

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102320\
 Data File : BF122104.D
 Acq On : 23 Oct 2020 17:50
 Operator : JU/CG
 Sample : L4486-01 10X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SA-01-102220

Quant Time: Oct 23 23:36:16 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)

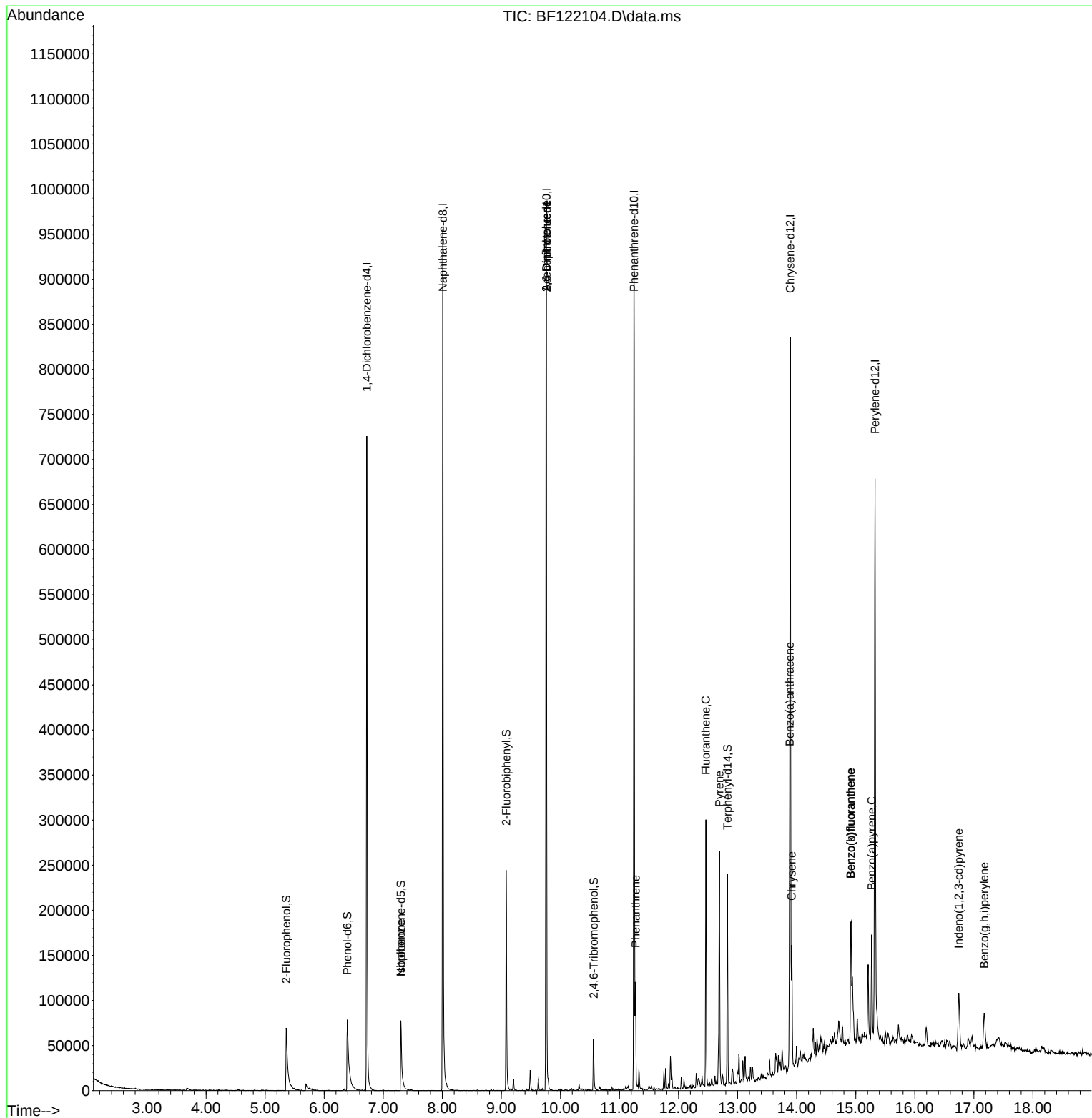
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.722	152	108717	20.00	ng	0.00
21) Naphthalene-d8	8.010	136	437399	20.00	ng	0.00
39) Acenaphthene-d10	9.763	164	213829	20.00	ng	0.00
64) Phenanthrene-d10	11.245	188	357974	20.00	ng	0.00
76) Chrysene-d12	13.892	240	253871	20.00	ng	0.00
86) Perylene-d12	15.327	264	250555	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	45921	6.23	ng	0.01
7) Phenol-d6	6.392	99	65589	6.92	ng	0.01
23) Nitrobenzene-d5	7.298	82	44414	5.21	ng	0.00
42) 2,4,6-Tribromophenol	10.563	330	9807	3.71	ng	0.00
45) 2-Fluorobiphenyl	9.080	172	85176	5.86	ng	0.00
79) Terphenyl-d14	12.827	244	64260	4.82	ng	0.00
Target Compounds						Qvalue
25) Isophorone	7.298	82	44414	2.75	ng	# 67
51) 2,6-Dinitrotoluene	9.763	165	27218	7.94	ng	# 20
57) 2,4-Dinitrotoluene	9.763	165	27218	6.45	ng	# 20
71) Phenanthrene	11.274	178	44362	2.26	ng	99
75) Fluoranthene	12.463	202	110084	5.23	ng	97
78) Pyrene	12.692	202	103912	5.37	ng	97
81) Benzo(a)anthracene	13.880	228	54959	3.30	ng	98
83) Chrysene	13.915	228	51257	3.14	ng	98
87) Indeno(1,2,3-cd)pyrene	16.745	276	33420	2.05	ng	97
88) Benzo(b)fluoranthene	14.915	252	97961	5.78	ng	98
89) Benzo(k)fluoranthene	14.915	252	97961	6.09	ng	98
90) Benzo(a)pyrene	15.268	252	51595	3.53	ng	# 96
92) Benzo(g,h,i)perylene	17.174	276	30215	2.25	ng	98

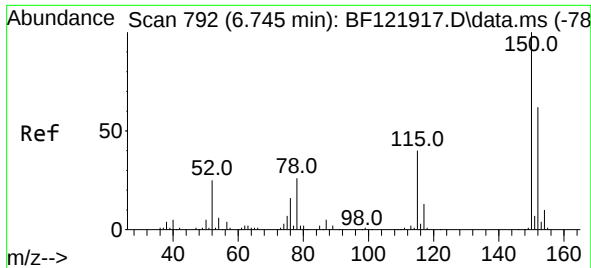
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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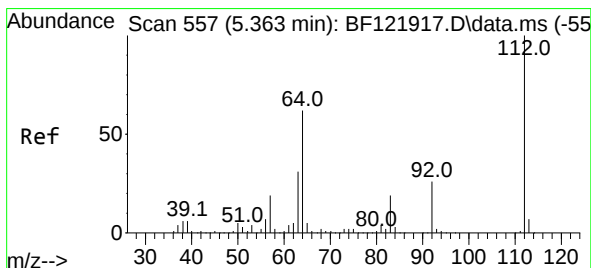
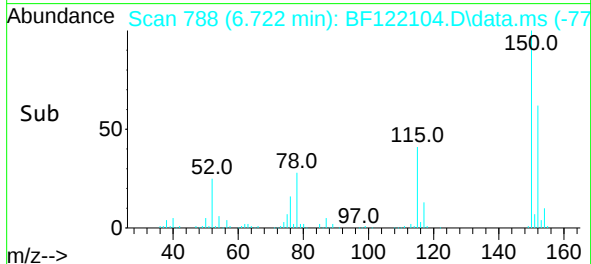
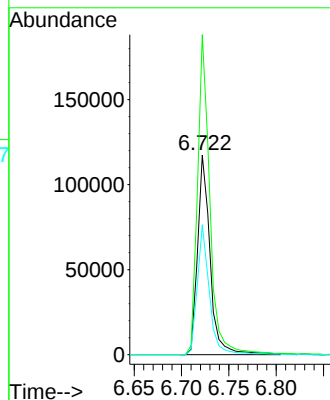
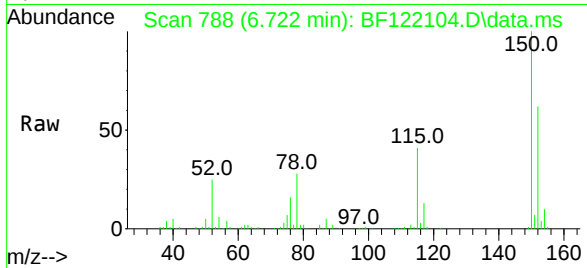




