

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092623\
 Data File : BF135463.D
 Acq On : 26 Sep 2023 20:31
 Operator : CG\JU
 Sample : 04587-01 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-09222023

Quant Time: Sep 27 02:17:06 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 26 01:36:36 2023
 Response via : Initial Calibration

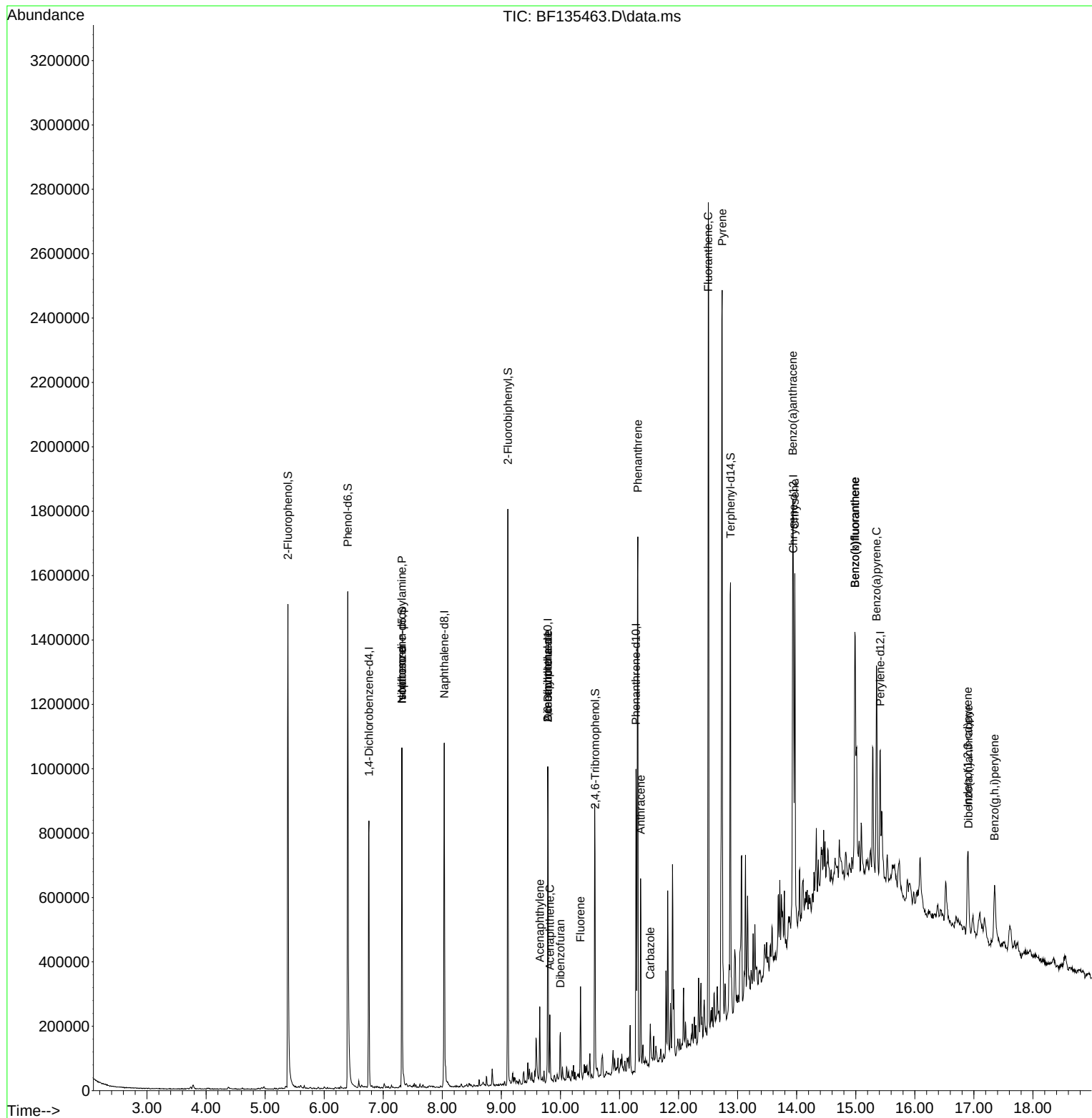
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.757	152	128283	20.000	ng	0.00
21) Naphthalene-d8	8.034	136	439837	20.000	ng	0.00
39) Acenaphthene-d10	9.786	164	189413	20.000	ng	0.00
64) Phenanthrene-d10	11.280	188	352208	20.000	ng	# 0.00
76) Chrysene-d12	13.945	240	225026	20.000	ng	0.00
86) Perylene-d12	15.415	264	184742	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	453886	57.546	ng	0.00
7) Phenol-d6	6.398	99	539468	53.790	ng	0.00
23) Nitrobenzene-d5	7.316	82	304269	37.584	ng	0.00
42) 2,4,6-Tribromophenol	10.586	330	86704	46.063	ng	0.00
45) 2-Fluorobiphenyl	9.110	172	486931	38.785	ng	0.00
79) Terphenyl-d14	12.880	244	498524	34.343	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.316	70	38944	6.269	ng	# 78
25) Isophorone	7.316	82	304267	20.467	ng	# 65
49) Acenaphthylene	9.651	152	82216	4.684	ng	99
50) Dimethylphthalate	9.786	163	32959	2.574	ng	# 1
51) 2,6-Dinitrotoluene	9.786	165	25491	9.086	ng	# 17
52) Acenaphthene	9.822	154	37136	3.582	ng	97
55) Dibenzofuran	9.998	168	50472	3.190	ng	94
58) Fluorene	10.339	166	72698	5.977	ng	99
71) Phenanthrene	11.310	178	615209	36.932	ng	99
72) Anthracene	11.357	178	217341	12.693	ng	99
73) Carbazole	11.522	167	47067	3.020	ng	99
75) Fluoranthene	12.504	202	1120742	64.569	ng	97
78) Pyrene	12.739	202	1031118	48.129	ng	99
81) Benzo(a)anthracene	13.933	228	524138	36.071	ng	95
83) Chrysene	13.968	228	426962	29.554	ng	98
87) Indeno(1,2,3-cd)pyrene	16.898	276	176215	14.548	ng	99
88) Benzo(b)fluoranthene	14.986	252	606854	60.681	ng	# 91
89) Benzo(k)fluoranthene	14.986	252	606854	61.429	ng	# 91
90) Benzo(a)pyrene	15.351	252	314080	32.933	ng	# 95
91) Dibenzo(a,h)anthracene	16.909	278	46778	4.720	ng	# 85
92) Benzo(g,h,i)perylene	17.351	276	162129	15.664	ng	96

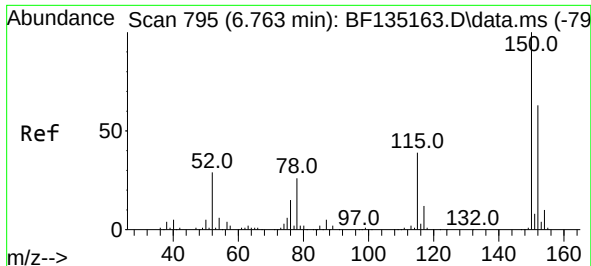
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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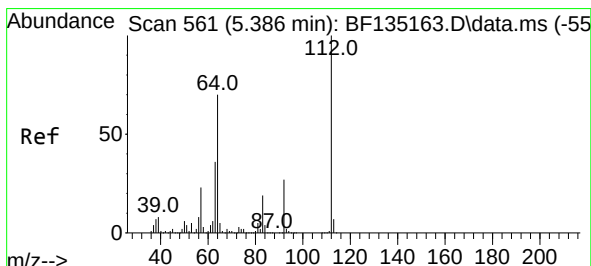
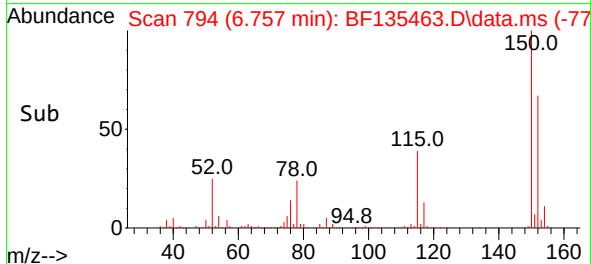
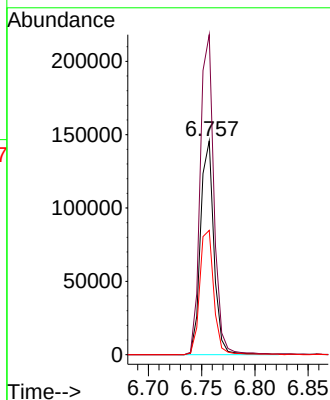
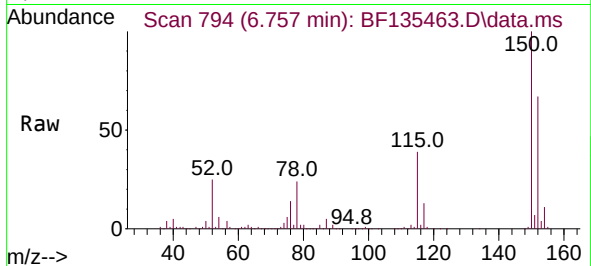




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.757 min Scan# 795
Delta R.T. 0.006 min
Lab File: BF135463.D
Acq: 26 Sep 2023 20:31

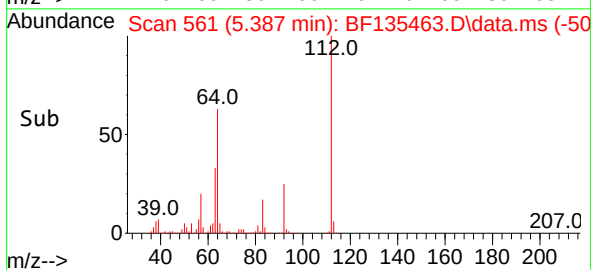
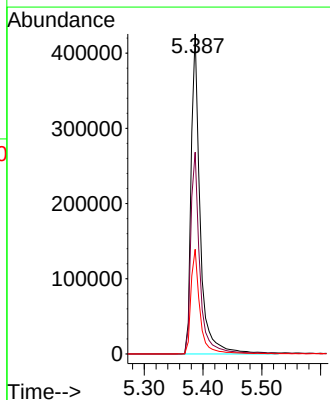
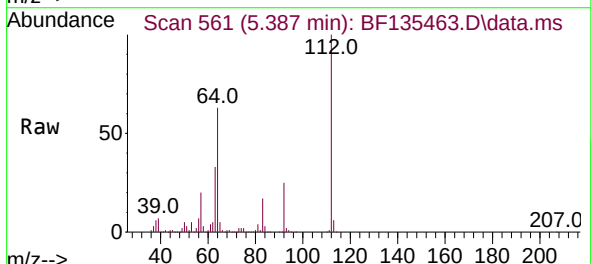
Instrument :
BNA_F
ClientSampleId :
SU-04-09222023

