

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091923\
 Data File : BF135343.D
 Acq On : 19 Sep 2023 19:29
 Operator : CG\JU
 Sample : 04460-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DEL-2-RIGHT-SIDE

Quant Time: Sep 20 01:38:22 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)

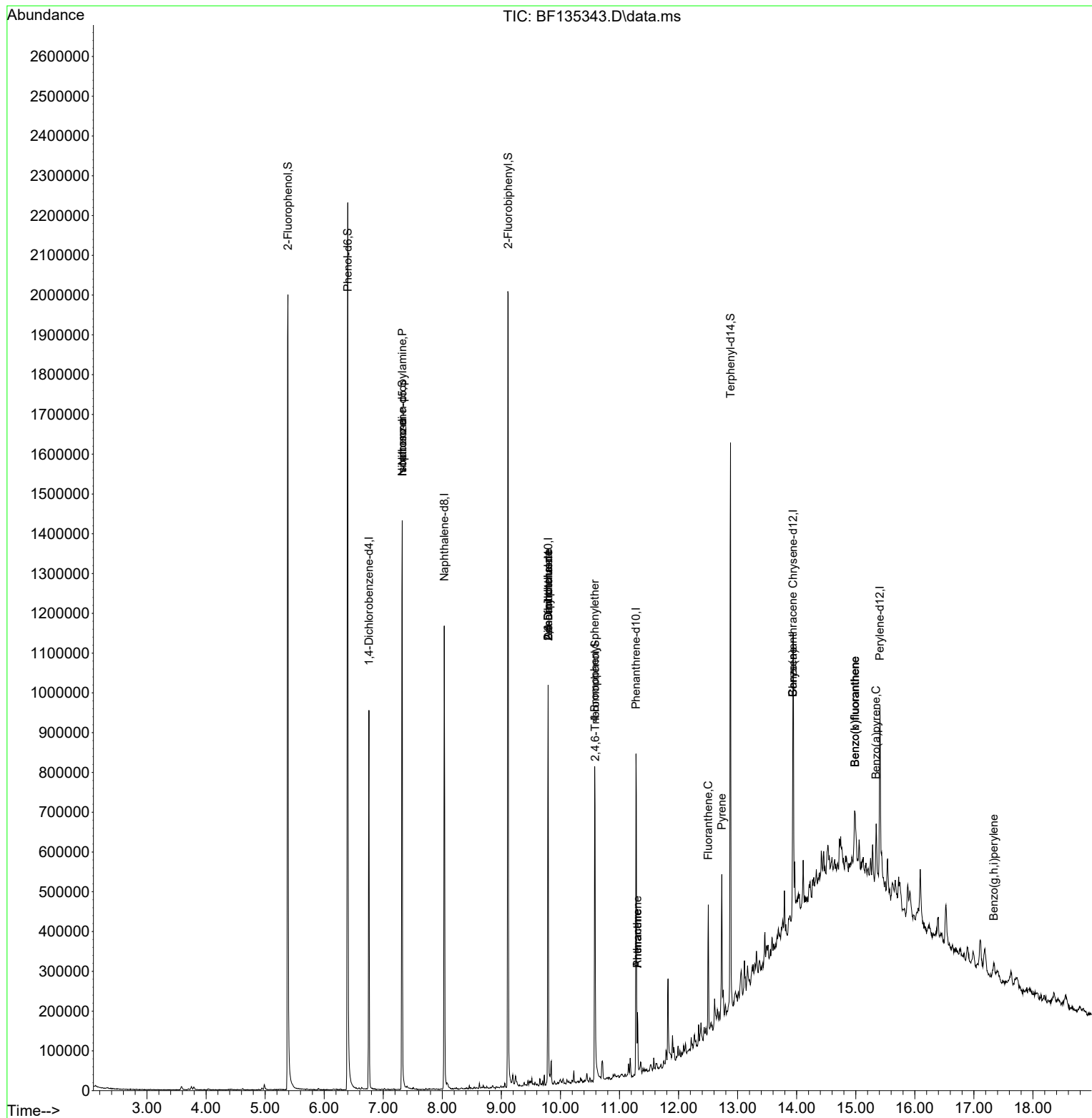
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.757	152	130884	20.000	ng	0.00
21) Naphthalene-d8	8.033	136	474327	20.000	ng	-0.01
39) Acenaphthene-d10	9.792	164	193684	20.000	ng	-0.01
64) Phenanthrene-d10	11.280	188	304673	20.000	ng	#-0.01
76) Chrysene-d12	13.939	240	232702	20.000	ng	0.00
86) Perylene-d12	15.409	264	217855	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.386	112	575876	71.562	ng	0.00
7) Phenol-d6	6.398	99	714999	69.875	ng	0.00
23) Nitrobenzene-d5	7.322	82	421735	48.306	ng	-0.01
42) 2,4,6-Tribromophenol	10.586	330	100481	52.205	ng	-0.01
45) 2-Fluorobiphenyl	9.116	172	678785	52.875	ng	-0.01
79) Terphenyl-d14	12.880	244	504711	33.622	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.322	70	55521	8.760	ng	# 80
25) Isophorone	7.322	82	421729	26.306	ng	# 65
50) Dimethylphthalate	9.792	163	37921	2.896	ng	# 1
51) 2,6-Dinitrotoluene	9.792	165	24977	8.707	ng	# 18
57) 2,4-Dinitrotoluene	9.792	165	24977	6.955	ng	# 19
67) 4-Bromophenyl-phenylether	10.580	248	6583	2.172	ng	# 1
71) Phenanthrene	11.304	178	53388	3.705	ng	99
72) Anthracene	11.304	178	53388	3.604	ng	98
75) Fluoranthene	12.504	202	130716	8.706	ng	99
78) Pyrene	12.733	202	138150	6.236	ng	99
81) Benzo(a)anthracene	13.933	228	66610	4.433	ng	94
83) Chrysene	13.933	228	66610	4.459	ng	96
88) Benzo(b)fluoranthene	14.986	252	96559	8.188	ng	# 83
89) Benzo(k)fluoranthene	14.986	252	96559	8.289	ng	# 83
90) Benzo(a)pyrene	15.345	252	49978	4.444	ng	# 87
92) Benzo(g,h,i)perylene	17.339	276	26518	2.173	ng	# 90

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091923\
Data File : BF135343.D
Acq On : 19 Sep 2023 19:29
Operator : CG\JU
Sample : 04460-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DEL-2-RIGHT-SIDE

Quant Time: Sep 20 01:38:22 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

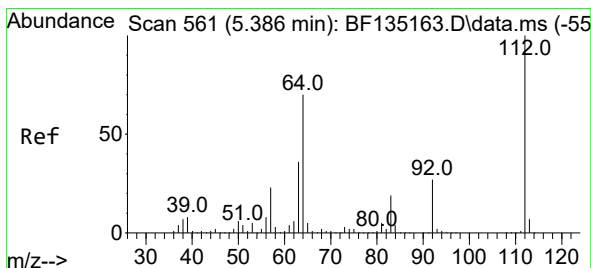
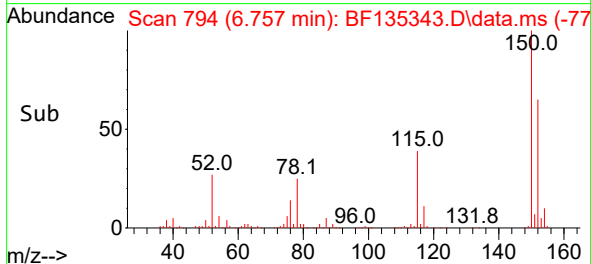
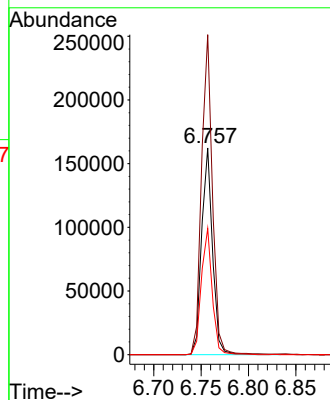
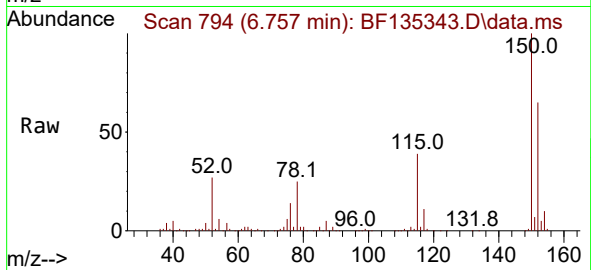




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.757 min Scan# 795
 Delta R.T. -0.006 min
 Lab File: BF135343.D
 Acq: 19 Sep 2023 19:29

