BNA_F
ClientSampleId :
JC-02-101420-A

Tgt Ion:330 Resp: 79069
Ion Ratio Lower Upper
330 100
332 96.8 77.3 115.9
141 32.9 22.3 33.5



#45
2-Fluorobiphenyl
Concen: 34.10 ng
RT: 9.098 min Scan# 1192
Delta R.T. -0.006 min
Lab File: BF122002.D
Acq: 15 Oct 2020 20:51

Tgt Ion:172 Resp: 473100
Ion Ratio Lower Upper
172 100
171 35.1 29.1 43.7
170 23.6 19.8 29.6

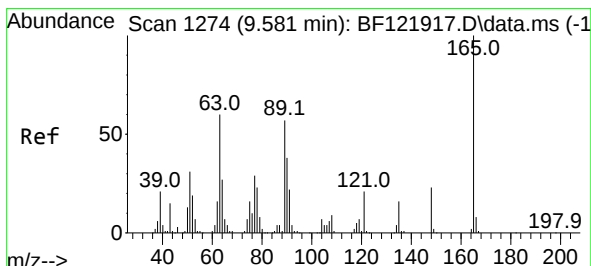
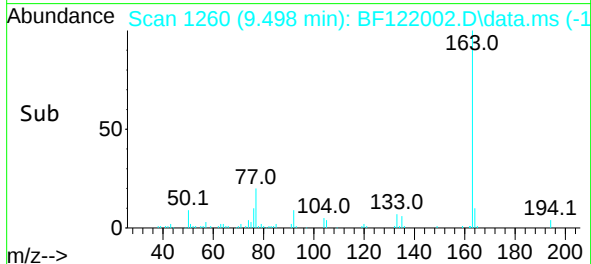
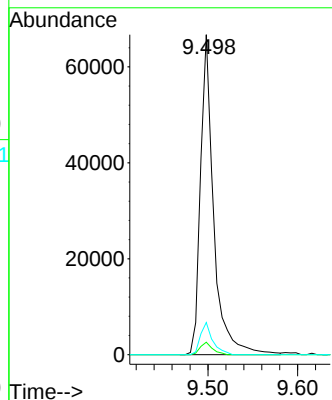
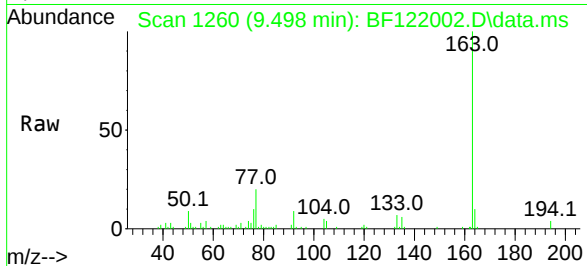




#50
Dimethylphthalate
Concen: 4.56 ng
RT: 9.498 min Scan# 1260
Delta R.T. -0.006 min
Lab File: BF122002.D
Acq: 15 Oct 2020 20:51

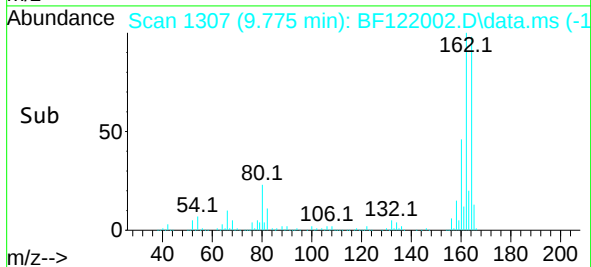
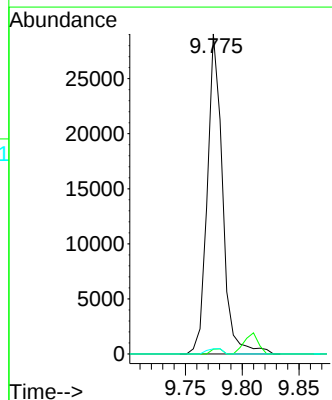
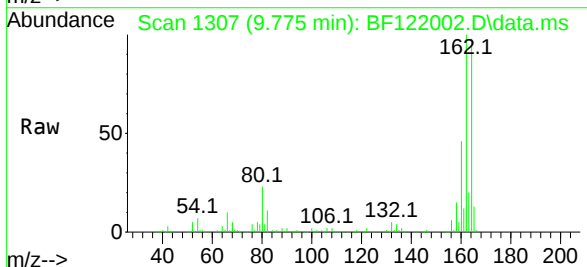
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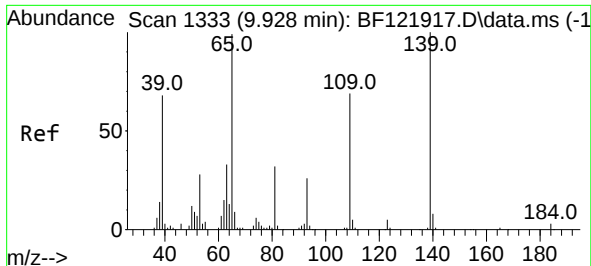
Tgt Ion:163 Resp: 68104
Ion Ratio Lower Upper
163 100
194 3.9 3.3 4.9
164 10.0 8.2 12.4



#51
2,6-Dinitrotoluene
Concen: 8.28 ng
RT: 9.775 min Scan# 1307
Delta R.T. 0.200 min
Lab File: BF122002.D
Acq: 15 Oct 2020 20:51

Tgt Ion:165 Resp: 27092
Ion Ratio Lower Upper
165 100
63 1.5 51.8 77.6#
89 1.6 49.0 73.6#

