

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112822\
 Data File : BF131436.D
 Acq On : 28 Nov 2022 18:48
 Operator : CG\JU
 Sample : N5752-10
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-11D

Quant Time: Nov 29 00:57:53 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 29 00:18:36 2022
 Response via : Initial Calibration

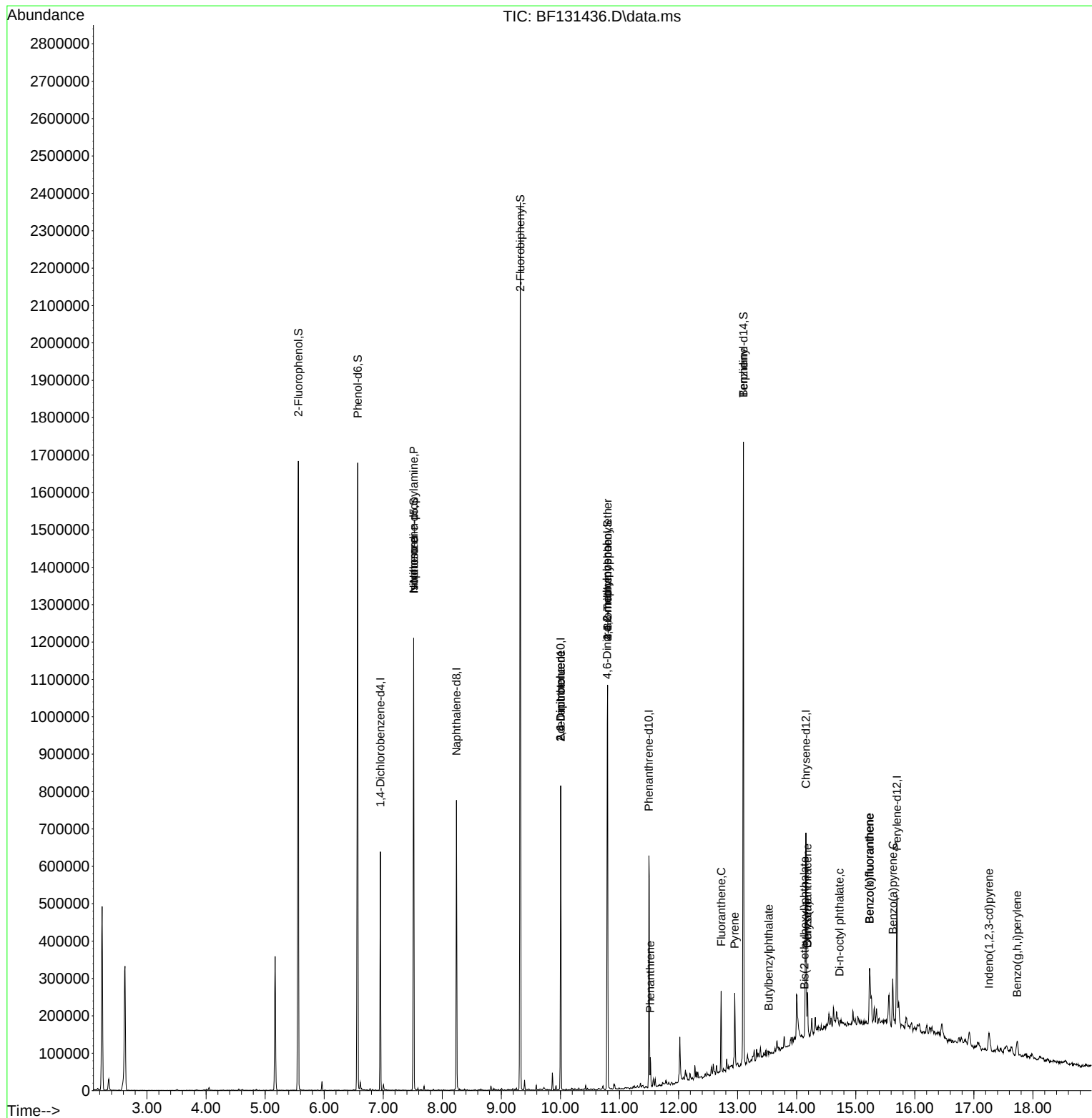
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.951	152	79597	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	280314	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	146393	20.000	ng	0.00
64) Phenanthrene-d10	11.498	188	228128	20.000	ng	0.00
76) Chrysene-d12	14.157	240	172796	20.000	ng	#-0.01
86) Perylene-d12	15.698	264	173867	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	393778	94.155	ng	0.00
7) Phenol-d6	6.569	99	489882	91.806	ng	0.00
23) Nitrobenzene-d5	7.516	82	332756	59.839	ng	-0.01
42) 2,4,6-Tribromophenol	10.798	330	116927	94.938	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	633540	62.960	ng	0.00
79) Terphenyl-d14	13.098	244	550954	52.140	ng	0.00
Target Compounds						
9) Benzaldehyde	6.498	77	136	Below Cal		Qvalue # 4
19) n-Nitroso-di-n-propyla...	7.516	70	48195	12.338	ng	# 74
25) Isophorone	7.516	82	332750	33.540	ng	# 68
51) 2,6-Dinitrotoluene	10.004	165	18707	9.171	ng	# 15
57) 2,4-Dinitrotoluene	10.004	165	18707	7.289	ng	# 19
65) 4,6-Dinitro-2-methylph...	10.792	198	270	4.883	ng	# 12
67) 4-Bromophenyl-phenylether	10.798	248	8206	2.935	ng	# 1
71) Phenanthrene	11.522	178	26425	2.143	ng	98
75) Fluoranthene	12.721	202	75766	5.832	ng	97
77) Benzidine	13.098	184	7880	2.469	ng	# 94
78) Pyrene	12.951	202	74164	4.865	ng	98
80) Butylbenzylphthalate	13.527	149	243	4.187	ng	87
81) Benzo(a)anthracene	14.180	228	49326	4.165	ng	96
83) Chrysene	14.180	228	49326	4.245	ng	99
84) Bis(2-ethylhexyl)phtha...	14.133	149	655	3.838	ng	# 77
85) Di-n-octyl phthalate	14.727	149	903	4.008	ng	# 1
87) Indeno(1,2,3-cd)pyrene	17.256	276	39249	3.361	ng	96
88) Benzo(b)fluoranthene	15.233	252	112550	9.744	ng	# 98
89) Benzo(k)fluoranthene	15.233	252	112550	9.482	ng	99
90) Benzo(a)pyrene	15.627	252	60324	6.365	ng	# 96
92) Benzo(g,h,i)perylene	17.733	276	35578	3.697	ng	96

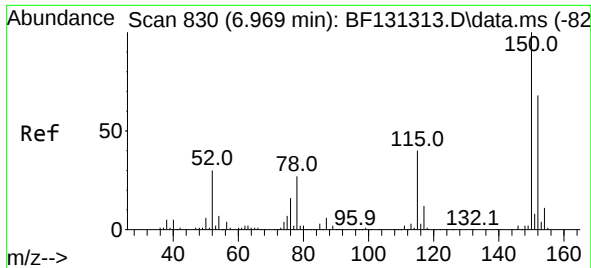
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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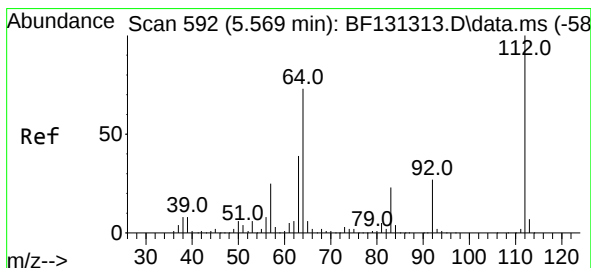
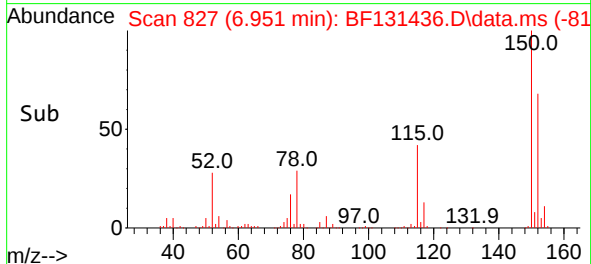
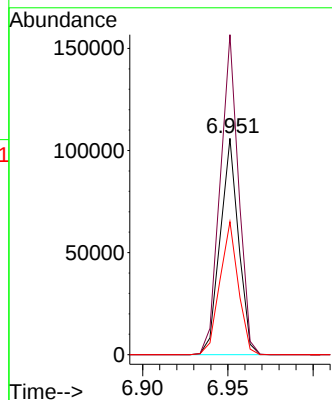
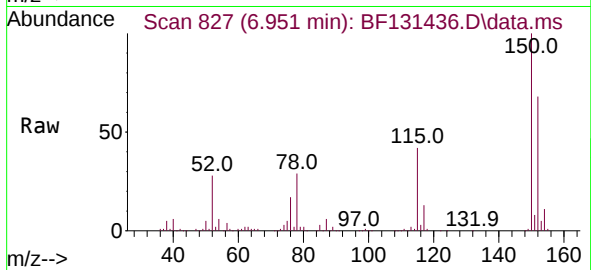




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.951 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: BF131436.D
 Acq: 28 Nov 2022 18:48

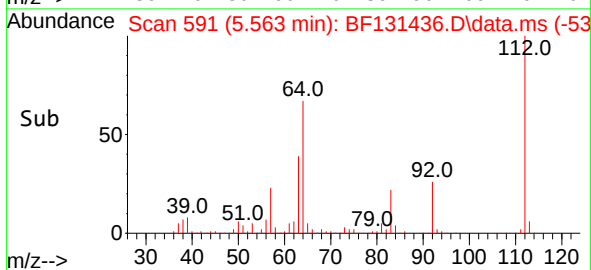
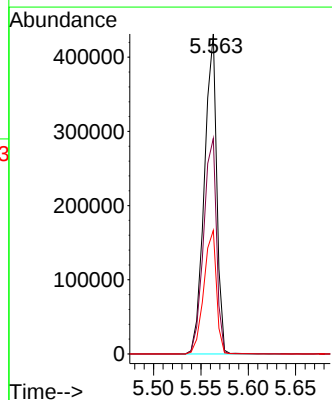
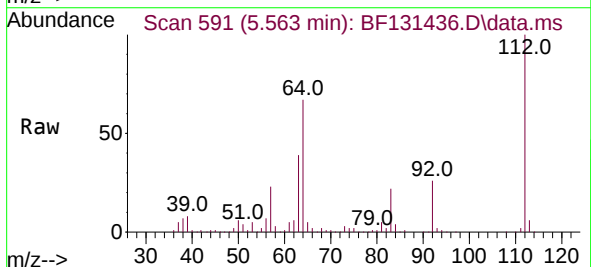
Instrument :
 BNA_F
 ClientSampleId :
 B-11D

