

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092023\
 Data File : BF135366.D
 Acq On : 20 Sep 2023 19:47
 Operator : CG\JU
 Sample : 04397-08
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B103-03

Quant Time: Sep 21 01:53:22 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)

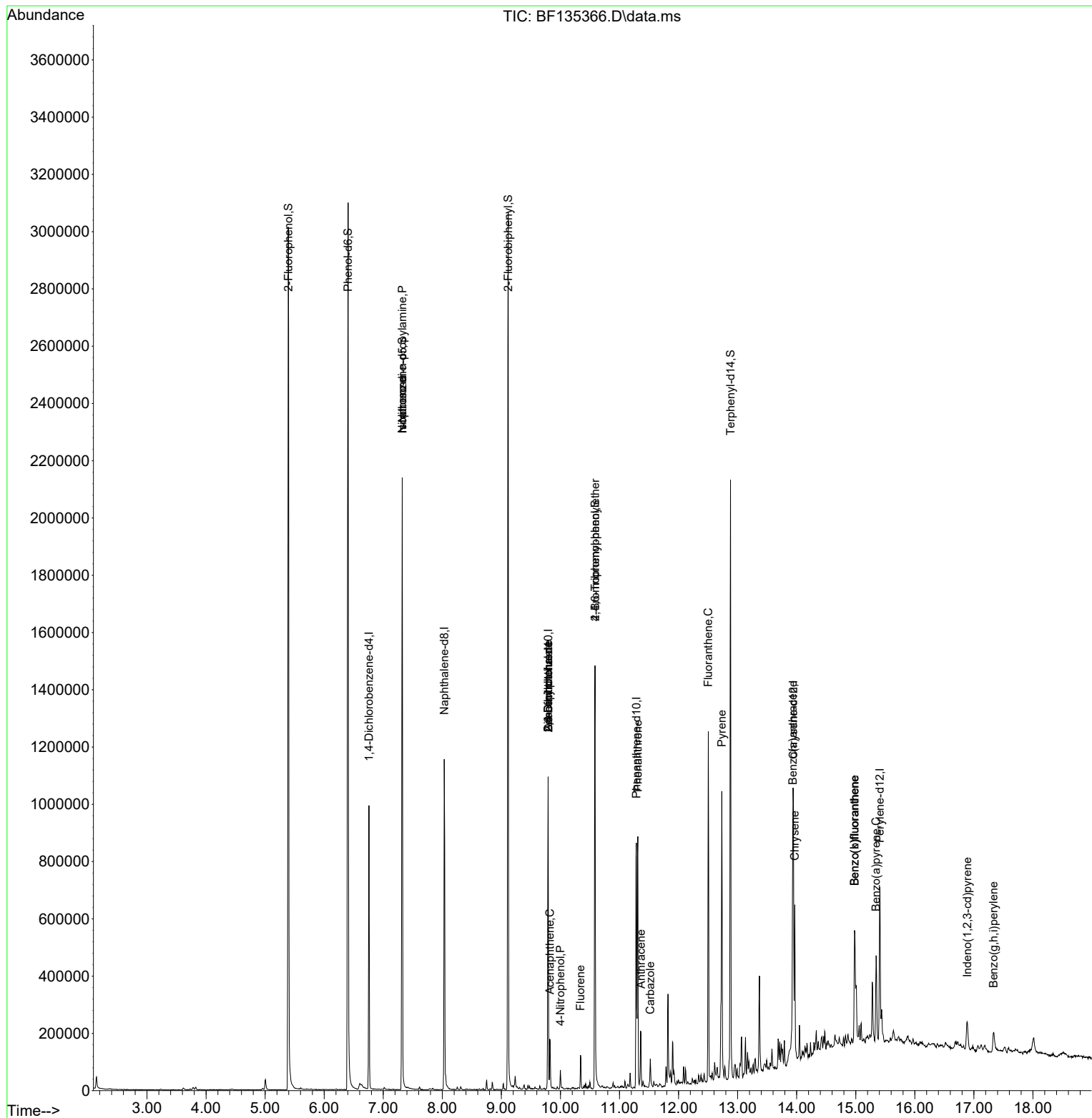
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.757	152	134742	20.000	ng	0.00
21) Naphthalene-d8	8.034	136	487615	20.000	ng	#-0.01
39) Acenaphthene-d10	9.792	164	211171	20.000	ng	-0.01
64) Phenanthrene-d10	11.286	188	324555	20.000	ng	0.00
76) Chrysene-d12	13.945	240	245296	20.000	ng	0.00
86) Perylene-d12	15.410	264	249104	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	870239	105.045	ng	0.00
7) Phenol-d6	6.404	99	1076193	102.162	ng	0.00
23) Nitrobenzene-d5	7.322	82	653806	72.846	ng	-0.01
42) 2,4,6-Tribromophenol	10.586	330	173621	82.735	ng	-0.01
45) 2-Fluorobiphenyl	9.116	172	971493	69.409	ng	-0.01
79) Terphenyl-d14	12.880	244	709020	44.808	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.322	70	86855	13.311	ng	# 77
25) Isophorone	7.322	82	653797	39.670	ng	# 65
50) Dimethylphthalate	9.792	163	41572	2.912	ng	# 1
51) 2,6-Dinitrotoluene	9.792	165	27358	8.747	ng	# 17
52) Acenaphthene	9.822	154	34827	3.013	ng	99
56) 4-Nitrophenol	9.998	139	8522	3.652	ng	# 5
57) 2,4-Dinitrotoluene	9.792	165	27358	6.987	ng	# 19
58) Fluorene	10.339	166	32827	2.421	ng	97
67) 4-Bromophenyl-phenylether	10.586	248	11220	3.476	ng	# 1
71) Phenanthrene	11.310	178	330803	21.551	ng	100
72) Anthracene	11.363	178	78455	4.972	ng	97
73) Carbazole	11.522	167	41061	2.859	ng	99
75) Fluoranthene	12.504	202	475047	29.700	ng	98
78) Pyrene	12.733	202	400478	17.148	ng	99
81) Benzo(a)anthracene	13.933	228	217887	13.756	ng	100
83) Chrysene	13.969	228	207050	13.148	ng	97
87) Indeno(1,2,3-cd)pyrene	16.886	276	66415	4.066	ng	98
88) Benzo(b)fluoranthene	14.980	252	295598	21.921	ng	# 96
89) Benzo(k)fluoranthene	14.980	252	295598	22.191	ng	# 97
90) Benzo(a)pyrene	15.345	252	138765	10.791	ng	# 96
92) Benzo(g,h,i)perylene	17.333	276	60997	4.370	ng	# 94

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

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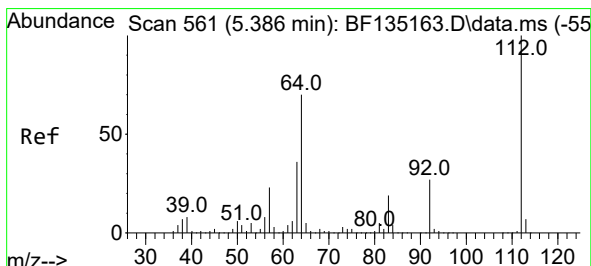
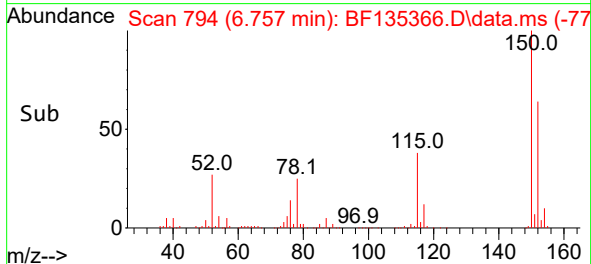
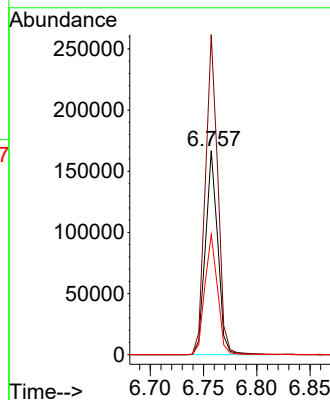
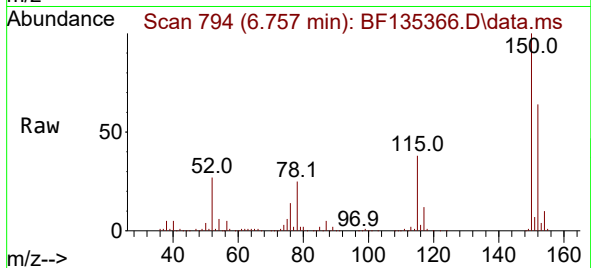




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.757 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF135366.D
Acq: 20 Sep 2023 19:47

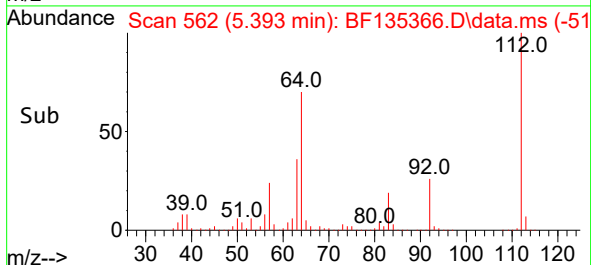
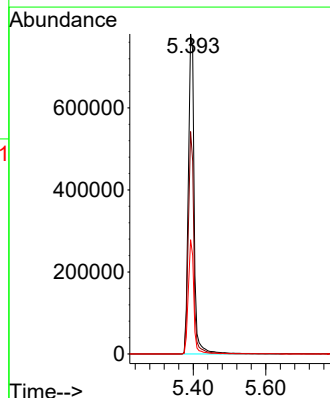
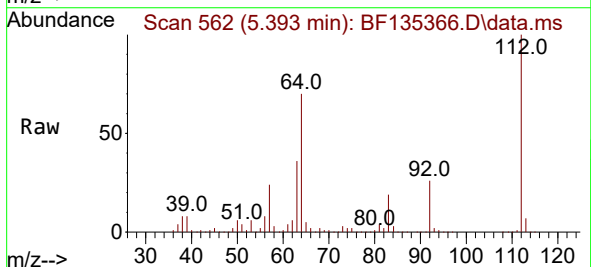
Instrument :
BNA_F
ClientSampleId :
B103-03