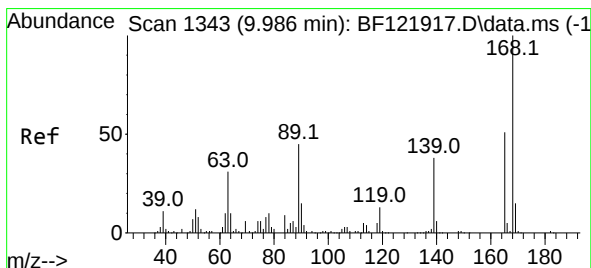
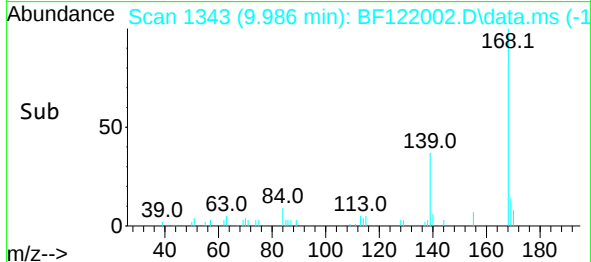
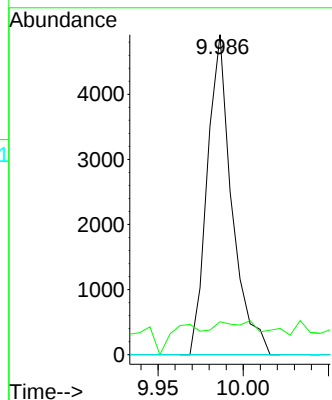
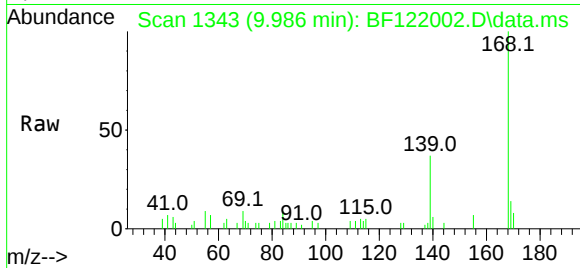




#56
4-Nitrophenol
Concen: 2.44 ng
RT: 9.986 min Scan# 1343
Delta R.T. 0.059 min
Lab File: BF122002.D
Acq: 15 Oct 2020 20:51

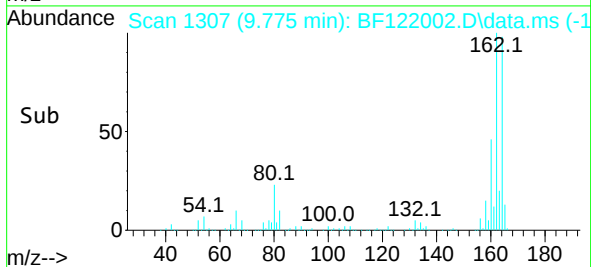
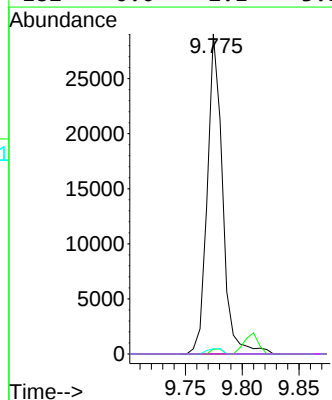
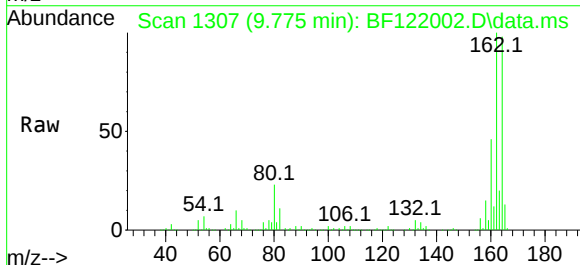
Instrument :
BNA_F
ClientSampleId :
JC-02-101420-A

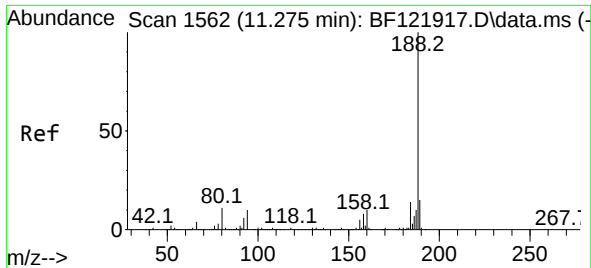
Tgt Ion:139 Resp: 4935
Ion Ratio Lower Upper
139 100
109 10.3 45.4 85.4#
65 0.0 68.4 108.4#



#57
2,4-Dinitrotoluene
Concen: 6.72 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.212 min
Lab File: BF122002.D
Acq: 15 Oct 2020 20:51

Tgt Ion:165 Resp: 27092
Ion Ratio Lower Upper
165 100
63 1.5 41.3 61.9#
89 1.6 61.8 92.8#
182 0.0 2.1 3.1#

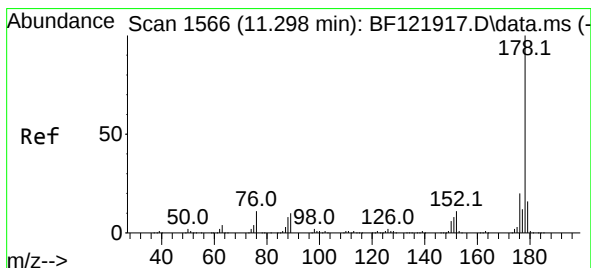
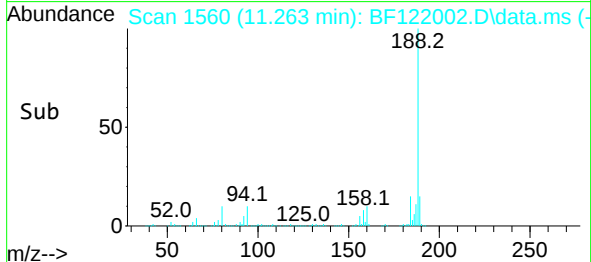
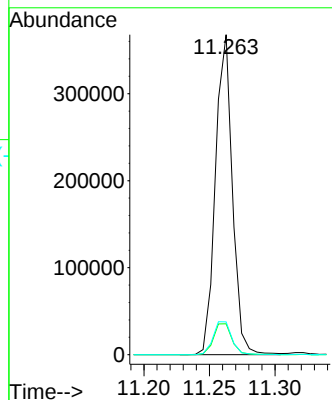
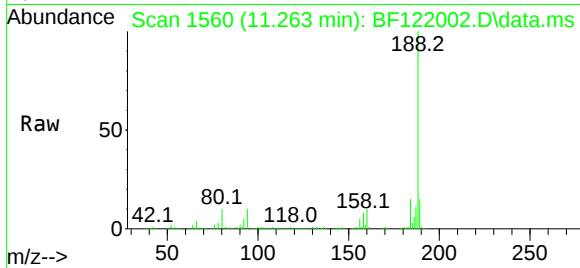




