

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101420\
 Data File : BF121968.D
 Acq On : 14 Oct 2020 20:40
 Operator : JU/CG
 Sample : L4226-07
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-08-101320

Quant Time: Oct 15 01:23:51 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 12 16:22:33 2020
 Response via : Initial Calibration

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

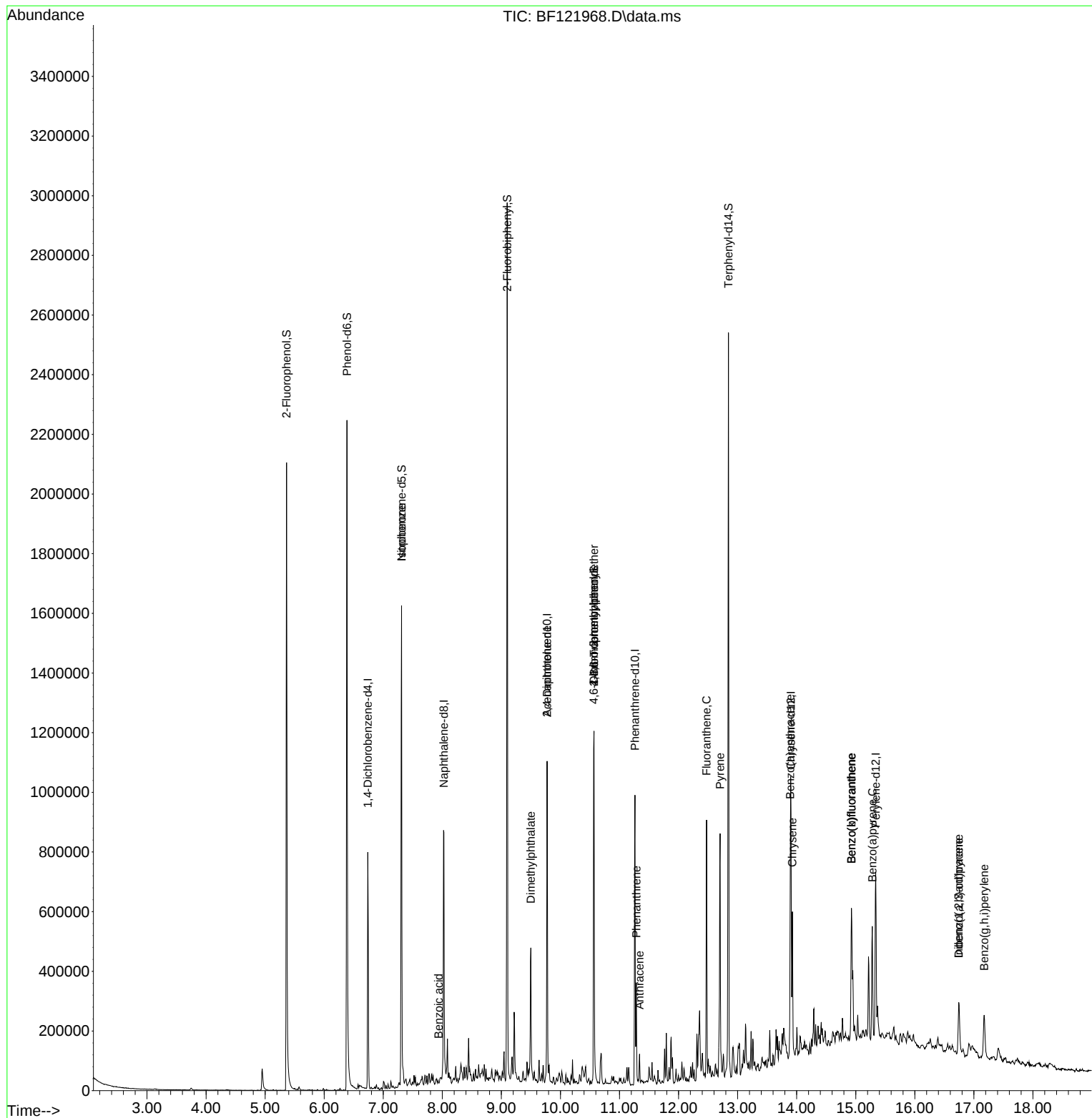
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	110669	20.00	ng	0.00
21) Naphthalene-d8	8.028	136	417521	20.00	ng	0.00
39) Acenaphthene-d10	9.775	164	202169	20.00	ng	-0.01
64) Phenanthrene-d10	11.263	188	343598	20.00	ng	-0.01
76) Chrysene-d12	13.904	240	244223	20.00	ng	-0.01
86) Perylene-d12	15.339	264	235899	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	603796	80.52	ng	0.00
7) Phenol-d6	6.387	99	772427	80.02	ng	-0.01
23) Nitrobenzene-d5	7.310	82	528912	64.97	ng	-0.01
42) 2,4,6-Tribromophenol	10.569	330	162615	65.02	ng	-0.01
45) 2-Fluorobiphenyl	9.098	172	887793	64.61	ng	-0.01
79) Terphenyl-d14	12.845	244	737619	57.56	ng	-0.02
Target Compounds						Qvalue
9) Benzaldehyde	6.387	77	1290	Below Cal	#	3
25) Isophorone	7.310	82	523825	34.03	ng	# 67
32) Benzoic acid	7.939	122	123	7.71	ng	88
50) Dimethylphthalate	9.498	163	167816	11.35	ng	99
57) 2,4-Dinitrotoluene	9.775	165	27490	6.89	ng	# 21
65) 4,6-Dinitro-2-methylph...	10.563	198	291	4.55	ng	# 1
67) 4-Bromophenyl-phenylether	10.569	248	9791	2.47	ng	# 1
71) Phenanthrene	11.286	178	124144	6.59	ng	97
72) Anthracene	11.339	178	41831	2.14	ng	98
75) Fluoranthene	12.474	202	311130	15.40	ng	98
78) Pyrene	12.704	202	329365	17.70	ng	99
81) Benzo(a)anthracene	13.892	228	209501	13.09	ng	100
83) Chrysene	13.927	228	173330	11.03	ng	98
87) Indeno(1,2,3-cd)pyrene	16.745	276	103160	6.74	ng	96
88) Benzo(b)fluoranthene	14.927	252	310895	19.50	ng	# 97
89) Benzo(k)fluoranthene	14.927	252	310895	20.52	ng	# 96
90) Benzo(a)pyrene	15.280	252	171165	12.43	ng	98
91) Dibenzo(a,h)anthracene	16.745	278	31544	2.50	ng	# 95
92) Benzo(g,h,i)perylene	17.174	276	110152	8.73	ng	98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101420\
Data File : BF121968.D
Acq On : 14 Oct 2020 20:40
Operator : JU/CG
Sample : L4226-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TR-08-101320

Quant Time: Oct 15 01:23:51 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 12 16:22:33 2020
Response via : Initial Calibration

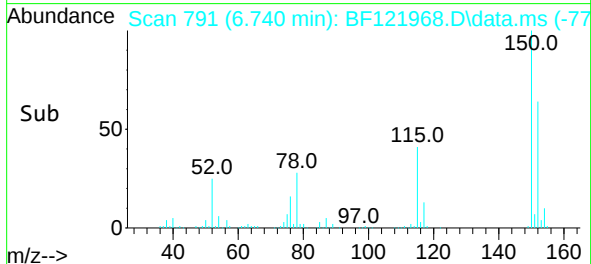
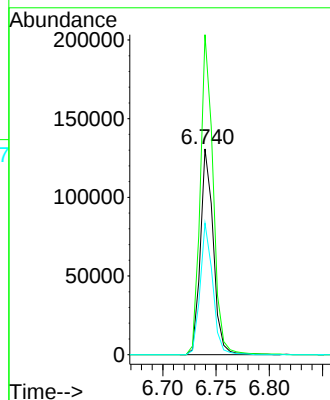
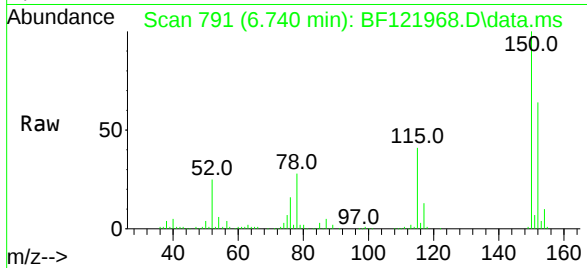




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.740 min Scan# 791
Delta R.T. -0.005 min
Lab File: BF121968.D
Acq: 14 Oct 2020 20:40

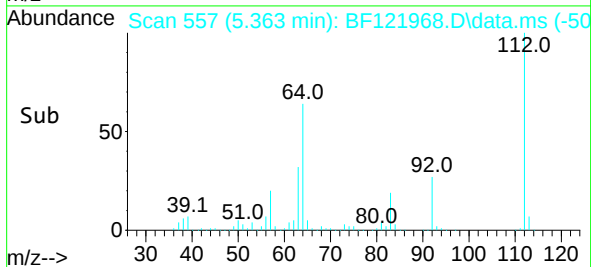
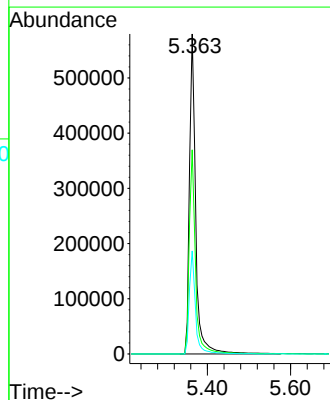
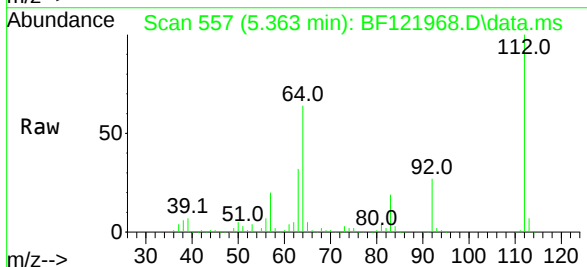
Instrument :
BNA_F
ClientSampleId :
TR-08-101320

