

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091823\
 Data File : BF135324.D
 Acq On : 19 Sep 2023 00:28
 Operator : CG\JU
 Sample : 04424-01 10X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-09132023

Quant Time: Sep 19 00:53:00 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)

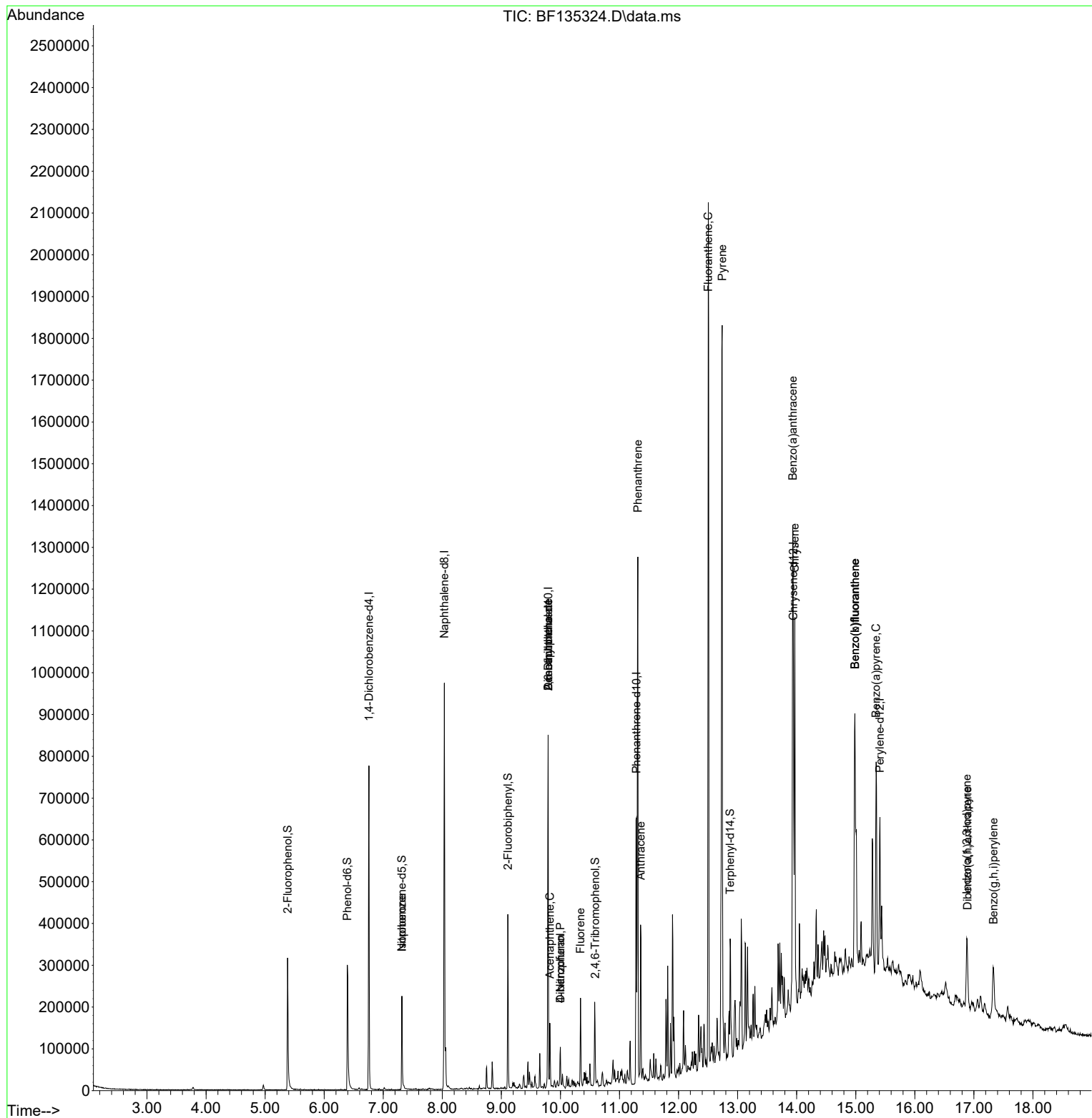
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.757	152	106615	20.000	ng	0.00
21) Naphthalene-d8	8.034	136	382406	20.000	ng	-0.01
39) Acenaphthene-d10	9.792	164	157735	20.000	ng	-0.01
64) Phenanthrene-d10	11.286	188	253356	20.000	ng	0.00
76) Chrysene-d12	13.945	240	200432	20.000	ng	0.00
86) Perylene-d12	15.410	264	166804	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	91479	13.955	ng	0.00
7) Phenol-d6	6.392	99	113529	13.620	ng	-0.01
23) Nitrobenzene-d5	7.316	82	64279	9.132	ng	-0.02
42) 2,4,6-Tribromophenol	10.586	330	16834	10.739	ng	-0.01
45) 2-Fluorobiphenyl	9.110	172	118973	11.380	ng	-0.02
79) Terphenyl-d14	12.874	244	94986	7.346	ng	-0.02
Target Compounds						Qvalue
25) Isophorone	7.316	82	64279	4.973	ng	# 65
50) Dimethylphthalate	9.792	163	32007	3.001	ng	# 1
51) 2,6-Dinitrotoluene	9.792	165	21020	8.997	ng	# 18
52) Acenaphthene	9.822	154	27830	3.223	ng	98
55) Dibenzofuran	9.998	168	30292	2.299	ng	# 95
56) 4-Nitrophenol	9.998	139	11721	6.725	ng	# 5
58) Fluorene	10.339	166	56954	5.623	ng	93
71) Phenanthrene	11.310	178	450855	37.626	ng	99
72) Anthracene	11.357	178	144824	11.758	ng	99
75) Fluoranthene	12.504	202	867787	69.502	ng	100
78) Pyrene	12.739	202	819777	42.959	ng	100
81) Benzo(a)anthracene	13.933	228	431028	33.303	ng	99
83) Chrysene	13.968	228	338782	26.328	ng	97
87) Indeno(1,2,3-cd)pyrene	16.880	276	103885	9.499	ng	98
88) Benzo(b)fluoranthene	14.986	252	473275	52.413	ng	# 96
89) Benzo(k)fluoranthene	14.986	252	473275	53.059	ng	# 96
90) Benzo(a)pyrene	15.345	252	234501	27.233	ng	97
91) Dibenzo(a,h)anthracene	16.892	278	29135	3.256	ng	# 92
92) Benzo(g,h,i)perylene	17.333	276	100120	10.713	ng	98

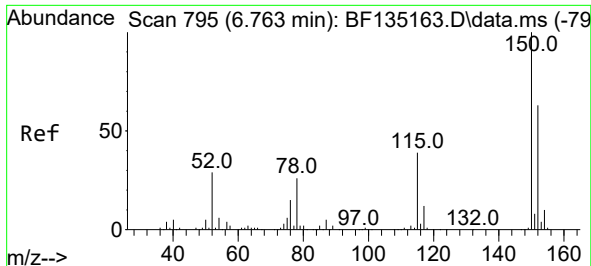
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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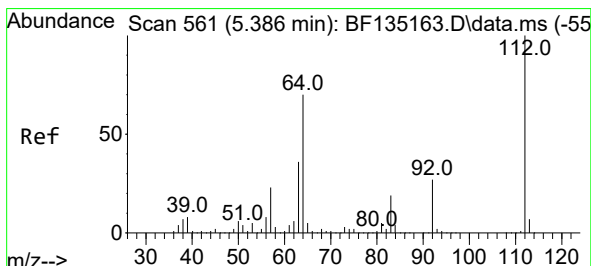
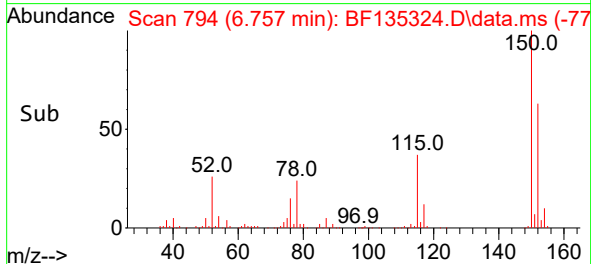
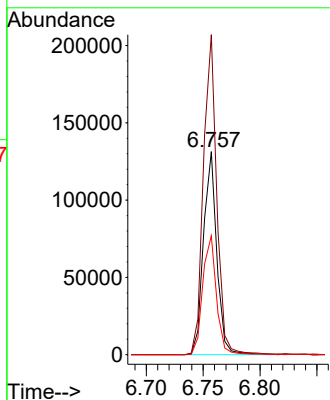
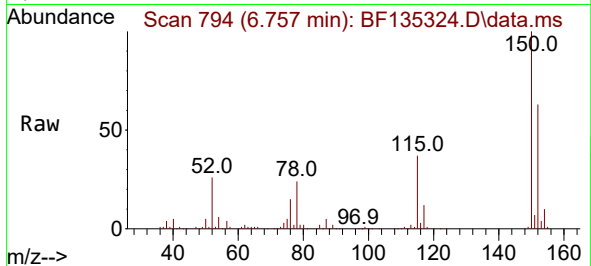




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.757 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF135324.D
Acq: 19 Sep 2023 00:28

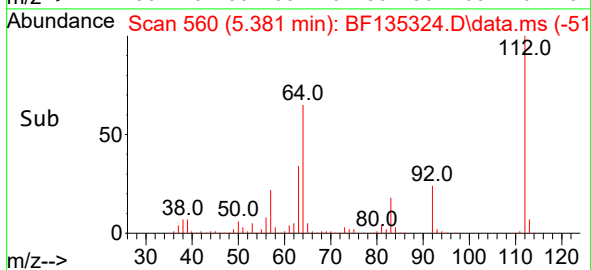
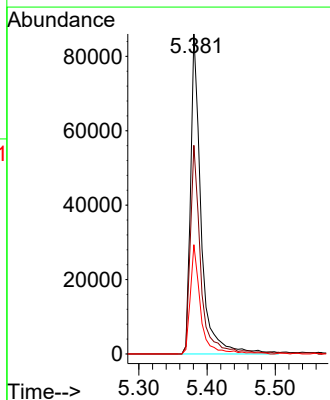
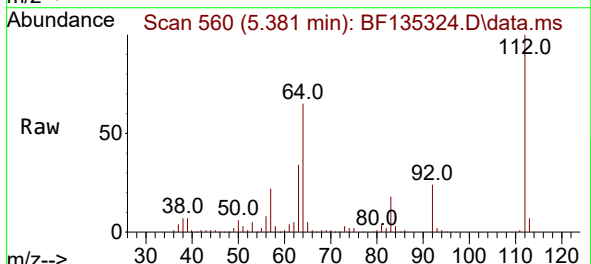
Instrument :
BNA_F
ClientSampleId :
SU-03-09132023

