

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092023\
 Data File : BF135364.D
 Acq On : 20 Sep 2023 18:43
 Operator : CG\JU
 Sample : 04397-04
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B103-04

Quant Time: Sep 21 01:52:47 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)

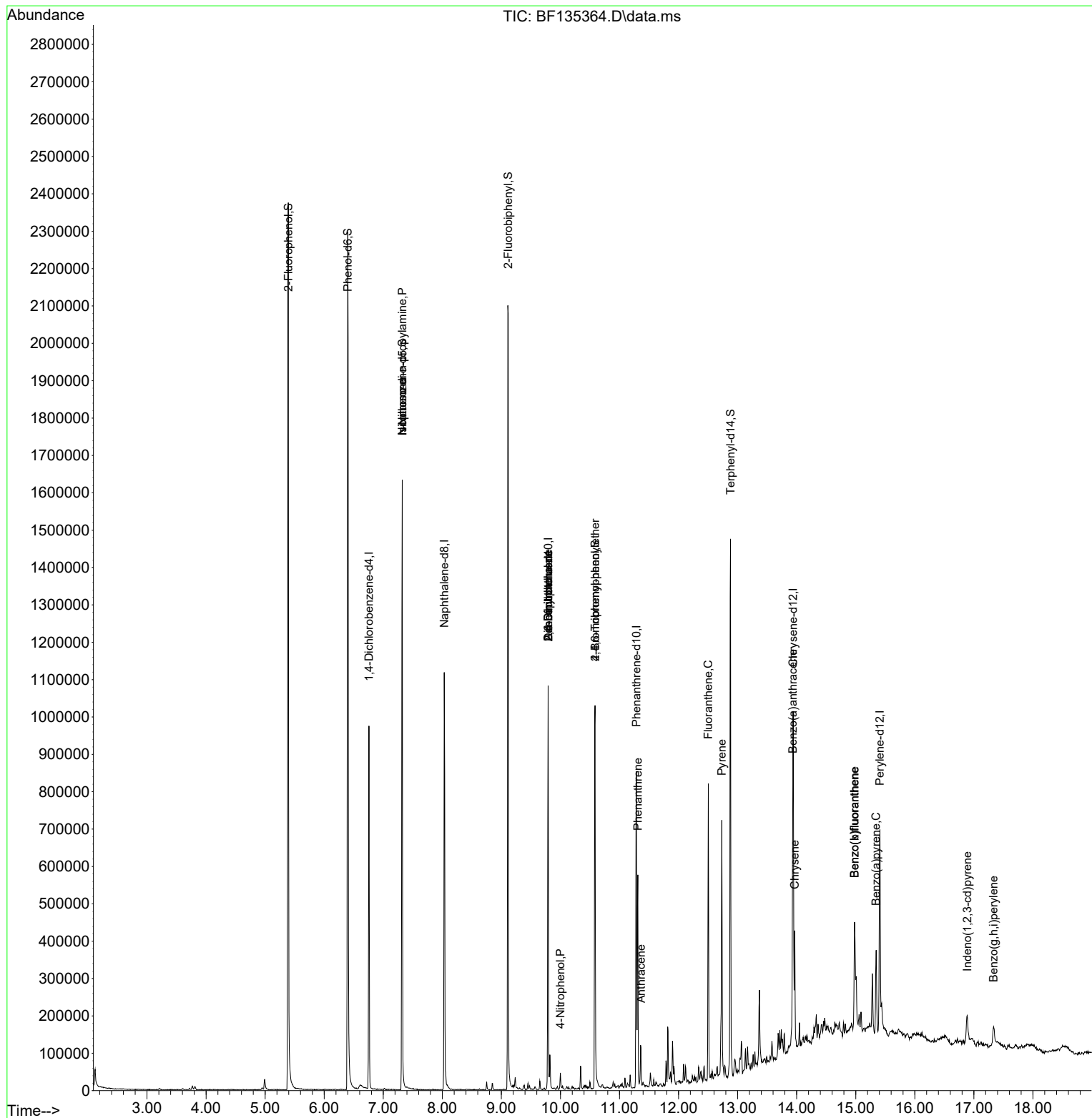
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.757	152	129628	20.000	ng	0.00
21) Naphthalene-d8	8.034	136	475315	20.000	ng	-0.01
39) Acenaphthene-d10	9.792	164	206218	20.000	ng	-0.01
64) Phenanthrene-d10	11.286	188	319985	20.000	ng	0.00
76) Chrysene-d12	13.939	240	250380	20.000	ng	0.00
86) Perylene-d12	15.410	264	264513	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	660443	82.866	ng	0.00
7) Phenol-d6	6.398	99	812777	80.200	ng	0.00
23) Nitrobenzene-d5	7.322	82	485007	55.437	ng	-0.01
42) 2,4,6-Tribromophenol	10.586	330	123637	60.331	ng	-0.01
45) 2-Fluorobiphenyl	9.116	172	710550	51.985	ng	-0.01
79) Terphenyl-d14	12.880	244	506945	31.387	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.322	70	62235	9.914	ng	# 79
25) Isophorone	7.322	82	485002	30.190	ng	# 65
50) Dimethylphthalate	9.792	163	40028	2.871	ng	# 1
51) 2,6-Dinitrotoluene	9.792	165	26755	8.760	ng	# 17
56) 4-Nitrophenol	9.998	139	5414	2.376	ng	# 4
57) 2,4-Dinitrotoluene	9.792	165	26755	6.997	ng	# 19
67) 4-Bromophenyl-phenylether	10.586	248	8397	2.639	ng	# 1
71) Phenanthrene	11.310	178	205976	13.610	ng	98
72) Anthracene	11.363	178	41216	2.650	ng	97
75) Fluoranthene	12.504	202	294111	18.651	ng	99
78) Pyrene	12.733	202	271096	11.372	ng	99
81) Benzo(a)anthracene	13.933	228	142205	8.796	ng	98
83) Chrysene	13.968	228	136591	8.497	ng	97
87) Indeno(1,2,3-cd)pyrene	16.886	276	44341	2.557	ng	97
88) Benzo(b)fluoranthene	14.980	252	213097	14.882	ng	# 95
89) Benzo(k)fluoranthene	14.980	252	213097	15.066	ng	# 95
90) Benzo(a)pyrene	15.345	252	104616	7.661	ng	# 97
92) Benzo(g,h,i)perylene	17.333	276	41740	2.816	ng	# 93

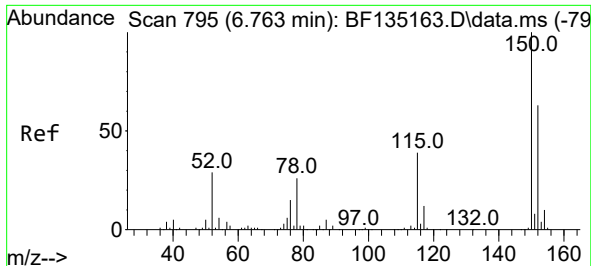
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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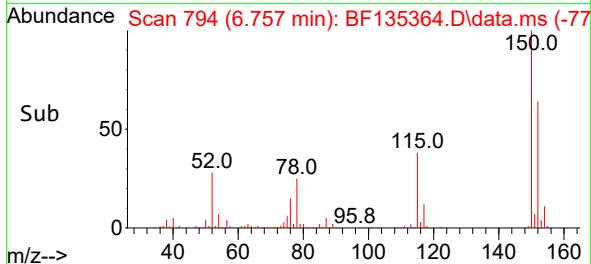
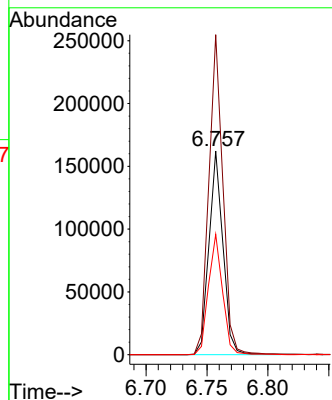
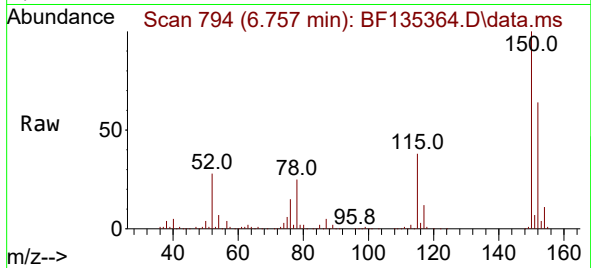




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.757 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF135364.D
Acq: 20 Sep 2023 18:43

