

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091223\
 Data File : BF135210.D
 Acq On : 13 Sep 2023 07:07
 Operator : CG\JU
 Sample : 04334-02
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 359

Quant Time: Sep 13 07:44:13 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 00:19:07 2023
 Response via : Initial Calibration

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

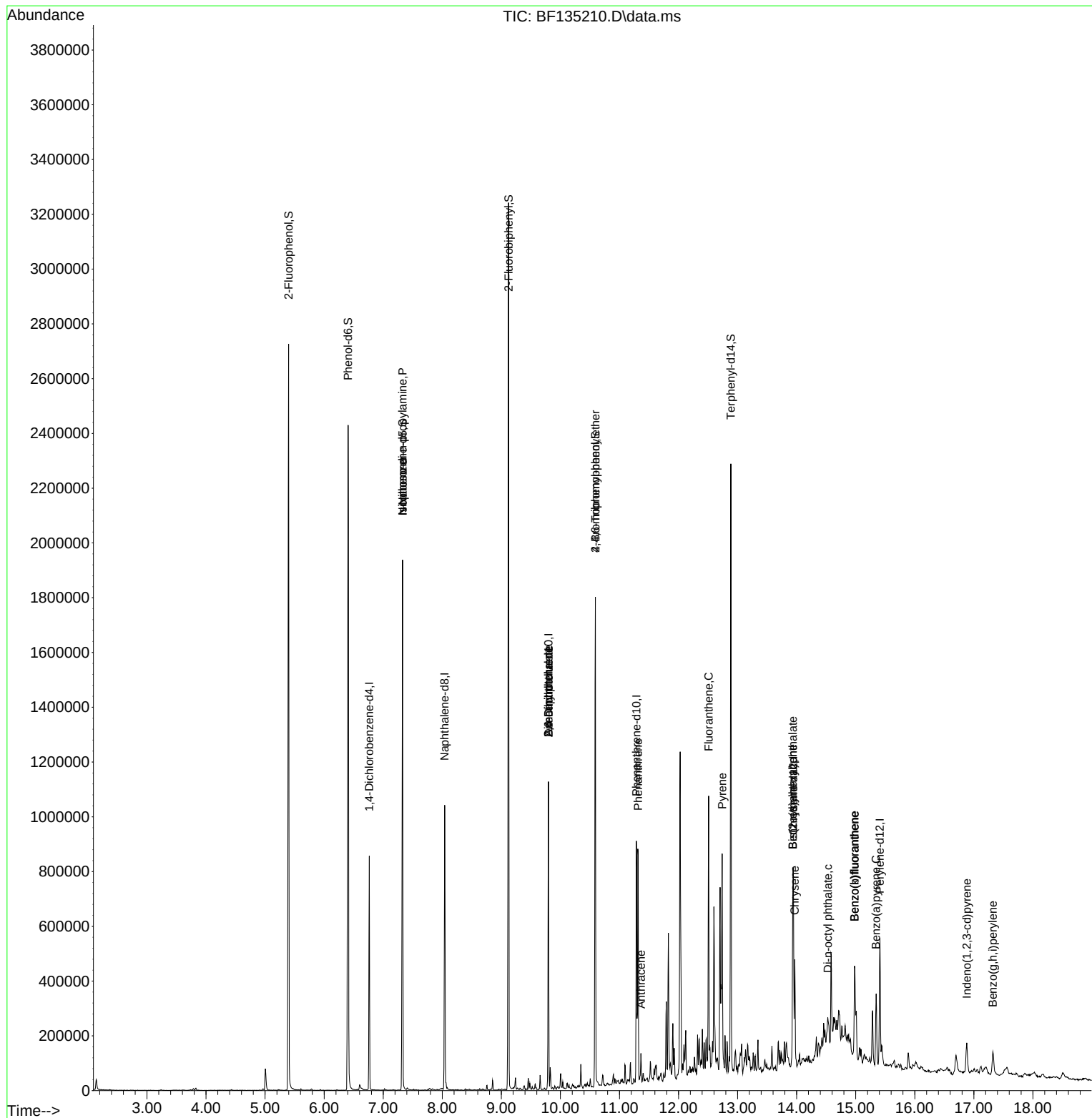
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.763	152	111095	20.000	ng	0.00
21) Naphthalene-d8	8.040	136	423169	20.000	ng	0.00
39) Acenaphthene-d10	9.798	164	202665	20.000	ng	0.00
64) Phenanthrene-d10	11.286	188	339503	20.000	ng	0.00
76) Chrysene-d12	13.945	240	189181	20.000	ng	0.00
86) Perylene-d12	15.410	264	215381	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.399	112	711869	104.219	ng	0.01
7) Phenol-d6	6.404	99	920110	105.937	ng	0.00
23) Nitrobenzene-d5	7.328	82	551495	70.805	ng	0.00
42) 2,4,6-Tribromophenol	10.592	330	210460	104.499	ng	0.00
45) 2-Fluorobiphenyl	9.122	172	973378	72.462	ng	0.00
79) Terphenyl-d14	12.886	244	744951	61.043	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.328	70	75322	14.001	ng	# 78
25) Isophorone	7.328	82	551581	38.565	ng	# 65
50) Dimethylphthalate	9.798	163	40772	2.976	ng	# 1
51) 2,6-Dinitrotoluene	9.798	165	27334	9.106	ng	# 17
57) 2,4-Dinitrotoluene	9.798	165	27334	7.274	ng	# 19
67) 4-Bromophenyl-phenylether	10.592	248	13319	3.944	ng	# 1
71) Phenanthrene	11.316	178	323273	20.133	ng	99
72) Anthracene	11.363	178	36108	2.188	ng	97
75) Fluoranthene	12.510	202	384204	22.963	ng	98
78) Pyrene	12.739	202	322534	17.907	ng	99
81) Benzo(a)anthracene	13.933	228	130483	10.681	ng	97
83) Chrysene	13.969	228	151171	12.447	ng	98
84) Bis(2-ethylhexyl)phtha...	13.933	149	42881	6.589	ng	98
85) Di-n-octyl phthalate	14.527	149	55577	5.374	ng	# 69
87) Indeno(1,2,3-cd)pyrene	16.880	276	72883	5.161	ng	96
88) Benzo(b)fluoranthene	14.980	252	256489	21.999	ng	98
89) Benzo(k)fluoranthene	14.980	252	256489	22.270	ng	98
90) Benzo(a)pyrene	15.345	252	121307	10.910	ng	98
92) Benzo(g,h,i)perylene	17.321	276	69597	5.767	ng	100

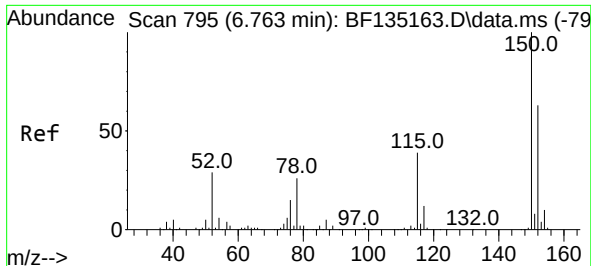
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091223\
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Quant Time: Sep 13 07:44:13 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 12 00:19:07 2023
Response via : Initial Calibration

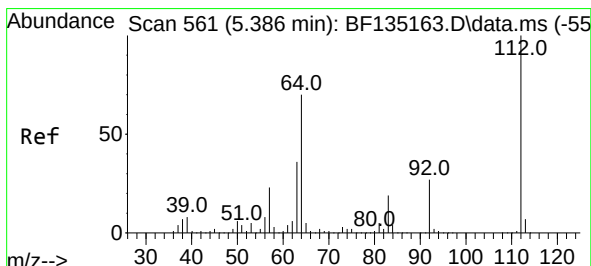
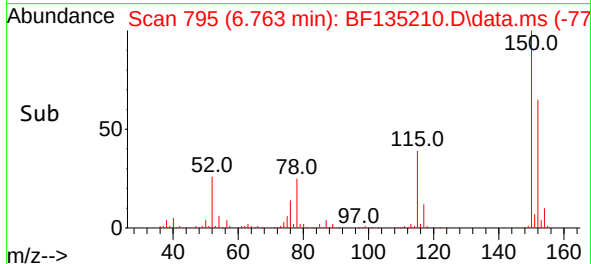
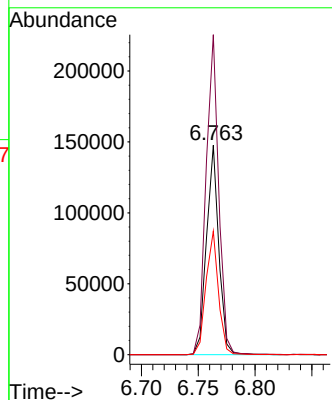
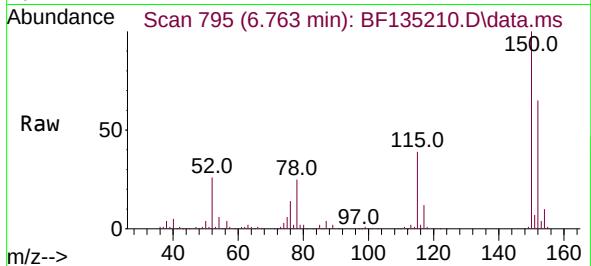




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.763 min Scan# 795
 Delta R.T. 0.000 min
 Lab File: BF135210.D
 Acq: 13 Sep 2023 07:07