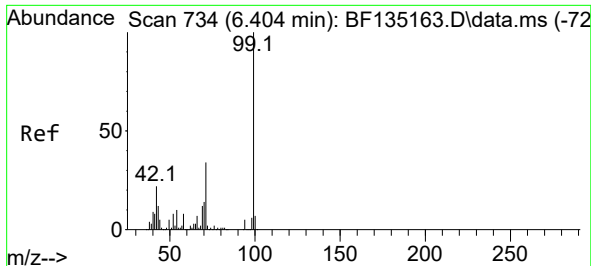
Tgt Ion:152 Resp: 106615
Ion Ratio Lower Upper
152 100
150 157.7 127.8 191.6
115 58.6 49.8 74.8



#5
2-Fluorophenol
Concen: 13.955 ng
RT: 5.381 min Scan# 560
Delta R.T. -0.006 min
Lab File: BF135324.D
Acq: 19 Sep 2023 00:28

Tgt Ion:112 Resp: 91479
Ion Ratio Lower Upper
112 100
64 65.2 55.9 83.9
63 34.2 29.0 43.6

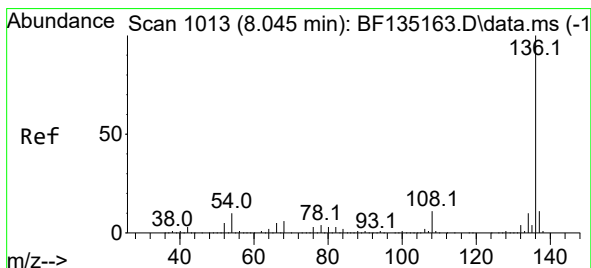
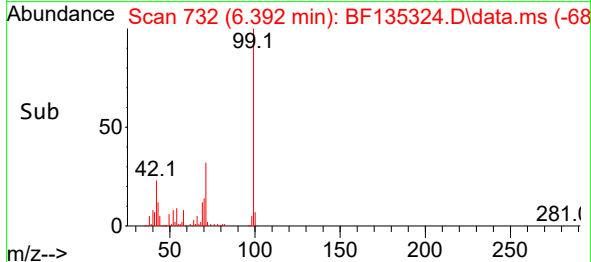
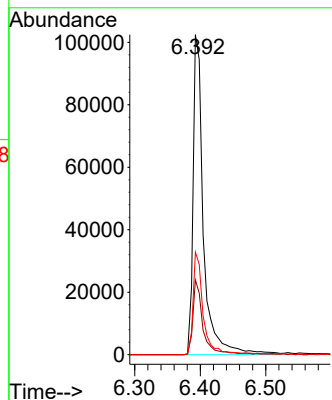
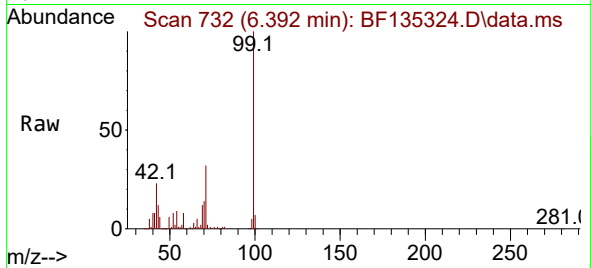




#7
Phenol-d6
Concen: 13.620 ng
RT: 6.392 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF135324.D
Acq: 19 Sep 2023 00:28

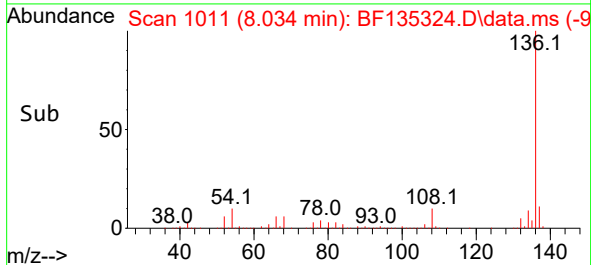
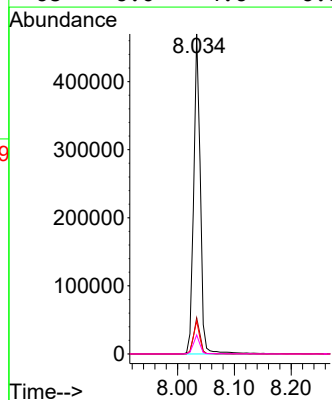
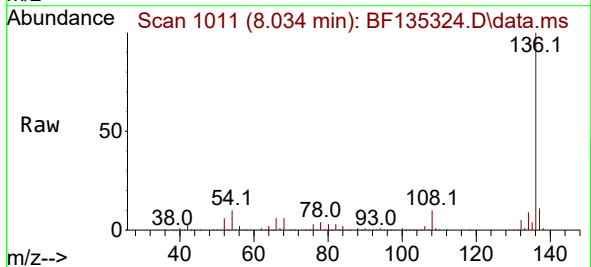
Instrument :
BNA_F
ClientSampleId :
SU-03-09132023

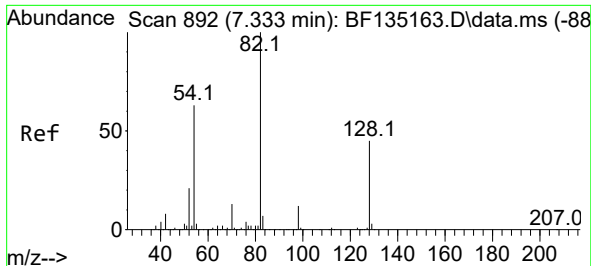
Tgt Ion: 99 Resp: 113529
Ion Ratio Lower Upper
99 100
42 23.4 17.9 26.9
71 32.0 27.0 40.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.034 min Scan# 1011
Delta R.T. -0.012 min
Lab File: BF135324.D
Acq: 19 Sep 2023 00:28

Tgt Ion:136 Resp: 382406
Ion Ratio Lower Upper
136 100
137 11.3 8.8 13.2
54 10.3 7.7 11.5
68 6.0 4.6 6.8





#23

Nitrobenzene-d5

Concen: 9.132 ng

RT: 7.316 min Scan# 889

Delta R.T. -0.018 min

Lab File: BF135324.D

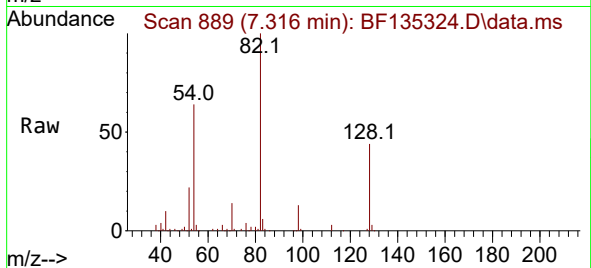
Acq: 19 Sep 2023 00:28

Instrument :

BNA_F

ClientSampleId :

SU-03-09132023



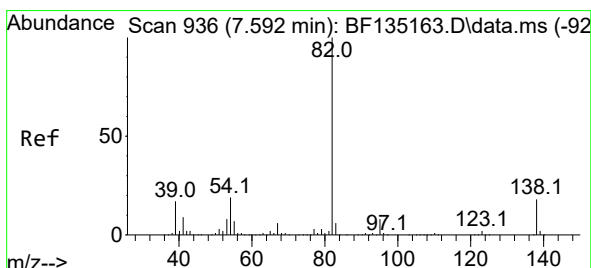
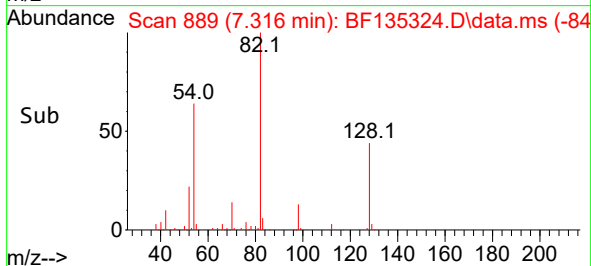
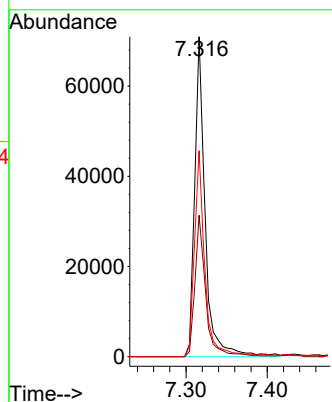
Tgt Ion: 82 Resp: 64279