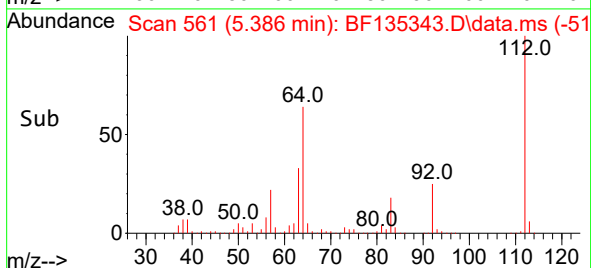
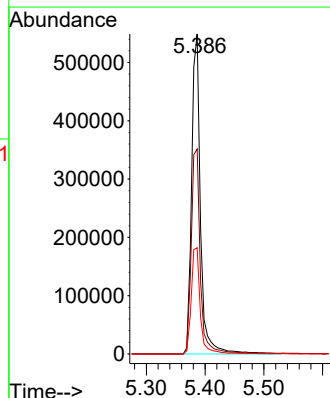
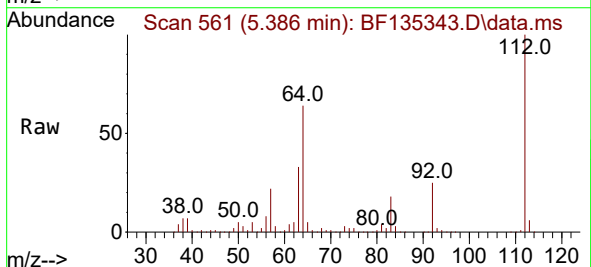
Instrument :
 BNA_F
 ClientSampleId :
 DEL-2-RIGHT-SIDE

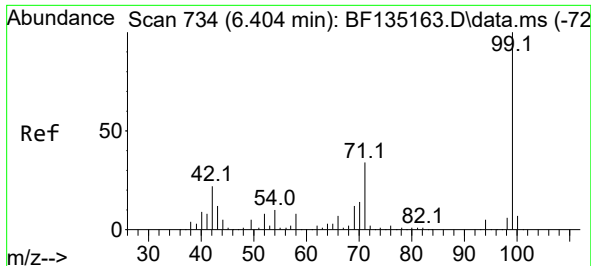
Tgt Ion:152 Resp: 130884
 Ion Ratio Lower Upper
 152 100
 150 154.7 127.8 191.6
 115 61.1 49.8 74.8



#5
 2-Fluorophenol
 Concen: 71.562 ng
 RT: 5.386 min Scan# 561
 Delta R.T. 0.000 min
 Lab File: BF135343.D
 Acq: 19 Sep 2023 19:29

Tgt Ion:112 Resp: 575876
 Ion Ratio Lower Upper
 112 100
 64 64.0 55.9 83.9
 63 33.2 29.0 43.6

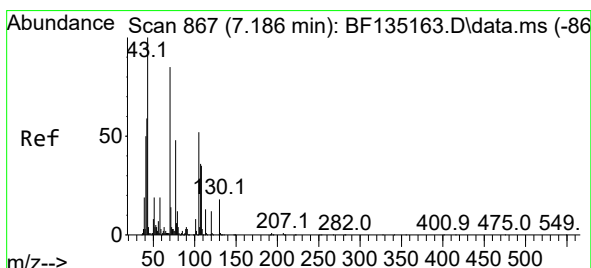
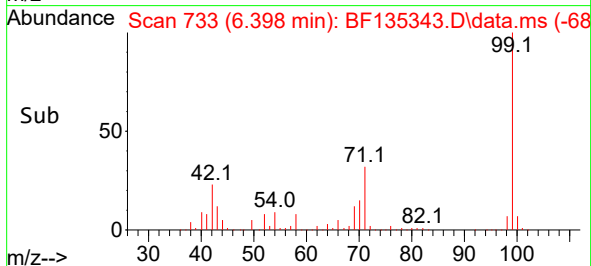
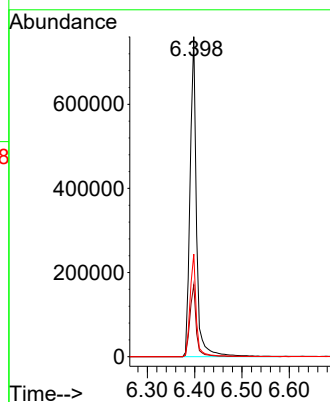
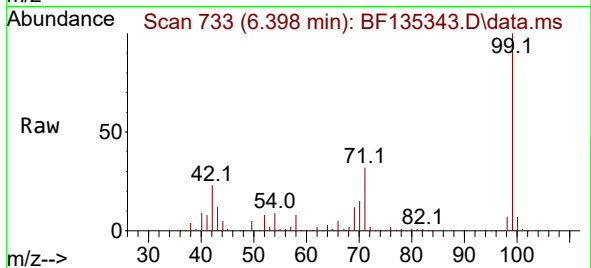




#7
Phenol-d6
Concen: 69.875 ng
RT: 6.398 min Scan# 714
Delta R.T. -0.006 min
Lab File: BF135343.D
Acq: 19 Sep 2023 19:29

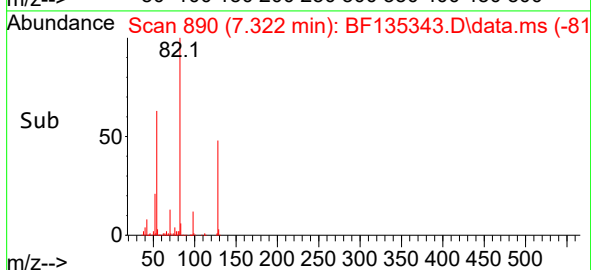
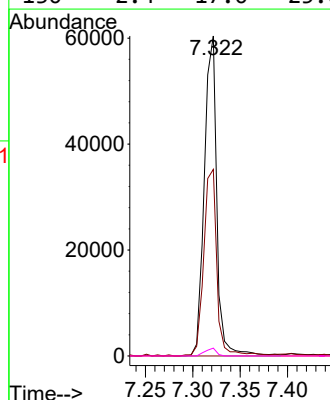
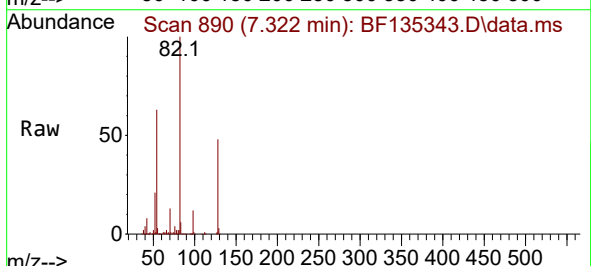
Instrument :
BNA_F
ClientSampleId :
DEL-2-RIGHT-SIDE

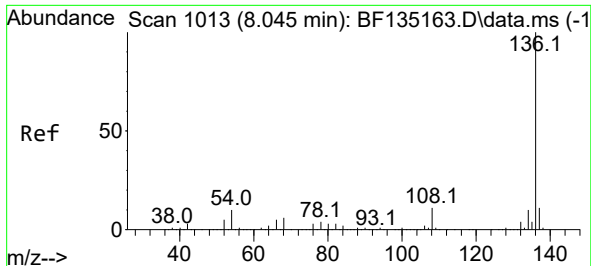
Tgt Ion: 99 Resp: 714999
Ion Ratio Lower Upper
99 100
42 22.5 17.9 26.9
71 32.0 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 8.760 ng
RT: 7.322 min Scan# 890
Delta R.T. 0.135 min
Lab File: BF135343.D
Acq: 19 Sep 2023 19:29

Tgt Ion: 70 Resp: 55521
Ion Ratio Lower Upper
70 100
42 58.3 55.4 83.0
101 0.0 7.7 11.5#
130 2.4 17.0 25.6#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.033 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF135343.D

Acq: 19 Sep 2023 19:29

Instrument :

BNA_F

ClientSampleId :

DEL-2-RIGHT-SIDE

Tgt Ion:136 Resp: 474327

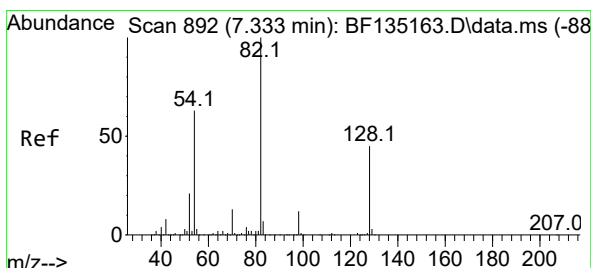
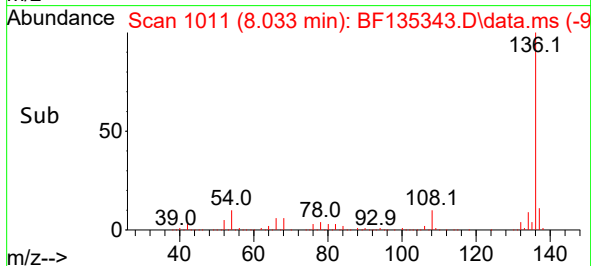
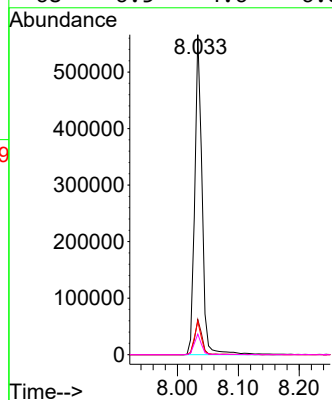
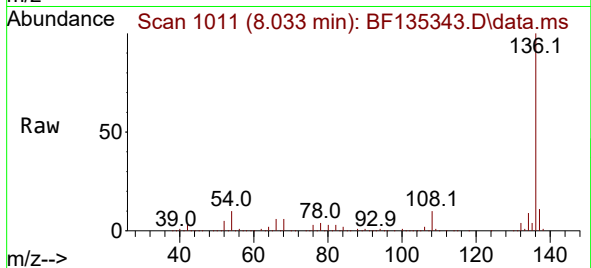
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 10.3 7.7 11.5