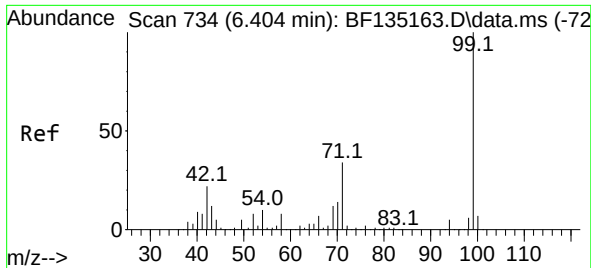
Tgt Ion:152 Resp: 128283
Ion Ratio Lower Upper
152 100
150 149.6 127.8 191.6
115 58.2 49.8 74.8



#5
2-Fluorophenol
Concen: 57.546 ng
RT: 5.387 min Scan# 561
Delta R.T. 0.006 min
Lab File: BF135463.D
Acq: 26 Sep 2023 20:31

Tgt Ion:112 Resp: 453886
Ion Ratio Lower Upper
112 100
64 63.1 55.9 83.9
63 32.7 29.0 43.6

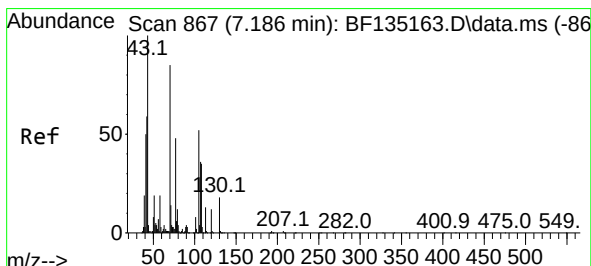
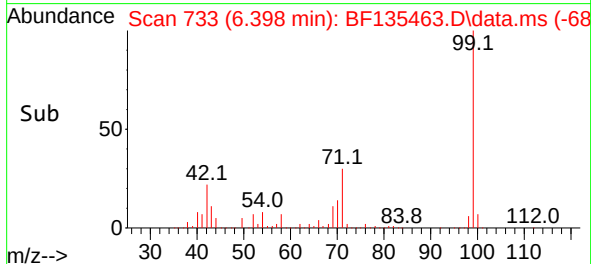
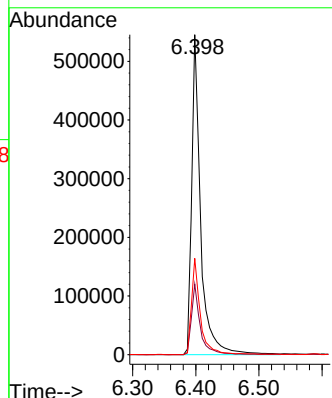
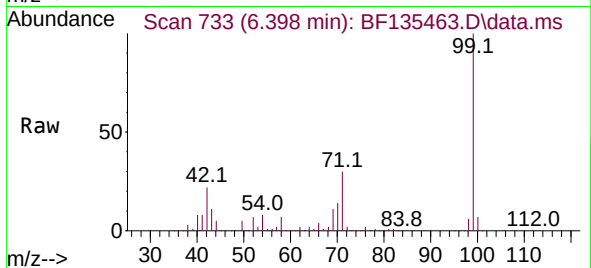




#7
Phenol-d6
Concen: 53.790 ng
RT: 6.398 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135463.D
Acq: 26 Sep 2023 20:31

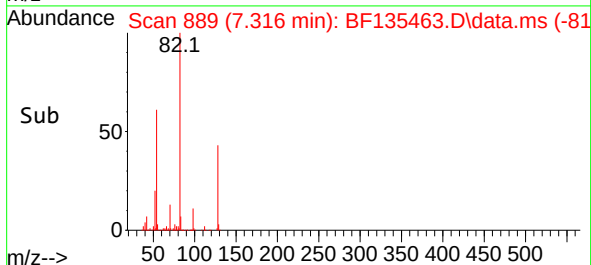
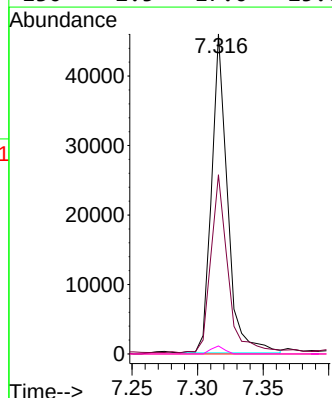
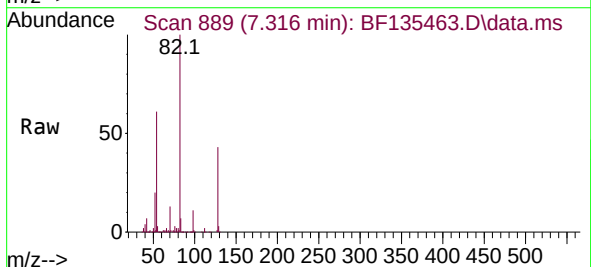
Instrument :
BNA_F
ClientSampleId :
SU-04-09222023

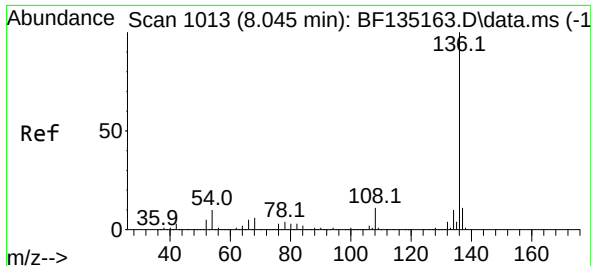
Tgt Ion: 99 Resp: 539468
Ion Ratio Lower Upper
99 100
42 22.1 17.9 26.9
71 30.1 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 6.269 ng
RT: 7.316 min Scan# 889
Delta R.T. 0.141 min
Lab File: BF135463.D
Acq: 26 Sep 2023 20:31

Tgt Ion: 70 Resp: 38944
Ion Ratio Lower Upper
70 100
42 56.0 55.4 83.0
101 0.0 7.7 11.5#
130 2.5 17.0 25.6#



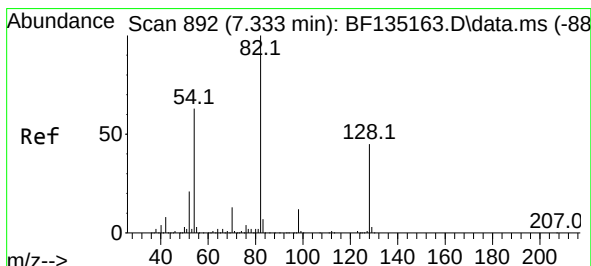
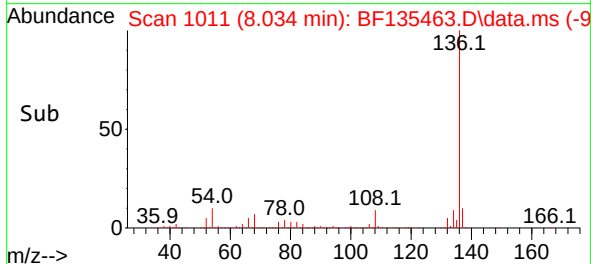
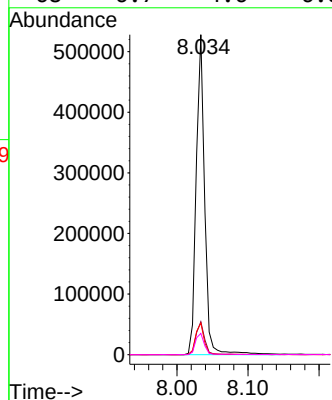
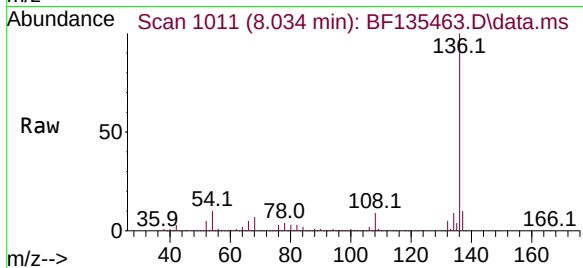


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.034 min Scan# 1011
Delta R.T. -0.000 min
Lab File: BF135463.D
Acq: 26 Sep 2023 20:31

Instrument :
BNA_F
ClientSampleId :
SU-04-09222023

Tgt Ion:136 Resp: 439837

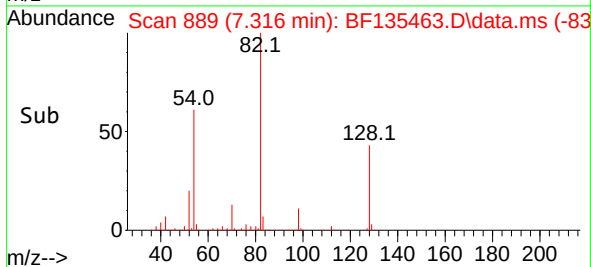
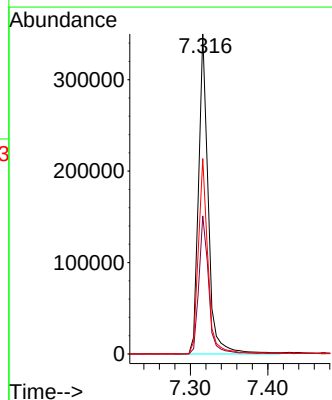
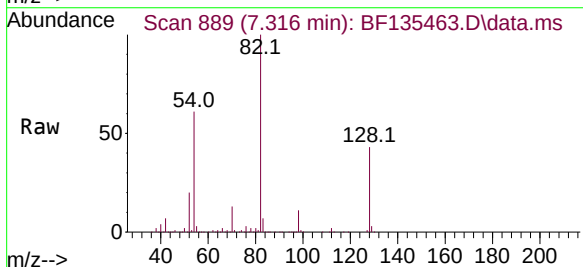
Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.8	13.2
54	9.9	7.7	11.5
68	6.7	4.6	6.8

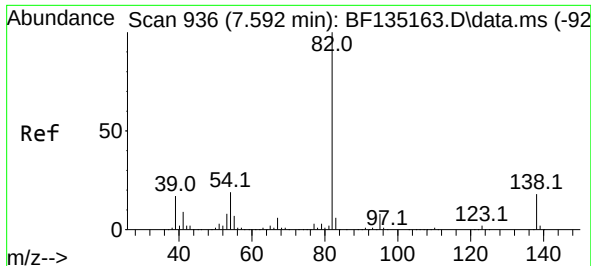


#23
Nitrobenzene-d5
Concen: 37.584 ng
RT: 7.316 min Scan# 889
Delta R.T. -0.006 min
Lab File: BF135463.D
Acq: 26 Sep 2023 20:31