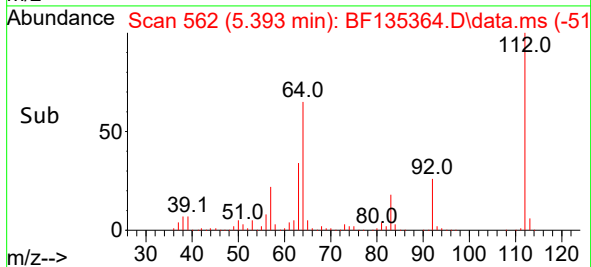
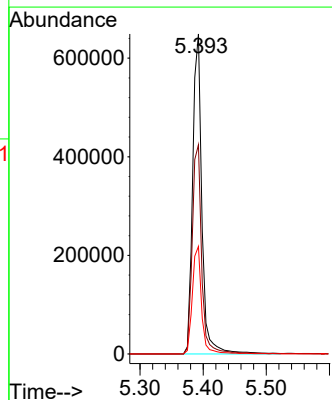
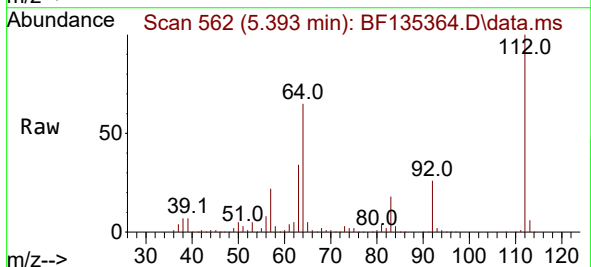
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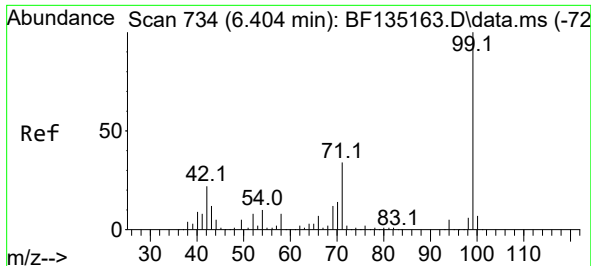
Tgt Ion:152 Resp: 129628
Ion Ratio Lower Upper
152 100
150 157.0 127.8 191.6
115 59.1 49.8 74.8



#5
2-Fluorophenol
Concen: 82.866 ng
RT: 5.393 min Scan# 562
Delta R.T. 0.006 min
Lab File: BF135364.D
Acq: 20 Sep 2023 18:43

Tgt Ion:112 Resp: 660443
Ion Ratio Lower Upper
112 100
64 65.3 55.9 83.9
63 33.6 29.0 43.6

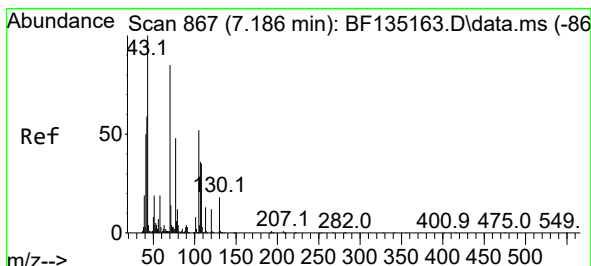
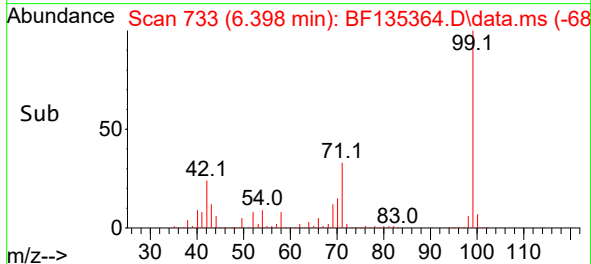
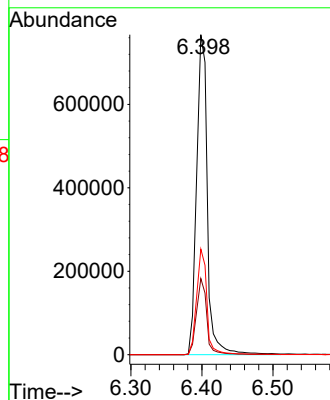
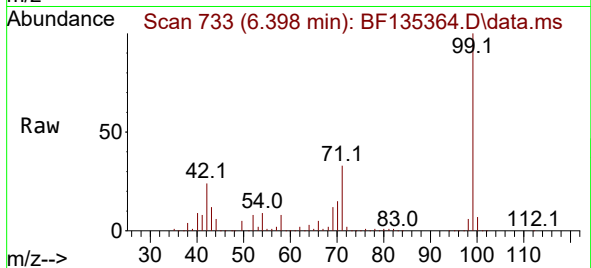




#7
Phenol-d6
Concen: 80.200 ng
RT: 6.398 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135364.D
Acq: 20 Sep 2023 18:43

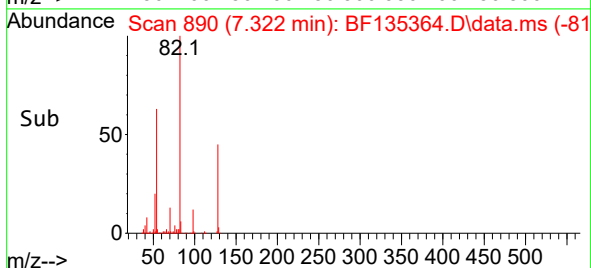
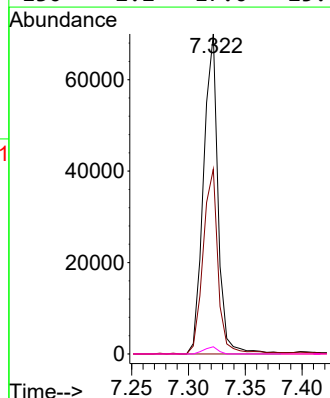
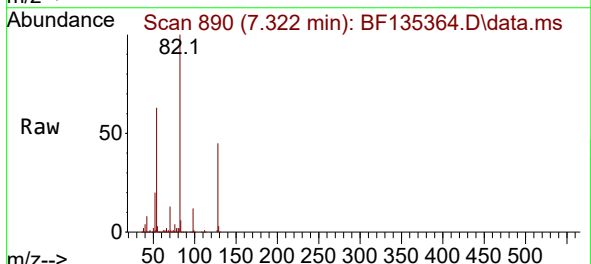
Instrument :
BNA_F
ClientSampleId :
B103-04

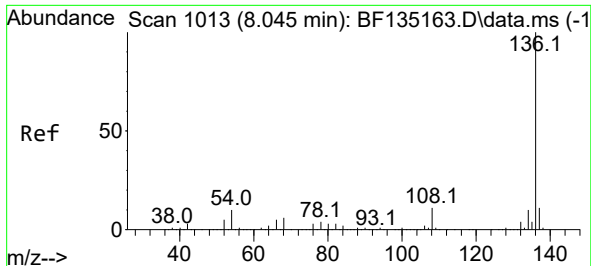
Tgt Ion: 99 Resp: 812777
Ion Ratio Lower Upper
99 100
42 23.8 17.9 26.9
71 33.0 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 9.914 ng
RT: 7.322 min Scan# 890
Delta R.T. 0.135 min
Lab File: BF135364.D
Acq: 20 Sep 2023 18:43

Tgt Ion: 70 Resp: 62235
Ion Ratio Lower Upper
70 100
42 57.8 55.4 83.0
101 0.0 7.7 11.5#
130 2.2 17.0 25.6#

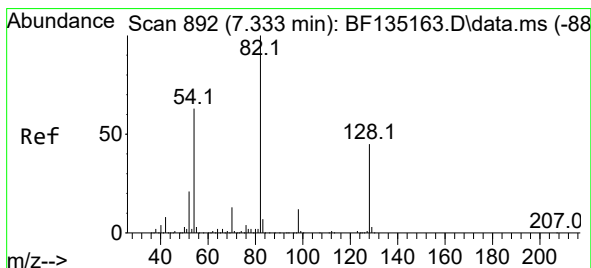
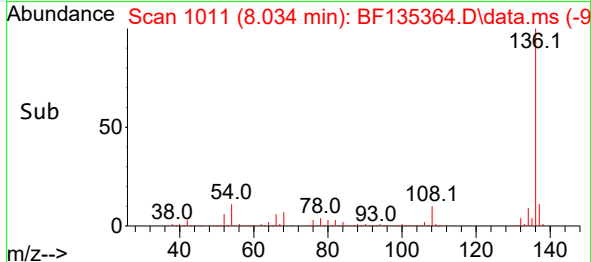
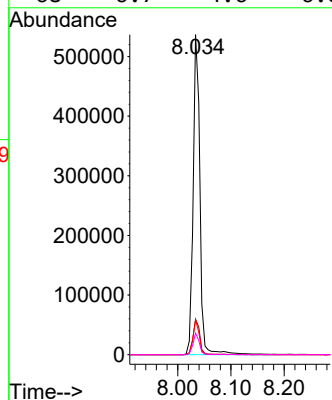
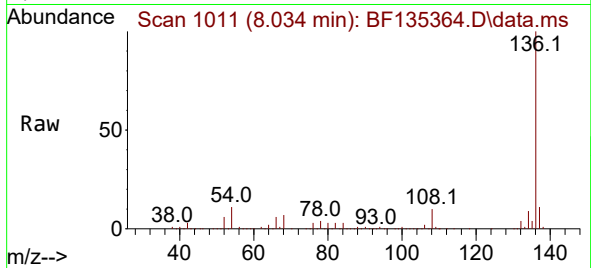




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.034 min Scan# 1013
Delta R.T. -0.012 min
Lab File: BF135364.D
Acq: 20 Sep 2023 18:43

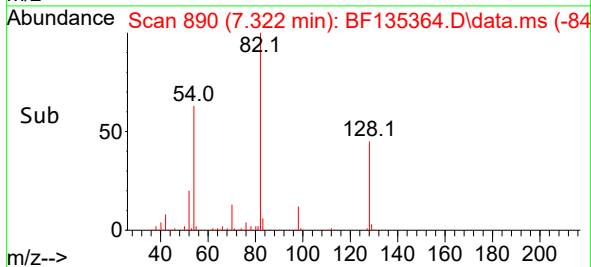
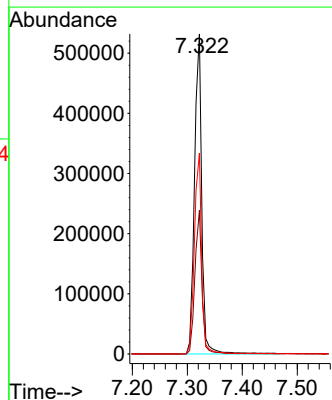
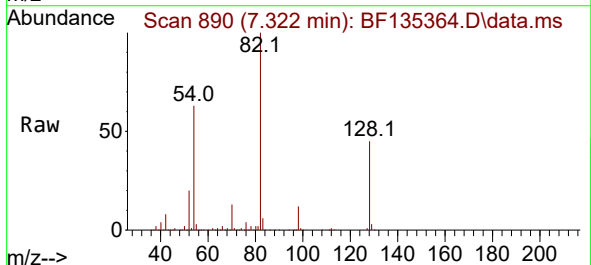
Instrument :
BNA_F
ClientSampleId :
B103-04