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.263 min Scan# 1560
Delta R.T. 0.000 min
Lab File: BF122002.D
Acq: 15 Oct 2020 20:51

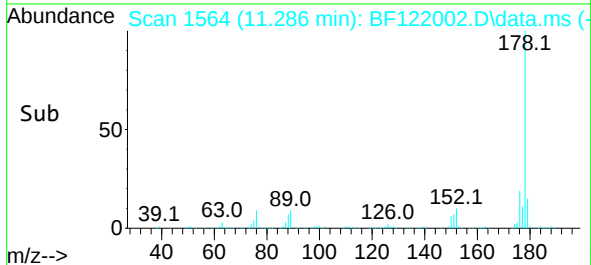
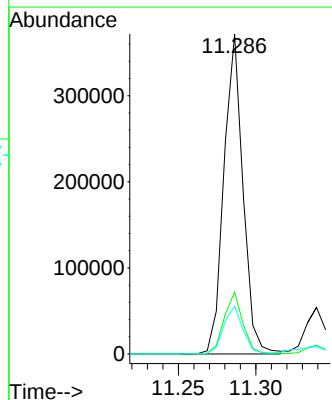
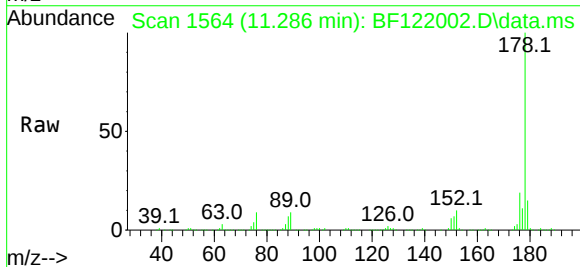
Instrument :
BNA_F
ClientSampleId :
JC-02-101420-A

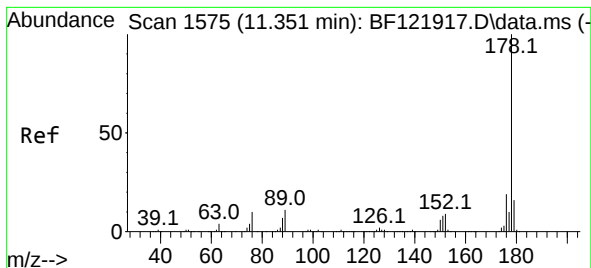
Tgt Ion:188 Resp: 329708
Ion Ratio Lower Upper
188 100
94 9.6 8.3 12.5
80 10.2 9.1 13.7



#71
Phenanthrene
Concen: 17.59 ng
RT: 11.286 min Scan# 1564
Delta R.T. -0.006 min
Lab File: BF122002.D
Acq: 15 Oct 2020 20:51

Tgt Ion:178 Resp: 317982
Ion Ratio Lower Upper
178 100
176 19.4 15.9 23.9
179 14.9 12.2 18.4





#72

Anthracene

Concen: 2.58 ng

RT: 11.339 min Scan# 1573

Delta R.T. -0.006 min

Lab File: BF122002.D

Acq: 15 Oct 2020 20:51

Tgt Ion:178 Resp: 48287

Ion Ratio Lower Upper

178 100

176 18.5 15.7 23.5

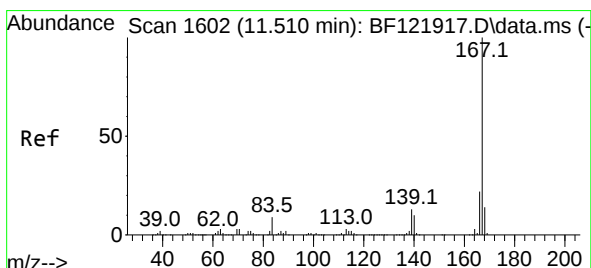
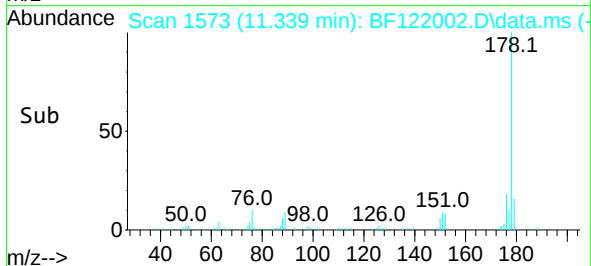
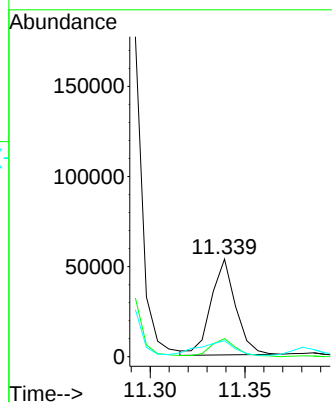
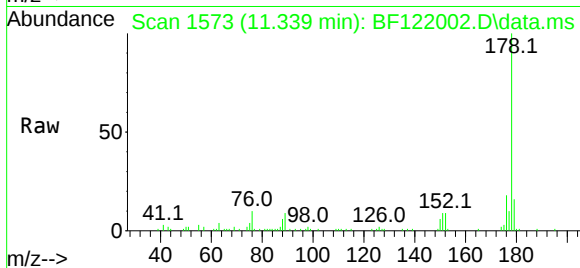
179 16.4 12.7 19.1

Instrument :

BNA_F

ClientSampleId :