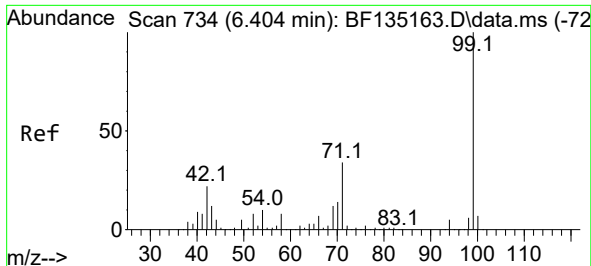
Tgt Ion:152 Resp: 134742
Ion Ratio Lower Upper
152 100
150 156.8 127.8 191.6
115 59.0 49.8 74.8



#5
2-Fluorophenol
Concen: 105.045 ng
RT: 5.393 min Scan# 562
Delta R.T. 0.006 min
Lab File: BF135366.D
Acq: 20 Sep 2023 19:47

Tgt Ion:112 Resp: 870239
Ion Ratio Lower Upper
112 100
64 69.5 55.9 83.9
63 35.7 29.0 43.6





#7

Phenol-d6

Concen: 102.162 ng

RT: 6.404 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF135366.D

Acq: 20 Sep 2023 19:47

Instrument :

BNA_F

ClientSampleId :

B103-03

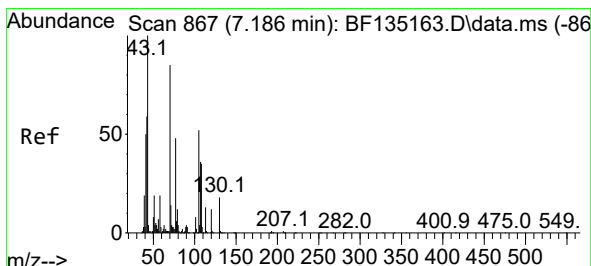
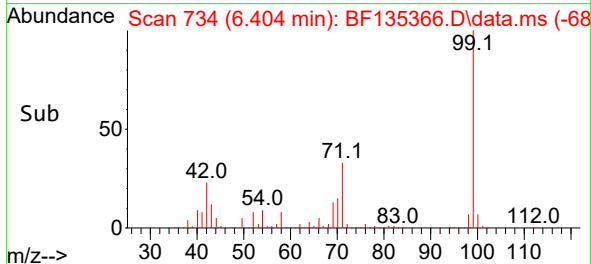
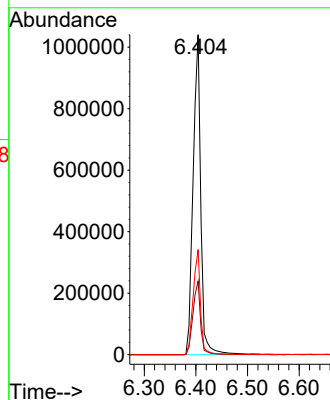
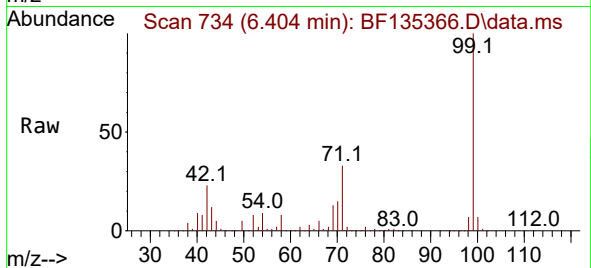
Tgt Ion: 99 Resp: 1076193

Ion Ratio Lower Upper

99 100

42 23.0 17.9 26.9

71 32.9 27.0 40.6



#19

n-Nitroso-di-n-propylamine

Concen: 13.311 ng

RT: 7.322 min Scan# 890

Delta R.T. 0.135 min

Lab File: BF135366.D

Acq: 20 Sep 2023 19:47

Tgt Ion: 70 Resp: 86855

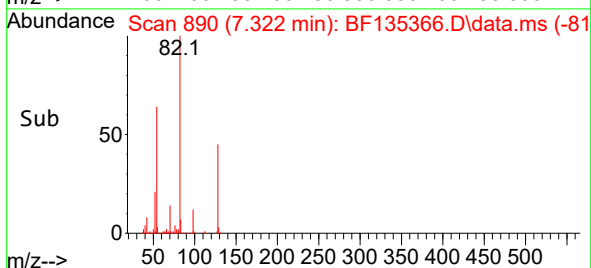
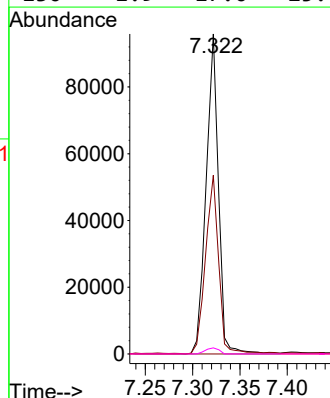
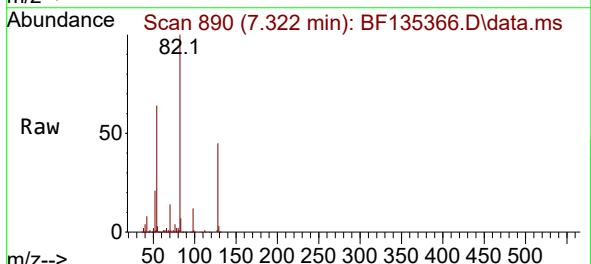
Ion Ratio Lower Upper

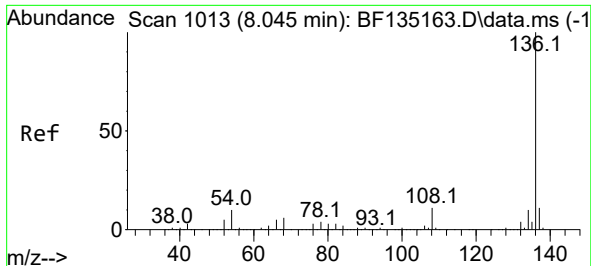
70 100

42 55.8 55.4 83.0

101 0.0 7.7 11.5#

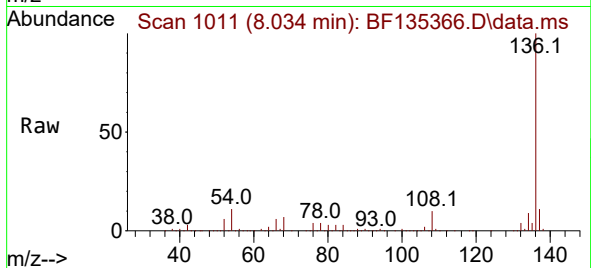
130 1.9 17.0 25.6#



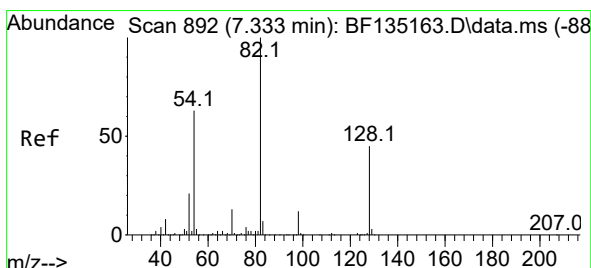
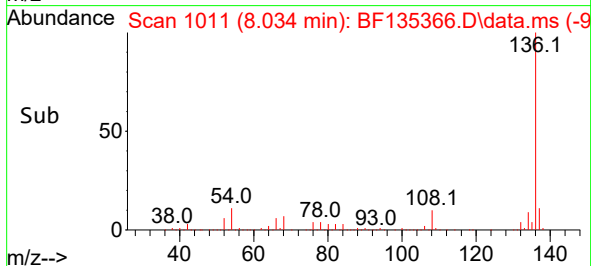
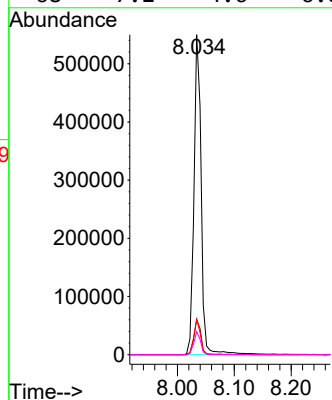


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.034 min Scan# 1013
Delta R.T. -0.012 min
Lab File: BF135366.D
Acq: 20 Sep 2023 19:47

Instrument :
BNA_F
ClientSampleId :
B103-03

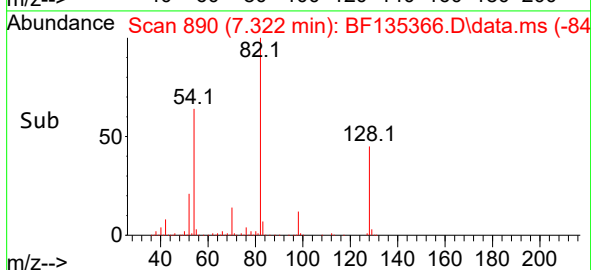
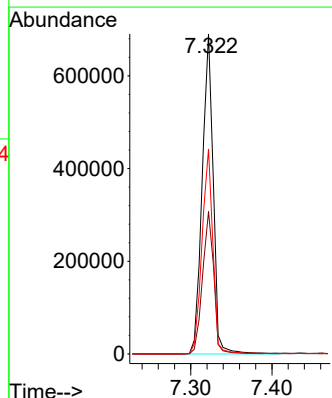
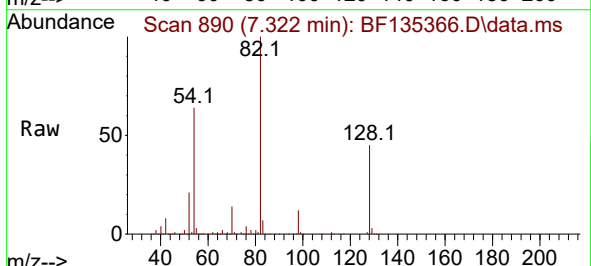


Tgt Ion:136 Resp: 487615
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 11.2 7.7 11.5
68 7.2 4.6 6.8#



#23
Nitrobenzene-d5
Concen: 72.846 ng
RT: 7.322 min Scan# 890
Delta R.T. -0.012 min
Lab File: BF135366.D
Acq: 20 Sep 2023 19:47

Tgt Ion: 82 Resp: 653806
Ion Ratio Lower Upper
82 100
128 44.5 35.8 53.6
54 64.0 50.6 76.0