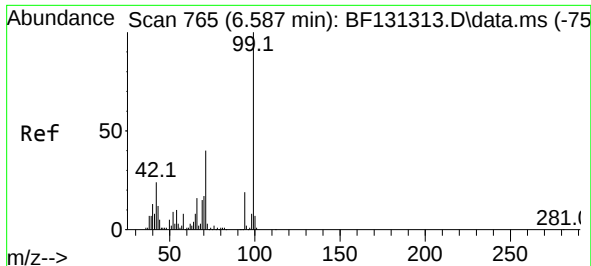
Tgt Ion:152 Resp: 79597
 Ion Ratio Lower Upper
 152 100
 150 147.9 117.8 176.8
 115 61.5 47.1 70.7



#5
 2-Fluorophenol
 Concen: 94.155 ng
 RT: 5.563 min Scan# 591
 Delta R.T. 0.006 min
 Lab File: BF131436.D
 Acq: 28 Nov 2022 18:48

Tgt Ion:112 Resp: 393778
 Ion Ratio Lower Upper
 112 100
 64 67.4 58.6 88.0
 63 38.6 31.4 47.0

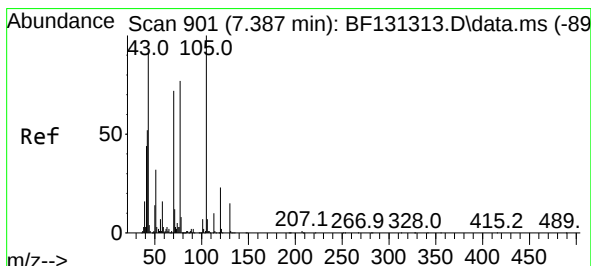
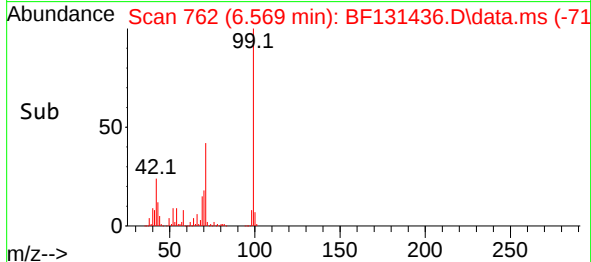
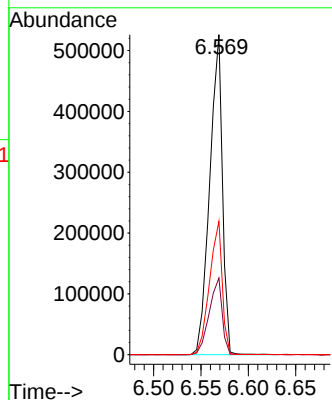
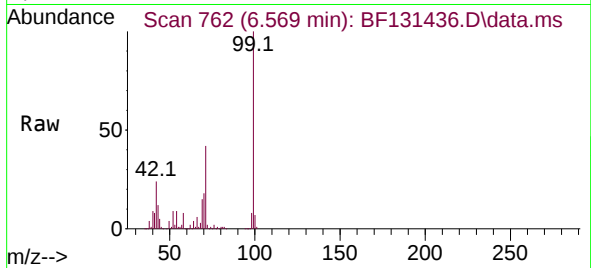




#7
Phenol-d6
Concen: 91.806 ng
RT: 6.569 min Scan# 70
Delta R.T. -0.006 min
Lab File: BF131436.D
Acq: 28 Nov 2022 18:48

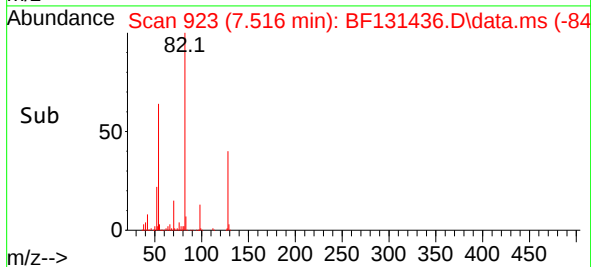
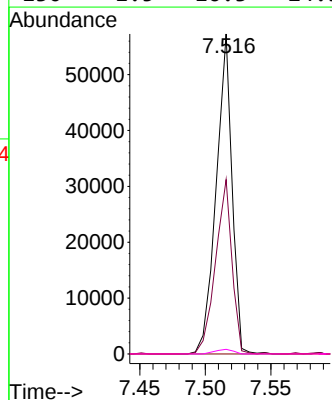
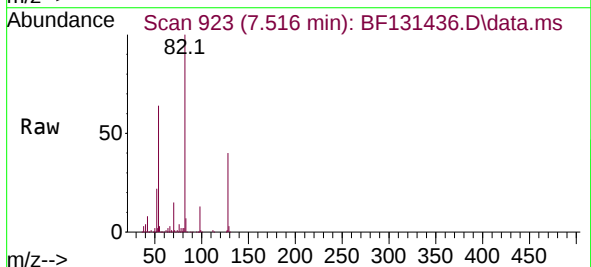
Instrument :
BNA_F
ClientSampleId :
B-11D

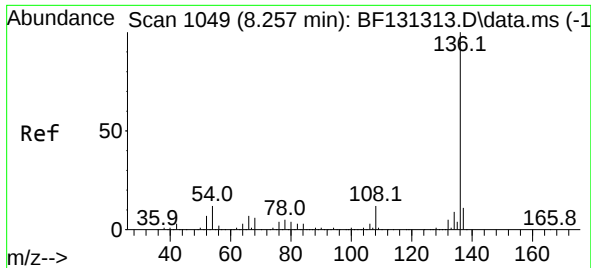
Tgt Ion: 99 Resp: 489882
Ion Ratio Lower Upper
99 100
42 23.9 19.4 29.2
71 41.6 32.3 48.5



#19
n-Nitroso-di-n-propylamine
Concen: 12.338 ng
RT: 7.516 min Scan# 923
Delta R.T. 0.147 min
Lab File: BF131436.D
Acq: 28 Nov 2022 18:48

Tgt Ion: 70 Resp: 48195
Ion Ratio Lower Upper
70 100
42 54.5 57.6 86.4#
101 0.0 8.2 12.2#
130 1.5 16.3 24.5#



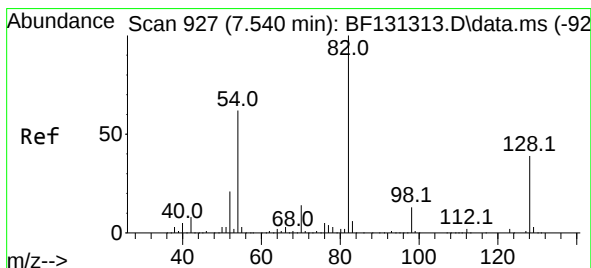
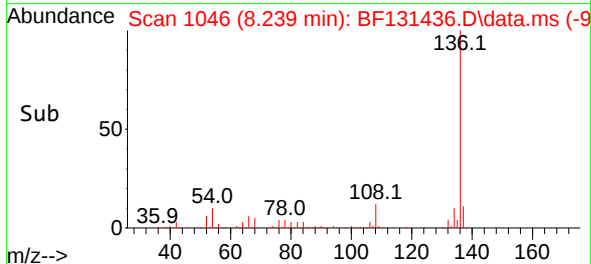
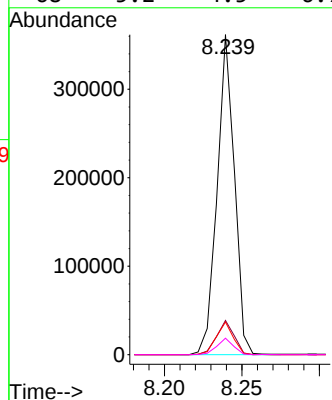
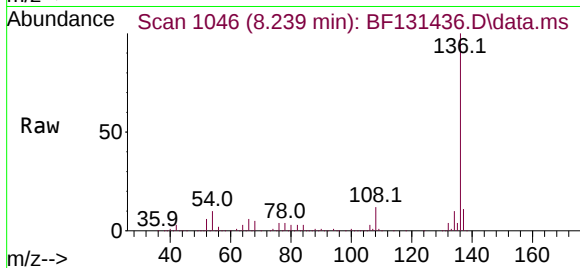


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1046
Delta R.T. -0.006 min
Lab File: BF131436.D
Acq: 28 Nov 2022 18:48

Instrument :
BNA_F
ClientSampleId :
B-11D

Tgt Ion:136 Resp: 280314

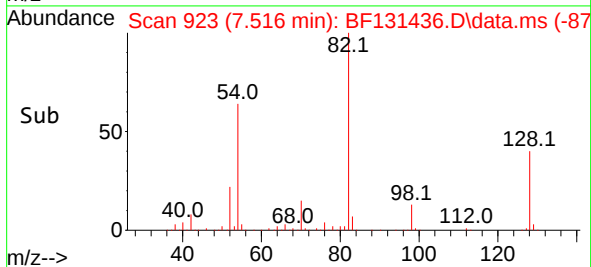
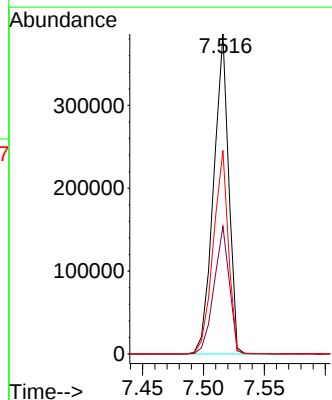
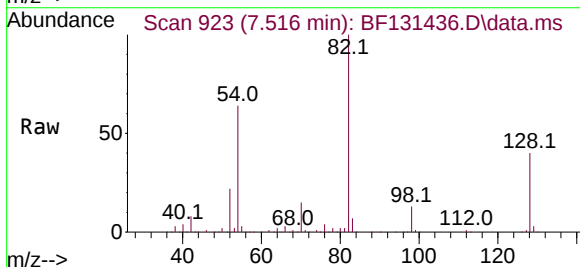
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.0	13.6
54	10.2	9.4	14.0
68	5.2	4.5	6.7