JC-02-101420-A



#73

Carbazole

Concen: 2.38 ng

RT: 11.498 min Scan# 1600

Delta R.T. -0.006 min

Lab File: BF122002.D

Acq: 15 Oct 2020 20:51

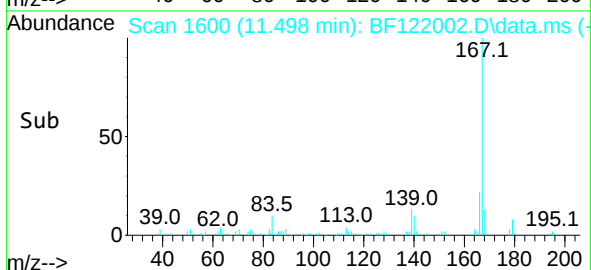
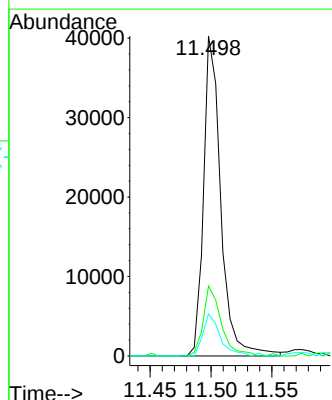
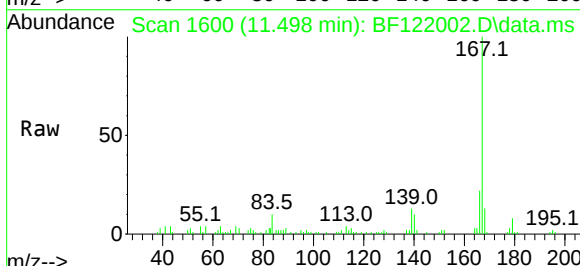
Tgt Ion:167 Resp: 39685

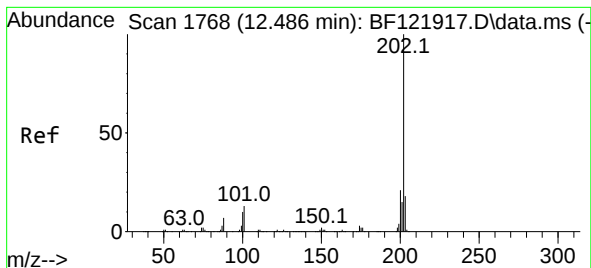
Ion Ratio Lower Upper

167 100

166 21.9 17.8 26.6

139 13.2 10.8 16.2

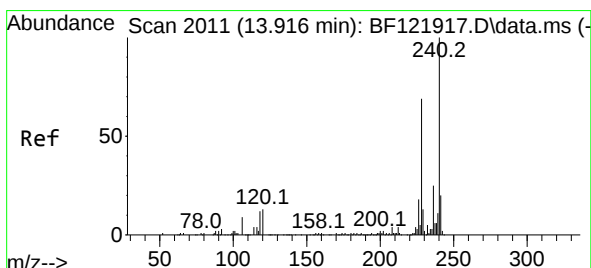
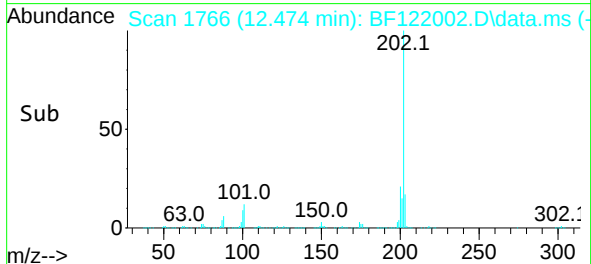
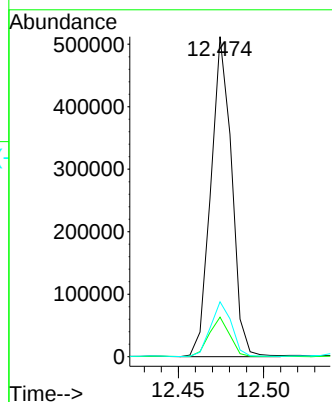
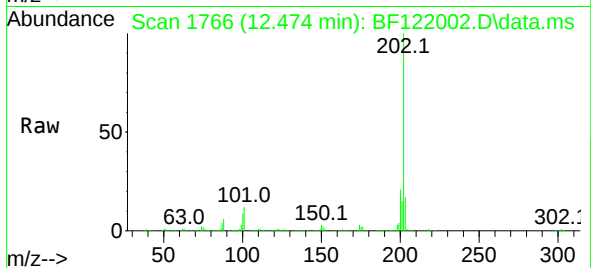




#75
Fluoranthene
Concen: 22.53 ng
RT: 12.474 min Scan# 1766
Delta R.T. -0.006 min
Lab File: BF122002.D
Acq: 15 Oct 2020 20:51

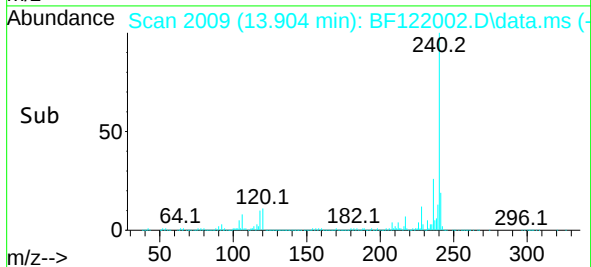
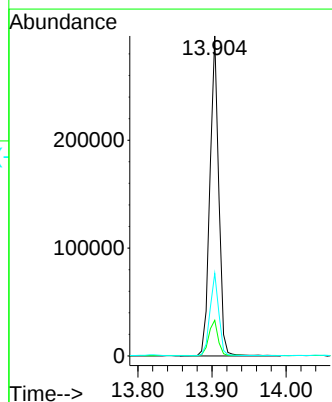
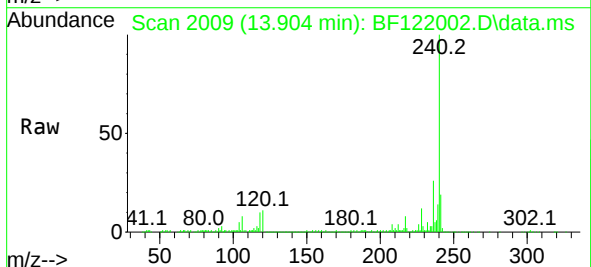
Instrument :
BNA_F
ClientSampleId :
JC-02-101420-A