Tgt Ion:152 Resp: 110669
Ion Ratio Lower Upper
152 100
150 155.6 125.3 187.9
115 64.0 51.9 77.9



#5
2-Fluorophenol
Concen: 80.52 ng
RT: 5.363 min Scan# 557
Delta R.T. 0.000 min
Lab File: BF121968.D
Acq: 14 Oct 2020 20:40

Tgt Ion:112 Resp: 603796
Ion Ratio Lower Upper
112 100
64 63.8 50.4 75.6
63 32.2 25.8 38.6



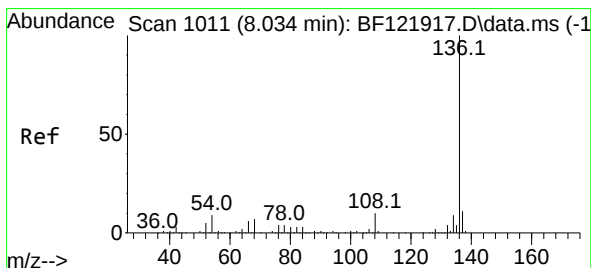
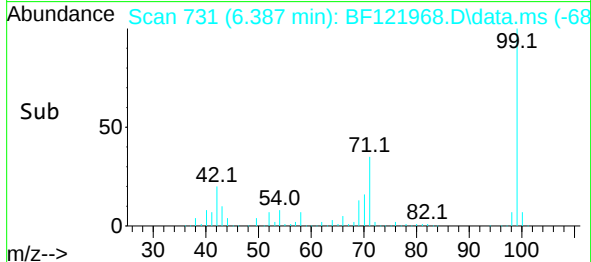
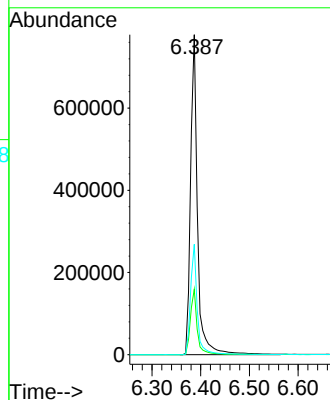
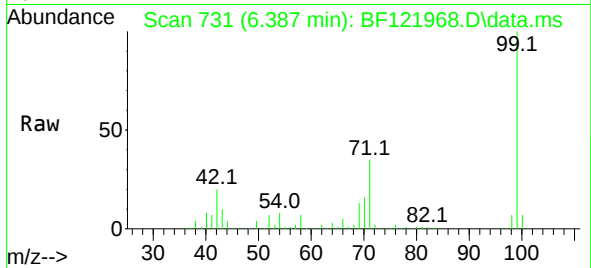


#7
Phenol-d6
Concen: 80.02 ng
RT: 6.387 min Scan# 731
Delta R.T. -0.012 min
Lab File: BF121968.D
Acq: 14 Oct 2020 20:40

Instrument :
BNA_F
ClientSampleId :
TR-08-101320

Tgt Ion: 99 Resp: 772427

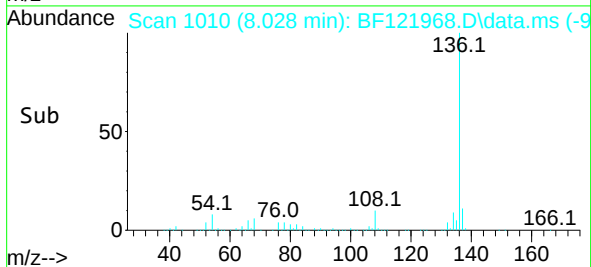
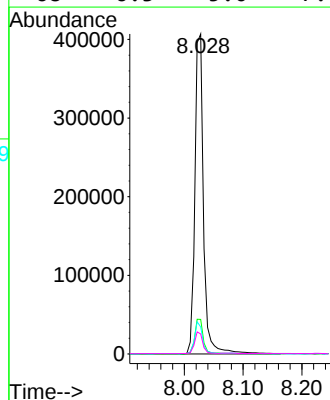
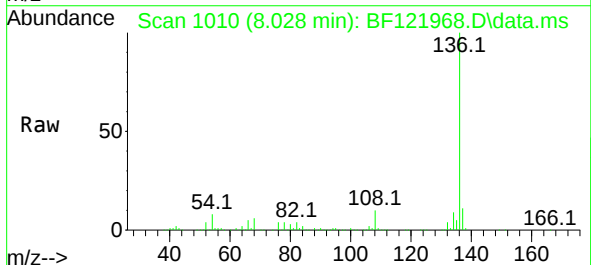
Ion	Ratio	Lower	Upper
99	100		
42	20.5	15.9	23.9
71	34.5	27.1	40.7

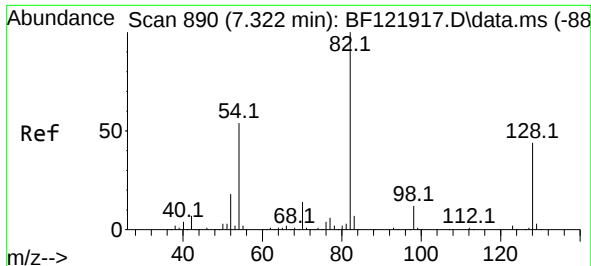


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.028 min Scan# 1010
Delta R.T. -0.006 min
Lab File: BF121968.D
Acq: 14 Oct 2020 20:40

Tgt Ion: 136 Resp: 417521

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	8.4	7.1	10.7
68	6.3	5.0	7.4





#23

Nitrobenzene-d5

Concen: 64.97 ng

RT: 7.310 min Scan# 888

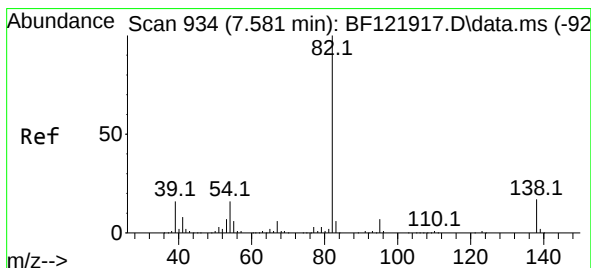
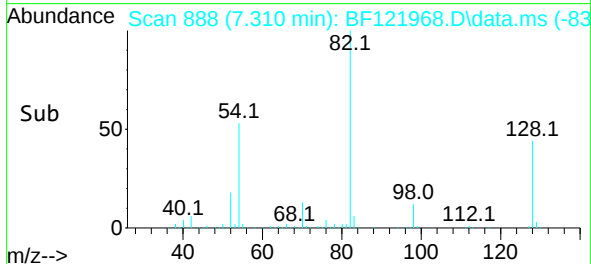
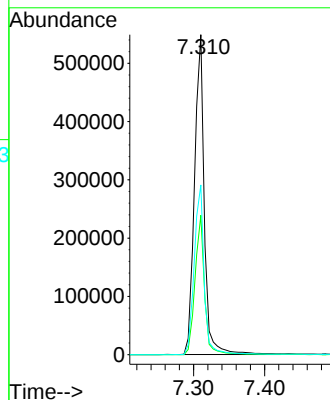
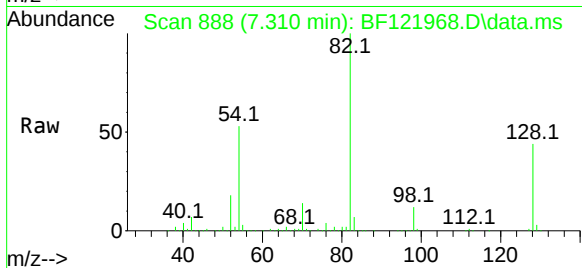
Delta R.T. -0.012 min

Lab File: BF121968.D

Acq: 14 Oct 2020 20:40

Tgt Ion: 82 Resp: 528912

Ion	Ratio	Lower	Upper
82	100		
128	43.6	35.0	52.4
54	53.1	43.9	65.9



#25

Isophorone

Concen: 34.03 ng

RT: 7.310 min Scan# 888

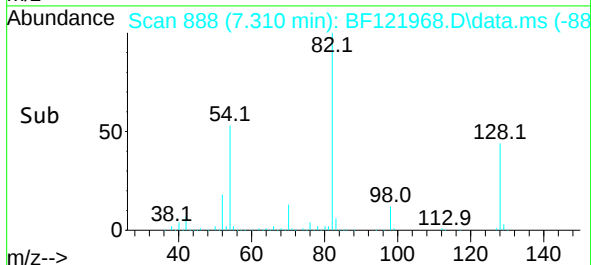
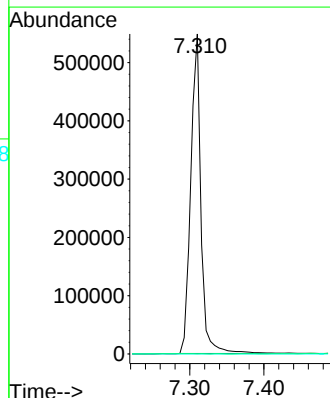
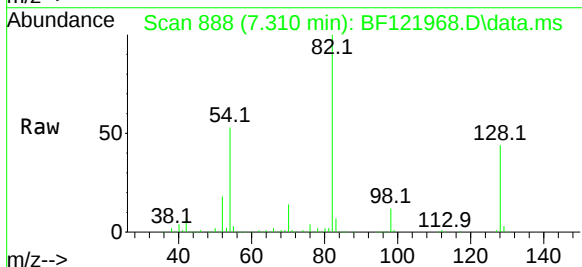
Delta R.T. -0.271 min