Tgt Ion:136 Resp: 475315
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 10.9 7.7 11.5
68 6.7 4.6 6.8



#23
Nitrobenzene-d5
Concen: 55.437 ng
RT: 7.322 min Scan# 890
Delta R.T. -0.012 min
Lab File: BF135364.D
Acq: 20 Sep 2023 18:43

Tgt Ion: 82 Resp: 485007
Ion Ratio Lower Upper
82 100
128 44.9 35.8 53.6
54 62.8 50.6 76.0

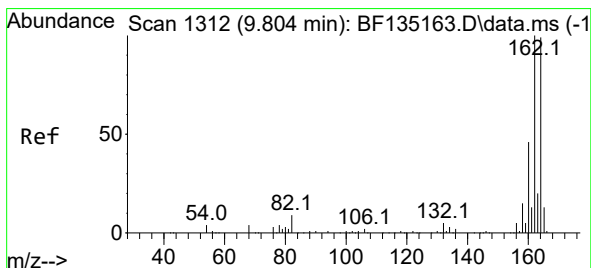
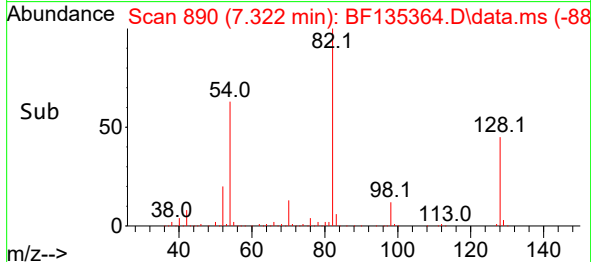
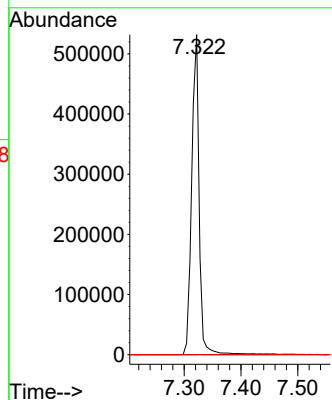
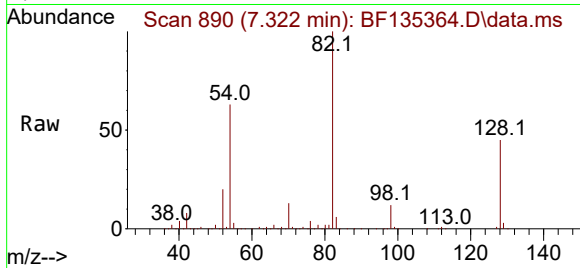




#25
Isophorone
Concen: 30.190 ng
RT: 7.322 min Scan# 89
Delta R.T. -0.270 min
Lab File: BF135364.D
Acq: 20 Sep 2023 18:43

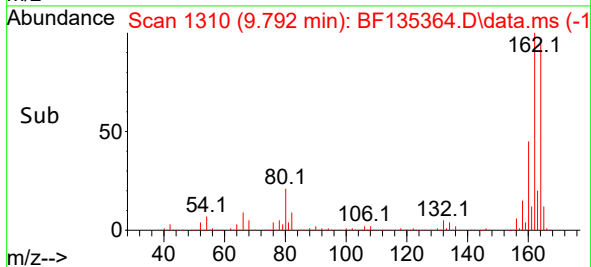
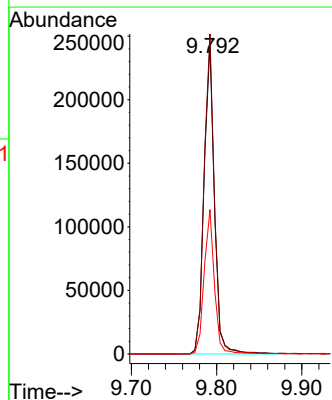
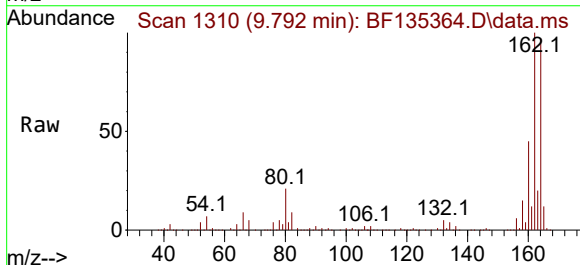
Instrument :
BNA_F
ClientSampleId :
B103-04

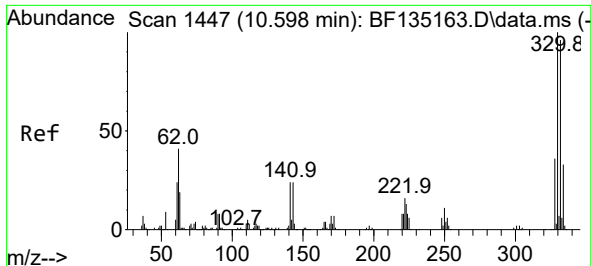
Tgt Ion: 82 Resp: 485002
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.792 min Scan# 1310
Delta R.T. -0.012 min
Lab File: BF135364.D
Acq: 20 Sep 2023 18:43

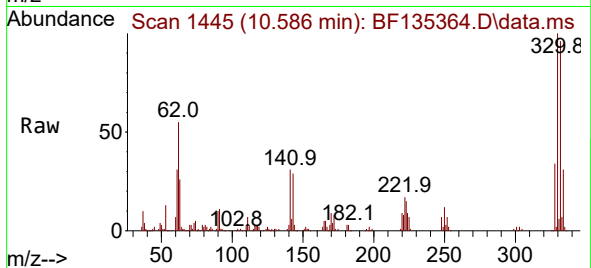
Tgt Ion:164 Resp: 206218
Ion Ratio Lower Upper
164 100
162 103.4 81.0 121.4
160 46.7 37.0 55.4





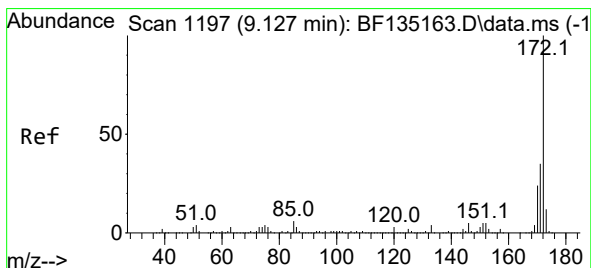
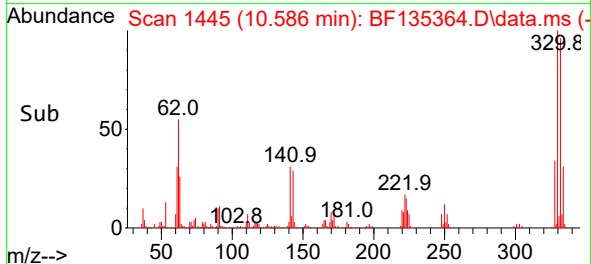
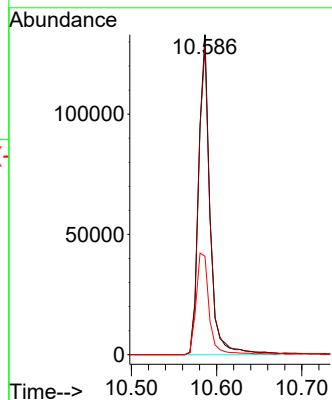
#42
 2,4,6-Tribromophenol
 Concen: 60.331 ng
 RT: 10.586 min Scan# 1445
 Delta R.T. -0.012 min
 Lab File: BF135364.D
 Acq: 20 Sep 2023 18:43

Instrument :
 BNA_F
 ClientSampleId :
 B103-04



Tgt Ion:330 Resp: 123637

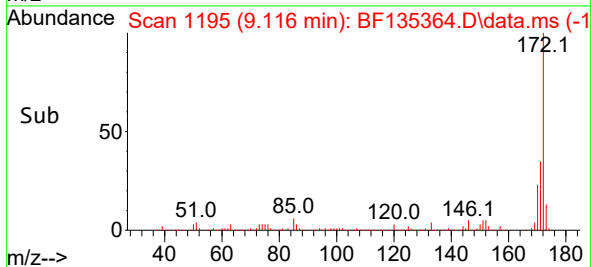
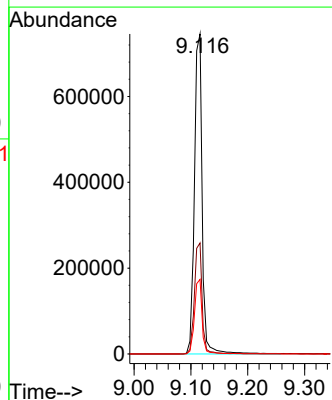
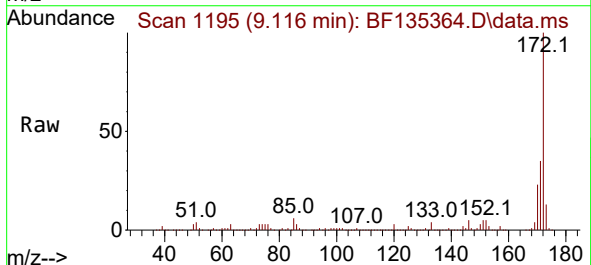
Ion	Ratio	Lower	Upper
330	100		
332	98.9	77.3	115.9
141	36.4	25.8	38.8