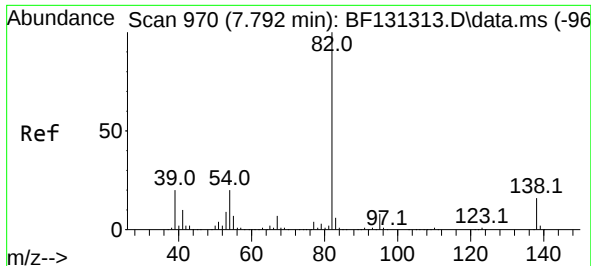


#23
Nitrobenzene-d5
Concen: 59.839 ng
RT: 7.516 min Scan# 923
Delta R.T. -0.012 min
Lab File: BF131436.D
Acq: 28 Nov 2022 18:48

Tgt Ion: 82 Resp: 332756

Ion	Ratio	Lower	Upper
82	100		
128	39.9	31.4	47.0
54	63.6	49.8	74.6

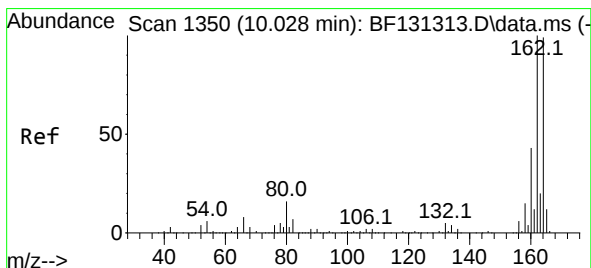
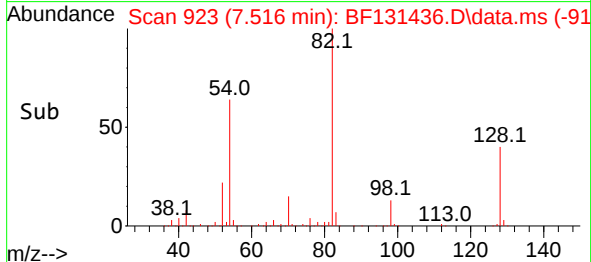
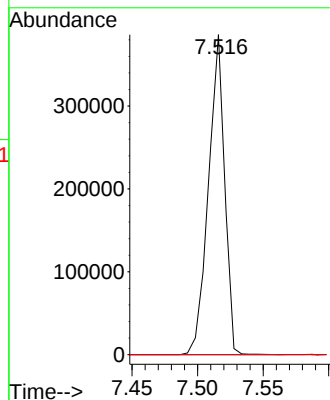
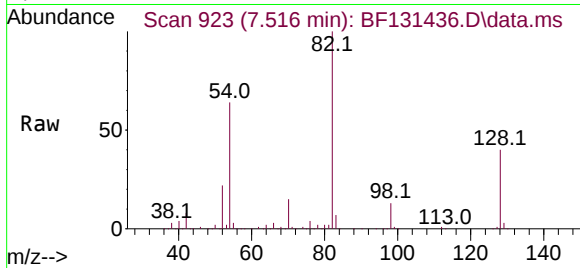




#25
Isophorone
Concen: 33.540 ng
RT: 7.516 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF131436.D
Acq: 28 Nov 2022 18:48

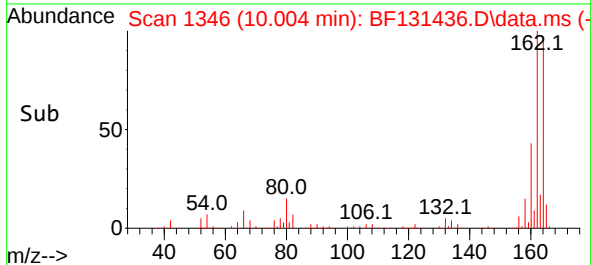
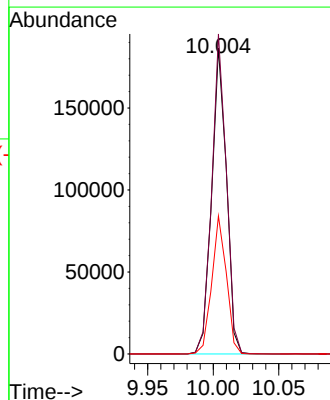
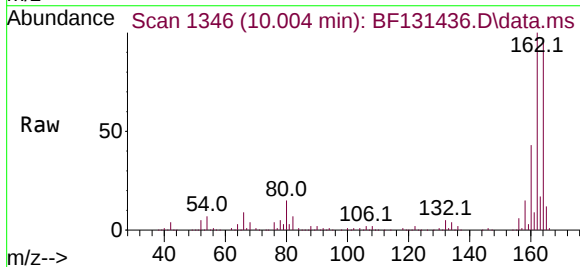
Instrument :
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ClientSampleId :
B-11D

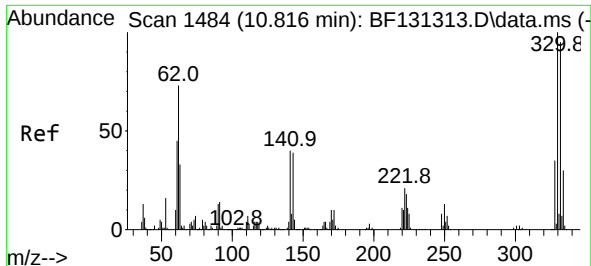
Tgt Ion: 82 Resp: 332750
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 12.7 19.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1346
Delta R.T. -0.006 min
Lab File: BF131436.D
Acq: 28 Nov 2022 18:48

Tgt Ion: 164 Resp: 146393
Ion Ratio Lower Upper
164 100
162 104.6 80.6 120.8
160 45.1 34.4 51.6





#42

2,4,6-Tribromophenol

Concen: 94.938 ng

RT: 10.798 min Scan# 1481

Delta R.T. -0.006 min

Lab File: BF131436.D

Acq: 28 Nov 2022 18:48

Instrument :

BNA_F

ClientSampleId :

B-11D

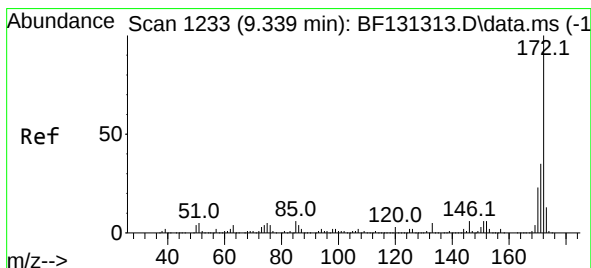
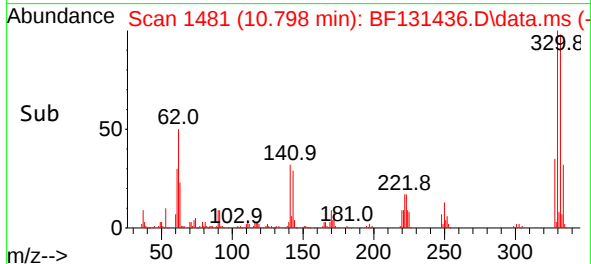
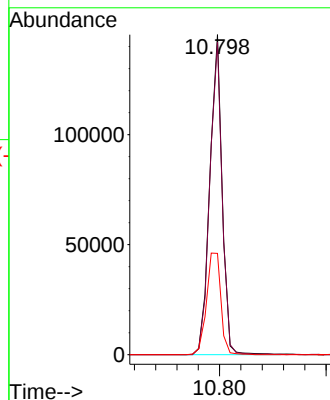
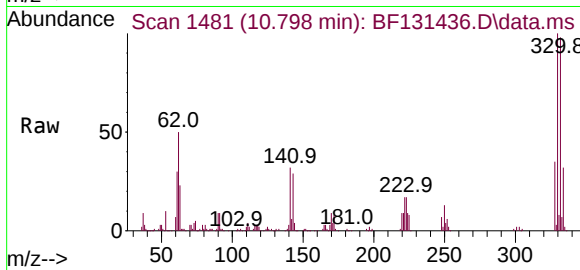
Tgt Ion:330 Resp: 116927

Ion Ratio Lower Upper

330 100

332 97.8 77.5 116.3

141 37.1 29.3 43.9



#45

2-Fluorobiphenyl

Concen: 62.960 ng

RT: 9.322 min Scan# 1230

Delta R.T. -0.006 min

Lab File: BF131436.D

Acq: 28 Nov 2022 18:48

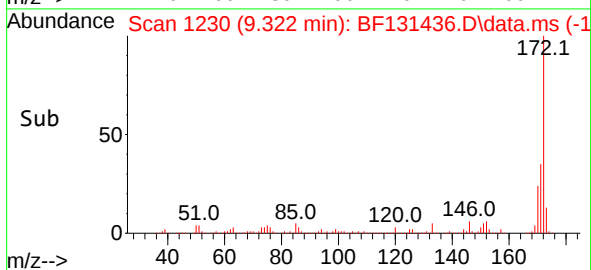
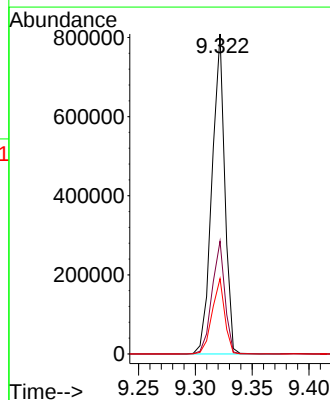
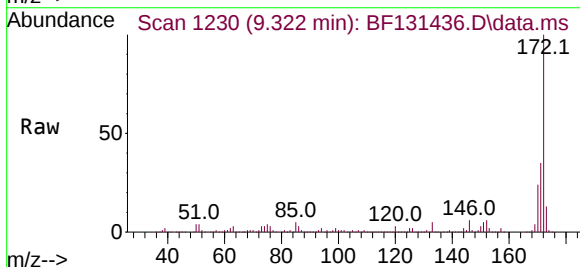
Tgt Ion:172 Resp: 633540