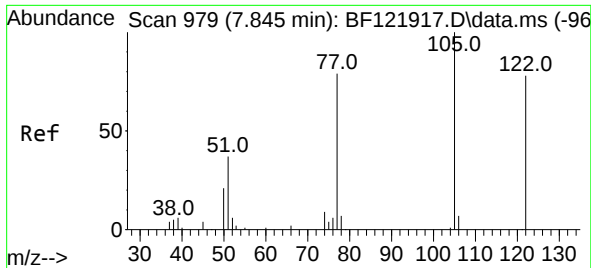
Lab File: BF121968.D

Acq: 14 Oct 2020 20:40

Tgt Ion: 82 Resp: 523825

Ion	Ratio	Lower	Upper
82	100		
95	0.1	5.4	8.0#
138	0.0	13.4	20.0#

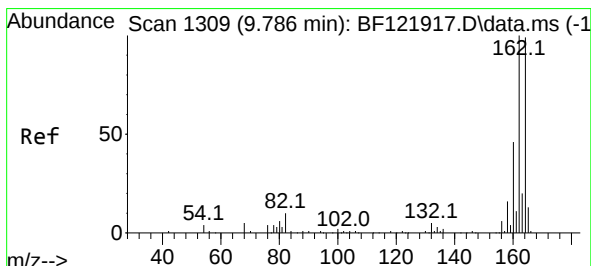
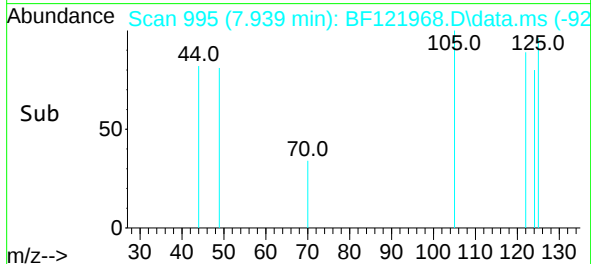
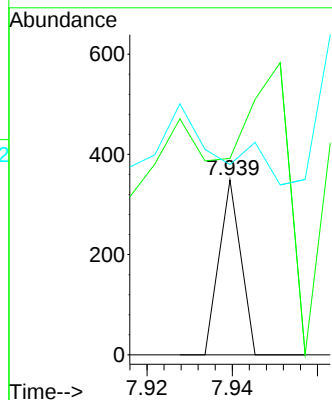
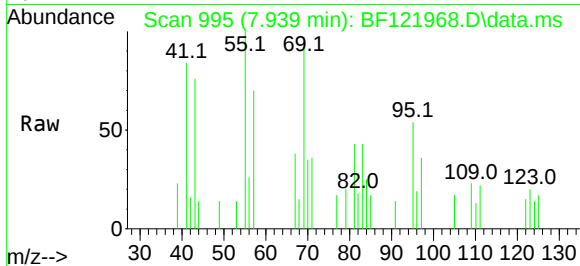




#32
Benzoic acid
Concen: 7.71 ng
RT: 7.939 min Scan# 995
Delta R.T. 0.094 min
Lab File: BF121968.D
Acq: 14 Oct 2020 20:40

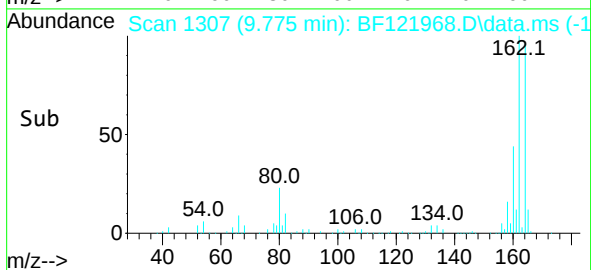
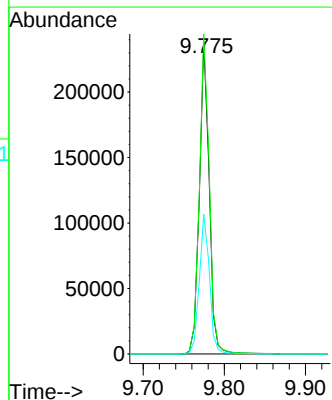
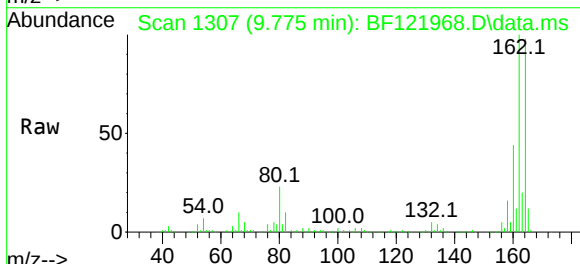
Instrument :
BNA_F
ClientSampleId :
TR-08-101320

Tgt Ion:122	Resp:	123
Ion	Ratio	Lower Upper
122	100	
105	112.3	103.3 143.3
77	108.9	73.9 113.9



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.011 min
Lab File: BF121968.D
Acq: 14 Oct 2020 20:40

Tgt Ion:164	Resp:	202169
Ion	Ratio	Lower Upper
164	100	
162	102.4	83.2 124.8
160	44.8	37.5 56.3

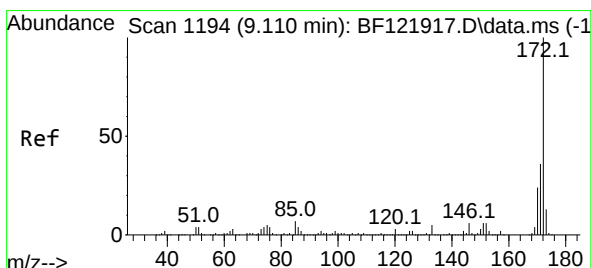
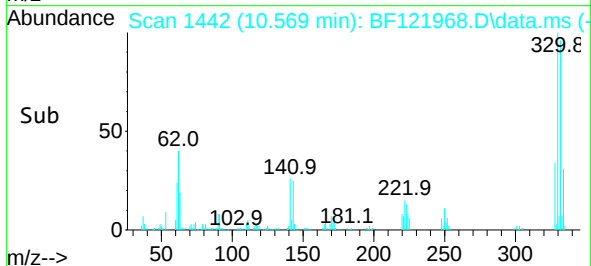
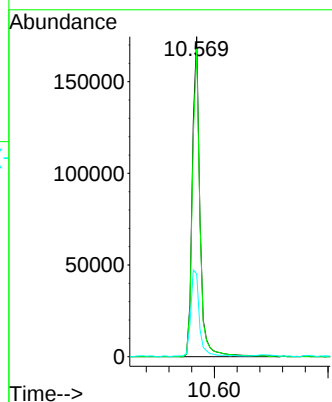
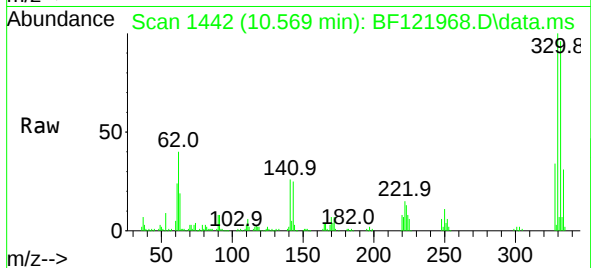




#42
2,4,6-Tribromophenol
Concen: 65.02 ng
RT: 10.569 min Scan# 1442
Delta R.T. -0.012 min
Lab File: BF121968.D
Acq: 14 Oct 2020 20:40

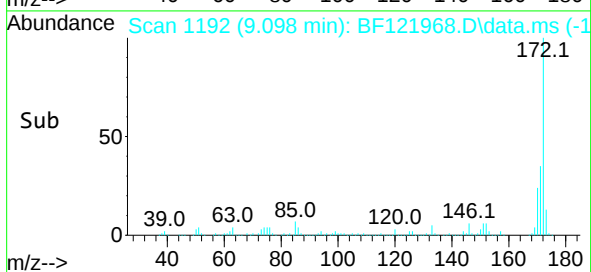
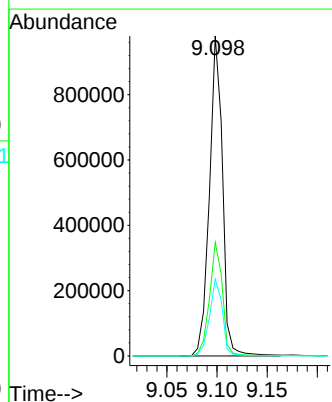
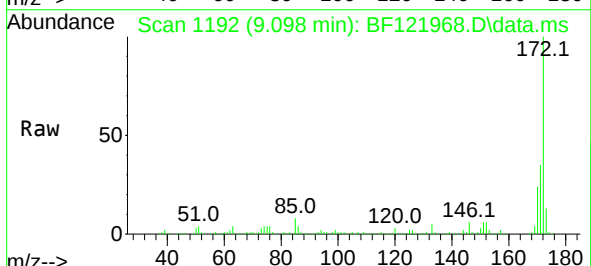
Instrument :
BNA_F
ClientSampleId :
TR-08-101320