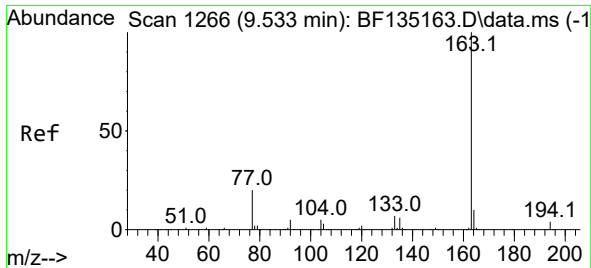


#45
 2-Fluorobiphenyl
 Concen: 51.985 ng
 RT: 9.116 min Scan# 1195
 Delta R.T. -0.012 min
 Lab File: BF135364.D
 Acq: 20 Sep 2023 18:43

Tgt Ion:172 Resp: 710550

Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.4	42.6
170	23.3	19.0	28.4

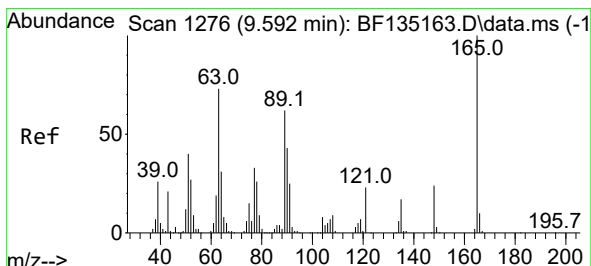
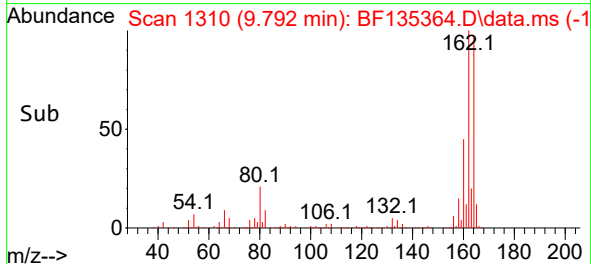
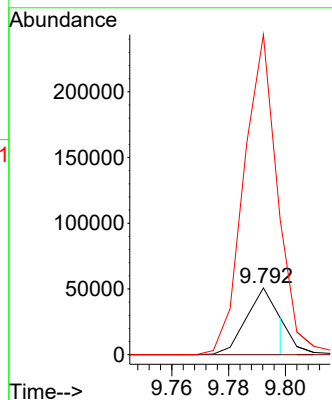
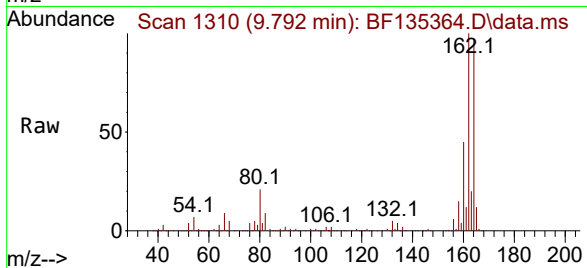




#50
 Dimethylphthalate
 Concen: 2.871 ng
 RT: 9.792 min Scan# 1310
 Delta R.T. 0.259 min
 Lab File: BF135364.D
 Acq: 20 Sep 2023 18:43

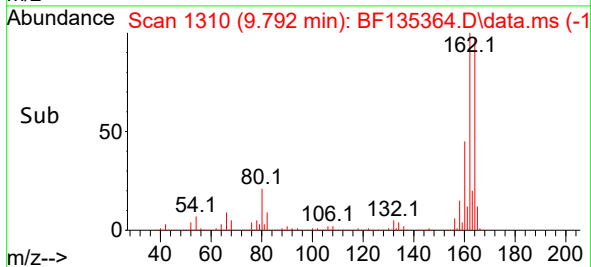
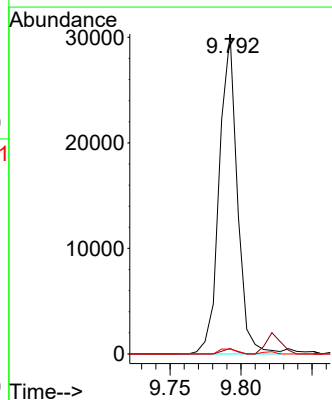
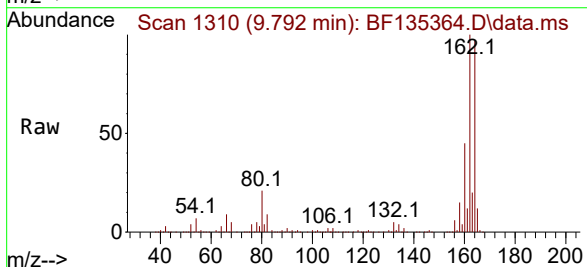
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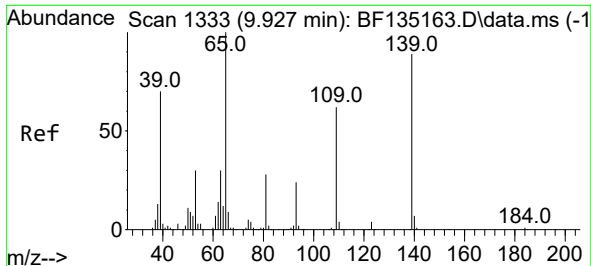
Tgt Ion:163 Resp: 40028
 Ion Ratio Lower Upper
 163 100
 194 0.0 3.1 4.7#
 164 479.5 8.1 12.1#



#51
 2,6-Dinitrotoluene
 Concen: 8.760 ng
 RT: 9.792 min Scan# 1310
 Delta R.T. 0.200 min
 Lab File: BF135364.D
 Acq: 20 Sep 2023 18:43

Tgt Ion:165 Resp: 26755
 Ion Ratio Lower Upper
 165 100
 63 1.7 59.4 89.2#
 89 1.5 49.8 74.8#

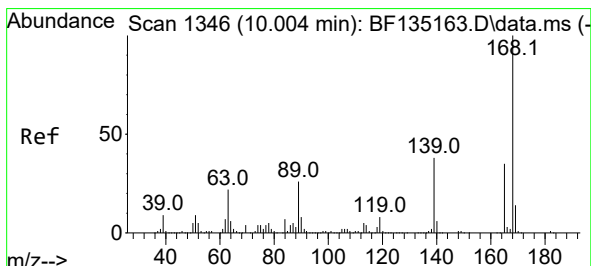
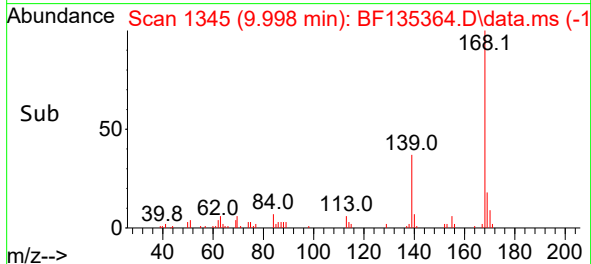
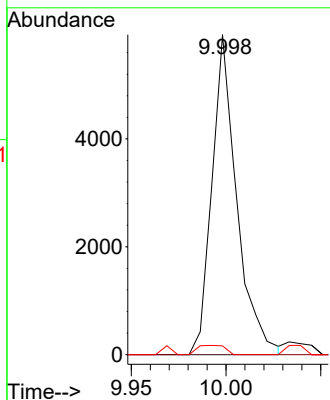
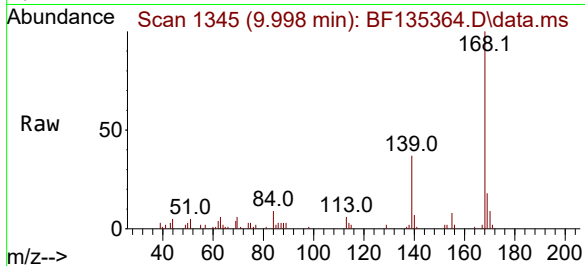




#56
4-Nitrophenol
Concen: 2.376 ng
RT: 9.998 min Scan# 1345
Delta R.T. 0.071 min
Lab File: BF135364.D
Acq: 20 Sep 2023 18:43