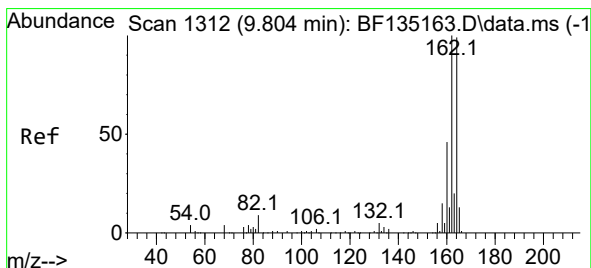
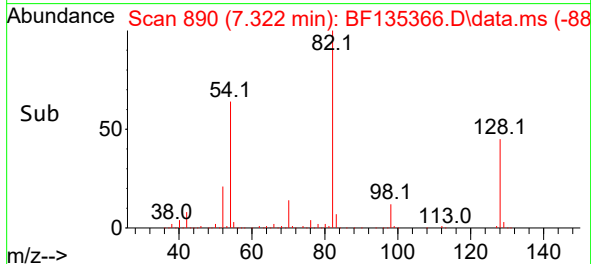
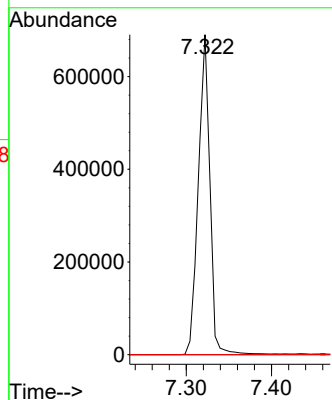
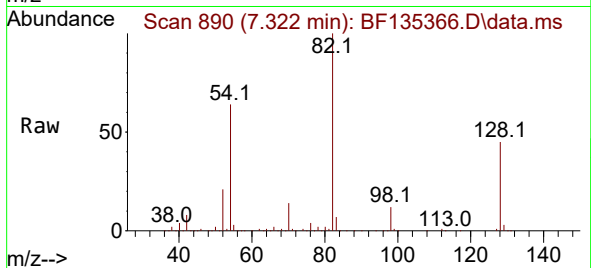




#25
Isophorone
Concen: 39.670 ng
RT: 7.322 min Scan# 89
Delta R.T. -0.270 min
Lab File: BF135366.D
Acq: 20 Sep 2023 19:47

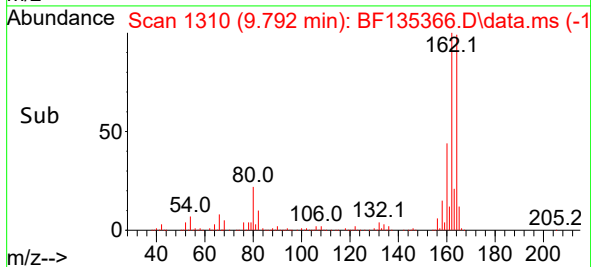
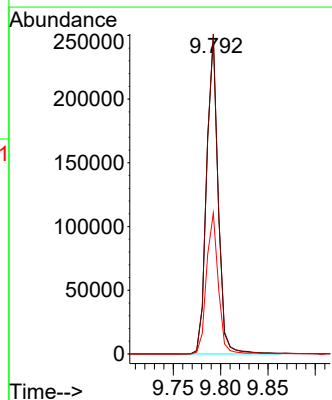
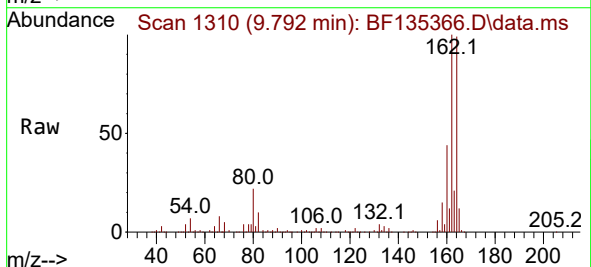
Instrument :
BNA_F
ClientSampleId :
B103-03

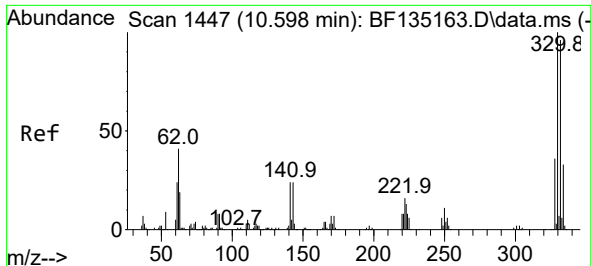
Tgt Ion: 82 Resp: 653797
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.792 min Scan# 1310
Delta R.T. -0.012 min
Lab File: BF135366.D
Acq: 20 Sep 2023 19:47

Tgt Ion: 164 Resp: 211171
Ion Ratio Lower Upper
164 100
162 101.1 81.0 121.4
160 44.5 37.0 55.4

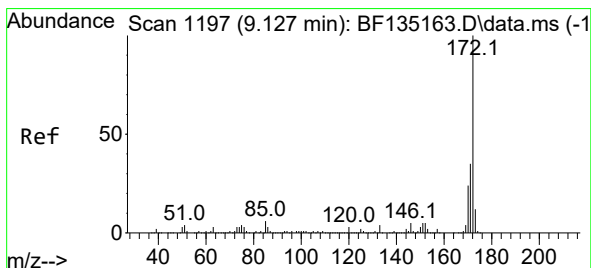
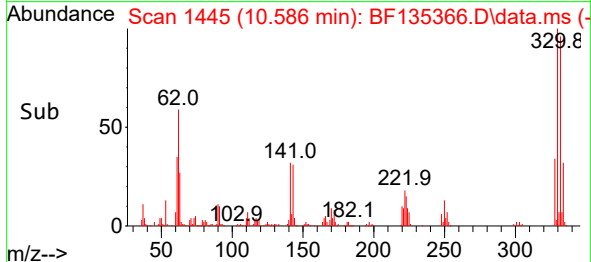
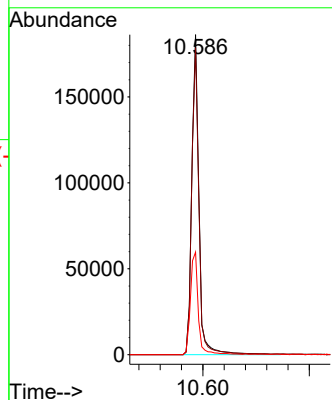
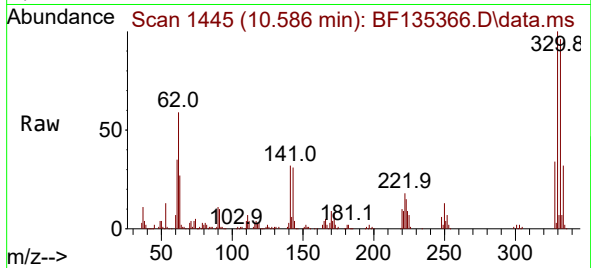




#42
2,4,6-Tribromophenol
Concen: 82.735 ng
RT: 10.586 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF135366.D
Acq: 20 Sep 2023 19:47

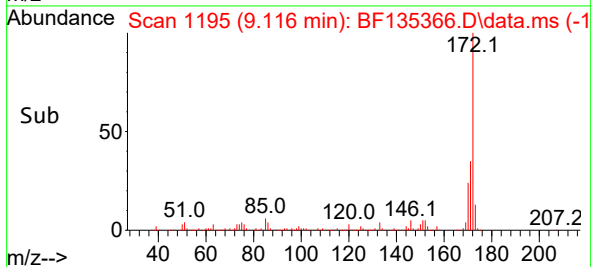
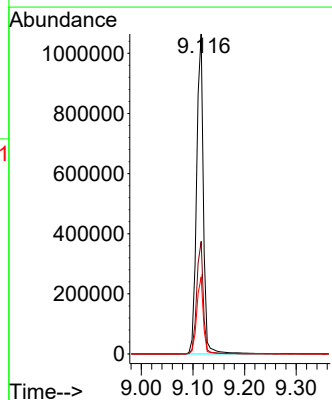
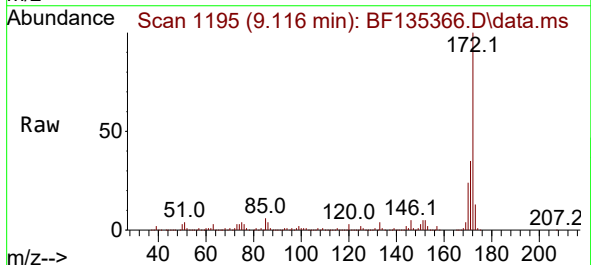
Instrument :
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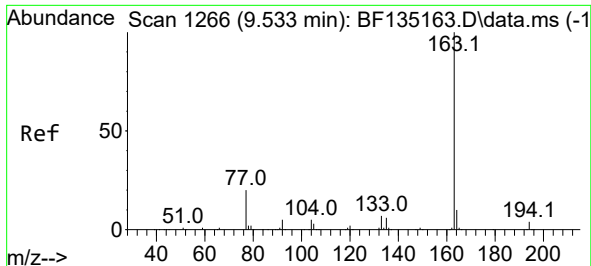
Tgt Ion:330 Resp: 173621
Ion Ratio Lower Upper
330 100
332 96.1 77.3 115.9
141 35.1 25.8 38.8



#45
2-Fluorobiphenyl
Concen: 69.409 ng
RT: 9.116 min Scan# 1195
Delta R.T. -0.012 min
Lab File: BF135366.D
Acq: 20 Sep 2023 19:47

Tgt Ion:172 Resp: 971493
Ion Ratio Lower Upper
172 100
171 35.2 28.4 42.6
170 24.0 19.0 28.4

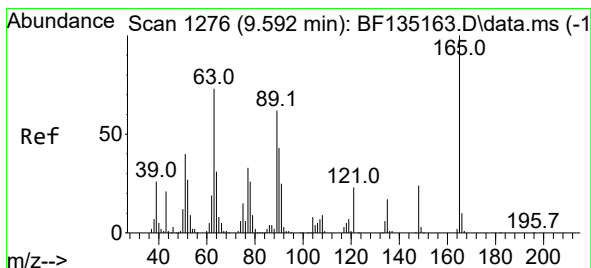
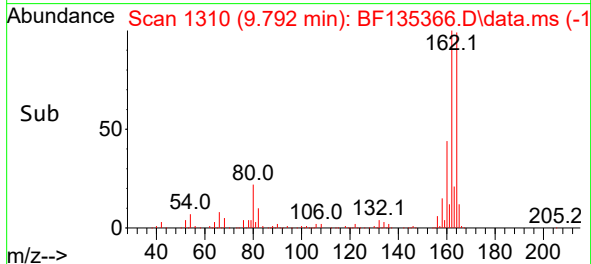
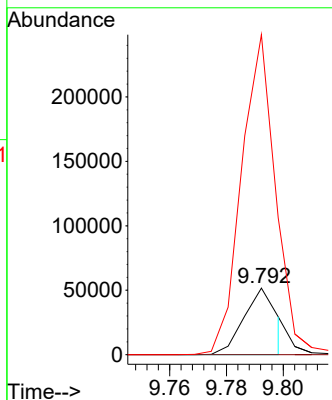
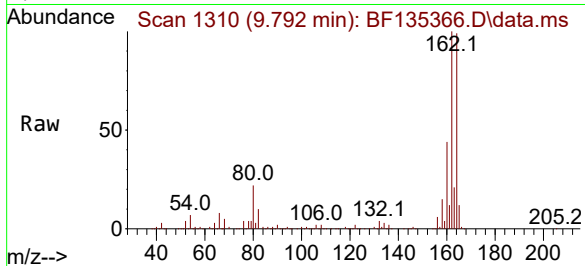