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.722 min Scan# 788
Delta R.T. -0.006 min
Lab File: BF122104.D
Acq: 23 Oct 2020 17:50

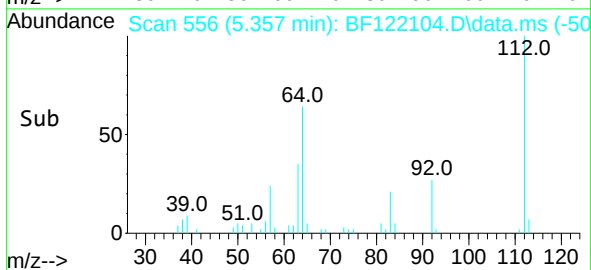
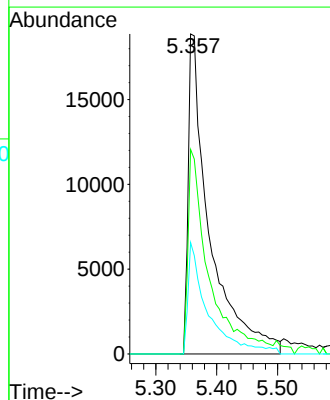
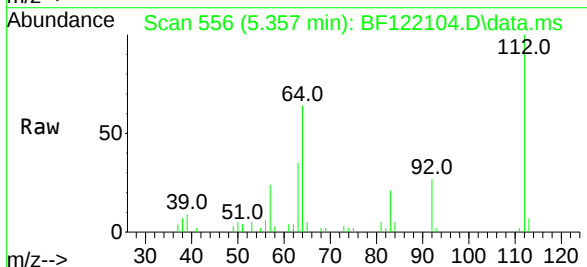
Instrument :
BNA_F
ClientSampleId :
SA-01-102220

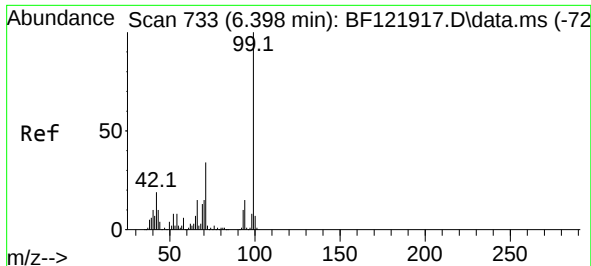
Tgt Ion:152 Resp: 108717
Ion Ratio Lower Upper
152 100
150 160.4 125.3 187.9
115 65.1 51.9 77.9



#5
2-Fluorophenol
Concen: 6.23 ng
RT: 5.357 min Scan# 556
Delta R.T. 0.012 min
Lab File: BF122104.D
Acq: 23 Oct 2020 17:50

Tgt Ion:112 Resp: 45921
Ion Ratio Lower Upper
112 100
64 63.9 50.4 75.6
63 34.8 25.8 38.6

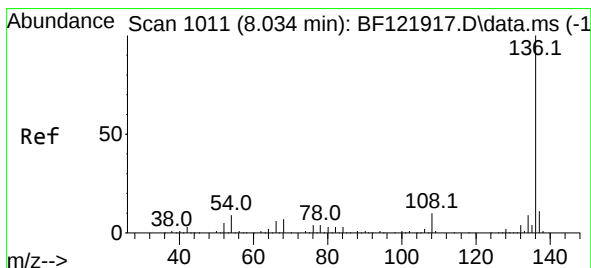
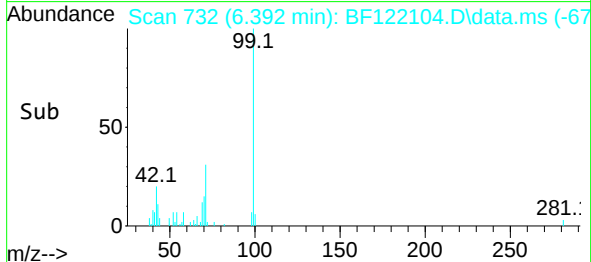
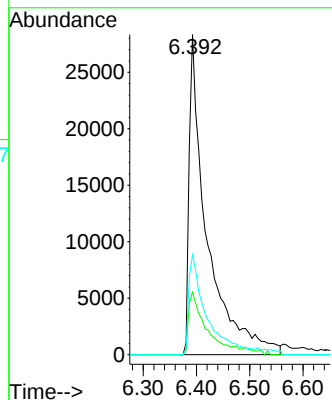
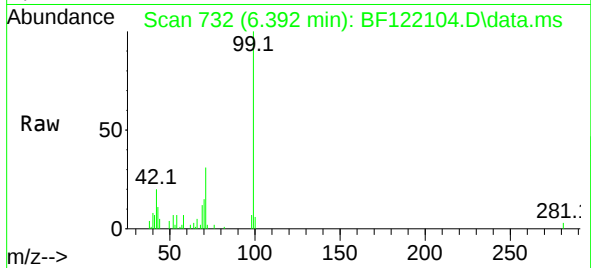




#7
Phenol-d6
Concen: 6.92 ng
RT: 6.392 min Scan# 732
Delta R.T. 0.012 min
Lab File: BF122104.D
Acq: 23 Oct 2020 17:50

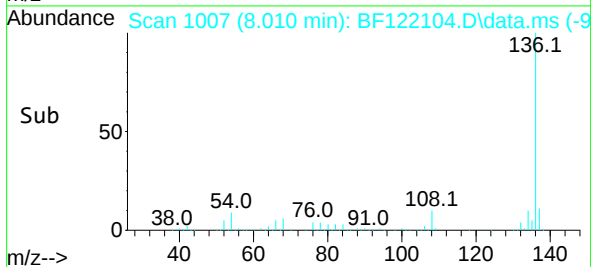
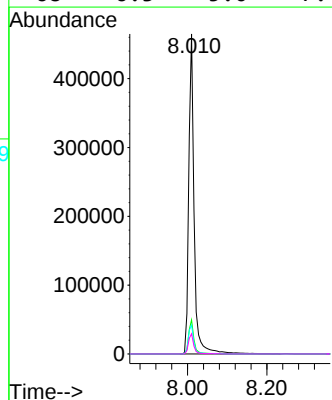
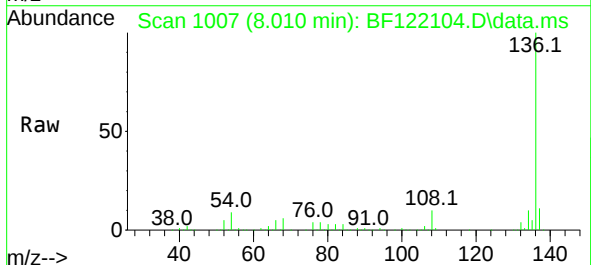
Instrument :
BNA_F
ClientSampleId :
SA-01-102220

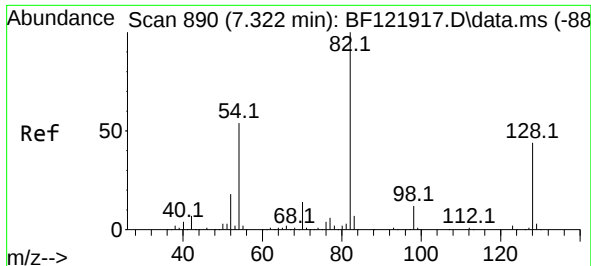
Tgt Ion:	99	Resp:	65589
Ion	Ratio	Lower	Upper
99	100		
42	19.6	15.9	23.9
71	31.2	27.1	40.7



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.010 min Scan# 1007
Delta R.T. -0.000 min
Lab File: BF122104.D
Acq: 23 Oct 2020 17:50

Tgt Ion:	136	Resp:	437399
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	9.0	7.1	10.7
68	6.3	5.0	7.4