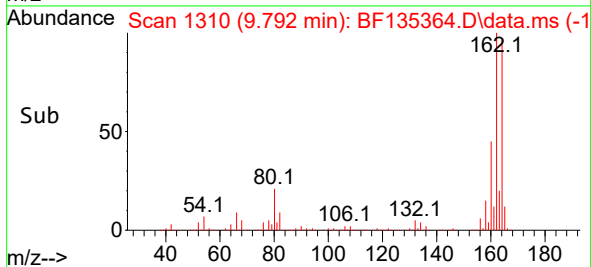
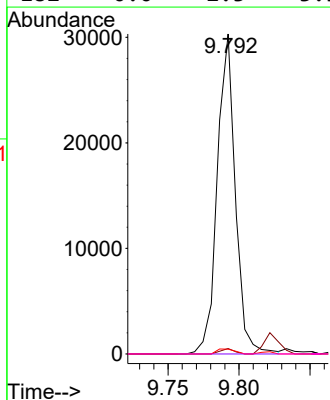
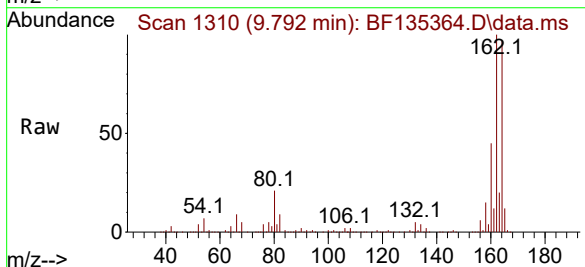
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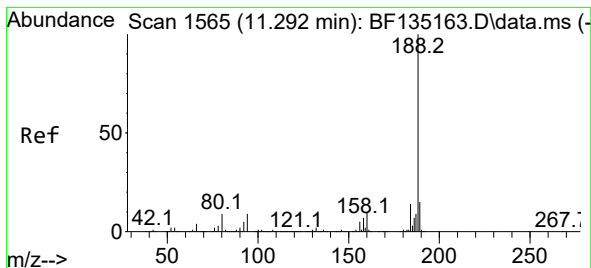
Tgt Ion:139 Resp: 5414
Ion Ratio Lower Upper
139 100
109 0.0 49.8 89.8#
65 2.7 92.7 132.7#



#57
2,4-Dinitrotoluene
Concen: 6.997 ng
RT: 9.792 min Scan# 1310
Delta R.T. -0.212 min
Lab File: BF135364.D
Acq: 20 Sep 2023 18:43

Tgt Ion:165 Resp: 26755
Ion Ratio Lower Upper
165 100
63 1.7 50.1 75.1#
89 1.5 59.3 88.9#
182 0.0 2.3 3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.286 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135364.D

Acq: 20 Sep 2023 18:43

Instrument :

BNA_F

ClientSampleId :

B103-04

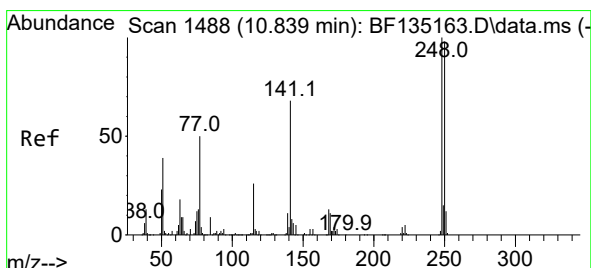
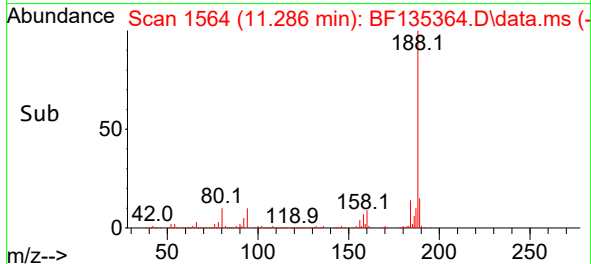
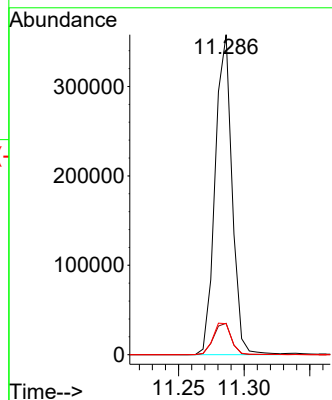
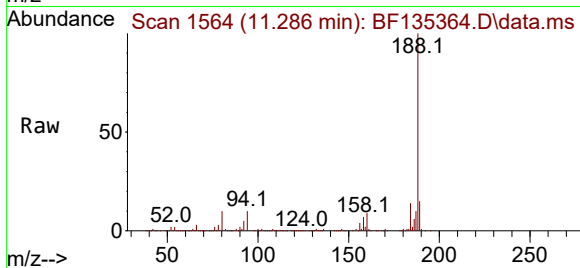
Tgt Ion:188 Resp: 319985

Ion Ratio Lower Upper

188 100

94 9.8 7.0 10.6

80 9.7 7.5 11.3



#67

4-Bromophenyl-phenylether

Concen: 2.639 ng

RT: 10.586 min Scan# 1445

Delta R.T. -0.253 min

Lab File: BF135364.D

Acq: 20 Sep 2023 18:43

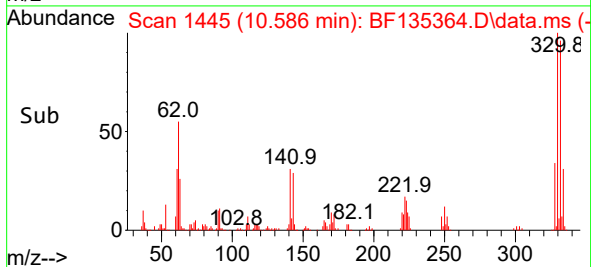
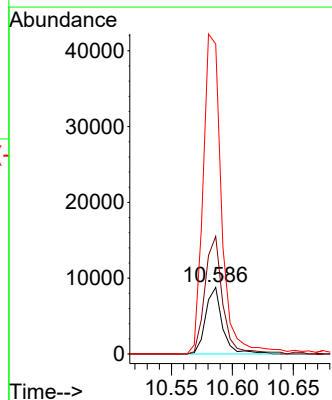
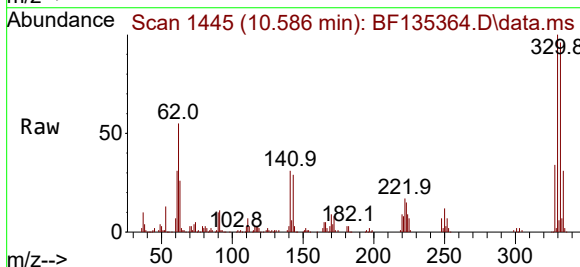
Tgt Ion:248 Resp: 8397

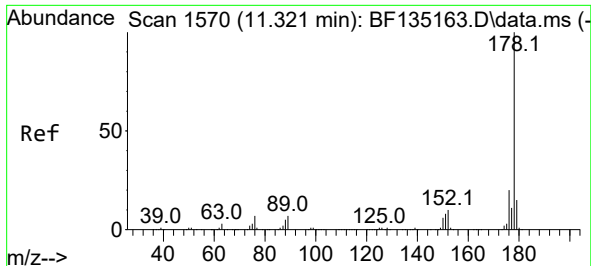
Ion Ratio Lower Upper

248 100

250 176.6 78.6 117.8#

141 465.7 54.2 81.2#

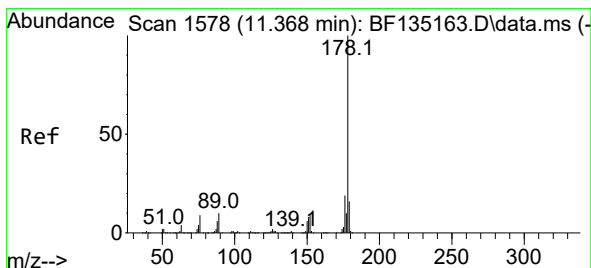
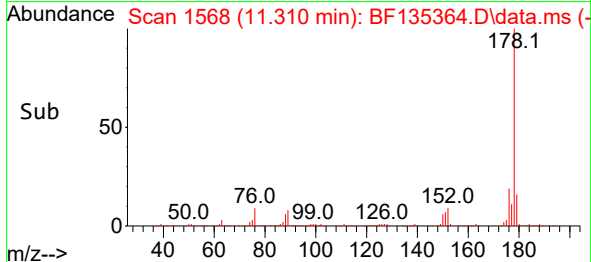
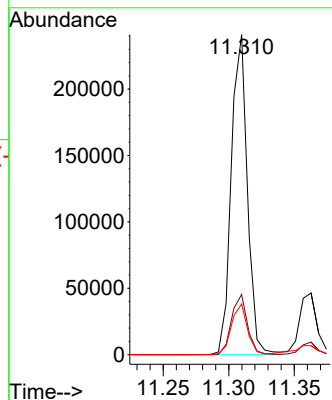
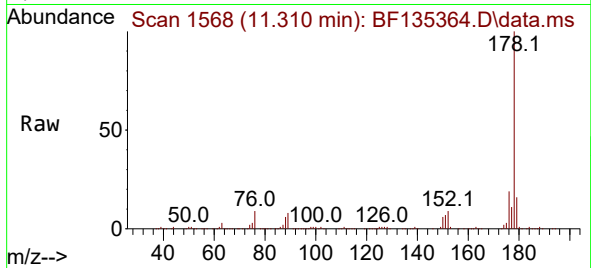




#71
Phenanthrene
Concen: 13.610 ng
RT: 11.310 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF135364.D
Acq: 20 Sep 2023 18:43

