

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100623\
 Data File : BF135639.D
 Acq On : 06 Oct 2023 20:33
 Operator : CG\JU
 Sample : 04637-01DL2 50X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 07 01:52:32 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 04 17:06:20 2023
 Response via : Initial Calibration

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

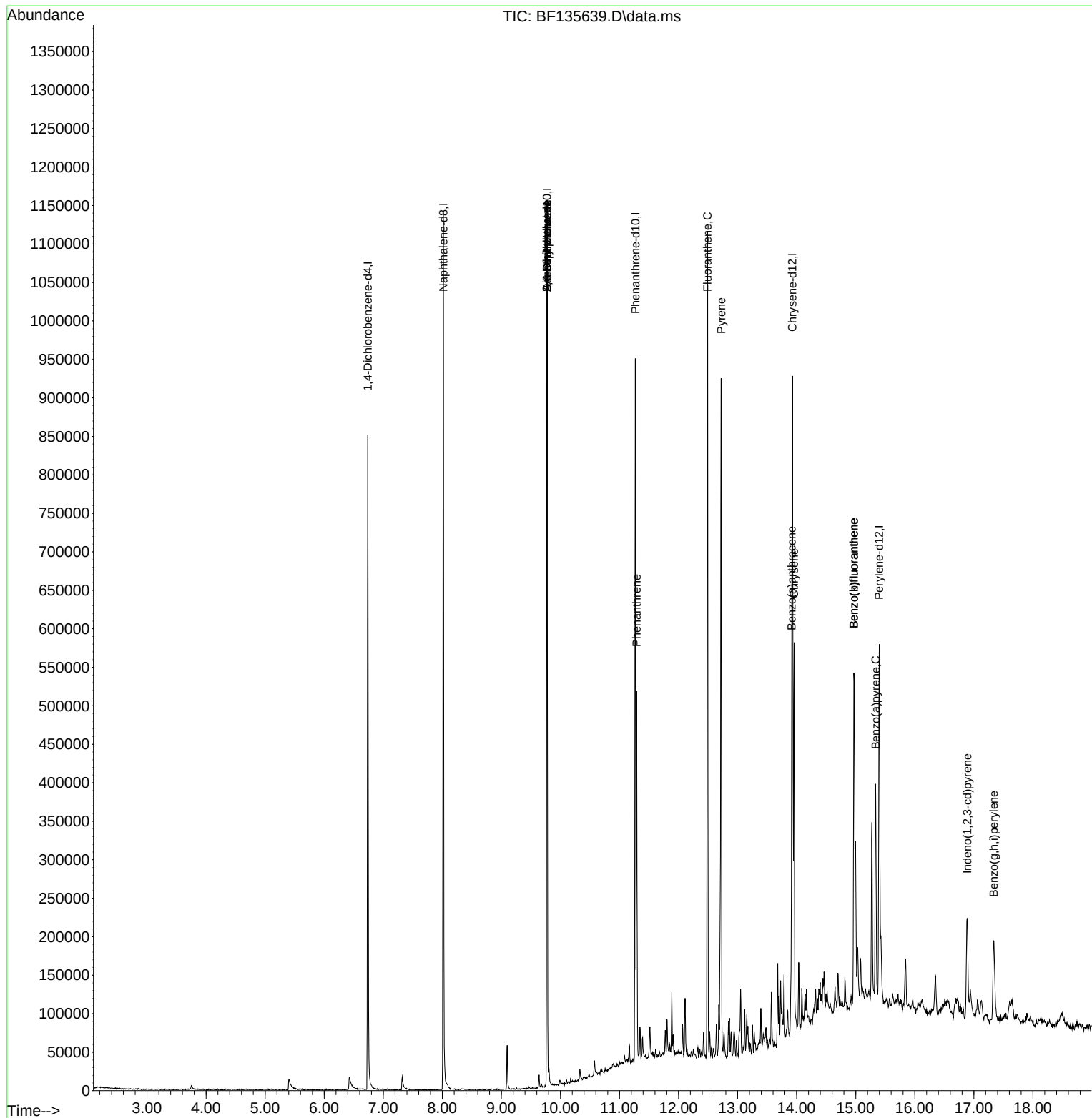
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.739	152	127333	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	476345	20.000	ng	# 0.00
39) Acenaphthene-d10	9.775	164	208226	20.000	ng	0.00
64) Phenanthrene-d10	11.269	188	320260	20.000	ng	0.00
76) Chrysene-d12	13.927	240	231044	20.000	ng	0.00
86) Perylene-d12	15.398	264	205586	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	10478	1.338	ng	0.04
7) Phenol-d6	6.428	99	15870	1.594	ng	0.04
23) Nitrobenzene-d5	7.322	82	9657	1.101	ng	0.01
42) 2,4,6-Tribromophenol	10.580	330	2583	1.248	ng	0.01
45) 2-Fluorobiphenyl	9.098	172	20585	1.492	ng	0.00
79) Terphenyl-d14	12.863	244	14610	0.980	ng	0.00
Target Compounds						
						Qvalue
50) Dimethylphthalate	9.775	163	40851	2.902	ng	# 1
51) 2,6-Dinitrotoluene	9.775	165	27163	8.808	ng	# 17
57) 2,4-Dinitrotoluene	9.775	165	27163	7.035	ng	# 18
71) Phenanthrene	11.292	178	163296	10.781	ng	98
75) Fluoranthene	12.492	202	450795	28.562	ng	99
78) Pyrene	12.721	202	361714	16.444	ng	98
81) Benzo(a)anthracene	13.915	228	163486	10.958	ng	99
83) Chrysene	13.957	228	201824	13.606	ng	98
87) Indeno(1,2,3-cd)pyrene	16.886	276	92786	6.883	ng	98
88) Benzo(b)fluoranthene	14.968	252	311531	27.992	ng	# 96
89) Benzo(k)fluoranthene	14.968	252	311531	28.338	ng	# 96
90) Benzo(a)pyrene	15.339	252	132798	12.513	ng	100
92) Benzo(g,h,i)perylene	17.339	276	91203	7.918	ng	96

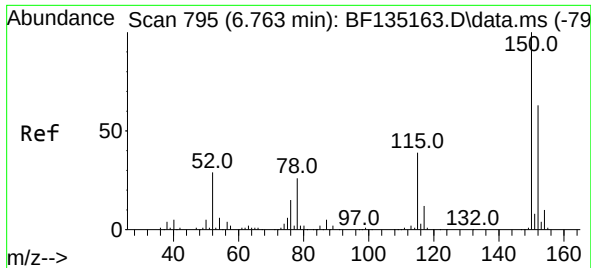
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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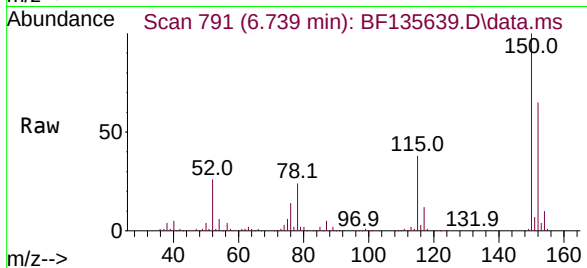
Quant Time: Oct 07 01:52:32 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 04 17:06:20 2023
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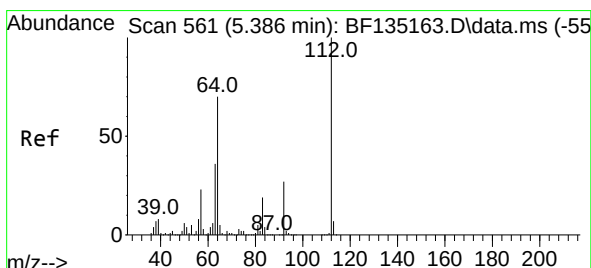
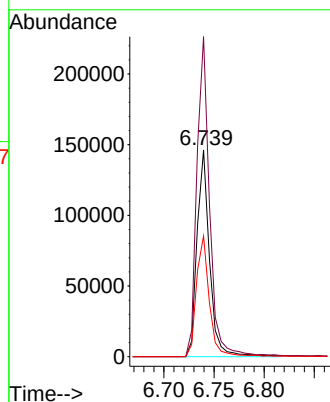
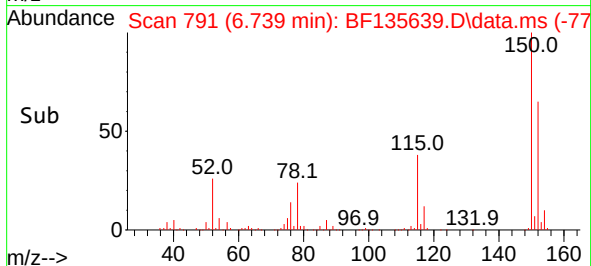