Ion Ratio Lower Upper

82 100

128 44.2 35.8 53.6

54 64.4 50.6 76.0



#25

Isophorone

Concen: 4.973 ng

RT: 7.316 min Scan# 889

Delta R.T. -0.276 min

Lab File: BF135324.D

Acq: 19 Sep 2023 00:28

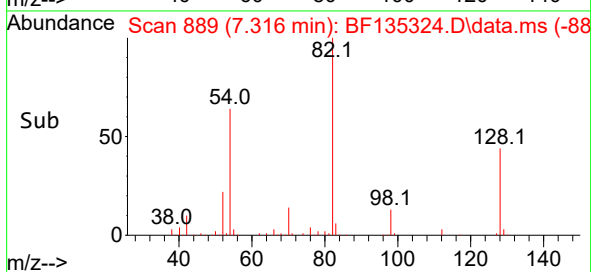
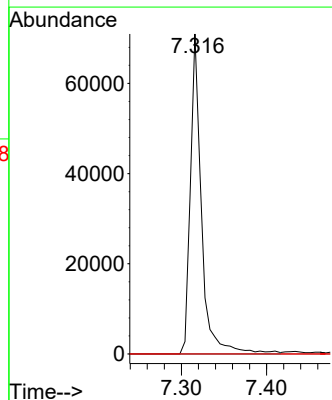
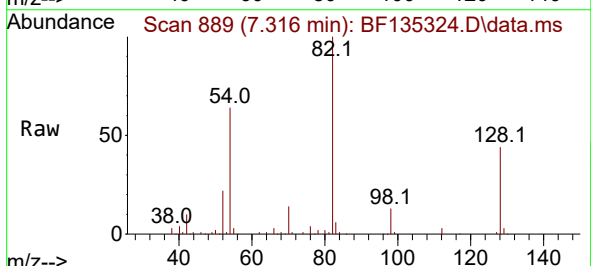
Tgt Ion: 82 Resp: 64279

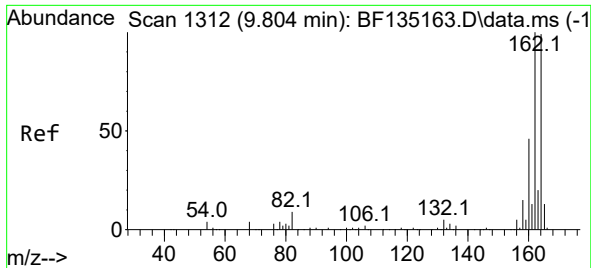
Ion Ratio Lower Upper

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# 1

Delta R.T. -0.012 min

Lab File: BF135324.D

Acq: 19 Sep 2023 00:28

Instrument :

BNA_F

ClientSampleId :

SU-03-09132023

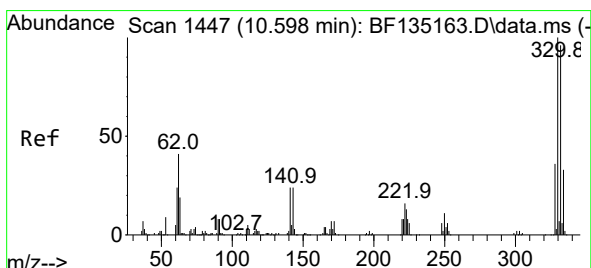
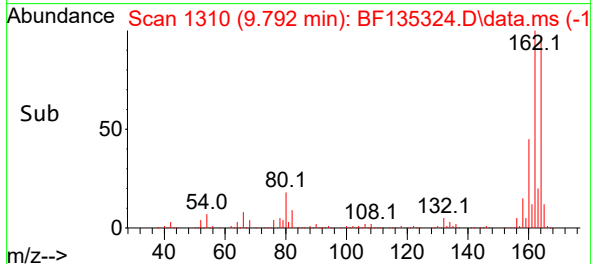
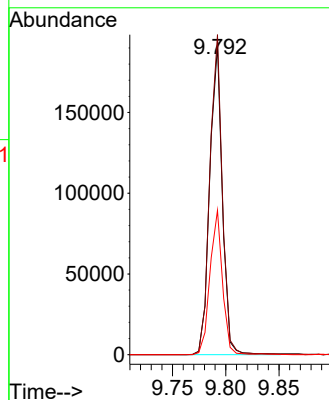
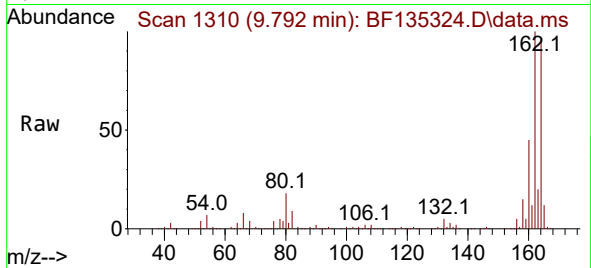
Tgt Ion:164 Resp: 157735

Ion Ratio Lower Upper

164 100

162 103.5 81.0 121.4

160 46.7 37.0 55.4



#42

2,4,6-Tribromophenol

Concen: 10.739 ng

RT: 10.586 min Scan# 1445

Delta R.T. -0.012 min

Lab File: BF135324.D

Acq: 19 Sep 2023 00:28

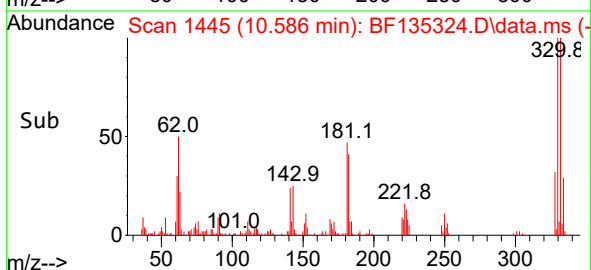
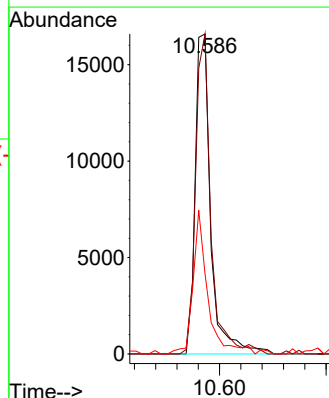
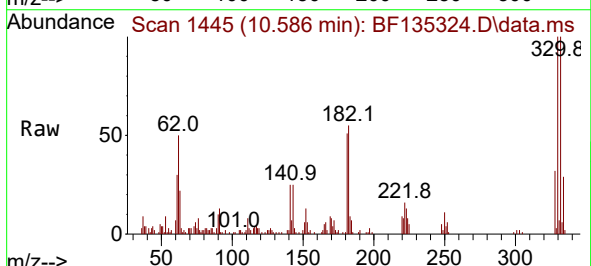
Tgt Ion:330 Resp: 16834

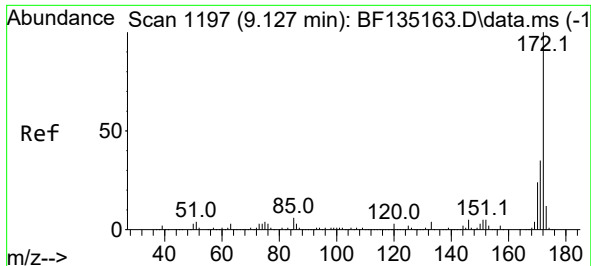
Ion Ratio Lower Upper

330 100

332 98.2 77.3 115.9

141 43.1 25.8 38.8#





#45

2-Fluorobiphenyl

Concen: 11.380 ng

RT: 9.110 min Scan# 1197

Delta R.T. -0.018 min

Lab File: BF135324.D

Acq: 19 Sep 2023 00:28

Instrument :

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SU-03-09132023

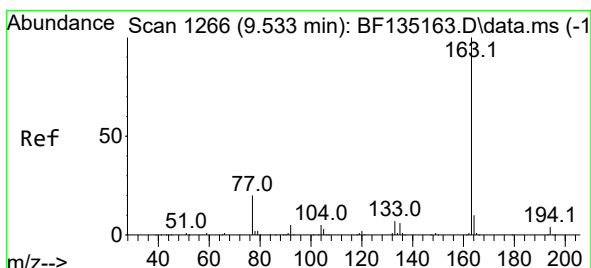
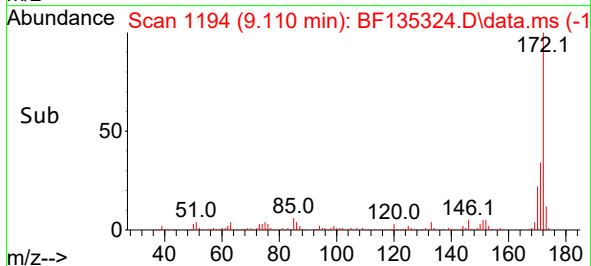
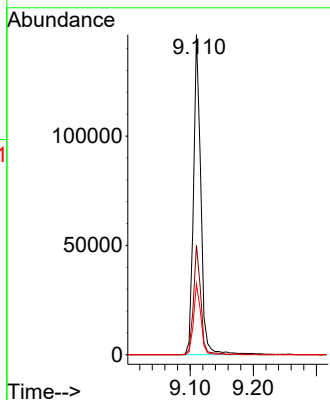
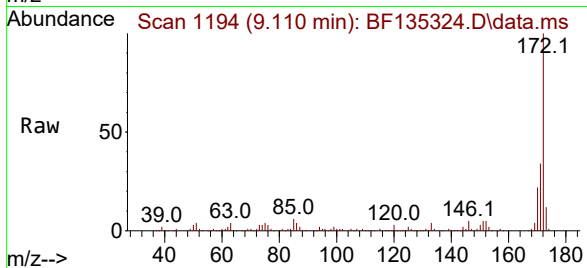
Tgt Ion:172 Resp: 118973

Ion Ratio Lower Upper

172 100

171 34.2 28.4 42.6

170 22.1 19.0 28.4



#50

Dimethylphthalate

Concen: 3.001 ng

RT: 9.792 min Scan# 1310

Delta R.T. 0.259 min

Lab File: BF135324.D

Acq: 19 Sep 2023 00:28

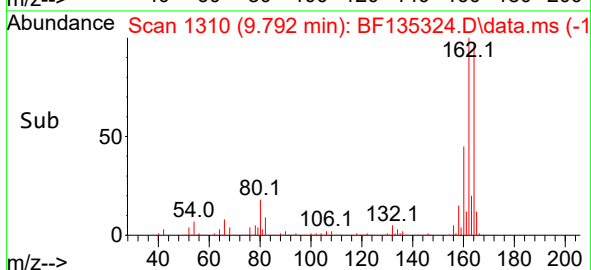
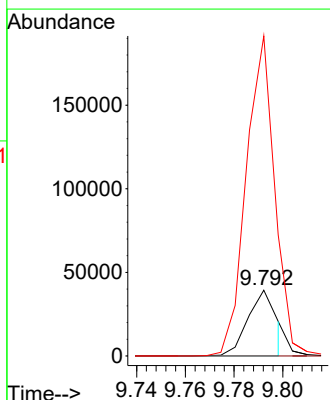
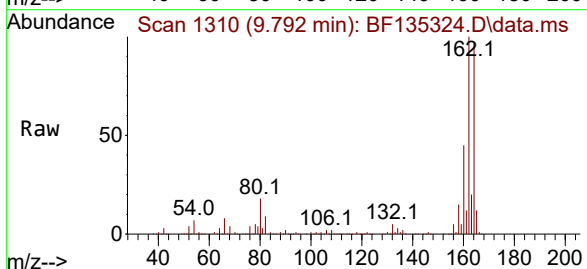
Tgt Ion:163 Resp: 32007

