

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101123\
 Data File : BF135722.D
 Acq On : 11 Oct 2023 19:47
 Operator : CG\JU
 Sample : 04808-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-100623

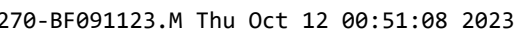
Quant Time: Oct 12 00:51:02 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 11 02:43:17 2023
 Response via : Initial Calibration

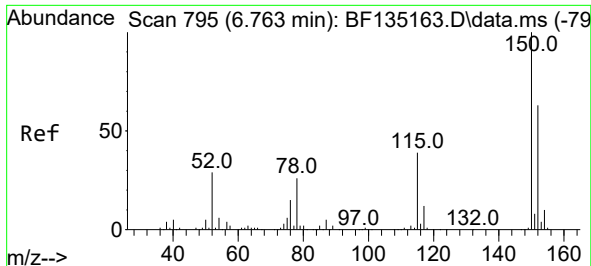
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.739	152	101776	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	371486	20.000	ng	0.00
39) Acenaphthene-d10	9.774	164	145674	20.000	ng	0.00
64) Phenanthrene-d10	11.274	188	251543	20.000	ng	0.00
76) Chrysene-d12	13.939	240	184688	20.000	ng	0.00
86) Perylene-d12	15.409	264	168717	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	549405	87.798	ng	0.00
7) Phenol-d6	6.392	99	654353	82.238	ng	0.00
23) Nitrobenzene-d5	7.304	82	406919	59.511	ng	0.00
42) 2,4,6-Tribromophenol	10.574	330	110495	76.327	ng	0.00
45) 2-Fluorobiphenyl	9.092	172	665068	68.880	ng	0.00
79) Terphenyl-d14	12.868	244	627006	52.628	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.304	70	53073	10.769	ng	# 80
25) Isophorone	7.304	82	406919	32.409	ng	# 65
31) Naphthalene	8.039	128	103756	5.748	ng	98
37) 2-Methylnaphthalene	8.733	142	38953	3.211	ng	96
38) 1-Methylnaphthalene	8.833	142	37046	3.261	ng	98
49) Acenaphthylene	9.639	152	40540	3.003	ng	98
51) 2,6-Dinitrotoluene	9.774	165	21153	9.804	ng	# 17
52) Acenaphthene	9.804	154	85229	10.688	ng	96
54) 2,4-Dinitrophenol	10.139	184	182	6.385	ng	# 43
55) Dibenzofuran	9.980	168	105841	8.698	ng	# 96
56) 4-Nitrophenol	9.980	139	40134	24.934	ng	# 4
58) Fluorene	10.327	166	146617	15.673	ng	99
67) 4-Bromophenyl-phenylether	10.569	248	7238	2.893	ng	# 1
71) Phenanthrene	11.298	178	948337	79.713	ng	99
72) Anthracene	11.351	178	369631	30.226	ng	99
73) Carbazole	11.516	167	69508	6.244	ng	98
75) Fluoranthene	12.504	202	1545998	124.713	ng	98
78) Pyrene	12.733	202	1428861	81.261	ng	99
81) Benzo(a)anthracene	13.927	228	762709	63.955	ng	98
83) Chrysene	13.968	228	614192	51.800	ng	97
87) Indeno(1,2,3-cd)pyrene	16.909	276	252357	22.813	ng	96
88) Benzo(b)fluoranthene	14.986	252	861003	94.271	ng	97
89) Benzo(k)fluoranthene	14.986	252	861003	95.433	ng	98
90) Benzo(a)pyrene	15.351	252	481976	55.337	ng	99
91) Dibenzo(a,h)anthracene	17.086	278	55163	6.095	ng	97
92) Benzo(g,h,i)perylene	17.362	276	223156	23.607	ng	98

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

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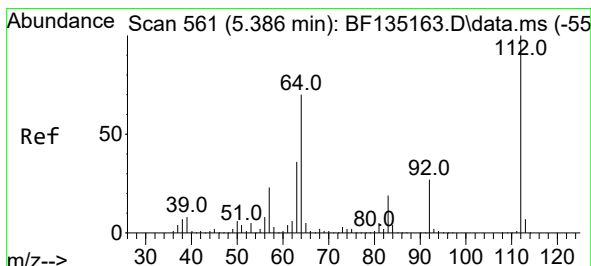
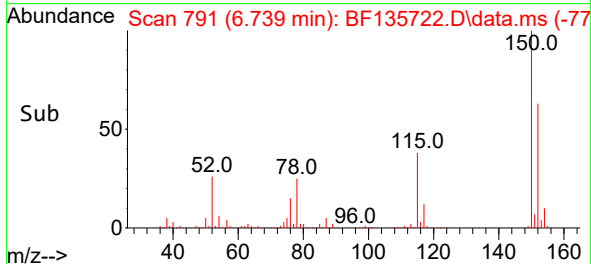
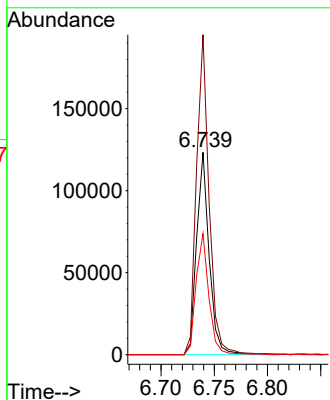
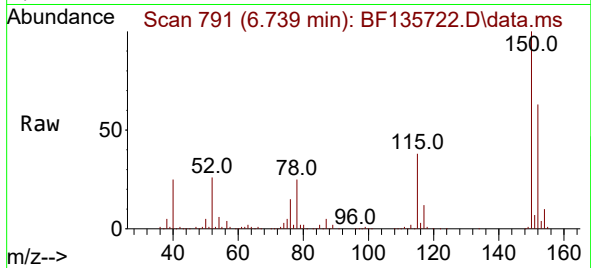




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.739 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF135722.D
Acq: 11 Oct 2023 19:47

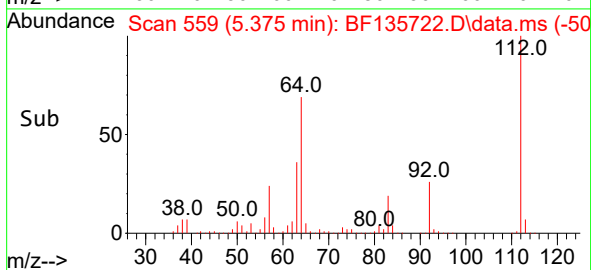
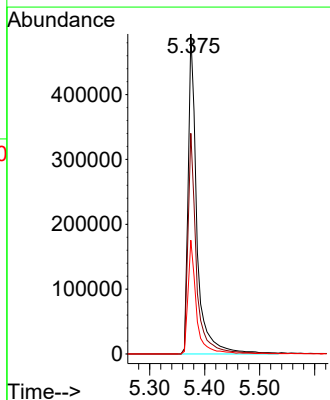
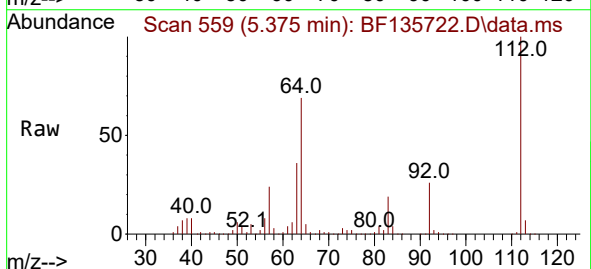
Instrument :
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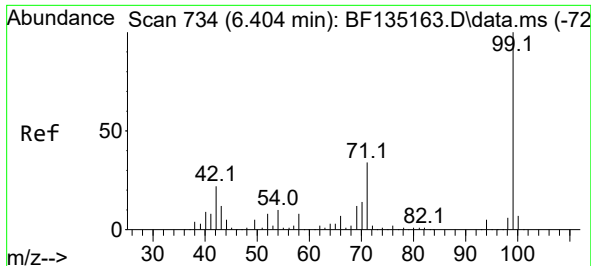
Tgt Ion:152 Resp: 101776
Ion Ratio Lower Upper
152 100
150 158.1 127.8 191.6
115 59.8 49.8 74.8



#5
2-Fluorophenol
Concen: 87.798 ng
RT: 5.375 min Scan# 559
Delta R.T. 0.006 min
Lab File: BF135722.D
Acq: 11 Oct 2023 19:47

Tgt Ion:112 Resp: 549405
Ion Ratio Lower Upper
112 100
64 69.0 55.9 83.9
63 35.5 29.0 43.6

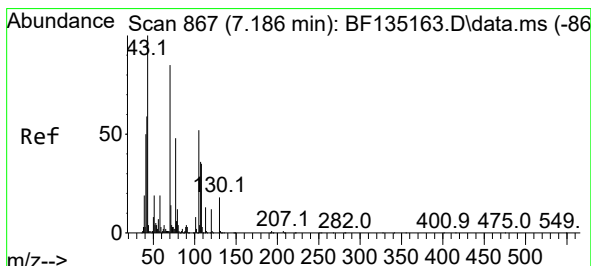
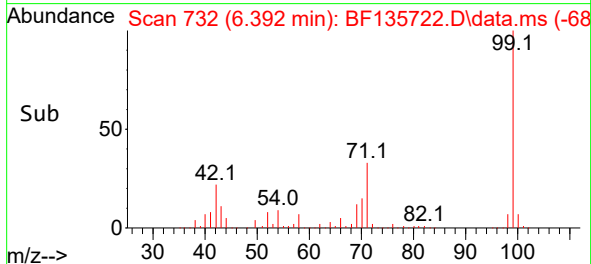
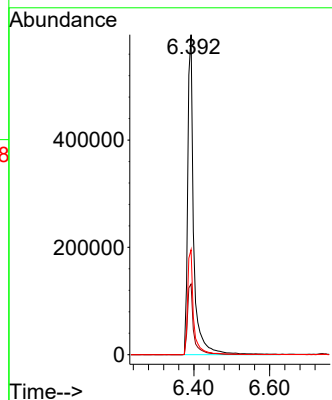
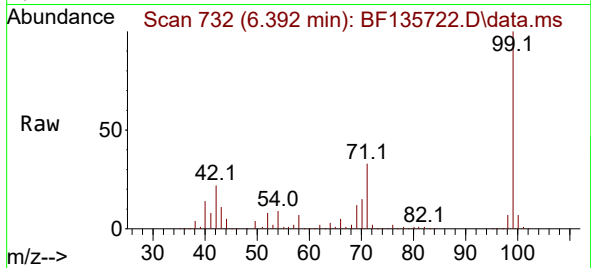




#7
Phenol-d6
Concen: 82.238 ng
RT: 6.392 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF135722.D
Acq: 11 Oct 2023 19:47

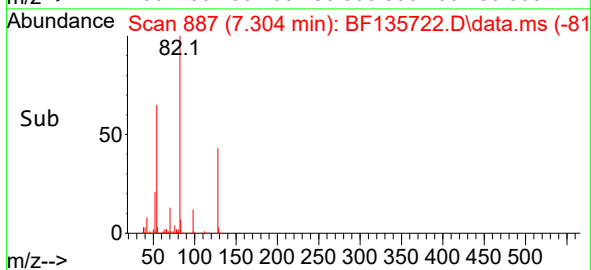
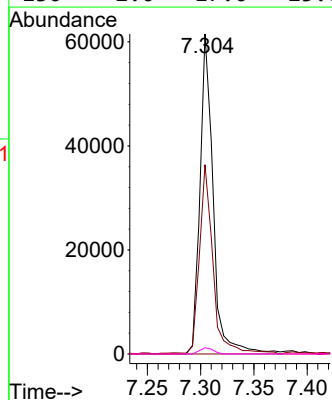
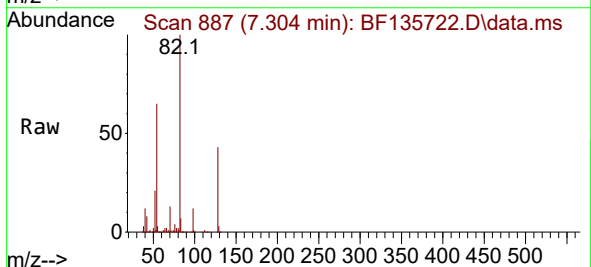
Instrument :
BNA_F
ClientSampleId :
SU-03-100623