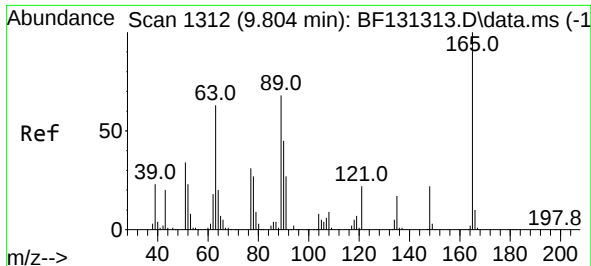
Ion Ratio Lower Upper

172 100

171 35.2 28.2 42.2

170 23.5 18.7 28.1





#51

2,6-Dinitrotoluene

Concen: 9.171 ng

RT: 10.004 min Scan# 1346

Delta R.T. 0.212 min

Lab File: BF131436.D

Acq: 28 Nov 2022 18:48

Instrument :

BNA_F

ClientSampleId :

B-11D

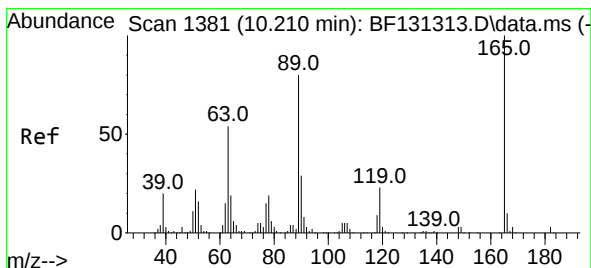
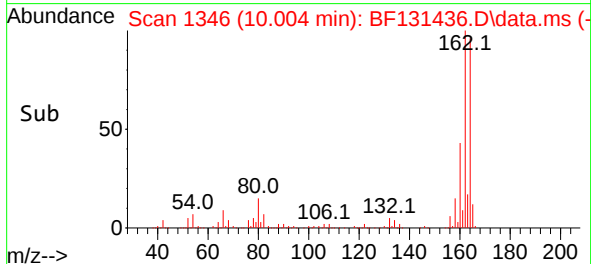
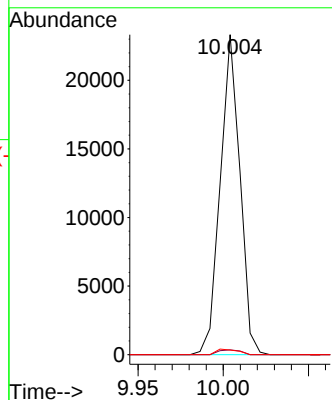
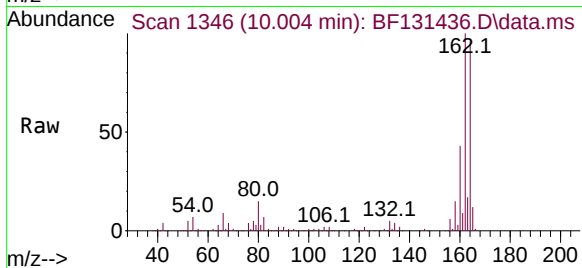
Tgt Ion:165 Resp: 18707

Ion Ratio Lower Upper

165 100

63 1.5 62.0 93.0#

89 1.5 54.4 81.6#



#57

2,4-Dinitrotoluene

Concen: 7.289 ng

RT: 10.004 min Scan# 1346

Delta R.T. -0.194 min

Lab File: BF131436.D

Acq: 28 Nov 2022 18:48

Tgt Ion:165 Resp: 18707

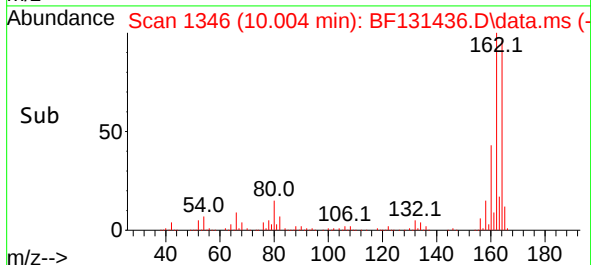
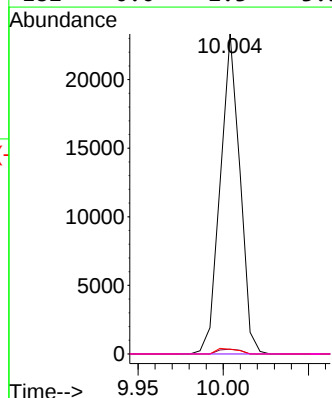
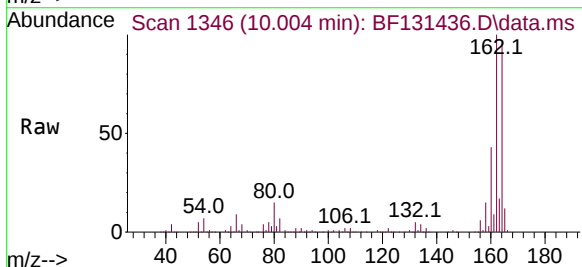
Ion Ratio Lower Upper

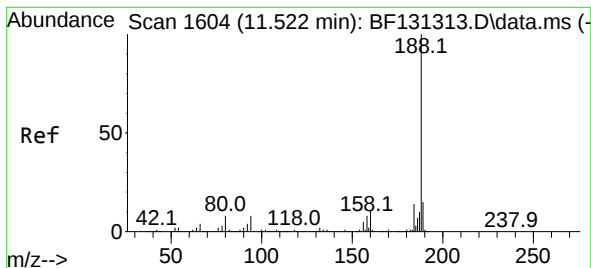
165 100

63 1.5 43.4 65.2#

89 1.5 64.0 96.0#

182 0.0 2.3 3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.498 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF131436.D

Acq: 28 Nov 2022 18:48

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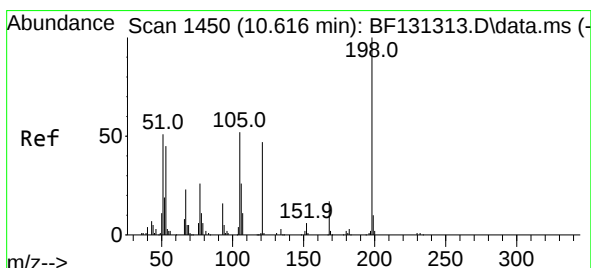
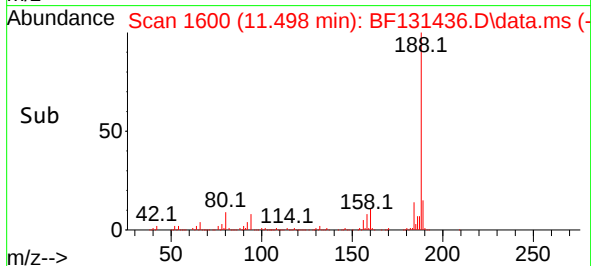
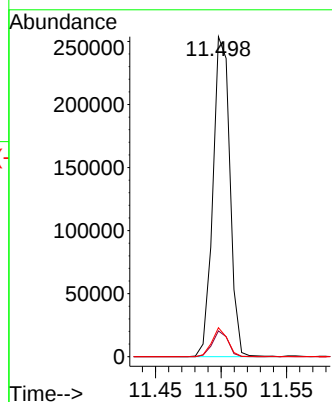
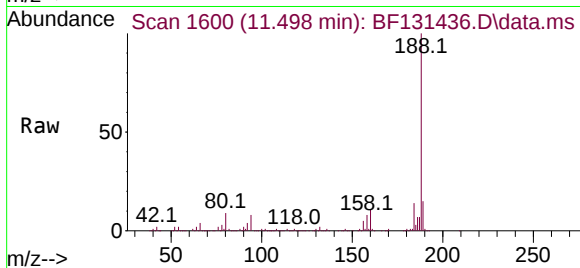
Tgt Ion:188 Resp: 228128

Ion Ratio Lower Upper

188 100

94 8.1 6.3 9.5

80 9.1 6.8 10.2



#65

4,6-Dinitro-2-methylphenol

Concen: 4.883 ng

RT: 10.792 min Scan# 1480

Delta R.T. 0.188 min

Lab File: BF131436.D

Acq: 28 Nov 2022 18:48

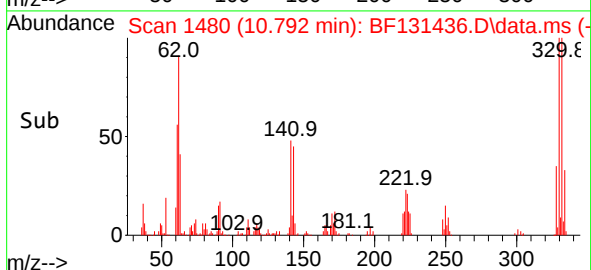
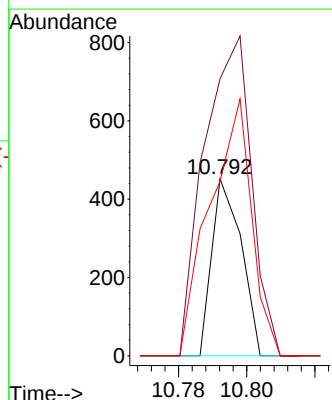
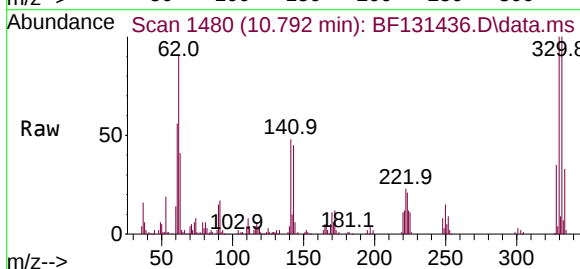
Tgt Ion:198 Resp: 270