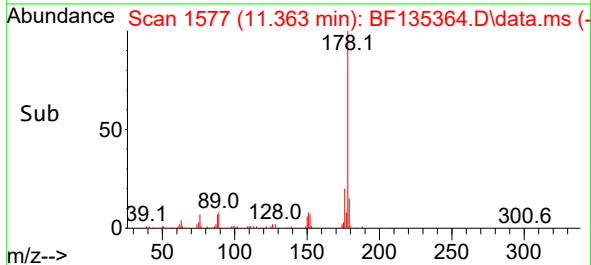
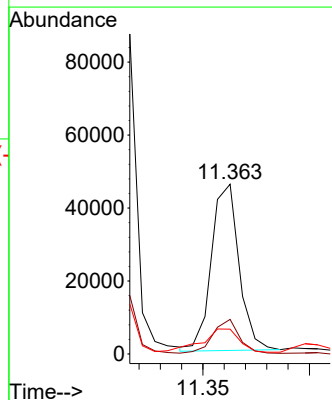
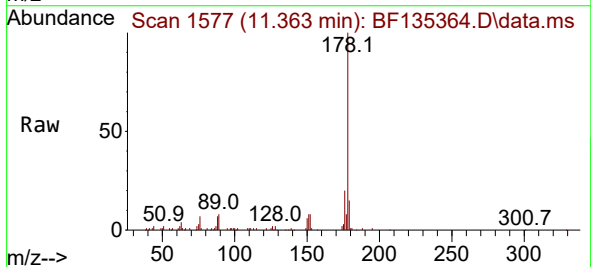
Instrument :
BNA_F
ClientSampleId :
B103-04

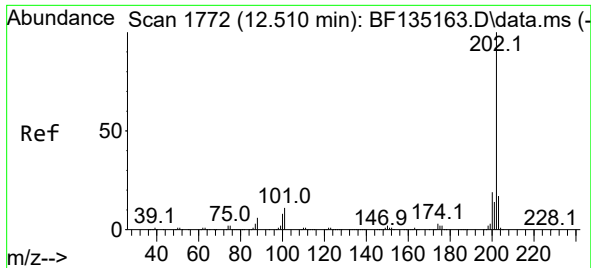
Tgt Ion:178 Resp: 205976
Ion Ratio Lower Upper
178 100
176 18.8 15.6 23.4
179 15.9 12.0 18.0



#72
Anthracene
Concen: 2.650 ng
RT: 11.363 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF135364.D
Acq: 20 Sep 2023 18:43

Tgt Ion:178 Resp: 41216
Ion Ratio Lower Upper
178 100
176 20.4 15.4 23.2
179 14.6 12.6 19.0

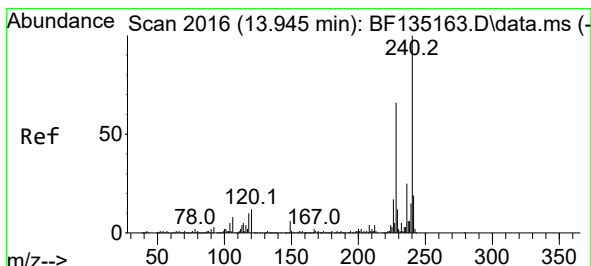
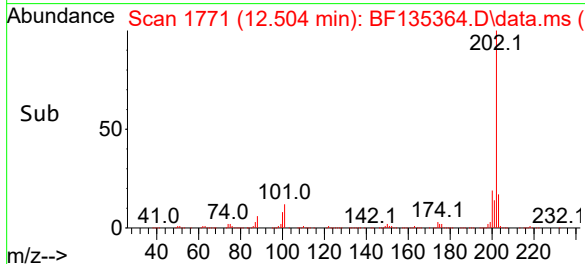
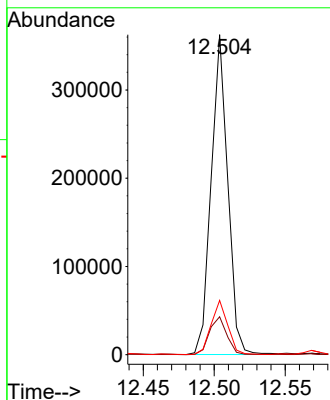
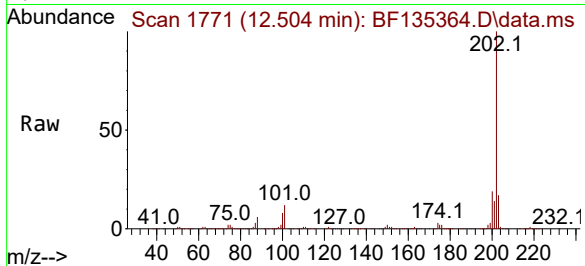




#75
Fluoranthene
Concen: 18.651 ng
RT: 12.504 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135364.D
Acq: 20 Sep 2023 18:43

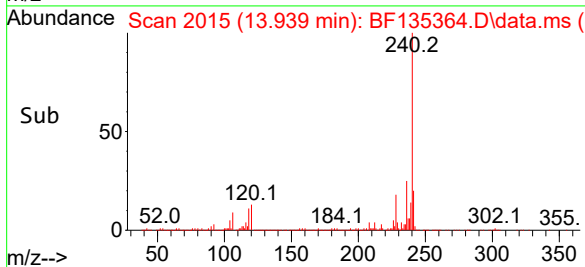
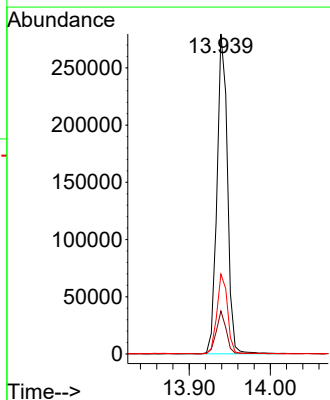
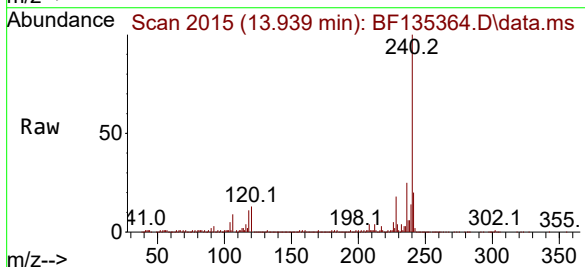
Instrument :
BNA_F
ClientSampleId :
B103-04

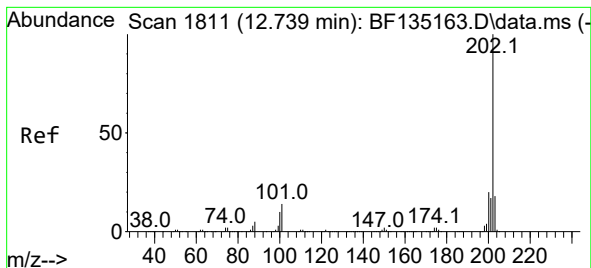
Tgt Ion:202 Resp: 294111
Ion Ratio Lower Upper
202 100
101 11.8 0.0 31.3
203 16.9 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF135364.D
Acq: 20 Sep 2023 18:43

Tgt Ion:240 Resp: 250380
Ion Ratio Lower Upper
240 100
120 13.4 9.4 14.2
236 25.0 19.8 29.8





#78

Pyrene

Concen: 11.372 ng

RT: 12.733 min Scan# 1810

Delta R.T. -0.006 min

Lab File: BF135364.D

Acq: 20 Sep 2023 18:43

Instrument :

BNA_F

ClientSampleId :

B103-04

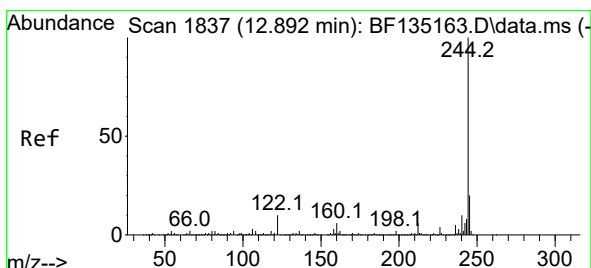
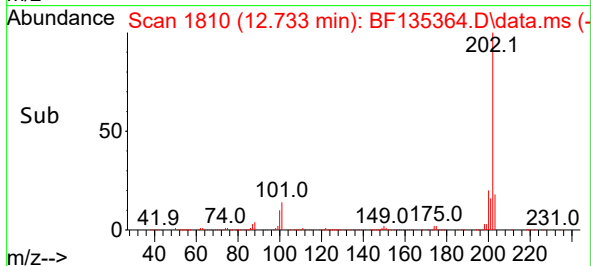
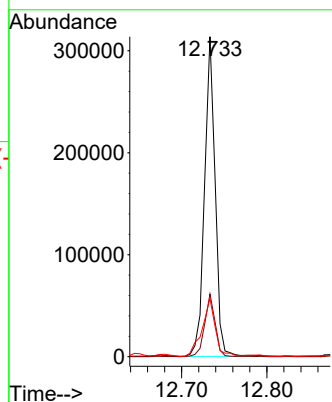
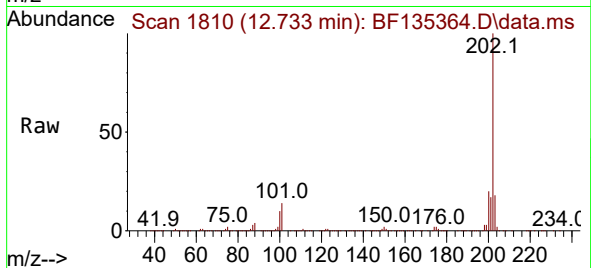
Tgt Ion:202 Resp: 271096