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.739 min Scan# 795
 Delta R.T. 0.000 min
 Lab File: BF135639.D
 Acq: 06 Oct 2023 20:33

Instrument :
 BNA_F
 ClientSampleId :

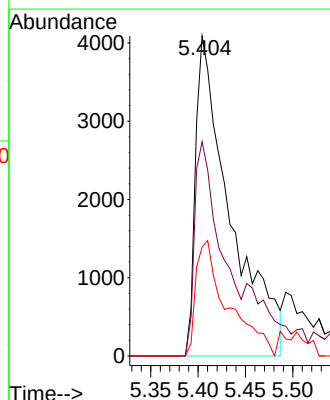
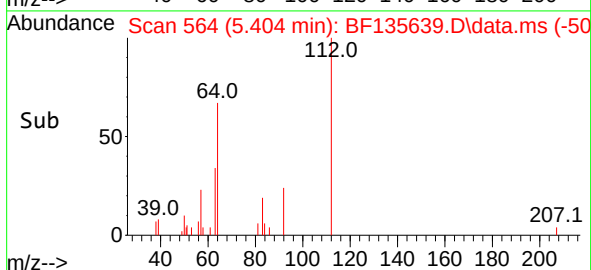
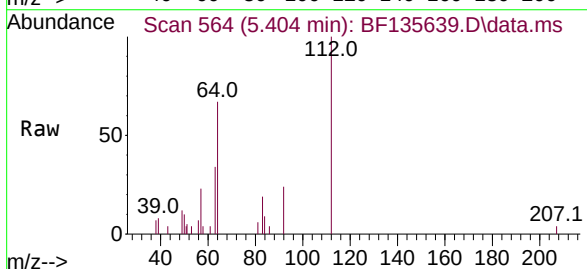


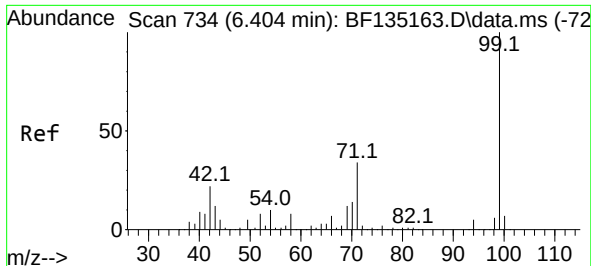
Tgt Ion:152 Resp: 127333
 Ion Ratio Lower Upper
 152 100
 150 154.8 127.8 191.6
 115 58.4 49.8 74.8



#5
 2-Fluorophenol
 Concen: 1.338 ng
 RT: 5.404 min Scan# 564
 Delta R.T. 0.035 min
 Lab File: BF135639.D
 Acq: 06 Oct 2023 20:33

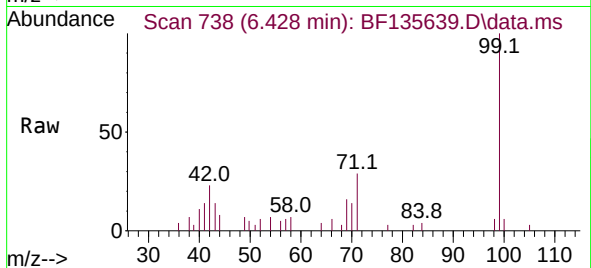
Tgt Ion:112 Resp: 10478
 Ion Ratio Lower Upper
 112 100
 64 66.9 55.9 83.9
 63 34.0 29.0 43.6



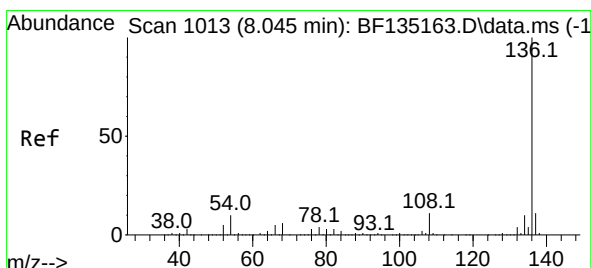
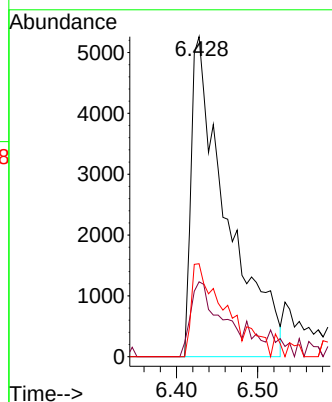
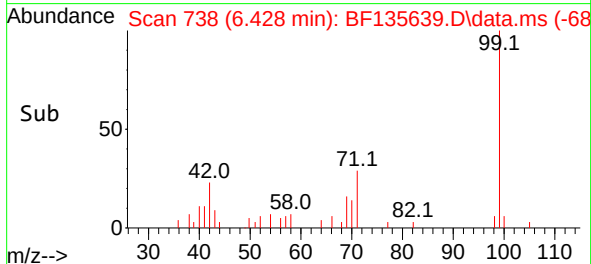


#7
Phenol-d6
Concen: 1.594 ng
RT: 6.428 min Scan# 71
Delta R.T. 0.041 min
Lab File: BF135639.D
Acq: 06 Oct 2023 20:33

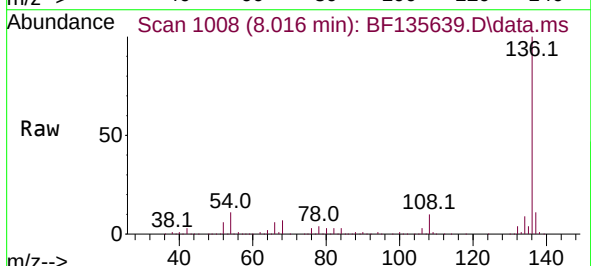
Instrument :
BNA_F
ClientSampleId :



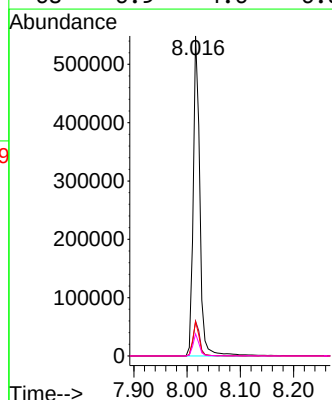
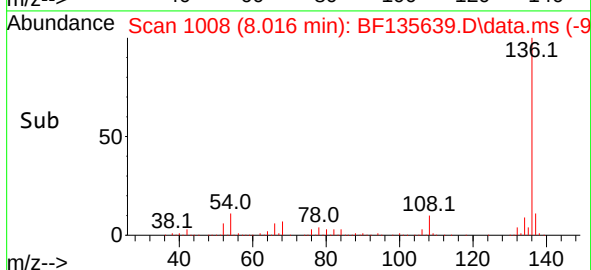
Tgt Ion: 99 Resp: 15870
Ion Ratio Lower Upper
99 100
42 23.4 17.9 26.9
71 29.0 27.0 40.6

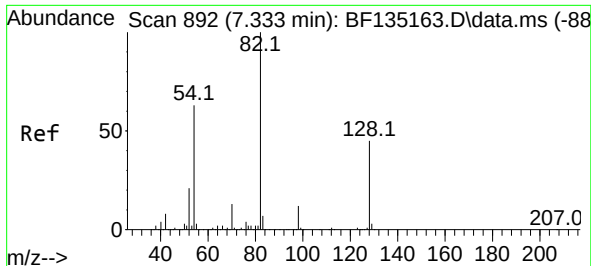


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BF135639.D
Acq: 06 Oct 2023 20:33



Tgt Ion: 136 Resp: 476345
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 10.7 7.7 11.5
68 6.9 4.6 6.8