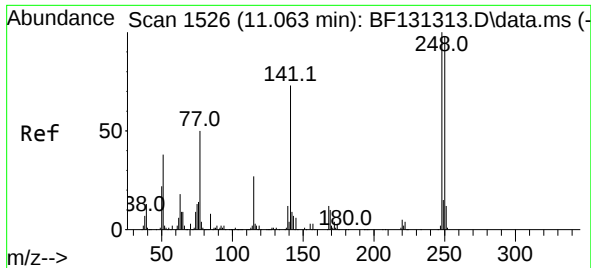
Ion Ratio Lower Upper

198 100

51 156.6 50.1 90.1#

105 98.7 32.5 72.5#

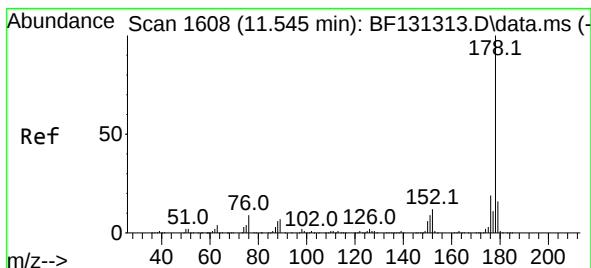
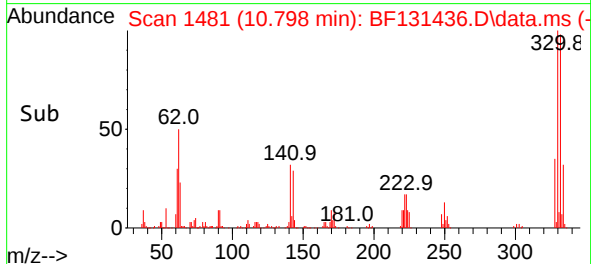
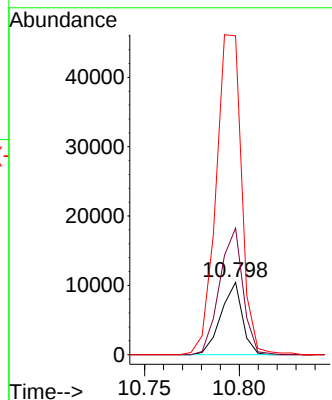
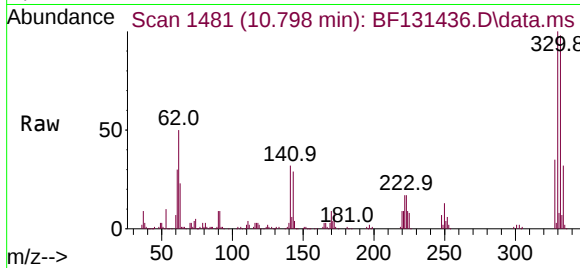




#67
4-Bromophenyl-phenylether
Concen: 2.935 ng
RT: 10.798 min Scan# 141
Delta R.T. -0.247 min
Lab File: BF131436.D
Acq: 28 Nov 2022 18:48

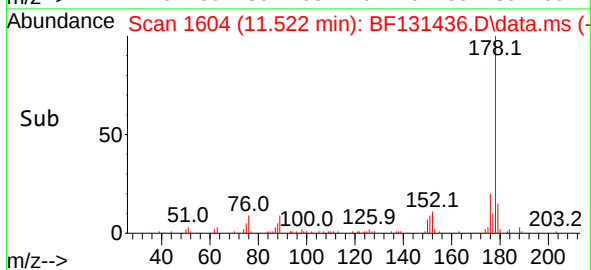
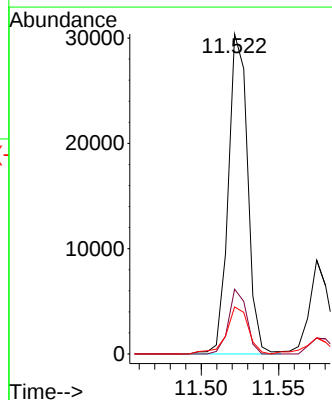
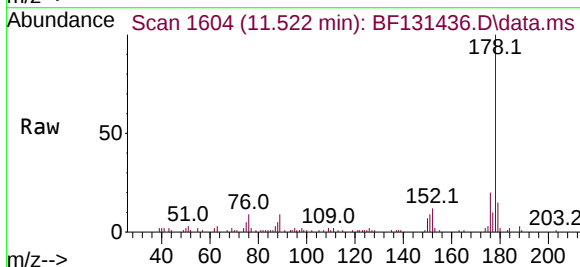
Instrument :
BNA_F
ClientSampleId :
B-11D

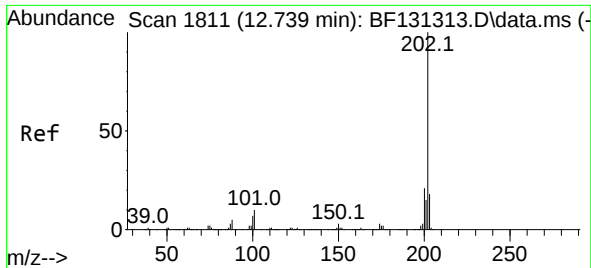
Tgt Ion:248 Resp: 8206
Ion Ratio Lower Upper
248 100
250 174.9 78.3 117.5#
141 440.9 58.0 87.0#



#71
Phenanthrene
Concen: 2.143 ng
RT: 11.522 min Scan# 1604
Delta R.T. -0.012 min
Lab File: BF131436.D
Acq: 28 Nov 2022 18:48

Tgt Ion:178 Resp: 26425
Ion Ratio Lower Upper
178 100
176 20.2 15.6 23.4
179 14.7 12.4 18.6

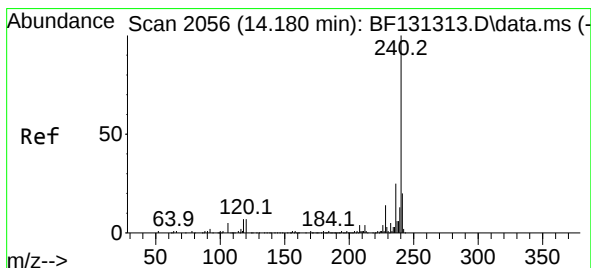
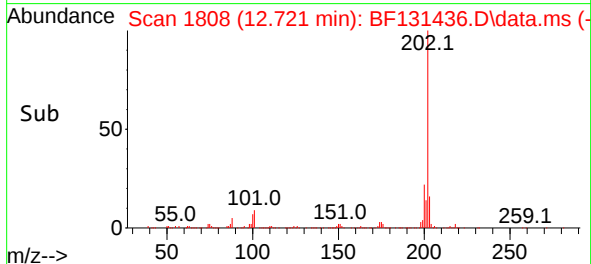
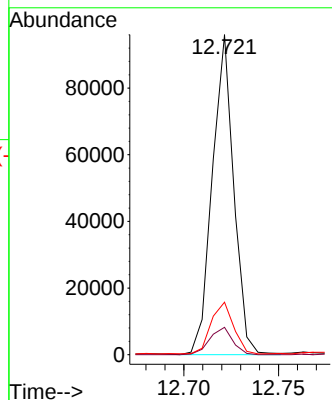
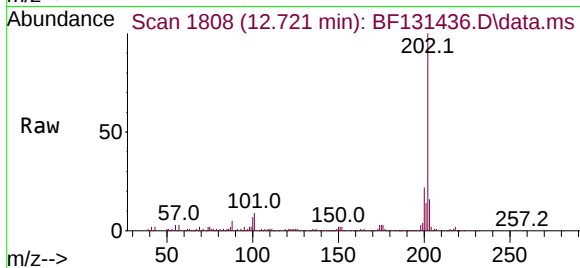




#75
Fluoranthene
Concen: 5.832 ng
RT: 12.721 min Scan# 1808
Delta R.T. -0.006 min
Lab File: BF131436.D
Acq: 28 Nov 2022 18:48

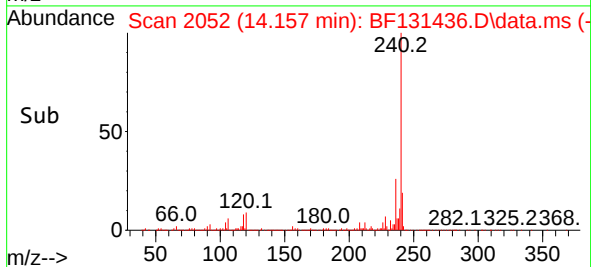
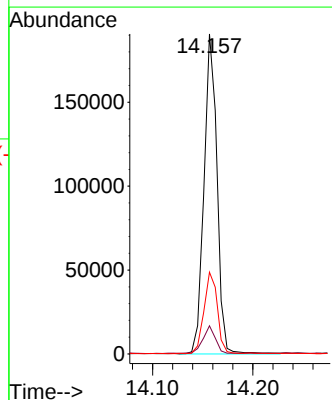
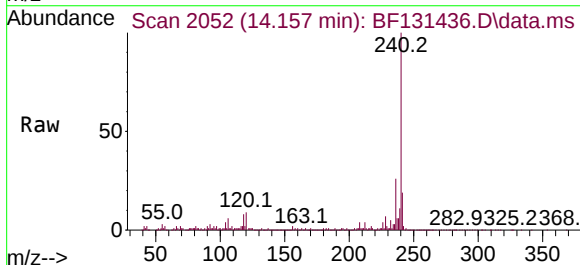
Instrument :
BNA_F
ClientSampleId :
B-11D

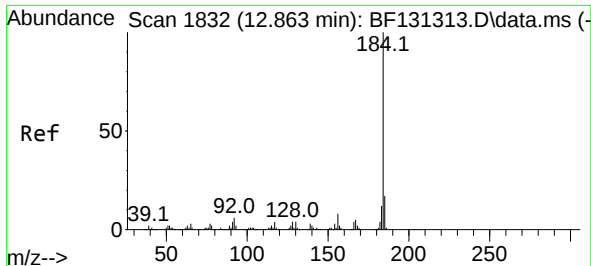
Tgt Ion:202 Resp: 75766
Ion Ratio Lower Upper
202 100
101 8.6 0.0 29.6
203 16.4 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.157 min Scan# 2052
Delta R.T. -0.012 min
Lab File: BF131436.D
Acq: 28 Nov 2022 18:48

Tgt Ion:240 Resp: 172796
Ion Ratio Lower Upper
240 100
120 8.8 5.8 8.8#
236 25.6 20.3 30.5