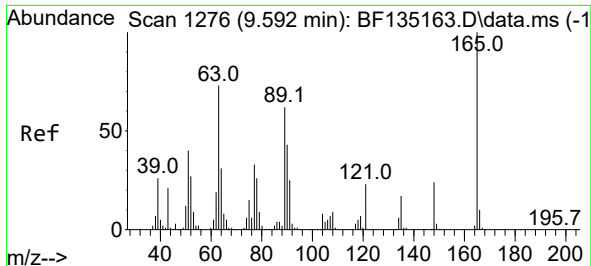
Ion Ratio Lower Upper

163 100

194 0.0 3.1 4.7#

164 486.8 8.1 12.1#

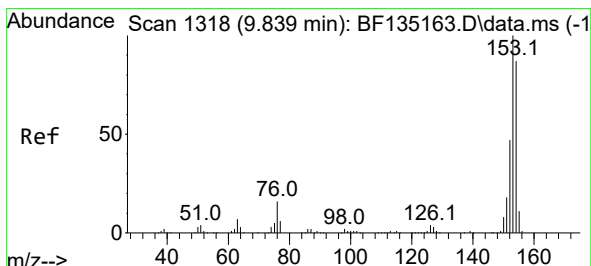
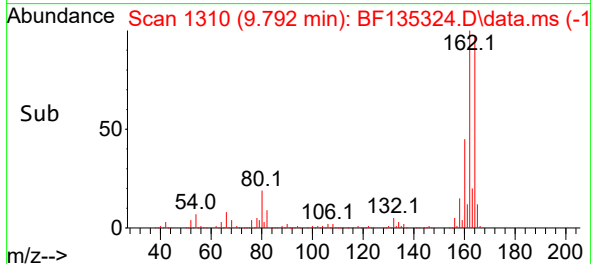
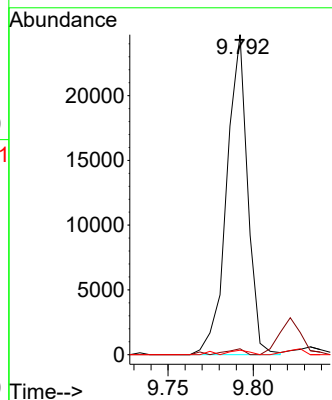
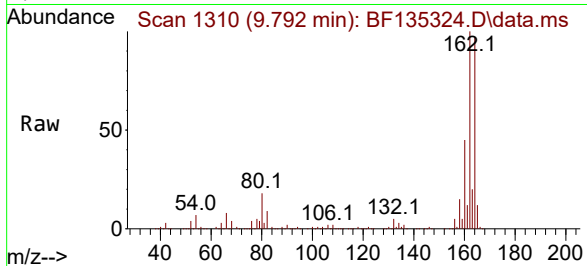




#51
2,6-Dinitrotoluene
Concen: 8.997 ng
RT: 9.792 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF135324.D
Acq: 19 Sep 2023 00:28

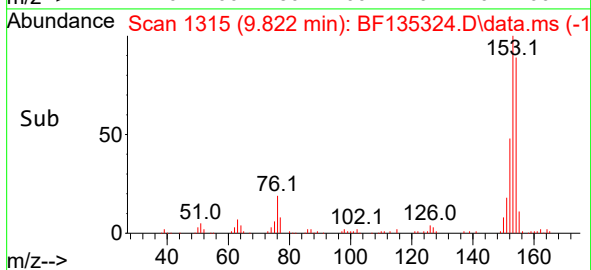
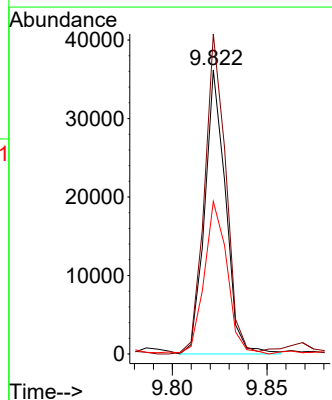
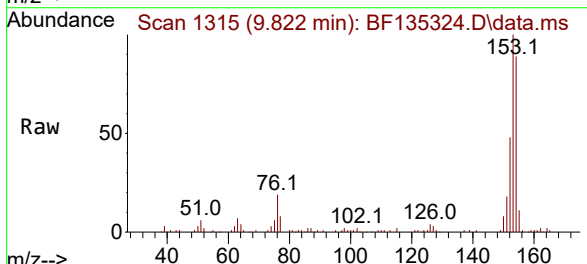
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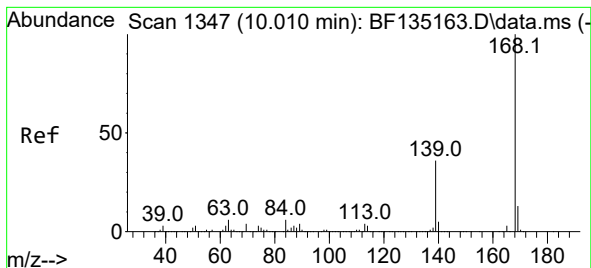
Tgt Ion:165 Resp: 21020
Ion Ratio Lower Upper
165 100
63 1.9 59.4 89.2#
89 1.4 49.8 74.8#



#52
Acenaphthene
Concen: 3.223 ng
RT: 9.822 min Scan# 1315
Delta R.T. -0.017 min
Lab File: BF135324.D
Acq: 19 Sep 2023 00:28

Tgt Ion:154 Resp: 27830
Ion Ratio Lower Upper
154 100
153 112.7 92.1 138.1
152 53.7 43.1 64.7





#55

Dibenzenofuran

Concen: 2.299 ng

RT: 9.998 min Scan# 1345

Delta R.T. -0.012 min

Lab File: BF135324.D

Acq: 19 Sep 2023 00:28

Instrument :

BNA_F

ClientSampleId :

SU-03-09132023

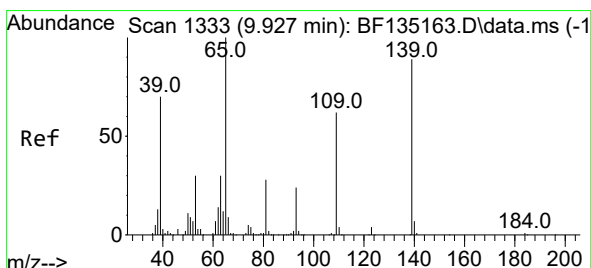
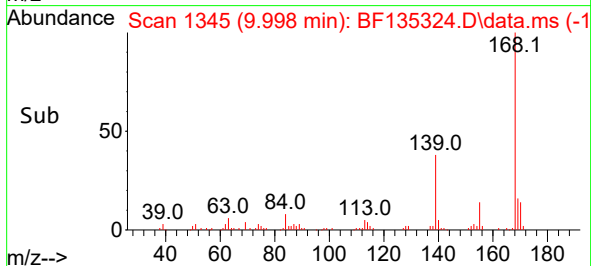
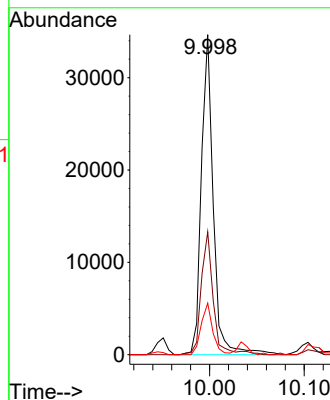
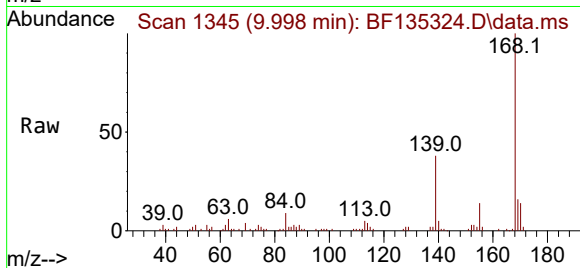
Tgt Ion:168 Resp: 30292

Ion Ratio Lower Upper

168 100

139 38.4 29.0 43.6

169 16.1 10.4 15.6#



#56

4-Nitrophenol

Concen: 6.725 ng

RT: 9.998 min Scan# 1345

Delta R.T. 0.071 min

Lab File: BF135324.D

Acq: 19 Sep 2023 00:28

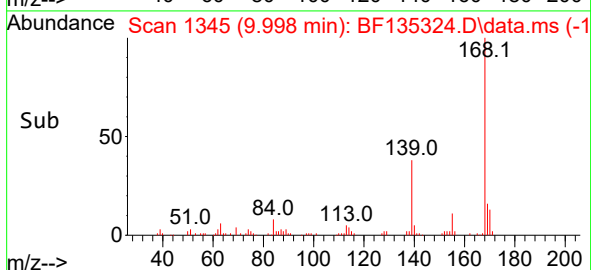
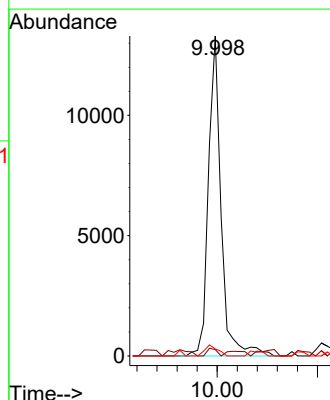
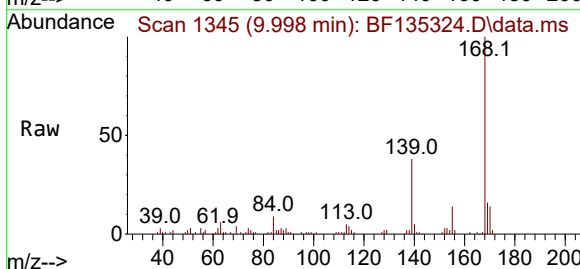
Tgt Ion:139 Resp: 11721