#23

Nitrobenzene-d5

Concen: 1.101 ng

RT: 7.322 min Scan# 89

Delta R.T. 0.012 min

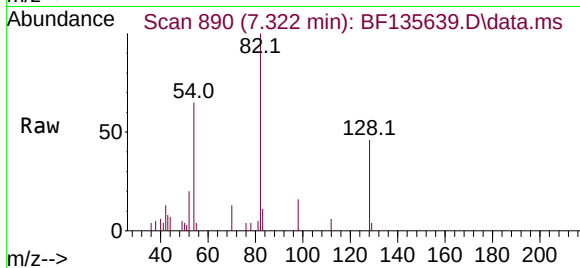
Lab File: BF135639.D

Acq: 06 Oct 2023 20:33

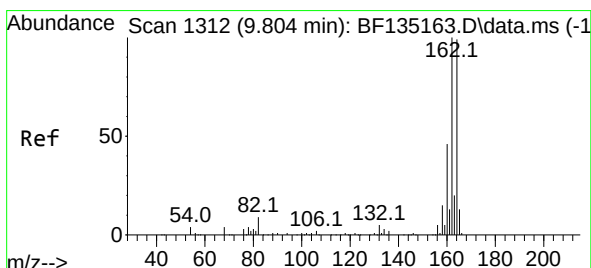
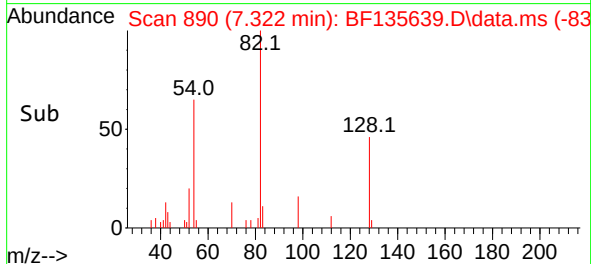
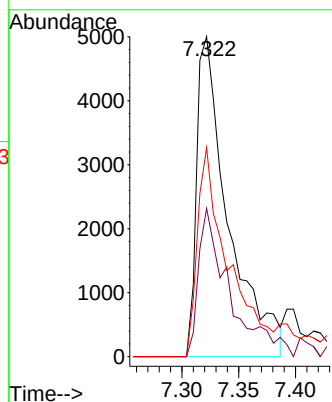
Instrument :

BNA_F

ClientSampleId :



Tgt Ion: 82	Resp: 9657
Ion Ratio	Lower Upper
82	100
128	46.4 35.8 53.6
54	65.3 50.6 76.0



#39

Acenaphthene-d10

Concen: 20.000 ng

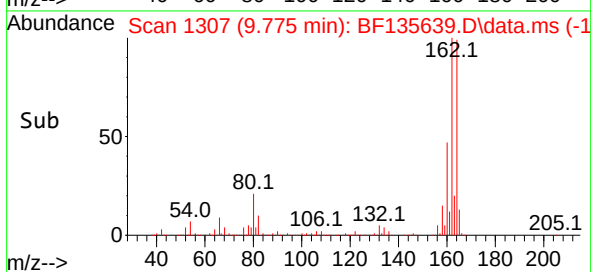
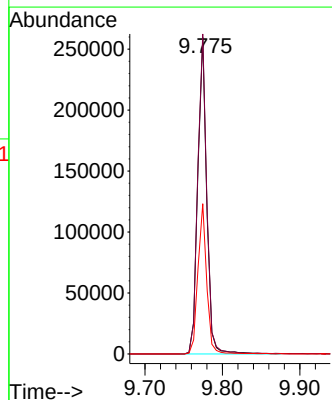
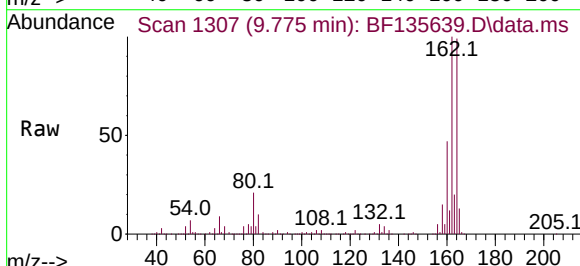
RT: 9.775 min Scan# 1307

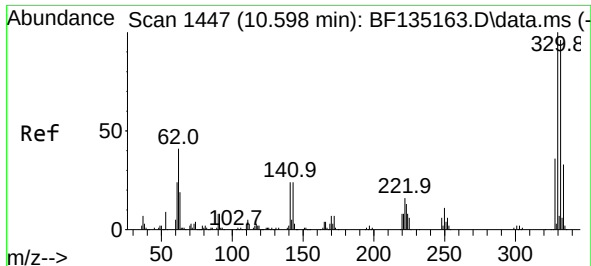
Delta R.T. 0.000 min

Lab File: BF135639.D

Acq: 06 Oct 2023 20:33

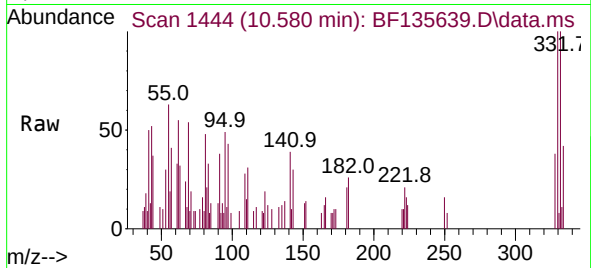
Tgt Ion: 164	Resp: 208226
Ion Ratio	Lower Upper
164	100
162	101.1 81.0 121.4
160	47.5 37.0 55.4





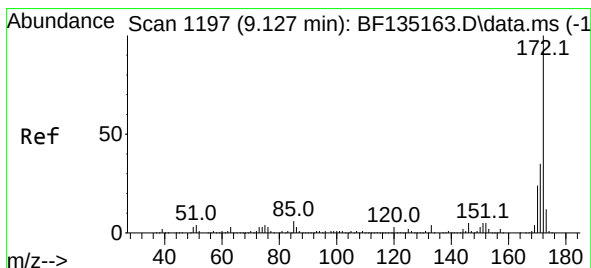
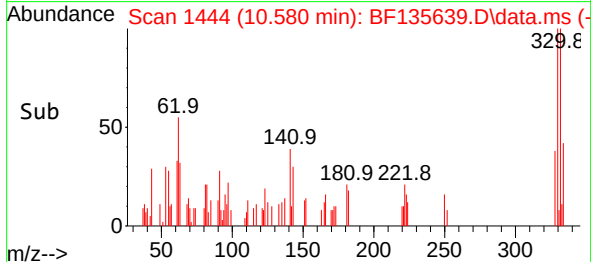
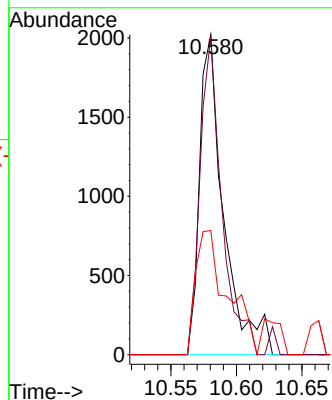
#42
2,4,6-Tribromophenol
Concen: 1.248 ng
RT: 10.580 min Scan# 1444
Delta R.T. 0.012 min
Lab File: BF135639.D
Acq: 06 Oct 2023 20:33

Instrument :
BNA_F
ClientSampleId :



Tgt Ion: 330 Resp: 2583

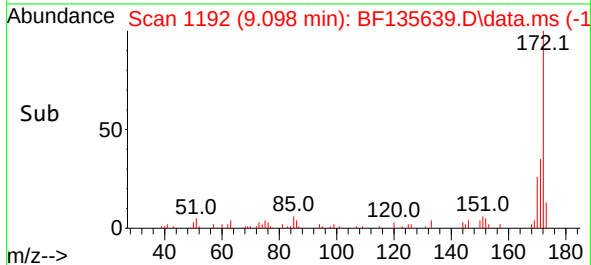
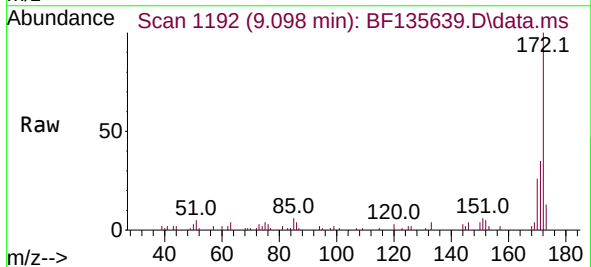
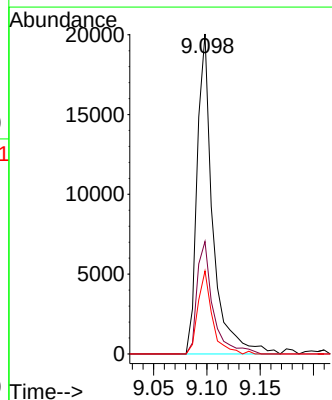
Ion	Ratio	Lower	Upper
330	100		
332	90.5	77.3	115.9
141	51.1	25.8	38.8