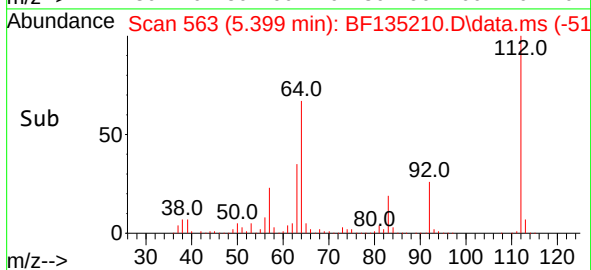
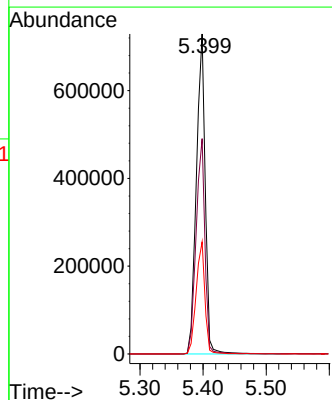
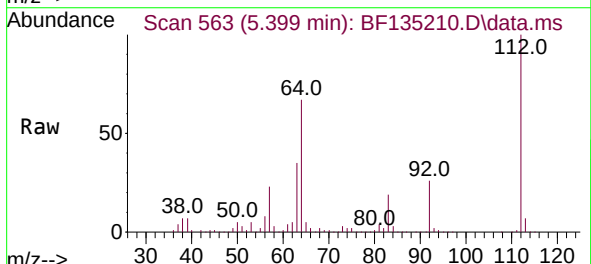
Instrument :
 BNA_F
 ClientSampleId :
 359

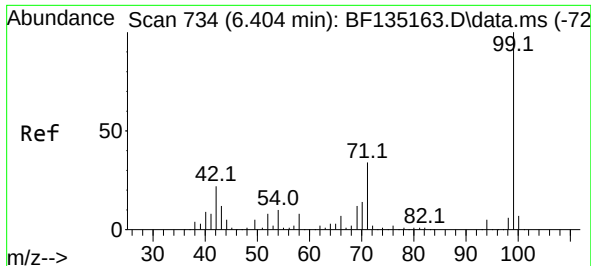
Tgt Ion:152 Resp: 111095
 Ion Ratio Lower Upper
 152 100
 150 152.8 127.8 191.6
 115 59.0 49.8 74.8



#5
 2-Fluorophenol
 Concen: 104.219 ng
 RT: 5.399 min Scan# 563
 Delta R.T. 0.012 min
 Lab File: BF135210.D
 Acq: 13 Sep 2023 07:07

Tgt Ion:112 Resp: 711869
 Ion Ratio Lower Upper
 112 100
 64 67.3 55.9 83.9
 63 35.1 29.0 43.6

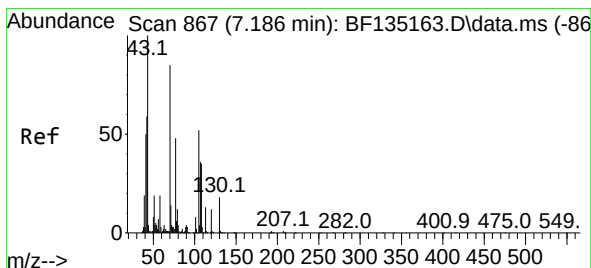
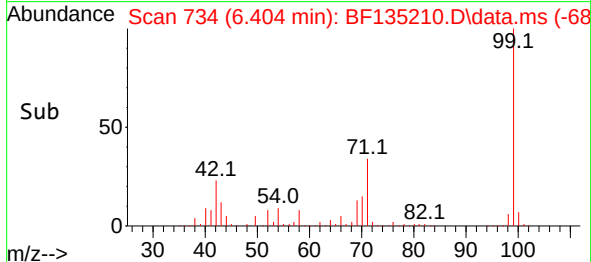
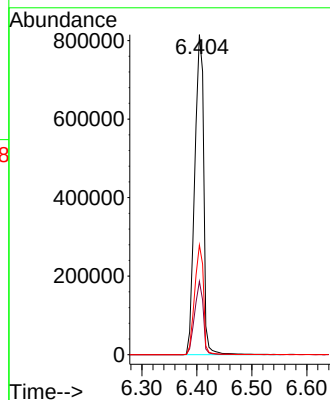
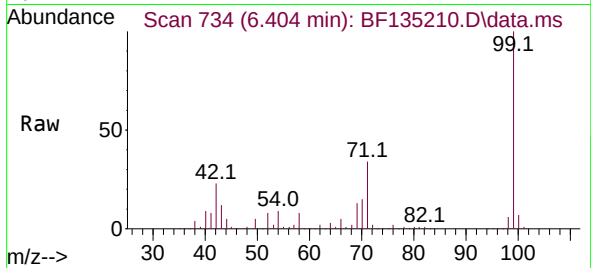




#7
Phenol-d6
Concen: 105.937 ng
RT: 6.404 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF135210.D
Acq: 13 Sep 2023 07:07

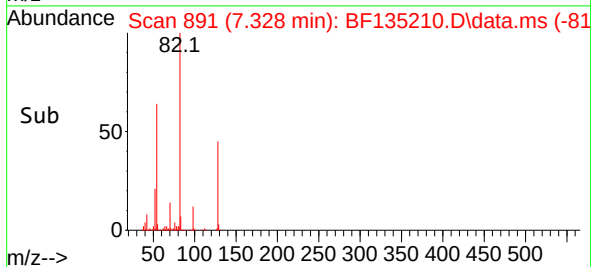
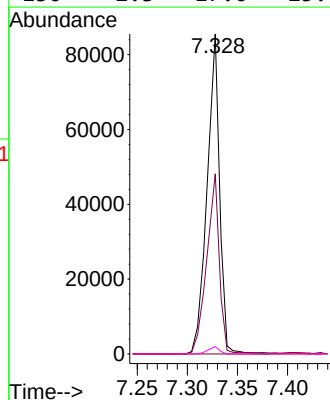
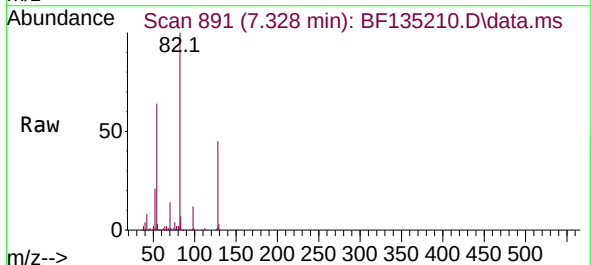
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BNA_F
ClientSampleId :
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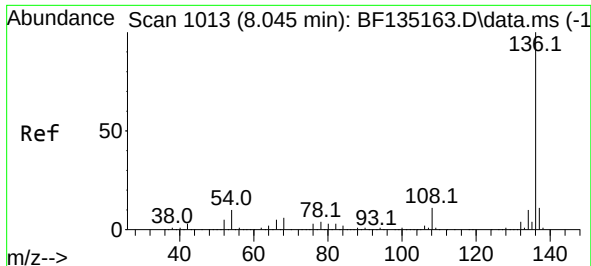
Tgt Ion: 99 Resp: 920110
Ion Ratio Lower Upper
99 100
42 22.9 17.9 26.9
71 34.3 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 14.001 ng
RT: 7.328 min Scan# 891
Delta R.T. 0.141 min
Lab File: BF135210.D
Acq: 13 Sep 2023 07:07

Tgt Ion: 70 Resp: 75322
Ion Ratio Lower Upper
70 100
42 56.3 55.4 83.0
101 0.0 7.7 11.5#
130 2.3 17.0 25.6#

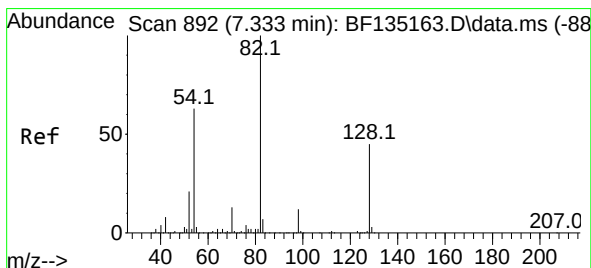
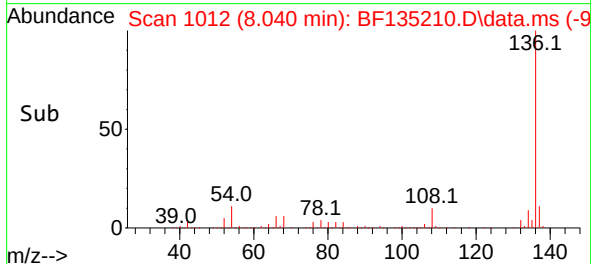
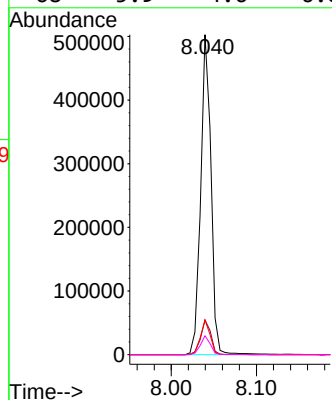
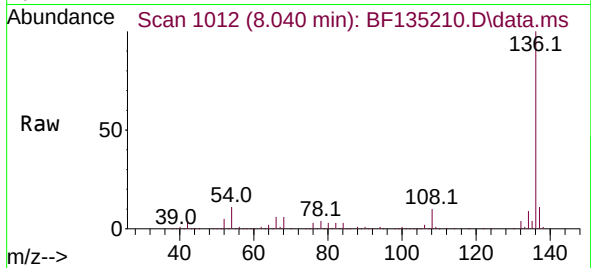




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.040 min Scan# 1013
Delta R.T. -0.006 min
Lab File: BF135210.D
Acq: 13 Sep 2023 07:07

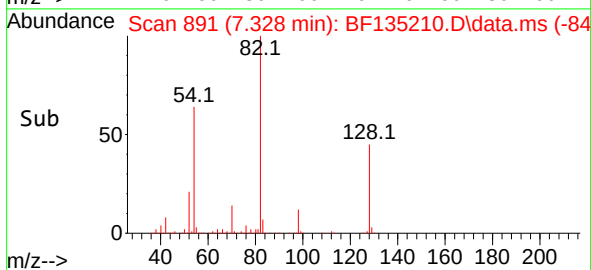
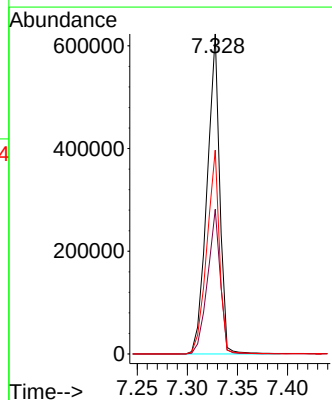
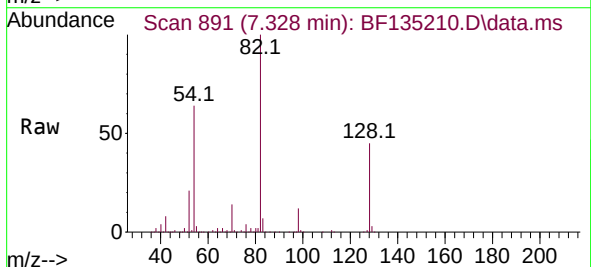
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BNA_F
ClientSampleId :
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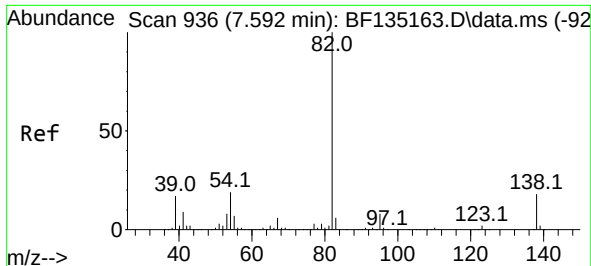
Tgt Ion:136 Resp: 423169
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 10.8 7.7 11.5
68 5.9 4.6 6.8