68 6.5 4.6 6.8



#23

Nitrobenzene-d5

Concen: 48.306 ng

RT: 7.322 min Scan# 890

Delta R.T. -0.012 min

Lab File: BF135343.D

Acq: 19 Sep 2023 19:29

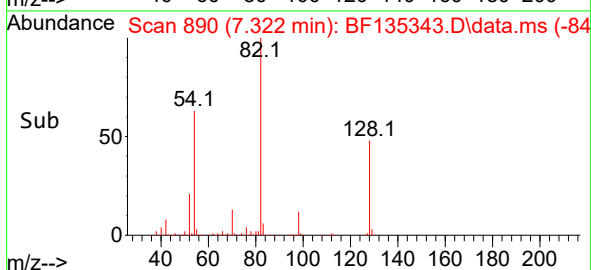
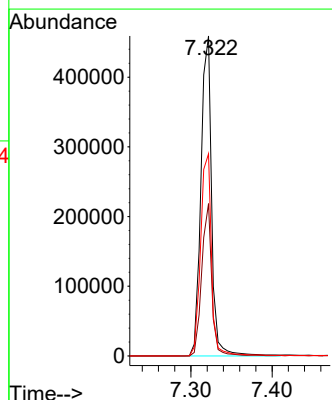
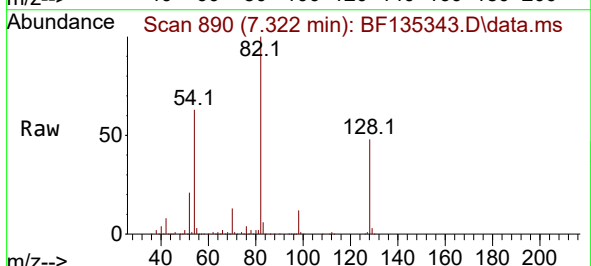
Tgt Ion: 82 Resp: 421735

Ion Ratio Lower Upper

82 100

128 47.6 35.8 53.6

54 63.2 50.6 76.0

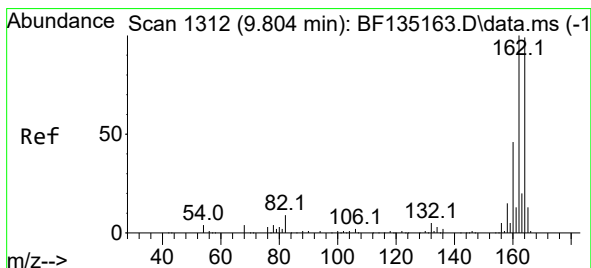
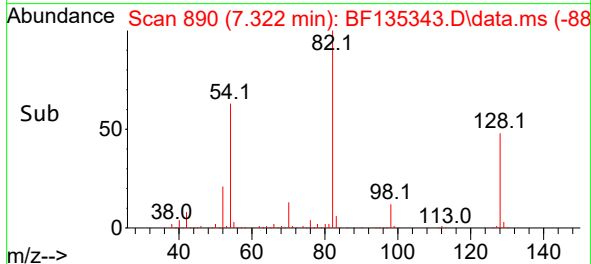
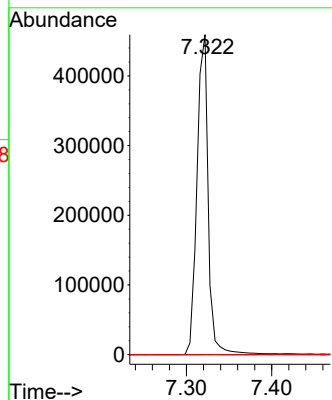
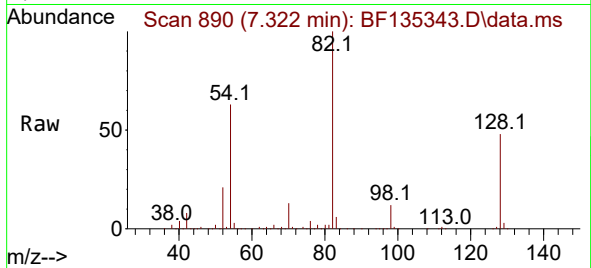




#25
Isophorone
Concen: 26.306 ng
RT: 7.322 min Scan# 89
Delta R.T. -0.271 min
Lab File: BF135343.D
Acq: 19 Sep 2023 19:29

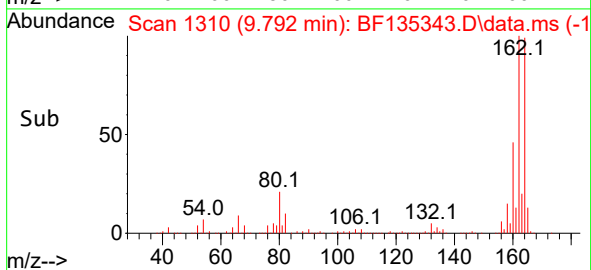
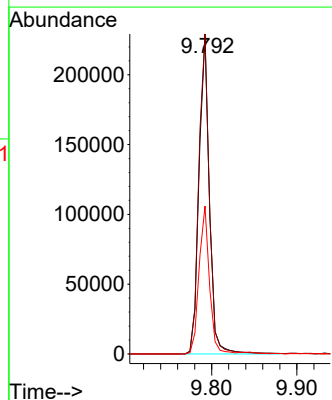
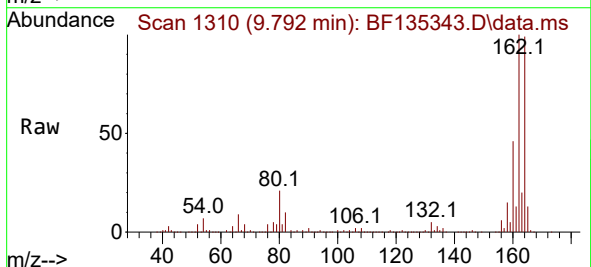
Instrument :
BNA_F
ClientSampleId :
DEL-2-RIGHT-SIDE

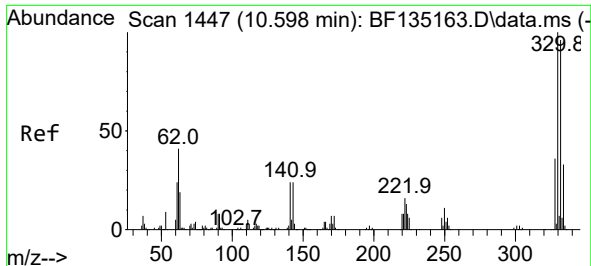
Tgt Ion: 82 Resp: 421729
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.792 min Scan# 1310
Delta R.T. -0.012 min
Lab File: BF135343.D
Acq: 19 Sep 2023 19:29

Tgt Ion:164 Resp: 193684
Ion Ratio Lower Upper
164 100
162 100.8 81.0 121.4
160 46.6 37.0 55.4





#42

2,4,6-Tribromophenol

Concen: 52.205 ng

RT: 10.586 min Scan# 1445

Delta R.T. -0.012 min

Lab File: BF135343.D

Acq: 19 Sep 2023 19:29

Instrument :

BNA_F

ClientSampleId :

DEL-2-RIGHT-SIDE

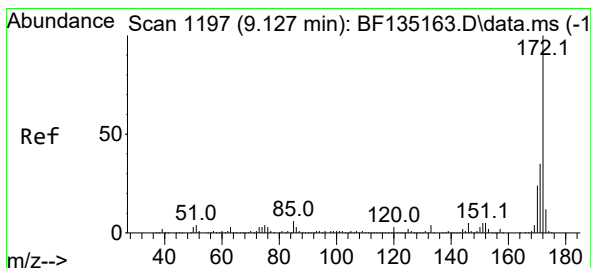
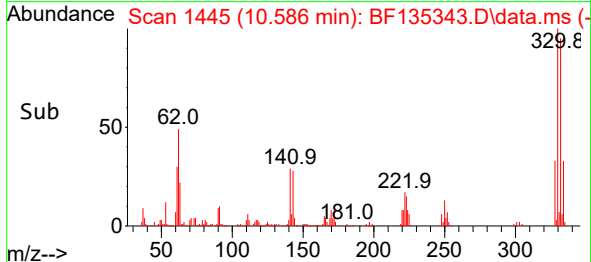
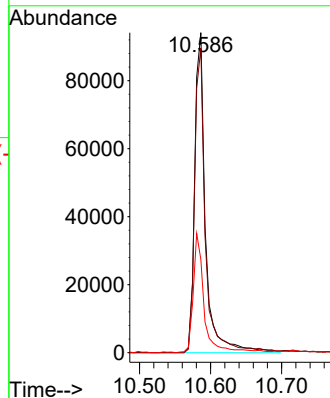
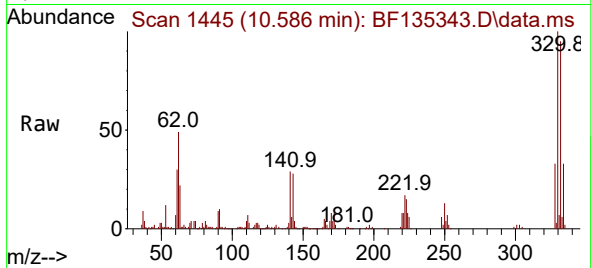
Tgt Ion:330 Resp: 100481