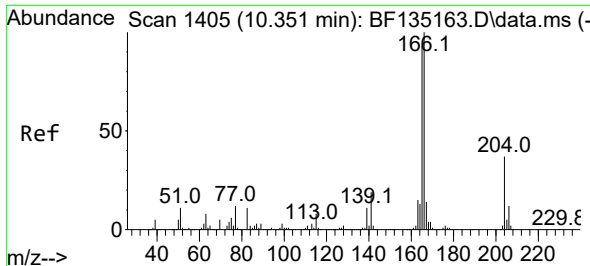
Ion Ratio Lower Upper

139 100

109 2.0 49.8 89.8#

65 2.2 92.7 132.7#

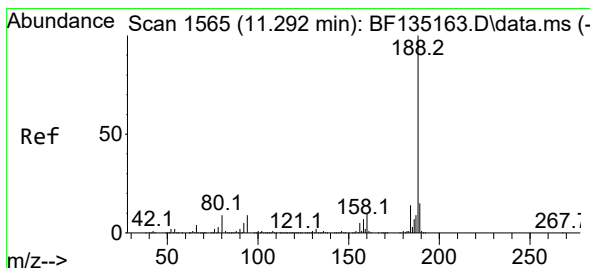
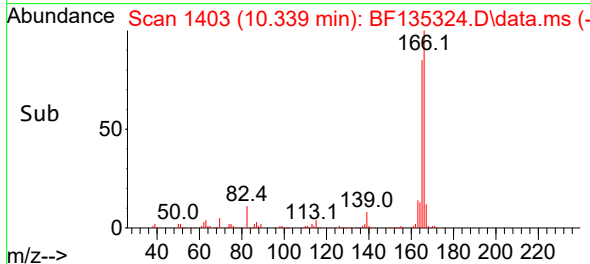
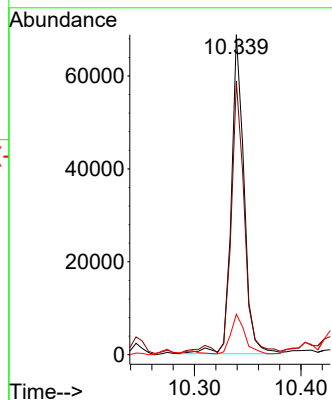
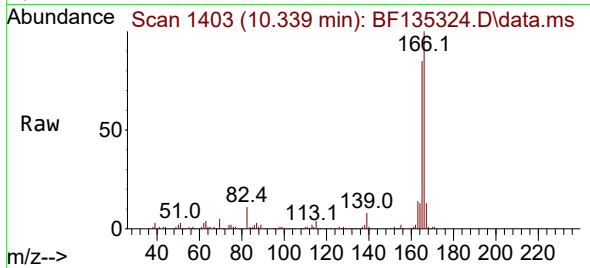




#58
Fluorene
Concen: 5.623 ng
RT: 10.339 min Scan# 1403
Delta R.T. -0.012 min
Lab File: BF135324.D
Acq: 19 Sep 2023 00:28

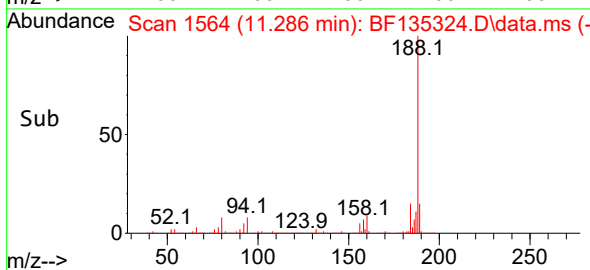
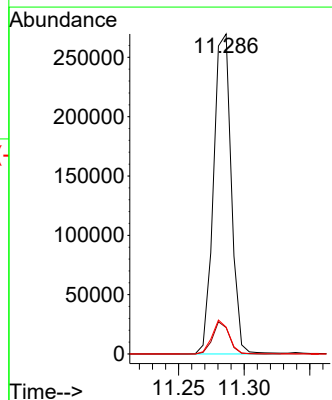
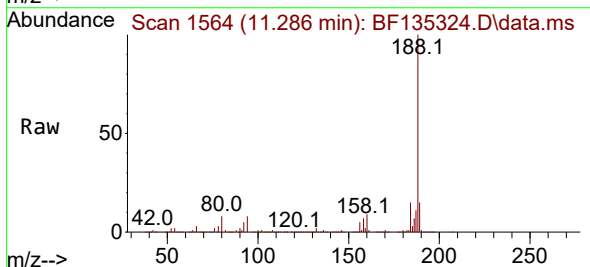
Instrument :
BNA_F
ClientSampleId :
SU-03-09132023

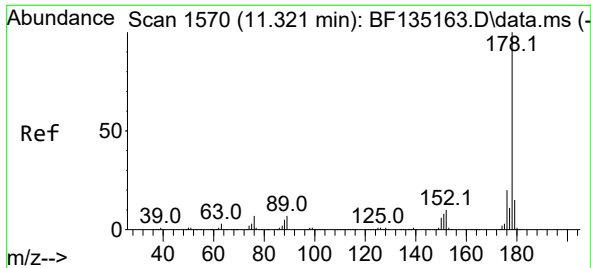
Tgt Ion:166 Resp: 56954
Ion Ratio Lower Upper
166 100
165 85.5 74.3 111.5
167 12.7 10.9 16.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.286 min Scan# 1564
Delta R.T. -0.006 min
Lab File: BF135324.D
Acq: 19 Sep 2023 00:28

Tgt Ion:188 Resp: 253356
Ion Ratio Lower Upper
188 100
94 8.2 7.0 10.6
80 8.4 7.5 11.3

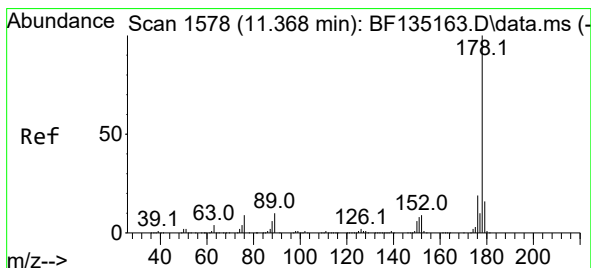
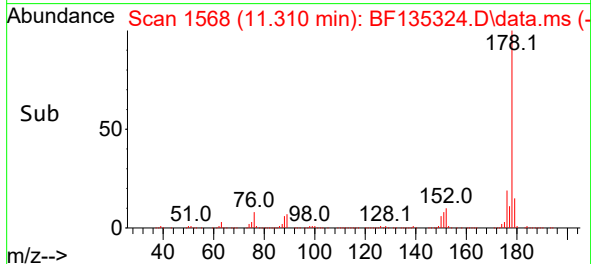
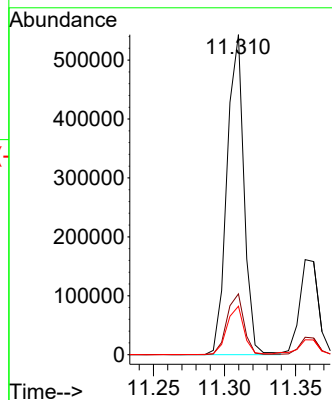
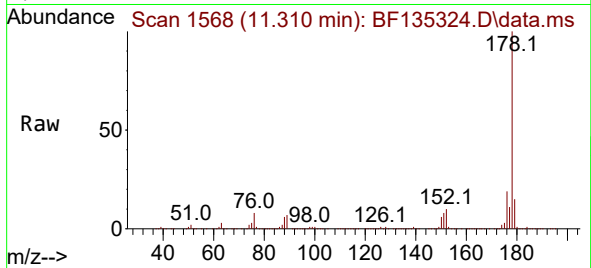




#71
Phenanthrene
Concen: 37.626 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF135324.D
Acq: 19 Sep 2023 00:28

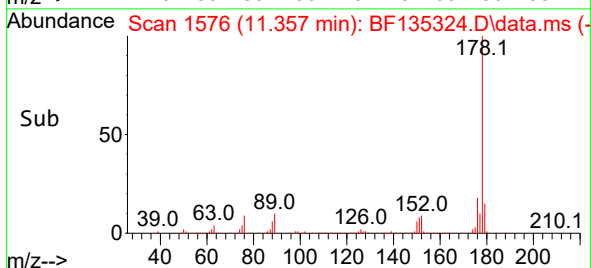
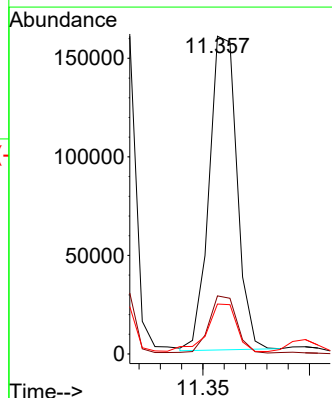
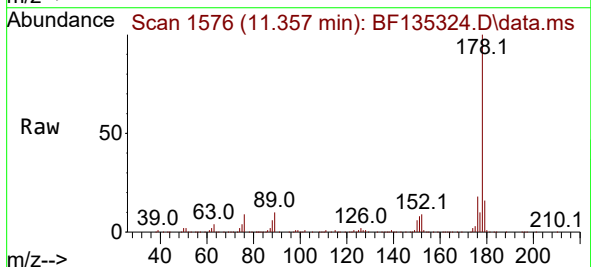
Instrument :
BNA_F
ClientSampleId :
SU-03-09132023