Ion Ratio Lower Upper

202 100

200 19.6 16.2 24.2

203 18.2 14.2 21.4



#79

Terphenyl-d14

Concen: 31.387 ng

RT: 12.880 min Scan# 1835

Delta R.T. -0.012 min

Lab File: BF135364.D

Acq: 20 Sep 2023 18:43

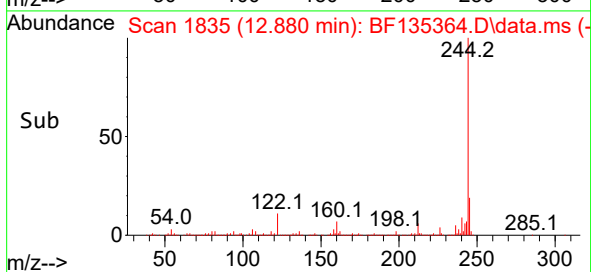
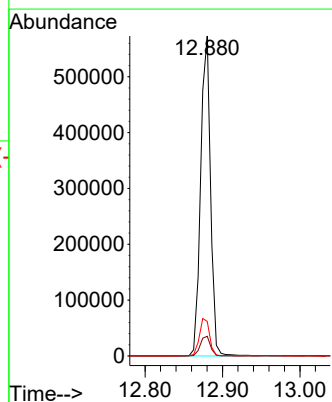
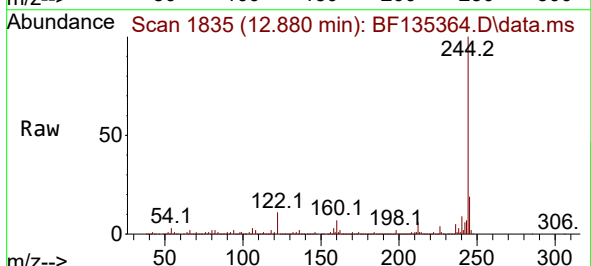
Tgt Ion:244 Resp: 506945

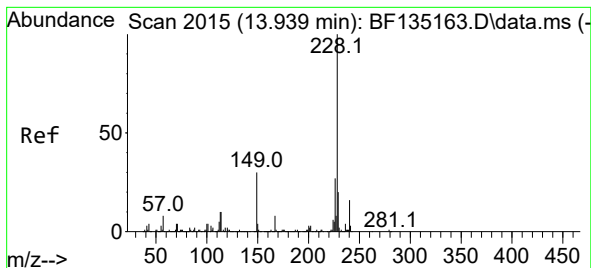
Ion Ratio Lower Upper

244 100

212 6.2 5.1 7.7

122 10.8 7.9 11.9





#81

Benzo(a)anthracene

Concen: 8.796 ng

RT: 13.933 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF135364.D

Acq: 20 Sep 2023 18:43

Instrument :

BNA_F

ClientSampleId :

B103-04

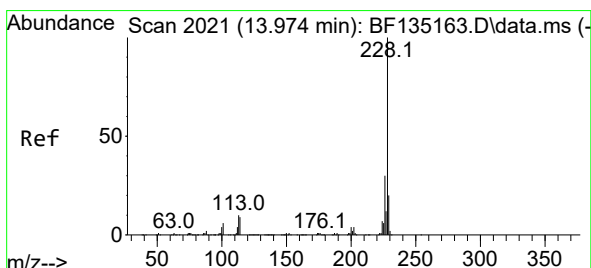
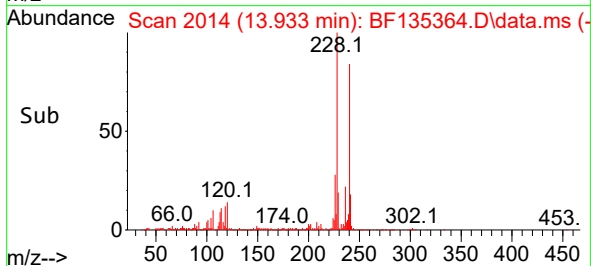
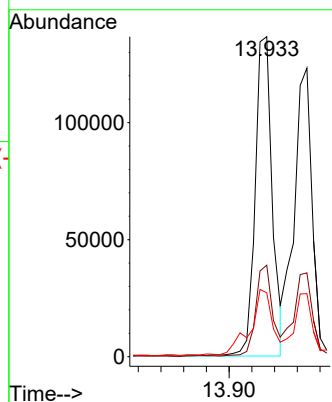
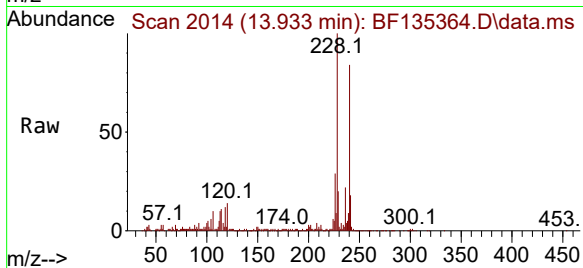
Tgt Ion:228 Resp: 142205

Ion Ratio Lower Upper

228 100

226 28.6 21.7 32.5

229 20.0 15.8 23.8



#83

Chrysene

Concen: 8.497 ng

RT: 13.968 min Scan# 2020

Delta R.T. -0.006 min

Lab File: BF135364.D

Acq: 20 Sep 2023 18:43

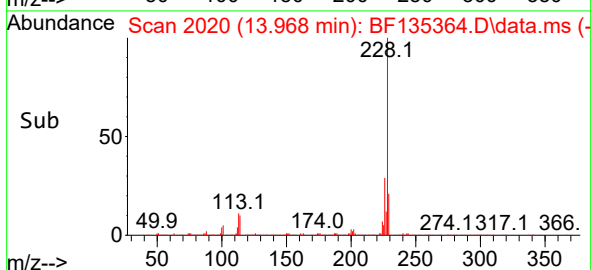
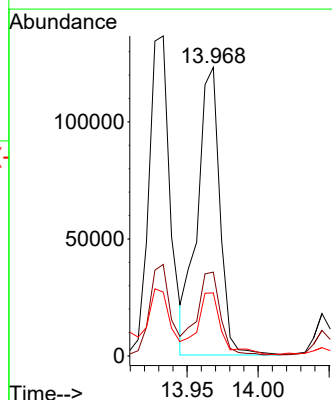
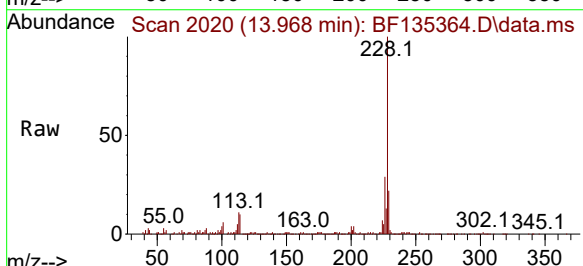
Tgt Ion:228 Resp: 136591

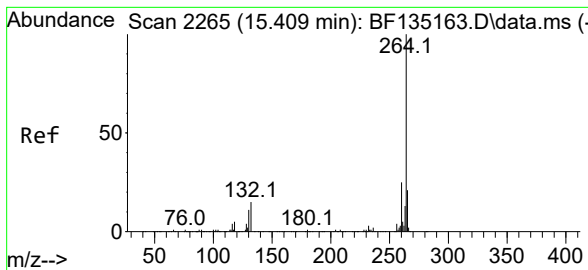
Ion Ratio Lower Upper

228 100

226 29.1 24.3 36.5

229 21.8 16.0 24.0



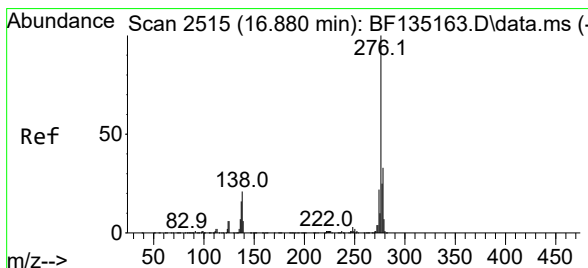
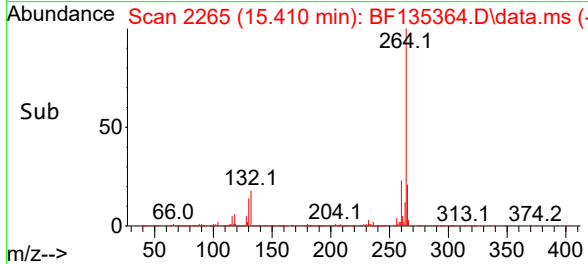
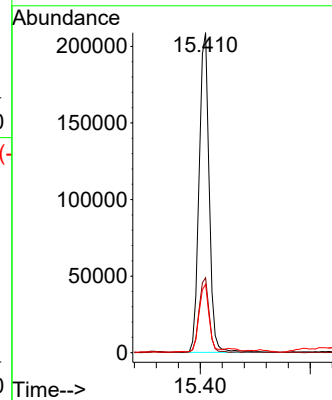
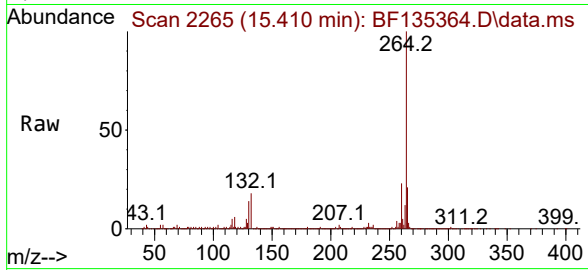


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.410 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF135364.D
Acq: 20 Sep 2023 18:43