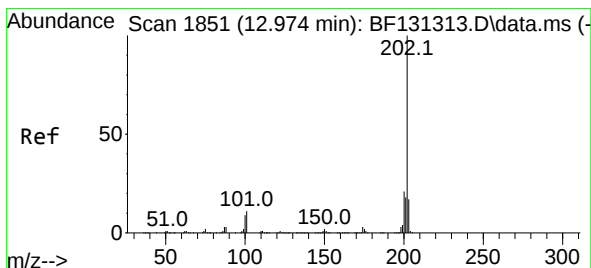
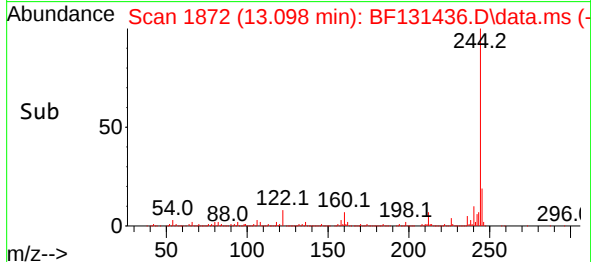
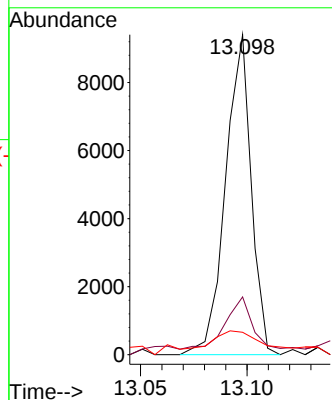
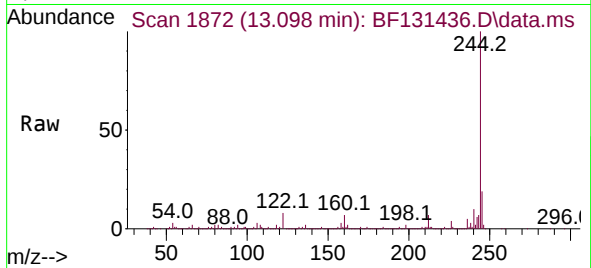




#77
Benzidine
Concen: 2.469 ng
RT: 13.098 min Scan# 1872
Delta R.T. 0.247 min
Lab File: BF131436.D
Acq: 28 Nov 2022 18:48

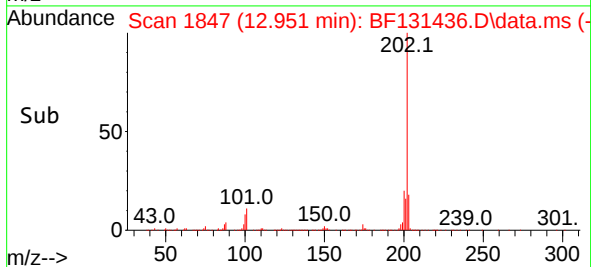
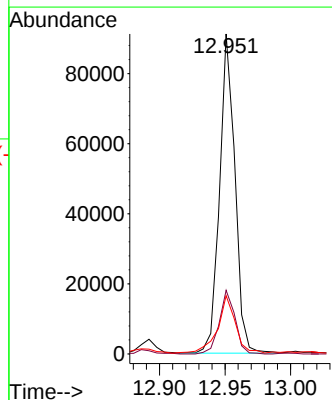
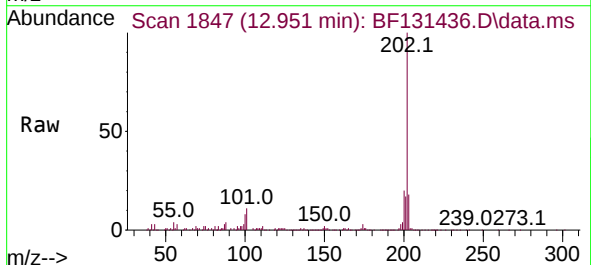
Instrument :
BNA_F
ClientSampleId :
B-11D

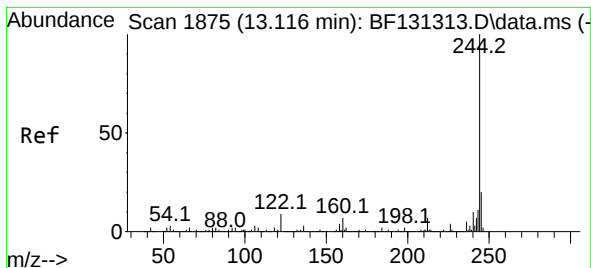
Tgt Ion:184 Resp: 7880
Ion Ratio Lower Upper
184 100
185 18.0 13.8 20.8
183 7.0 9.6 14.4#



#78
Pyrene
Concen: 4.865 ng
RT: 12.951 min Scan# 1847
Delta R.T. -0.012 min
Lab File: BF131436.D
Acq: 28 Nov 2022 18:48

Tgt Ion:202 Resp: 74164
Ion Ratio Lower Upper
202 100
200 19.9 16.9 25.3
203 18.2 13.9 20.9





#79

Terphenyl-d14

Concen: 52.140 ng

RT: 13.098 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF131436.D

Acq: 28 Nov 2022 18:48

Instrument :

BNA_F

ClientSampleId :

B-11D

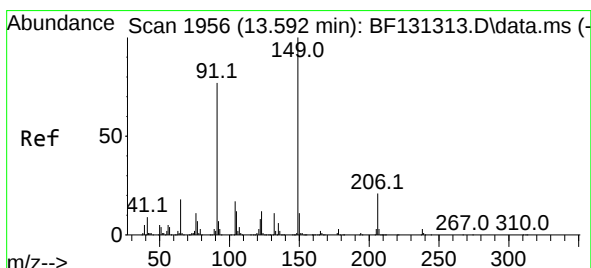
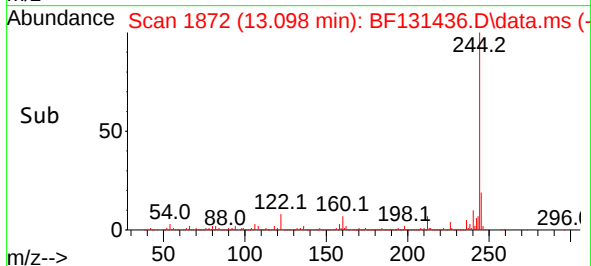
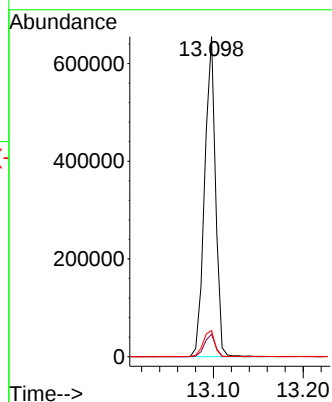
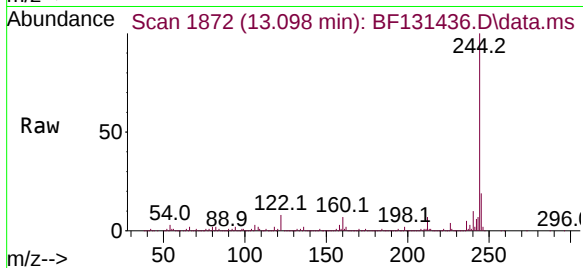
Tgt Ion:244 Resp: 550954

Ion Ratio Lower Upper

244 100

212 7.1 5.9 8.9

122 8.1 7.5 11.3



#80

Butylbenzylphthalate

Concen: 4.187 ng

RT: 13.527 min Scan# 1945

Delta R.T. -0.053 min

Lab File: BF131436.D

Acq: 28 Nov 2022 18:48

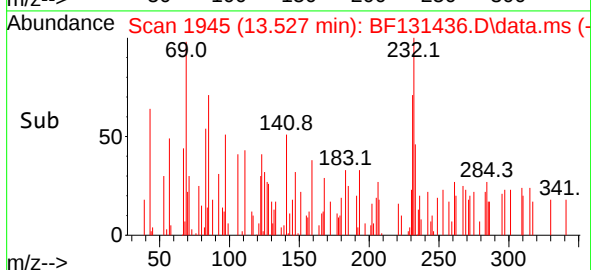
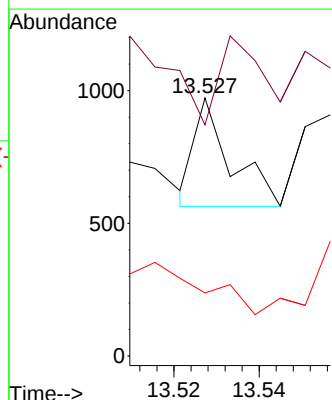
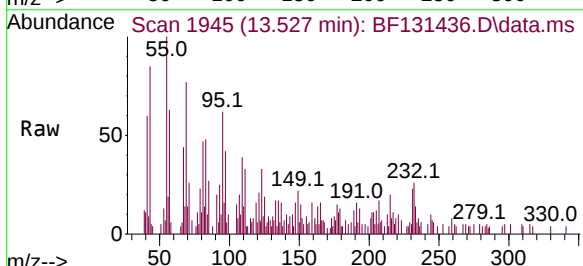
Tgt Ion:149 Resp: 243

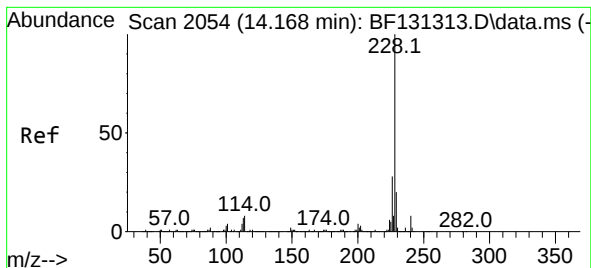
Ion Ratio Lower Upper

149 100

91 89.6 61.9 92.9

206 24.5 16.5 24.7





#81

Benzo(a)anthracene

Concen: 4.165 ng

RT: 14.180 min Scan# 2056

Delta R.T. 0.023 min

Lab File: BF131436.D

Acq: 28 Nov 2022 18:48

Instrument :

BNA_F

ClientSampleId :

B-11D

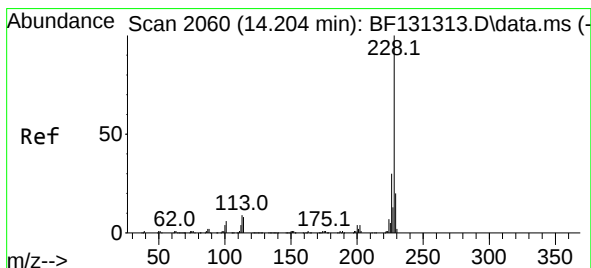
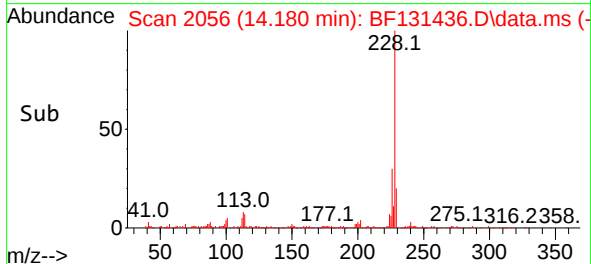
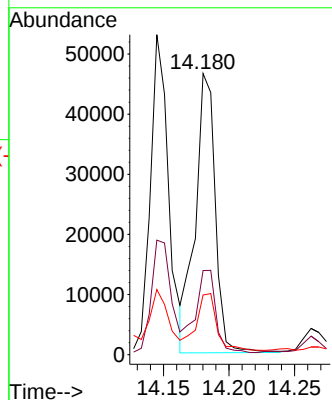
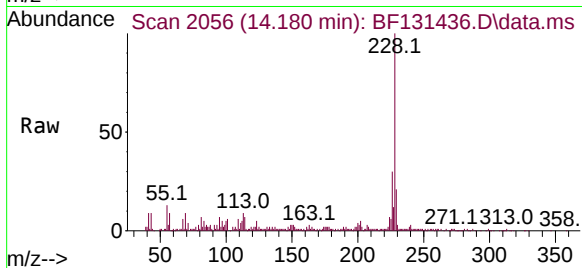
Tgt Ion:228 Resp: 49326