#50
Dimethylphthalate
Concen: 2.912 ng
RT: 9.792 min Scan# 1310
Delta R.T. 0.259 min
Lab File: BF135366.D
Acq: 20 Sep 2023 19:47

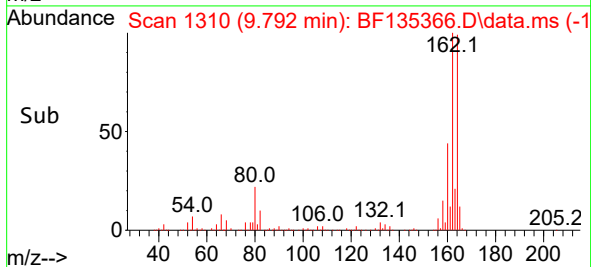
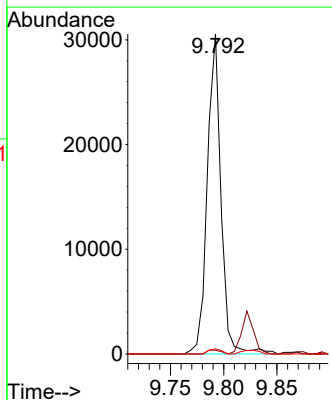
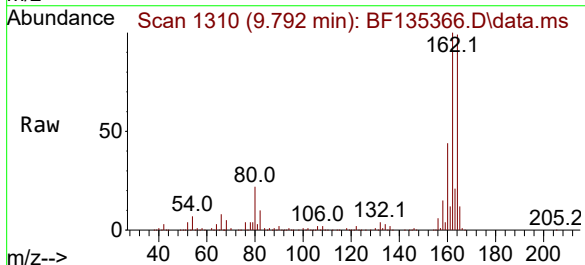
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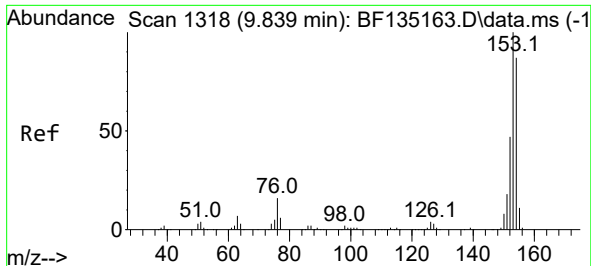
Tgt Ion:163 Resp: 41572
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 481.2 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 8.747 ng
RT: 9.792 min Scan# 1310
Delta R.T. 0.200 min
Lab File: BF135366.D
Acq: 20 Sep 2023 19:47

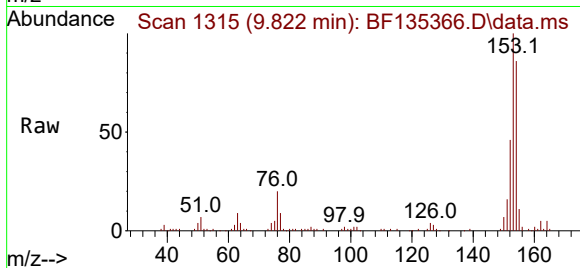
Tgt Ion:165 Resp: 27358
Ion Ratio Lower Upper
165 100
63 1.2 59.4 89.2#
89 1.6 49.8 74.8#



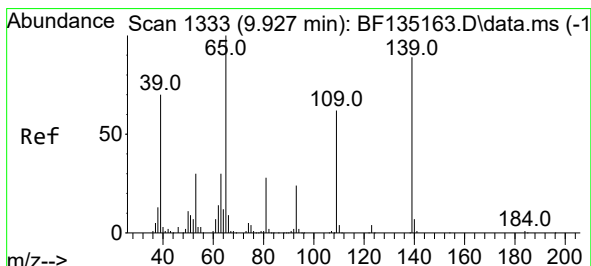
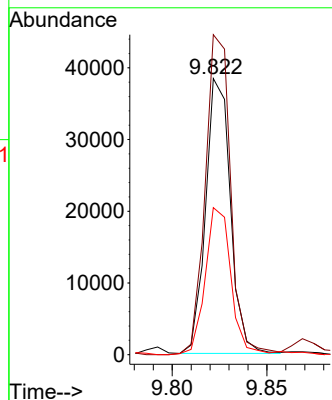
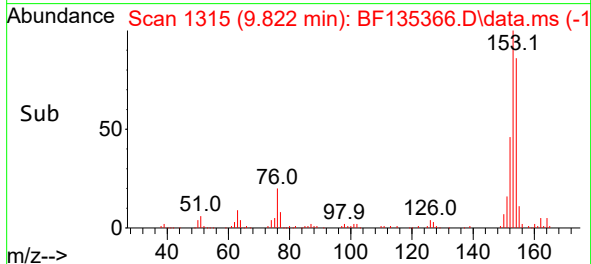


#52
Acenaphthene
Concen: 3.013 ng
RT: 9.822 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF135366.D
Acq: 20 Sep 2023 19:47

Instrument :
BNA_F
ClientSampleId :
B103-03

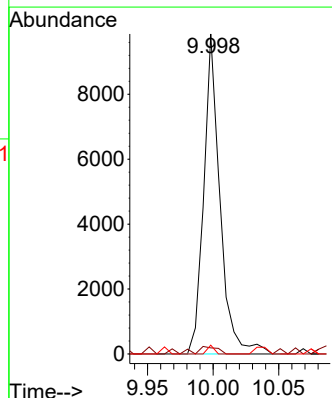
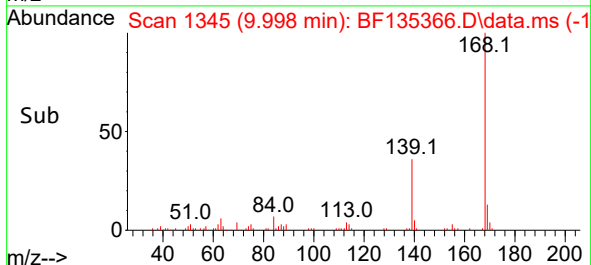
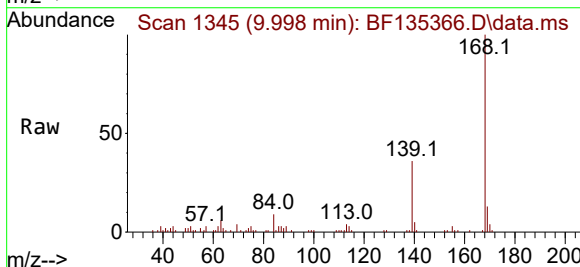


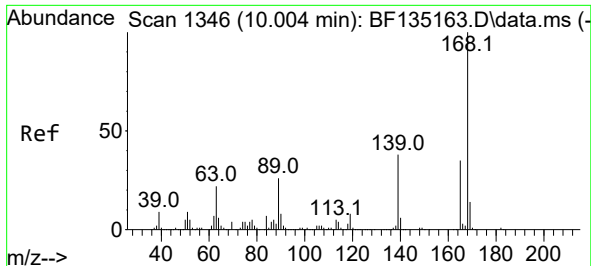
Tgt Ion:154 Resp: 34827
Ion Ratio Lower Upper
154 100
153 115.8 92.1 138.1
152 53.2 43.1 64.7



#56
4-Nitrophenol
Concen: 3.652 ng
RT: 9.998 min Scan# 1345
Delta R.T. 0.071 min
Lab File: BF135366.D
Acq: 20 Sep 2023 19:47

Tgt Ion:139 Resp: 8522
Ion Ratio Lower Upper
139 100
109 1.9 49.8 89.8#
65 2.8 92.7 132.7#





#57

2,4-Dinitrotoluene

Concen: 6.987 ng

RT: 9.792 min Scan# 11

Delta R.T. -0.212 min

Lab File: BF135366.D

Acq: 20 Sep 2023 19:47

Instrument :

BNA_F

ClientSampleId :

B103-03

Tgt Ion:165 Resp: 27358

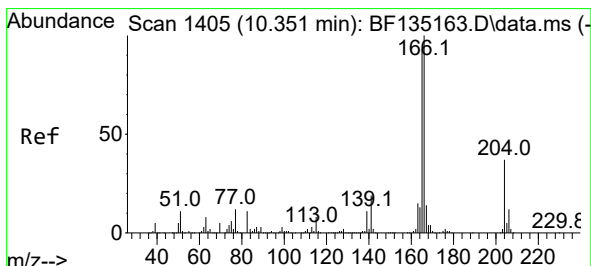
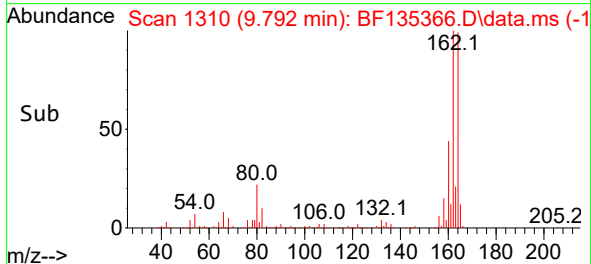
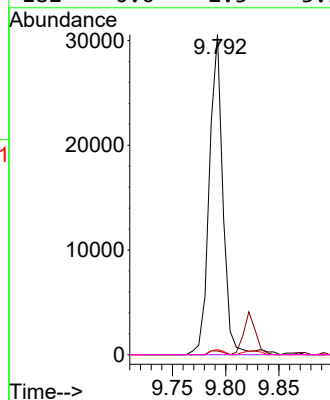
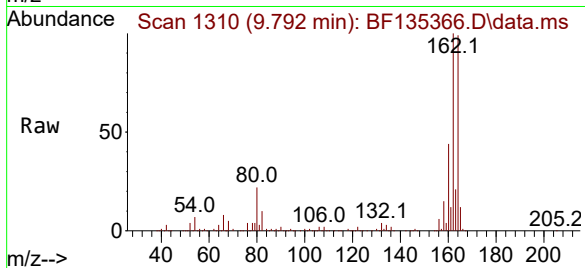
Ion Ratio Lower Upper