Tgt Ion:330 Resp: 162615
Ion Ratio Lower Upper
330 100
332 95.7 77.3 115.9
141 31.6 22.3 33.5



#45
2-Fluorobiphenyl
Concen: 64.61 ng
RT: 9.098 min Scan# 1192
Delta R.T. -0.012 min
Lab File: BF121968.D
Acq: 14 Oct 2020 20:40

Tgt Ion:172 Resp: 887793
Ion Ratio Lower Upper
172 100
171 35.5 29.1 43.7
170 24.0 19.8 29.6

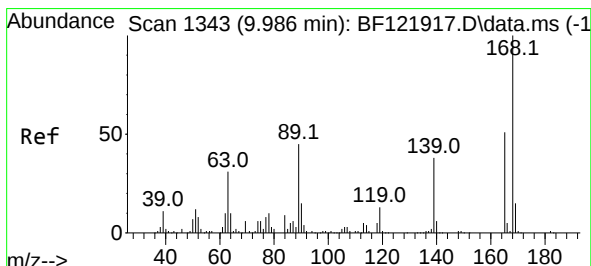
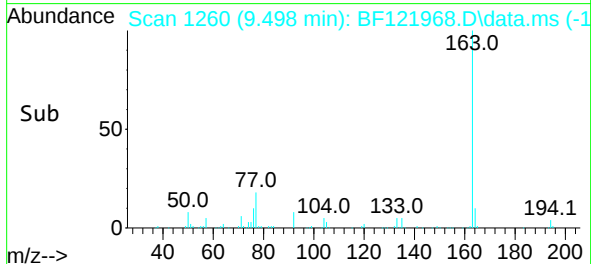
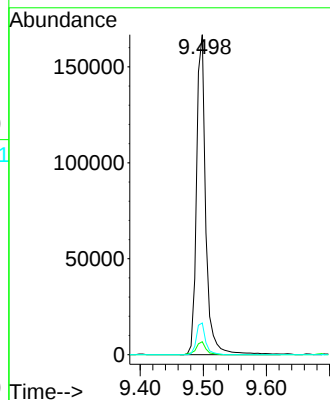
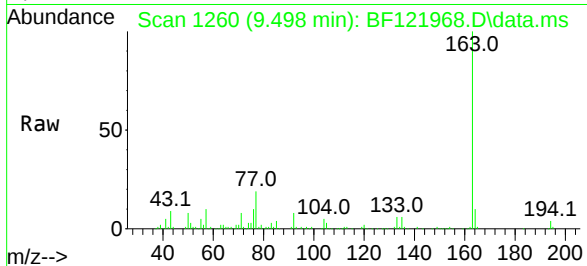




#50
Dimethylphthalate
Concen: 11.35 ng
RT: 9.498 min Scan# 1260
Delta R.T. -0.018 min
Lab File: BF121968.D
Acq: 14 Oct 2020 20:40

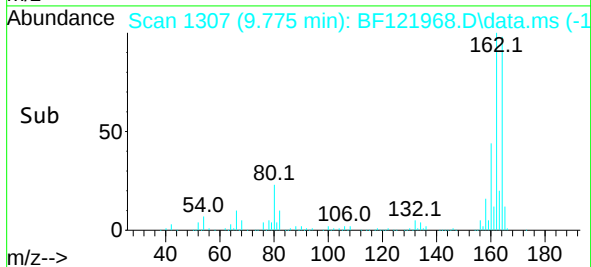
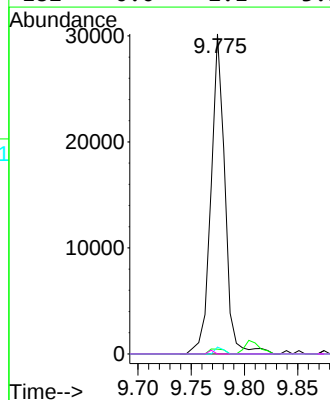
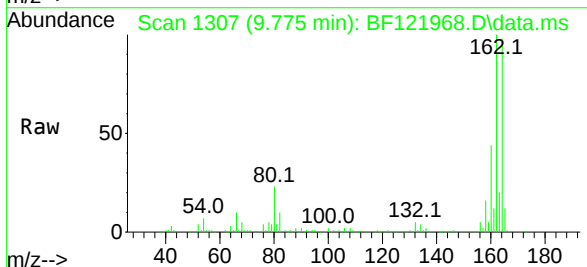
Instrument :
BNA_F
ClientSampleId :
TR-08-101320

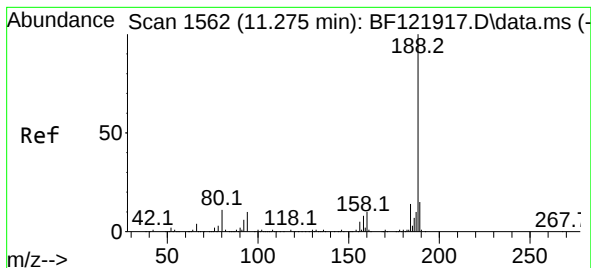
Tgt Ion:	163	Resp:	167816
Ion Ratio	Lower	Upper	
163	100		
194	4.1	3.3	4.9
164	9.9	8.2	12.4



#57
2,4-Dinitrotoluene
Concen: 6.89 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.212 min
Lab File: BF121968.D
Acq: 14 Oct 2020 20:40

Tgt Ion:	165	Resp:	27490
Ion Ratio	Lower	Upper	
165	100		
63	1.5	41.3	61.9#
89	2.2	61.8	92.8#
182	0.0	2.1	3.1#

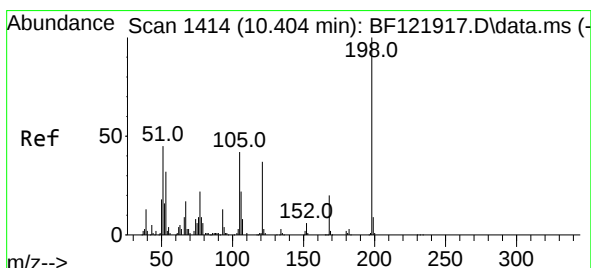
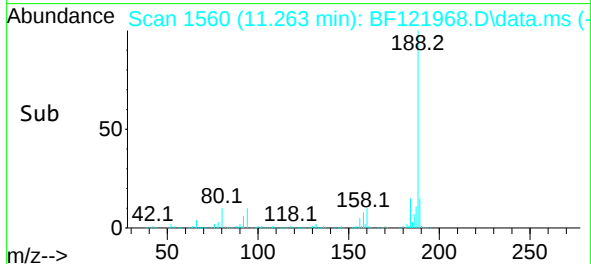
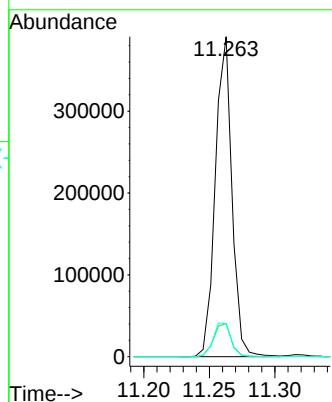
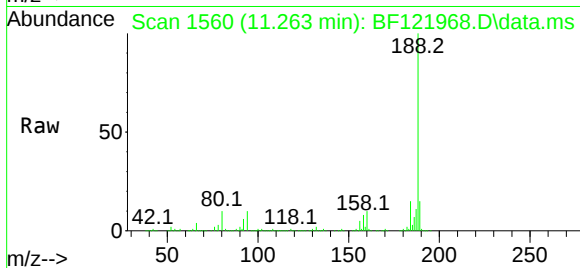




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.263 min Scan# 1560
Delta R.T. -0.012 min
Lab File: BF121968.D
Acq: 14 Oct 2020 20:40

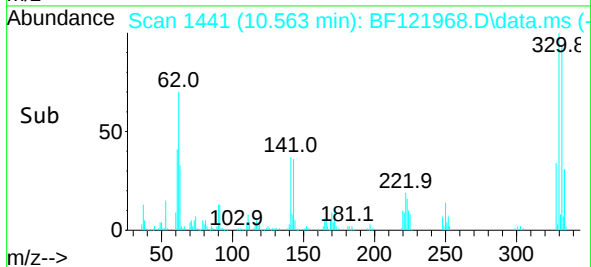
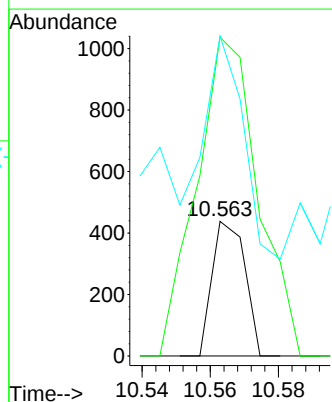
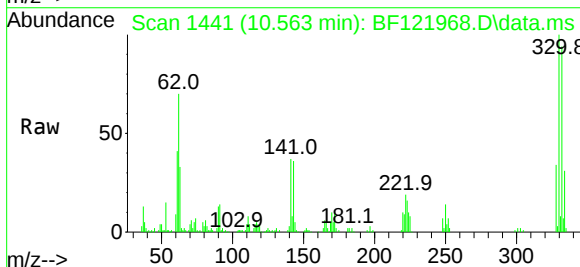
Instrument :
BNA_F
ClientSampleId :
TR-08-101320