Ion Ratio Lower Upper

228 100

226 30.0 22.0 33.0

229 21.3 15.7 23.5



#83

Chrysene

Concen: 4.245 ng

RT: 14.180 min Scan# 2056

Delta R.T. -0.012 min

Lab File: BF131436.D

Acq: 28 Nov 2022 18:48

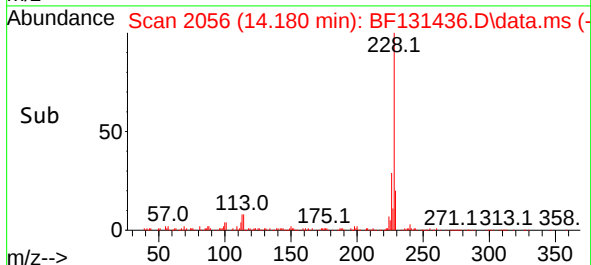
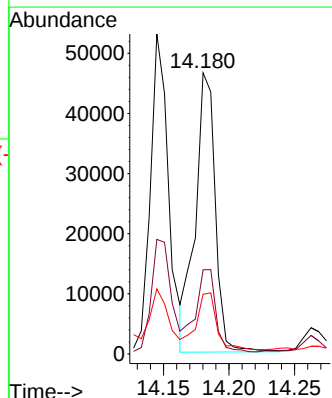
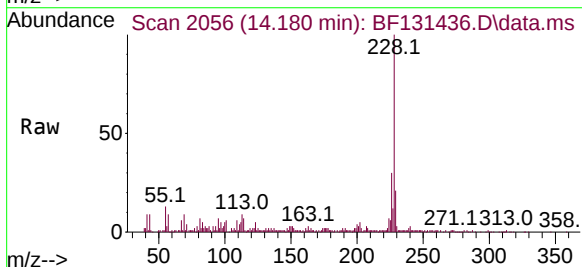
Tgt Ion:228 Resp: 49326

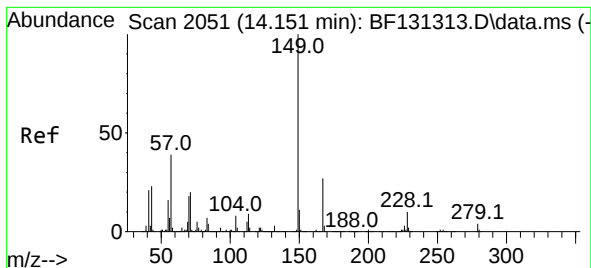
Ion Ratio Lower Upper

228 100

226 30.0 23.7 35.5

229 21.3 16.2 24.4

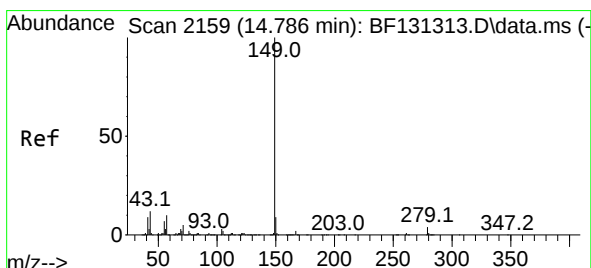
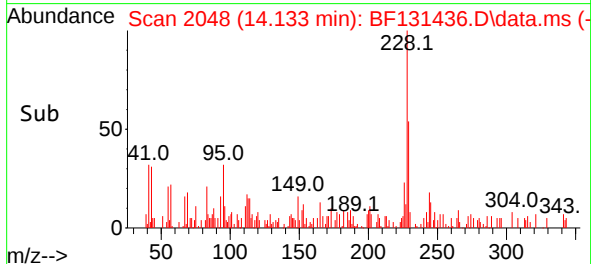
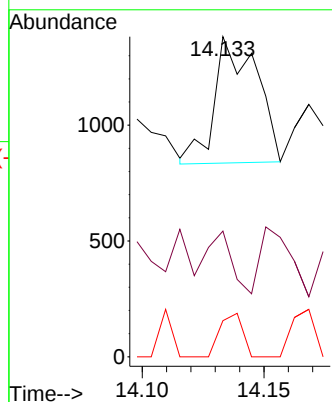
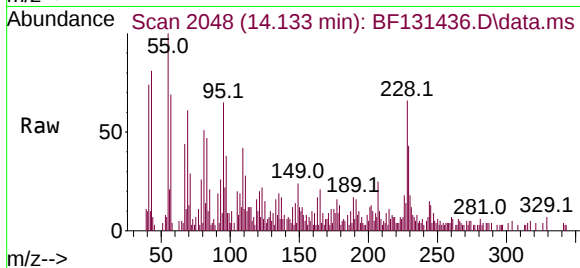




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 3.838 ng
 RT: 14.133 min Scan# 2051
 Delta R.T. -0.006 min
 Lab File: BF131436.D
 Acq: 28 Nov 2022 18:48

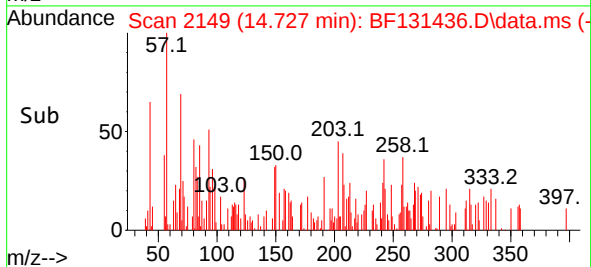
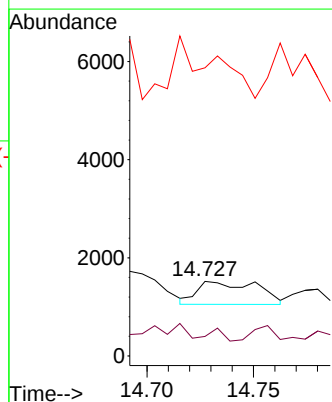
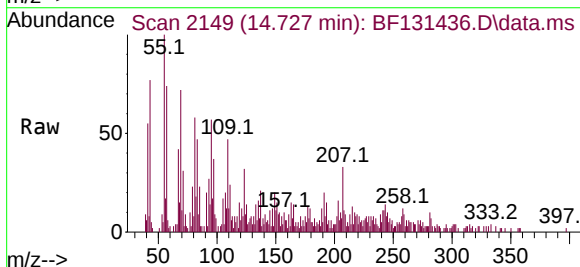
Instrument :
 BNA_F
 ClientSampleId :
 B-11D

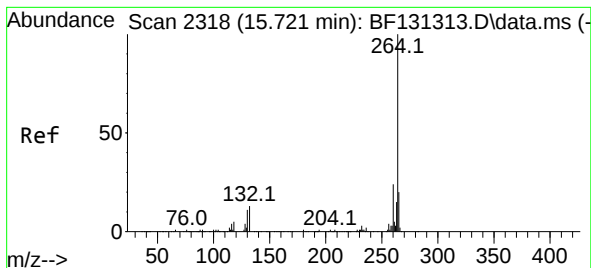
Tgt Ion:149 Resp: 655
 Ion Ratio Lower Upper
 149 100
 167 39.3 21.9 32.9#
 279 11.3 3.0 4.4#



#85
 Di-n-octyl phthalate
 Concen: 4.008 ng
 RT: 14.727 min Scan# 2149
 Delta R.T. -0.035 min
 Lab File: BF131436.D
 Acq: 28 Nov 2022 18:48

Tgt Ion:149 Resp: 903
 Ion Ratio Lower Upper
 149 100
 167 49.2 1.2 1.8#
 43 75.4 10.7 16.1#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.698 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF131436.D

Acq: 28 Nov 2022 18:48

Instrument :

BNA_F

ClientSampleId :

B-11D

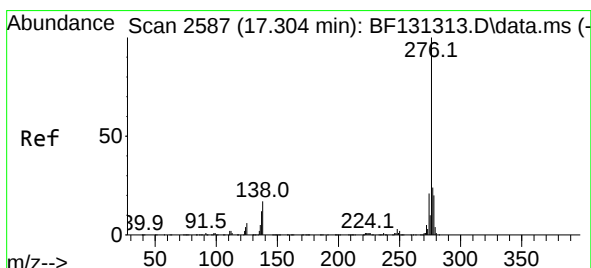
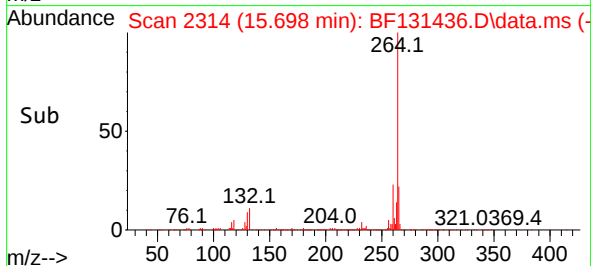
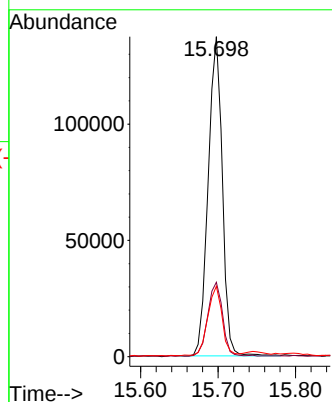
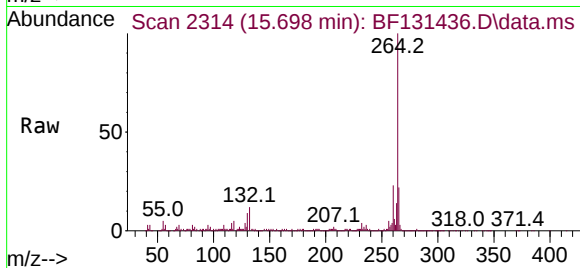
Tgt Ion:264 Resp: 173867