Tgt Ion: 82 Resp: 304269

Ion	Ratio	Lower	Upper
82	100		
128	43.2	35.8	53.6
54	61.0	50.6	76.0

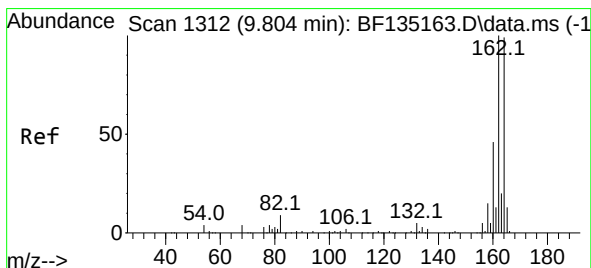
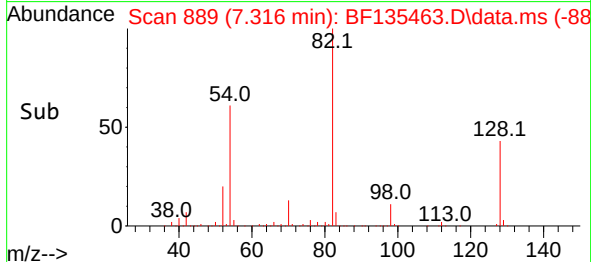
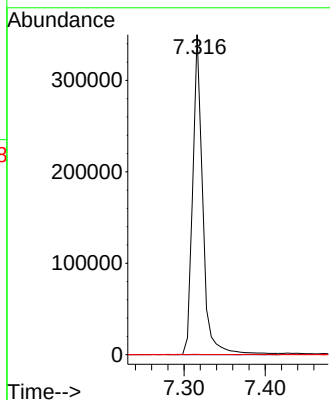
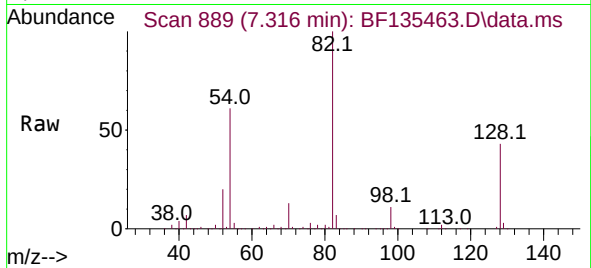




#25
Isophorone
Concen: 20.467 ng
RT: 7.316 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF135463.D
Acq: 26 Sep 2023 20:31

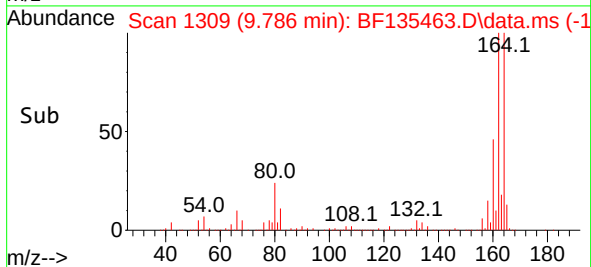
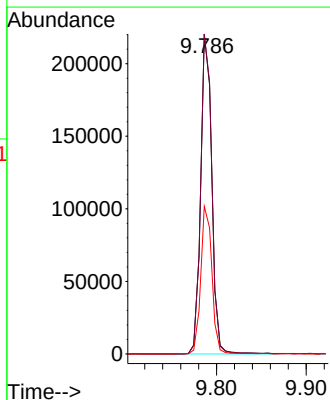
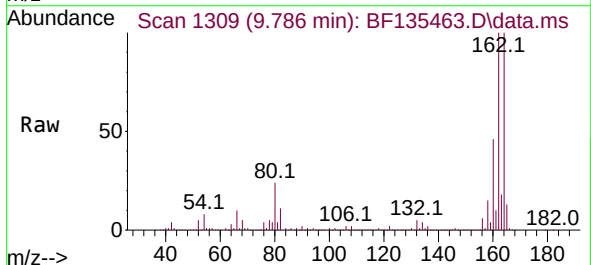
Instrument :
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ClientSampleId :
SU-04-09222023

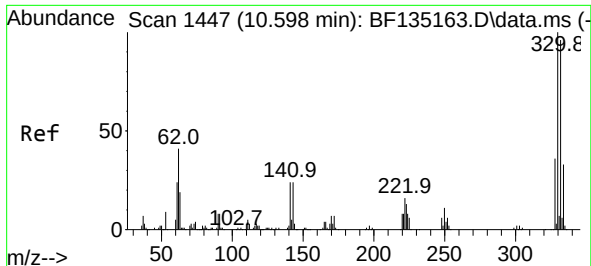
Tgt Ion: 82 Resp: 304267
Ion Ratio Lower Upper
82 100
95 0.1 6.0 9.0#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.786 min Scan# 1309
Delta R.T. -0.006 min
Lab File: BF135463.D
Acq: 26 Sep 2023 20:31

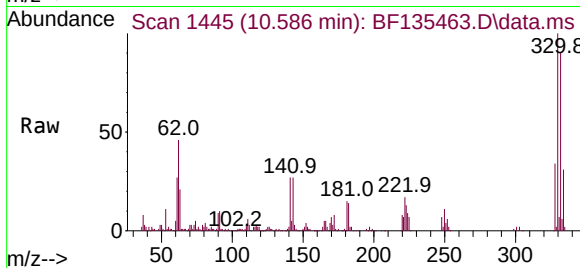
Tgt Ion: 164 Resp: 189413
Ion Ratio Lower Upper
164 100
162 100.1 81.0 121.4
160 46.2 37.0 55.4



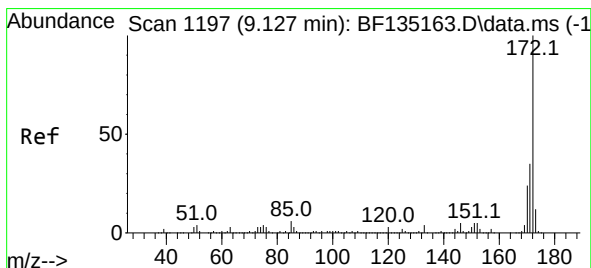
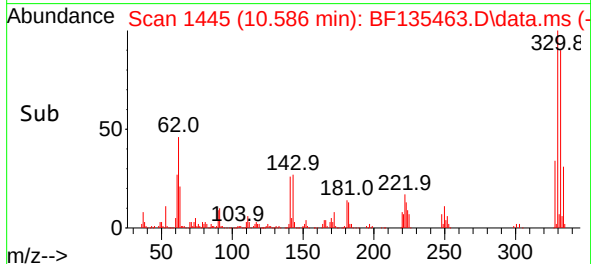
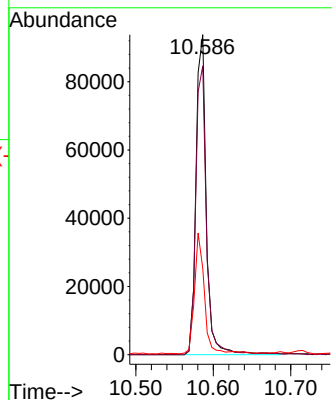


#42
2,4,6-Tribromophenol
Concen: 46.063 ng
RT: 10.586 min Scan# 1445
Delta R.T. -0.000 min
Lab File: BF135463.D
Acq: 26 Sep 2023 20:31

Instrument :
BNA_F
ClientSampleId :
SU-04-09222023

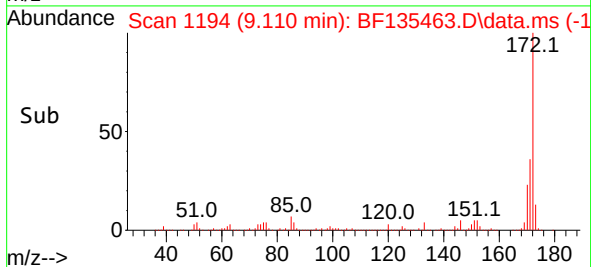
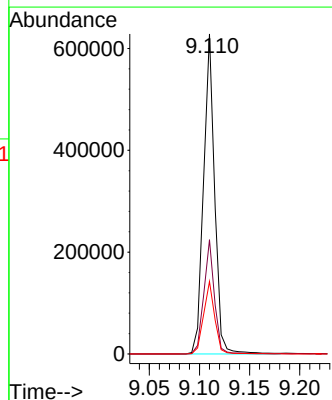
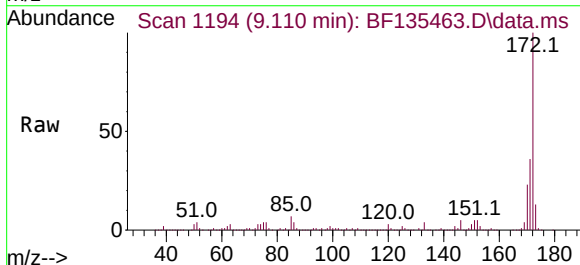


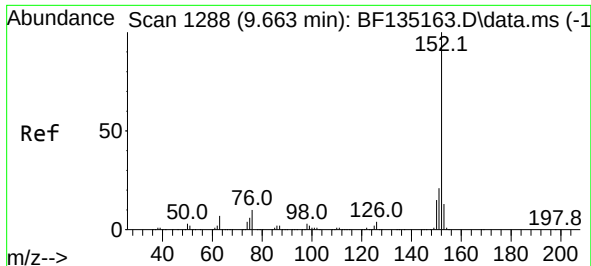
Tgt Ion:330 Resp: 86704
Ion Ratio Lower Upper
330 100
332 92.8 77.3 115.9
141 35.5 25.8 38.8



#45
2-Fluorobiphenyl
Concen: 38.785 ng
RT: 9.110 min Scan# 1194
Delta R.T. -0.006 min
Lab File: BF135463.D
Acq: 26 Sep 2023 20:31

Tgt Ion:172 Resp: 486931
Ion Ratio Lower Upper
172 100
171 35.7 28.4 42.6
170 22.6 19.0 28.4





#49

Acenaphthylene

Concen: 4.684 ng

RT: 9.651 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF135463.D

Acq: 26 Sep 2023 20:31

Instrument :

BNA_F

ClientSampleId :