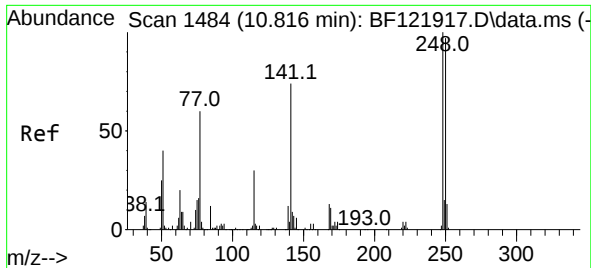
Tgt Ion:188 Resp: 343598
Ion Ratio Lower Upper
188 100
94 10.3 8.3 12.5
80 10.4 9.1 13.7



#65
4,6-Dinitro-2-methylphenol
Concen: 4.55 ng
RT: 10.563 min Scan# 1441
Delta R.T. 0.159 min
Lab File: BF121968.D
Acq: 14 Oct 2020 20:40

Tgt Ion:198 Resp: 291
Ion Ratio Lower Upper
198 100
51 236.8 29.6 69.6#
105 237.7 24.4 64.4#

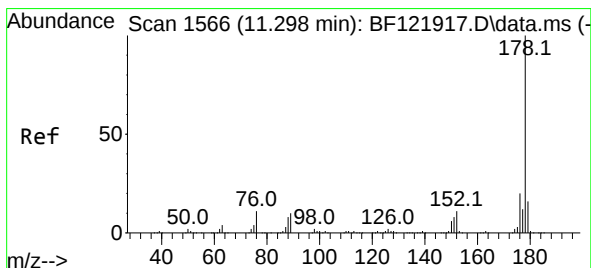
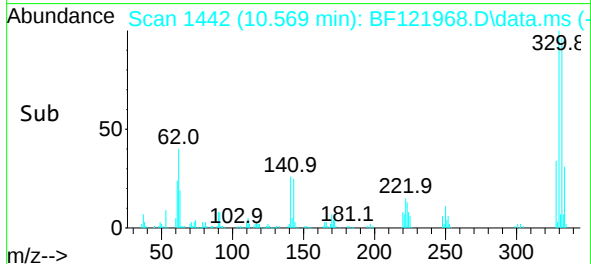
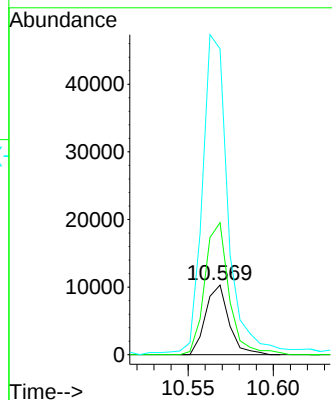
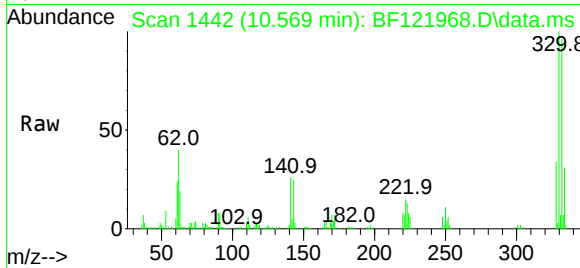




#67
4-Bromophenyl-phenylether
Concen: 2.47 ng
RT: 10.569 min Scan# 1442
Delta R.T. -0.247 min
Lab File: BF121968.D
Acq: 14 Oct 2020 20:40

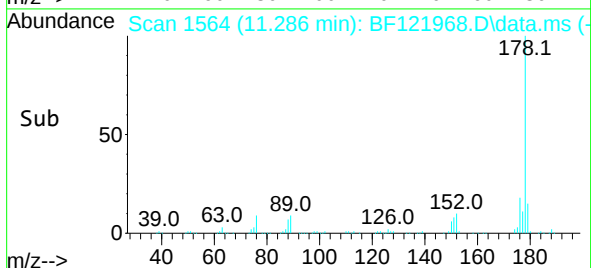
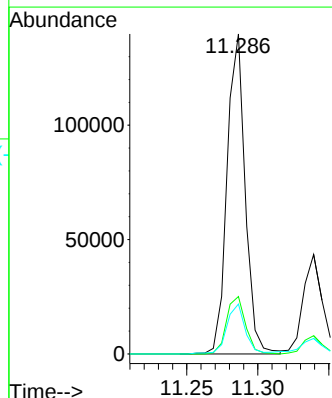
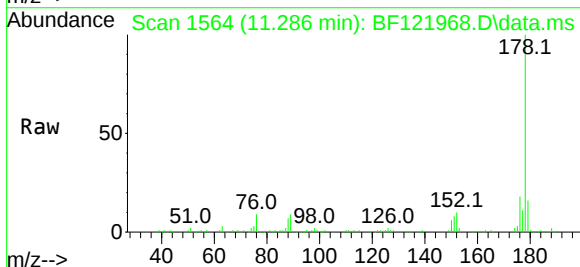
Instrument :
BNA_F
ClientSampleId :
TR-08-101320

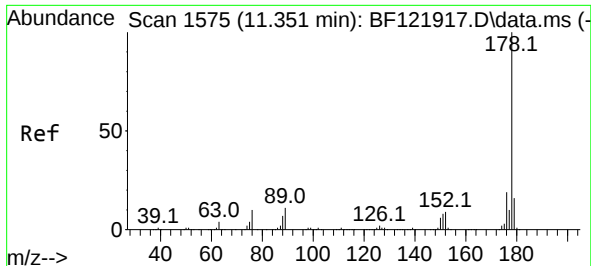
Tgt Ion:248 Resp: 9791
Ion Ratio Lower Upper
248 100
250 189.6 77.0 115.6#
141 439.4 53.7 80.5#



#71
Phenanthrene
Concen: 6.59 ng
RT: 11.286 min Scan# 1564
Delta R.T. -0.012 min
Lab File: BF121968.D
Acq: 14 Oct 2020 20:40

Tgt Ion:178 Resp: 124144
Ion Ratio Lower Upper
178 100
176 18.0 15.9 23.9
179 15.6 12.2 18.4

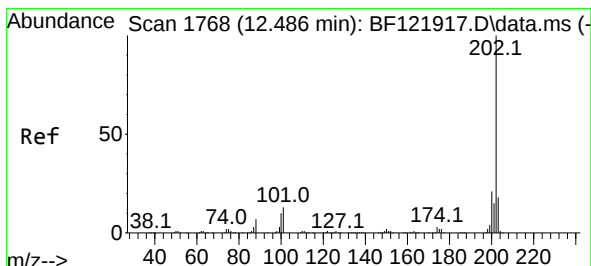
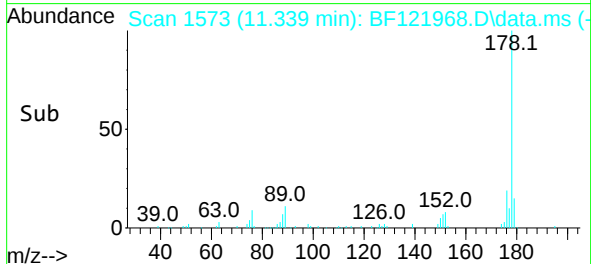
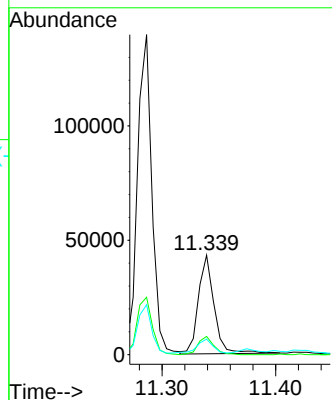
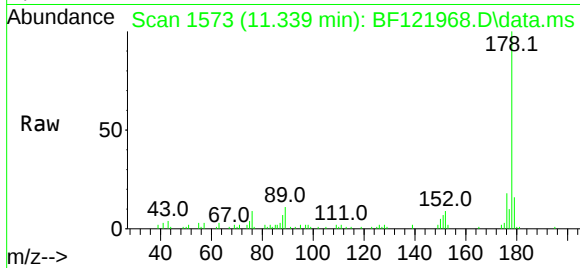




#72
 Anthracene
 Concen: 2.14 ng
 RT: 11.339 min Scan# 1573
 Delta R.T. -0.012 min
 Lab File: BF121968.D
 Acq: 14 Oct 2020 20:40

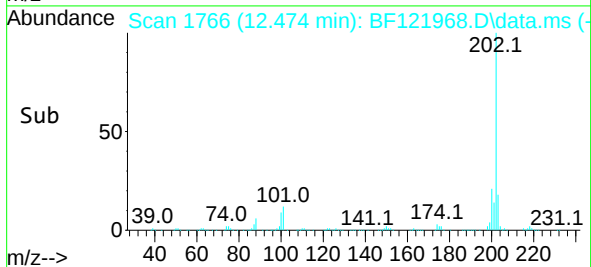
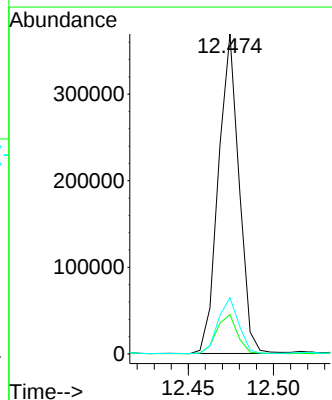
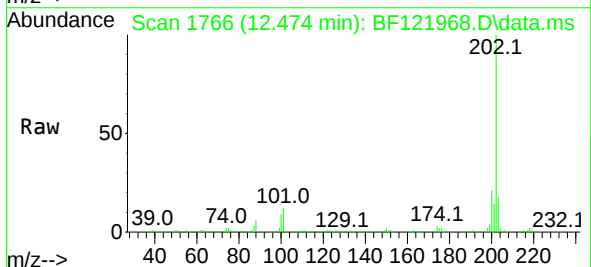
Instrument :
 BNA_F
 ClientSampleId :
 TR-08-101320