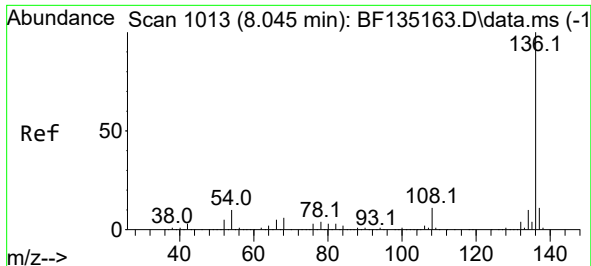
Tgt Ion: 99 Resp: 654353
Ion Ratio Lower Upper
99 100
42 22.1 17.9 26.9
71 32.8 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 10.769 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.147 min
Lab File: BF135722.D
Acq: 11 Oct 2023 19:47

Tgt Ion: 70 Resp: 53073
Ion Ratio Lower Upper
70 100
42 59.2 55.4 83.0
101 0.0 7.7 11.5#
130 2.0 17.0 25.6#

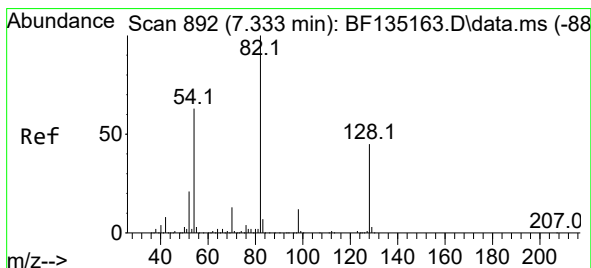
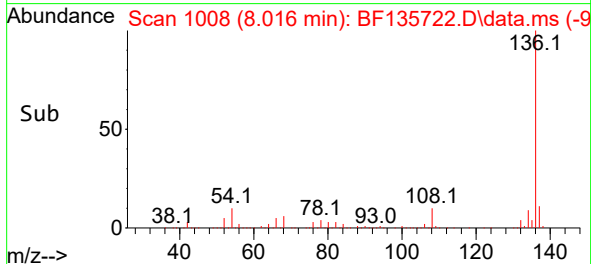
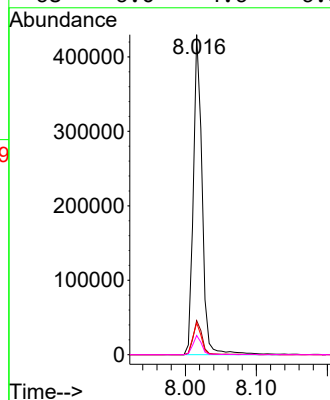
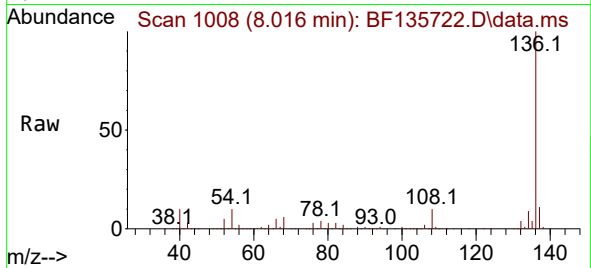




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF135722.D
Acq: 11 Oct 2023 19:47

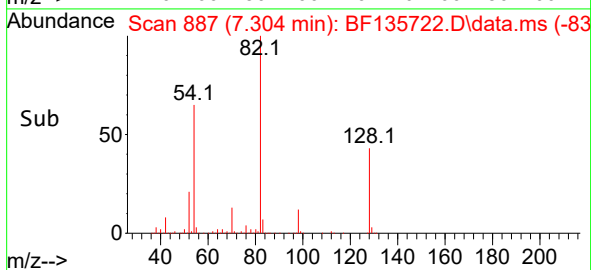
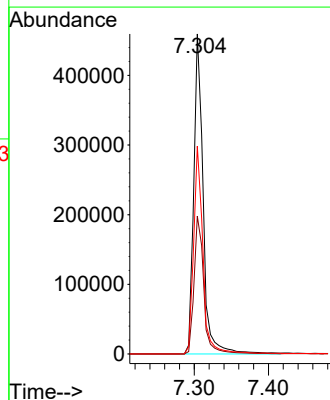
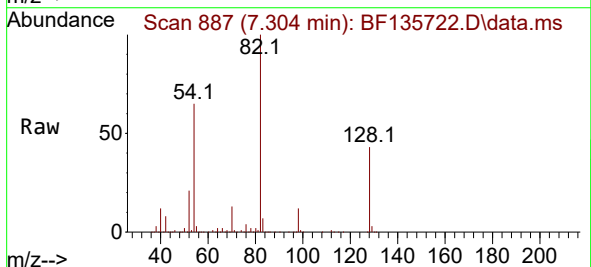
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ClientSampleId :
SU-03-100623

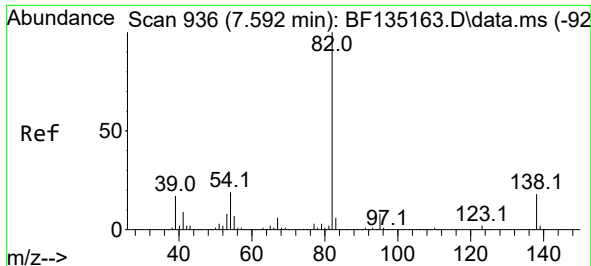
Tgt Ion:136 Resp: 371486
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 9.9 7.7 11.5
68 6.0 4.6 6.8



#23
Nitrobenzene-d5
Concen: 59.511 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF135722.D
Acq: 11 Oct 2023 19:47

Tgt Ion: 82 Resp: 406919
Ion Ratio Lower Upper
82 100
128 43.1 35.8 53.6
54 64.9 50.6 76.0

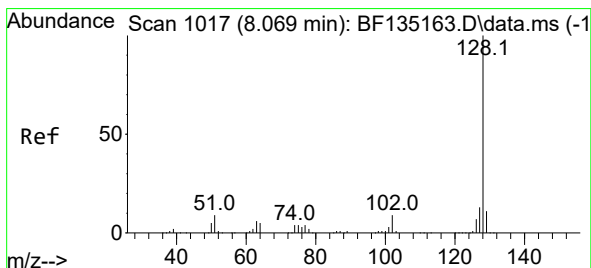
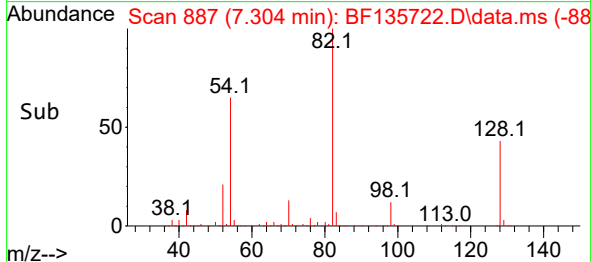
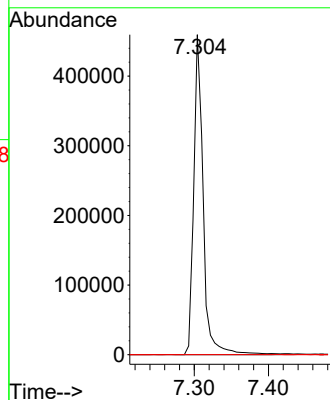
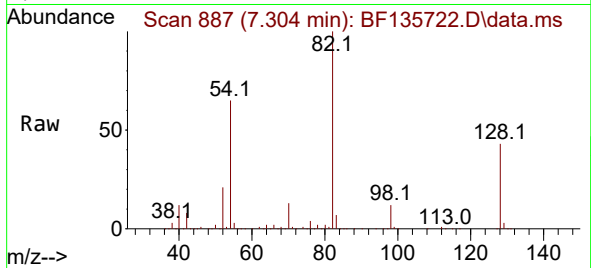




#25
Isophorone
Concen: 32.409 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF135722.D
Acq: 11 Oct 2023 19:47

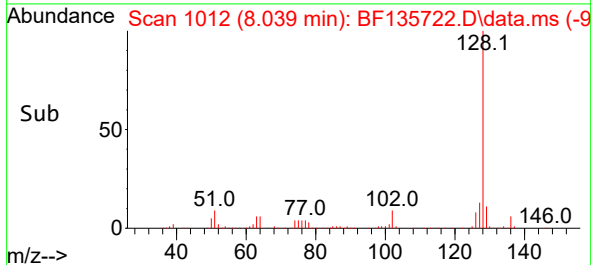
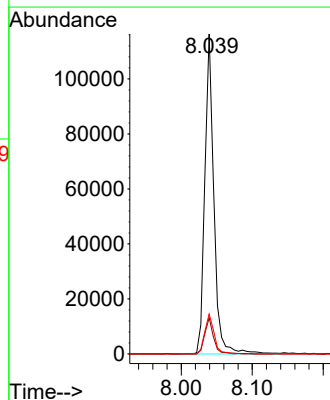
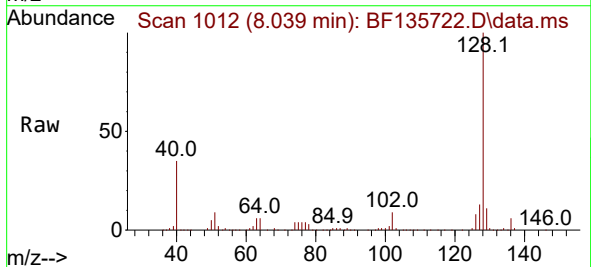
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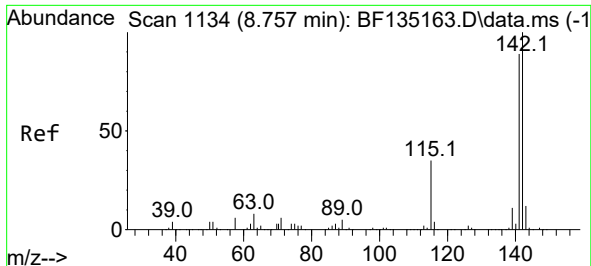
Tgt Ion: 82 Resp: 406919
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.5 21.7#



#31
Naphthalene
Concen: 5.748 ng
RT: 8.039 min Scan# 1012
Delta R.T. -0.000 min
Lab File: BF135722.D
Acq: 11 Oct 2023 19:47

Tgt Ion: 128 Resp: 103756
Ion Ratio Lower Upper
128 100
129 11.3 8.7 13.1
127 12.5 10.7 16.1