SU-04-09222023

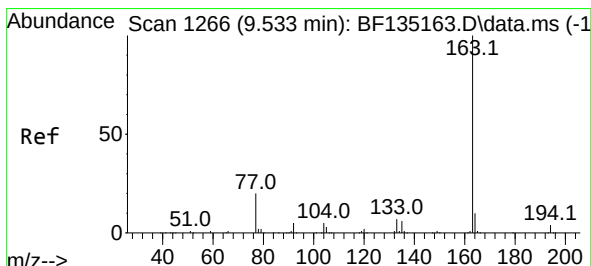
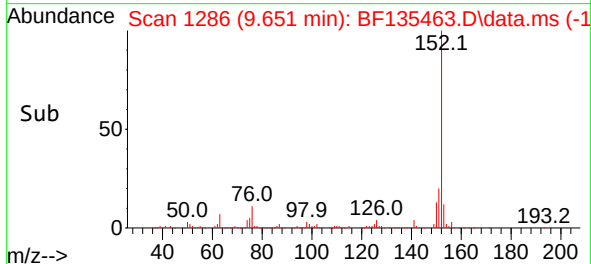
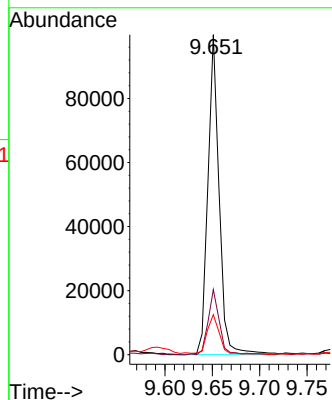
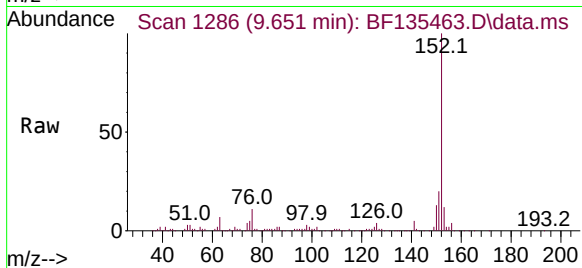
Tgt Ion:152 Resp: 82216

Ion Ratio Lower Upper

152 100

151 20.3 16.4 24.6

153 12.5 10.4 15.6



#50

Dimethylphthalate

Concen: 2.574 ng

RT: 9.786 min Scan# 1309

Delta R.T. 0.265 min

Lab File: BF135463.D

Acq: 26 Sep 2023 20:31

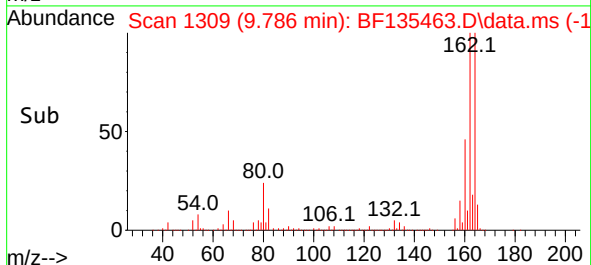
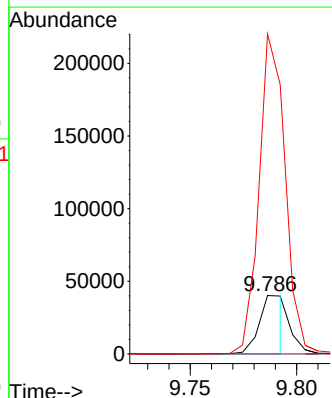
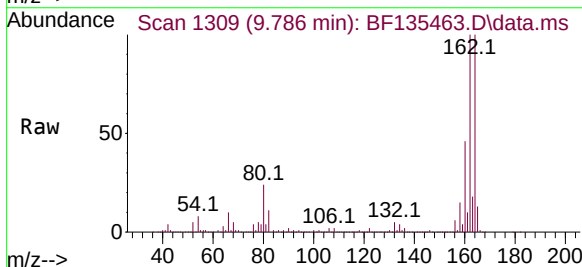
Tgt Ion:163 Resp: 32959

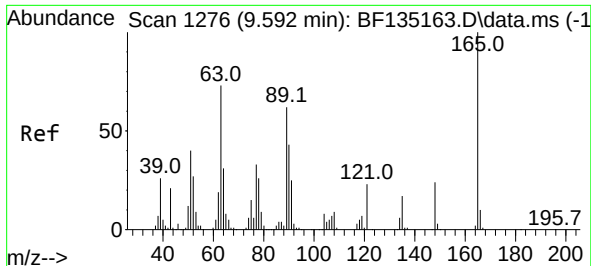
Ion Ratio Lower Upper

163 100

194 0.0 3.1 4.7#

164 547.4 8.1 12.1#





#51

2,6-Dinitrotoluene

Concen: 9.086 ng

RT: 9.786 min Scan# 1

Delta R.T. 0.200 min

Lab File: BF135463.D

Acq: 26 Sep 2023 20:31

Instrument :

BNA_F

ClientSampleId :

SU-04-09222023

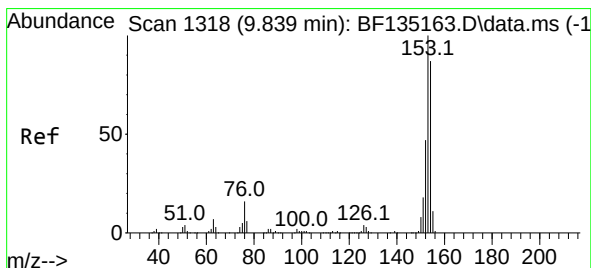
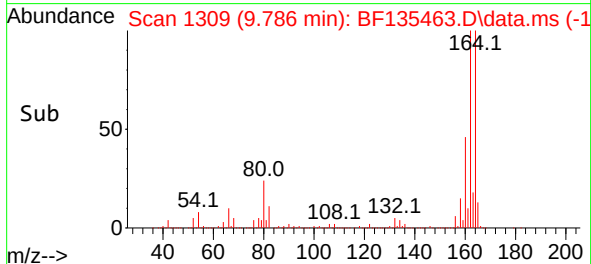
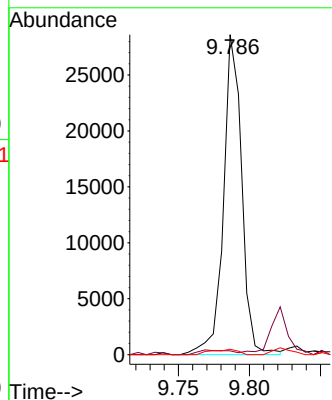
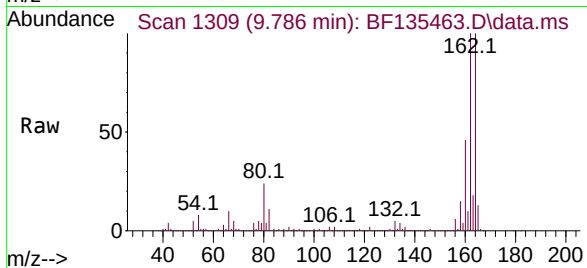
Tgt Ion:165 Resp: 25491

Ion Ratio Lower Upper

165 100

63 1.2 59.4 89.2#

89 1.7 49.8 74.8#



#52

Acenaphthene

Concen: 3.582 ng

RT: 9.822 min Scan# 1315

Delta R.T. -0.006 min

Lab File: BF135463.D

Acq: 26 Sep 2023 20:31

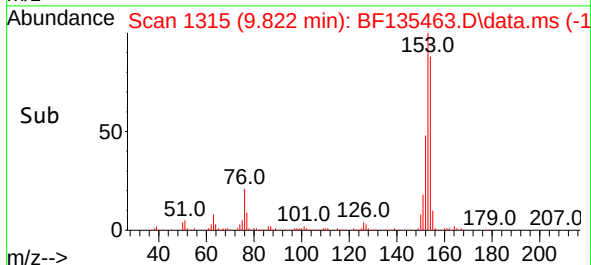
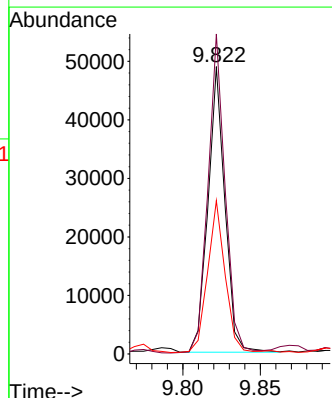
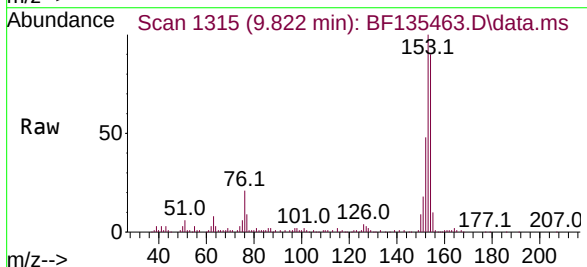
Tgt Ion:154 Resp: 37136

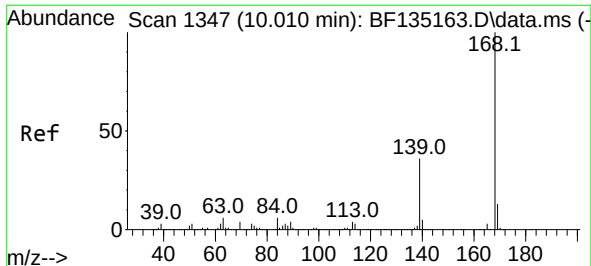
Ion Ratio Lower Upper

154 100

153 111.4 92.1 138.1

152 53.4 43.1 64.7

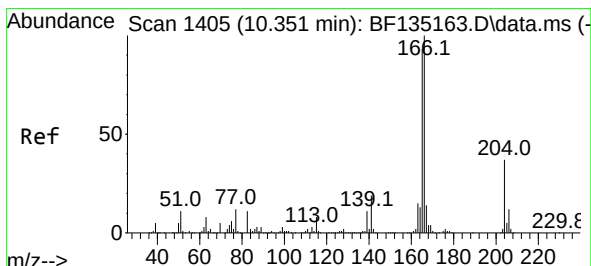
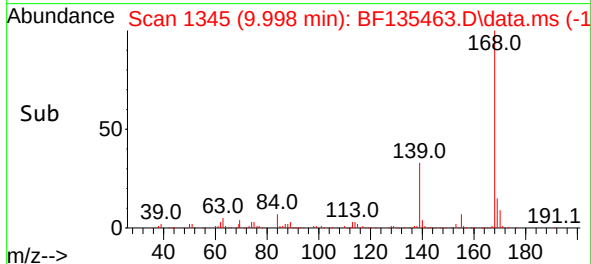
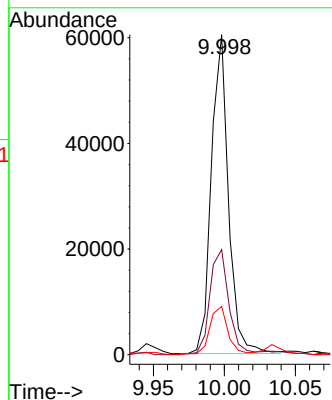
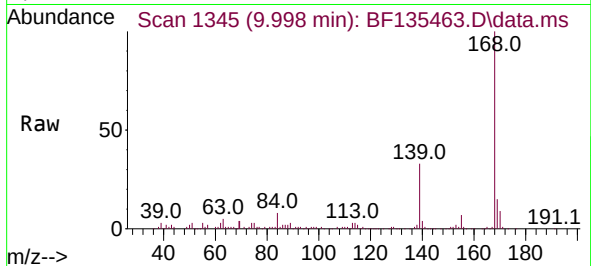