165 100

63 1.2 50.1 75.1#

89 1.6 59.3 88.9#

182 0.0 2.3 3.5#



#58

Fluorene

Concen: 2.421 ng

RT: 10.339 min Scan# 1403

Delta R.T. -0.012 min

Lab File: BF135366.D

Acq: 20 Sep 2023 19:47

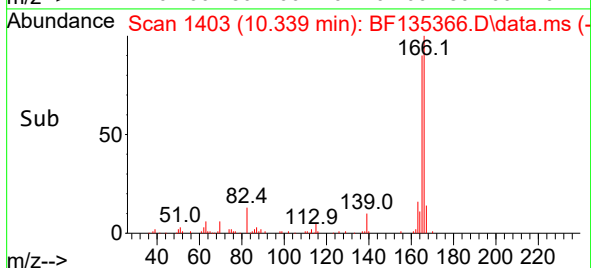
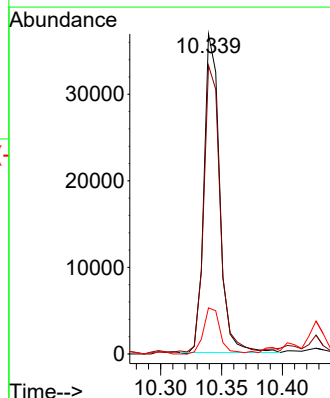
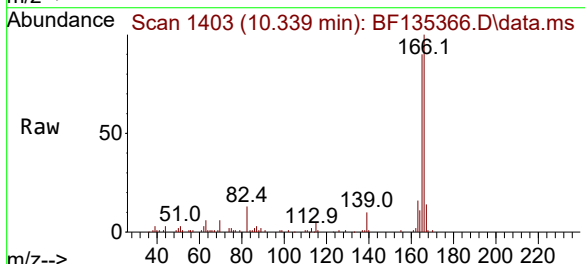
Tgt Ion:166 Resp: 32827

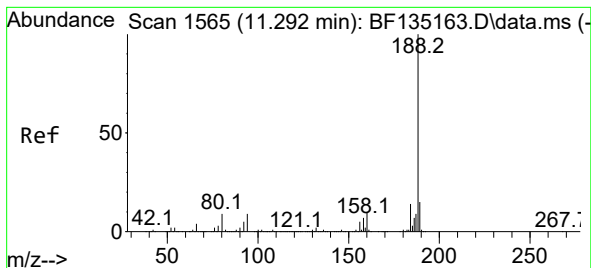
Ion Ratio Lower Upper

166 100

165 90.2 74.3 111.5

167 14.4 10.9 16.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.286 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135366.D

Acq: 20 Sep 2023 19:47

Instrument :

BNA_F

ClientSampleId :

B103-03

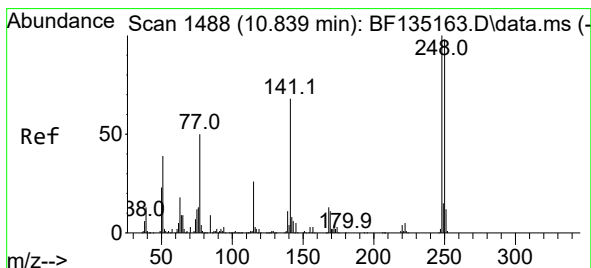
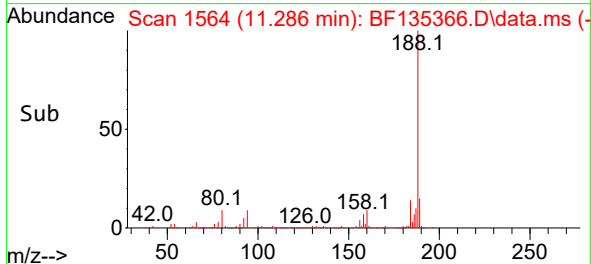
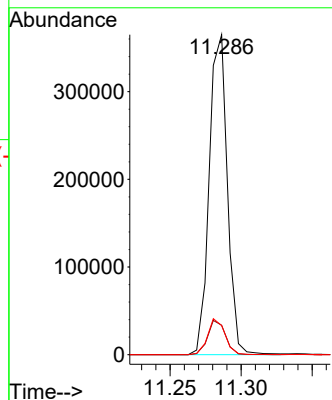
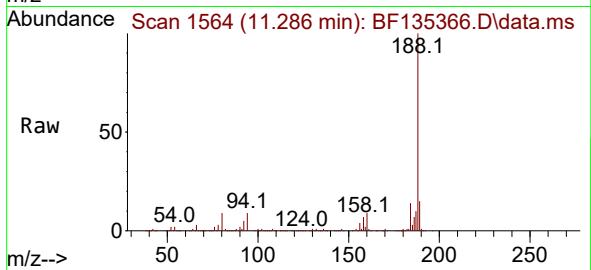
Tgt Ion:188 Resp: 324555

Ion Ratio Lower Upper

188 100

94 9.2 7.0 10.6

80 9.1 7.5 11.3



#67

4-Bromophenyl-phenylether

Concen: 3.476 ng

RT: 10.586 min Scan# 1445

Delta R.T. -0.253 min

Lab File: BF135366.D

Acq: 20 Sep 2023 19:47

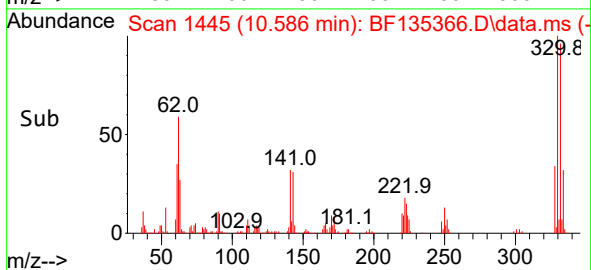
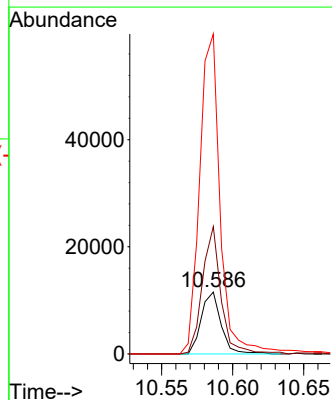
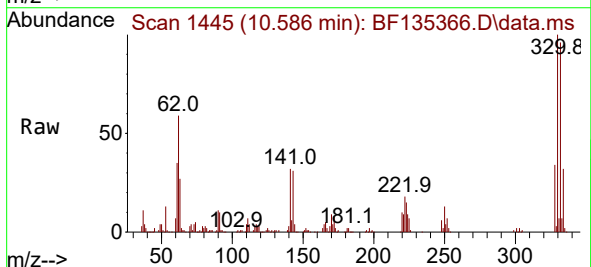
Tgt Ion:248 Resp: 11220

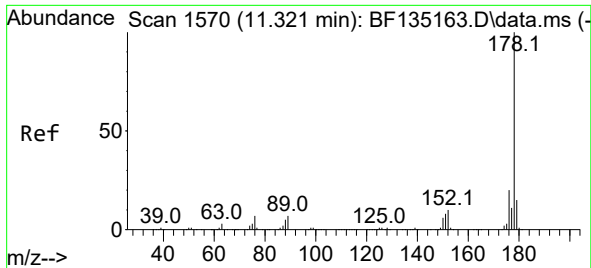
Ion Ratio Lower Upper

248 100

250 205.6 78.6 117.8#

141 516.8 54.2 81.2#

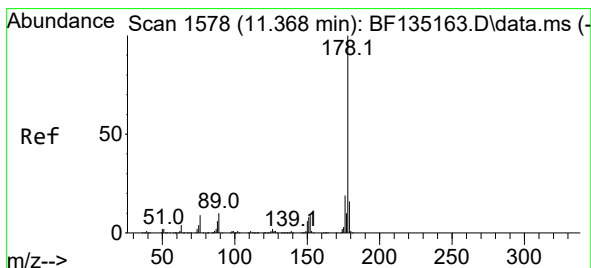
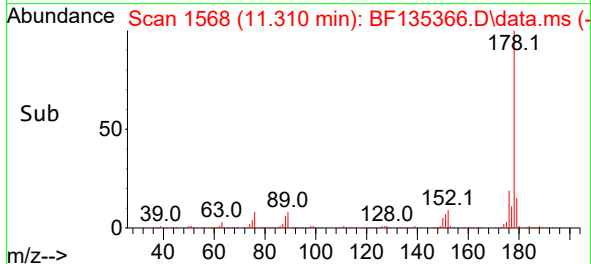
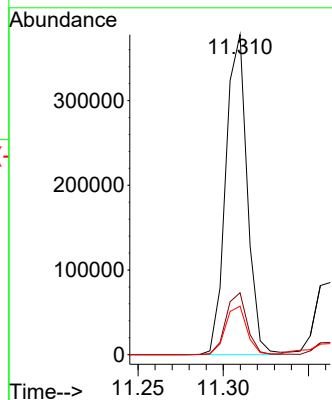
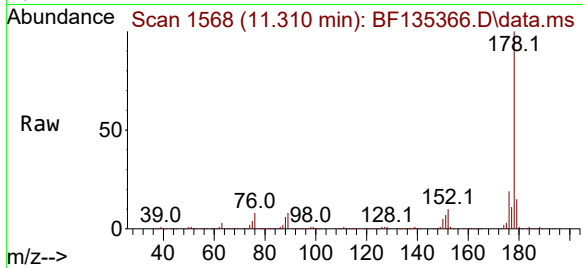




#71
Phenanthrene
Concen: 21.551 ng
RT: 11.310 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF135366.D
Acq: 20 Sep 2023 19:47

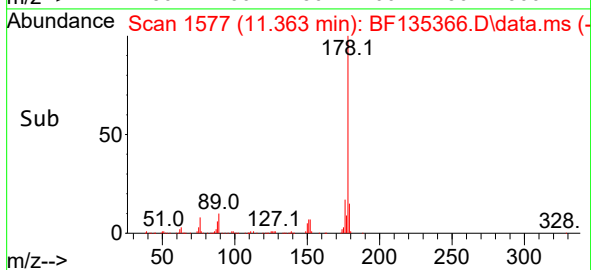
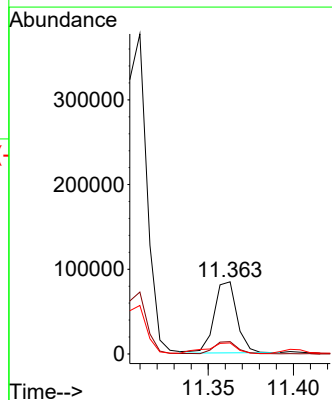
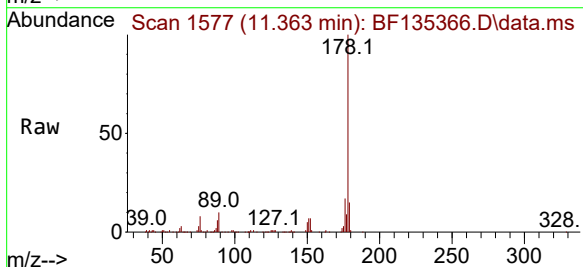
Instrument :
BNA_F
ClientSampleId :
B103-03