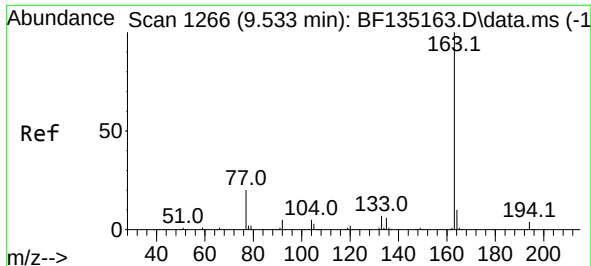


#45
2-Fluorobiphenyl
Concen: 1.492 ng
RT: 9.098 min Scan# 1192
Delta R.T. 0.000 min
Lab File: BF135639.D
Acq: 06 Oct 2023 20:33

Tgt Ion: 172 Resp: 20585

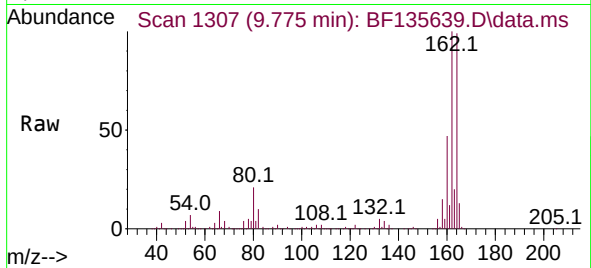
Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.4	42.6
170	25.9	19.0	28.4



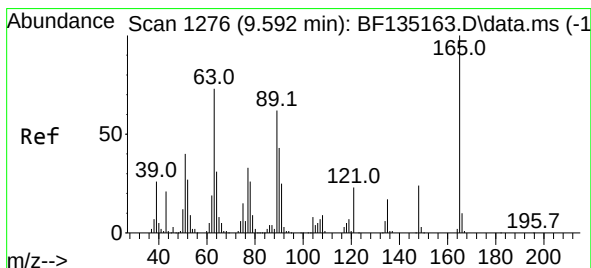
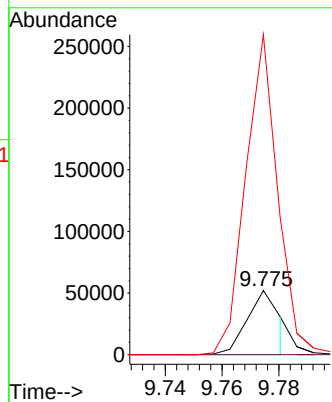
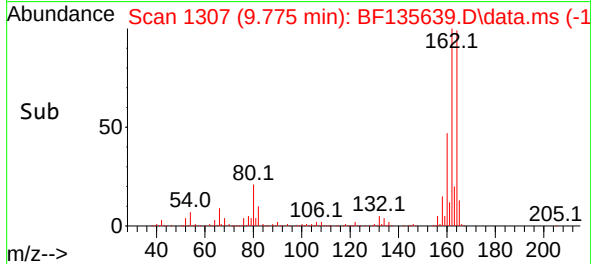


#50
Dimethylphthalate
Concen: 2.902 ng
RT: 9.775 min Scan# 11
Delta R.T. 0.271 min
Lab File: BF135639.D
Acq: 06 Oct 2023 20:33

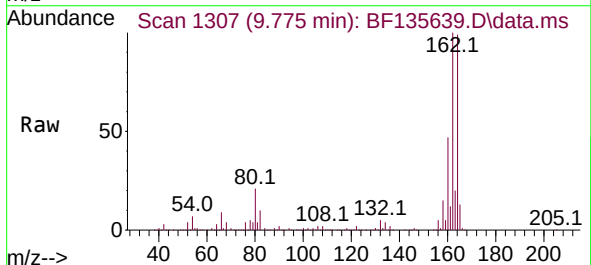
Instrument :
BNA_F
ClientSampleId :



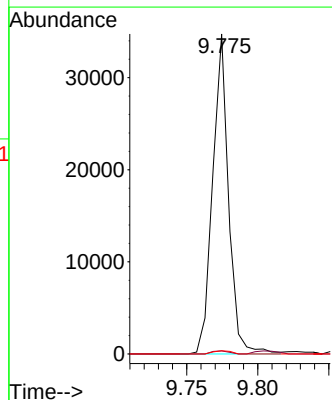
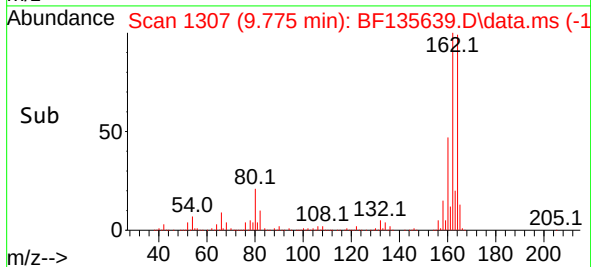
Tgt Ion:163 Resp: 40851
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 498.1 8.1 12.1#

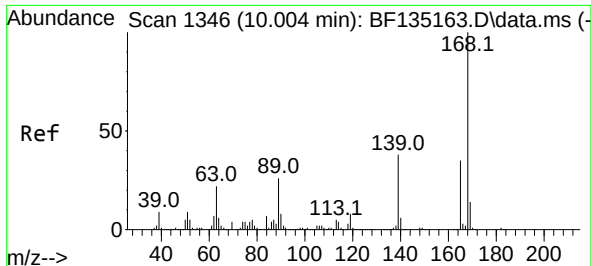


#51
2,6-Dinitrotoluene
Concen: 8.808 ng
RT: 9.775 min Scan# 1307
Delta R.T. 0.200 min
Lab File: BF135639.D
Acq: 06 Oct 2023 20:33



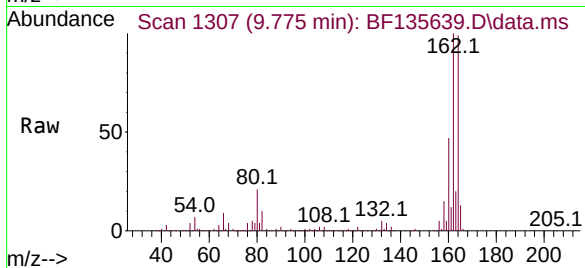
Tgt Ion:165 Resp: 27163
Ion Ratio Lower Upper
165 100
63 1.0 59.4 89.2#
89 1.0 49.8 74.8#



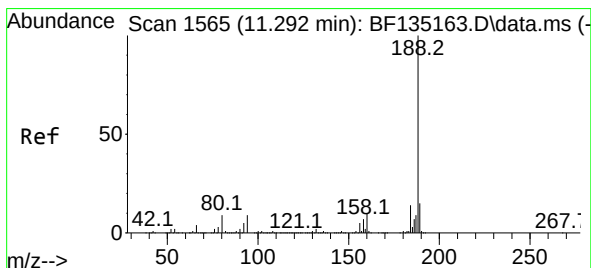
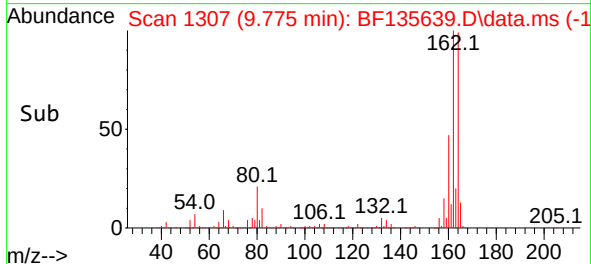
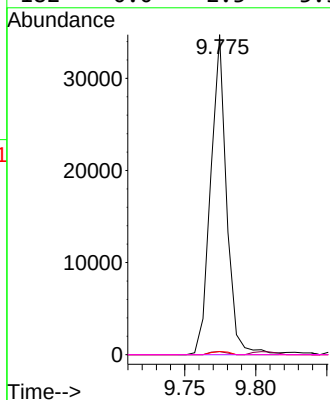