Ion Ratio Lower Upper

264 100

260 23.2 19.0 28.4

265 22.0 16.4 24.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.361 ng

RT: 17.256 min Scan# 2579

Delta R.T. -0.018 min

Lab File: BF131436.D

Acq: 28 Nov 2022 18:48

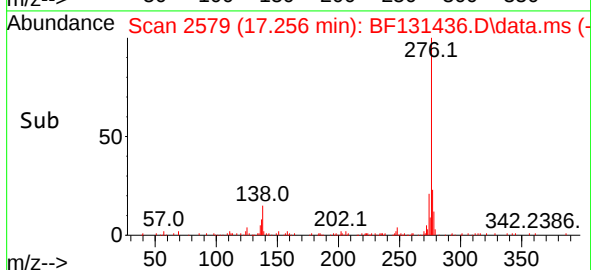
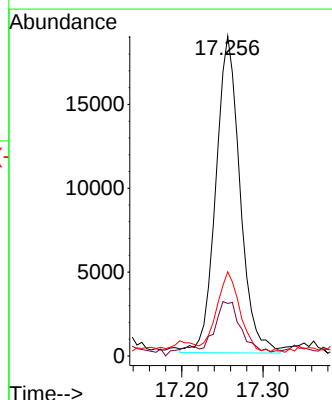
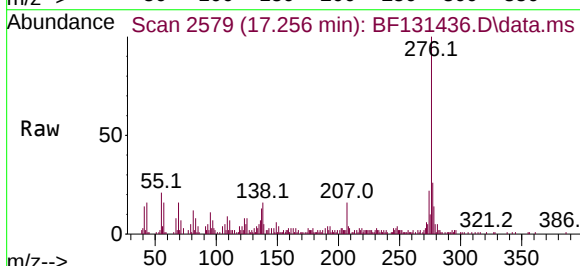
Tgt Ion:276 Resp: 39249

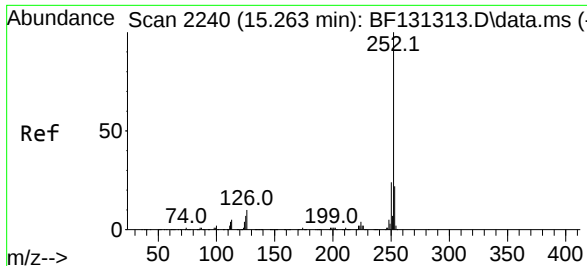
Ion Ratio Lower Upper

276 100

138 17.9 15.8 23.6

277 23.7 20.3 30.5

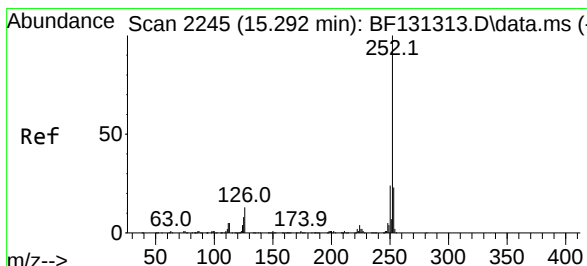
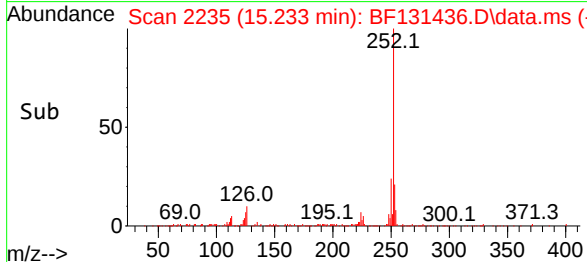
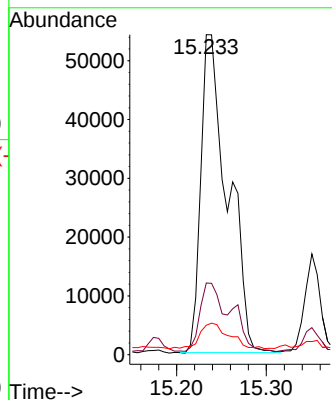
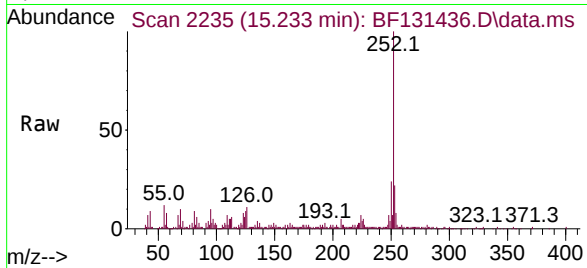




#88
Benzo(b)fluoranthene
Concen: 9.744 ng
RT: 15.233 min Scan# 2235
Delta R.T. -0.012 min
Lab File: BF131436.D
Acq: 28 Nov 2022 18:48

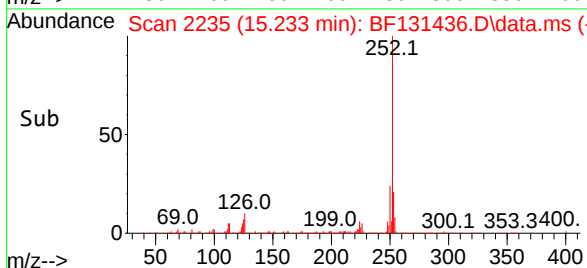
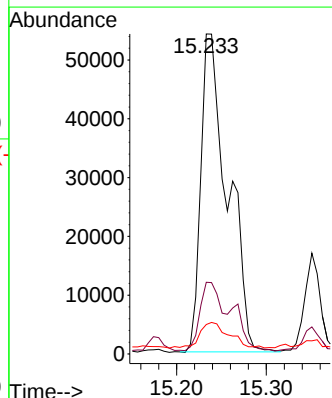
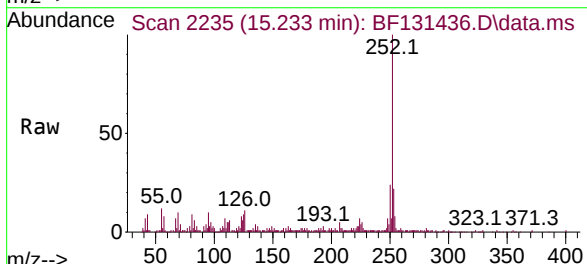
Instrument :
BNA_F
ClientSampleId :
B-11D

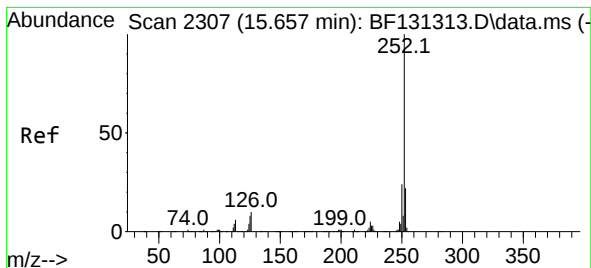
Tgt Ion:252 Resp: 112550
Ion Ratio Lower Upper
252 100
253 22.4 17.5 26.3
125 9.2 5.8 8.6#



#89
Benzo(k)fluoranthene
Concen: 9.482 ng
RT: 15.233 min Scan# 2235
Delta R.T. -0.047 min
Lab File: BF131436.D
Acq: 28 Nov 2022 18:48

Tgt Ion:252 Resp: 112550
Ion Ratio Lower Upper
252 100
253 22.4 17.9 26.9
125 9.2 6.6 10.0





#90

Benzo(a)pyrene

Concen: 6.365 ng

RT: 15.627 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF131436.D

Acq: 28 Nov 2022 18:48

Instrument :

BNA_F

ClientSampleId :

B-11D

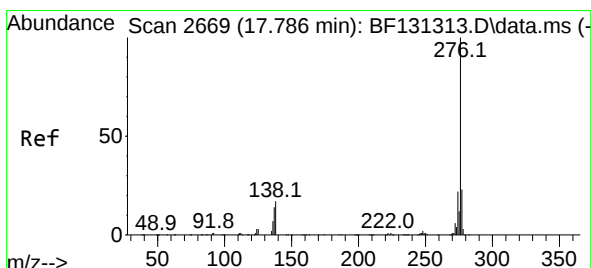
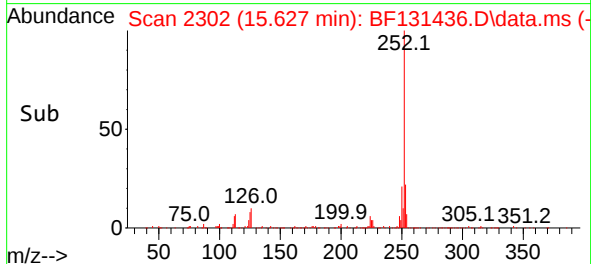
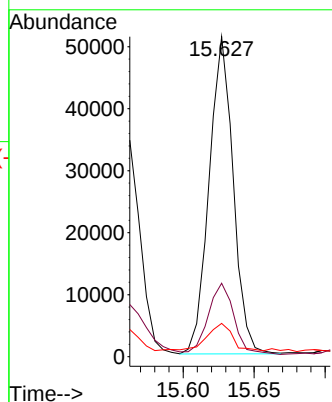
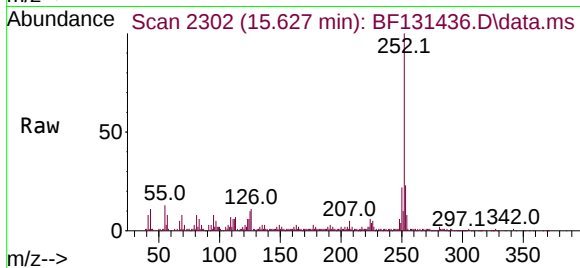
Tgt Ion:252 Resp: 60324

Ion Ratio Lower Upper

252 100

253 22.9 17.5 26.3

125 10.4 6.1 9.1#



#92

Benzo(g,h,i)perylene

Concen: 3.697 ng

RT: 17.733 min Scan# 2660

Delta R.T. -0.024 min

Lab File: BF131436.D

Acq: 28 Nov 2022 18:48

Tgt Ion:276 Resp: 35578

Ion Ratio Lower Upper

276 100

277 26.2 18.3 27.5

138 17.4 13.8 20.6