Ion Ratio Lower Upper

330 100

332 95.2 77.3 115.9

141 37.6 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 52.875 ng

RT: 9.116 min Scan# 1195

Delta R.T. -0.012 min

Lab File: BF135343.D

Acq: 19 Sep 2023 19:29

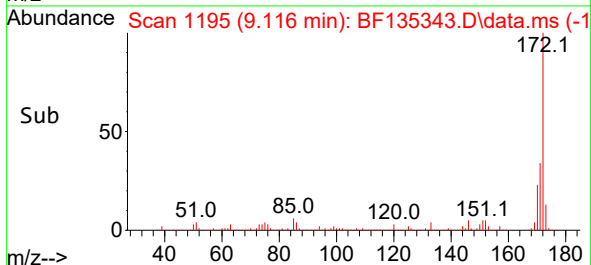
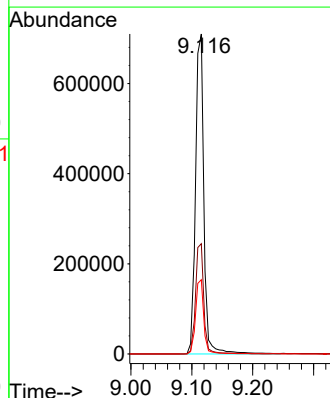
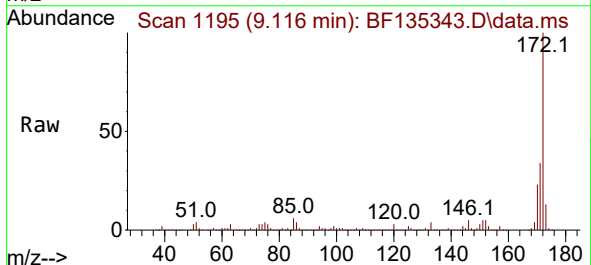
Tgt Ion:172 Resp: 678785

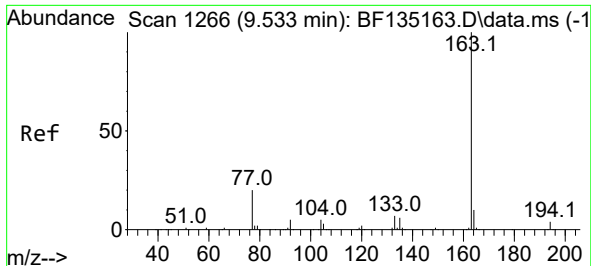
Ion Ratio Lower Upper

172 100

171 34.5 28.4 42.6

170 23.2 19.0 28.4

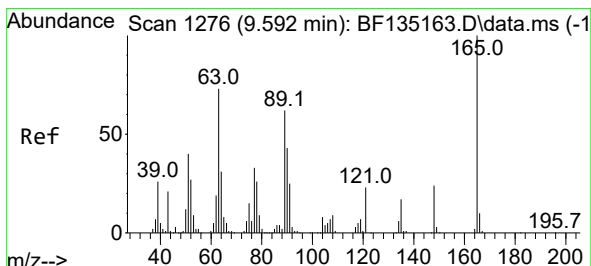
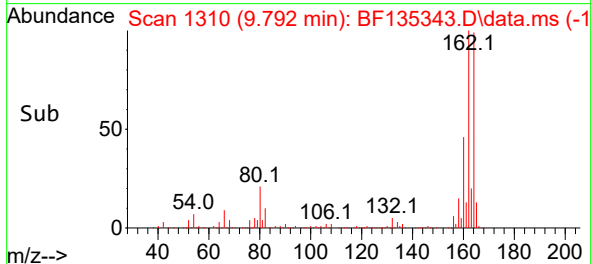
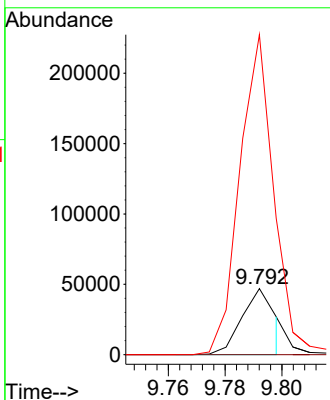
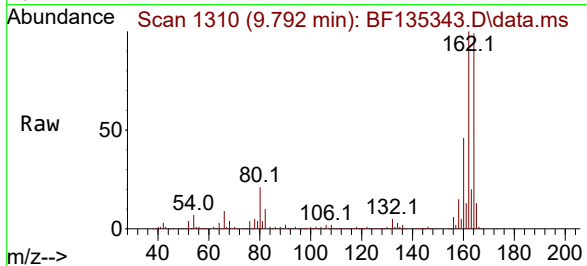




#50
Dimethylphthalate
Concen: 2.896 ng
RT: 9.792 min Scan# 1310
Delta R.T. 0.259 min
Lab File: BF135343.D
Acq: 19 Sep 2023 19:29

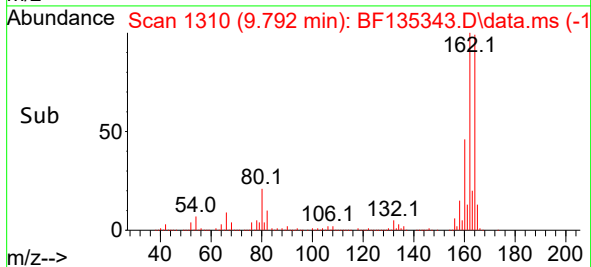
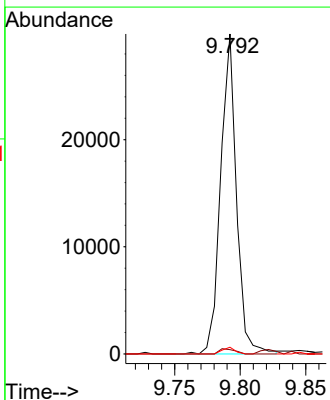
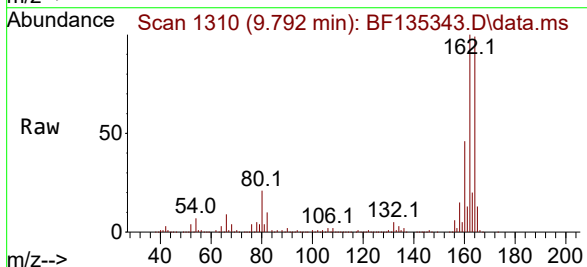
Instrument :
BNA_F
ClientSampleId :
DEL-2-RIGHT-SIDE

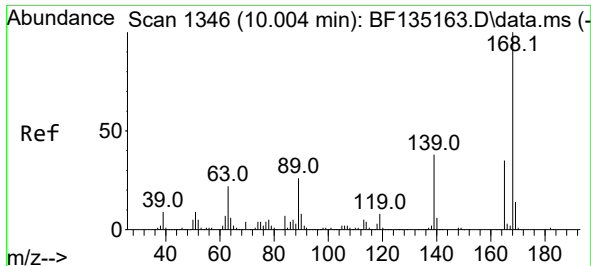
Tgt Ion:163 Resp: 37921
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 484.2 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 8.707 ng
RT: 9.792 min Scan# 1310
Delta R.T. 0.200 min
Lab File: BF135343.D
Acq: 19 Sep 2023 19:29

Tgt Ion:165 Resp: 24977
Ion Ratio Lower Upper
165 100
63 1.4 59.4 89.2#
89 2.1 49.8 74.8#

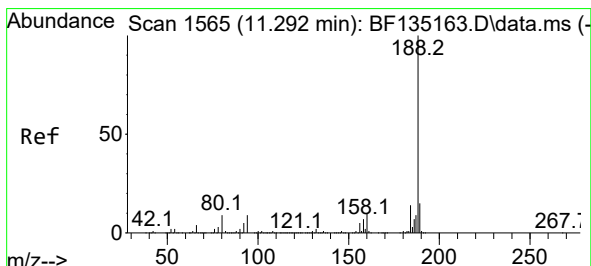
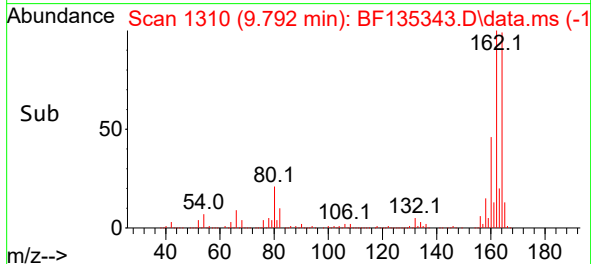
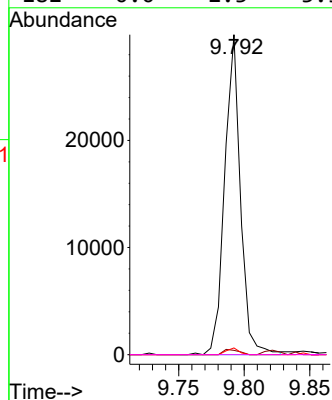
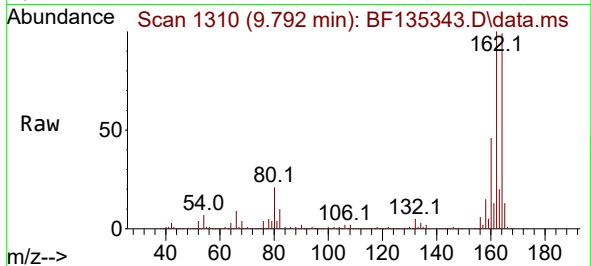