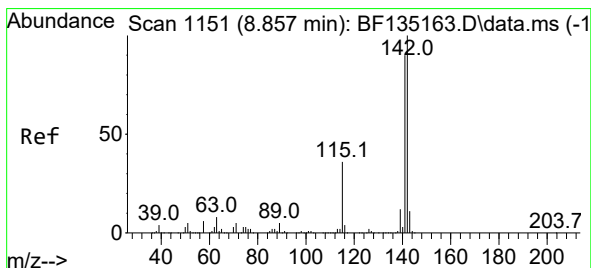
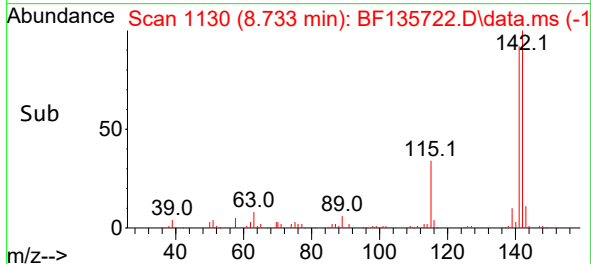
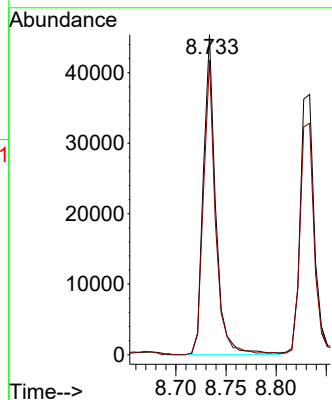
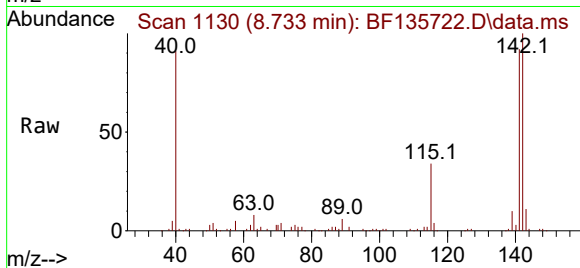




#37
2-Methylnaphthalene
Concen: 3.211 ng
RT: 8.733 min Scan# 1130
Delta R.T. -0.000 min
Lab File: BF135722.D
Acq: 11 Oct 2023 19:47

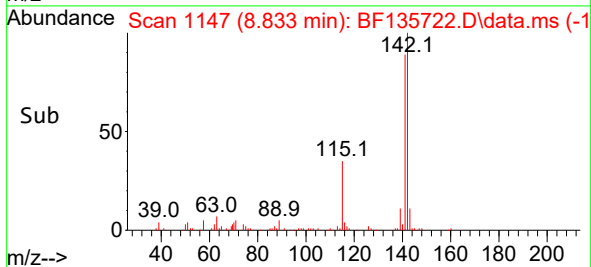
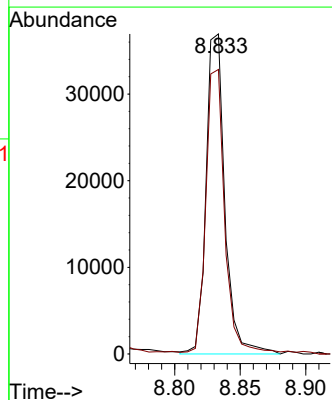
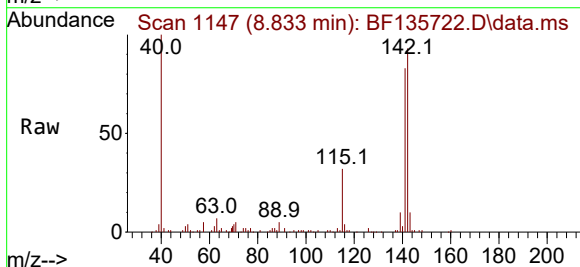
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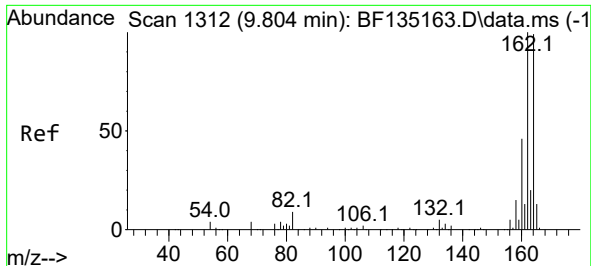
Tgt Ion:142 Resp: 38953
Ion Ratio Lower Upper
142 100
141 92.1 71.0 106.6



#38
1-Methylnaphthalene
Concen: 3.261 ng
RT: 8.833 min Scan# 1147
Delta R.T. -0.000 min
Lab File: BF135722.D
Acq: 11 Oct 2023 19:47

Tgt Ion:142 Resp: 37046
Ion Ratio Lower Upper
142 100
141 88.9 72.4 108.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.774 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135722.D

Acq: 11 Oct 2023 19:47

Instrument :

BNA_F

ClientSampleId :

SU-03-100623

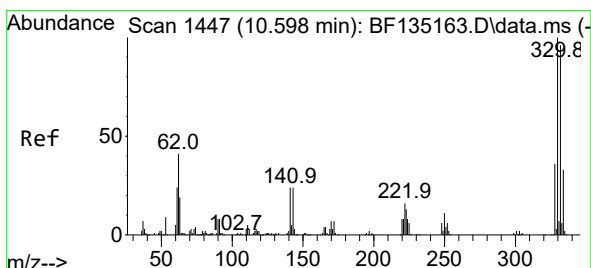
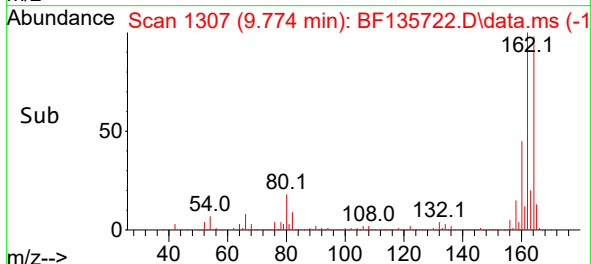
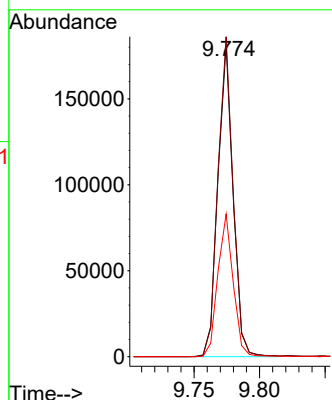
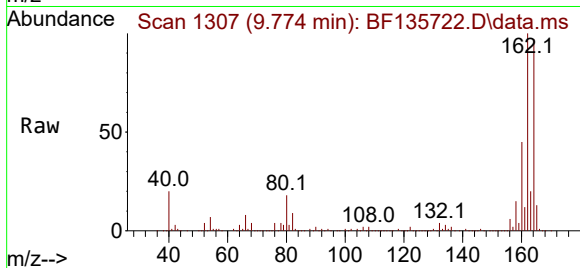
Tgt Ion:164 Resp: 145674

Ion Ratio Lower Upper

164 100

162 102.6 81.0 121.4

160 45.7 37.0 55.4



#42

2,4,6-Tribromophenol

Concen: 76.327 ng

RT: 10.574 min Scan# 1443

Delta R.T. -0.000 min

Lab File: BF135722.D

Acq: 11 Oct 2023 19:47

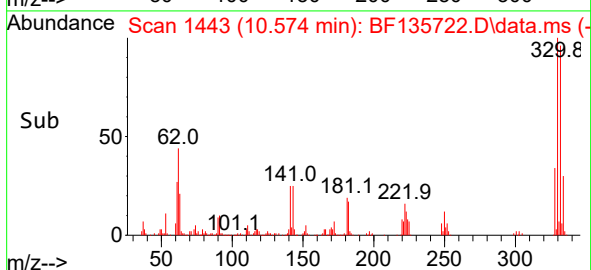
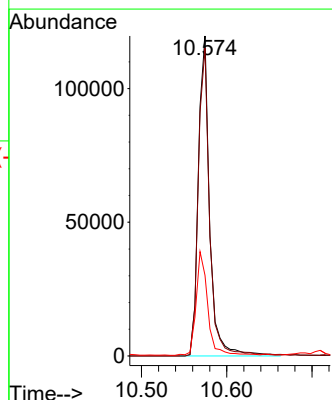
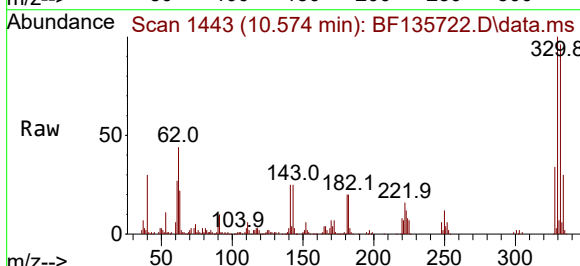
Tgt Ion:330 Resp: 110495

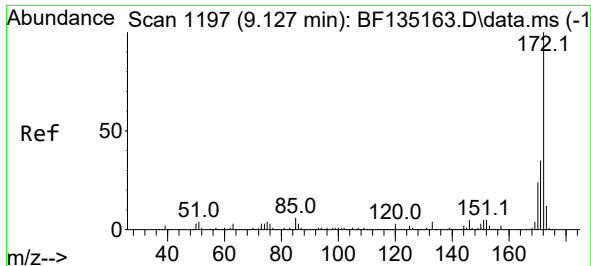
Ion Ratio Lower Upper

330 100

332 97.6 77.3 115.9

141 33.2 25.8 38.8





#45

2-Fluorobiphenyl

Concen: 68.880 ng

RT: 9.092 min Scan# 1191

Delta R.T. -0.006 min

Lab File: BF135722.D

Acq: 11 Oct 2023 19:47

Instrument :

BNA_F

ClientSampleId :

SU-03-100623

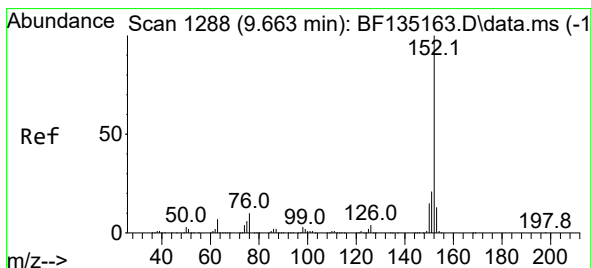
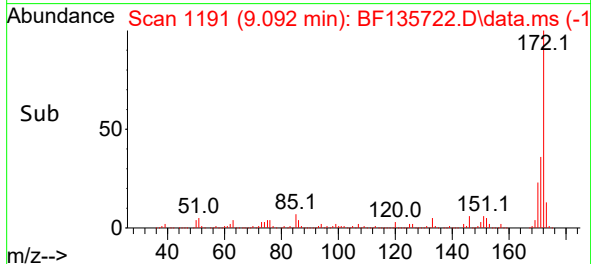
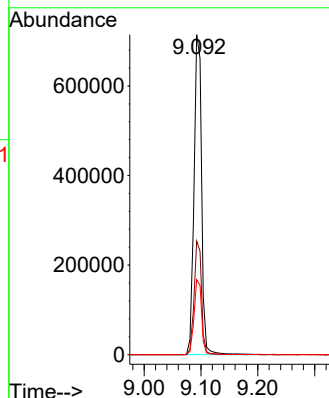
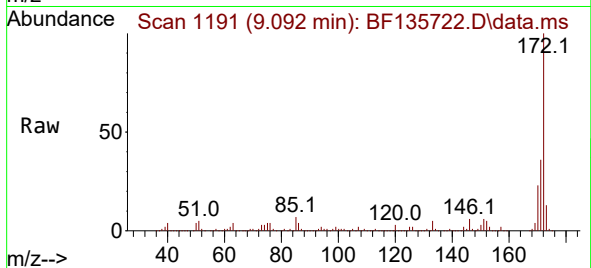
Tgt Ion:172 Resp: 665068