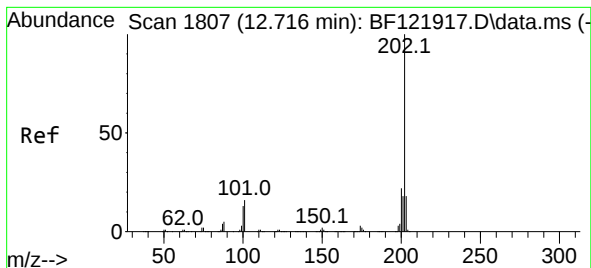
Tgt Ion:202 Resp: 436791
Ion Ratio Lower Upper
202 100
101 12.3 0.0 33.4
203 17.2 0.0 37.9



#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.904 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BF122002.D
Acq: 15 Oct 2020 20:51

Tgt Ion:240 Resp: 247390
Ion Ratio Lower Upper
240 100
120 11.2 9.2 13.8
236 25.8 20.9 31.3





#78

Pyrene

Concen: 19.15 ng

RT: 12.704 min Scan# 1805

Delta R.T. -0.006 min

Lab File: BF122002.D

Acq: 15 Oct 2020 20:51

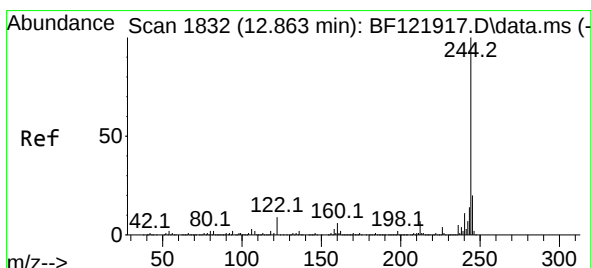
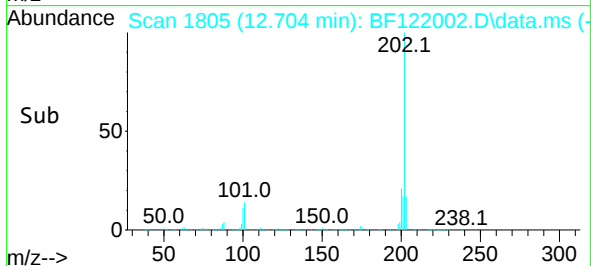
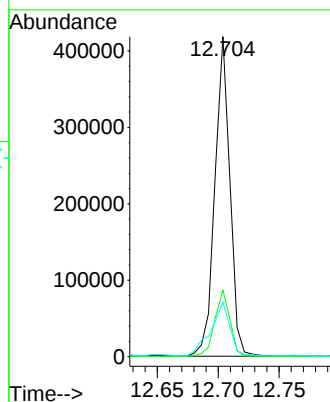
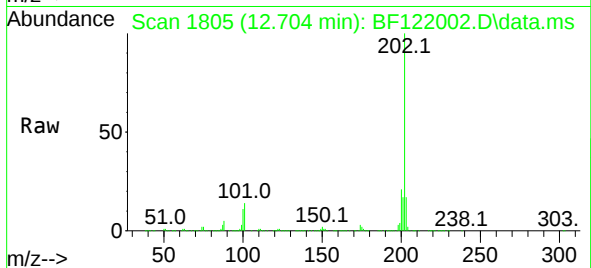
Tgt Ion:202 Resp: 360985

Ion Ratio Lower Upper

202 100

200 20.8 17.4 26.2

203 17.1 14.6 21.8



#79

Terphenyl-d14

Concen: 27.09 ng

RT: 12.845 min Scan# 1829

Delta R.T. -0.006 min

Lab File: BF122002.D

Acq: 15 Oct 2020 20:51

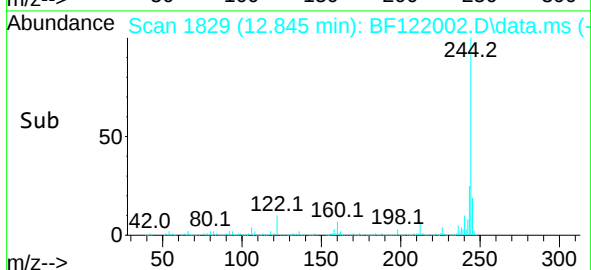
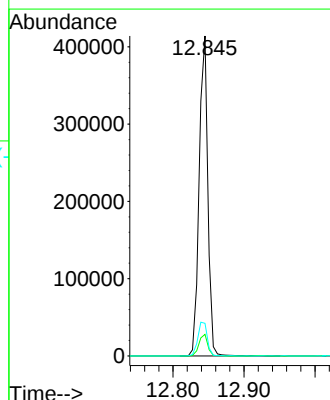
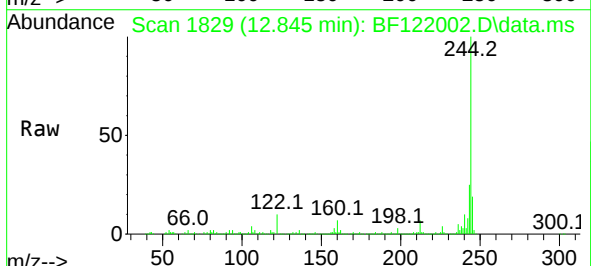
Tgt Ion:244 Resp: 351614

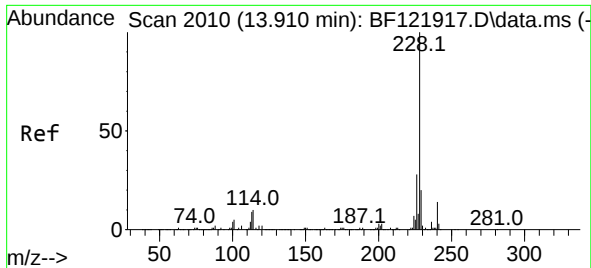
Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.2