#23

Nitrobenzene-d5

Concen: 5.21 ng

RT: 7.298 min Scan# 886

Delta R.T. -0.006 min

Lab File: BF122104.D

Acq: 23 Oct 2020 17:50

Tgt Ion: 82 Resp: 44414

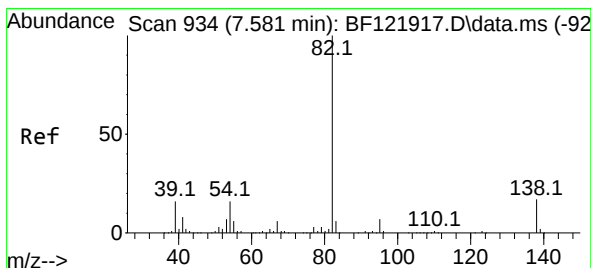
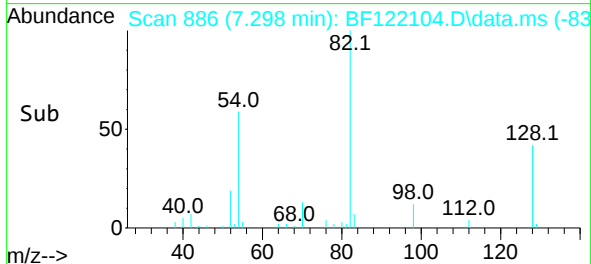
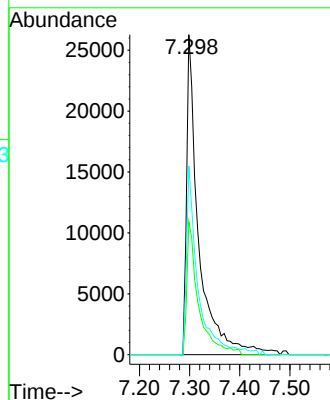
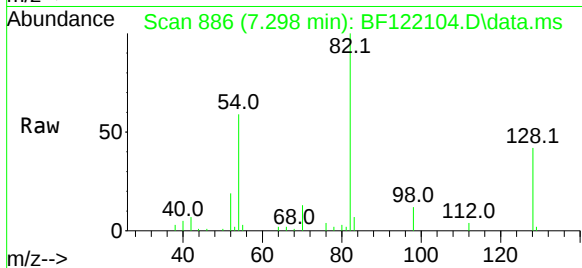
Ion	Ratio	Lower	Upper
82	100		
128	41.5	35.0	52.4
54	58.9	43.9	65.9

Instrument :

BNA_F

ClientSampleId :

SA-01-102220



#25

Isophorone

Concen: 2.75 ng

RT: 7.298 min Scan# 886

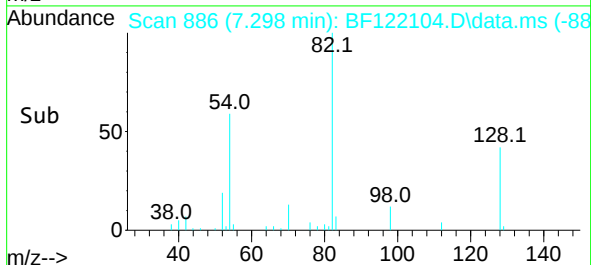
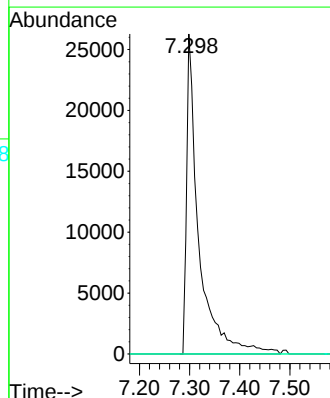
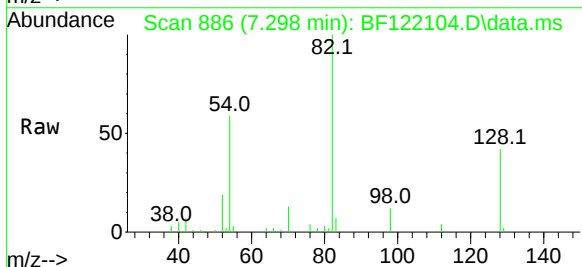
Delta R.T. -0.265 min

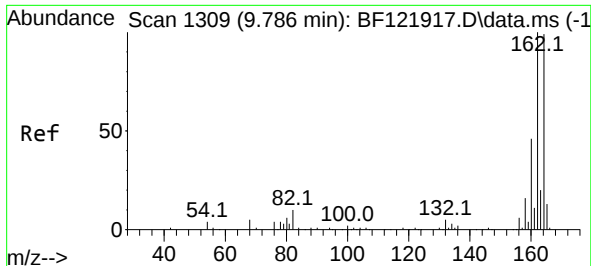
Lab File: BF122104.D

Acq: 23 Oct 2020 17:50

Tgt Ion: 82 Resp: 44414

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

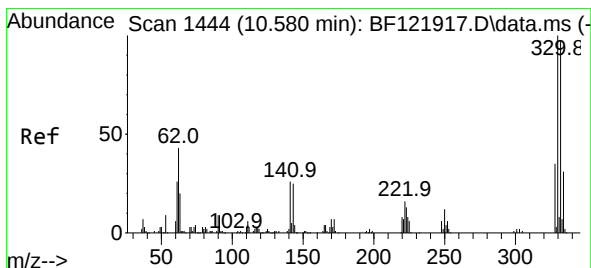
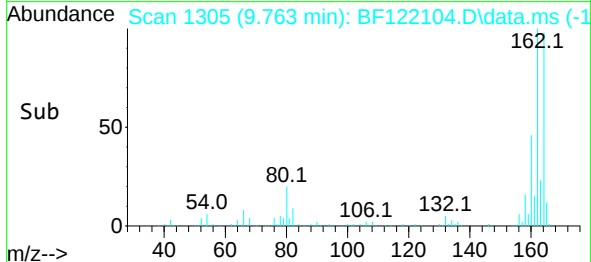
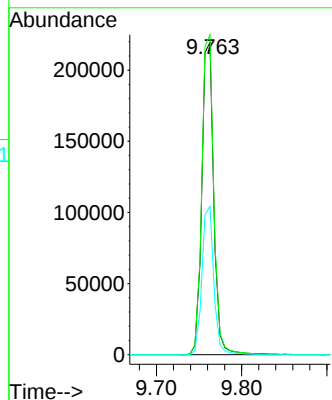
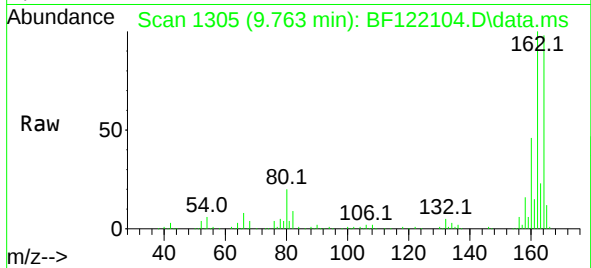




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.763 min Scan# 1305
Delta R.T. -0.000 min
Lab File: BF122104.D
Acq: 23 Oct 2020 17:50

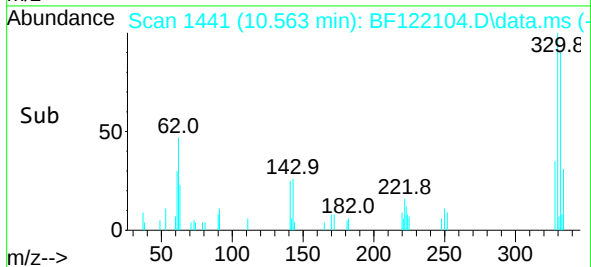
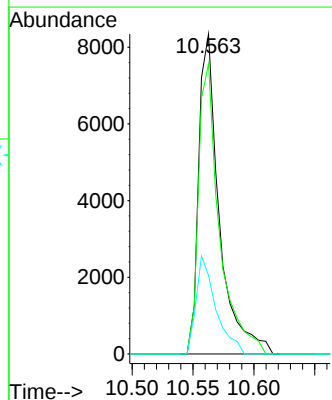
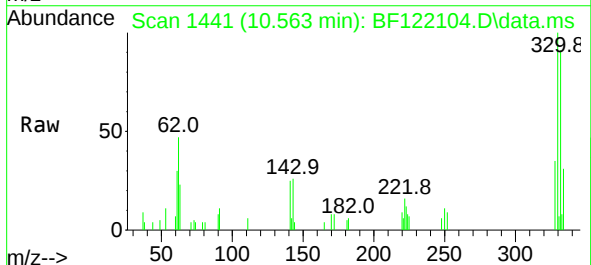
Instrument :
BNA_F
ClientSampleId :
SA-01-102220