#57
2,4-Dinitrotoluene
Concen: 6.955 ng
RT: 9.792 min Scan# 11
Delta R.T. -0.212 min
Lab File: BF135343.D
Acq: 19 Sep 2023 19:29

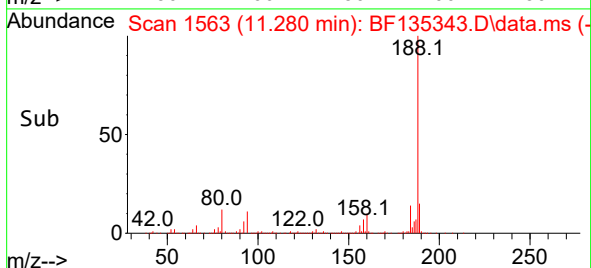
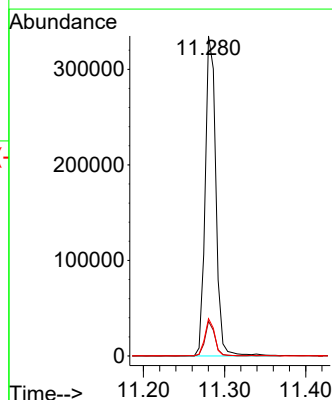
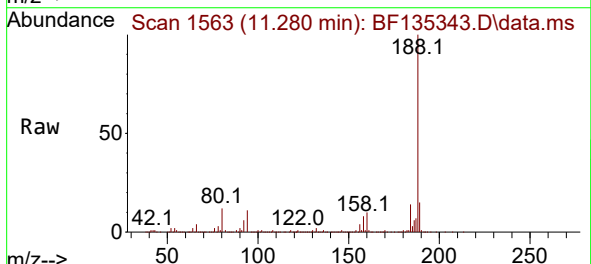
Instrument :
BNA_F
ClientSampleId :
DEL-2-RIGHT-SIDE

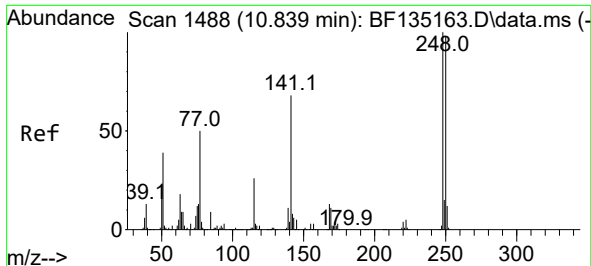
Tgt Ion:165 Resp: 24977
Ion Ratio Lower Upper
165 100
63 1.4 50.1 75.1#
89 2.1 59.3 88.9#
182 0.0 2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.280 min Scan# 1563
Delta R.T. -0.012 min
Lab File: BF135343.D
Acq: 19 Sep 2023 19:29

Tgt Ion:188 Resp: 304673
Ion Ratio Lower Upper
188 100
94 10.9 7.0 10.6#
80 11.7 7.5 11.3#

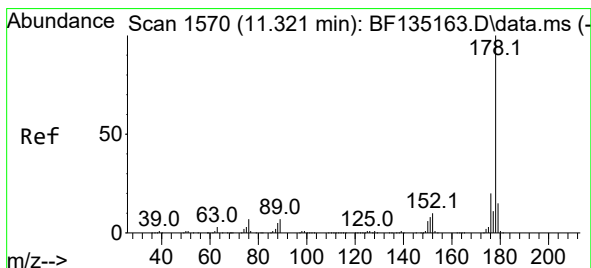
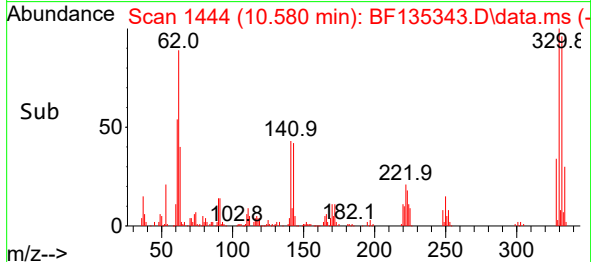
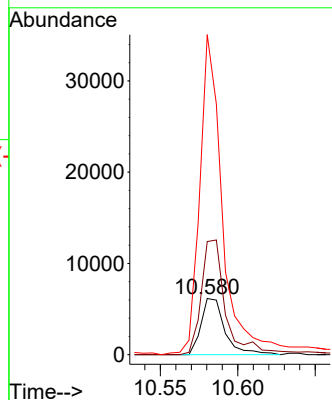
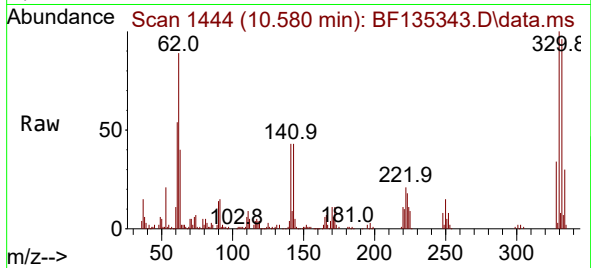




#67
4-Bromophenyl-phenylether
Concen: 2.172 ng
RT: 10.580 min Scan# 1488
Delta R.T. -0.259 min
Lab File: BF135343.D
Acq: 19 Sep 2023 19:29

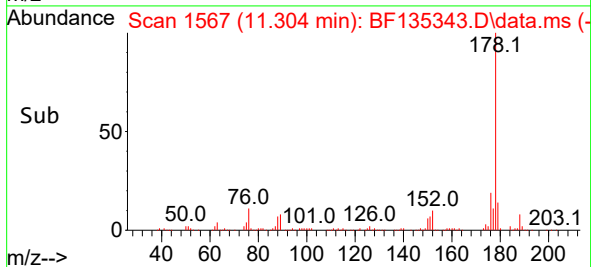
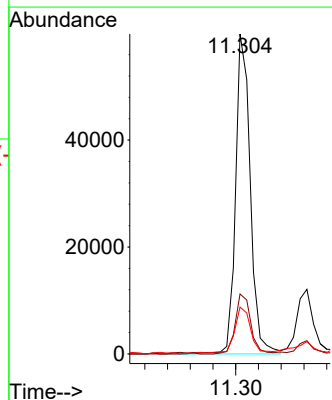
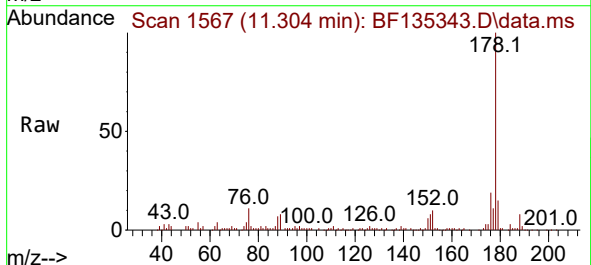
Instrument :
BNA_F
ClientSampleId :
DEL-2-RIGHT-SIDE

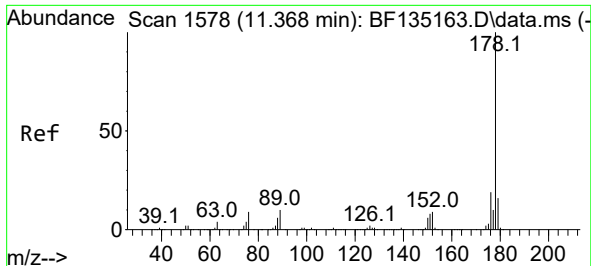
Tgt Ion:248 Resp: 6583
Ion Ratio Lower Upper
248 100
250 201.4 78.6 117.8#
141 569.6 54.2 81.2#



#71
Phenanthrene
Concen: 3.705 ng
RT: 11.304 min Scan# 1567
Delta R.T. -0.018 min
Lab File: BF135343.D
Acq: 19 Sep 2023 19:29

Tgt Ion:178 Resp: 53388
Ion Ratio Lower Upper
178 100
176 18.7 15.6 23.4
179 14.7 12.0 18.0