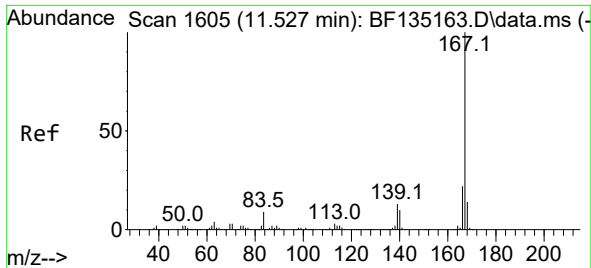
Tgt Ion:178 Resp: 330803
Ion Ratio Lower Upper
178 100
176 19.4 15.6 23.4
179 15.1 12.0 18.0



#72
Anthracene
Concen: 4.972 ng
RT: 11.363 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF135366.D
Acq: 20 Sep 2023 19:47

Tgt Ion:178 Resp: 78455
Ion Ratio Lower Upper
178 100
176 17.1 15.4 23.2
179 15.2 12.6 19.0

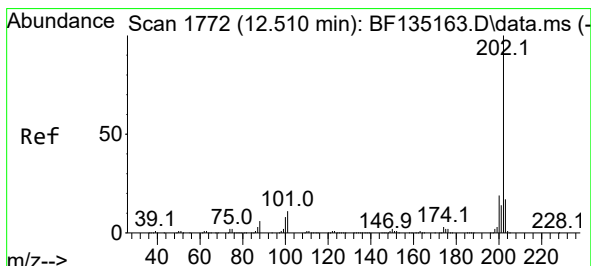
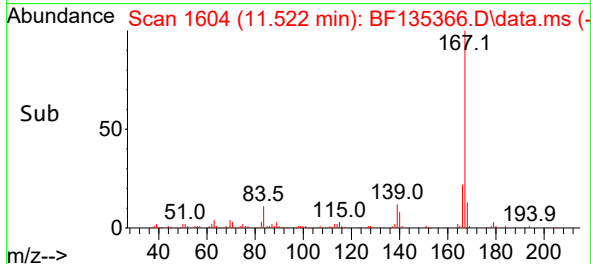
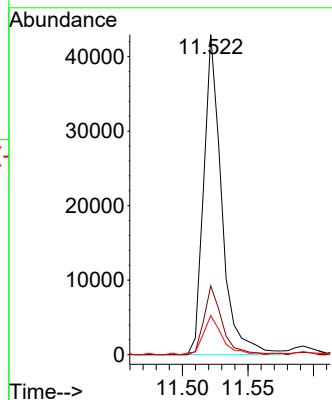
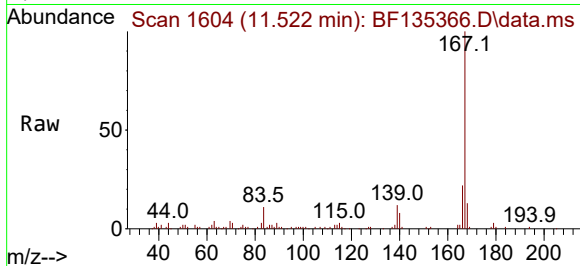




#73
 Carbazole
 Concen: 2.859 ng
 RT: 11.522 min Scan# 1
 Delta R.T. -0.006 min
 Lab File: BF135366.D
 Acq: 20 Sep 2023 19:47

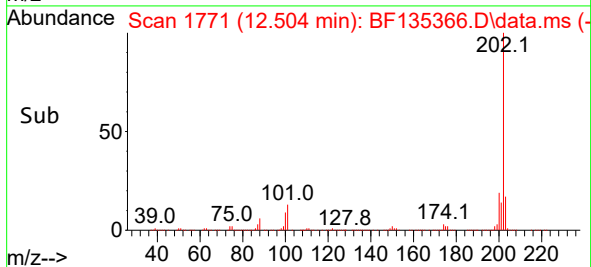
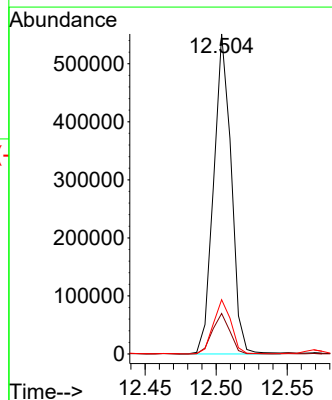
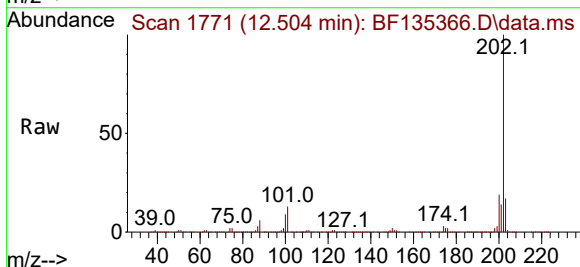
Instrument :
 BNA_F
 ClientSampleId :
 B103-03

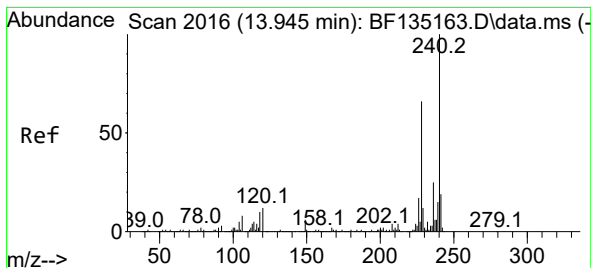
Tgt Ion:167 Resp: 41061
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.4 26.0
 139 12.2 10.6 15.8



#75
 Fluoranthene
 Concen: 29.700 ng
 RT: 12.504 min Scan# 1771
 Delta R.T. -0.006 min
 Lab File: BF135366.D
 Acq: 20 Sep 2023 19:47

Tgt Ion:202 Resp: 475047
 Ion Ratio Lower Upper
 202 100
 101 12.6 0.0 31.3
 203 16.9 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: BF135366.D

Acq: 20 Sep 2023 19:47

Instrument :

BNA_F

ClientSampleId :

B103-03

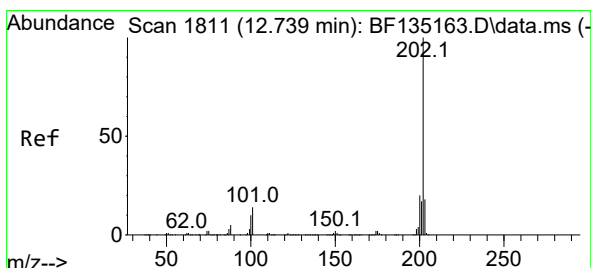
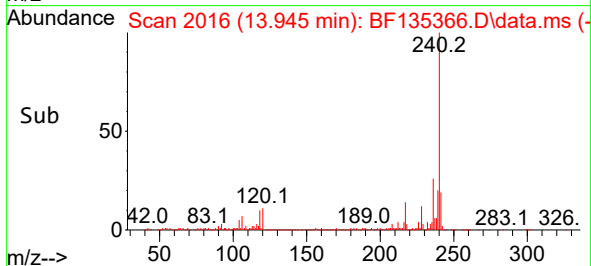
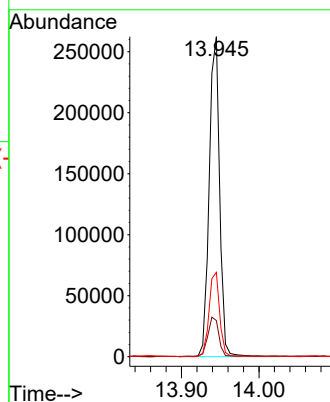
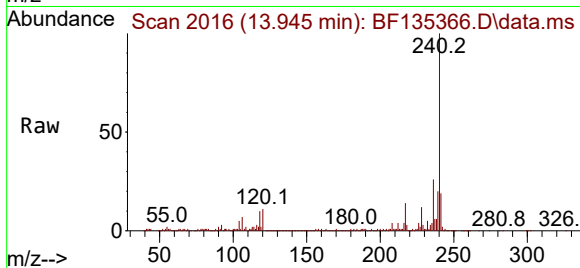
Tgt Ion:240 Resp: 245296

Ion Ratio Lower Upper

240 100

120 11.3 9.4 14.2

236 26.4 19.8 29.8



#78

Pyrene

Concen: 17.148 ng

RT: 12.733 min Scan# 1810

Delta R.T. -0.006 min

Lab File: BF135366.D

Acq: 20 Sep 2023 19:47

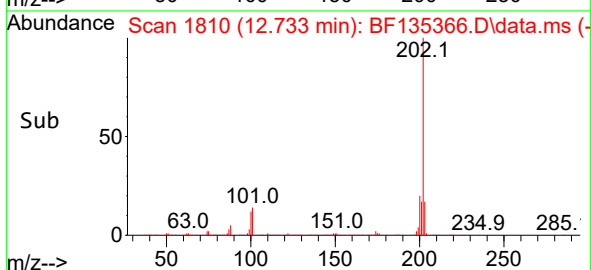
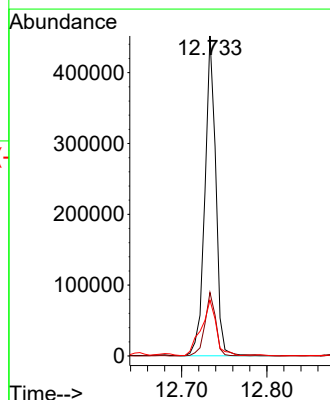
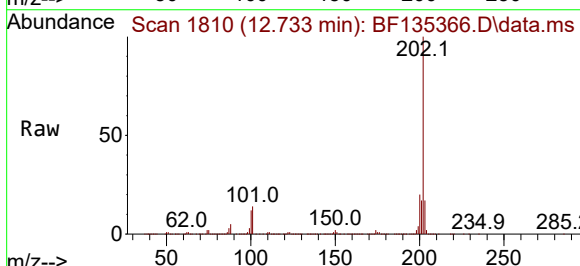
Tgt Ion:202 Resp: 400478