#55
Dibenzenofuran
Concen: 3.190 ng
RT: 9.998 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF135463.D
Acq: 26 Sep 2023 20:31

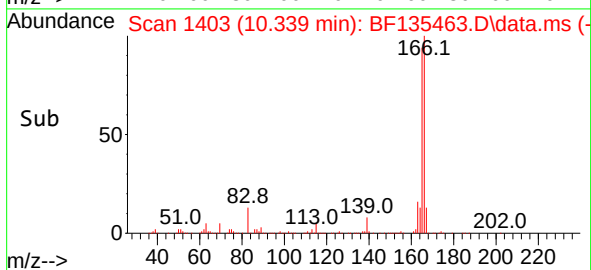
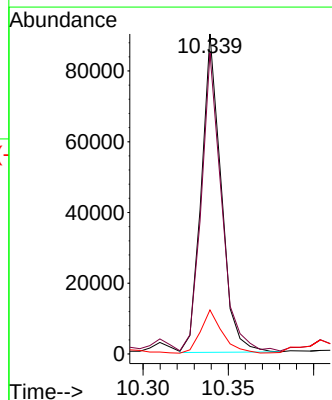
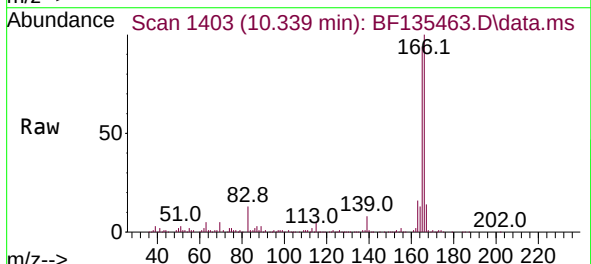
Instrument :
BNA_F
ClientSampleId :
SU-04-09222023

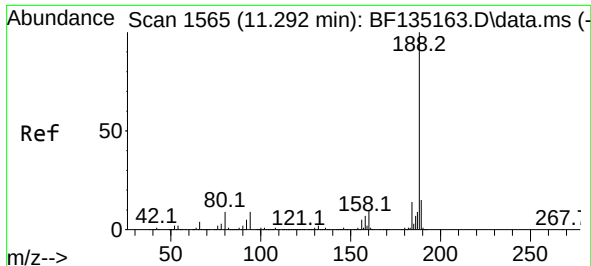
Tgt Ion:168 Resp: 50472
Ion Ratio Lower Upper
168 100
139 32.8 29.0 43.6
169 15.1 10.4 15.6



#58
Fluorene
Concen: 5.977 ng
RT: 10.339 min Scan# 1403
Delta R.T. -0.006 min
Lab File: BF135463.D
Acq: 26 Sep 2023 20:31

Tgt Ion:166 Resp: 72698
Ion Ratio Lower Upper
166 100
165 94.1 74.3 111.5
167 13.7 10.9 16.3

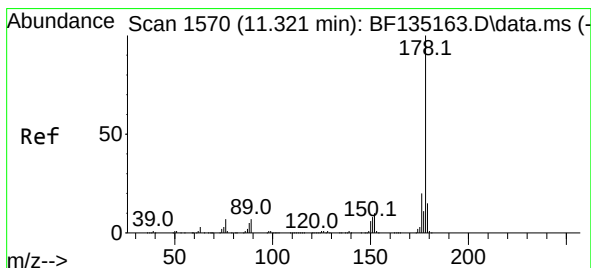
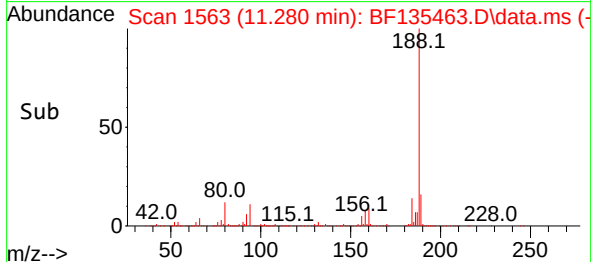
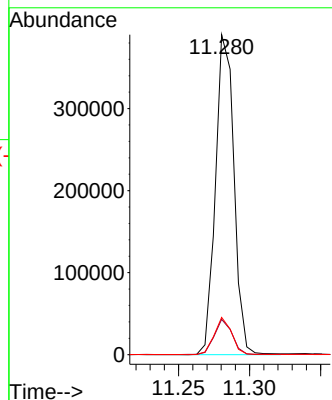
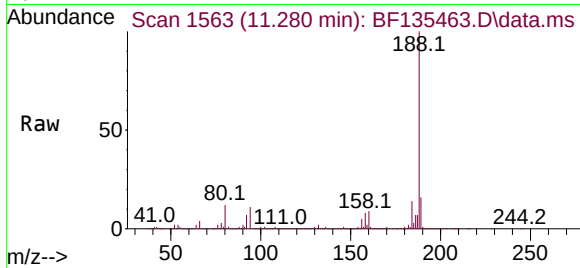




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.280 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135463.D
Acq: 26 Sep 2023 20:31

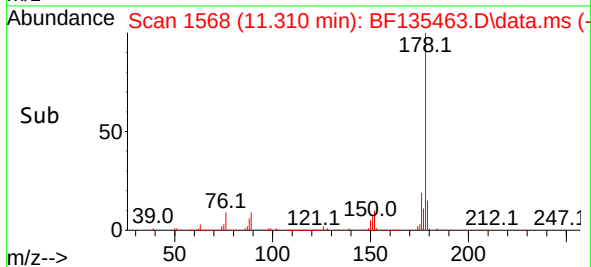
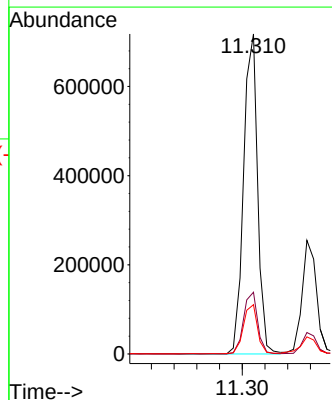
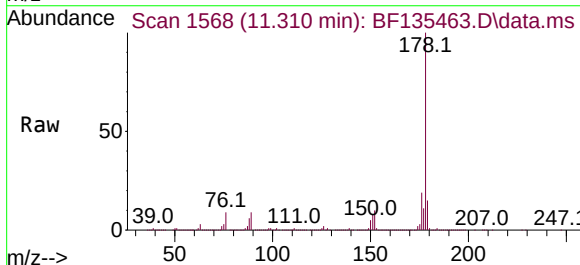
Instrument :
BNA_F
ClientSampleId :
SU-04-09222023

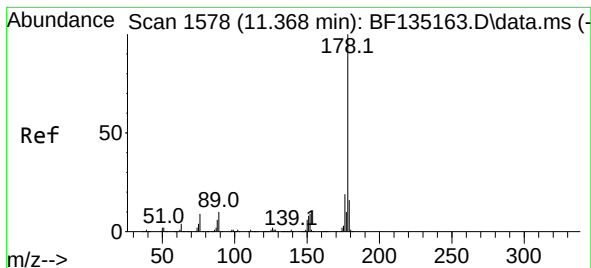
Tgt Ion:188 Resp: 352208
Ion Ratio Lower Upper
188 100
94 11.1 7.0 10.6#
80 11.7 7.5 11.3#



#71
Phenanthrene
Concen: 36.932 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.000 min
Lab File: BF135463.D
Acq: 26 Sep 2023 20:31

Tgt Ion:178 Resp: 615209
Ion Ratio Lower Upper
178 100
176 19.3 15.6 23.4
179 15.4 12.0 18.0





#72

Anthracene

Concen: 12.693 ng

RT: 11.357 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135463.D

Acq: 26 Sep 2023 20:31

Instrument :

BNA_F

ClientSampleId :

SU-04-09222023

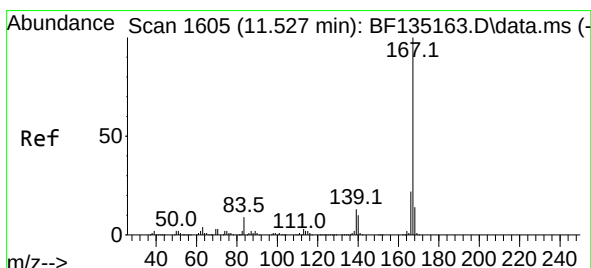
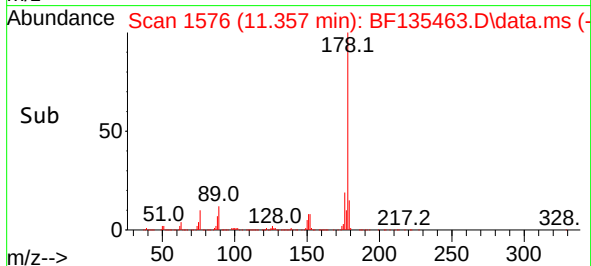
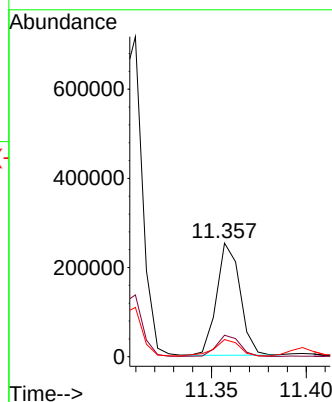
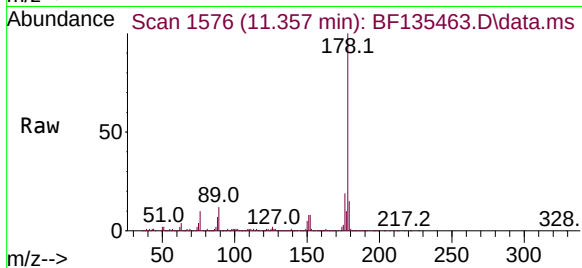
Tgt Ion:178 Resp: 217341