122 10.2 8.1 12.1

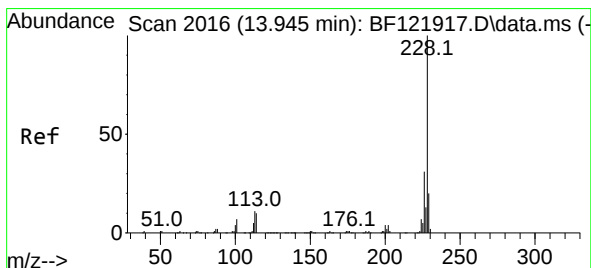
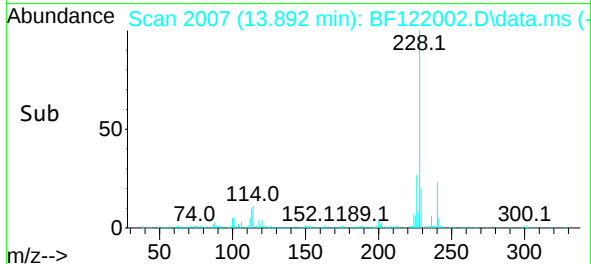
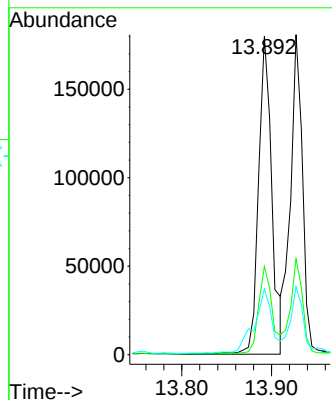
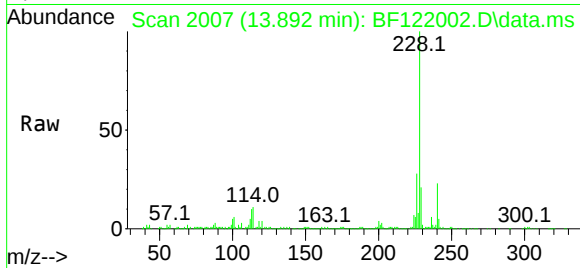




#81
Benzo(a)anthracene
Concen: 11.39 ng
RT: 13.892 min Scan# 2007
Delta R.T. -0.006 min
Lab File: BF122002.D
Acq: 15 Oct 2020 20:51

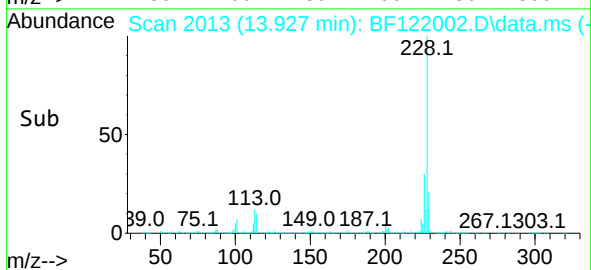
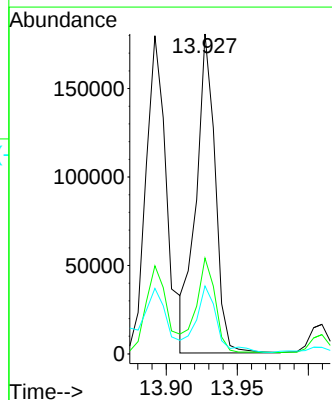
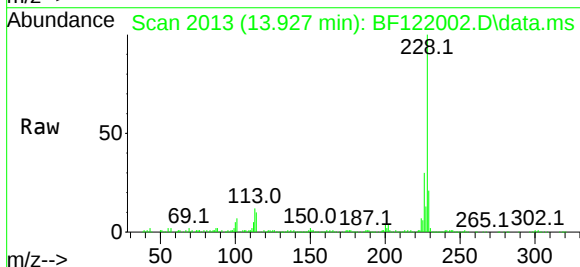
Instrument :
BNA_F
ClientSampleId :
JC-02-101420-A

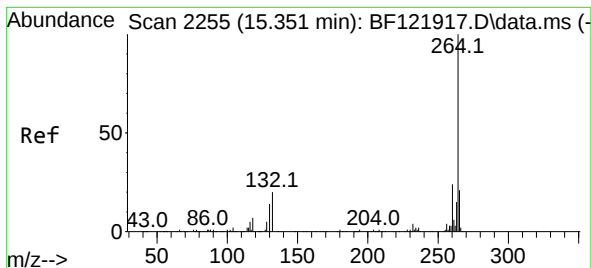
Tgt Ion:228 Resp: 184686
Ion Ratio Lower Upper
228 100
226 27.7 22.3 33.5
229 20.6 16.2 24.4



#83
Chrysene
Concen: 10.60 ng
RT: 13.927 min Scan# 2013
Delta R.T. -0.006 min
Lab File: BF122002.D
Acq: 15 Oct 2020 20:51

Tgt Ion:228 Resp: 168656
Ion Ratio Lower Upper
228 100
226 30.0 24.6 37.0
229 21.3 15.9 23.9