#23
Nitrobenzene-d5
Concen: 70.805 ng
RT: 7.328 min Scan# 891
Delta R.T. -0.006 min
Lab File: BF135210.D
Acq: 13 Sep 2023 07:07

Tgt Ion: 82 Resp: 551495
Ion Ratio Lower Upper
82 100
128 45.2 35.8 53.6
54 63.7 50.6 76.0

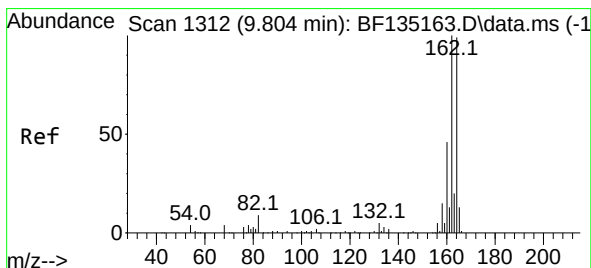
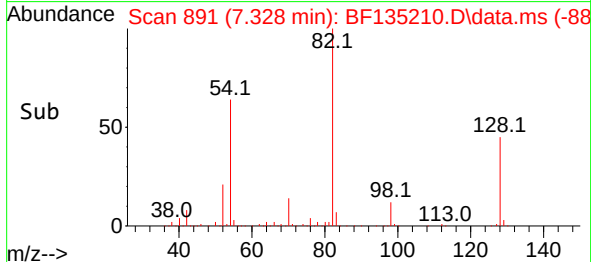
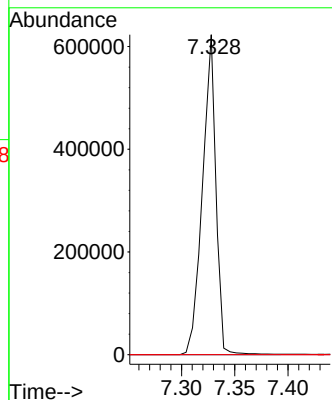
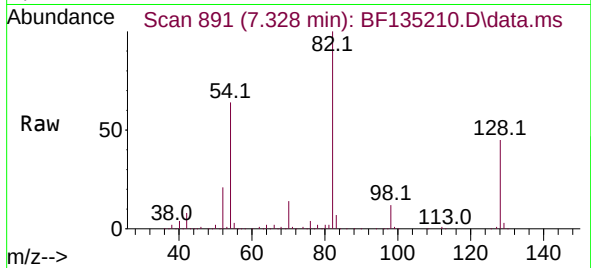




#25
Isophorone
Concen: 38.565 ng
RT: 7.328 min Scan# 891
Delta R.T. -0.264 min
Lab File: BF135210.D
Acq: 13 Sep 2023 07:07

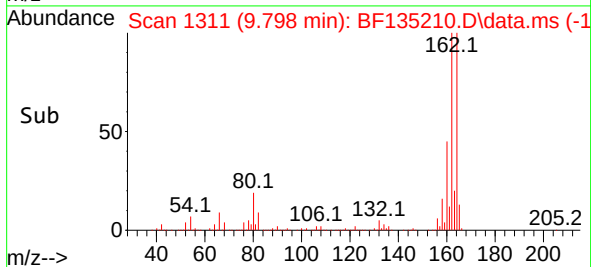
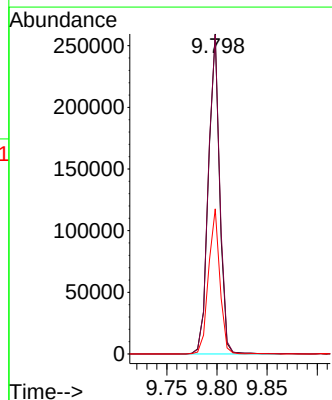
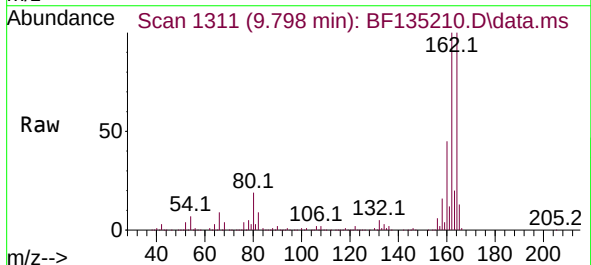
Instrument :
BNA_F
ClientSampleId :
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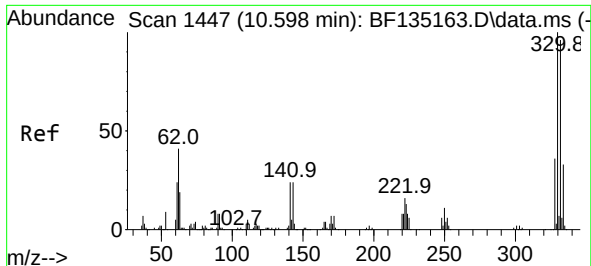
Tgt Ion: 82 Resp: 551581
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.798 min Scan# 1311
Delta R.T. -0.006 min
Lab File: BF135210.D
Acq: 13 Sep 2023 07:07

Tgt Ion:164 Resp: 202665
Ion Ratio Lower Upper
164 100
162 99.7 81.0 121.4
160 45.3 37.0 55.4

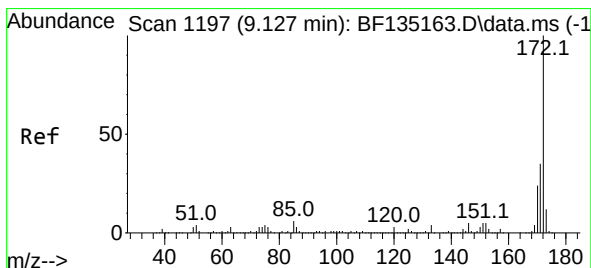
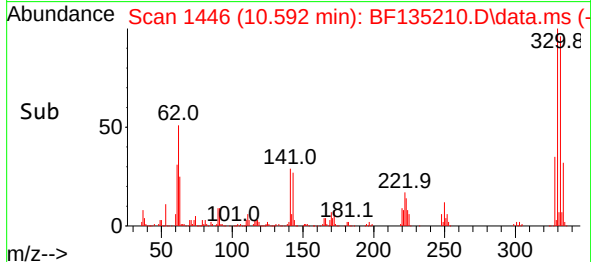
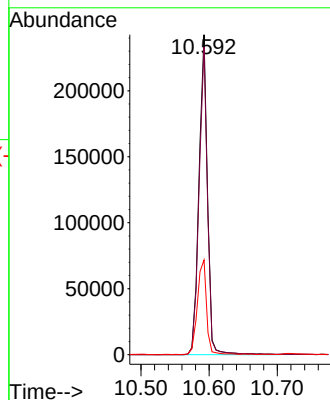
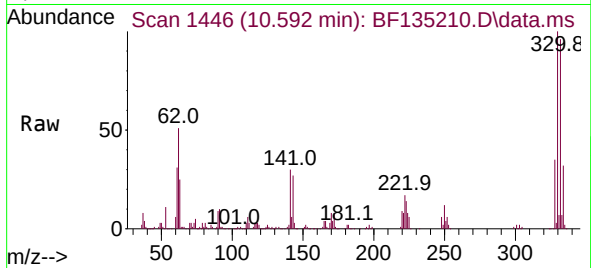




#42
2,4,6-Tribromophenol
Concen: 104.499 ng
RT: 10.592 min Scan# 1446
Delta R.T. -0.006 min
Lab File: BF135210.D
Acq: 13 Sep 2023 07:07

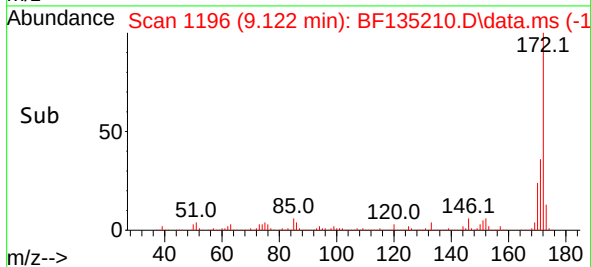
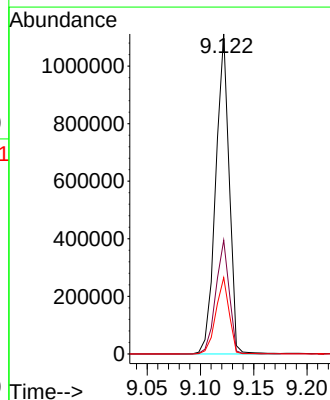
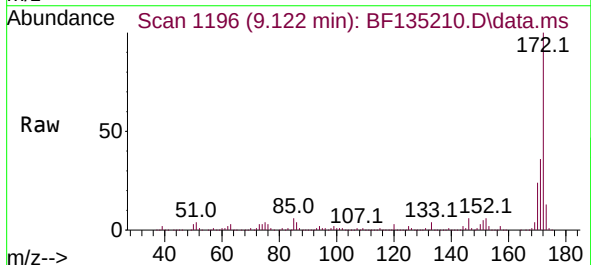
Instrument :
BNA_F
ClientSampleId :
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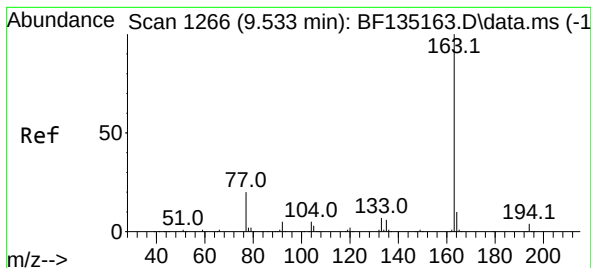
Tgt Ion: 330 Resp: 210460
Ion Ratio Lower Upper
330 100
332 95.1 77.3 115.9
141 32.0 25.8 38.8