Ion Ratio Lower Upper

178 100

176 18.8 15.4 23.2

179 15.0 12.6 19.0



#73

Carbazole

Concen: 3.020 ng

RT: 11.522 min Scan# 1604

Delta R.T. -0.000 min

Lab File: BF135463.D

Acq: 26 Sep 2023 20:31

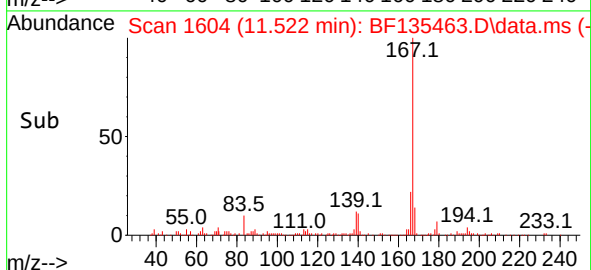
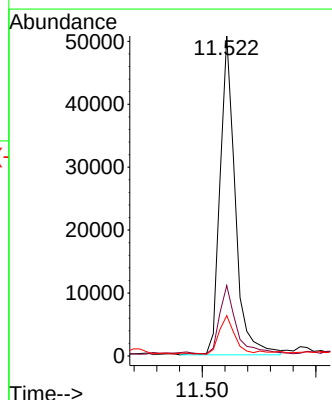
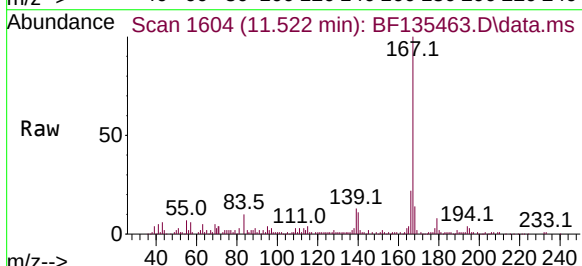
Tgt Ion:167 Resp: 47067

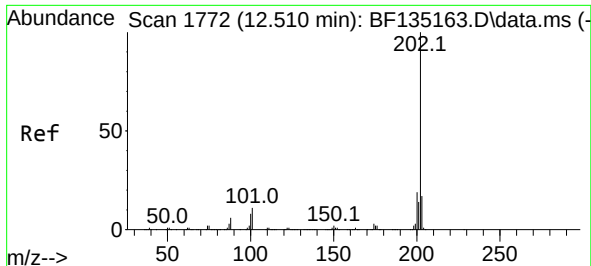
Ion Ratio Lower Upper

167 100

166 22.0 17.4 26.0

139 12.6 10.6 15.8

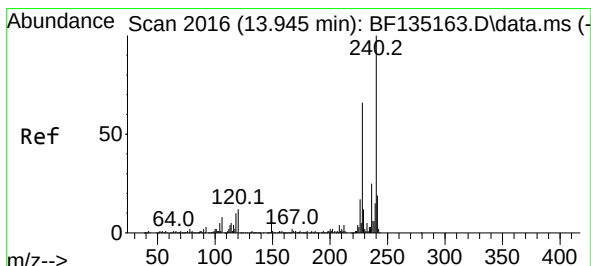
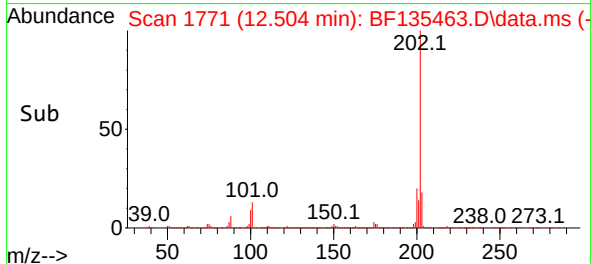
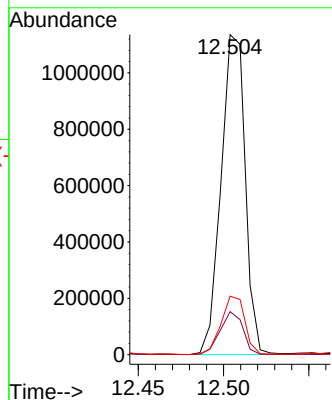
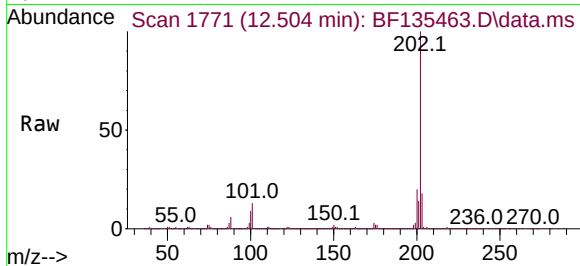




#75
Fluoranthene
Concen: 64.569 ng
RT: 12.504 min Scan# 1771
Delta R.T. -0.000 min
Lab File: BF135463.D
Acq: 26 Sep 2023 20:31

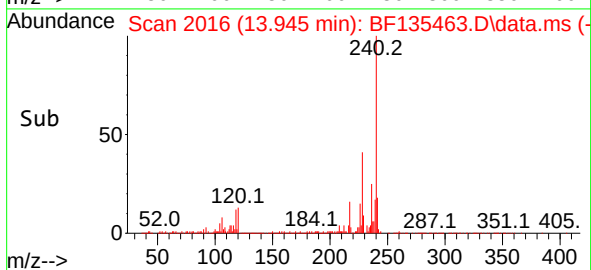
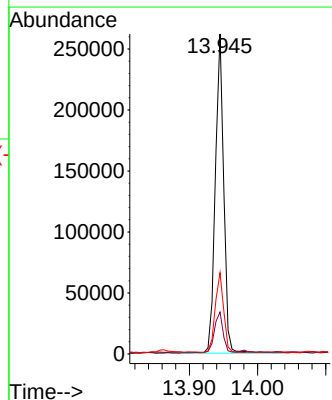
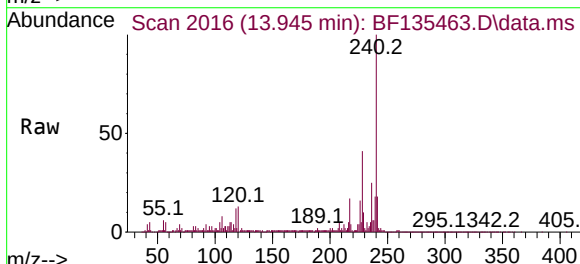
Instrument :
BNA_F
ClientSampleId :
SU-04-09222023

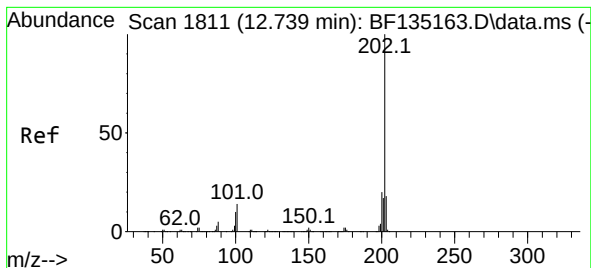
Tgt Ion:202 Resp: 1120742
Ion Ratio Lower Upper
202 100
101 13.4 0.0 31.3
203 18.3 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.945 min Scan# 2016
Delta R.T. -0.000 min
Lab File: BF135463.D
Acq: 26 Sep 2023 20:31

Tgt Ion:240 Resp: 225026
Ion Ratio Lower Upper
240 100
120 13.1 9.4 14.2
236 25.4 19.8 29.8





#78

Pyrene

Concen: 48.129 ng

RT: 12.739 min Scan# 1811

Delta R.T. 0.006 min

Lab File: BF135463.D

Acq: 26 Sep 2023 20:31

Instrument :

BNA_F

ClientSampleId :

SU-04-09222023

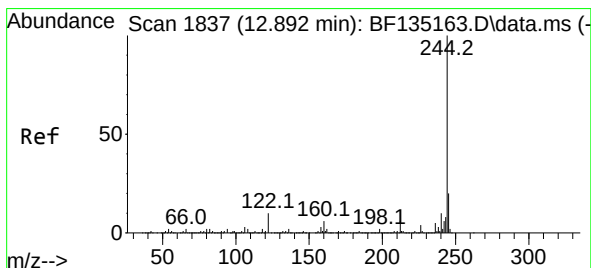
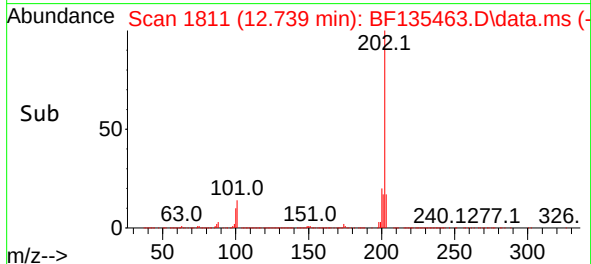
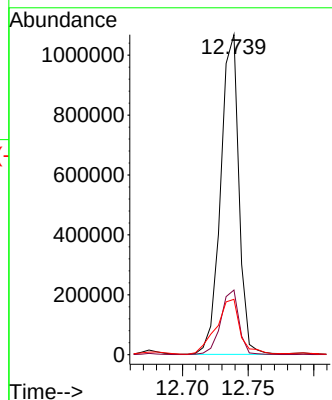
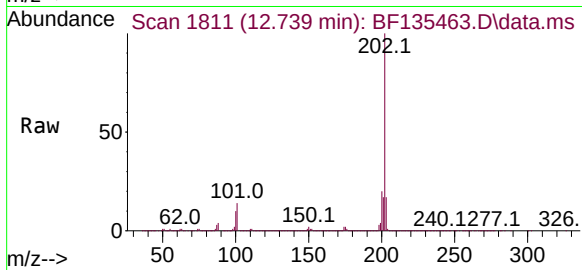
Tgt Ion:202 Resp: 1031118

Ion Ratio Lower Upper

202 100

200 20.2 16.2 24.2

203 17.3 14.2 21.4



#79

Terphenyl-d14

Concen: 34.343 ng

RT: 12.880 min Scan# 1835

Delta R.T. -0.000 min

Lab File: BF135463.D

Acq: 26 Sep 2023 20:31

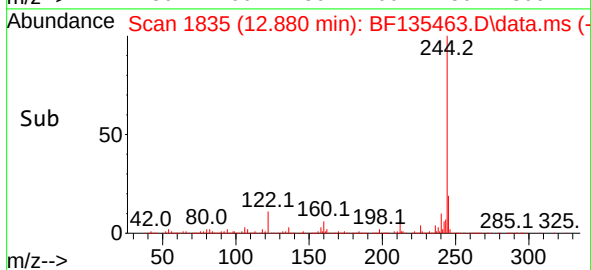
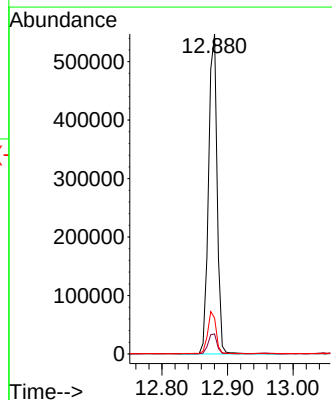
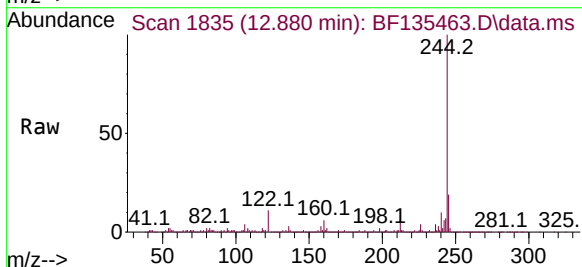
Tgt Ion:244 Resp: 498524