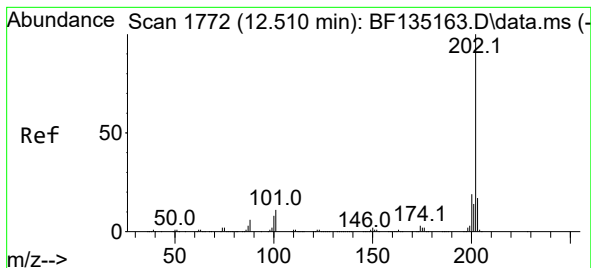
Tgt Ion:178 Resp: 450855
Ion Ratio Lower Upper
178 100
176 19.0 15.6 23.4
179 15.2 12.0 18.0



#72
Anthracene
Concen: 11.758 ng
RT: 11.357 min Scan# 1576
Delta R.T. -0.012 min
Lab File: BF135324.D
Acq: 19 Sep 2023 00:28

Tgt Ion:178 Resp: 144824
Ion Ratio Lower Upper
178 100
176 18.3 15.4 23.2
179 15.7 12.6 19.0





#75

Fluoranthene

Concen: 69.502 ng

RT: 12.504 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF135324.D

Acq: 19 Sep 2023 00:28

Instrument :

BNA_F

ClientSampleId :

SU-03-09132023

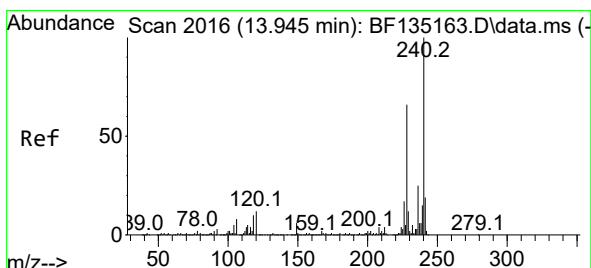
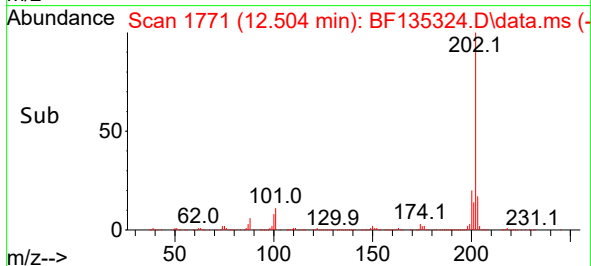
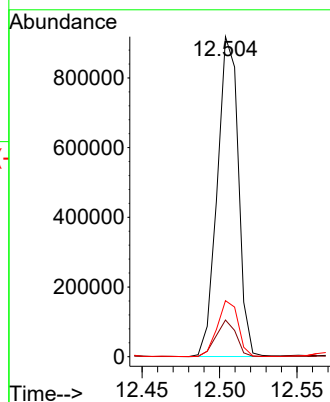
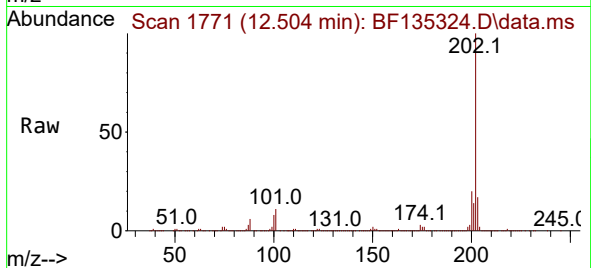
Tgt Ion:202 Resp: 867787

Ion Ratio Lower Upper

202 100

101 11.4 0.0 31.3

203 17.5 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: BF135324.D

Acq: 19 Sep 2023 00:28

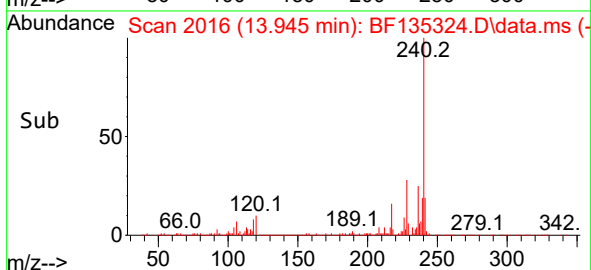
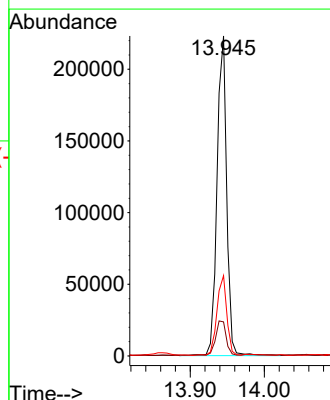
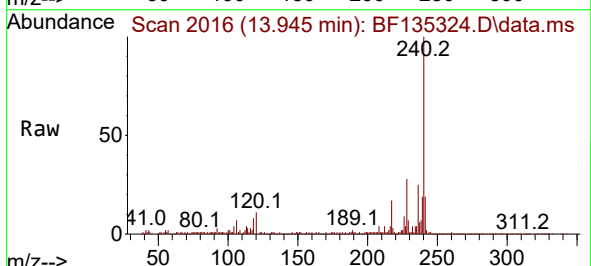
Tgt Ion:240 Resp: 200432

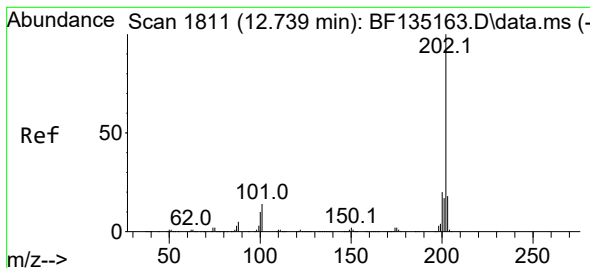
Ion Ratio Lower Upper

240 100

120 10.6 9.4 14.2

236 25.1 19.8 29.8





#78

Pyrene

Concen: 42.959 ng

RT: 12.739 min Scan# 1811

Delta R.T. 0.000 min

Lab File: BF135324.D

Acq: 19 Sep 2023 00:28

Instrument :

BNA_F

ClientSampleId :

SU-03-09132023

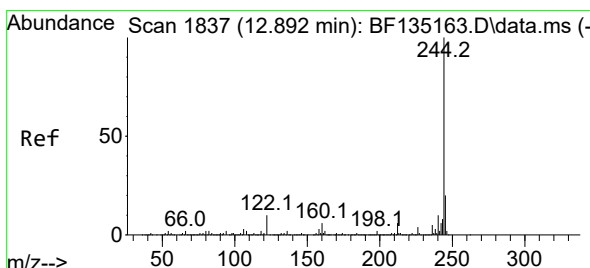
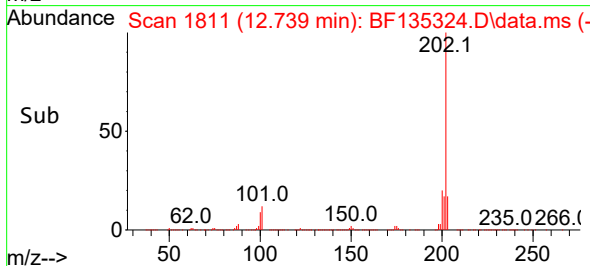
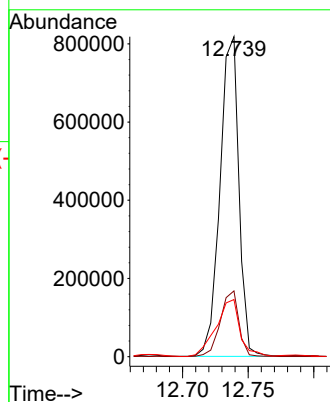
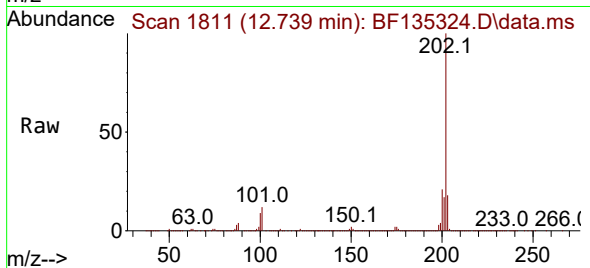
Tgt Ion:202 Resp: 819777

Ion Ratio Lower Upper

202 100

200 20.5 16.2 24.2

203 17.9 14.2 21.4



#79

Terphenyl-d14

Concen: 7.346 ng

RT: 12.874 min Scan# 1834

Delta R.T. -0.018 min

Lab File: BF135324.D

Acq: 19 Sep 2023 00:28

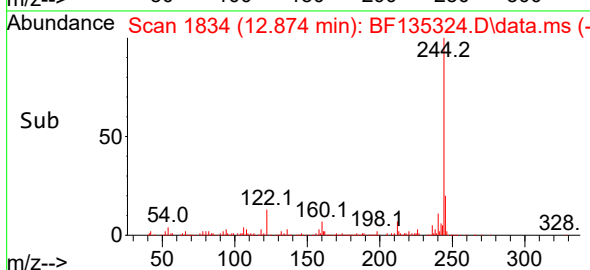
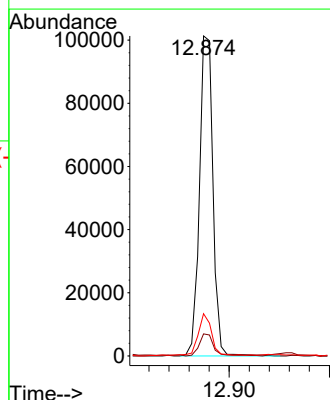
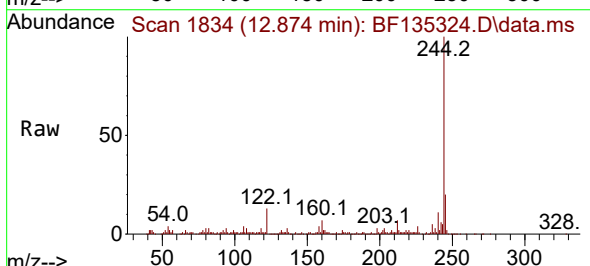
Tgt Ion:244 Resp: 94986