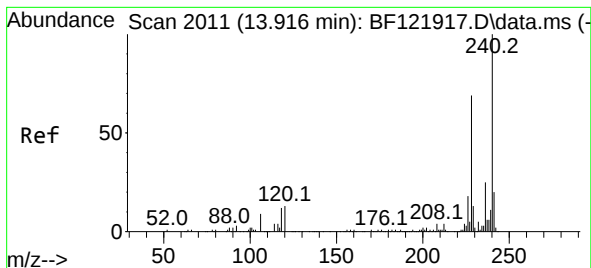
Tgt Ion:178 Resp: 41831
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.7 23.5
 179 15.5 12.7 19.1



#75
 Fluoranthene
 Concen: 15.40 ng
 RT: 12.474 min Scan# 1766
 Delta R.T. -0.012 min
 Lab File: BF121968.D
 Acq: 14 Oct 2020 20:40

Tgt Ion:202 Resp: 311130
 Ion Ratio Lower Upper
 202 100
 101 12.3 0.0 33.4
 203 17.6 0.0 37.9

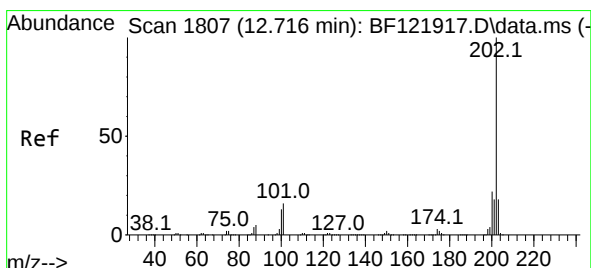
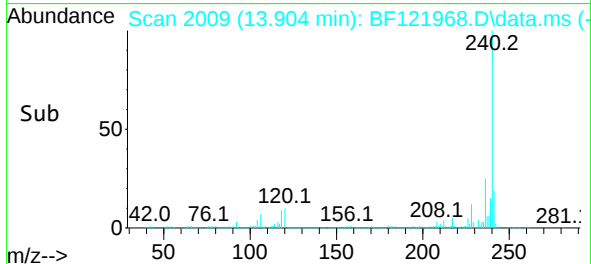
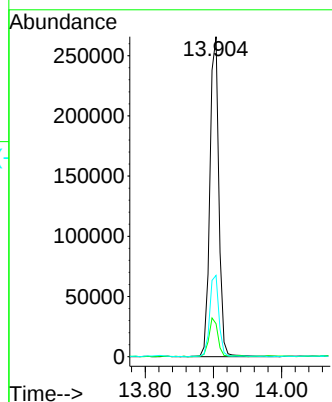
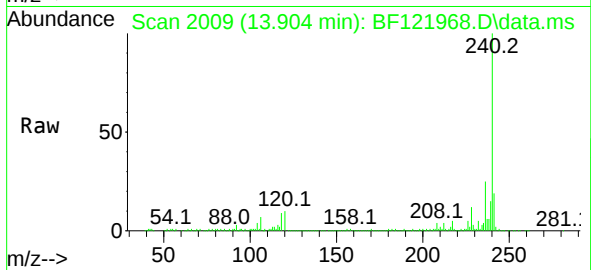




#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.904 min Scan# 2009
Delta R.T. -0.012 min
Lab File: BF121968.D
Acq: 14 Oct 2020 20:40

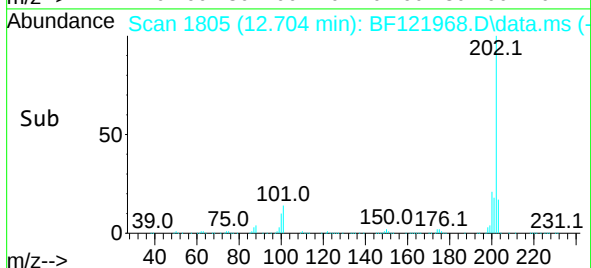
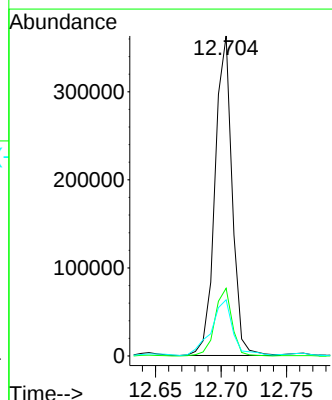
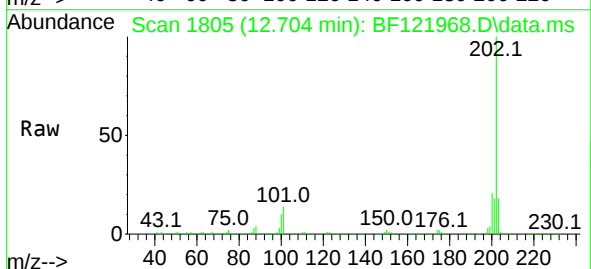
Instrument :
BNA_F
ClientSampleId :
TR-08-101320

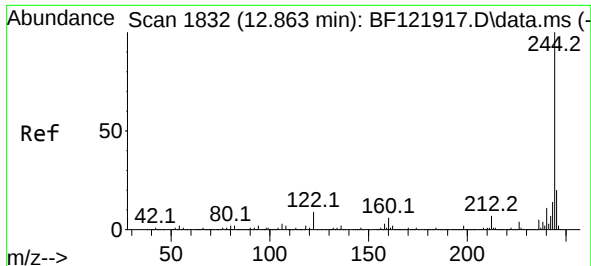
Tgt Ion:240 Resp: 244223
Ion Ratio Lower Upper
240 100
120 10.3 9.2 13.8
236 25.4 20.9 31.3



#78
Pyrene
Concen: 17.70 ng
RT: 12.704 min Scan# 1805
Delta R.T. -0.012 min
Lab File: BF121968.D
Acq: 14 Oct 2020 20:40

Tgt Ion:202 Resp: 329365
Ion Ratio Lower Upper
202 100
200 21.2 17.4 26.2
203 17.6 14.6 21.8

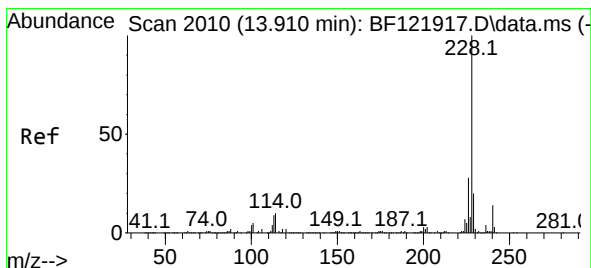
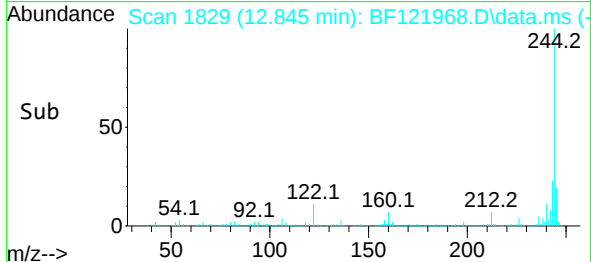
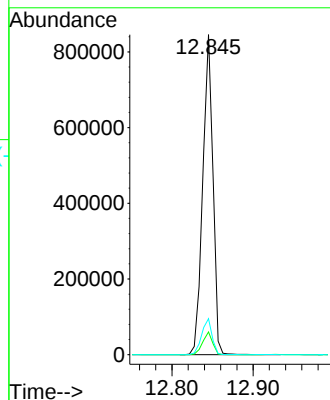
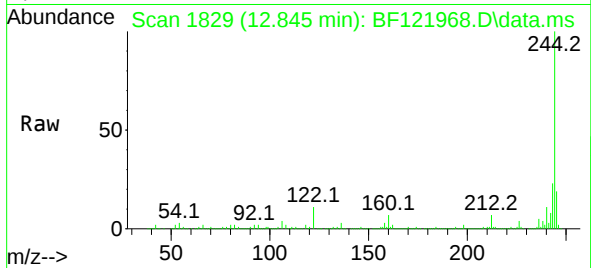




#79
 Terphenyl-d14
 Concen: 57.56 ng
 RT: 12.845 min Scan# 1829
 Delta R.T. -0.018 min
 Lab File: BF121968.D
 Acq: 14 Oct 2020 20:40

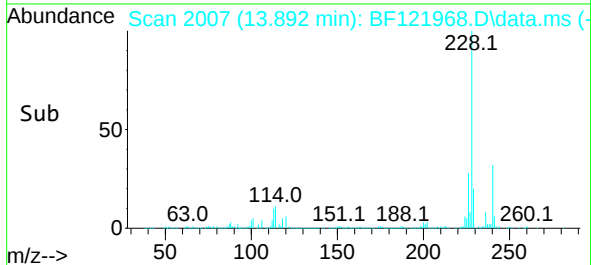
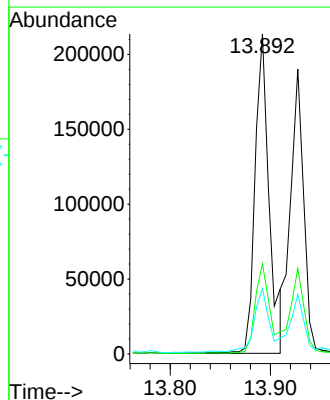
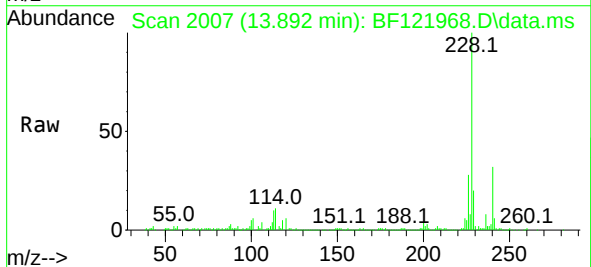
Instrument :
 BNA_F
 ClientSampleId :
 TR-08-101320