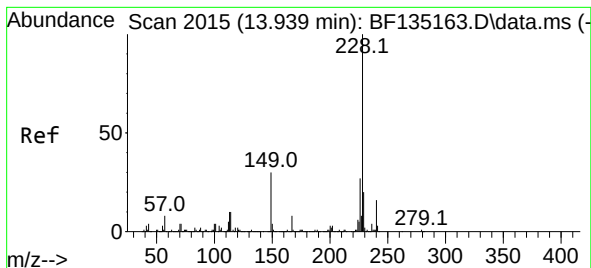
Ion Ratio Lower Upper

244 100

212 6.2 5.1 7.7

122 11.2 7.9 11.9





#81

Benzo(a)anthracene

Concen: 36.071 ng

RT: 13.933 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF135463.D

Acq: 26 Sep 2023 20:31

Instrument :

BNA_F

ClientSampleId :

SU-04-09222023

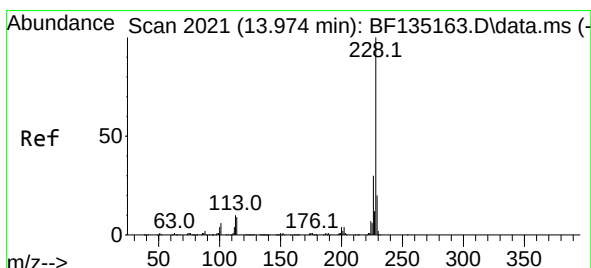
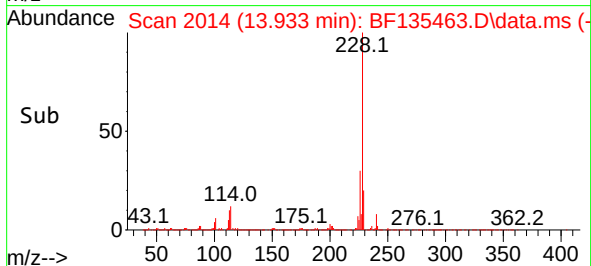
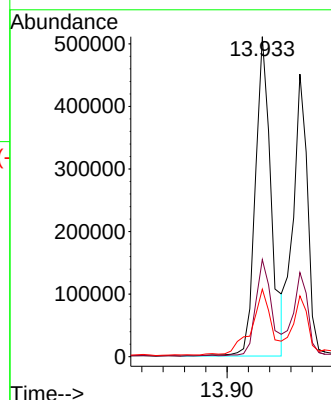
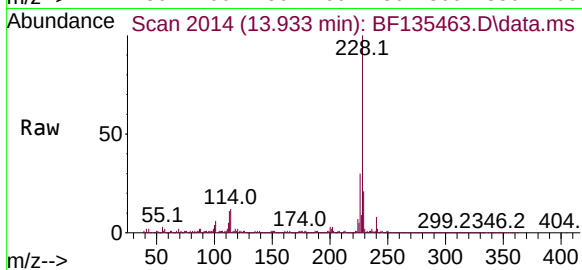
Tgt Ion:228 Resp: 524138

Ion Ratio Lower Upper

228 100

226 30.4 21.7 32.5

229 21.1 15.8 23.8



#83

Chrysene

Concen: 29.554 ng

RT: 13.968 min Scan# 2020

Delta R.T. -0.000 min

Lab File: BF135463.D

Acq: 26 Sep 2023 20:31

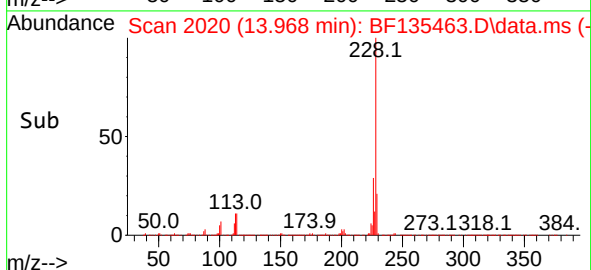
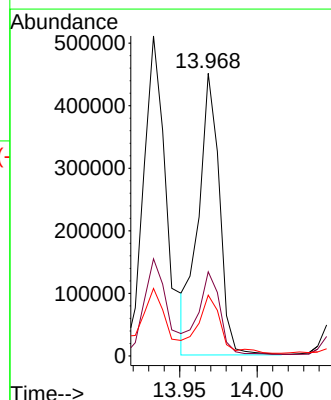
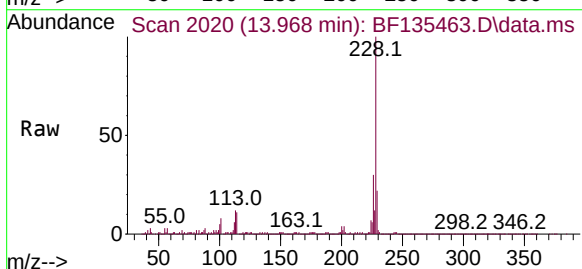
Tgt Ion:228 Resp: 426962

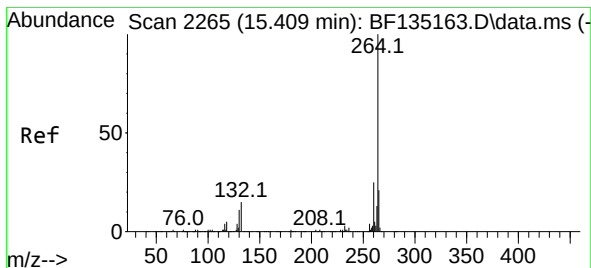
Ion Ratio Lower Upper

228 100

226 29.8 24.3 36.5

229 21.5 16.0 24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.415 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF135463.D

Acq: 26 Sep 2023 20:31

Instrument :

BNA_F

ClientSampleId :

SU-04-09222023

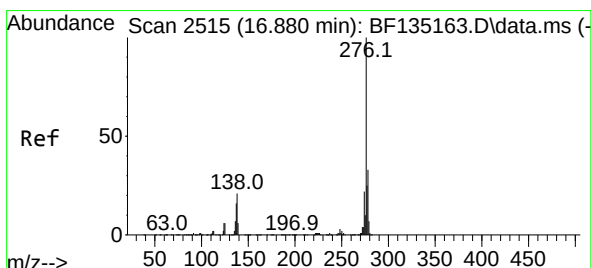
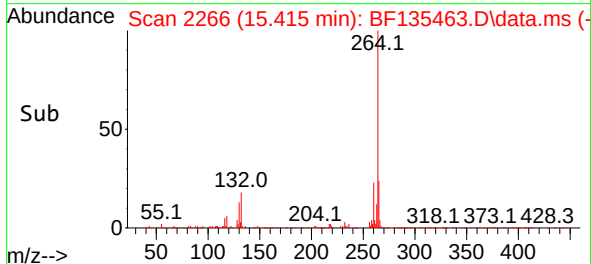
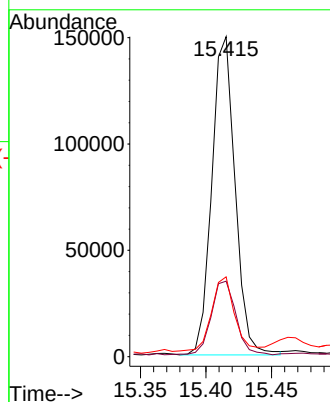
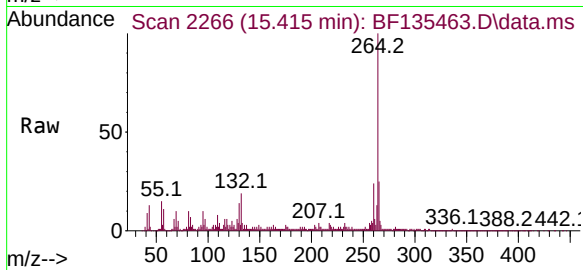
Tgt Ion:264 Resp: 184742

Ion Ratio Lower Upper

264 100

260 23.6 19.8 29.6

265 24.9 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 14.548 ng

RT: 16.898 min Scan# 2518

Delta R.T. 0.012 min

Lab File: BF135463.D

Acq: 26 Sep 2023 20:31

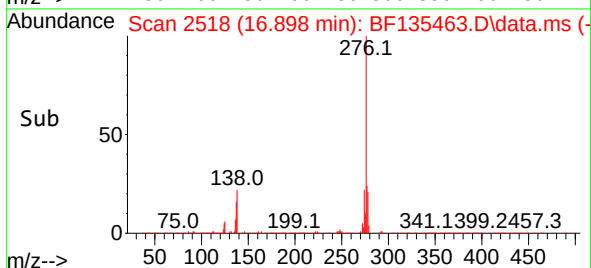
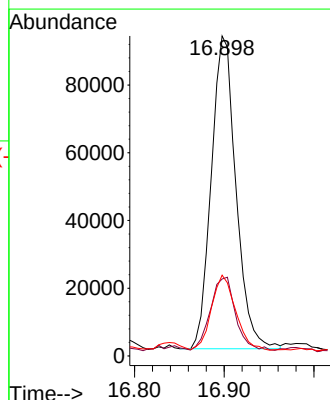
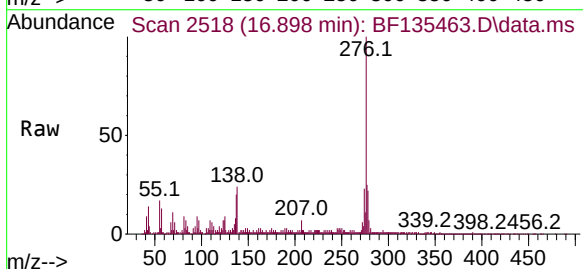
Tgt Ion:276 Resp: 176215