#57
2,4-Dinitrotoluene
Concen: 7.035 ng
RT: 9.775 min Scan# 11
Delta R.T. -0.212 min
Lab File: BF135639.D
Acq: 06 Oct 2023 20:33

Instrument :
BNA_F
ClientSampleId :

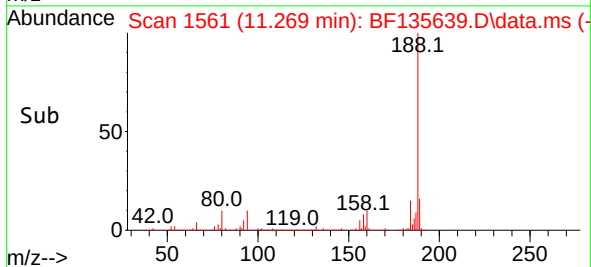
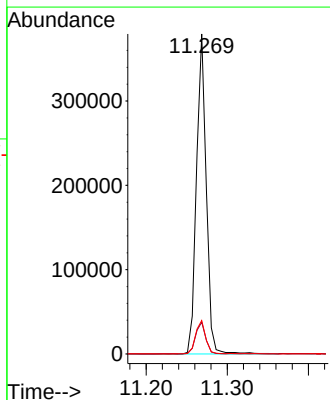
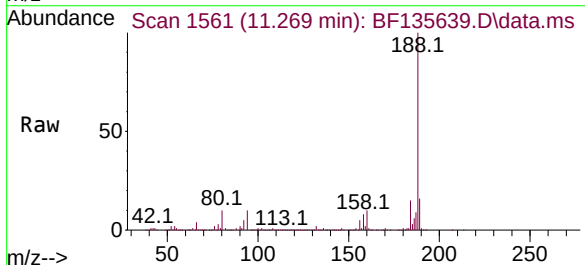


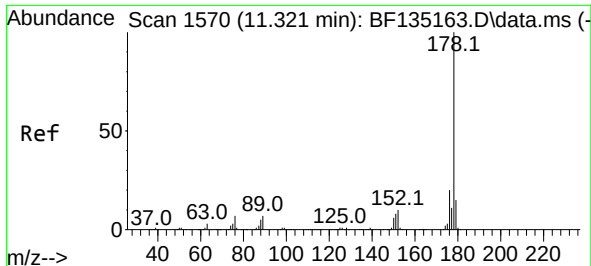
Tgt Ion:165 Resp: 27163
Ion Ratio Lower Upper
165 100
63 1.0 50.1 75.1#
89 1.0 59.3 88.9#
182 0.0 2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.269 min Scan# 1561
Delta R.T. 0.000 min
Lab File: BF135639.D
Acq: 06 Oct 2023 20:33

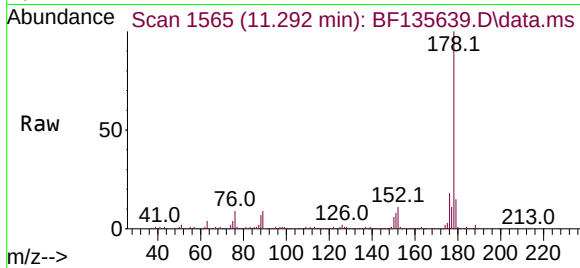
Tgt Ion:188 Resp: 320260
Ion Ratio Lower Upper
188 100
94 9.9 7.0 10.6
80 10.5 7.5 11.3



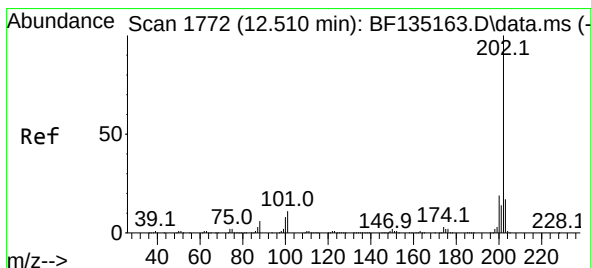
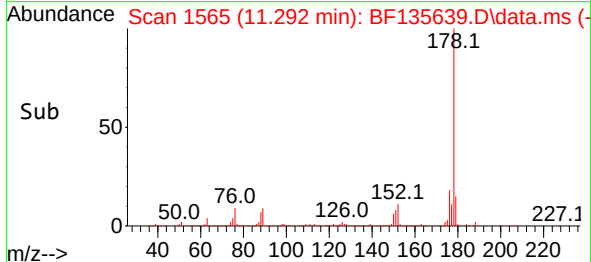
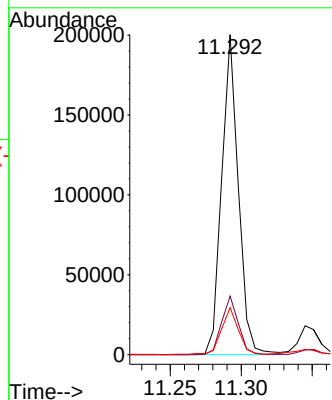


#71
Phenanthrene
Concen: 10.781 ng
RT: 11.292 min Scan# 1769
Delta R.T. 0.000 min
Lab File: BF135639.D
Acq: 06 Oct 2023 20:33

Instrument :
BNA_F
ClientSampleId :

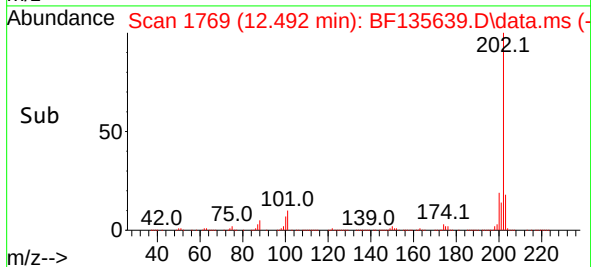
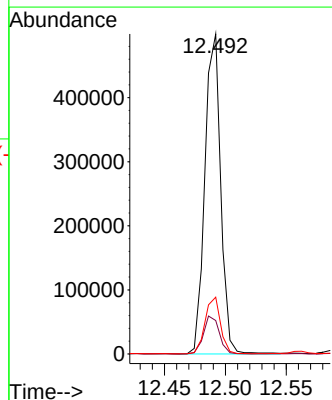
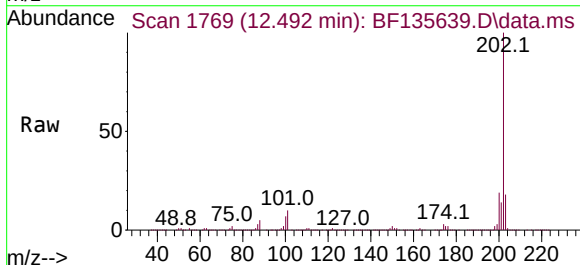


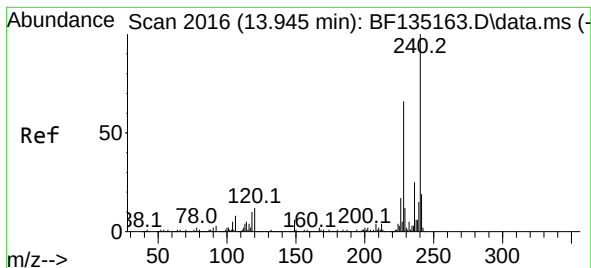
Tgt Ion:178 Resp: 163296
Ion Ratio Lower Upper
178 100
176 18.3 15.6 23.4
179 14.7 12.0 18.0



#75
Fluoranthene
Concen: 28.562 ng
RT: 12.492 min Scan# 1769
Delta R.T. 0.006 min
Lab File: BF135639.D
Acq: 06 Oct 2023 20:33

Tgt Ion:202 Resp: 450795
Ion Ratio Lower Upper
202 100
101 10.4 0.0 31.3
203 17.7 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.927 min Scan# 2016

Delta R.T. 0.000 min

Lab File: BF135639.D

Acq: 06 Oct 2023 20:33

Instrument :

BNA_F

ClientSampleId :