#45
2-Fluorobiphenyl
Concen: 72.462 ng
RT: 9.122 min Scan# 1196
Delta R.T. -0.006 min
Lab File: BF135210.D
Acq: 13 Sep 2023 07:07

Tgt Ion: 172 Resp: 973378
Ion Ratio Lower Upper
172 100
171 35.6 28.4 42.6
170 23.9 19.0 28.4





#50

Dimethylphthalate

Concen: 2.976 ng

RT: 9.798 min Scan# 1311

Delta R.T. 0.265 min

Lab File: BF135210.D

Acq: 13 Sep 2023 07:07

Instrument :

BNA_F

ClientSampleId :

359

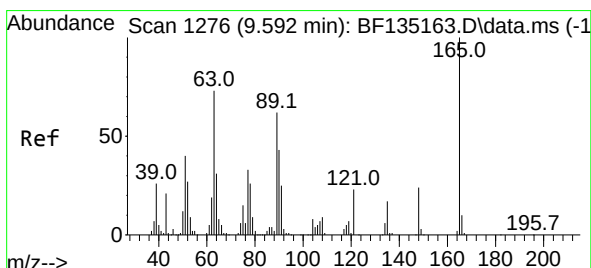
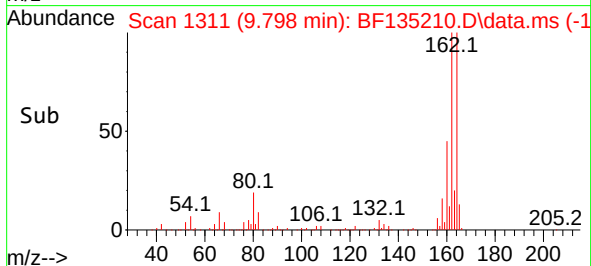
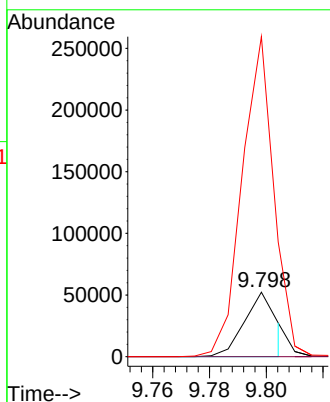
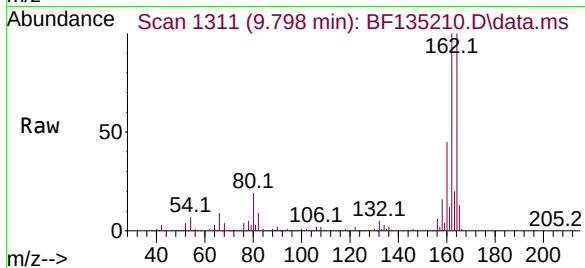
Tgt Ion:163 Resp: 40772

Ion Ratio Lower Upper

163 100

194 0.0 3.1 4.7#

164 496.9 8.1 12.1#



#51

2,6-Dinitrotoluene

Concen: 9.106 ng

RT: 9.798 min Scan# 1311

Delta R.T. 0.206 min

Lab File: BF135210.D

Acq: 13 Sep 2023 07:07

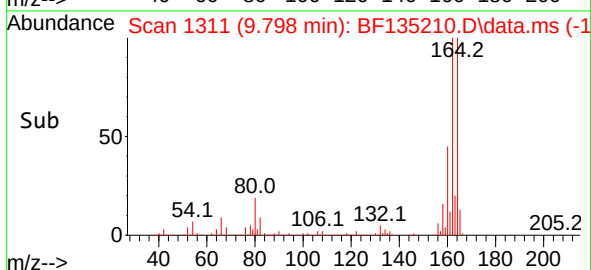
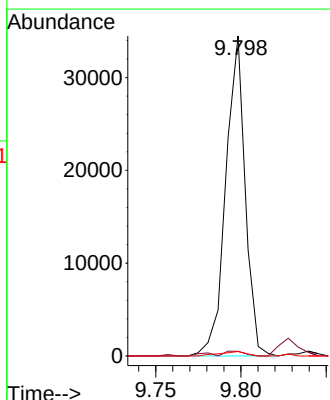
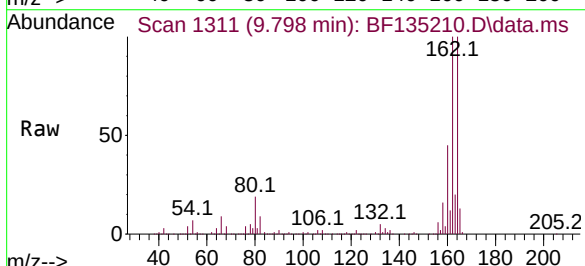
Tgt Ion:165 Resp: 27334

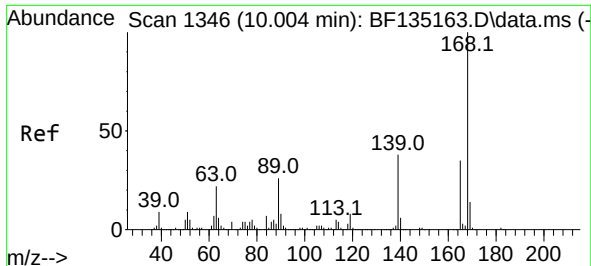
Ion Ratio Lower Upper

165 100

63 1.4 59.4 89.2#

89 1.4 49.8 74.8#

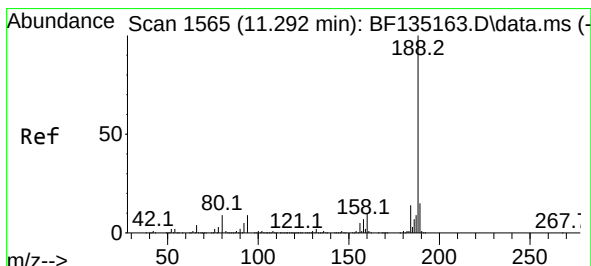
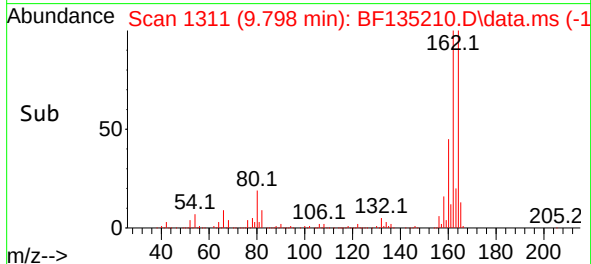
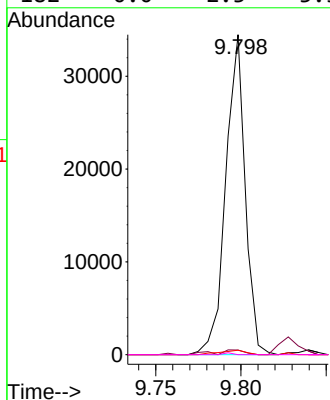
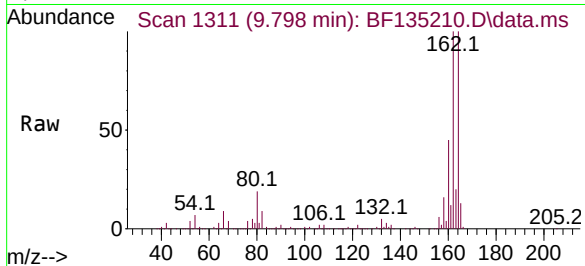




#57
2,4-Dinitrotoluene
Concen: 7.274 ng
RT: 9.798 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF135210.D
Acq: 13 Sep 2023 07:07

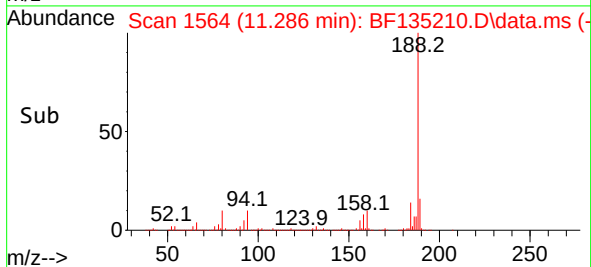
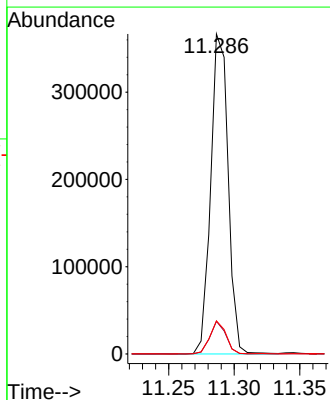
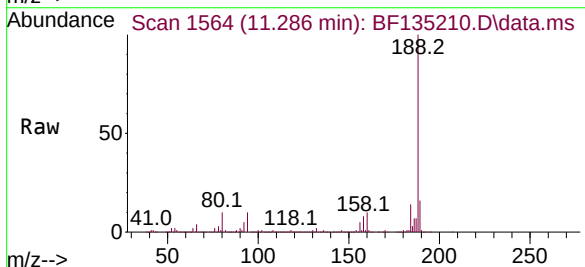
Instrument :
BNA_F
ClientSampleId :
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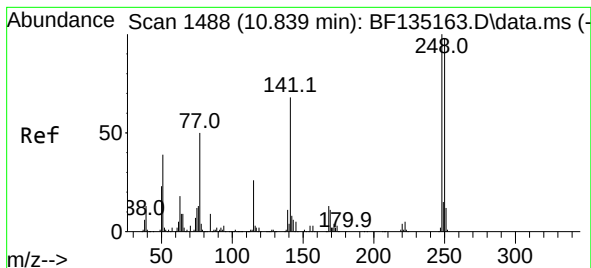
Tgt Ion:165 Resp: 27334
Ion Ratio Lower Upper
165 100
63 1.4 50.1 75.1#
89 1.4 59.3 88.9#
182 0.0 2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.286 min Scan# 1564
Delta R.T. -0.006 min
Lab File: BF135210.D
Acq: 13 Sep 2023 07:07