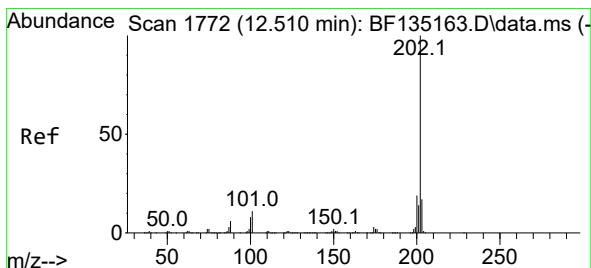
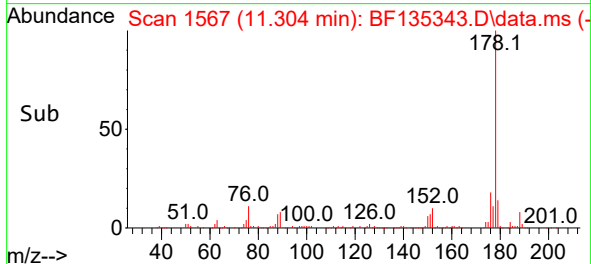
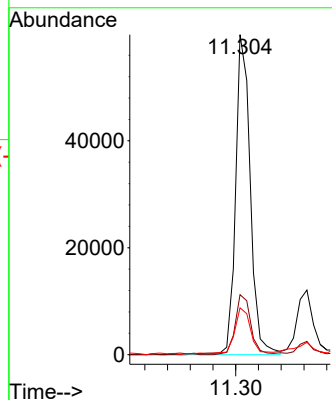
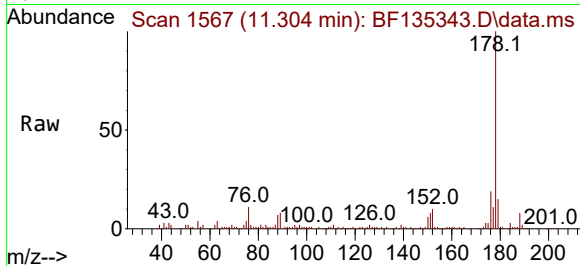




#72
 Anthracene
 Concen: 3.604 ng
 RT: 11.304 min Scan# 11
 Delta R.T. -0.065 min
 Lab File: BF135343.D
 Acq: 19 Sep 2023 19:29

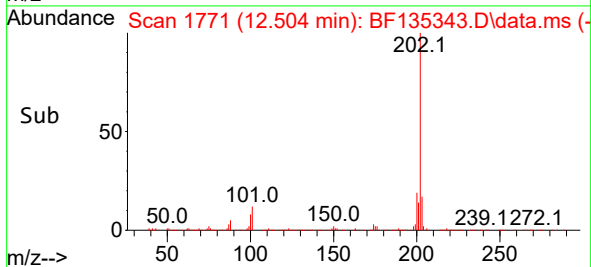
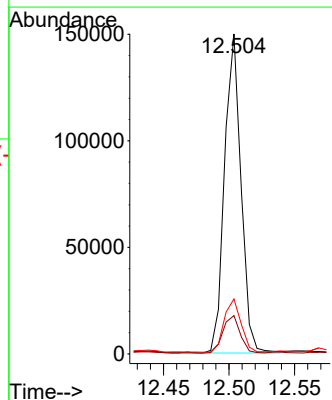
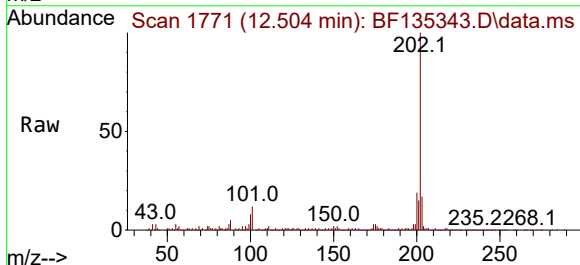
Instrument :
 BNA_F
 ClientSampleId :
 DEL-2-RIGHT-SIDE

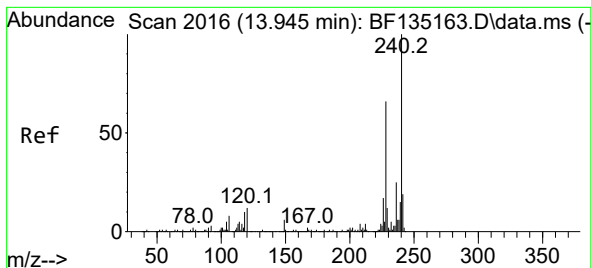
Tgt Ion:178 Resp: 53388
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.4 23.2
 179 14.7 12.6 19.0



#75
 Fluoranthene
 Concen: 8.706 ng
 RT: 12.504 min Scan# 1771
 Delta R.T. -0.006 min
 Lab File: BF135343.D
 Acq: 19 Sep 2023 19:29

Tgt Ion:202 Resp: 130716
 Ion Ratio Lower Upper
 202 100
 101 12.0 0.0 31.3
 203 17.2 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.939 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF135343.D

Acq: 19 Sep 2023 19:29

Instrument :

BNA_F

ClientSampleId :

DEL-2-RIGHT-SIDE

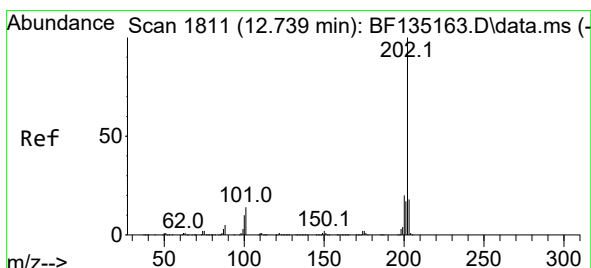
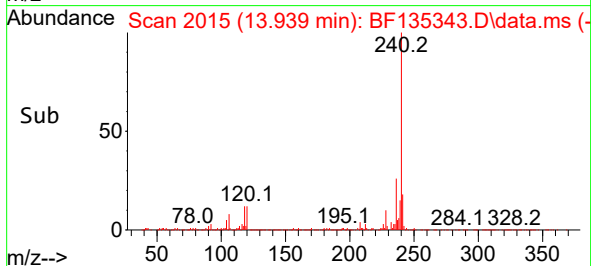
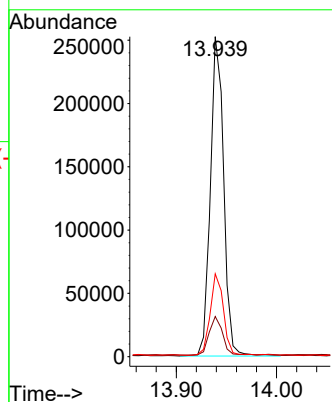
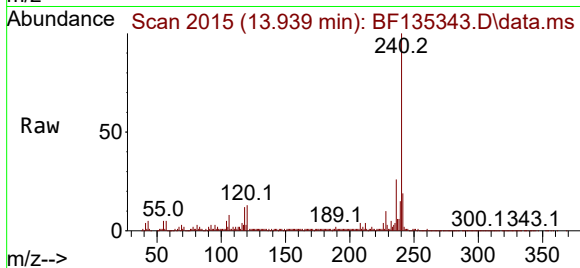
Tgt Ion:240 Resp: 232702

Ion Ratio Lower Upper

240 100

120 12.5 9.4 14.2

236 25.9 19.8 29.8



#78

Pyrene

Concen: 6.236 ng

RT: 12.733 min Scan# 1810

Delta R.T. -0.006 min

Lab File: BF135343.D

Acq: 19 Sep 2023 19:29

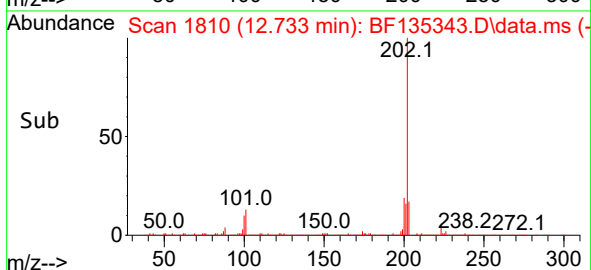
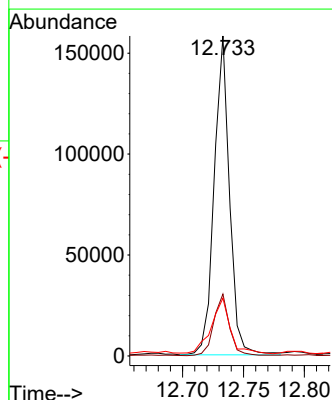
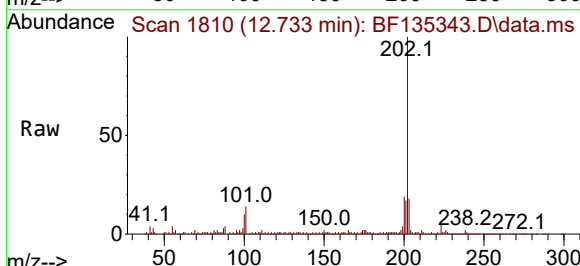
Tgt Ion:202 Resp: 138150