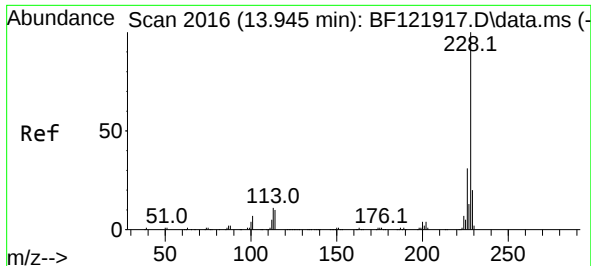
Tgt Ion:244 Resp: 737619
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.4 8.2
 122 11.2 8.1 12.1



#81
 Benzo(a)anthracene
 Concen: 13.09 ng
 RT: 13.892 min Scan# 2007
 Delta R.T. -0.018 min
 Lab File: BF121968.D
 Acq: 14 Oct 2020 20:40

Tgt Ion:228 Resp: 209501
 Ion Ratio Lower Upper
 228 100
 226 28.2 22.3 33.5
 229 20.5 16.2 24.4

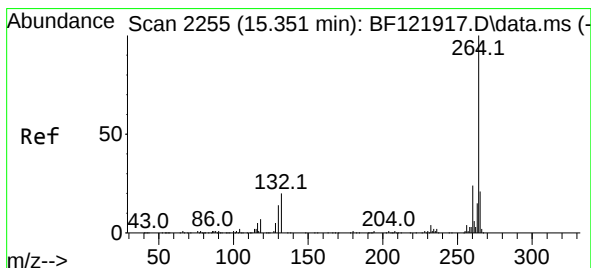
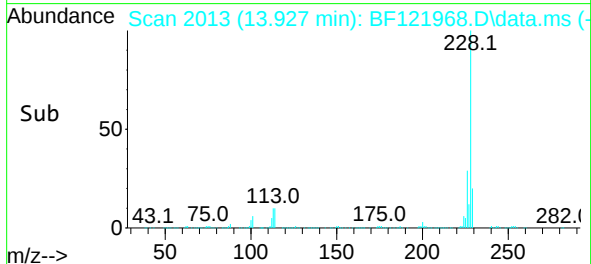
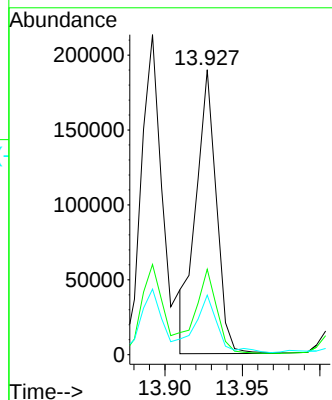
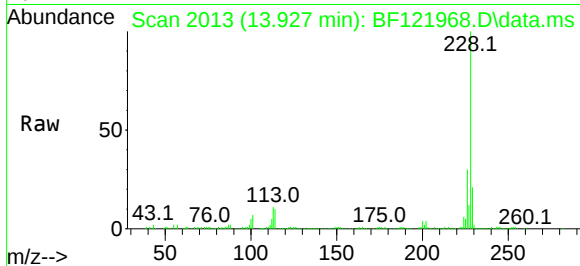




#83
Chrysene
Concen: 11.03 ng
RT: 13.927 min Scan# 2013
Delta R.T. -0.018 min
Lab File: BF121968.D
Acq: 14 Oct 2020 20:40

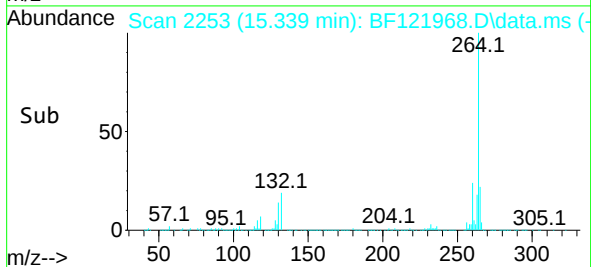
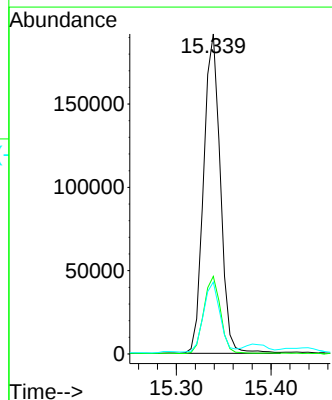
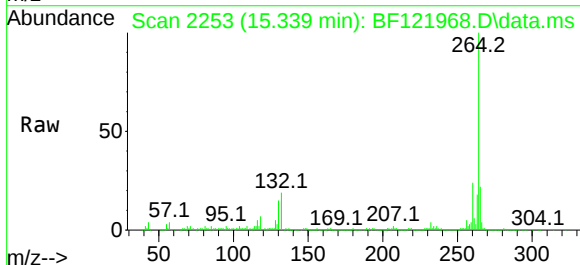
Instrument :
BNA_F
ClientSampleId :
TR-08-101320

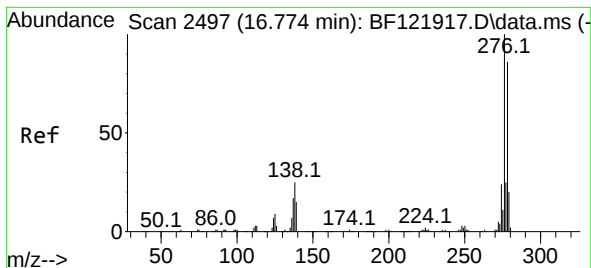
Tgt Ion:228	Resp: 173330
Ion Ratio	Lower Upper
228 100	
226 30.0	24.6 37.0
229 20.9	15.9 23.9



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.339 min Scan# 2253
Delta R.T. -0.012 min
Lab File: BF121968.D
Acq: 14 Oct 2020 20:40

Tgt Ion:264	Resp: 235899
Ion Ratio	Lower Upper
264 100	
260 24.3	18.7 28.1
265 22.5	17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.74 ng

RT: 16.745 min Scan# 2492

Delta R.T. -0.029 min

Lab File: BF121968.D

Acq: 14 Oct 2020 20:40

Tgt Ion:276 Resp: 103160

Ion Ratio Lower Upper

276 100

138 22.1 19.9 29.9

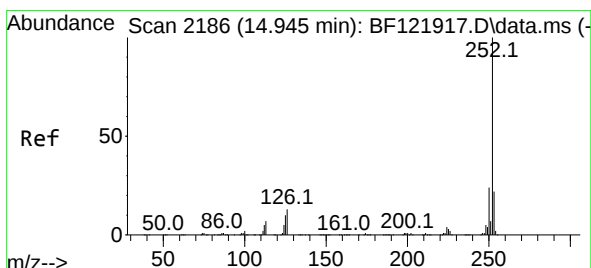
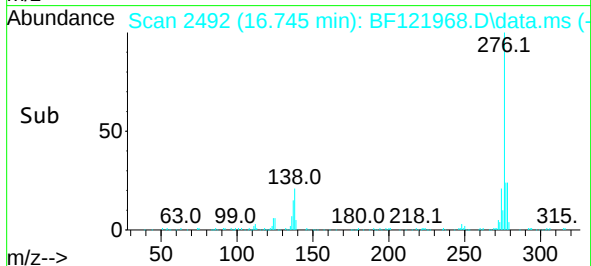
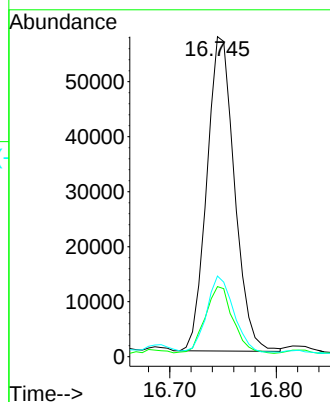
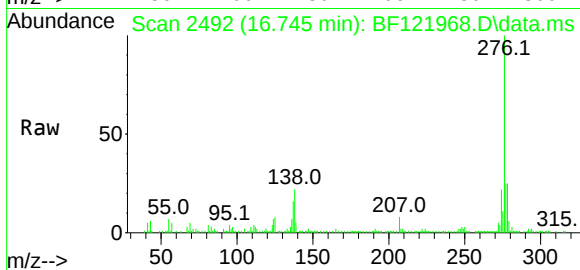
277 24.2 20.4 30.6

Instrument :

BNA_F

ClientSampleId :