Ion Ratio Lower Upper

172 100

171 35.5 28.4 42.6

170 23.4 19.0 28.4



#49

Acenaphthylene

Concen: 3.003 ng

RT: 9.639 min Scan# 1284

Delta R.T. -0.000 min

Lab File: BF135722.D

Acq: 11 Oct 2023 19:47

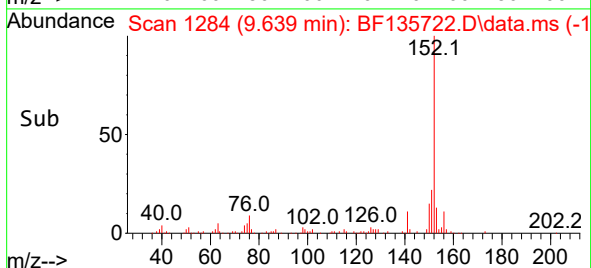
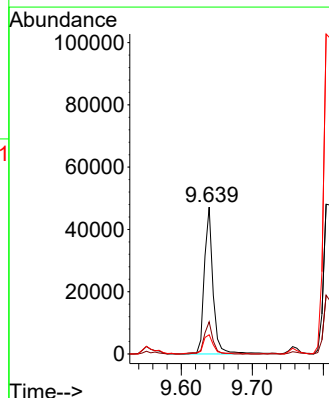
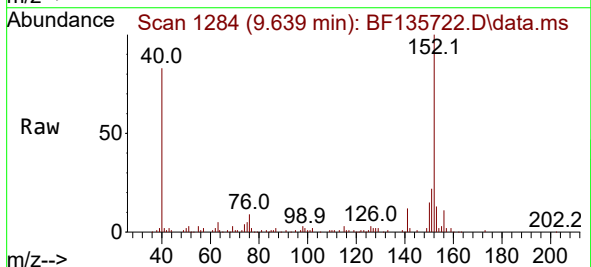
Tgt Ion:152 Resp: 40540

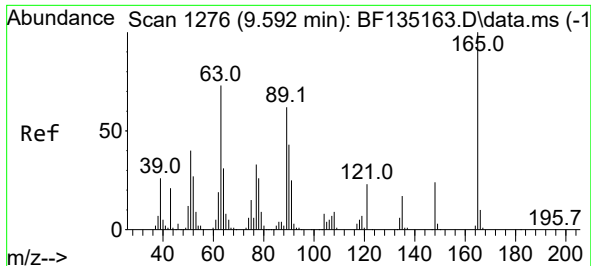
Ion Ratio Lower Upper

152 100

151 21.9 16.4 24.6

153 13.0 10.4 15.6

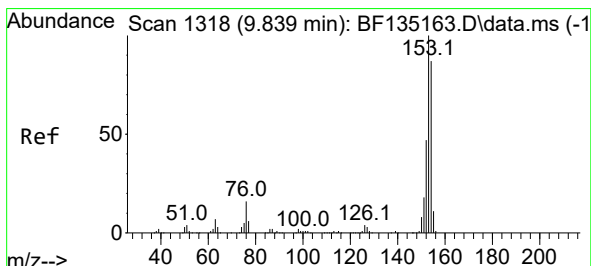
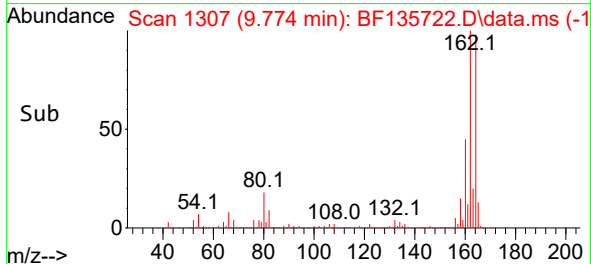
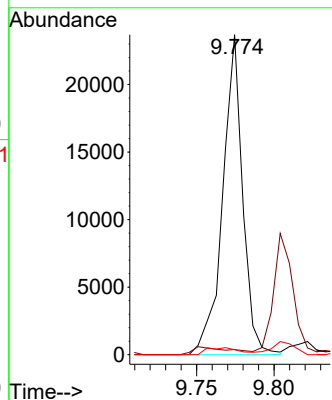
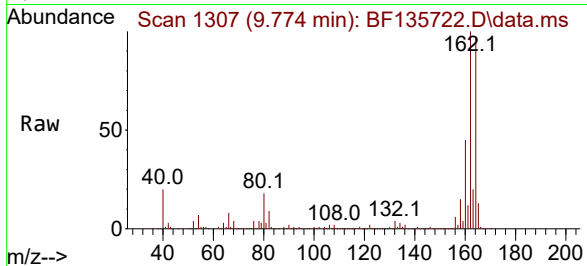




#51
2,6-Dinitrotoluene
Concen: 9.804 ng
RT: 9.774 min Scan# 11
Delta R.T. 0.194 min
Lab File: BF135722.D
Acq: 11 Oct 2023 19:47

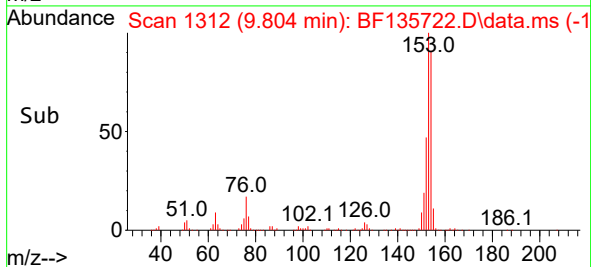
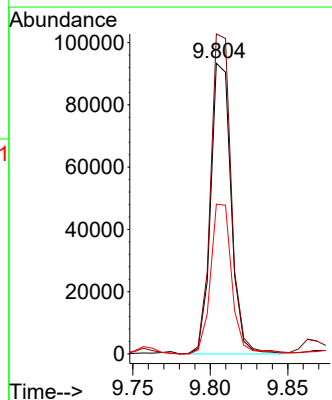
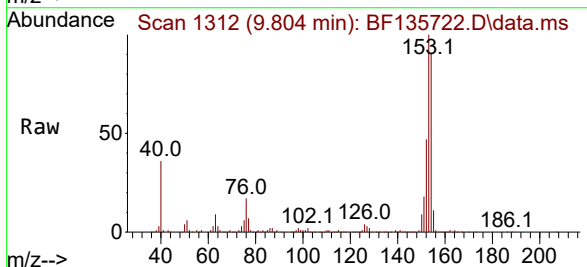
Instrument :
BNA_F
ClientSampleId :
SU-03-100623

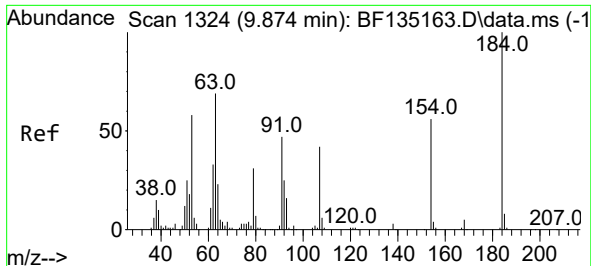
Tgt Ion:165 Resp: 21153
Ion Ratio Lower Upper
165 100
63 1.6 59.4 89.2#
89 1.6 49.8 74.8#



#52
Acenaphthene
Concen: 10.688 ng
RT: 9.804 min Scan# 1312
Delta R.T. -0.012 min
Lab File: BF135722.D
Acq: 11 Oct 2023 19:47

Tgt Ion:154 Resp: 85229
Ion Ratio Lower Upper
154 100
153 110.1 92.1 138.1
152 51.5 43.1 64.7





#54

2,4-Dinitrophenol

Concen: 6.385 ng

RT: 10.139 min Scan# 1

Delta R.T. 0.265 min

Lab File: BF135722.D

Acq: 11 Oct 2023 19:47

Instrument :

BNA_F

ClientSampleId :

SU-03-100623

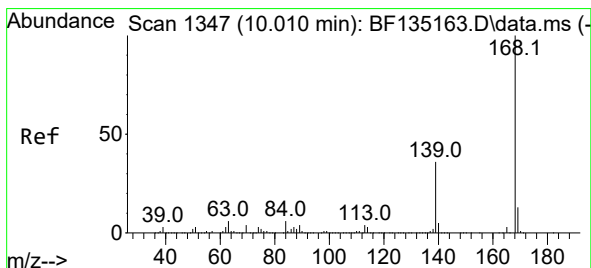
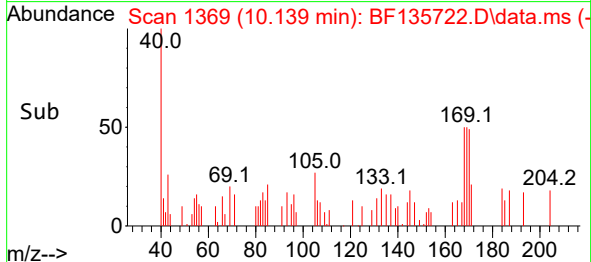
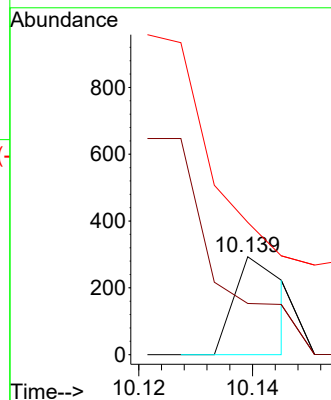
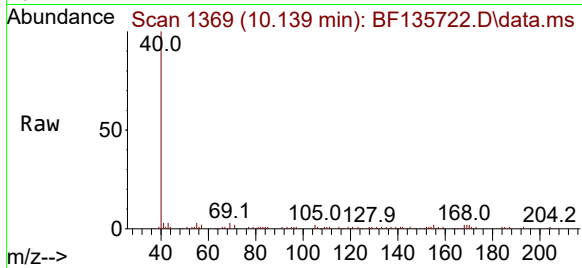
Tgt Ion:184 Resp: 182

Ion Ratio Lower Upper

184 100

63 52.2 55.1 82.7#

154 135.2 48.4 72.6#



#55

Dibenzofuran

Concen: 8.698 ng

RT: 9.980 min Scan# 1342

Delta R.T. -0.006 min

Lab File: BF135722.D

Acq: 11 Oct 2023 19:47

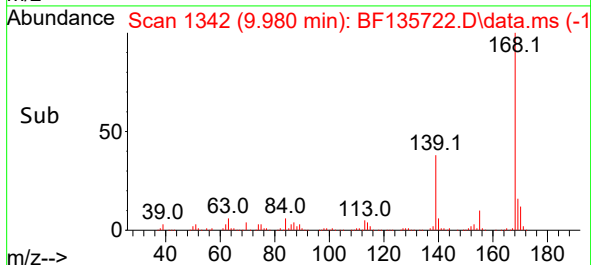
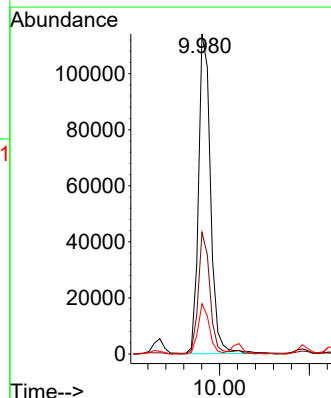
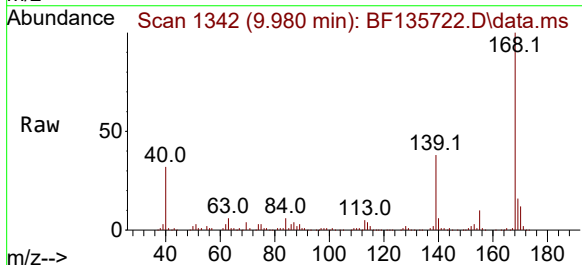
Tgt Ion:168 Resp: 105841