Tgt Ion:188 Resp: 339503
Ion Ratio Lower Upper
188 100
94 10.2 7.0 10.6
80 10.4 7.5 11.3

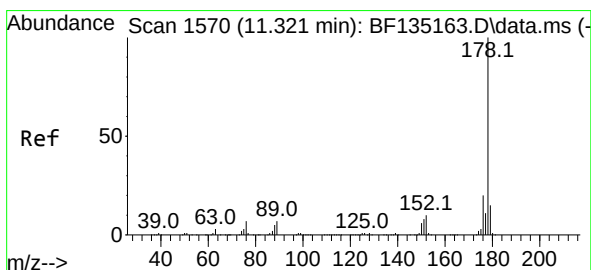
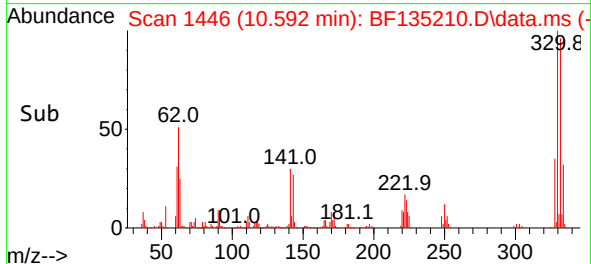
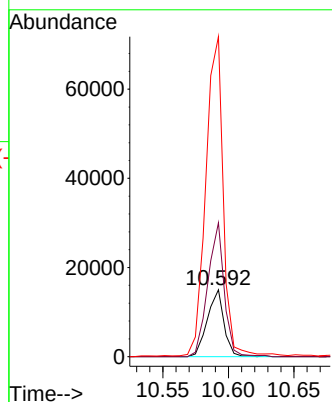
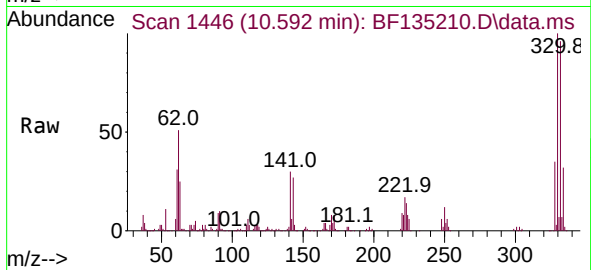




#67
4-Bromophenyl-phenylether
Concen: 3.944 ng
RT: 10.592 min Scan# 1488
Delta R.T. -0.247 min
Lab File: BF135210.D
Acq: 13 Sep 2023 07:07

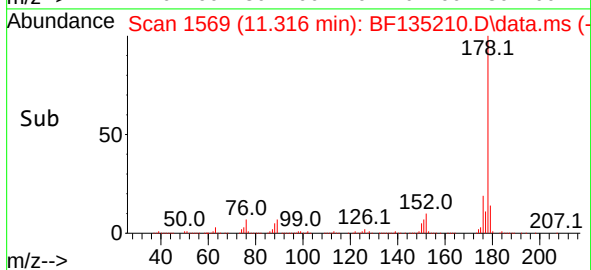
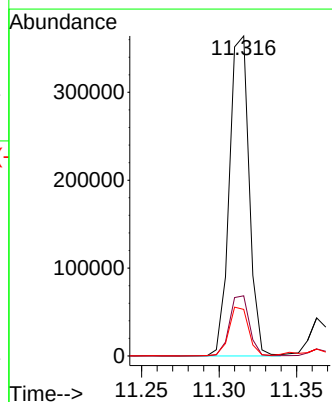
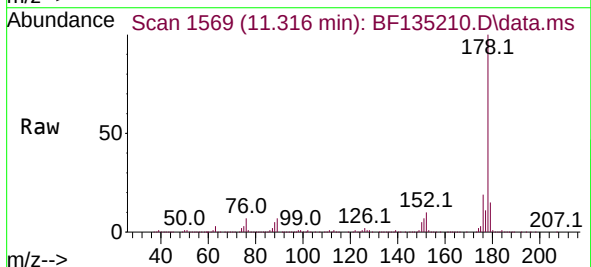
Instrument :
BNA_F
ClientSampleId :
359

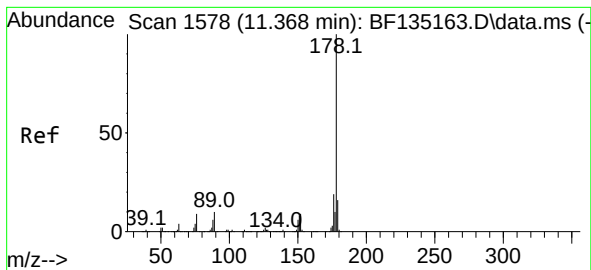
Tgt Ion:248 Resp: 13319
Ion Ratio Lower Upper
248 100
250 200.4 78.6 117.8#
141 478.9 54.2 81.2#



#71
Phenanthrene
Concen: 20.133 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF135210.D
Acq: 13 Sep 2023 07:07

Tgt Ion:178 Resp: 323273
Ion Ratio Lower Upper
178 100
176 18.8 15.6 23.4
179 14.6 12.0 18.0





#72

Anthracene

Concen: 2.188 ng

RT: 11.363 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135210.D

Acq: 13 Sep 2023 07:07

Instrument :

BNA_F

ClientSampleId :

359

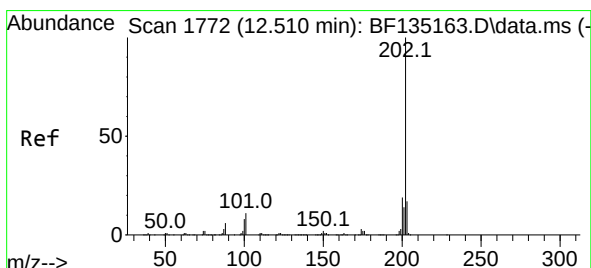
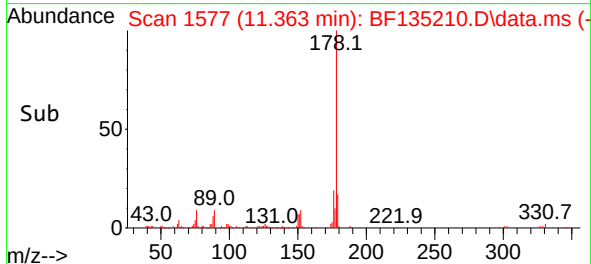
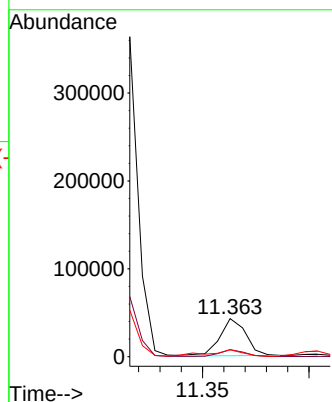
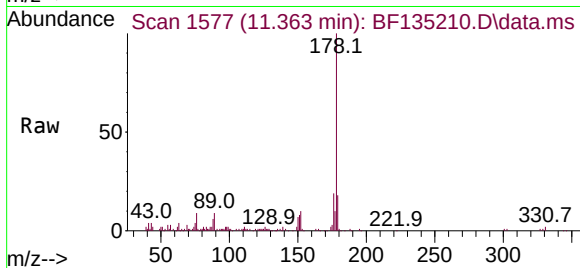
Tgt Ion:178 Resp: 36108

Ion Ratio Lower Upper

178 100

176 18.7 15.4 23.2

179 18.1 12.6 19.0



#75

Fluoranthene

Concen: 22.963 ng

RT: 12.510 min Scan# 1772

Delta R.T. 0.000 min

Lab File: BF135210.D

Acq: 13 Sep 2023 07:07

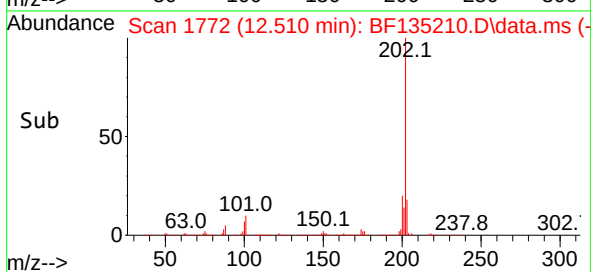
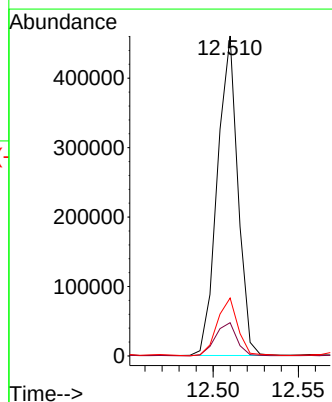
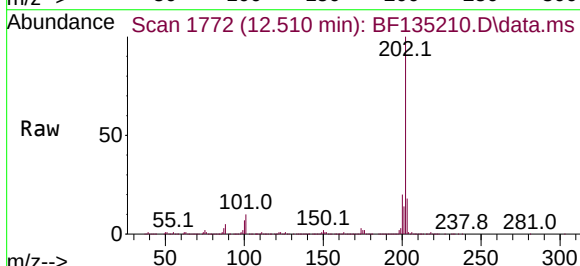
Tgt Ion:202 Resp: 384204