TR-08-101320



#88

Benzo(b)fluoranthene

Concen: 19.50 ng

RT: 14.927 min Scan# 2183

Delta R.T. -0.018 min

Lab File: BF121968.D

Acq: 14 Oct 2020 20:40

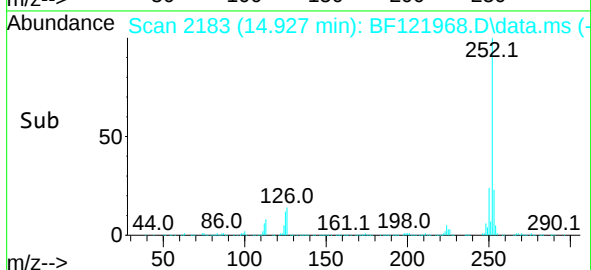
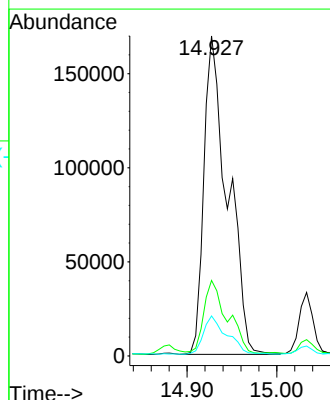
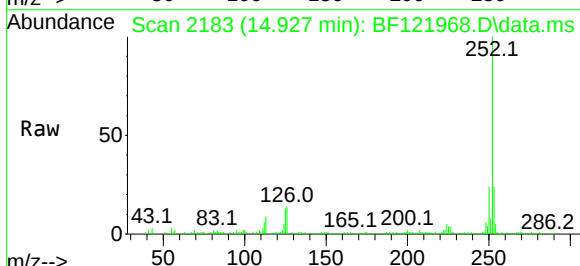
Tgt Ion:252 Resp: 310895

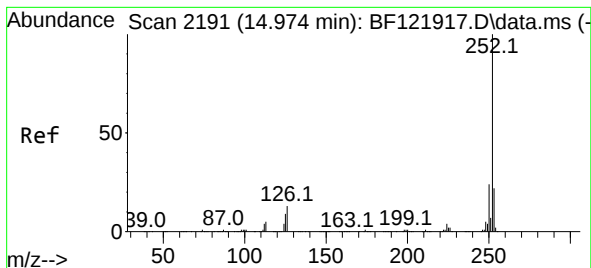
Ion Ratio Lower Upper

252 100

253 23.6 18.2 27.2

125 12.5 8.0 12.0#





#89

Benzo(k)fluoranthene

Concen: 20.52 ng

RT: 14.927 min Scan# 2183

Delta R.T. -0.047 min

Lab File: BF121968.D

Acq: 14 Oct 2020 20:40

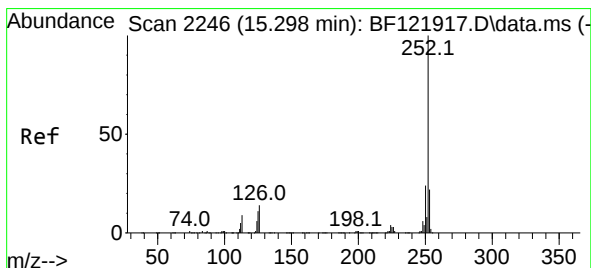
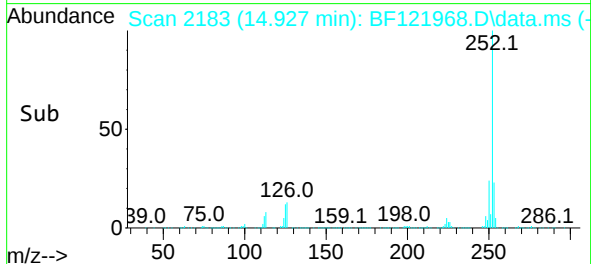
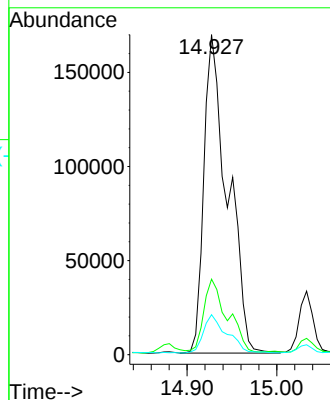
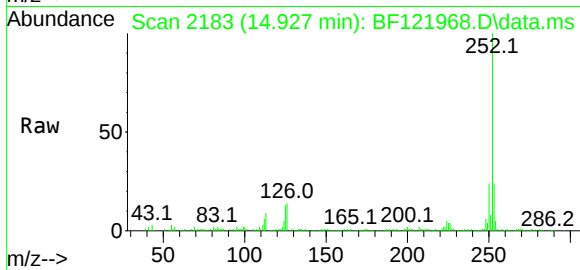
Tgt Ion:252 Resp: 310895

Ion Ratio Lower Upper

252 100

253 23.6 17.8 26.6

125 12.5 7.7 11.5#



#90

Benzo(a)pyrene

Concen: 12.43 ng

RT: 15.280 min Scan# 2243

Delta R.T. -0.018 min

Lab File: BF121968.D

Acq: 14 Oct 2020 20:40

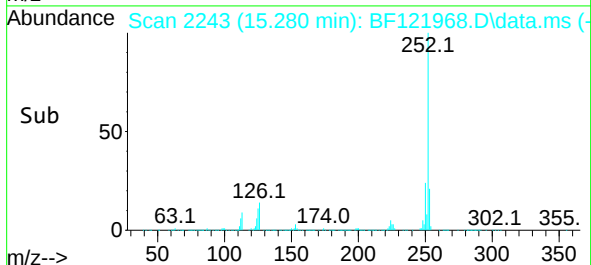
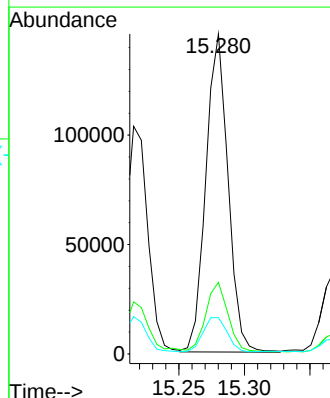
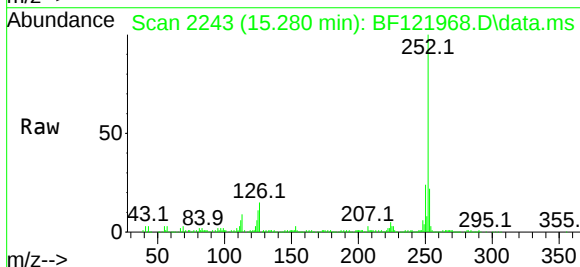
Tgt Ion:252 Resp: 171165

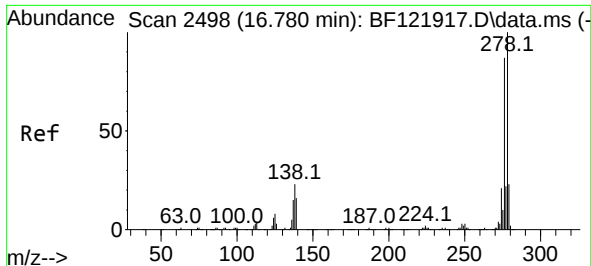
Ion Ratio Lower Upper

252 100

253 22.4 17.3 25.9

125 11.4 8.6 13.0

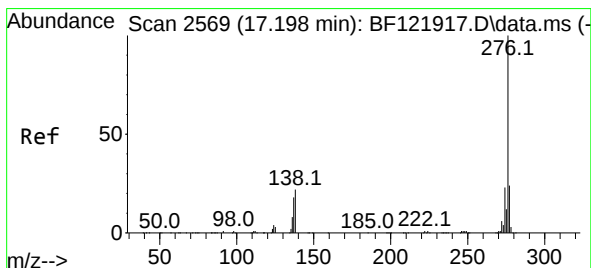
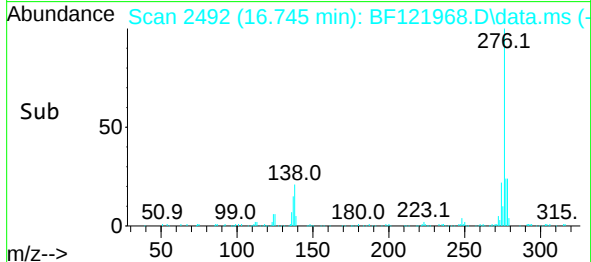
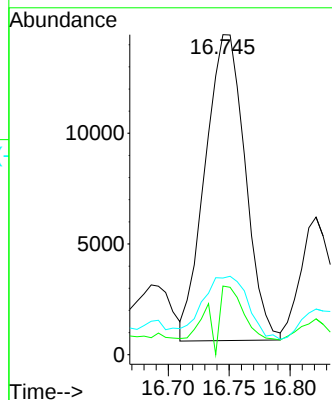
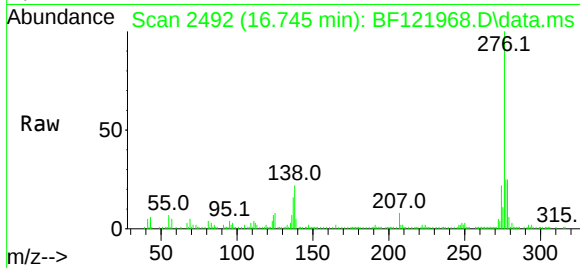




#91
Dibenzo(a,h)anthracene
Concen: 2.50 ng
RT: 16.745 min Scan# 2492
Delta R.T. -0.035 min
Lab File: BF121968.D
Acq: 14 Oct 2020 20:40

Instrument :
BNA_F
ClientSampleId :
TR-08-101320

Tgt Ion:278 Resp: 31544
Ion Ratio Lower Upper
278 100
139 21.4 13.0 19.4#
279 24.0 19.0 28.4



#92
Benzo(g,h,i)perylene
Concen: 8.73 ng
RT: 17.174 min Scan# 2565
Delta R.T. -0.023 min
Lab File: BF121968.D
Acq: 14 Oct 2020 20:40

Tgt Ion:276 Resp: 110152
Ion Ratio Lower Upper
276 100
277 23.5 19.4 29.2
138 21.3 17.8 26.6