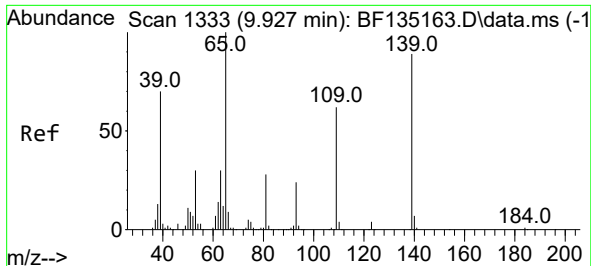
Ion Ratio Lower Upper

168 100

139 38.0 29.0 43.6

169 15.7 10.4 15.6#

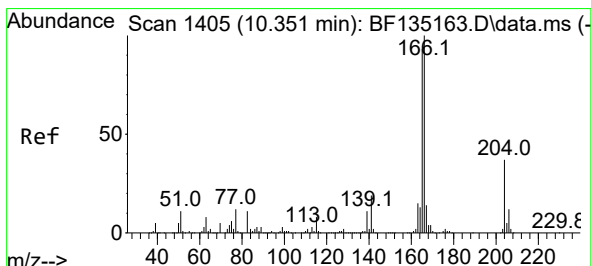
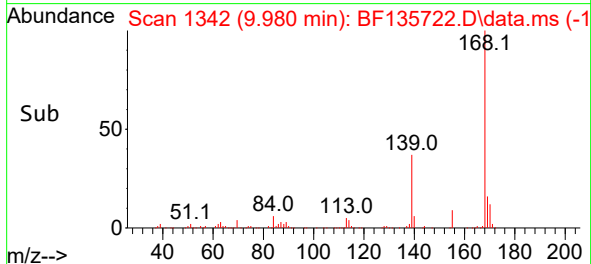
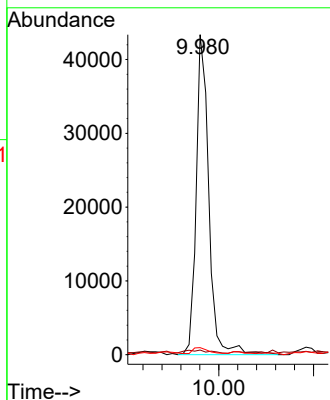
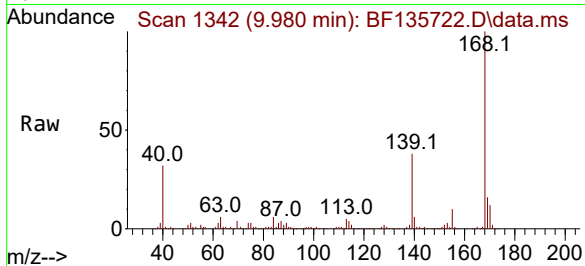




#56
4-Nitrophenol
Concen: 24.934 ng
RT: 9.980 min Scan# 11
Delta R.T. 0.041 min
Lab File: BF135722.D
Acq: 11 Oct 2023 19:47

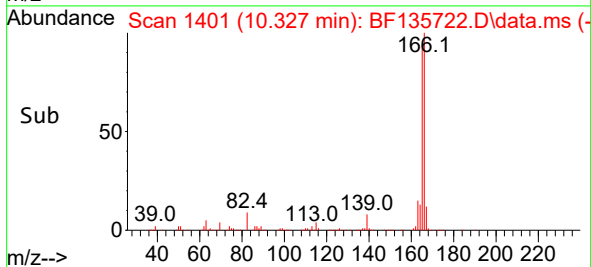
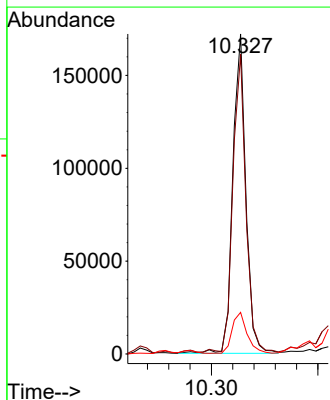
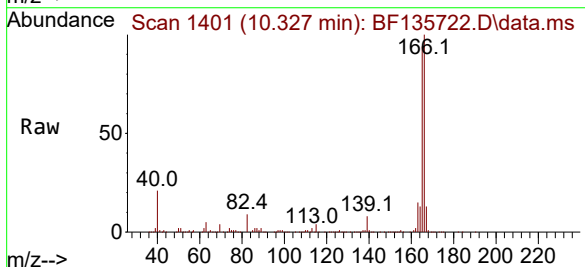
Instrument :
BNA_F
ClientSampleId :
SU-03-100623

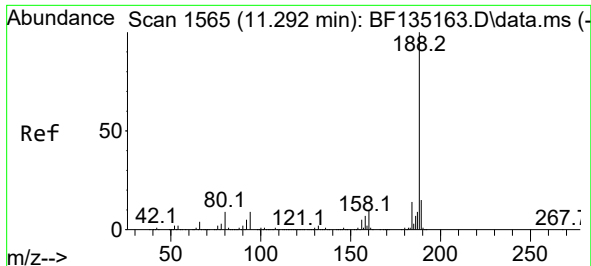
Tgt Ion:139 Resp: 40134
Ion Ratio Lower Upper
139 100
109 1.5 49.8 89.8#
65 2.2 92.7 132.7#



#58
Fluorene
Concen: 15.673 ng
RT: 10.327 min Scan# 1401
Delta R.T. -0.006 min
Lab File: BF135722.D
Acq: 11 Oct 2023 19:47

Tgt Ion:166 Resp: 146617
Ion Ratio Lower Upper
166 100
165 93.6 74.3 111.5
167 13.0 10.9 16.3

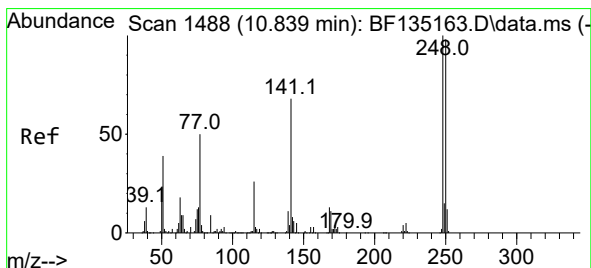
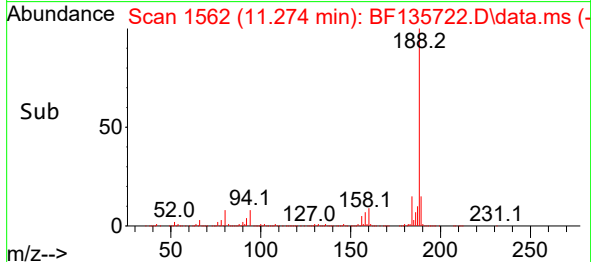
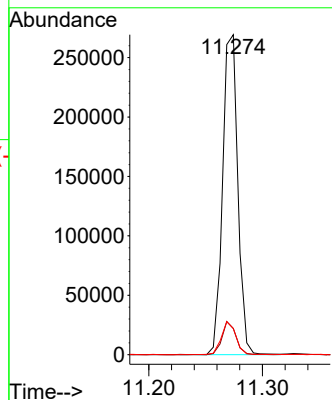
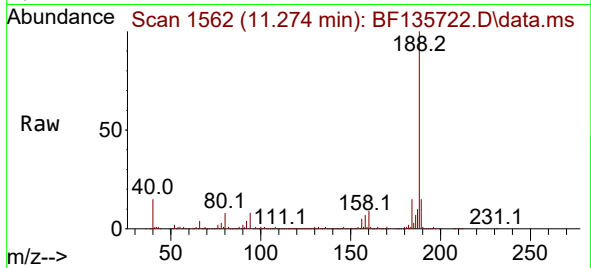




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.274 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF135722.D
Acq: 11 Oct 2023 19:47

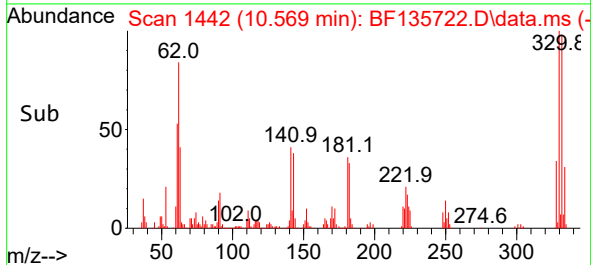
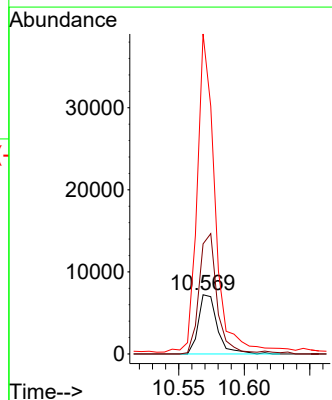
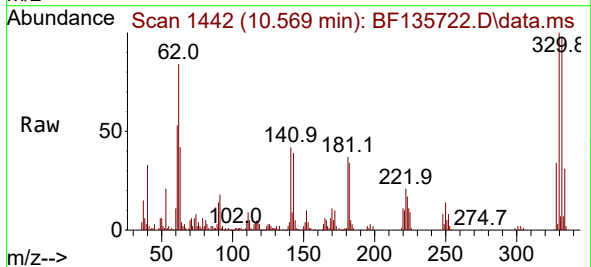
Instrument :
BNA_F
ClientSampleId :
SU-03-100623

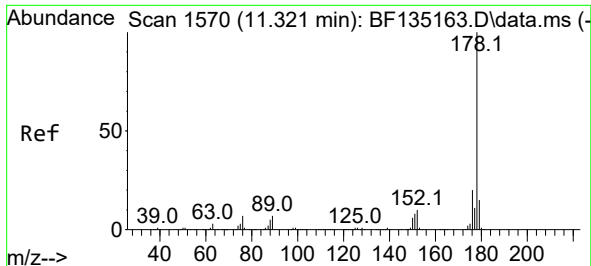
Tgt Ion:188 Resp: 251543
Ion Ratio Lower Upper
188 100
94 8.2 7.0 10.6
80 8.1 7.5 11.3



#67
4-Bromophenyl-phenylether
Concen: 2.893 ng
RT: 10.569 min Scan# 1442
Delta R.T. -0.247 min
Lab File: BF135722.D
Acq: 11 Oct 2023 19:47

Tgt Ion:248 Resp: 7238
Ion Ratio Lower Upper
248 100
250 185.9 78.6 117.8#
141 540.1 54.2 81.2#

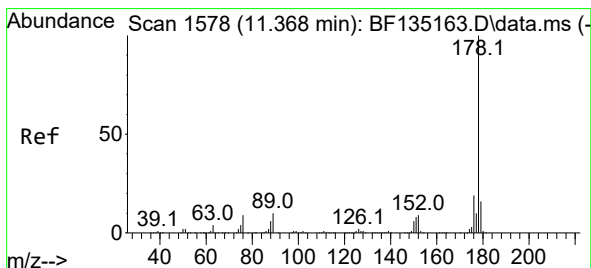
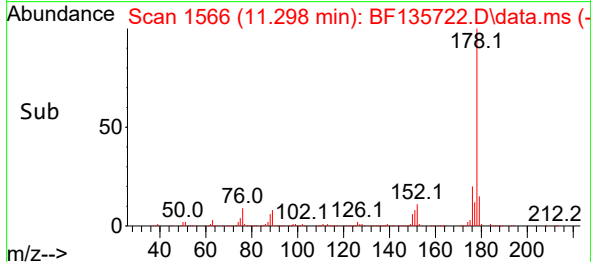
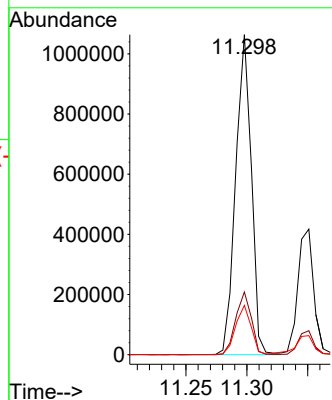
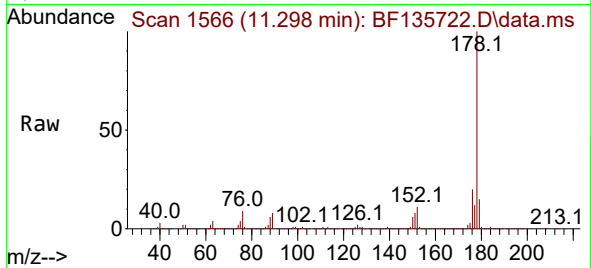