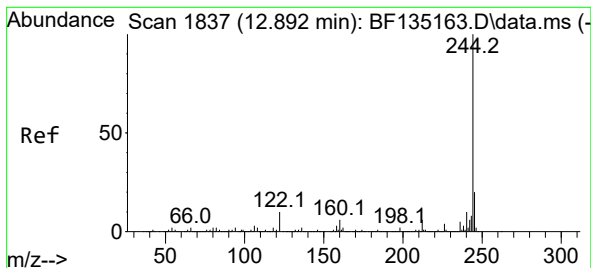
Ion Ratio Lower Upper

202 100

200 19.4 16.2 24.2

203 18.0 14.2 21.4





#79

Terphenyl-d14

Concen: 33.622 ng

RT: 12.880 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF135343.D

Acq: 19 Sep 2023 19:29

Instrument :

BNA_F

ClientSampleId :

DEL-2-RIGHT-SIDE

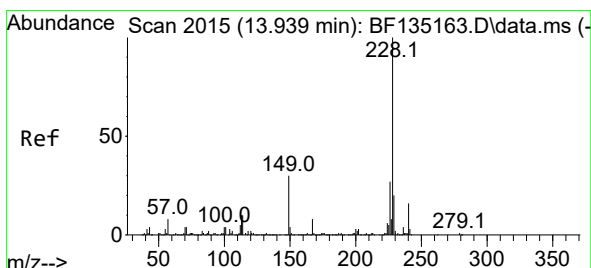
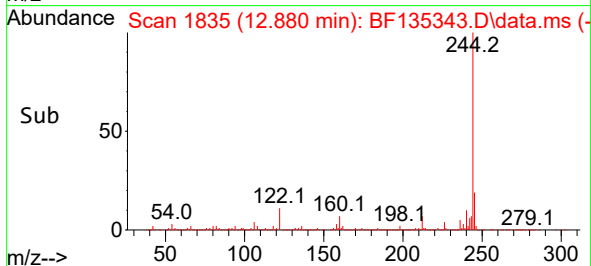
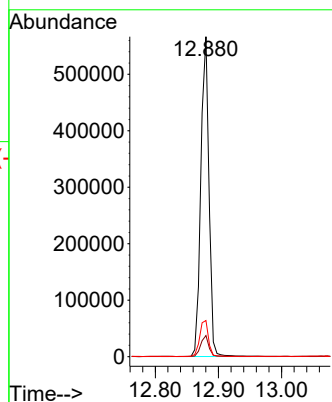
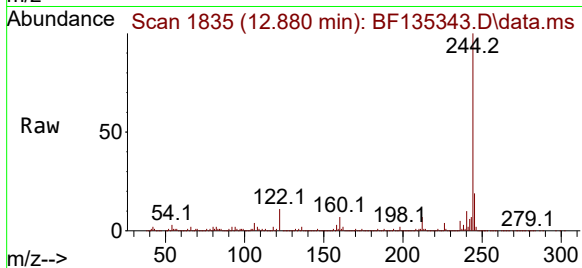
Tgt Ion:244 Resp: 504711

Ion Ratio Lower Upper

244 100

212 6.6 5.1 7.7

122 11.3 7.9 11.9



#81

Benzo(a)anthracene

Concen: 4.433 ng

RT: 13.933 min Scan# 2014

Delta R.T. -0.006 min

Lab File: BF135343.D

Acq: 19 Sep 2023 19:29

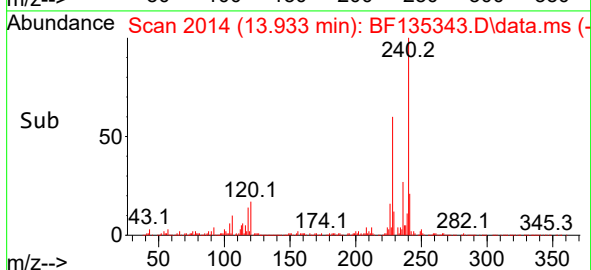
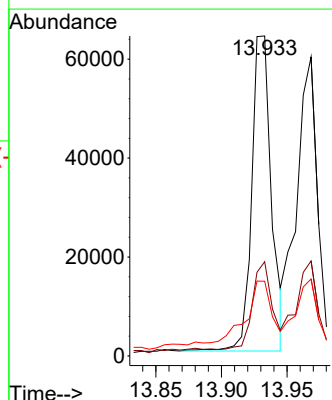
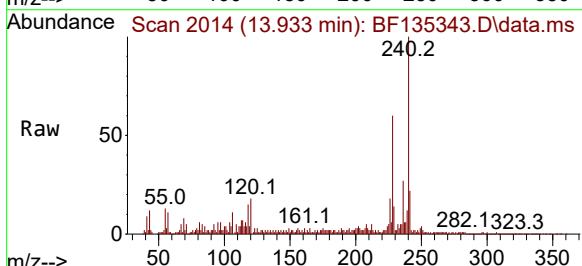
Tgt Ion:228 Resp: 66610

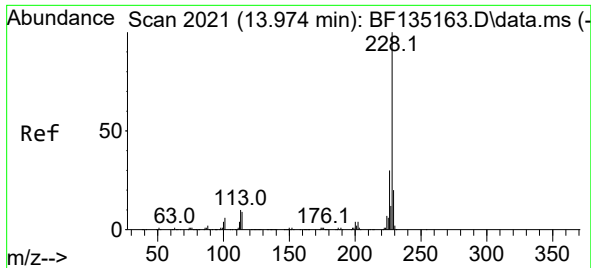
Ion Ratio Lower Upper

228 100

226 29.5 21.7 32.5

229 23.3 15.8 23.8

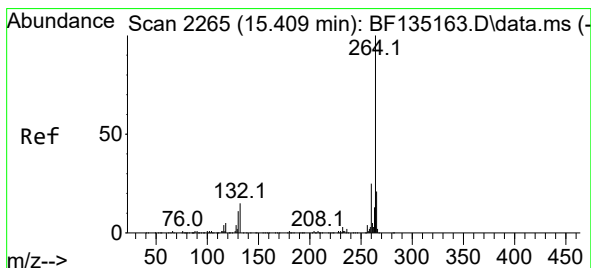
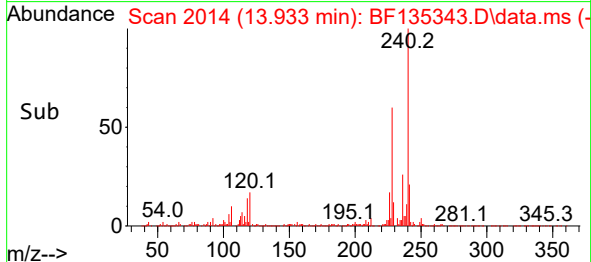
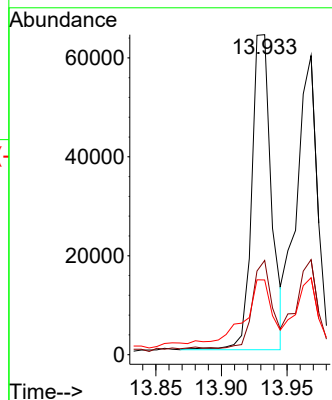
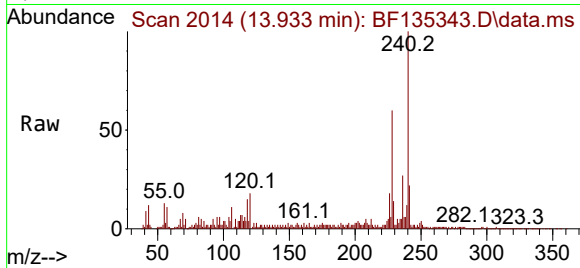




#83
Chrysene
Concen: 4.459 ng
RT: 13.933 min Scan# 20
Delta R.T. -0.041 min
Lab File: BF135343.D
Acq: 19 Sep 2023 19:29

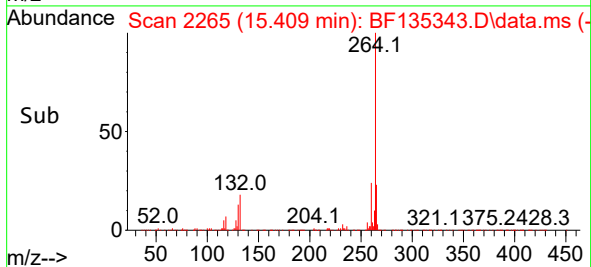
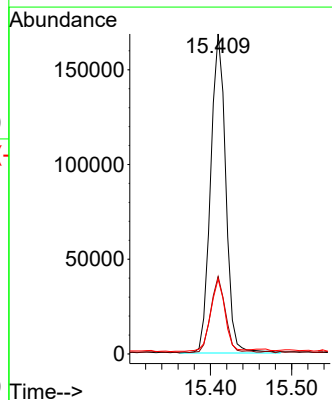
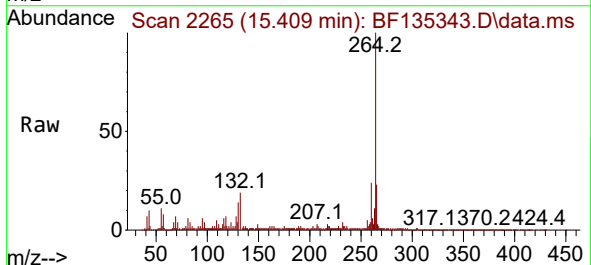
Instrument :
BNA_F
ClientSampleId :
DEL-2-RIGHT-SIDE