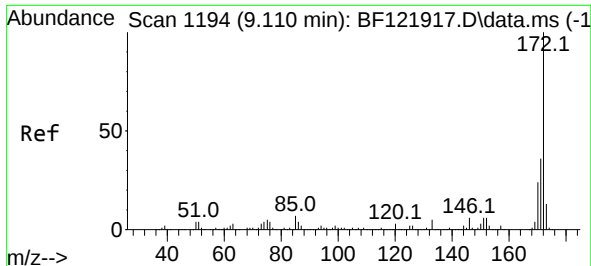
Tgt Ion:164 Resp: 213829
Ion Ratio Lower Upper
164 100
162 102.5 83.2 124.8
160 47.6 37.5 56.3



#42
2,4,6-Tribromophenol
Concen: 3.71 ng
RT: 10.563 min Scan# 1441
Delta R.T. 0.006 min
Lab File: BF122104.D
Acq: 23 Oct 2020 17:50

Tgt Ion:330 Resp: 9807
Ion Ratio Lower Upper
330 100
332 91.9 77.3 115.9
141 29.5 22.3 33.5

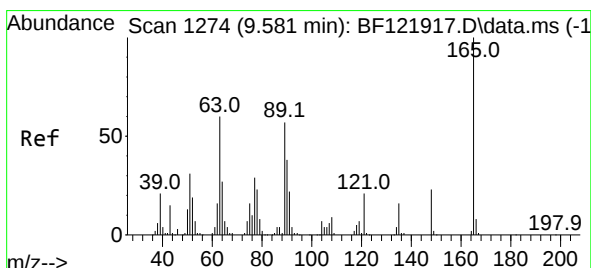
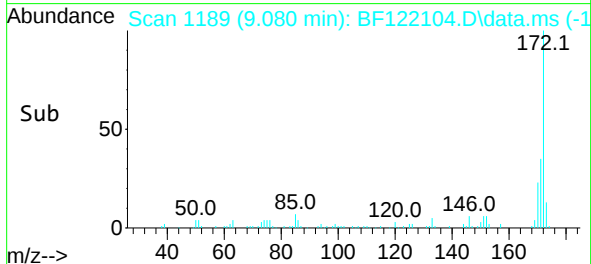
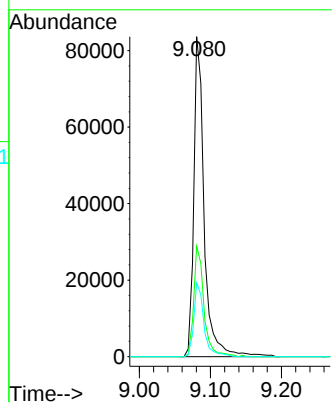
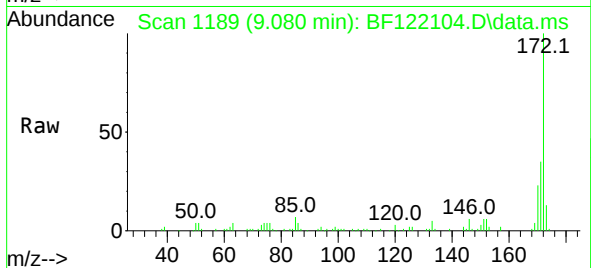




#45
2-Fluorobiphenyl
Concen: 5.86 ng
RT: 9.080 min Scan# 1189
Delta R.T. -0.006 min
Lab File: BF122104.D
Acq: 23 Oct 2020 17:50

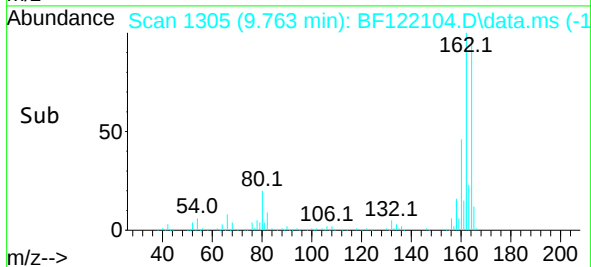
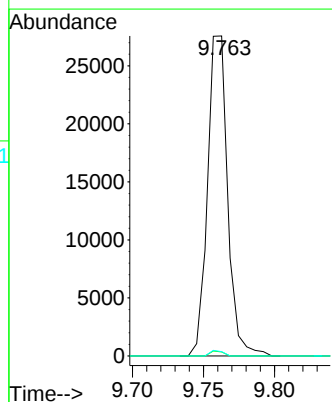
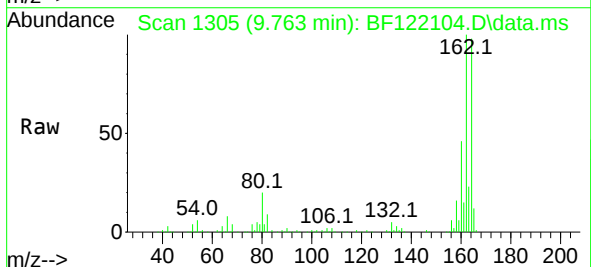
Instrument :
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ClientSampleId :
SA-01-102220

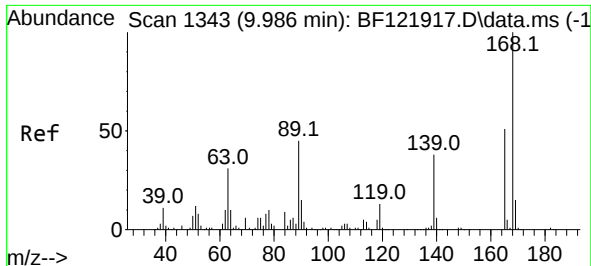
Tgt Ion:172 Resp: 85176
Ion Ratio Lower Upper
172 100
171 34.6 29.1 43.7
170 23.1 19.8 29.6



#51
2,6-Dinitrotoluene
Concen: 7.94 ng
RT: 9.763 min Scan# 1305
Delta R.T. 0.200 min
Lab File: BF122104.D
Acq: 23 Oct 2020 17:50

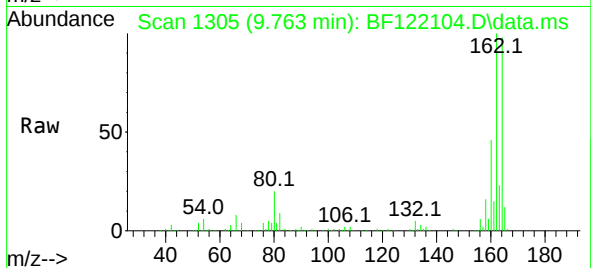
Tgt Ion:165 Resp: 27218
Ion Ratio Lower Upper
165 100
63 1.2 51.8 77.6#
89 1.4 49.0 73.6#



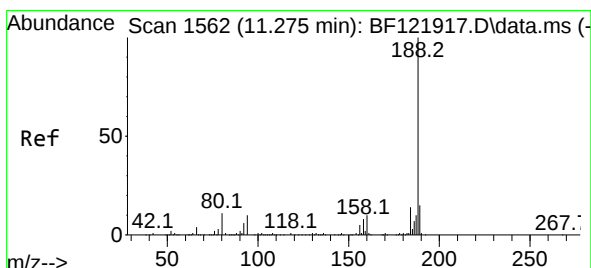
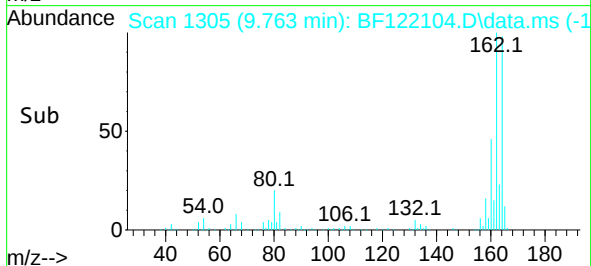
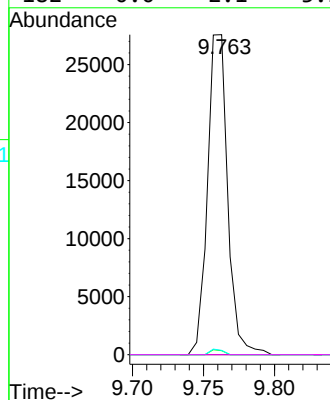