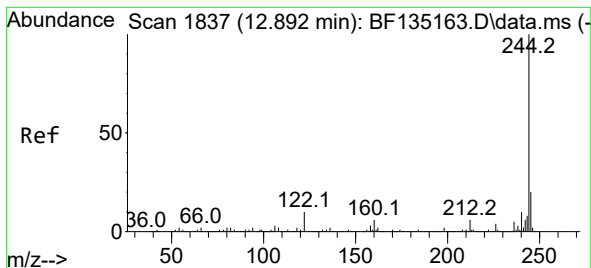
Ion Ratio Lower Upper

202 100

200 19.9 16.2 24.2

203 17.5 14.2 21.4





#79

Terphenyl-d14

Concen: 44.808 ng

RT: 12.880 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF135366.D

Acq: 20 Sep 2023 19:47

Instrument :

BNA_F

ClientSampleId :

B103-03

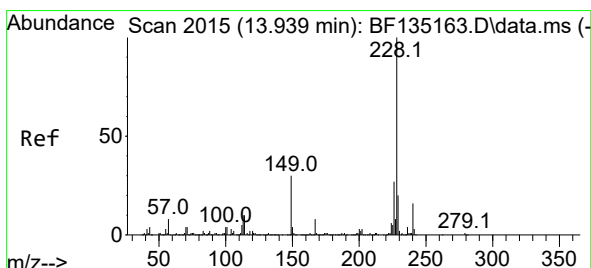
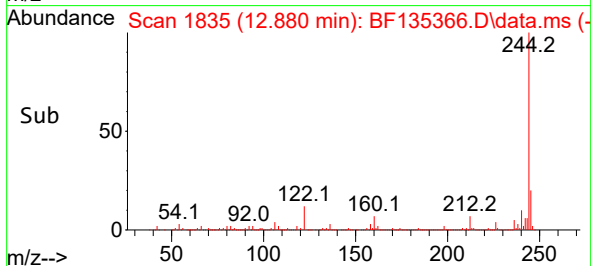
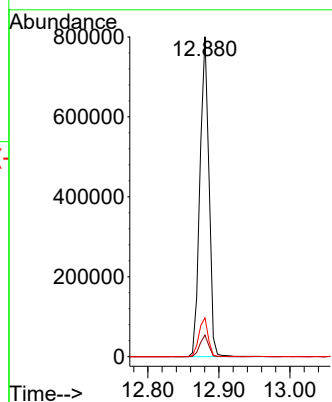
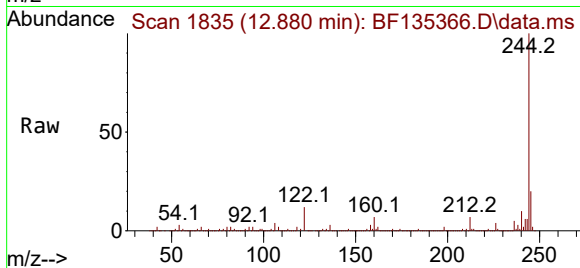
Tgt Ion:244 Resp: 709020

Ion Ratio Lower Upper

244 100

212 6.7 5.1 7.7

122 12.1 7.9 11.9#



#81

Benzo(a)anthracene

Concen: 13.756 ng

RT: 13.933 min Scan# 2014

Delta R.T. -0.006 min

Lab File: BF135366.D

Acq: 20 Sep 2023 19:47

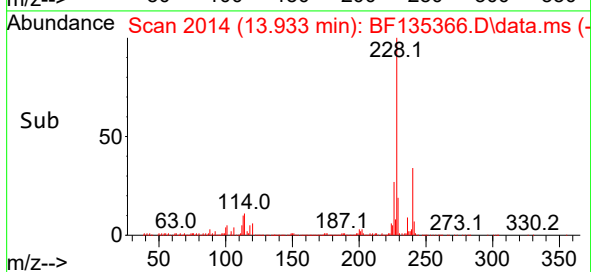
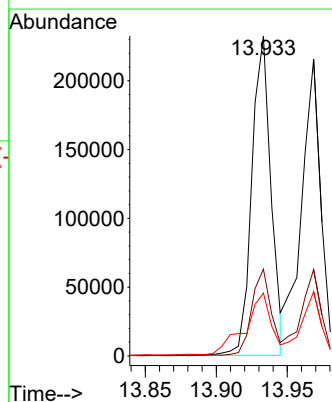
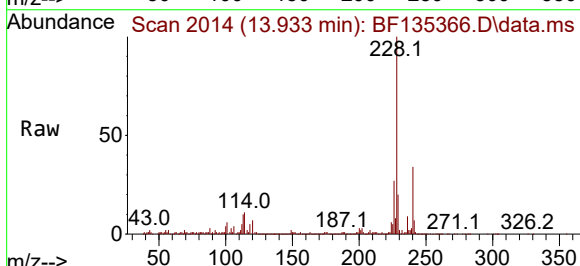
Tgt Ion:228 Resp: 217887

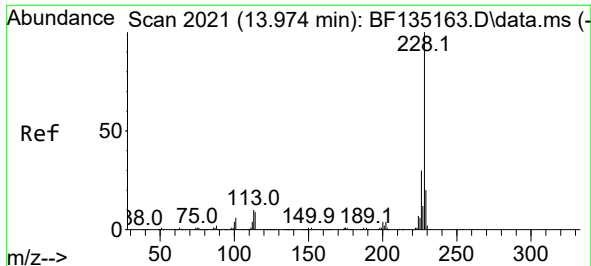
Ion Ratio Lower Upper

228 100

226 27.2 21.7 32.5

229 19.7 15.8 23.8

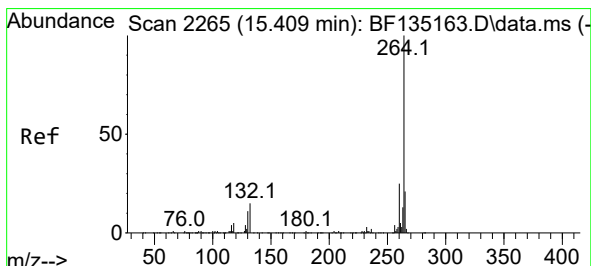
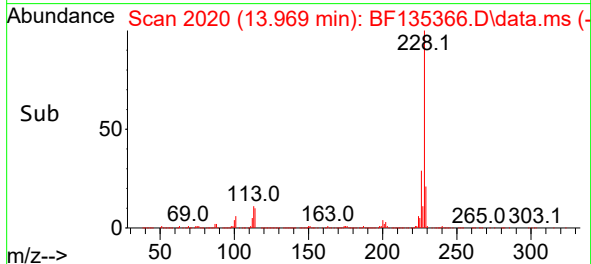
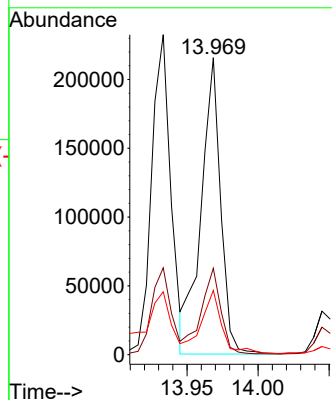
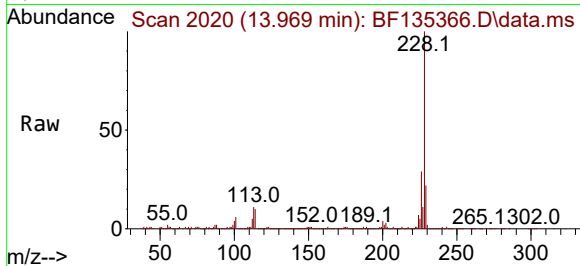




#83
Chrysene
Concen: 13.148 ng
RT: 13.969 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF135366.D
Acq: 20 Sep 2023 19:47

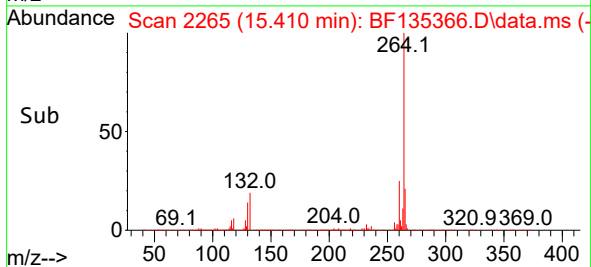
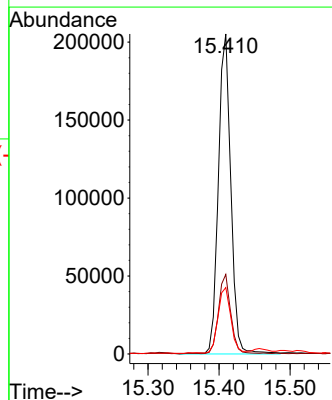
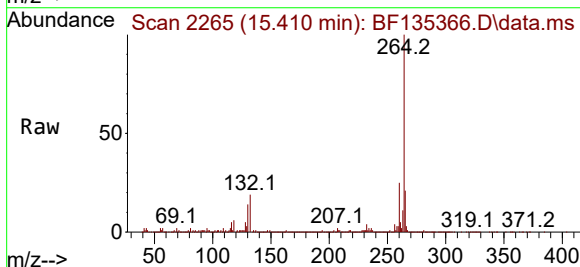
Instrument :
BNA_F
ClientSampleId :
B103-03

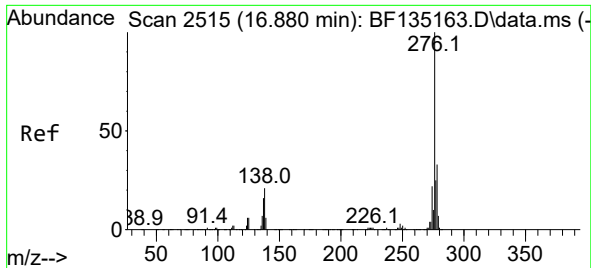
Tgt Ion:228 Resp: 207050
Ion Ratio Lower Upper
228 100
226 29.1 24.3 36.5
229 21.7 16.0 24.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.410 min Scan# 2265
Delta R.T. 0.000 min
Lab File: BF135366.D
Acq: 20 Sep 2023 19:47

Tgt Ion:264 Resp: 249104
Ion Ratio Lower Upper
264 100
260 24.9 19.8 29.6
265 20.8 17.0 25.4