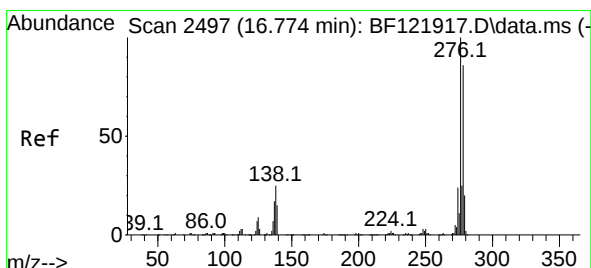
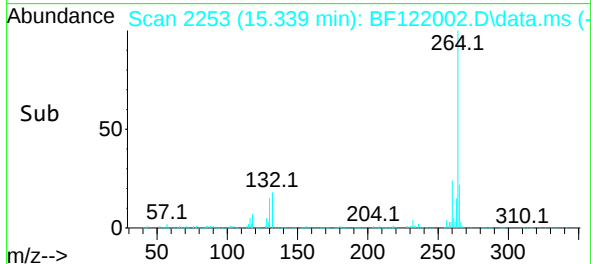
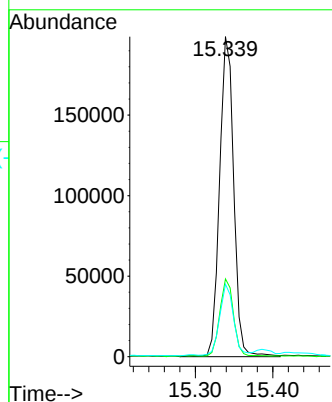
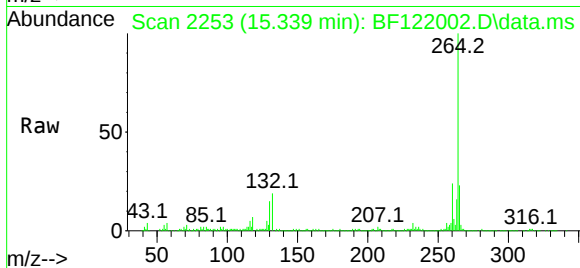




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.339 min Scan# 2253
Delta R.T. 0.000 min
Lab File: BF122002.D
Acq: 15 Oct 2020 20:51

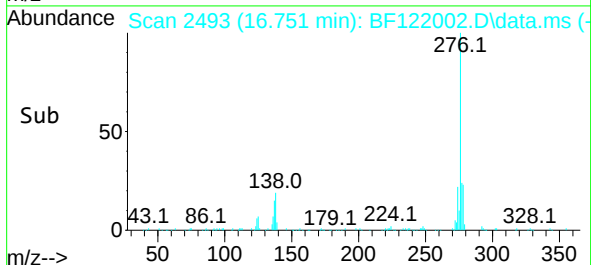
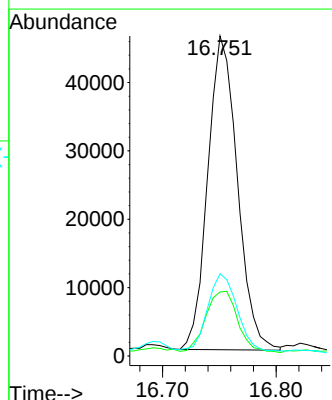
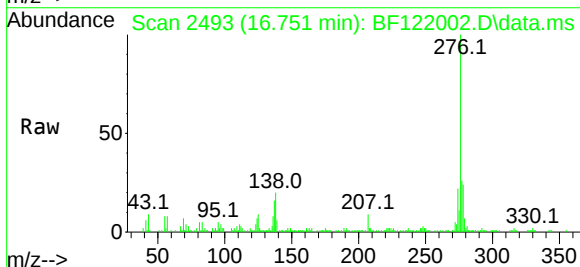
Instrument :
BNA_F
ClientSampleId :
JC-02-101420-A

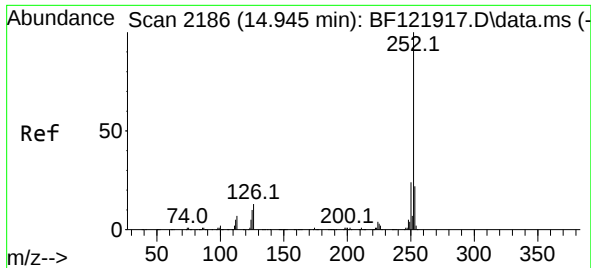
Tgt Ion:264 Resp: 252391
Ion Ratio Lower Upper
264 100
260 24.3 18.7 28.1
265 22.7 17.3 25.9



#87
Indeno(1,2,3-cd)pyrene
Concen: 5.07 ng
RT: 16.751 min Scan# 2493
Delta R.T. -0.012 min
Lab File: BF122002.D
Acq: 15 Oct 2020 20:51

Tgt Ion:276 Resp: 83060
Ion Ratio Lower Upper
276 100
138 21.5 19.9 29.9
277 25.9 20.4 30.6

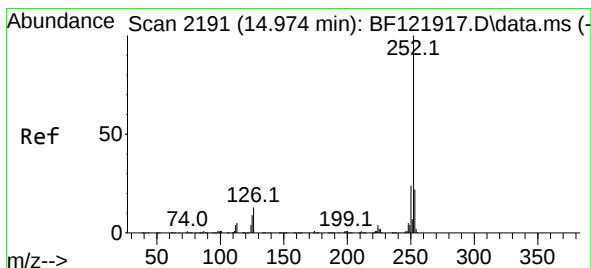
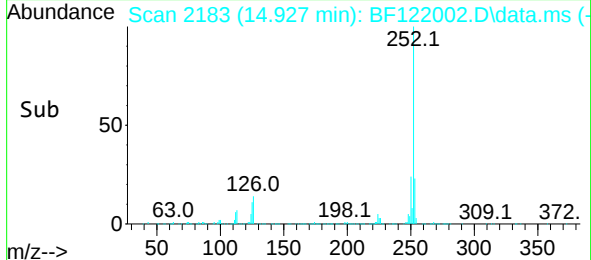
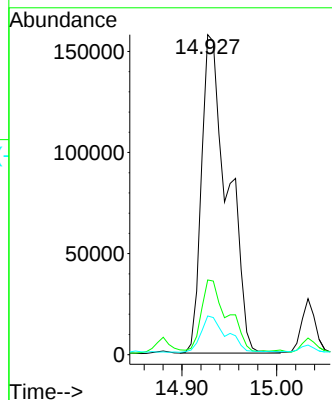
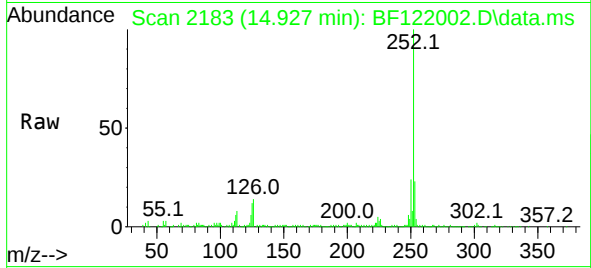