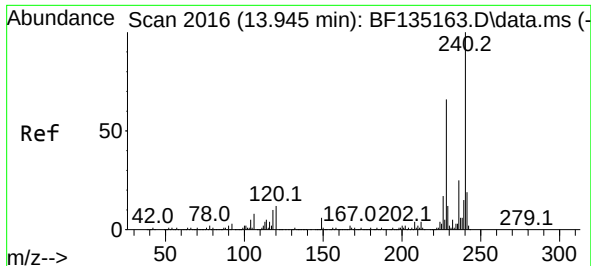
Ion Ratio Lower Upper

202 100

101 10.4 0.0 31.3

203 18.1 0.0 37.4

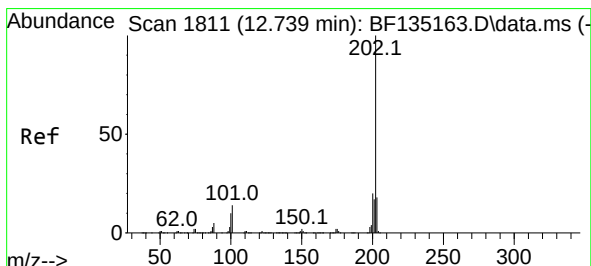
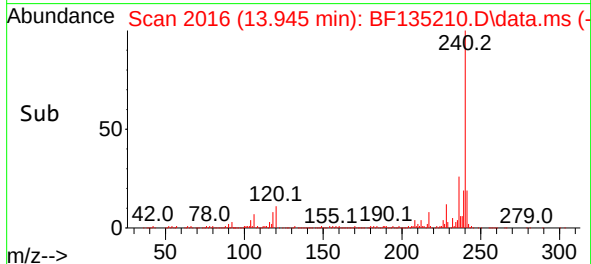
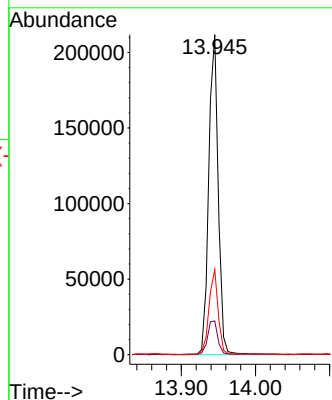
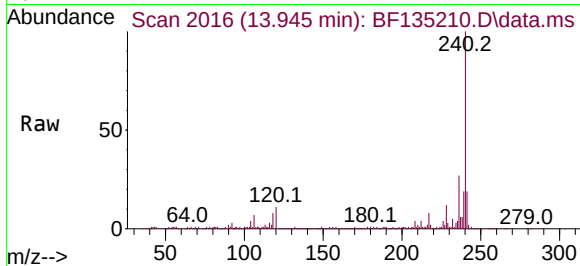




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.945 min Scan# 2016
Delta R.T. 0.000 min
Lab File: BF135210.D
Acq: 13 Sep 2023 07:07

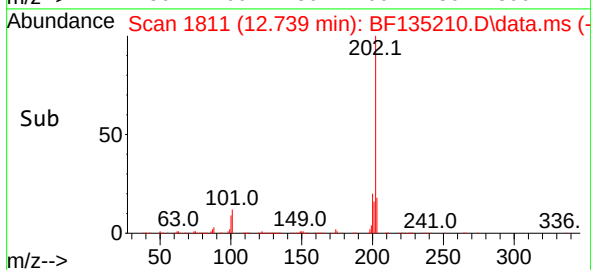
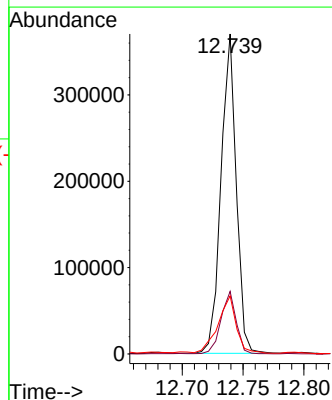
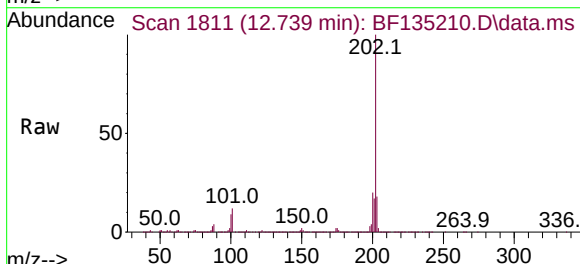
Instrument :
BNA_F
ClientSampleId :
359

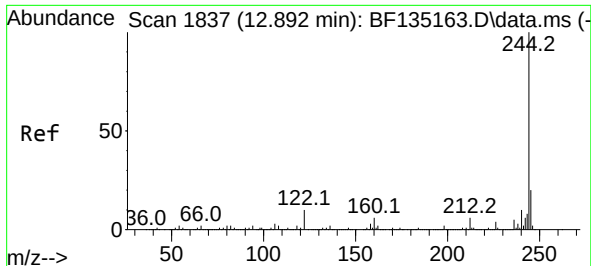
Tgt Ion:240 Resp: 189181
Ion Ratio Lower Upper
240 100
120 10.6 9.4 14.2
236 26.6 19.8 29.8



#78
Pyrene
Concen: 17.907 ng
RT: 12.739 min Scan# 1811
Delta R.T. 0.000 min
Lab File: BF135210.D
Acq: 13 Sep 2023 07:07

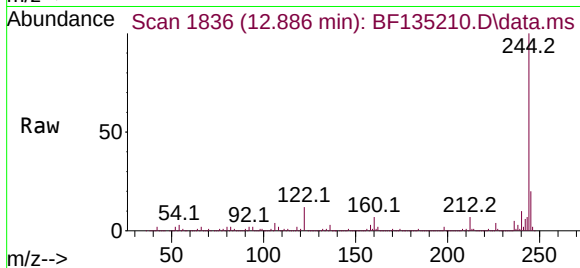
Tgt Ion:202 Resp: 322534
Ion Ratio Lower Upper
202 100
200 19.6 16.2 24.2
203 18.2 14.2 21.4



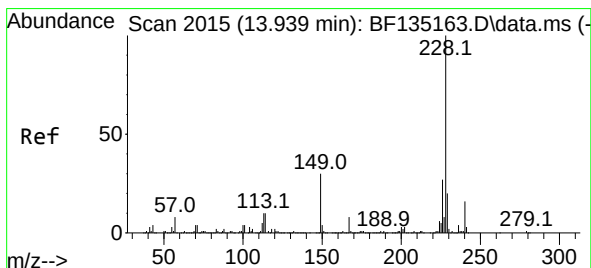
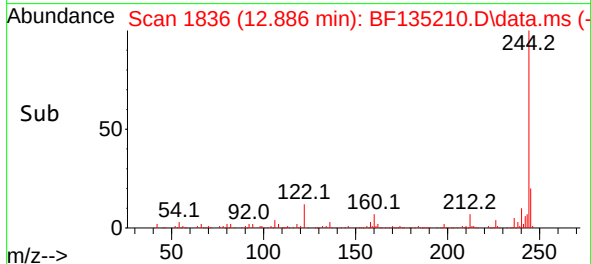
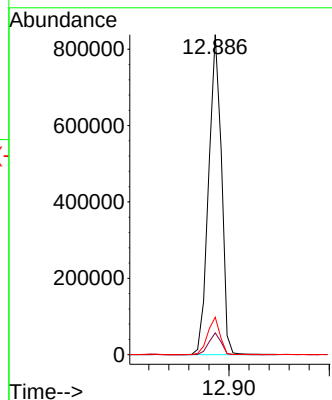


#79
 Terphenyl-d14
 Concen: 61.043 ng
 RT: 12.886 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF135210.D
 Acq: 13 Sep 2023 07:07

Instrument :
 BNA_F
 ClientSampleId :
 359

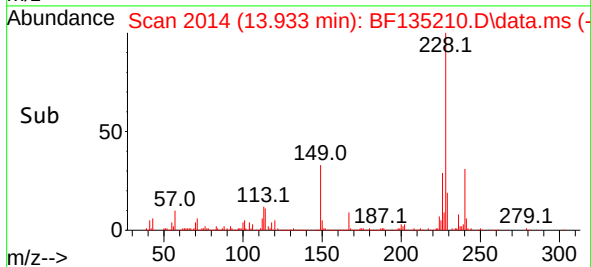
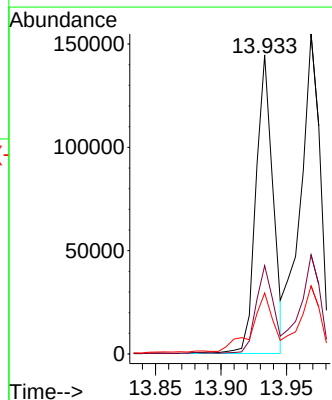
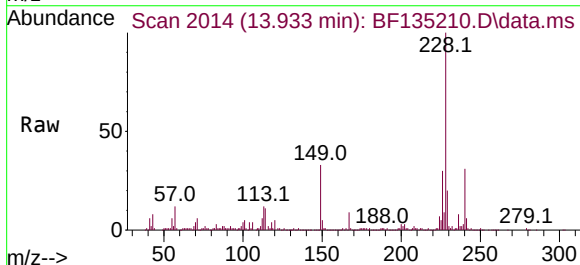


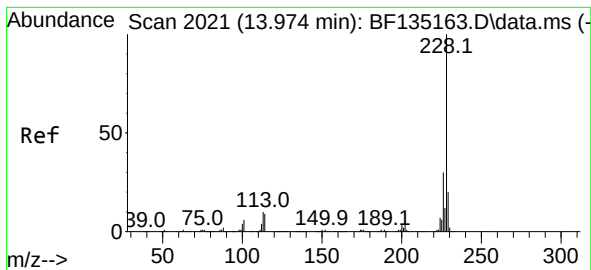
Tgt Ion:244 Resp: 744951
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.1 7.7
 122 11.7 7.9 11.9



#81
 Benzo(a)anthracene
 Concen: 10.681 ng
 RT: 13.933 min Scan# 2014
 Delta R.T. -0.006 min
 Lab File: BF135210.D
 Acq: 13 Sep 2023 07:07

Tgt Ion:228 Resp: 130483
 Ion Ratio Lower Upper
 228 100
 226 29.5 21.7 32.5
 229 20.4 15.8 23.8





#83

Chrysene

Concen: 12.447 ng

RT: 13.969 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF135210.D

Acq: 13 Sep 2023 07:07

Instrument :

BNA_F

ClientSampleId :