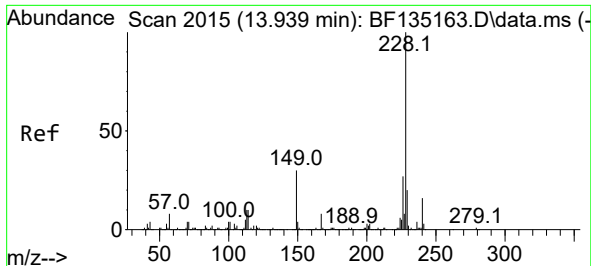
Ion Ratio Lower Upper

244 100

212 6.9 5.1 7.7

122 13.2 7.9 11.9#

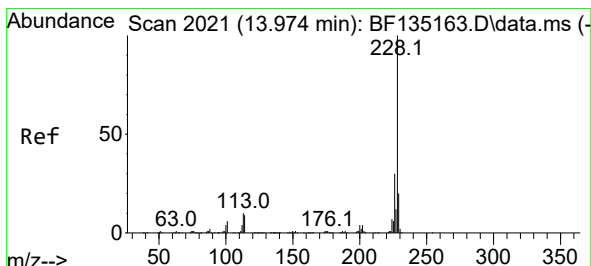
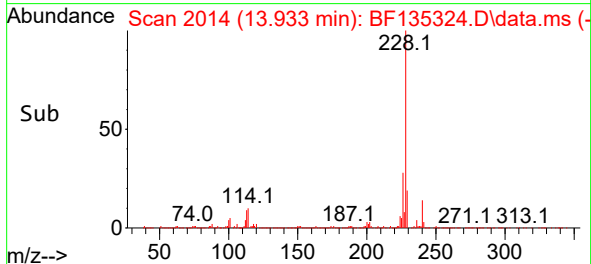
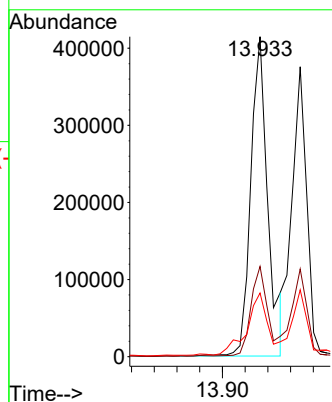
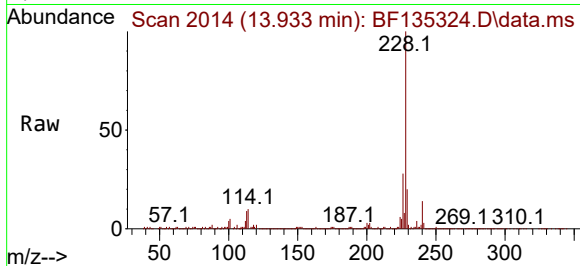




#81
Benzo(a)anthracene
Concen: 33.303 ng
RT: 13.933 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF135324.D
Acq: 19 Sep 2023 00:28

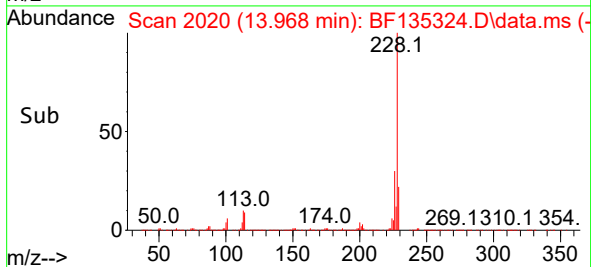
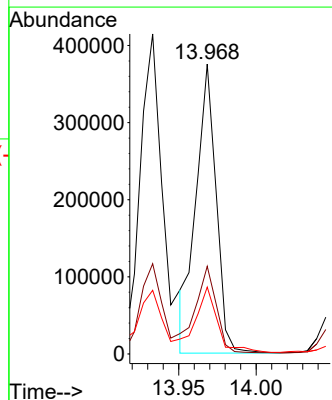
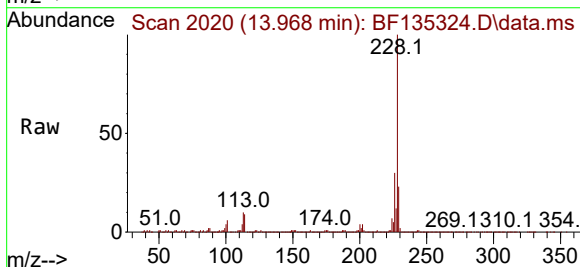
Instrument :
BNA_F
ClientSampleId :
SU-03-09132023

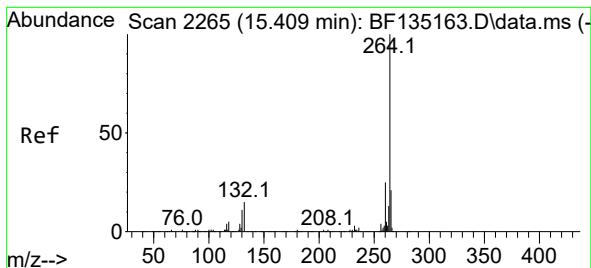
Tgt Ion:228 Resp: 431028
Ion Ratio Lower Upper
228 100
226 28.2 21.7 32.5
229 19.9 15.8 23.8



#83
Chrysene
Concen: 26.328 ng
RT: 13.968 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF135324.D
Acq: 19 Sep 2023 00:28

Tgt Ion:228 Resp: 338782
Ion Ratio Lower Upper
228 100
226 30.2 24.3 36.5
229 23.1 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: BF135324.D

Acq: 19 Sep 2023 00:28

Instrument :

BNA_F

ClientSampleId :

SU-03-09132023

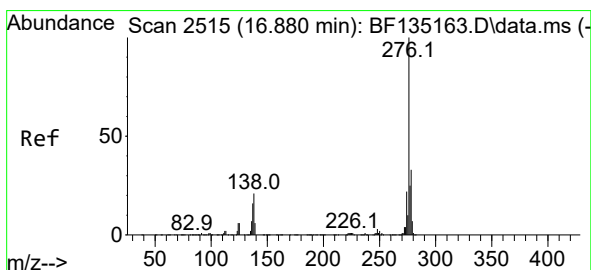
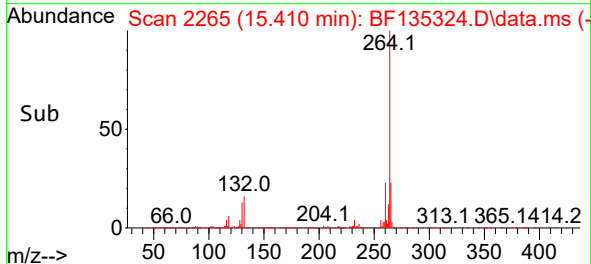
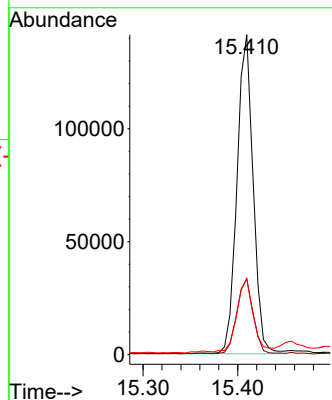
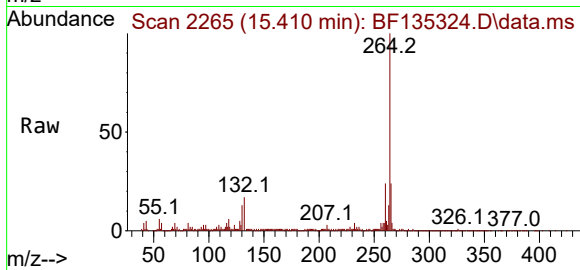
Tgt Ion:264 Resp: 166804

Ion Ratio Lower Upper

264 100

260 23.7 19.8 29.6

265 23.8 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 9.499 ng

RT: 16.880 min Scan# 2515

Delta R.T. 0.000 min

Lab File: BF135324.D

Acq: 19 Sep 2023 00:28

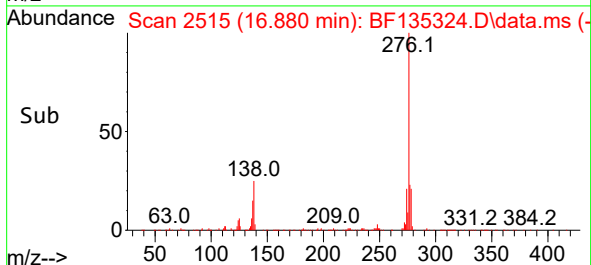
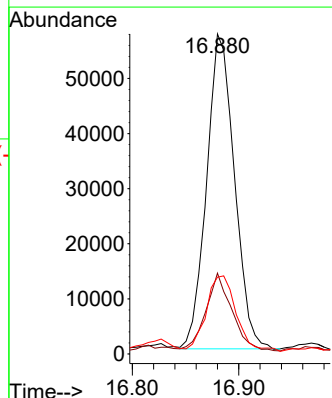
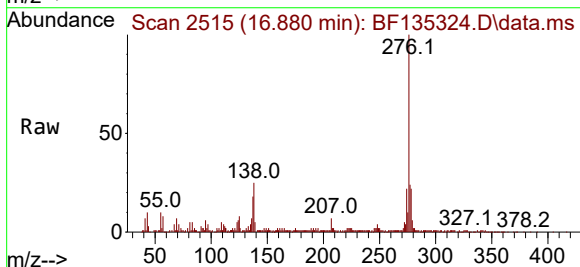
Tgt Ion:276 Resp: 103885