#88
Benzo(b)fluoranthene
Concen: 17.72 ng
RT: 14.927 min Scan# 2183
Delta R.T. -0.006 min
Lab File: BF122002.D
Acq: 15 Oct 2020 20:51

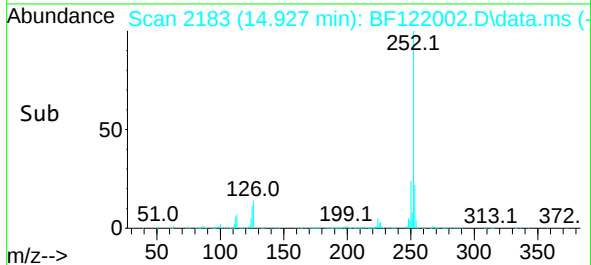
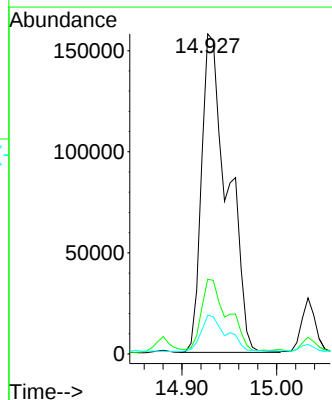
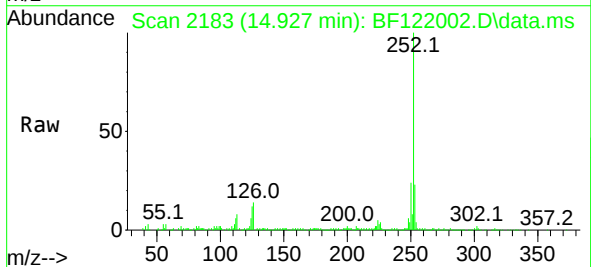
Instrument :
BNA_F
ClientSampleId :
JC-02-101420-A

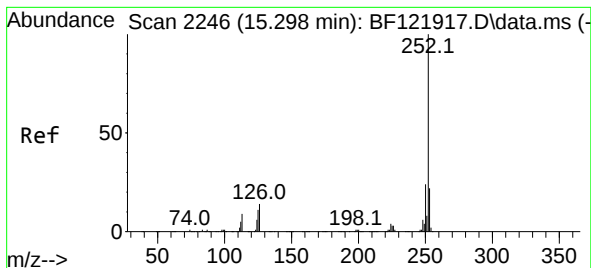
Tgt Ion:252 Resp: 302265
Ion Ratio Lower Upper
252 100
253 23.3 18.2 27.2
125 12.1 8.0 12.0#



#89
Benzo(k)fluoranthene
Concen: 18.65 ng
RT: 14.927 min Scan# 2183
Delta R.T. -0.035 min
Lab File: BF122002.D
Acq: 15 Oct 2020 20:51

Tgt Ion:252 Resp: 302265
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.6
125 12.1 7.7 11.5#





#90

Benzo(a)pyrene

Concen: 10.32 ng

RT: 15.280 min Scan# 2243

Delta R.T. -0.006 min

Lab File: BF122002.D

Acq: 15 Oct 2020 20:51

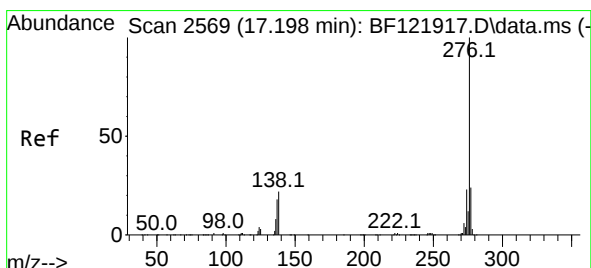
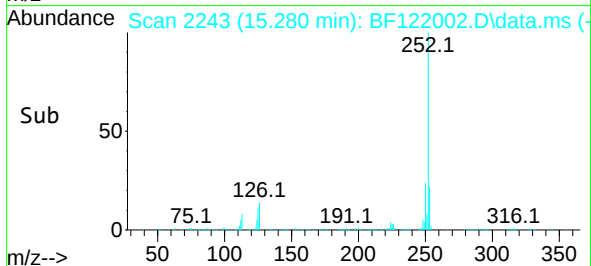
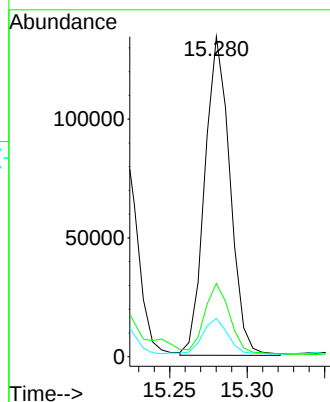
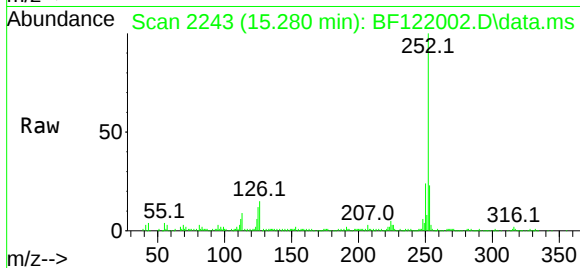
Tgt Ion:252 Resp: 152099

Ion Ratio Lower Upper

252 100

253 22.9 17.3 25.9

125 12.0 8.6 13.0



#92

Benzo(g,h,i)perylene

Concen: 5.82 ng

RT: 17.180 min Scan# 2566

Delta R.T. -0.006 min

Lab File: BF122002.D

Acq: 15 Oct 2020 20:51

Tgt Ion:276 Resp: 78567

Ion Ratio Lower Upper

276 100

277 25.1 19.4 29.2

138 21.7 17.8 26.6