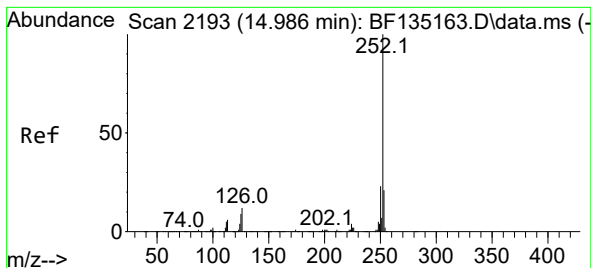
Tgt Ion:228 Resp: 66610
Ion Ratio Lower Upper
228 100
226 29.5 24.3 36.5
229 23.3 16.0 24.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.409 min Scan# 2265
Delta R.T. 0.000 min
Lab File: BF135343.D
Acq: 19 Sep 2023 19:29

Tgt Ion:264 Resp: 217855
Ion Ratio Lower Upper
264 100
260 24.2 19.8 29.6
265 23.4 17.0 25.4





#88

Benzo(b)fluoranthene

Concen: 8.188 ng

RT: 14.986 min Scan# 2193

Delta R.T. 0.000 min

Lab File: BF135343.D

Acq: 19 Sep 2023 19:29

Instrument :

BNA_F

ClientSampleId :

DEL-2-RIGHT-SIDE

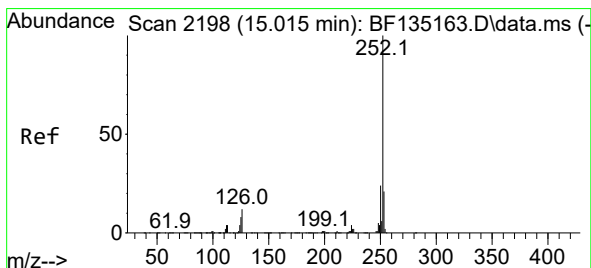
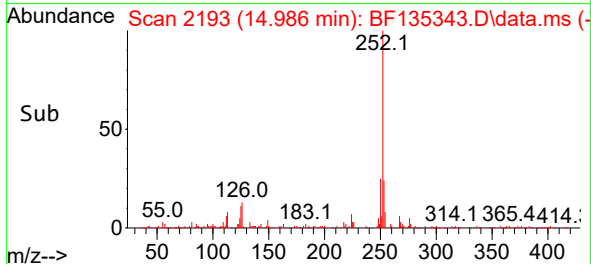
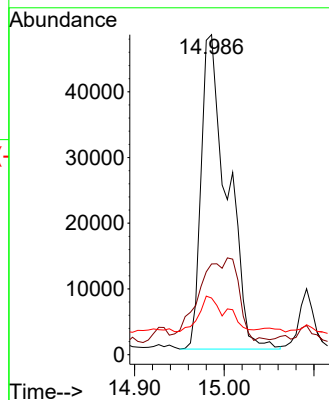
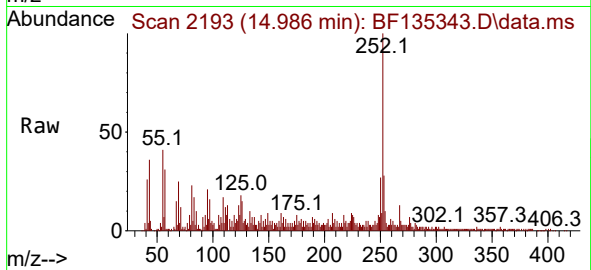
Tgt Ion:252 Resp: 96559

Ion Ratio Lower Upper

252 100

253 28.4 17.2 25.8#

125 17.7 7.1 10.7#



#89

Benzo(k)fluoranthene

Concen: 8.289 ng

RT: 14.986 min Scan# 2193

Delta R.T. -0.029 min

Lab File: BF135343.D

Acq: 19 Sep 2023 19:29

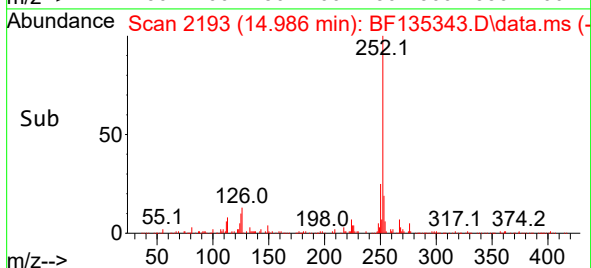
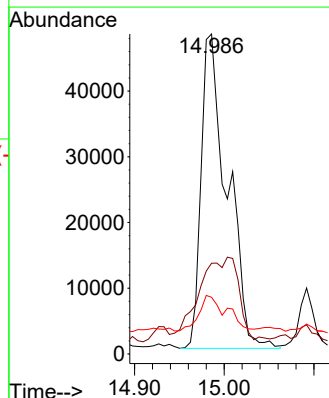
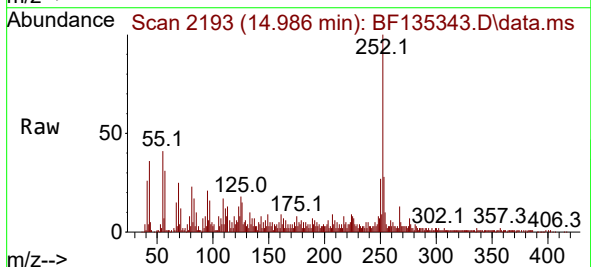
Tgt Ion:252 Resp: 96559

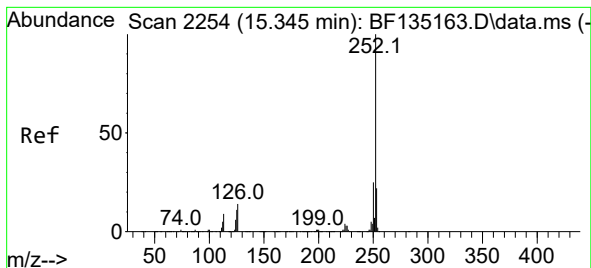
Ion Ratio Lower Upper

252 100

253 28.4 17.4 26.0#

125 17.7 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 4.444 ng

RT: 15.345 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF135343.D

Acq: 19 Sep 2023 19:29

Instrument :

BNA_F

ClientSampleId :

DEL-2-RIGHT-SIDE

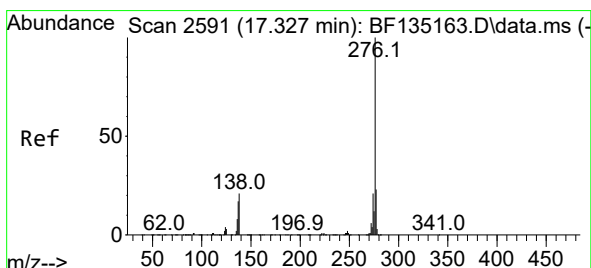
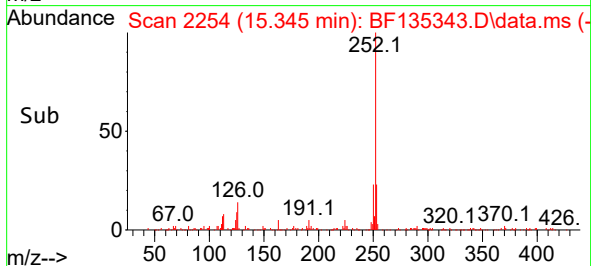
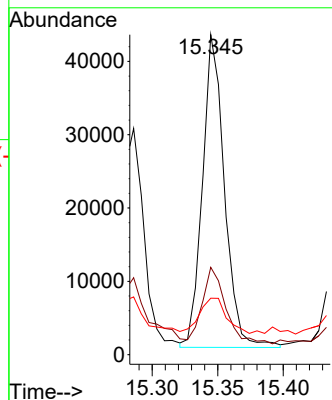
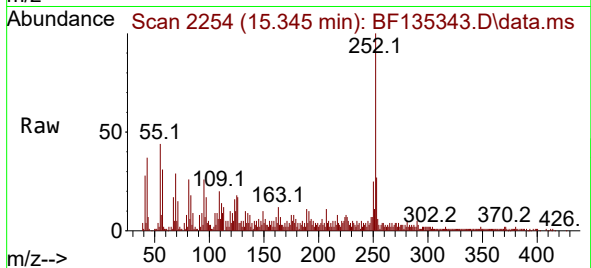
Tgt Ion:252 Resp: 49978

Ion Ratio Lower Upper

252 100

253 27.3 17.5 26.3#

125 17.7 9.2 13.8#



#92

Benzo(g,h,i)perylene

Concen: 2.173 ng

RT: 17.339 min Scan# 2593

Delta R.T. 0.012 min

Lab File: BF135343.D

Acq: 19 Sep 2023 19:29

Tgt Ion:276 Resp: 26518

Ion Ratio Lower Upper

276 100

277 28.8 18.8 28.2#

138 25.1 16.9 25.3