#57
2,4-Dinitrotoluene
Concen: 6.45 ng
RT: 9.763 min Scan# 1305
Delta R.T. -0.212 min
Lab File: BF122104.D
Acq: 23 Oct 2020 17:50

Instrument :
BNA_F
ClientSampleId :
SA-01-102220

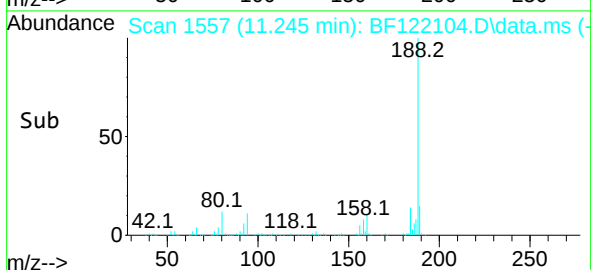
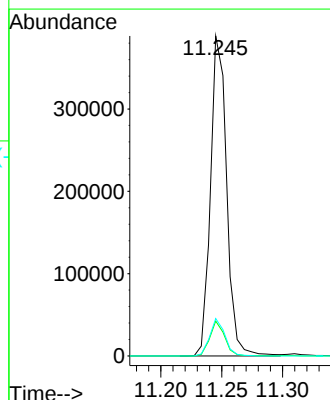
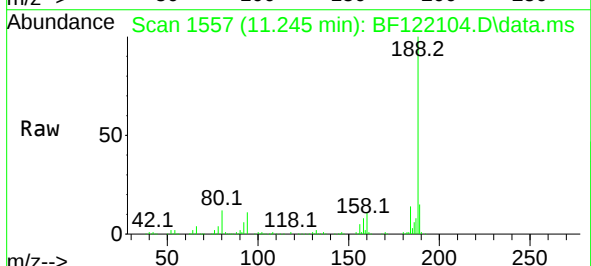


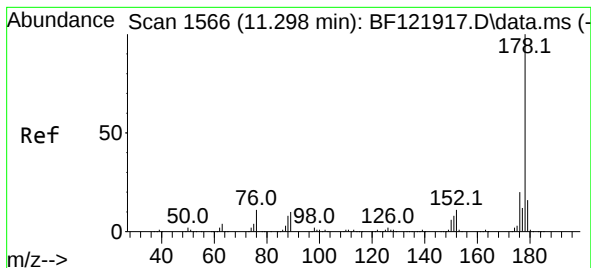
Tgt Ion:165 Resp: 27218
Ion Ratio Lower Upper
165 100
63 1.2 41.3 61.9#
89 1.4 61.8 92.8#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.245 min Scan# 1557
Delta R.T. -0.000 min
Lab File: BF122104.D
Acq: 23 Oct 2020 17:50

Tgt Ion:188 Resp: 357974
Ion Ratio Lower Upper
188 100
94 10.9 8.3 12.5
80 11.7 9.1 13.7





#71

Phenanthrene

Concen: 2.26 ng

RT: 11.274 min Scan# 1562

Delta R.T. -0.000 min

Lab File: BF122104.D

Acq: 23 Oct 2020 17:50

Tgt Ion:178 Resp: 44362

Ion Ratio Lower Upper

178 100

176 19.7 15.9 23.9

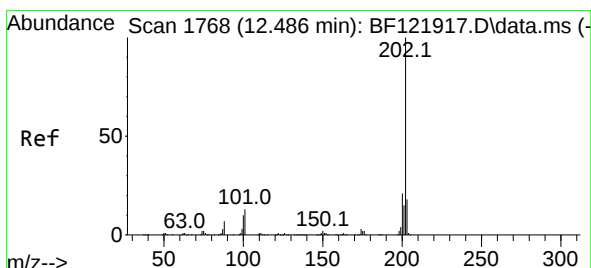
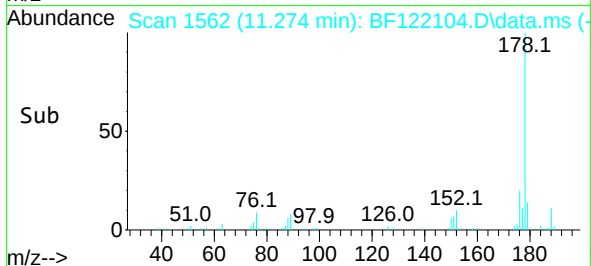
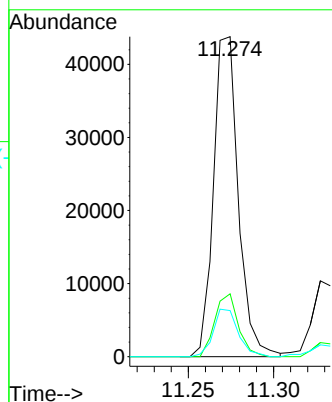
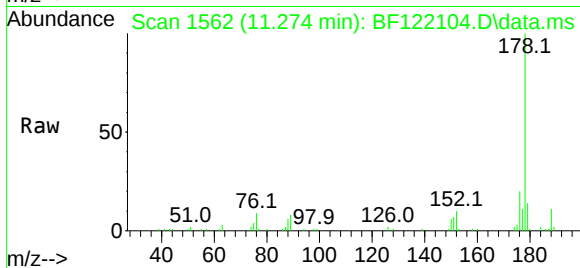
179 14.4 12.2 18.4

Instrument :

BNA_F

ClientSampleId :

SA-01-102220



#75

Fluoranthene

Concen: 5.23 ng

RT: 12.463 min Scan# 1764

Delta R.T. -0.000 min

Lab File: BF122104.D

Acq: 23 Oct 2020 17:50

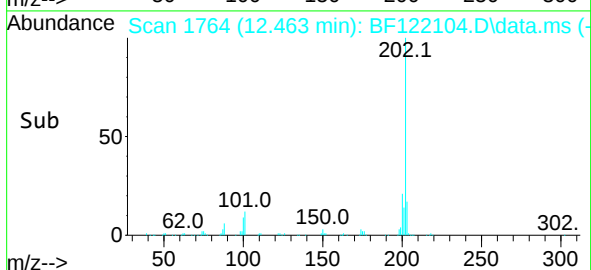
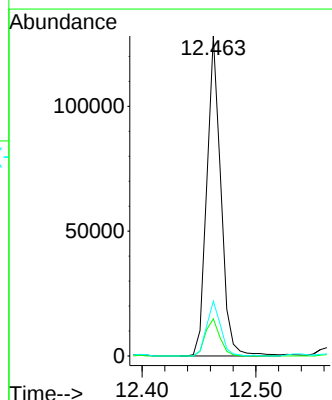
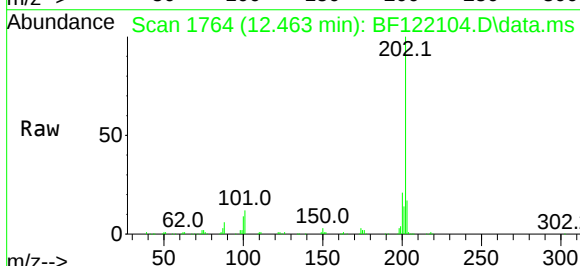
Tgt Ion:202 Resp: 110084