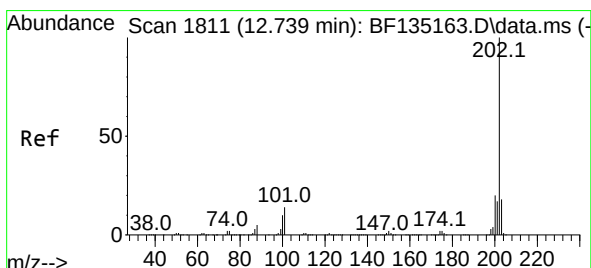
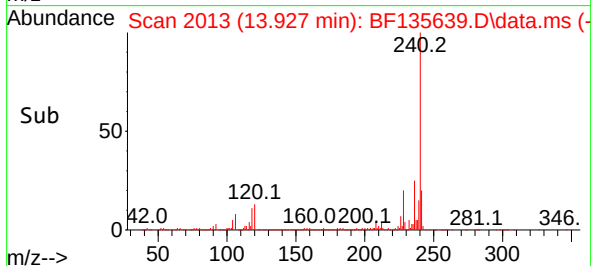
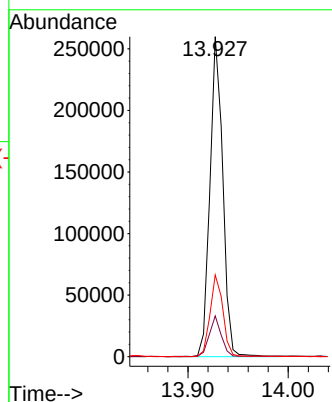
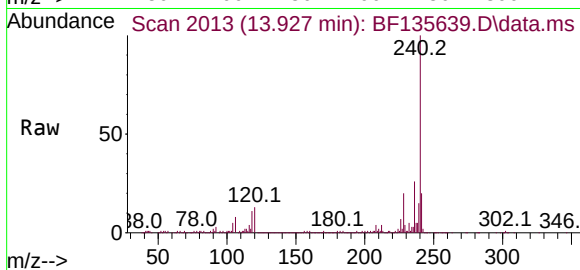
Tgt Ion:240 Resp: 231044

Ion Ratio Lower Upper

240 100

120 12.8 9.4 14.2

236 25.5 19.8 29.8



#78

Pyrene

Concen: 16.444 ng

RT: 12.721 min Scan# 1808

Delta R.T. 0.006 min

Lab File: BF135639.D

Acq: 06 Oct 2023 20:33

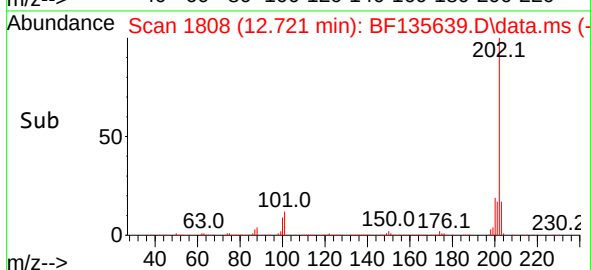
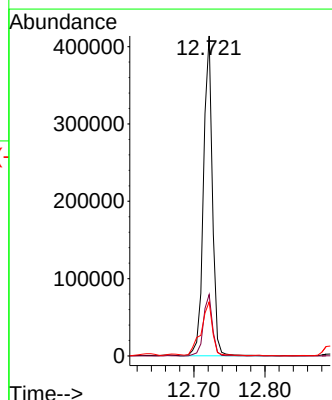
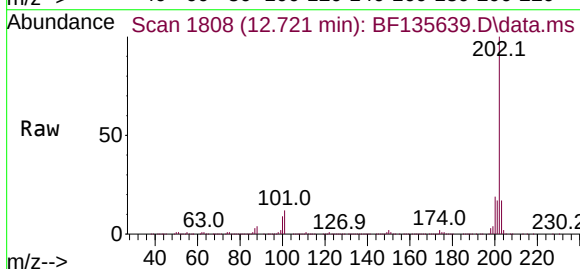
Tgt Ion:202 Resp: 361714

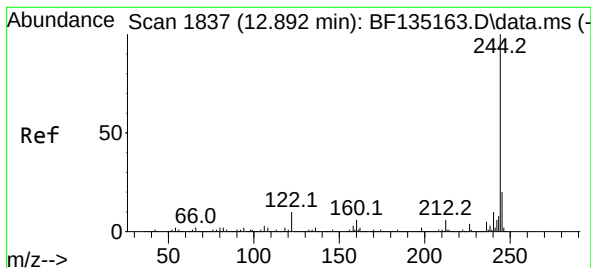
Ion Ratio Lower Upper

202 100

200 19.2 16.2 24.2

203 16.9 14.2 21.4





#79

Terphenyl-d14

Concen: 0.980 ng

RT: 12.863 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF135639.D

Acq: 06 Oct 2023 20:33

Instrument :

BNA_F

ClientSampleId :

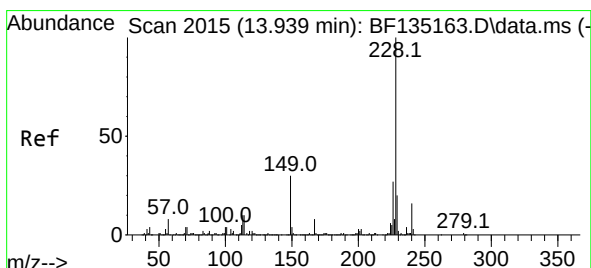
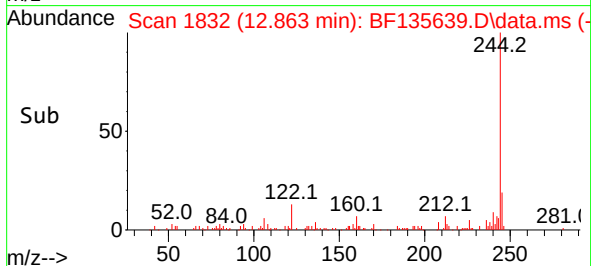
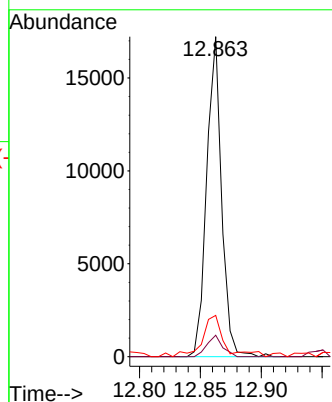
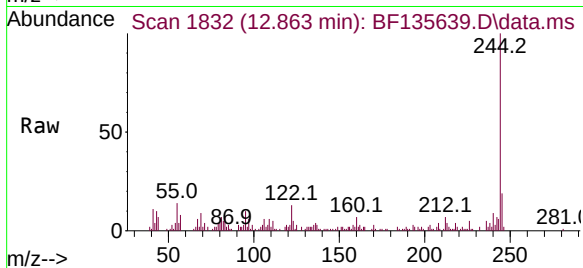
Tgt Ion:244 Resp: 14610

Ion Ratio Lower Upper

244 100

212 6.7 5.1 7.7

122 12.9 7.9 11.9#



#81

Benzo(a)anthracene

Concen: 10.958 ng

RT: 13.915 min Scan# 2011

Delta R.T. 0.000 min

Lab File: BF135639.D

Acq: 06 Oct 2023 20:33

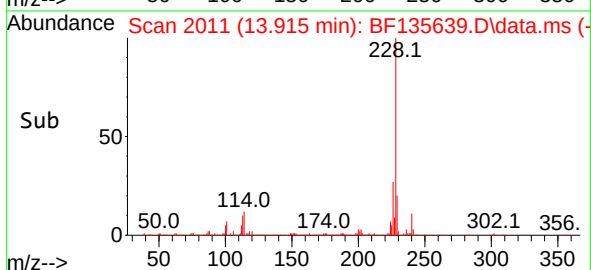
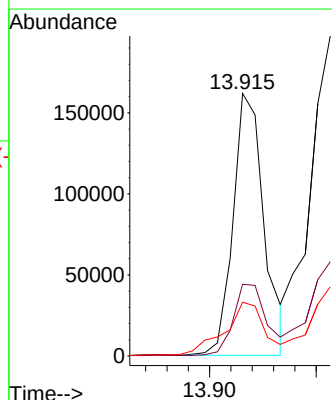
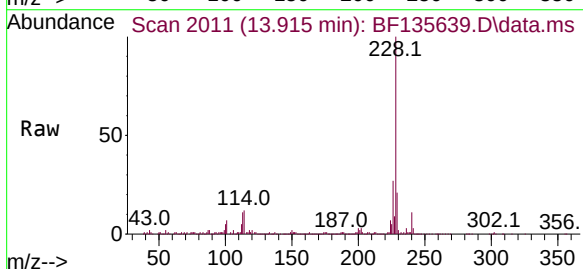
Tgt Ion:228 Resp: 163486