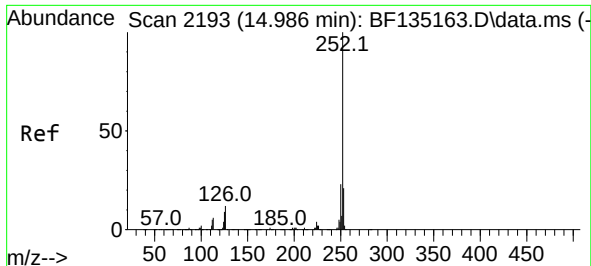
Ion Ratio Lower Upper

276 100

138 23.8 19.2 28.8

277 23.4 19.7 29.5

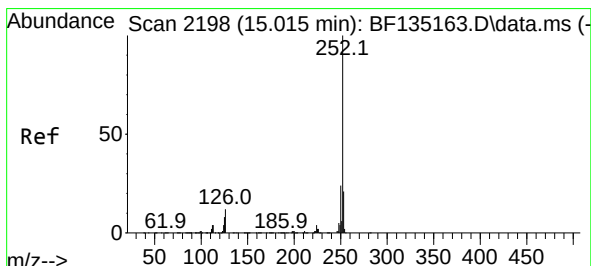
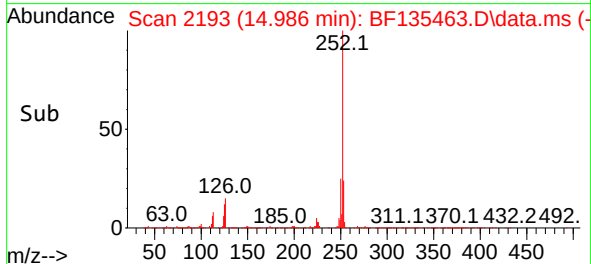
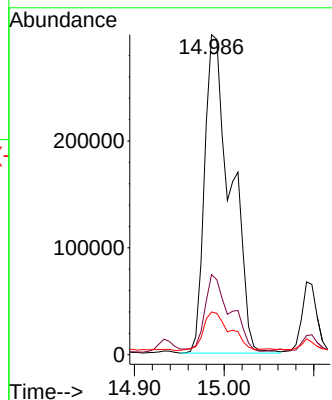
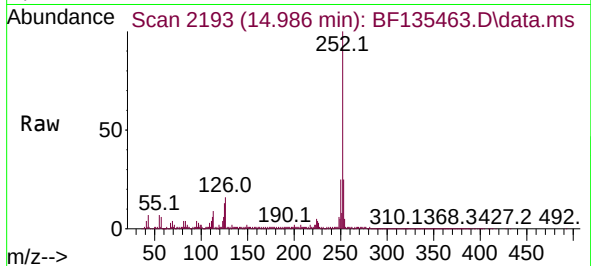




#88
Benzo(b)fluoranthene
Concen: 60.681 ng
RT: 14.986 min Scan# 2193
Delta R.T. 0.006 min
Lab File: BF135463.D
Acq: 26 Sep 2023 20:31

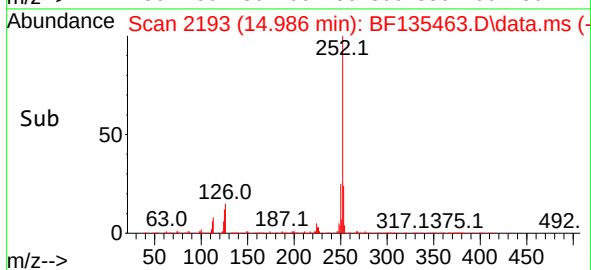
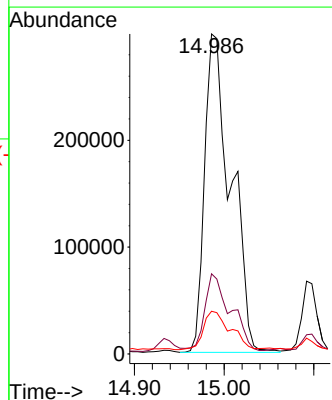
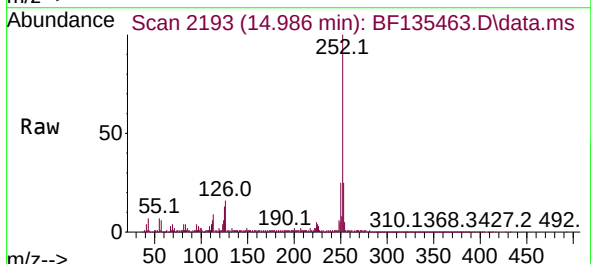
Instrument :
BNA_F
ClientSampleId :
SU-04-09222023

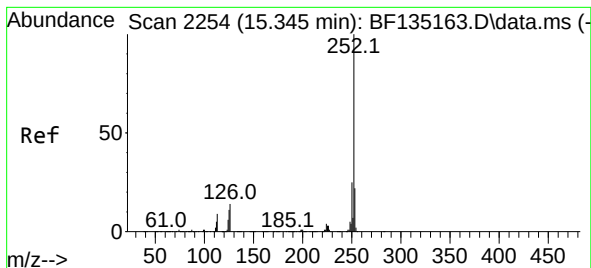
Tgt Ion:252 Resp: 606854
Ion Ratio Lower Upper
252 100
253 25.0 17.2 25.8
125 13.3 7.1 10.7#



#89
Benzo(k)fluoranthene
Concen: 61.429 ng
RT: 14.986 min Scan# 2193
Delta R.T. -0.024 min
Lab File: BF135463.D
Acq: 26 Sep 2023 20:31

Tgt Ion:252 Resp: 606854
Ion Ratio Lower Upper
252 100
253 25.0 17.4 26.0
125 13.3 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 32.933 ng

RT: 15.351 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF135463.D

Acq: 26 Sep 2023 20:31

Instrument :

BNA_F

ClientSampleId :

SU-04-09222023

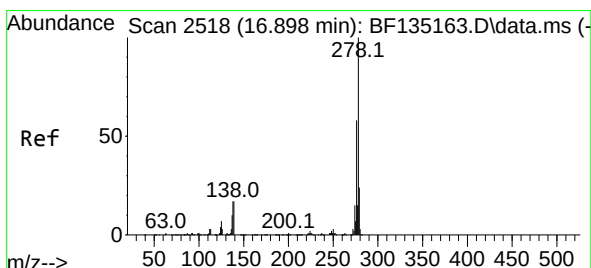
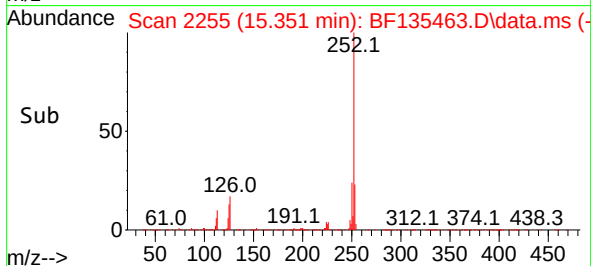
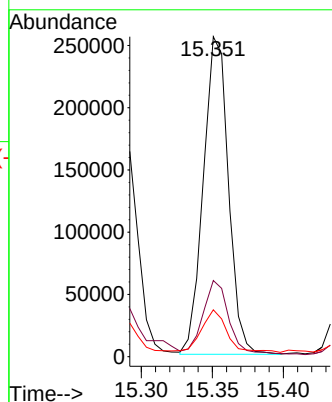
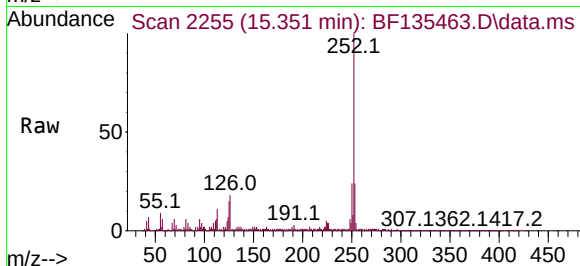
Tgt Ion:252 Resp: 314080

Ion Ratio Lower Upper

252 100

253 23.8 17.5 26.3

125 14.7 9.2 13.8#



#91

Dibenzo(a,h)anthracene

Concen: 4.720 ng

RT: 16.909 min Scan# 2520

Delta R.T. 0.012 min

Lab File: BF135463.D

Acq: 26 Sep 2023 20:31

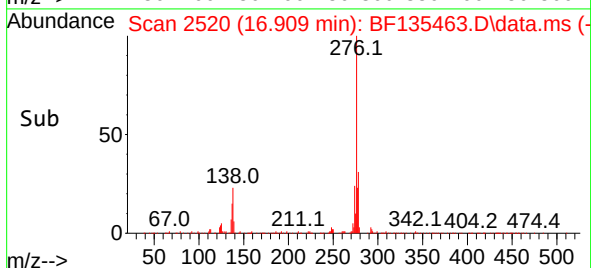
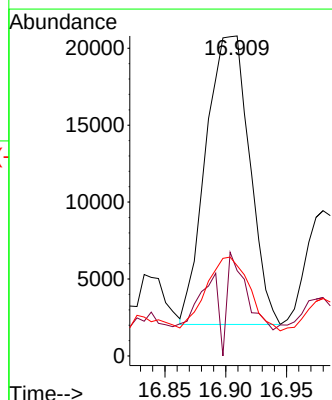
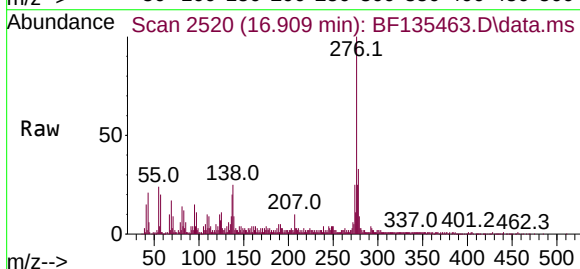
Tgt Ion:278 Resp: 46778

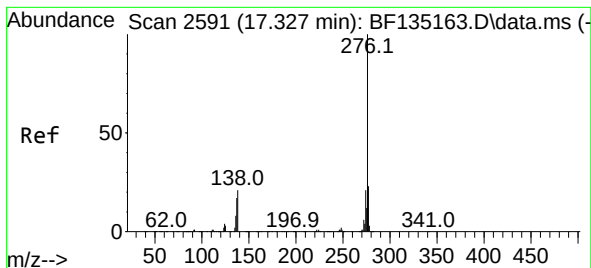
Ion Ratio Lower Upper

278 100

139 26.7 13.4 20.0#

279 28.2 19.0 28.6





#92

Benzo(g,h,i)perylene

Concen: 15.664 ng

RT: 17.351 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF135463.D

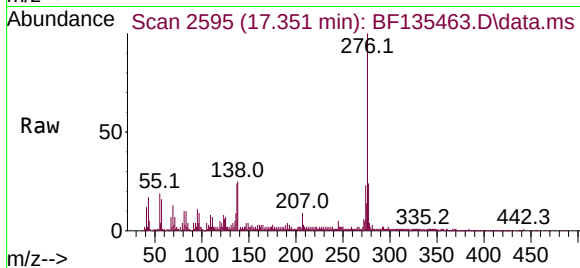
Acq: 26 Sep 2023 20:31

Instrument :

BNA_F

ClientSampleId :

SU-04-09222023



Tgt Ion:276 Resp: 162129

Ion Ratio Lower Upper

276 100

277 23.8 18.8 28.2

138 25.0 16.9 25.3