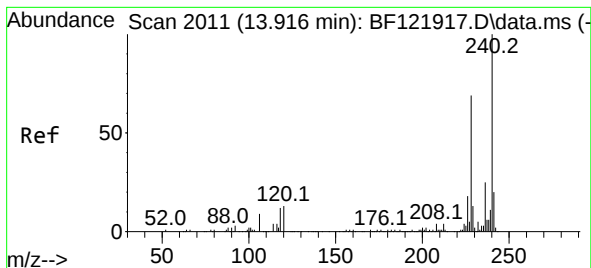
Ion Ratio Lower Upper

202 100

101 11.6 0.0 33.4

203 17.1 0.0 37.9

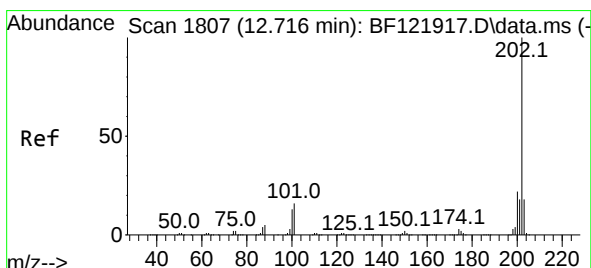
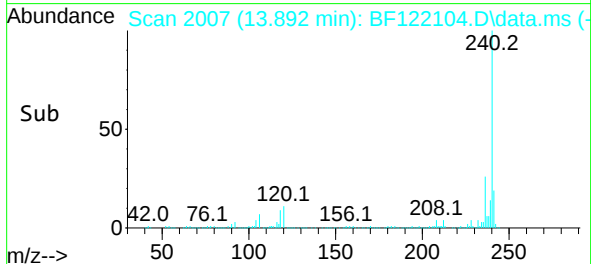
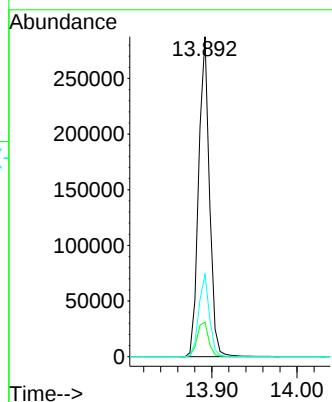
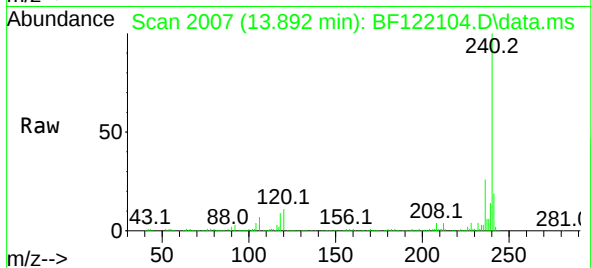




#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.892 min Scan# 2007
Delta R.T. 0.006 min
Lab File: BF122104.D
Acq: 23 Oct 2020 17:50

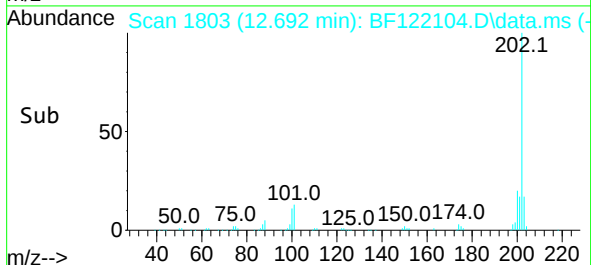
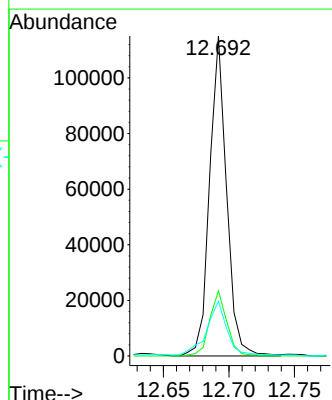
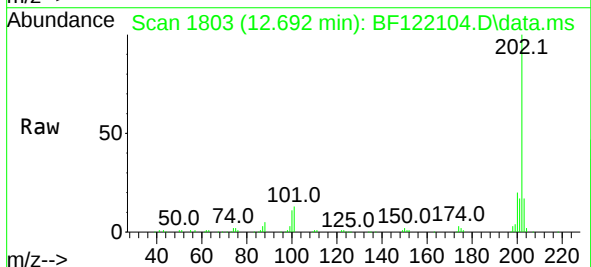
Instrument :
BNA_F
ClientSampleId :
SA-01-102220

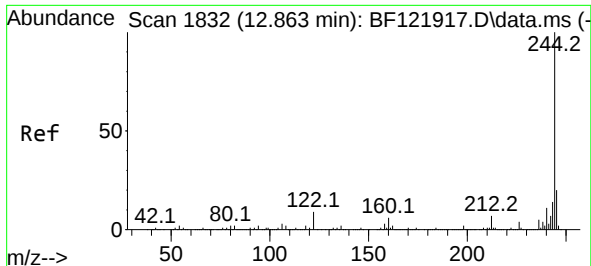
Tgt Ion:240 Resp: 253871
Ion Ratio Lower Upper
240 100
120 10.8 9.2 13.8
236 25.7 20.9 31.3



#78
Pyrene
Concen: 5.37 ng
RT: 12.692 min Scan# 1803
Delta R.T. 0.006 min
Lab File: BF122104.D
Acq: 23 Oct 2020 17:50

Tgt Ion:202 Resp: 103912
Ion Ratio Lower Upper
202 100
200 20.4 17.4 26.2
203 17.1 14.6 21.8

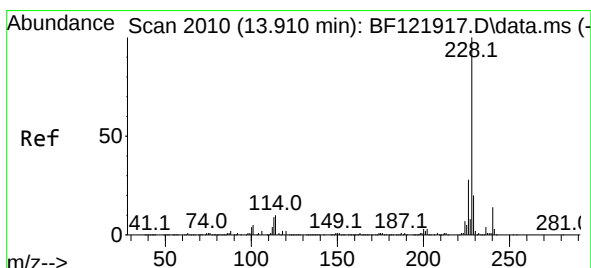
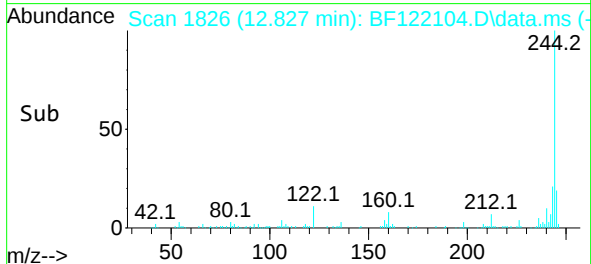
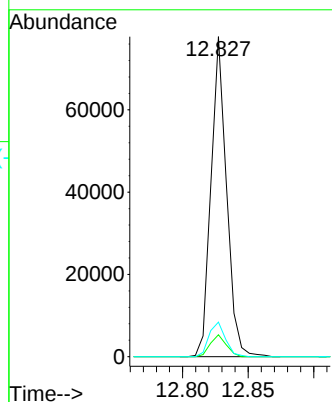
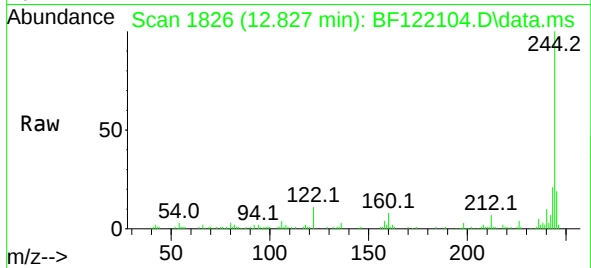




#79
 Terphenyl-d14
 Concen: 4.82 ng
 RT: 12.827 min Scan# 1826
 Delta R.T. -0.006 min
 Lab File: BF122104.D
 Acq: 23 Oct 2020 17:50

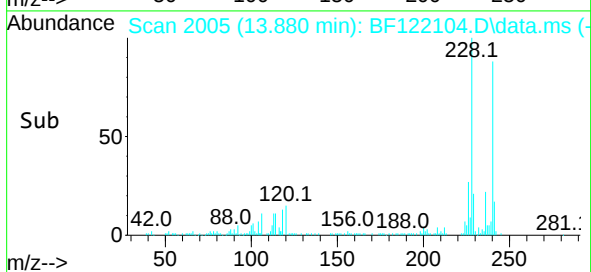
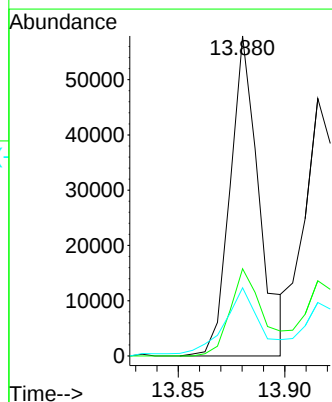
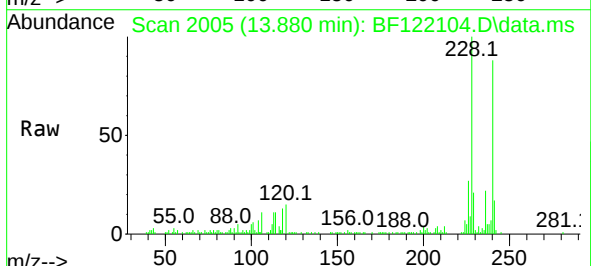
Instrument :
 BNA_F
 ClientSampleId :
 SA-01-102220