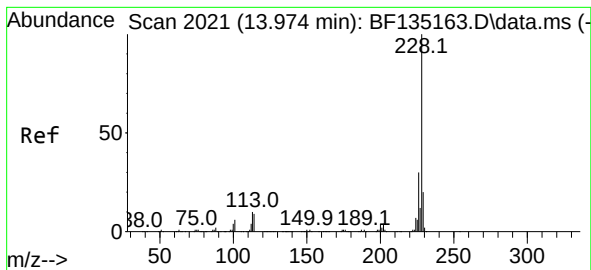
Ion Ratio Lower Upper

228 100

226 27.3 21.7 32.5

229 20.5 15.8 23.8





#83

Chrysene

Concen: 13.606 ng

RT: 13.957 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF135639.D

Acq: 06 Oct 2023 20:33

Instrument :

BNA_F

ClientSampleId :

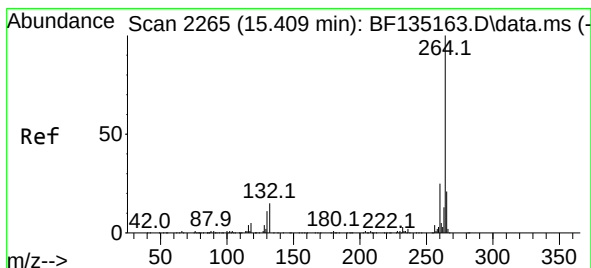
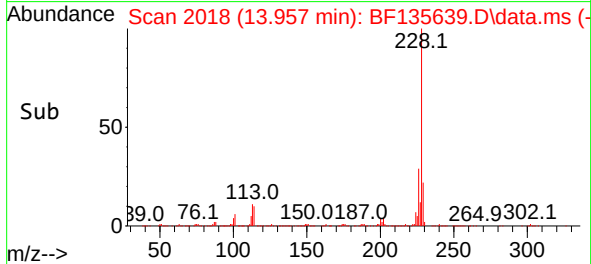
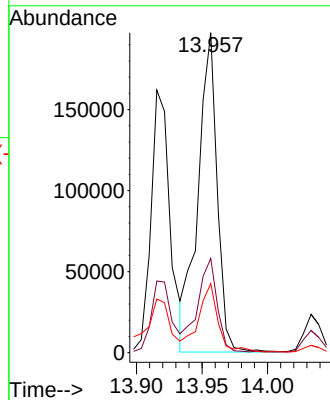
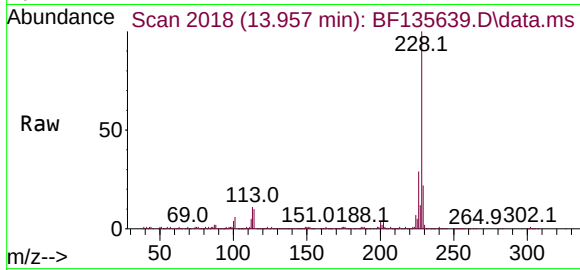
Tgt Ion:228 Resp: 201824

Ion Ratio Lower Upper

228 100

226 29.5 24.3 36.5

229 21.6 16.0 24.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.398 min Scan# 2263

Delta R.T. 0.012 min

Lab File: BF135639.D

Acq: 06 Oct 2023 20:33

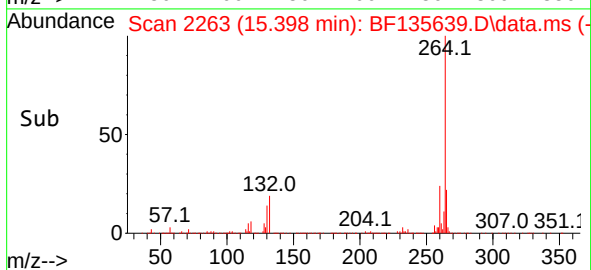
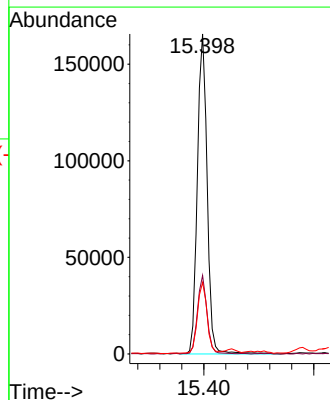
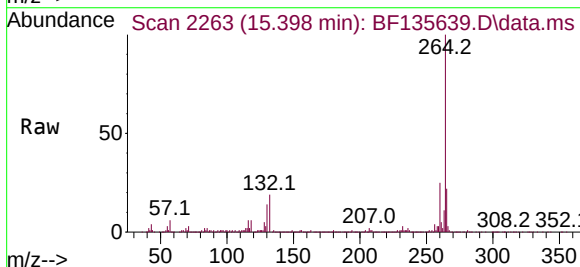
Tgt Ion:264 Resp: 205586

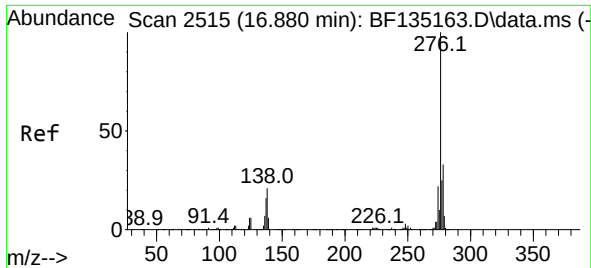
Ion Ratio Lower Upper

264 100

260 24.6 19.8 29.6

265 22.4 17.0 25.4

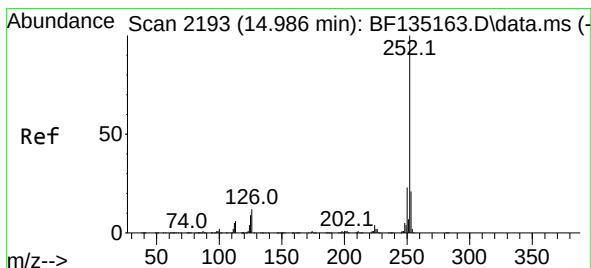
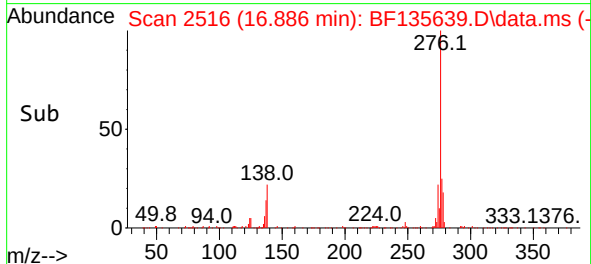
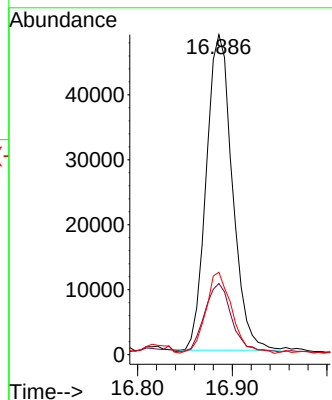
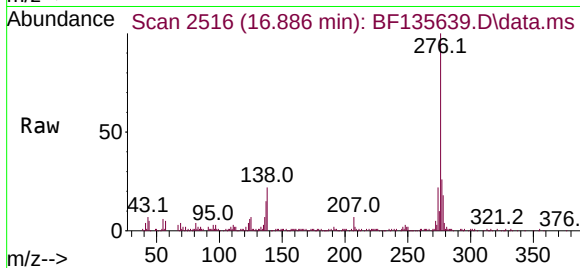




#87
Indeno(1,2,3-cd)pyrene
Concen: 6.883 ng
RT: 16.886 min Scan# 2190
Delta R.T. 0.018 min
Lab File: BF135639.D
Acq: 06 Oct 2023 20:33