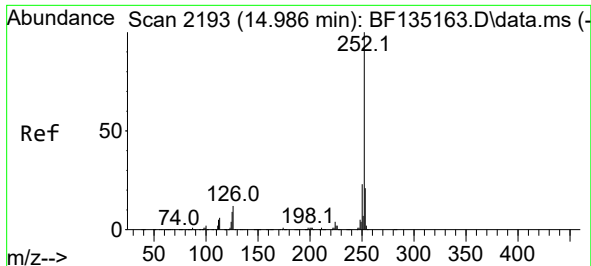
Ion Ratio Lower Upper

276 100

138 23.0 19.2 28.8

277 25.7 19.7 29.5

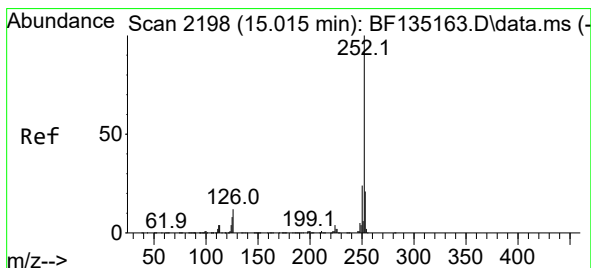
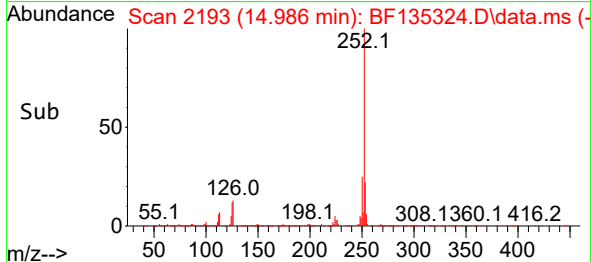
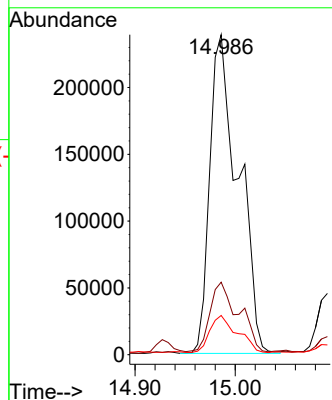
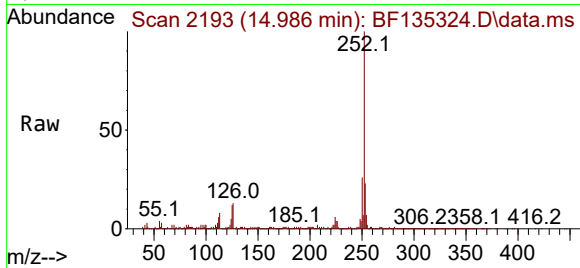




#88
Benzo(b)fluoranthene
Concen: 52.413 ng
RT: 14.986 min Scan# 2193
Delta R.T. 0.000 min
Lab File: BF135324.D
Acq: 19 Sep 2023 00:28

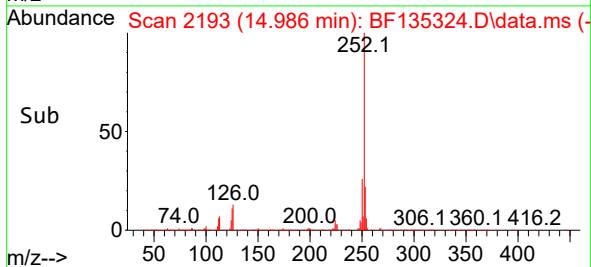
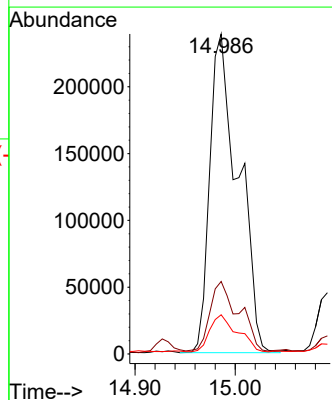
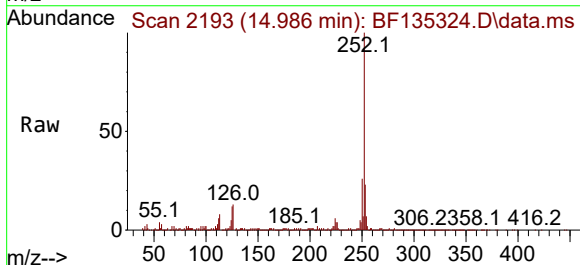
Instrument :
BNA_F
ClientSampleId :
SU-03-09132023

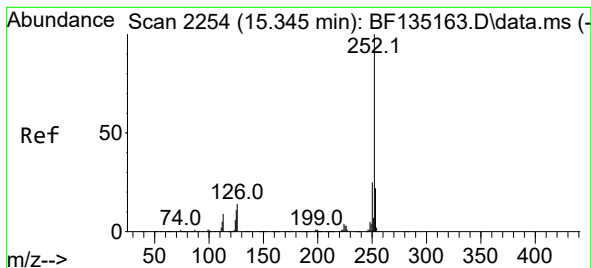
Tgt Ion:252 Resp: 473275
Ion Ratio Lower Upper
252 100
253 22.6 17.2 25.8
125 12.2 7.1 10.7#



#89
Benzo(k)fluoranthene
Concen: 53.059 ng
RT: 14.986 min Scan# 2193
Delta R.T. -0.029 min
Lab File: BF135324.D
Acq: 19 Sep 2023 00:28

Tgt Ion:252 Resp: 473275
Ion Ratio Lower Upper
252 100
253 22.6 17.4 26.0
125 12.2 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 27.233 ng

RT: 15.345 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF135324.D

Acq: 19 Sep 2023 00:28

Instrument :

BNA_F

ClientSampleId :

SU-03-09132023

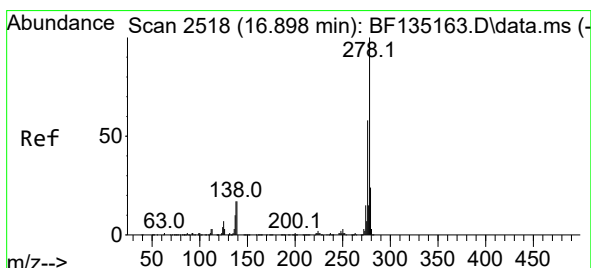
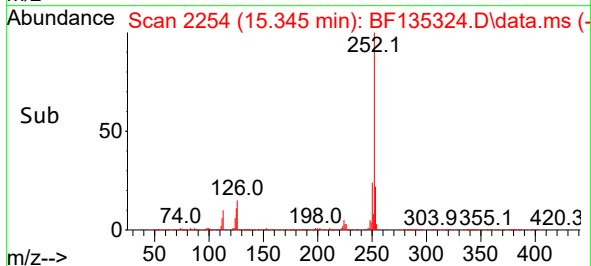
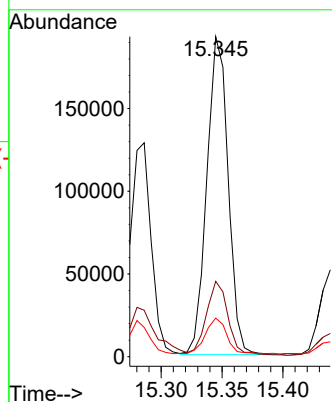
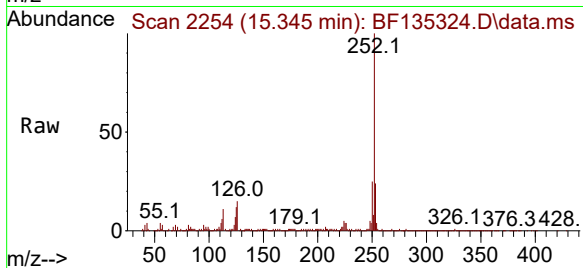
Tgt Ion:252 Resp: 234501

Ion Ratio Lower Upper

252 100

253 23.5 17.5 26.3

125 12.1 9.2 13.8



#91

Dibenzo(a,h)anthracene

Concen: 3.256 ng

RT: 16.892 min Scan# 2517

Delta R.T. -0.006 min

Lab File: BF135324.D

Acq: 19 Sep 2023 00:28

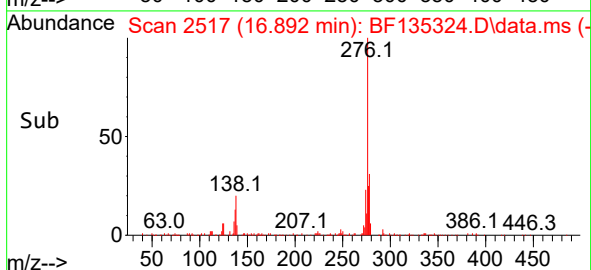
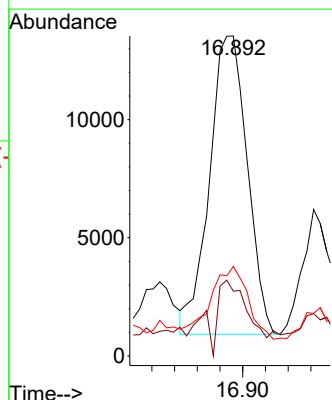
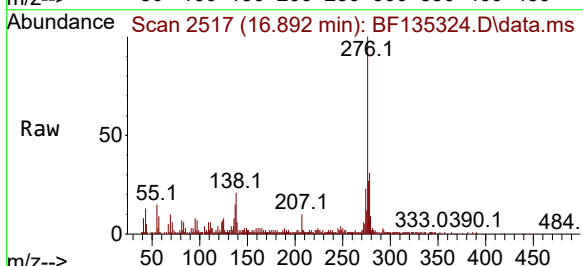
Tgt Ion:278 Resp: 29135

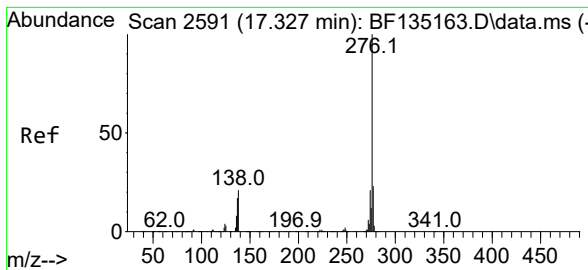
Ion Ratio Lower Upper

278 100

139 20.2 13.4 20.0#

279 28.0 19.0 28.6





#92
 Benzo(g,h,i)perylene
 Concen: 10.713 ng
 RT: 17.333 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BF135324.D
 Acq: 19 Sep 2023 00:28

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-09132023

Tgt Ion:	276	Resp:	100120
Ion	Ratio	Lower	Upper
276	100		
277	22.3	18.8	28.2
138	20.0	16.9	25.3