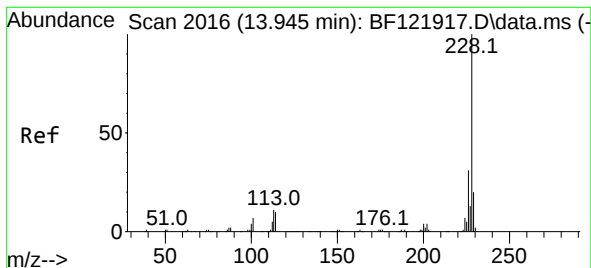
Tgt Ion:244 Resp: 64260
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.2
 122 10.8 8.1 12.1



#81
 Benzo(a)anthracene
 Concen: 3.30 ng
 RT: 13.880 min Scan# 2005
 Delta R.T. -0.000 min
 Lab File: BF122104.D
 Acq: 23 Oct 2020 17:50

Tgt Ion:228 Resp: 54959
 Ion Ratio Lower Upper
 228 100
 226 27.2 22.3 33.5
 229 21.3 16.2 24.4





#83

Chrysene

Concen: 3.14 ng

RT: 13.915 min Scan# 2011

Delta R.T. -0.000 min

Lab File: BF122104.D

Acq: 23 Oct 2020 17:50

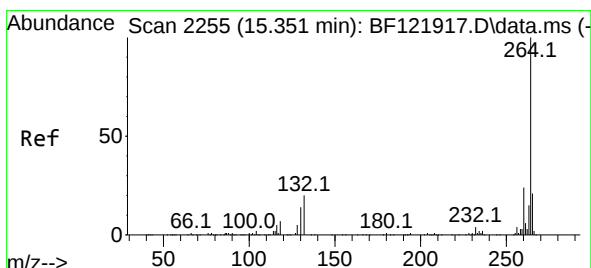
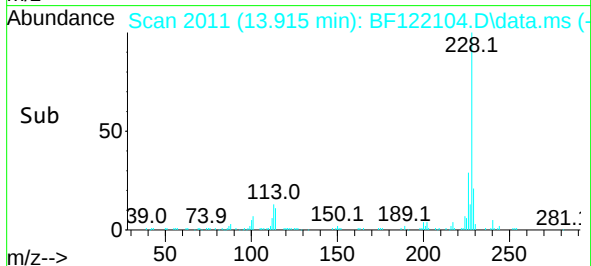
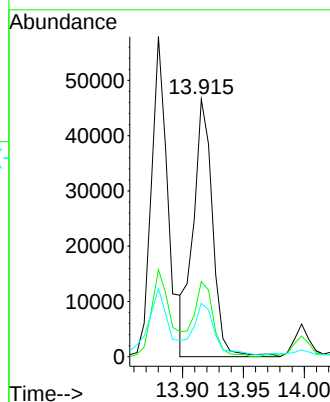
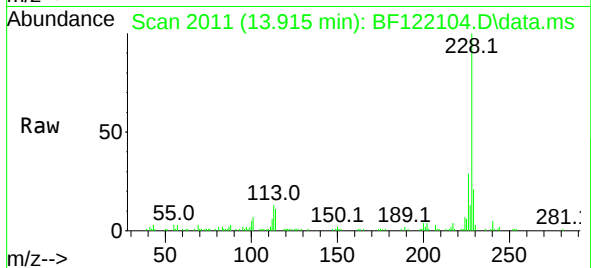
Tgt Ion:228 Resp: 51257

Ion Ratio Lower Upper

228 100

226 29.2 24.6 37.0

229 20.7 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: BF122104.D

Acq: 23 Oct 2020 17:50

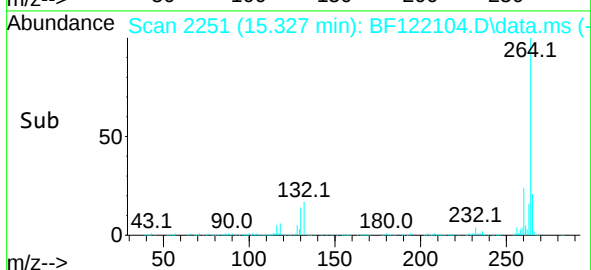
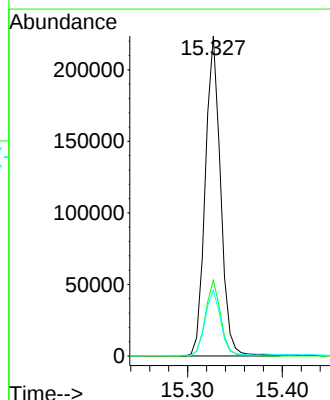
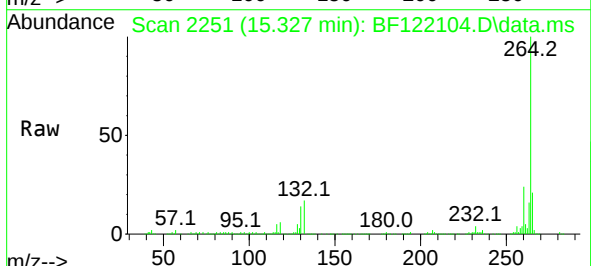
Tgt Ion:264 Resp: 250555

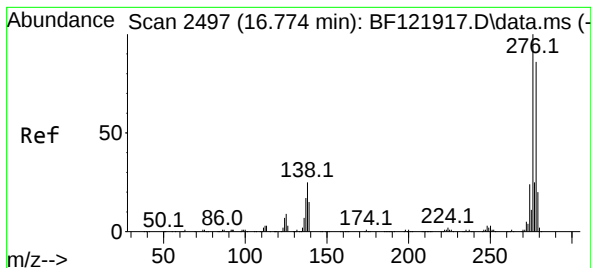
Ion Ratio Lower Upper

264 100

260 23.6 18.7 28.1

265 20.6 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.05 ng

RT: 16.745 min Scan# 2492

Delta R.T. 0.018 min

Lab File: BF122104.D

Acq: 23 Oct 2020 17:50

Tgt Ion:276 Resp: 33420

Ion Ratio Lower Upper

276 100

138 22.4 19.9 29.9

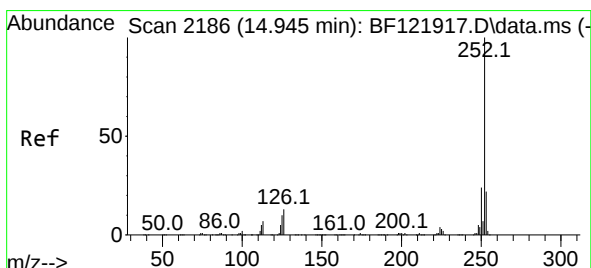
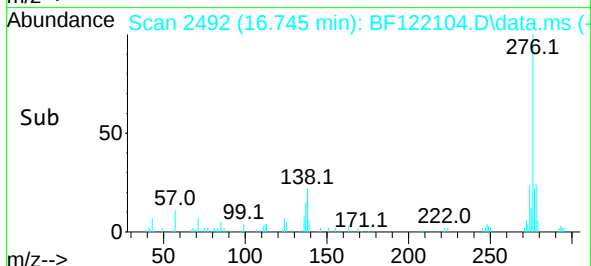
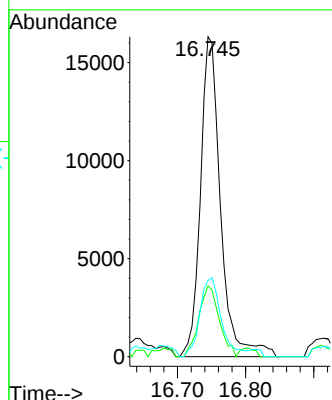
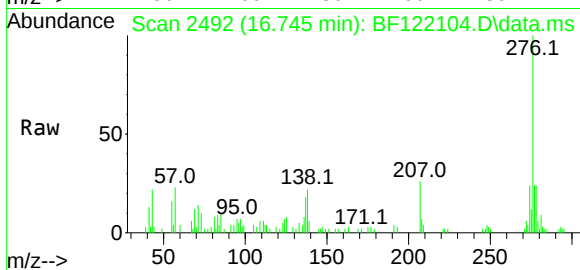
277 26.4 20.4 30.6