#71
Phenanthrene
Concen: 79.713 ng
RT: 11.298 min Scan# 1566
Delta R.T. -0.000 min
Lab File: BF135722.D
Acq: 11 Oct 2023 19:47

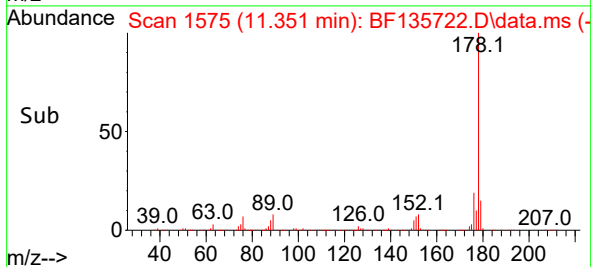
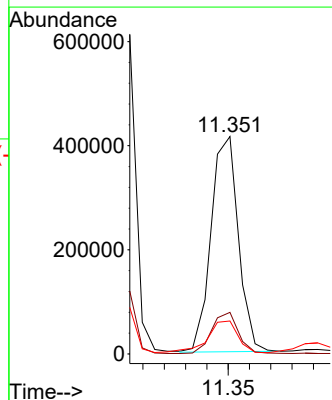
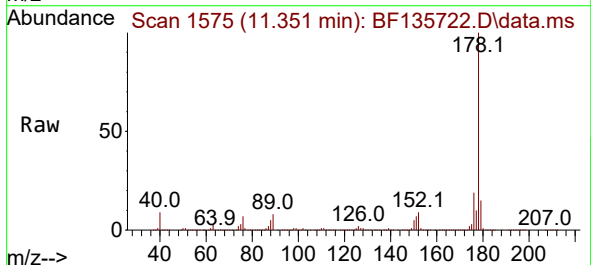
Instrument :
BNA_F
ClientSampleId :
SU-03-100623

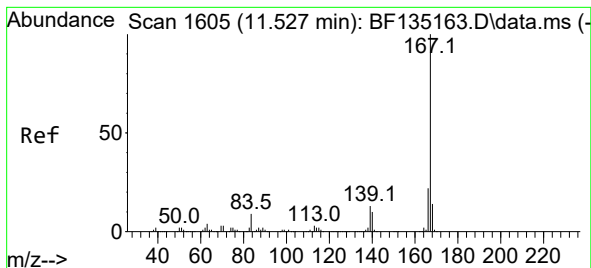
Tgt Ion:178 Resp: 948337
Ion Ratio Lower Upper
178 100
176 19.6 15.6 23.4
179 15.4 12.0 18.0



#72
Anthracene
Concen: 30.226 ng
RT: 11.351 min Scan# 1575
Delta R.T. -0.000 min
Lab File: BF135722.D
Acq: 11 Oct 2023 19:47

Tgt Ion:178 Resp: 369631
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.2
179 15.1 12.6 19.0





#73

Carbazole

Concen: 6.244 ng

RT: 11.516 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF135722.D

Acq: 11 Oct 2023 19:47

Instrument :

BNA_F

ClientSampleId :

SU-03-100623

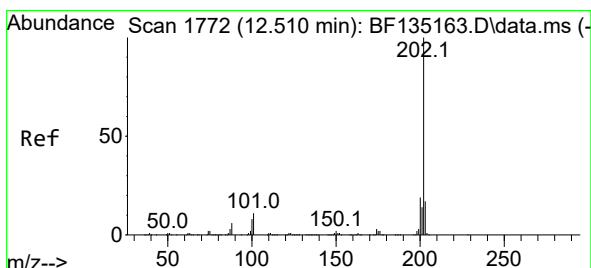
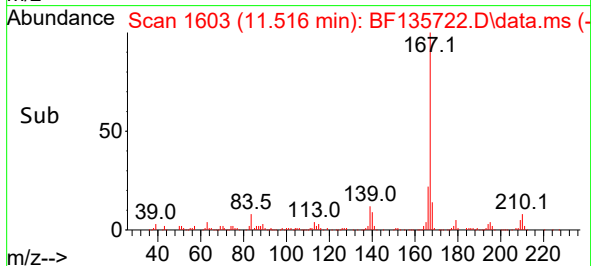
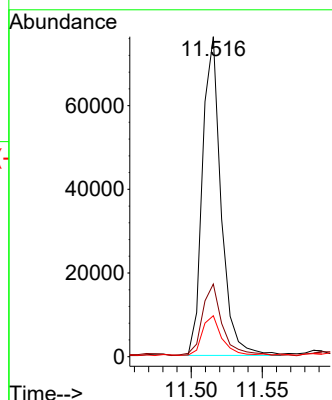
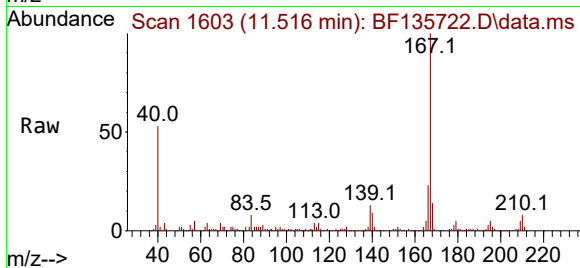
Tgt Ion:167 Resp: 69508

Ion Ratio Lower Upper

167 100

166 22.7 17.4 26.0

139 12.8 10.6 15.8



#75

Fluoranthene

Concen: 124.713 ng

RT: 12.504 min Scan# 1771

Delta R.T. 0.006 min

Lab File: BF135722.D

Acq: 11 Oct 2023 19:47

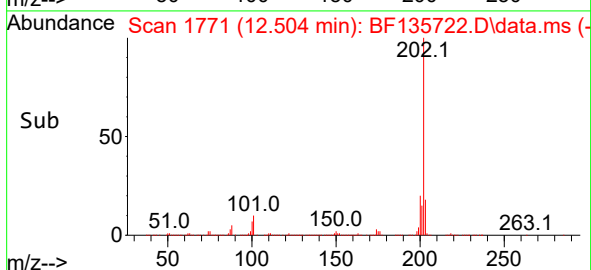
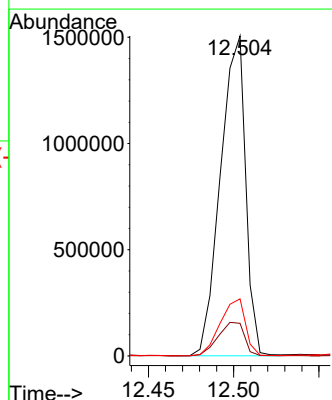
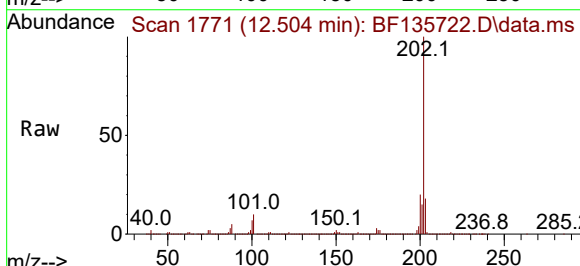
Tgt Ion:202 Resp: 1545998

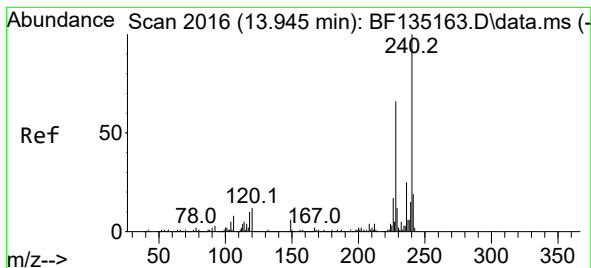
Ion Ratio Lower Upper

202 100

101 10.2 0.0 31.3

203 17.9 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.939 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF135722.D

Acq: 11 Oct 2023 19:47

Instrument :

BNA_F

ClientSampleId :

SU-03-100623

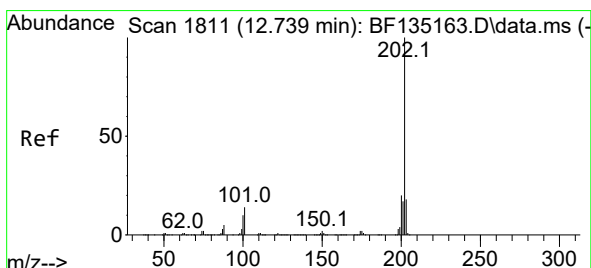
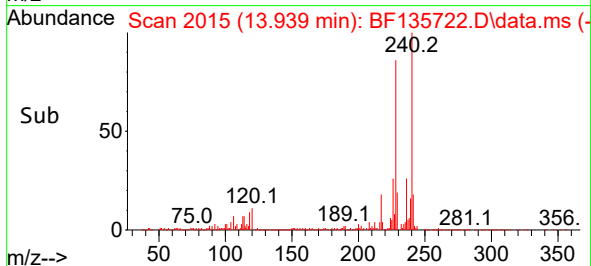
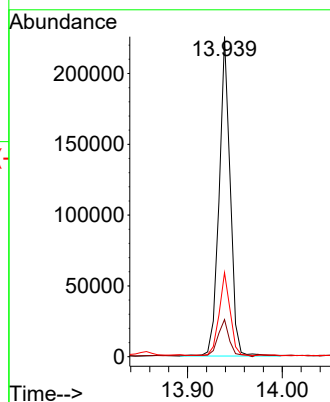
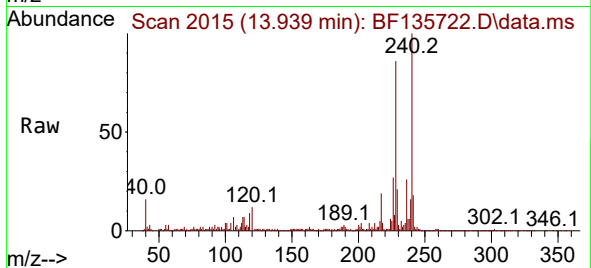
Tgt Ion:240 Resp: 184688

Ion Ratio Lower Upper

240 100

120 11.6 9.4 14.2

236 26.3 19.8 29.8



#78

Pyrene

Concen: 81.261 ng

RT: 12.733 min Scan# 1810

Delta R.T. 0.006 min

Lab File: BF135722.D

Acq: 11 Oct 2023 19:47

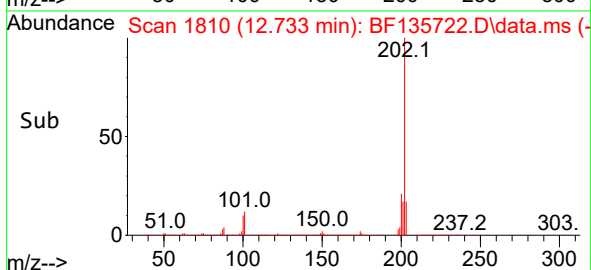
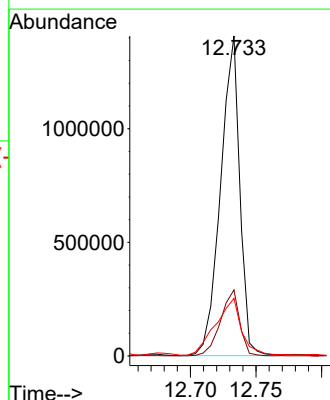
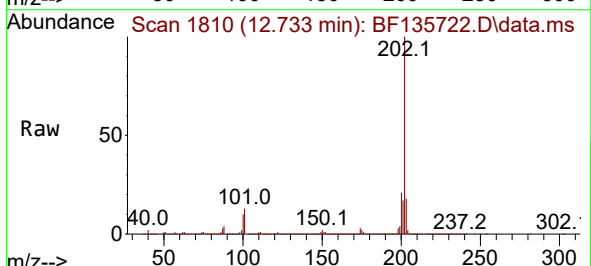
Tgt Ion:202 Resp: 1428861