359

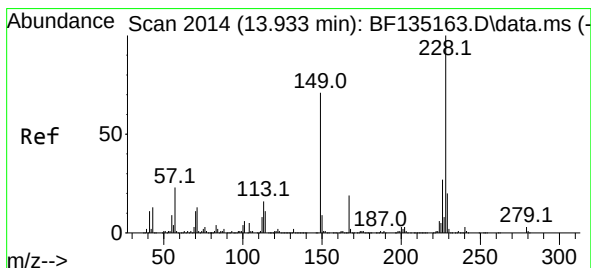
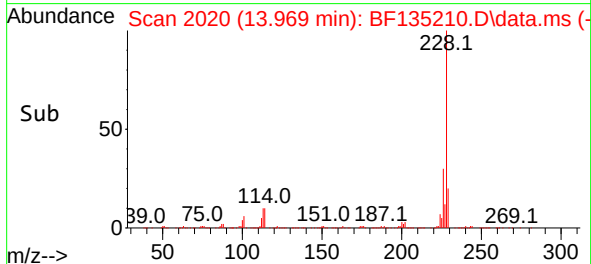
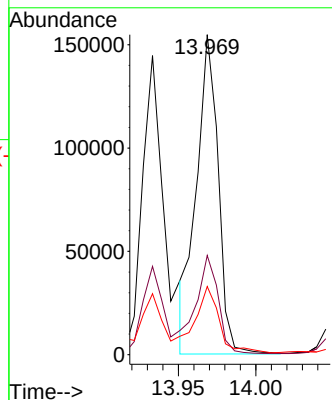
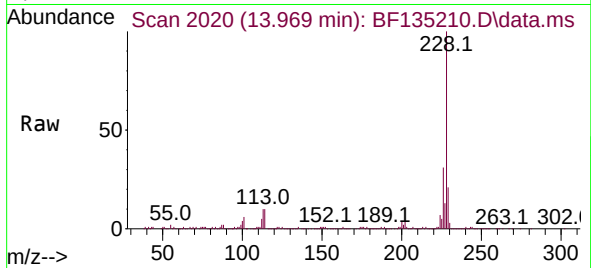
Tgt Ion:228 Resp: 151171

Ion Ratio Lower Upper

228 100

226 31.0 24.3 36.5

229 21.3 16.0 24.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 6.589 ng

RT: 13.933 min Scan# 2014

Delta R.T. 0.000 min

Lab File: BF135210.D

Acq: 13 Sep 2023 07:07

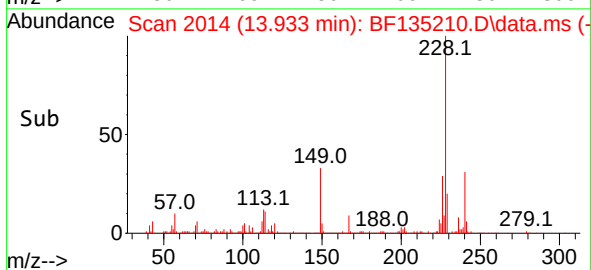
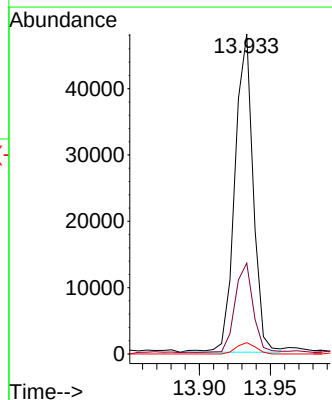
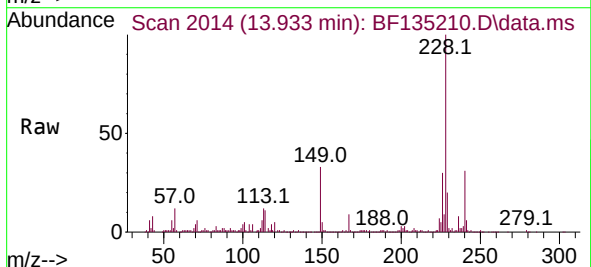
Tgt Ion:149 Resp: 42881

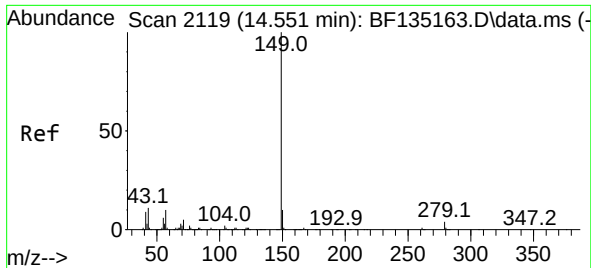
Ion Ratio Lower Upper

149 100

167 28.4 21.9 32.9

279 3.6 3.3 4.9

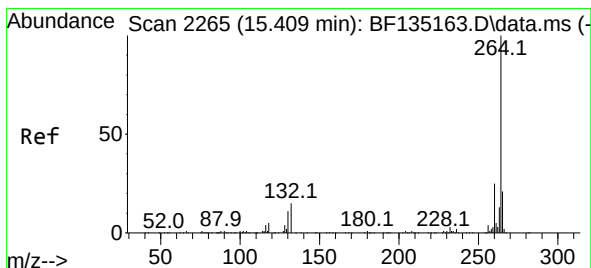
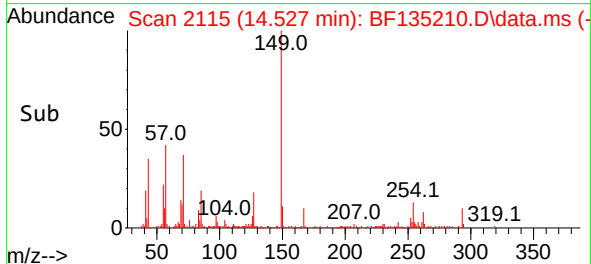
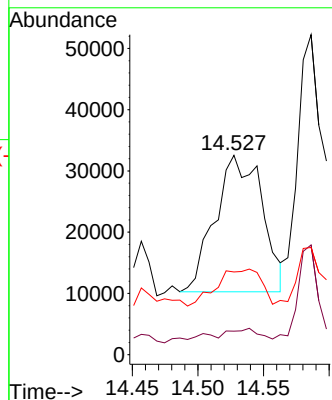
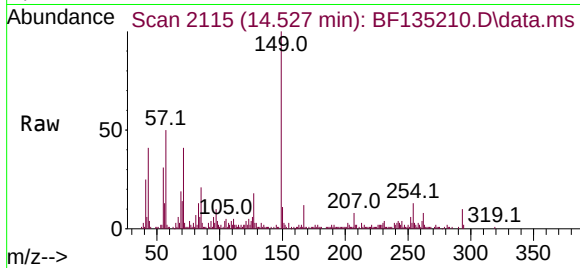




#85
Di-n-octyl phthalate
Concen: 5.374 ng
RT: 14.527 min Scan# 2115
Delta R.T. -0.023 min
Lab File: BF135210.D
Acq: 13 Sep 2023 07:07

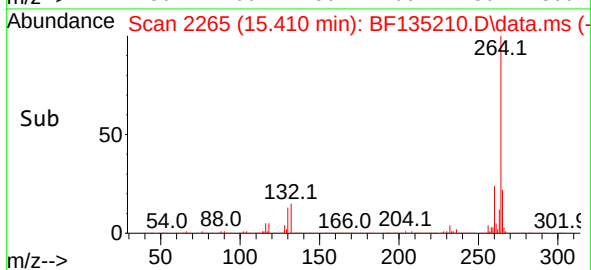
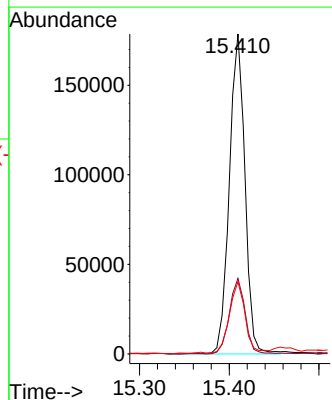
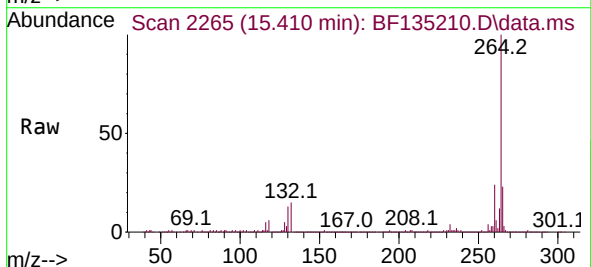
Instrument :
BNA_F
ClientSampleId :
359

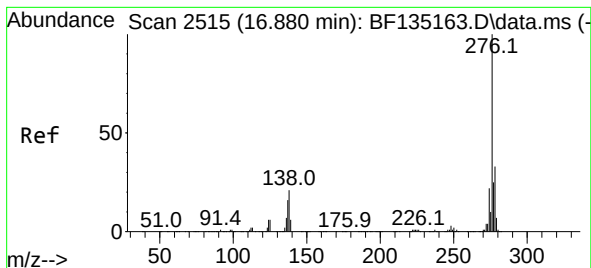
Tgt Ion:149 Resp: 55577
Ion Ratio Lower Upper
149 100
167 4.5 1.1 1.7#
43 25.5 9.8 14.6#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.410 min Scan# 2265
Delta R.T. 0.000 min
Lab File: BF135210.D
Acq: 13 Sep 2023 07:07

Tgt Ion:264 Resp: 215381
Ion Ratio Lower Upper
264 100
260 23.6 19.8 29.6
265 22.5 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.161 ng

RT: 16.880 min Scan# 2119

Delta R.T. 0.000 min

Lab File: BF135210.D

Acq: 13 Sep 2023 07:07

Instrument :

BNA_F

ClientSampleId :