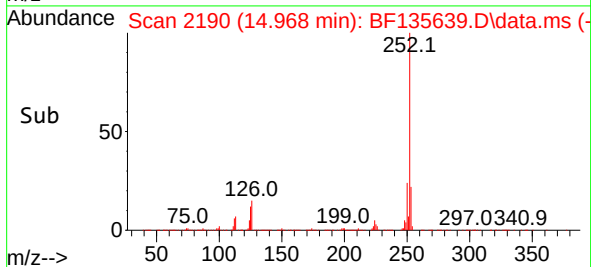
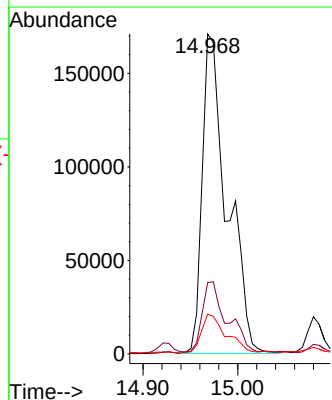
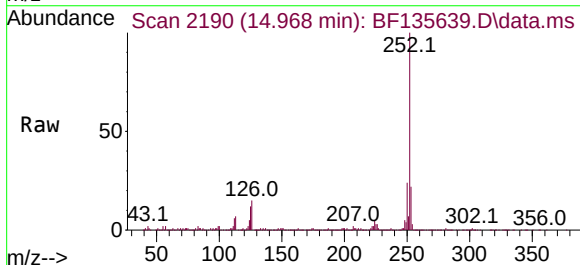
Instrument :
BNA_F
ClientSampleId :

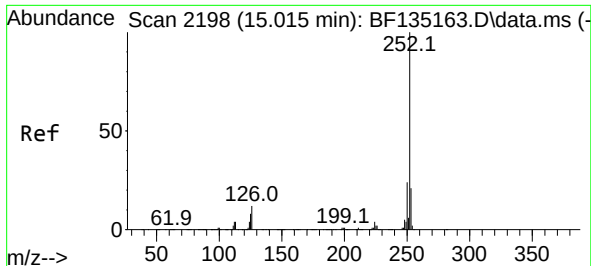
Tgt Ion:276 Resp: 92786
Ion Ratio Lower Upper
276 100
138 23.5 19.2 28.8
277 25.8 19.7 29.5



#88
Benzo(b)fluoranthene
Concen: 27.992 ng
RT: 14.968 min Scan# 2190
Delta R.T. 0.006 min
Lab File: BF135639.D
Acq: 06 Oct 2023 20:33

Tgt Ion:252 Resp: 311531
Ion Ratio Lower Upper
252 100
253 22.3 17.2 25.8
125 12.4 7.1 10.7#

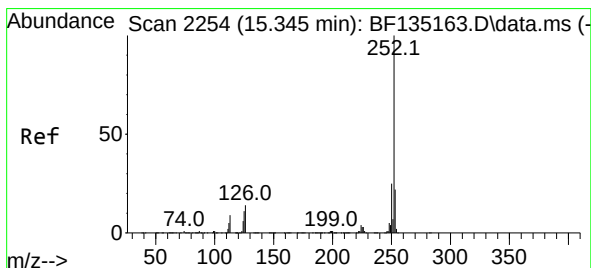
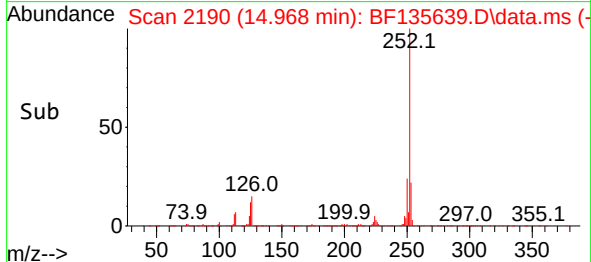
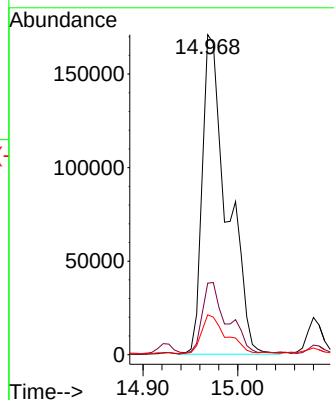
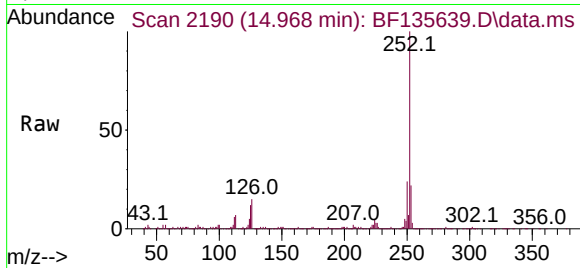




#89
Benzo(k)fluoranthene
Concen: 28.338 ng
RT: 14.968 min Scan# 2198
Delta R.T. -0.023 min
Lab File: BF135639.D
Acq: 06 Oct 2023 20:33

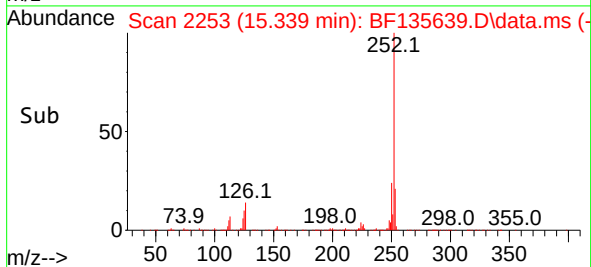
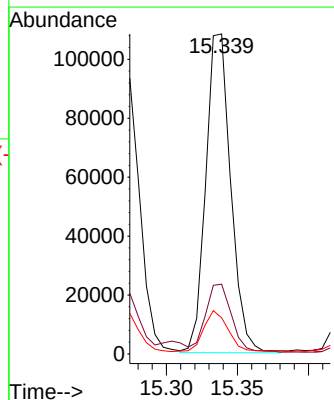
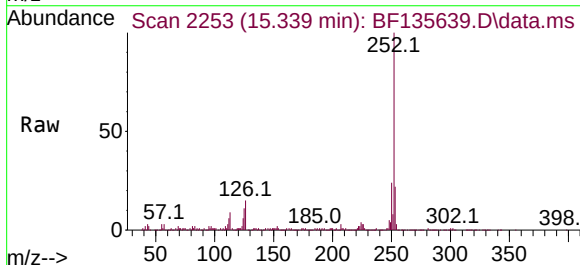
Instrument :
BNA_F
ClientSampleId :

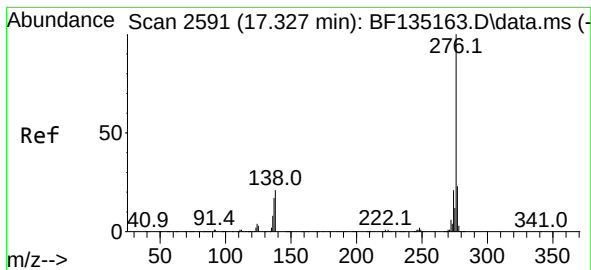
Tgt Ion:252 Resp: 311531
Ion Ratio Lower Upper
252 100
253 22.3 17.4 26.0
125 12.4 7.2 10.8#



#90
Benzo(a)pyrene
Concen: 12.513 ng
RT: 15.339 min Scan# 2253
Delta R.T. 0.012 min
Lab File: BF135639.D
Acq: 06 Oct 2023 20:33

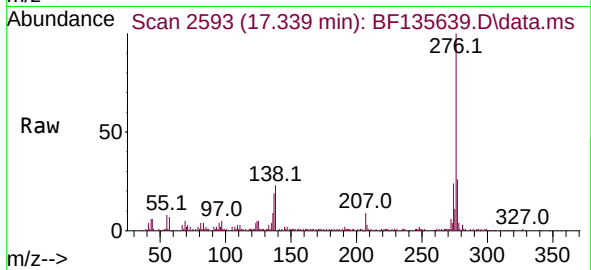
Tgt Ion:252 Resp: 132798
Ion Ratio Lower Upper
252 100
253 21.8 17.5 26.3
125 11.3 9.2 13.8





#92
 Benzo(g,h,i)perylene
 Concen: 7.918 ng
 RT: 17.339 min Scan# 21
 Delta R.T. 0.024 min
 Lab File: BF135639.D
 Acq: 06 Oct 2023 20:33

Instrument :
 BNA_F
 ClientSampleId :



Tgt Ion:	276	Resp:	91203
Ion Ratio	Lower	Upper	
276	100		
277	25.6	18.8	28.2
138	23.0	16.9	25.3