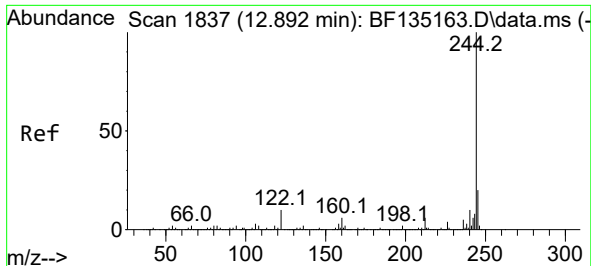
Ion Ratio Lower Upper

202 100

200 20.6 16.2 24.2

203 18.0 14.2 21.4

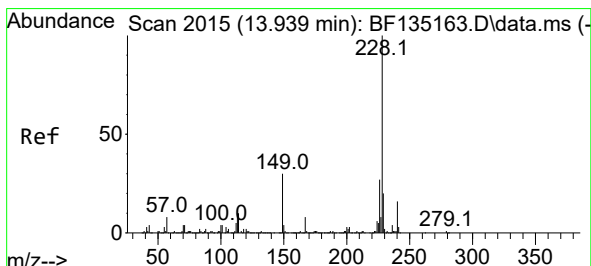
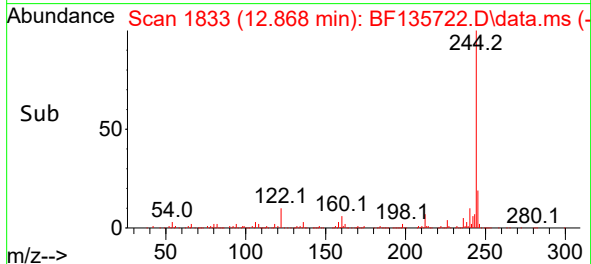
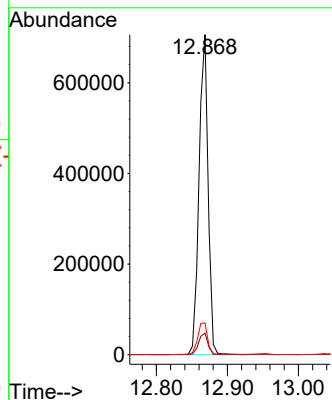
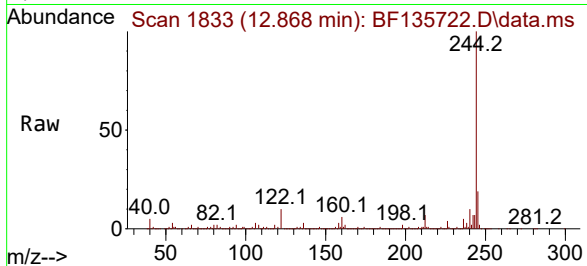




#79
 Terphenyl-d14
 Concen: 52.628 ng
 RT: 12.868 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF135722.D
 Acq: 11 Oct 2023 19:47

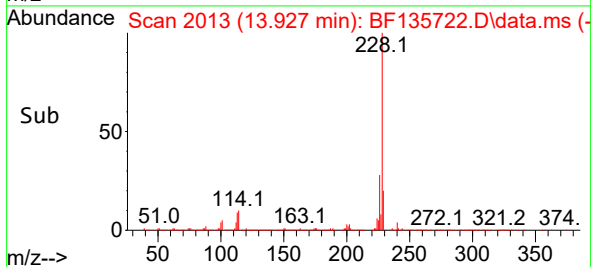
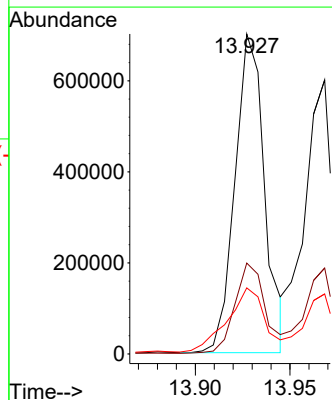
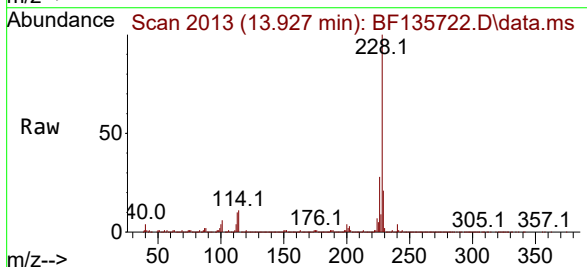
Instrument :
 BNA_F
 ClientSampleId :
 SU-03-100623

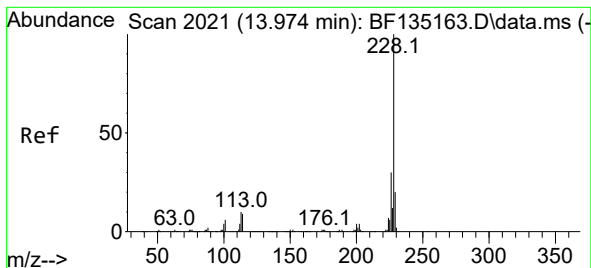
Tgt Ion:244 Resp: 627006
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.1 7.7
 122 9.9 7.9 11.9



#81
 Benzo(a)anthracene
 Concen: 63.955 ng
 RT: 13.927 min Scan# 2013
 Delta R.T. -0.000 min
 Lab File: BF135722.D
 Acq: 11 Oct 2023 19:47

Tgt Ion:228 Resp: 762709
 Ion Ratio Lower Upper
 228 100
 226 28.4 21.7 32.5
 229 20.7 15.8 23.8





#83

Chrysene

Concen: 51.800 ng

RT: 13.968 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF135722.D

Acq: 11 Oct 2023 19:47

Instrument :

BNA_F

ClientSampleId :

SU-03-100623

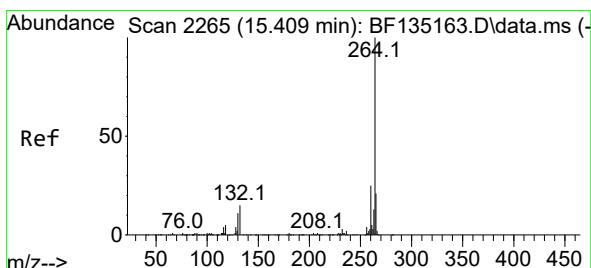
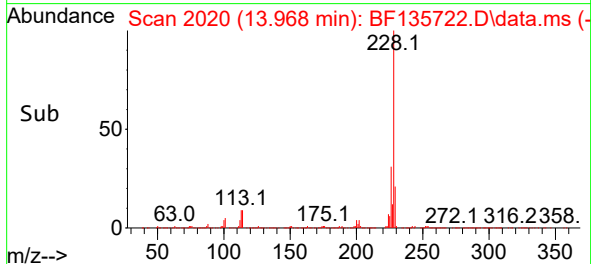
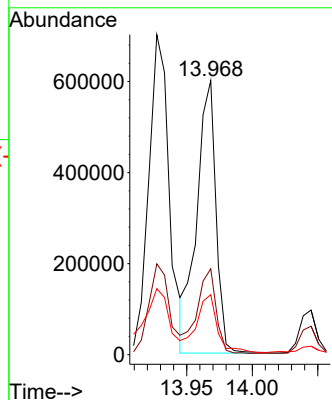
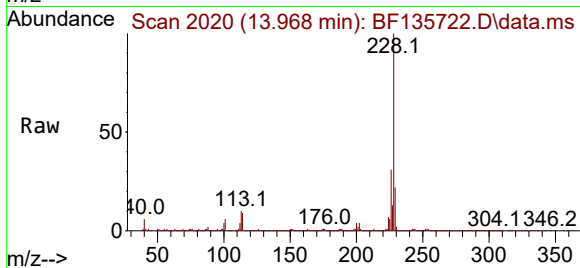
Tgt Ion:228 Resp: 614192

Ion Ratio Lower Upper

228 100

226 31.3 24.3 36.5

229 21.9 16.0 24.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.409 min Scan# 2265

Delta R.T. 0.006 min

Lab File: BF135722.D

Acq: 11 Oct 2023 19:47

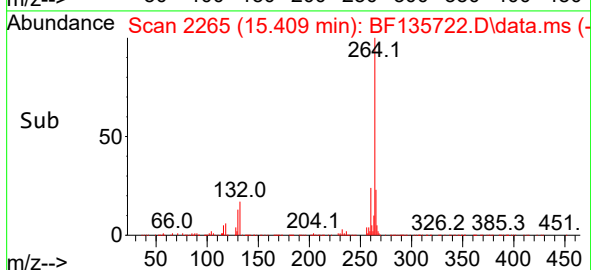
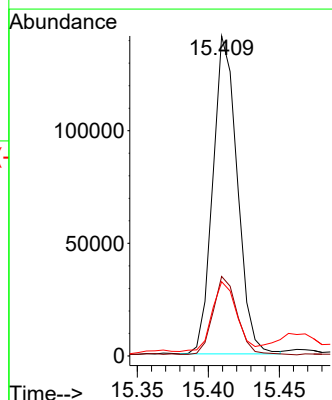
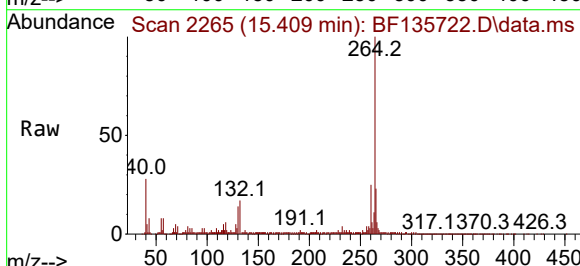
Tgt Ion:264 Resp: 168717

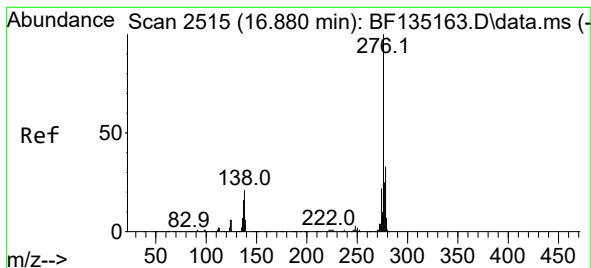
Ion Ratio Lower Upper

264 100

260 24.8 19.8 29.6

265 23.2 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 22.813 ng

RT: 16.909 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF135722.D

Acq: 11 Oct 2023 19:47

Instrument :

BNA_F

ClientSampleId :