Instrument :

BNA_F

ClientSampleId :

SA-01-102220



#88

Benzo(b)fluoranthene

Concen: 5.78 ng

RT: 14.915 min Scan# 2181

Delta R.T. 0.006 min

Lab File: BF122104.D

Acq: 23 Oct 2020 17:50

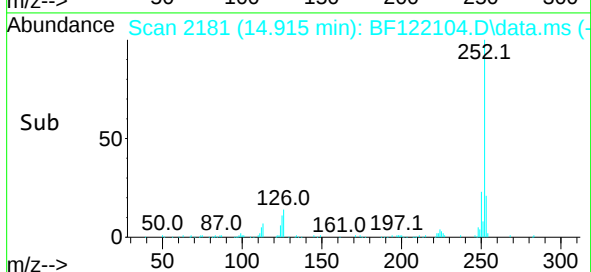
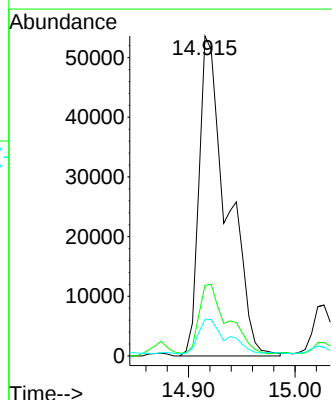
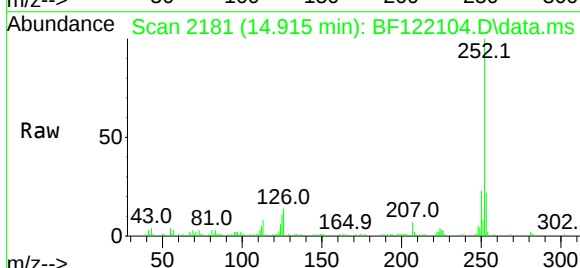
Tgt Ion:252 Resp: 97961

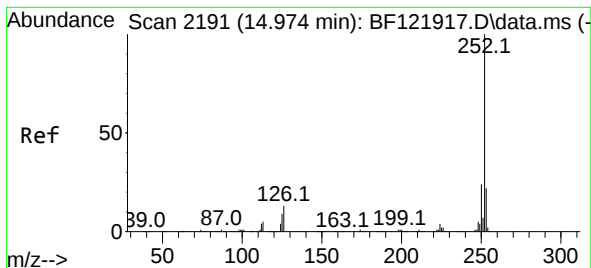
Ion Ratio Lower Upper

252 100

253 22.1 18.2 27.2

125 11.5 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 6.09 ng

RT: 14.915 min Scan# 2181

Delta R.T. -0.018 min

Lab File: BF122104.D

Acq: 23 Oct 2020 17:50

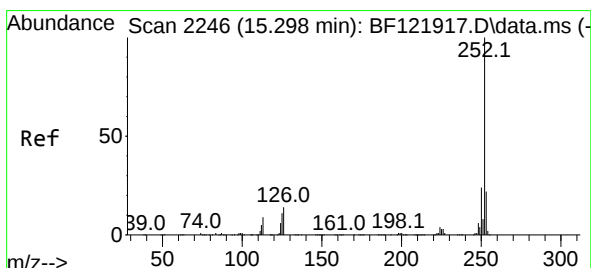
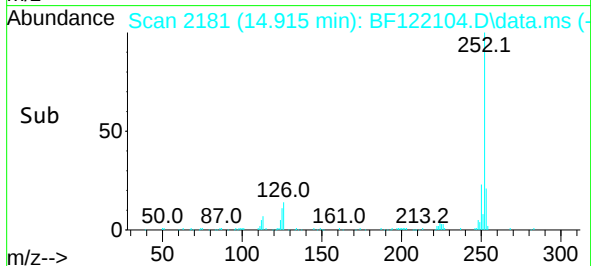
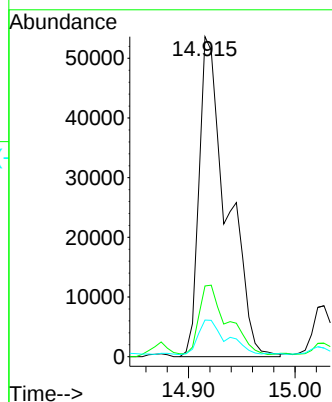
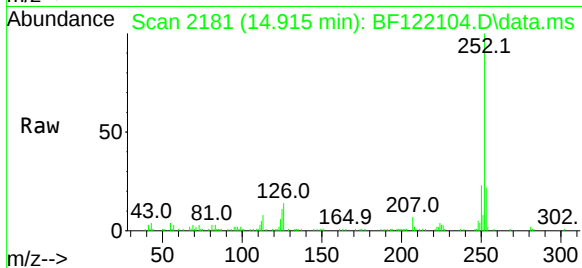
Tgt Ion:252	Resp:	97961
Ion Ratio	Lower	Upper
252	100	
253	22.1	17.8 26.6
125	11.5	7.7 11.5

Instrument :

BNA_F

ClientSampleId :

SA-01-102220



#90

Benzo(a)pyrene

Concen: 3.53 ng

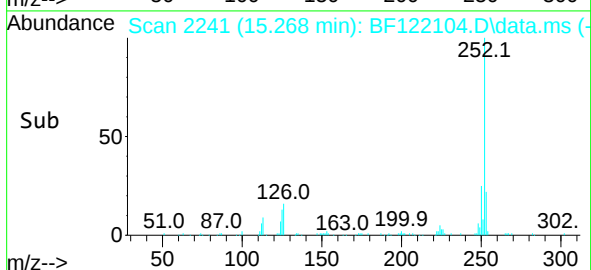
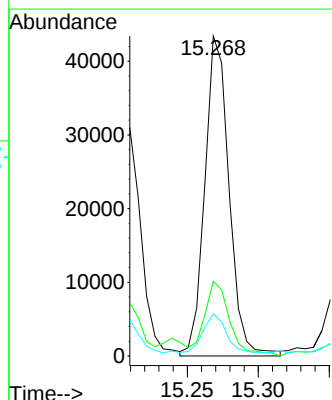
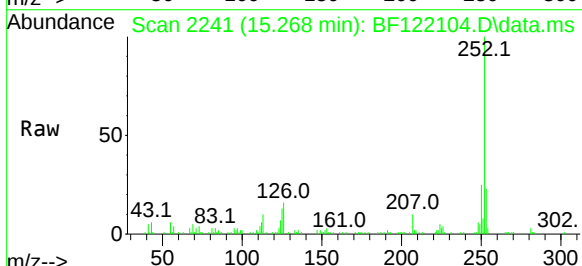
RT: 15.268 min Scan# 2241

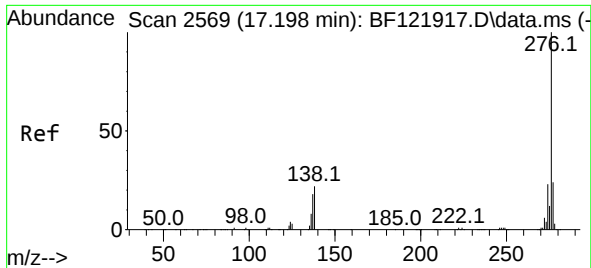
Delta R.T. 0.012 min

Lab File: BF122104.D

Acq: 23 Oct 2020 17:50

Tgt Ion:252	Resp:	51595
Ion Ratio	Lower	Upper
252	100	
253	23.3	17.3 25.9
125	13.1	8.6 13.0#





#92
 Benzo(g,h,i)perylene
 Concen: 2.25 ng
 RT: 17.174 min Scan# 2565
 Delta R.T. 0.035 min
 Lab File: BF122104.D
 Acq: 23 Oct 2020 17:50

Instrument :
 BNA_F
 ClientSampleId :
 SA-01-102220

Tgt Ion:	276	Resp:	30215
Ion	Ratio	Lower	Upper
276	100		
277	25.5	19.4	29.2
138	21.9	17.8	26.6