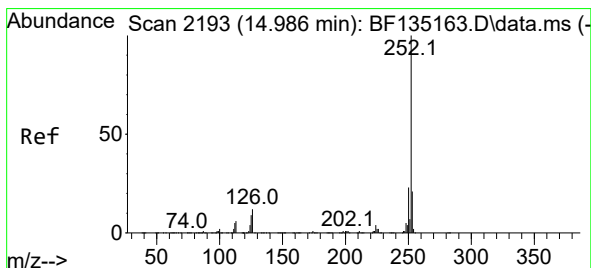
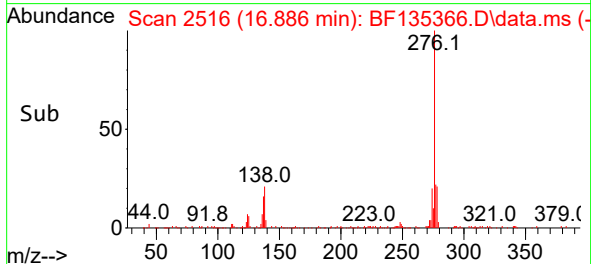
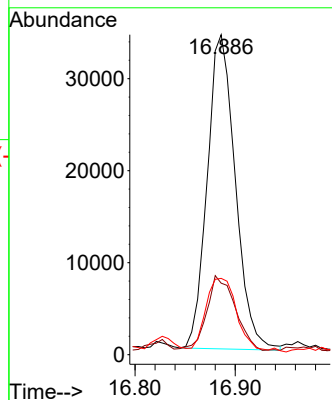
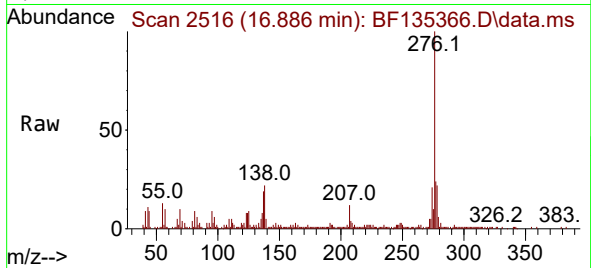




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.066 ng
 RT: 16.886 min Scan# 2115
 Delta R.T. 0.006 min
 Lab File: BF135366.D
 Acq: 20 Sep 2023 19:47

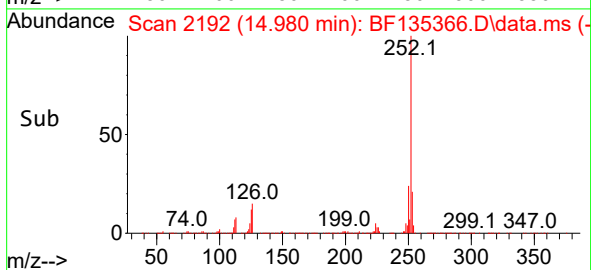
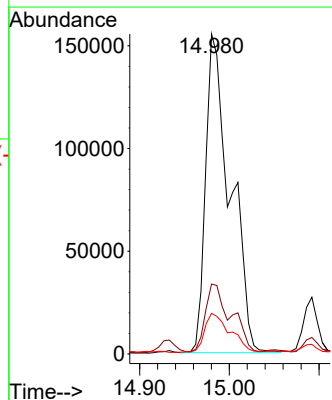
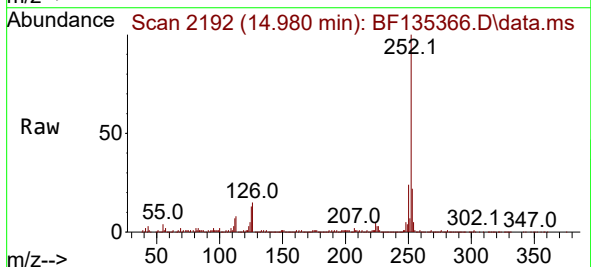
Instrument :
 BNA_F
 ClientSampleId :
 B103-03

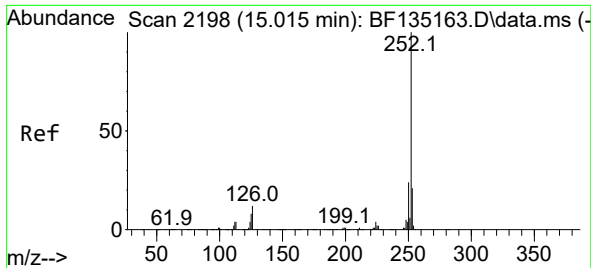
Tgt Ion:276 Resp: 66415
 Ion Ratio Lower Upper
 276 100
 138 23.8 19.2 28.8
 277 26.2 19.7 29.5



#88
 Benzo(b)fluoranthene
 Concen: 21.921 ng
 RT: 14.980 min Scan# 2192
 Delta R.T. -0.006 min
 Lab File: BF135366.D
 Acq: 20 Sep 2023 19:47

Tgt Ion:252 Resp: 295598
 Ion Ratio Lower Upper
 252 100
 253 21.9 17.2 25.8
 125 12.7 7.1 10.7#

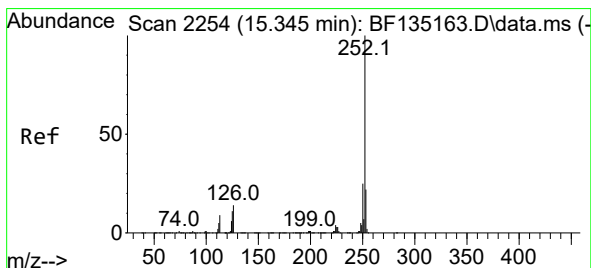
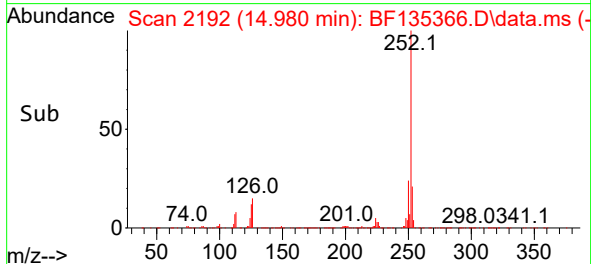
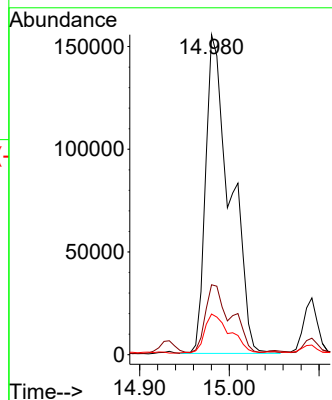
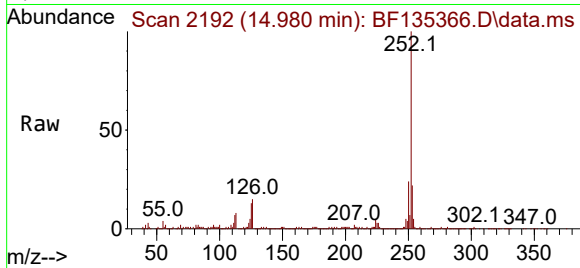




#89
Benzo(k)fluoranthene
Concen: 22.191 ng
RT: 14.980 min Scan# 2198
Delta R.T. -0.035 min
Lab File: BF135366.D
Acq: 20 Sep 2023 19:47

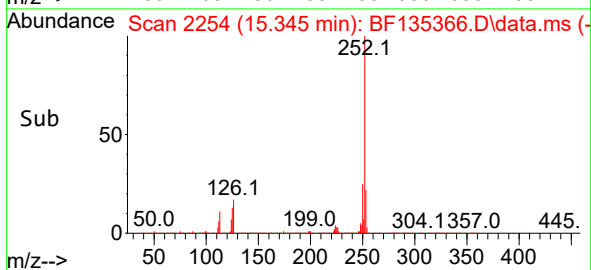
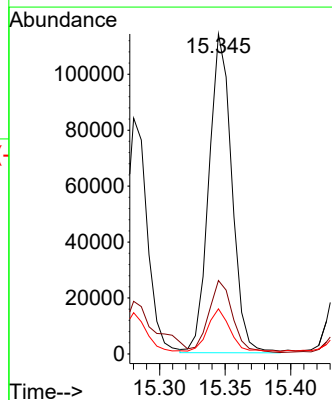
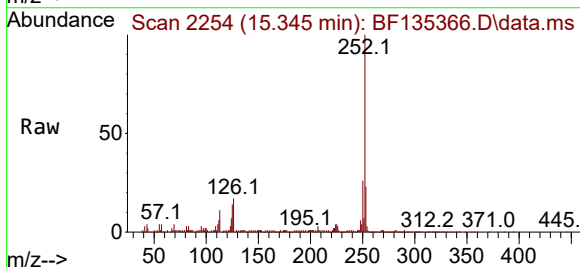
Instrument :
BNA_F
ClientSampleId :
B103-03

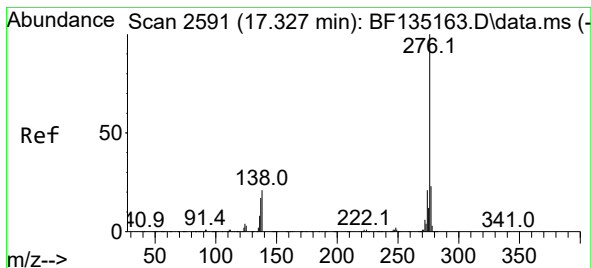
Tgt Ion:252 Resp: 295598
Ion Ratio Lower Upper
252 100
253 21.9 17.4 26.0
125 12.7 7.2 10.8#



#90
Benzo(a)pyrene
Concen: 10.791 ng
RT: 15.345 min Scan# 2254
Delta R.T. 0.000 min
Lab File: BF135366.D
Acq: 20 Sep 2023 19:47

Tgt Ion:252 Resp: 138765
Ion Ratio Lower Upper
252 100
253 22.9 17.5 26.3
125 14.1 9.2 13.8#





#92

Benzo(g,h,i)perylene

Concen: 4.370 ng

RT: 17.333 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF135366.D

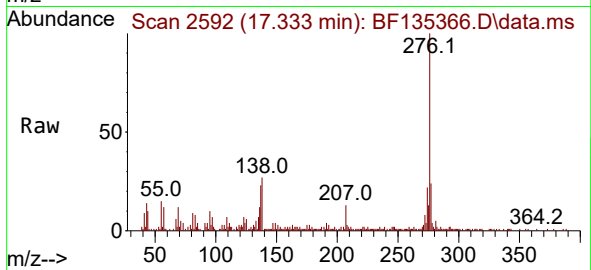
Acq: 20 Sep 2023 19:47

Instrument :

BNA_F

ClientSampleId :

B103-03



Tgt Ion:276 Resp: 60997

Ion Ratio Lower Upper

276 100

277 23.6 18.8 28.2

138 27.3 16.9 25.3#