Instrument :
BNA_F
ClientSampleId :
B103-04

Tgt Ion:264 Resp: 264513

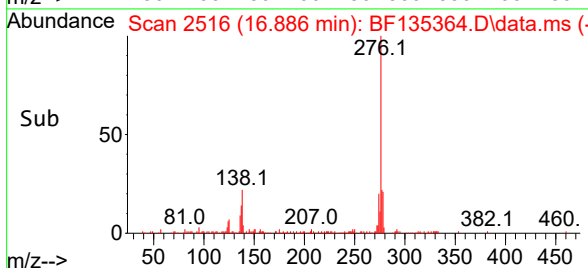
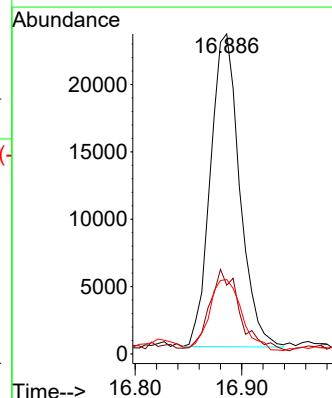
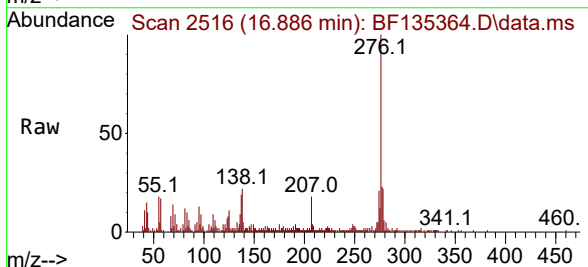
Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.8	29.6
265	21.4	17.0	25.4

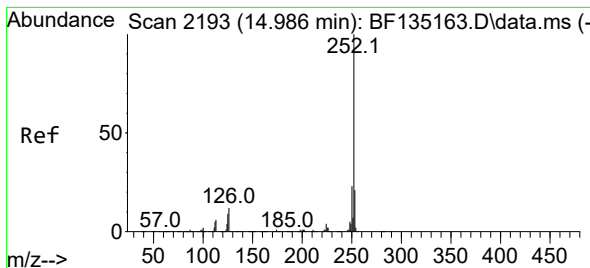


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.557 ng
RT: 16.886 min Scan# 2516
Delta R.T. 0.006 min
Lab File: BF135364.D
Acq: 20 Sep 2023 18:43

Tgt Ion:276 Resp: 44341

Ion	Ratio	Lower	Upper
276	100		
138	27.0	19.2	28.8
277	25.0	19.7	29.5





#88

Benzo(b)fluoranthene

Concen: 14.882 ng

RT: 14.980 min Scan# 2192

Delta R.T. -0.006 min

Lab File: BF135364.D

Acq: 20 Sep 2023 18:43

Instrument :

BNA_F

ClientSampleId :

B103-04

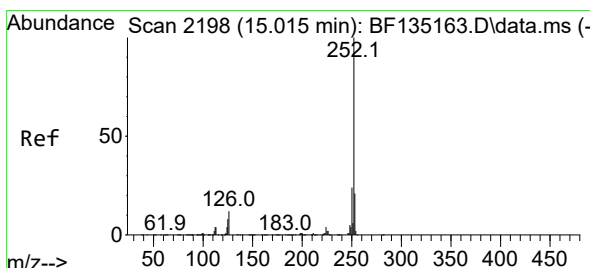
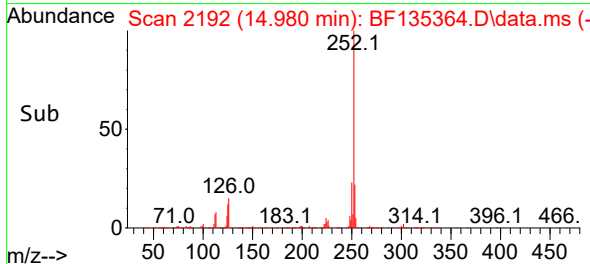
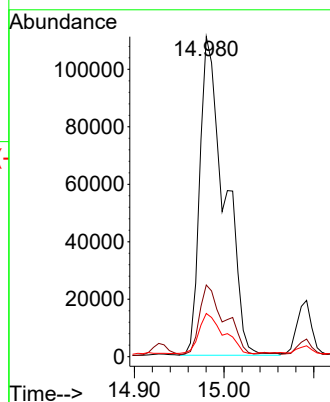
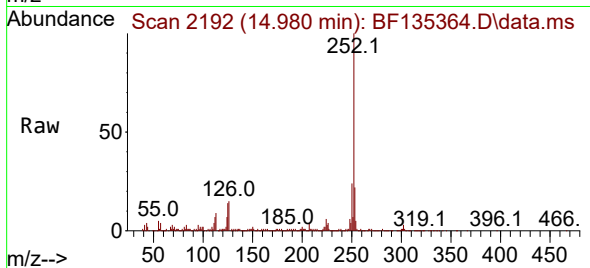
Tgt Ion:252 Resp: 213097

Ion Ratio Lower Upper

252 100

253 22.4 17.2 25.8

125 13.5 7.1 10.7#



#89

Benzo(k)fluoranthene

Concen: 15.066 ng

RT: 14.980 min Scan# 2192

Delta R.T. -0.035 min

Lab File: BF135364.D

Acq: 20 Sep 2023 18:43

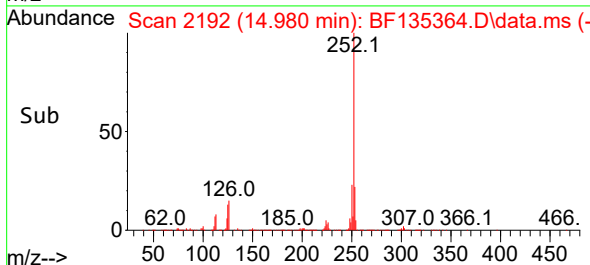
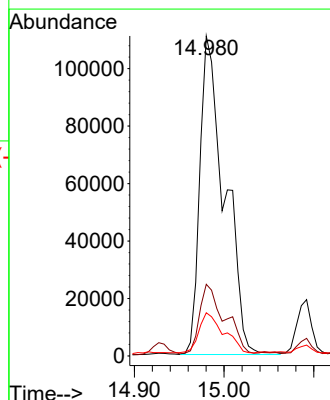
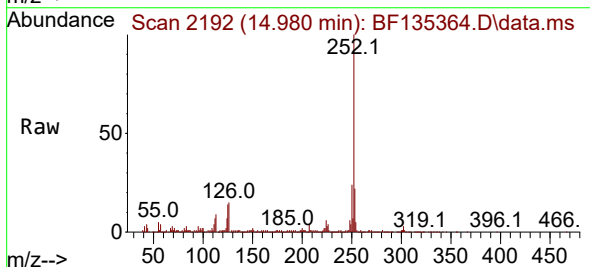
Tgt Ion:252 Resp: 213097

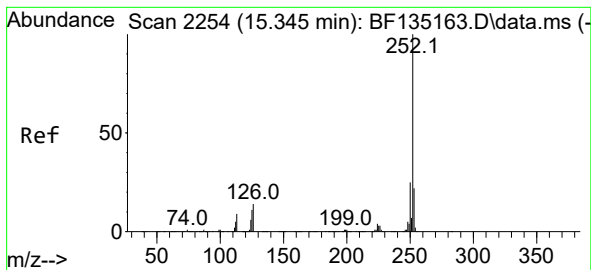
Ion Ratio Lower Upper

252 100

253 22.4 17.4 26.0

125 13.5 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 7.661 ng

RT: 15.345 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF135364.D

Acq: 20 Sep 2023 18:43

Instrument :

BNA_F

ClientSampleId :

B103-04

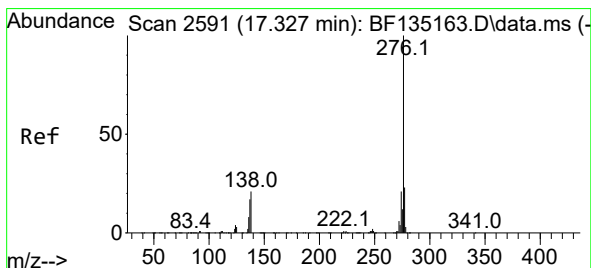
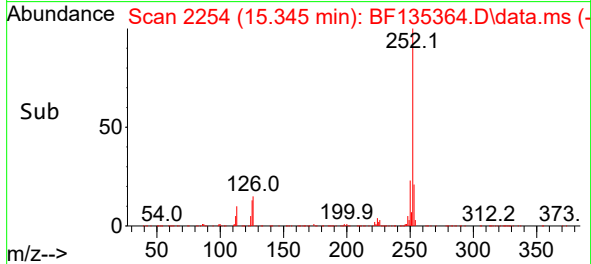
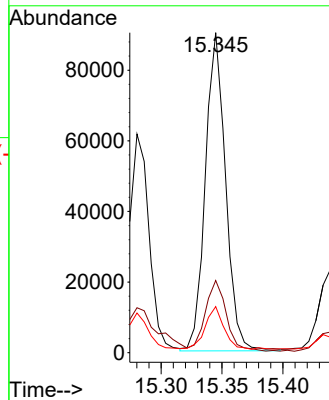
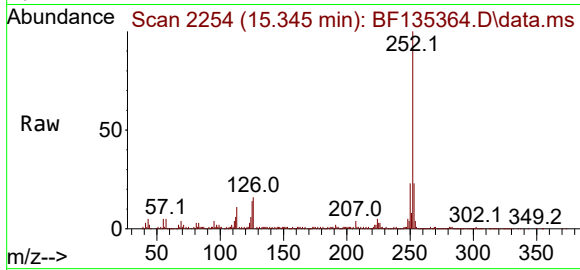
Tgt Ion:252 Resp: 104616

Ion Ratio Lower Upper

252 100

253 22.5 17.5 26.3

125 14.4 9.2 13.8#



#92

Benzo(g,h,i)perylene

Concen: 2.816 ng

RT: 17.333 min Scan# 2592

Delta R.T. 0.006 min

Lab File: BF135364.D

Acq: 20 Sep 2023 18:43

Tgt Ion:276 Resp: 41740

Ion Ratio Lower Upper

276 100

277 22.8 18.8 28.2

138 27.1 16.9 25.3#