359

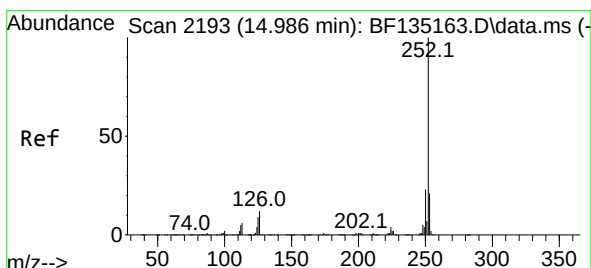
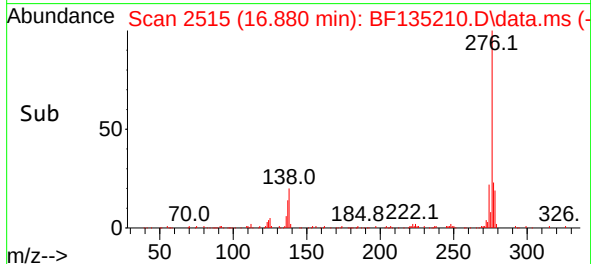
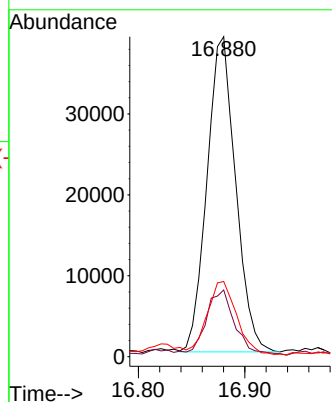
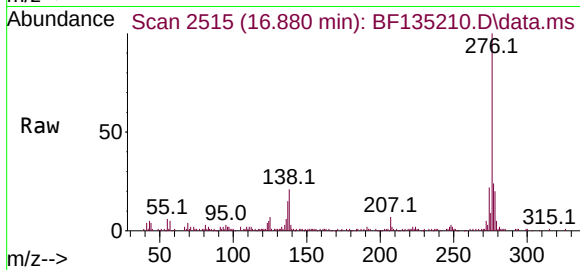
Tgt Ion:276 Resp: 72883

Ion Ratio Lower Upper

276 100

138 20.7 19.2 28.8

277 24.0 19.7 29.5



#88

Benzo(b)fluoranthene

Concen: 21.999 ng

RT: 14.980 min Scan# 2192

Delta R.T. -0.006 min

Lab File: BF135210.D

Acq: 13 Sep 2023 07:07

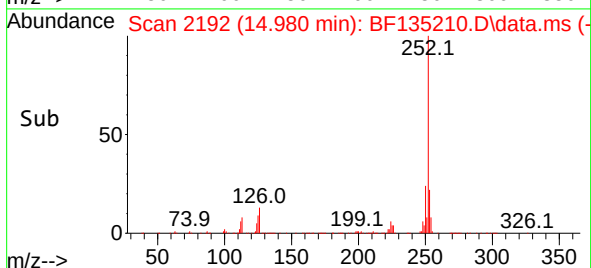
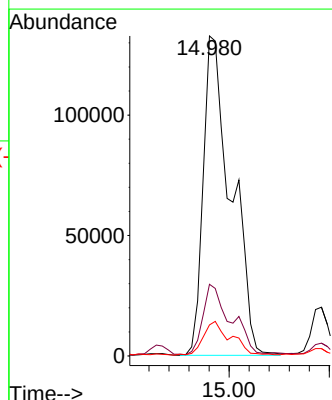
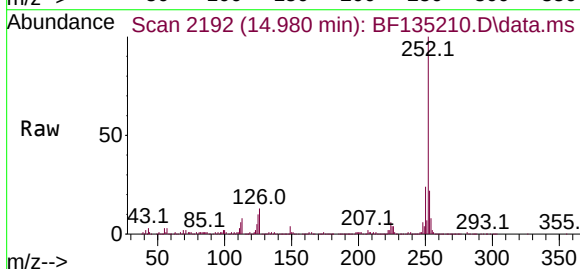
Tgt Ion:252 Resp: 256489

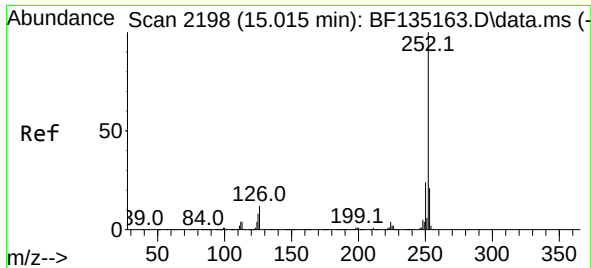
Ion Ratio Lower Upper

252 100

253 22.4 17.2 25.8

125 9.7 7.1 10.7

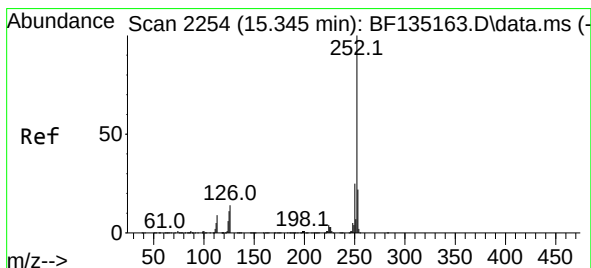
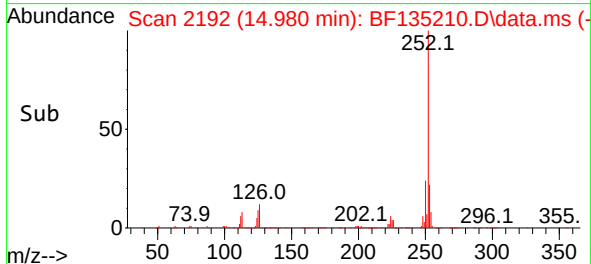
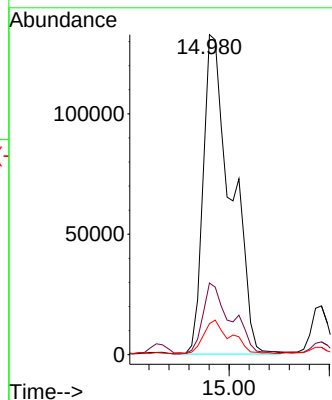
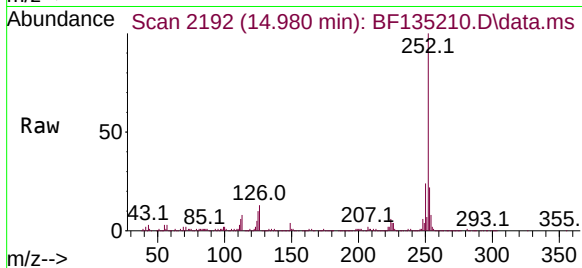




#89
Benzo(k)fluoranthene
Concen: 22.270 ng
RT: 14.980 min Scan# 2198
Delta R.T. -0.035 min
Lab File: BF135210.D
Acq: 13 Sep 2023 07:07

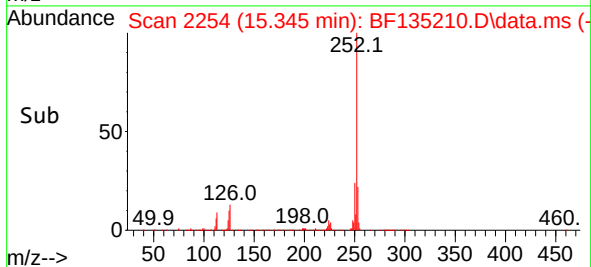
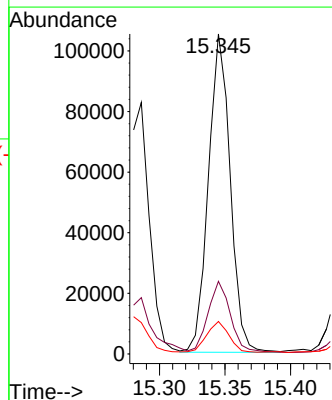
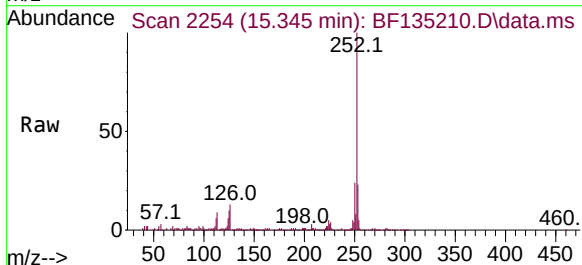
Instrument :
BNA_F
ClientSampleId :
359

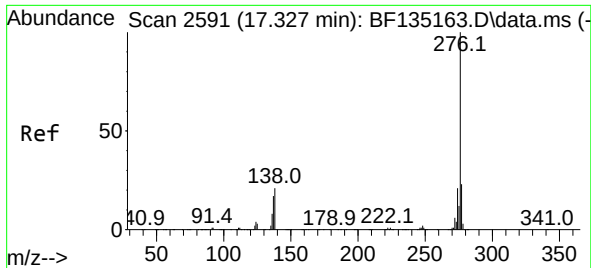
Tgt Ion:252 Resp: 256489
Ion Ratio Lower Upper
252 100
253 22.4 17.4 26.0
125 9.7 7.2 10.8



#90
Benzo(a)pyrene
Concen: 10.910 ng
RT: 15.345 min Scan# 2254
Delta R.T. 0.000 min
Lab File: BF135210.D
Acq: 13 Sep 2023 07:07

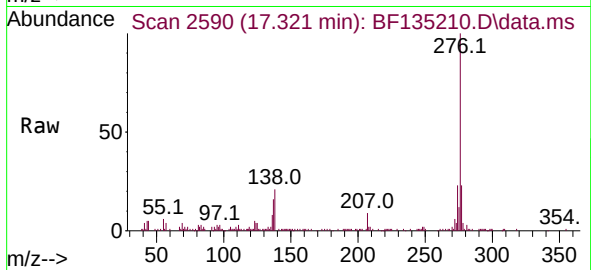
Tgt Ion:252 Resp: 121307
Ion Ratio Lower Upper
252 100
253 22.7 17.5 26.3
125 10.2 9.2 13.8





#92
 Benzo(g,h,i)perylene
 Concen: 5.767 ng
 RT: 17.321 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF135210.D
 Acq: 13 Sep 2023 07:07

Instrument :
 BNA_F
 ClientSampleId :
 359



Tgt Ion:276 Resp: 69597
 Ion Ratio Lower Upper
 276 100
 277 23.4 18.8 28.2
 138 21.4 16.9 25.3