SU-03-100623

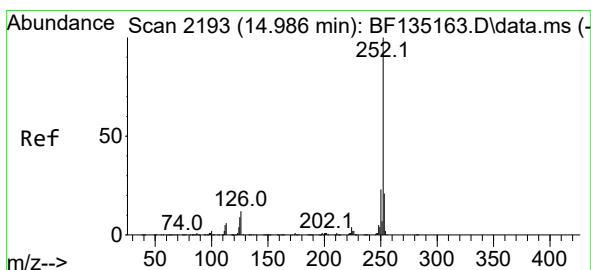
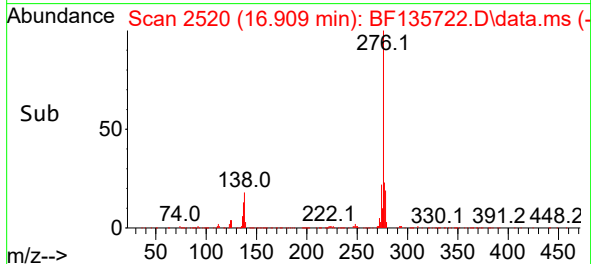
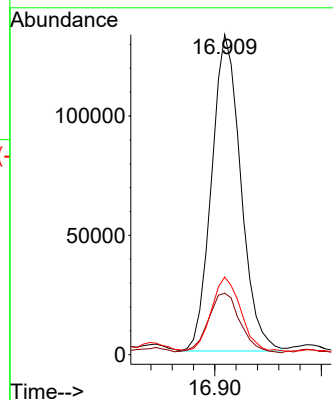
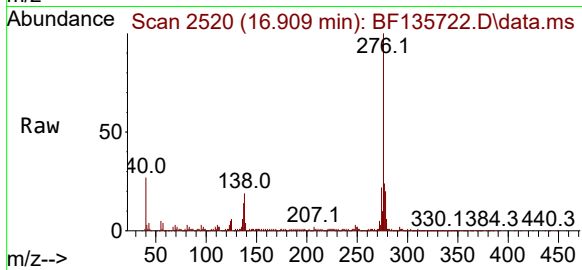
Tgt Ion:276 Resp: 252357

Ion Ratio Lower Upper

276 100

138 20.7 19.2 28.8

277 24.1 19.7 29.5



#88

Benzo(b)fluoranthene

Concen: 94.271 ng

RT: 14.986 min Scan# 2193

Delta R.T. 0.006 min

Lab File: BF135722.D

Acq: 11 Oct 2023 19:47

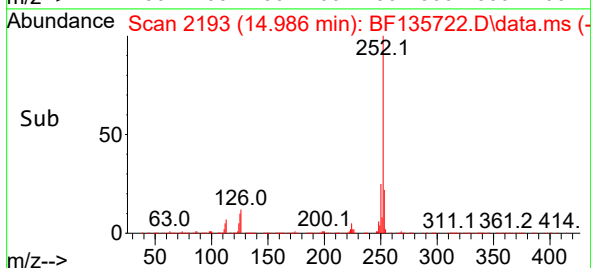
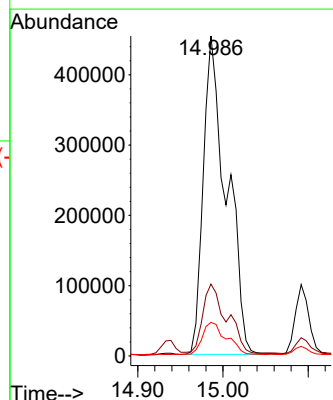
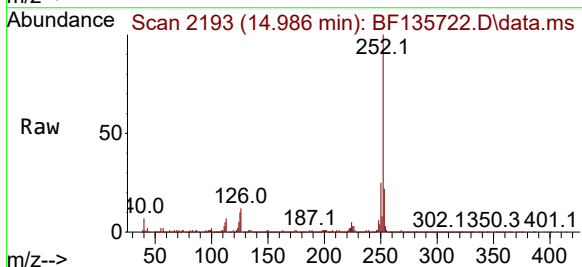
Tgt Ion:252 Resp: 861003

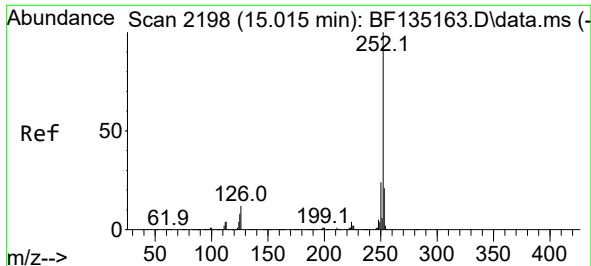
Ion Ratio Lower Upper

252 100

253 22.5 17.2 25.8

125 10.5 7.1 10.7

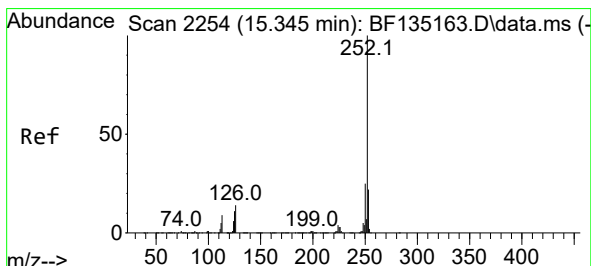
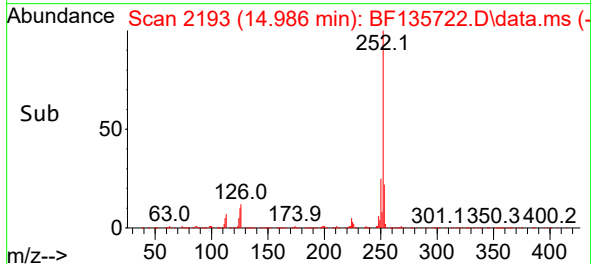
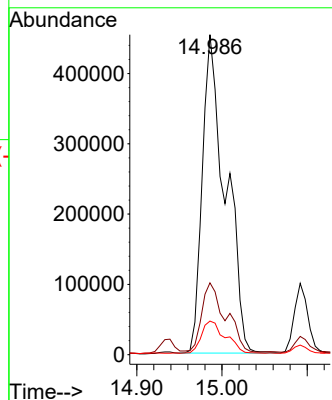
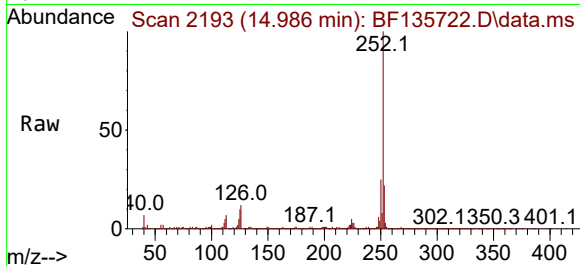




#89
Benzo(k)fluoranthene
Concen: 95.433 ng
RT: 14.986 min Scan# 2198
Delta R.T. -0.018 min
Lab File: BF135722.D
Acq: 11 Oct 2023 19:47

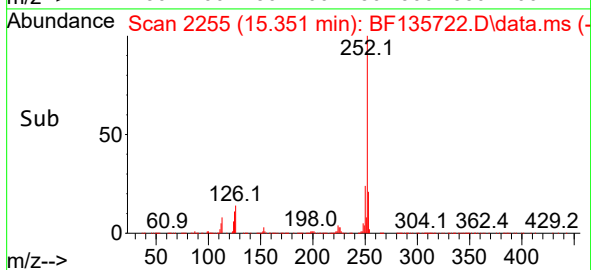
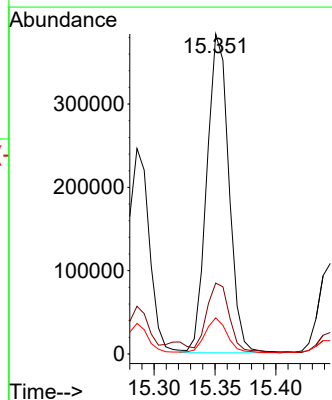
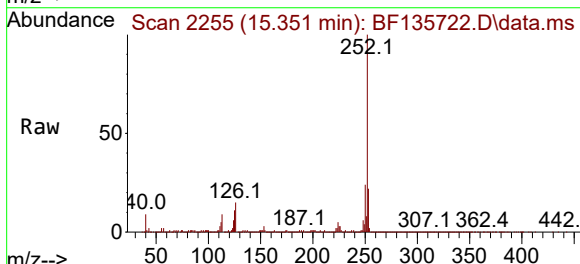
Instrument :
BNA_F
ClientSampleId :
SU-03-100623

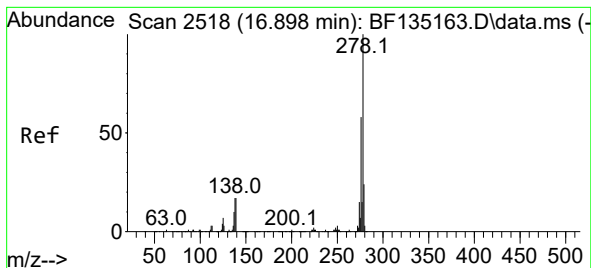
Tgt Ion:252 Resp: 861003
Ion Ratio Lower Upper
252 100
253 22.5 17.4 26.0
125 10.5 7.2 10.8



#90
Benzo(a)pyrene
Concen: 55.337 ng
RT: 15.351 min Scan# 2255
Delta R.T. 0.006 min
Lab File: BF135722.D
Acq: 11 Oct 2023 19:47

Tgt Ion:252 Resp: 481976
Ion Ratio Lower Upper
252 100
253 22.2 17.5 26.3
125 11.3 9.2 13.8





#91

Dibenzo(a,h)anthracene

Concen: 6.095 ng

RT: 17.086 min Scan# 2550

Delta R.T. 0.176 min

Lab File: BF135722.D

Acq: 11 Oct 2023 19:47

Instrument :

BNA_F

ClientSampleId :

SU-03-100623

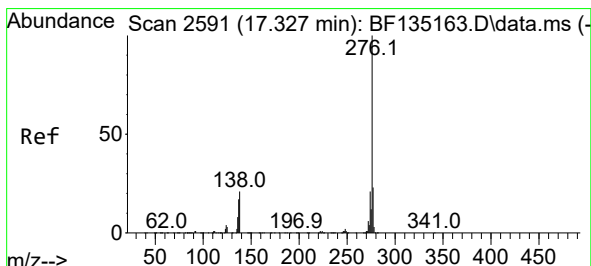
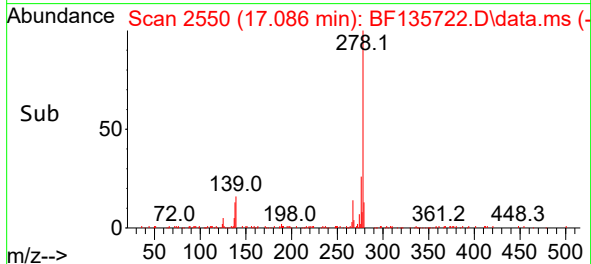
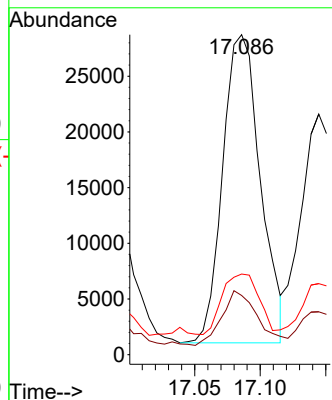
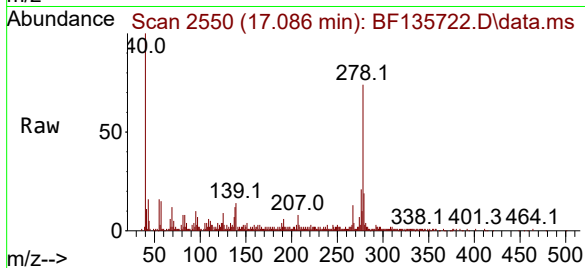
Tgt Ion:278 Resp: 55163

Ion Ratio Lower Upper

278 100

139 18.5 13.4 20.0

279 25.2 19.0 28.6



#92

Benzo(g,h,i)perylene

Concen: 23.607 ng

RT: 17.362 min Scan# 2597

Delta R.T. 0.012 min

Lab File: BF135722.D

Acq: 11 Oct 2023 19:47

Tgt Ion:276 Resp: 223156

Ion Ratio Lower Upper

276 100

277 24.8 18.8 28.2

138 20.8 16.9 25.3

