

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061522\
 Data File : BF128826.D
 Acq On : 15 Jun 2022 15:04
 Operator : CG\JU
 Sample : N3337-01DL2 20X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-061322DL2

Quant Time: Jun 15 15:35:52 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 14 14:53:53 2022
 Response via : Initial Calibration

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

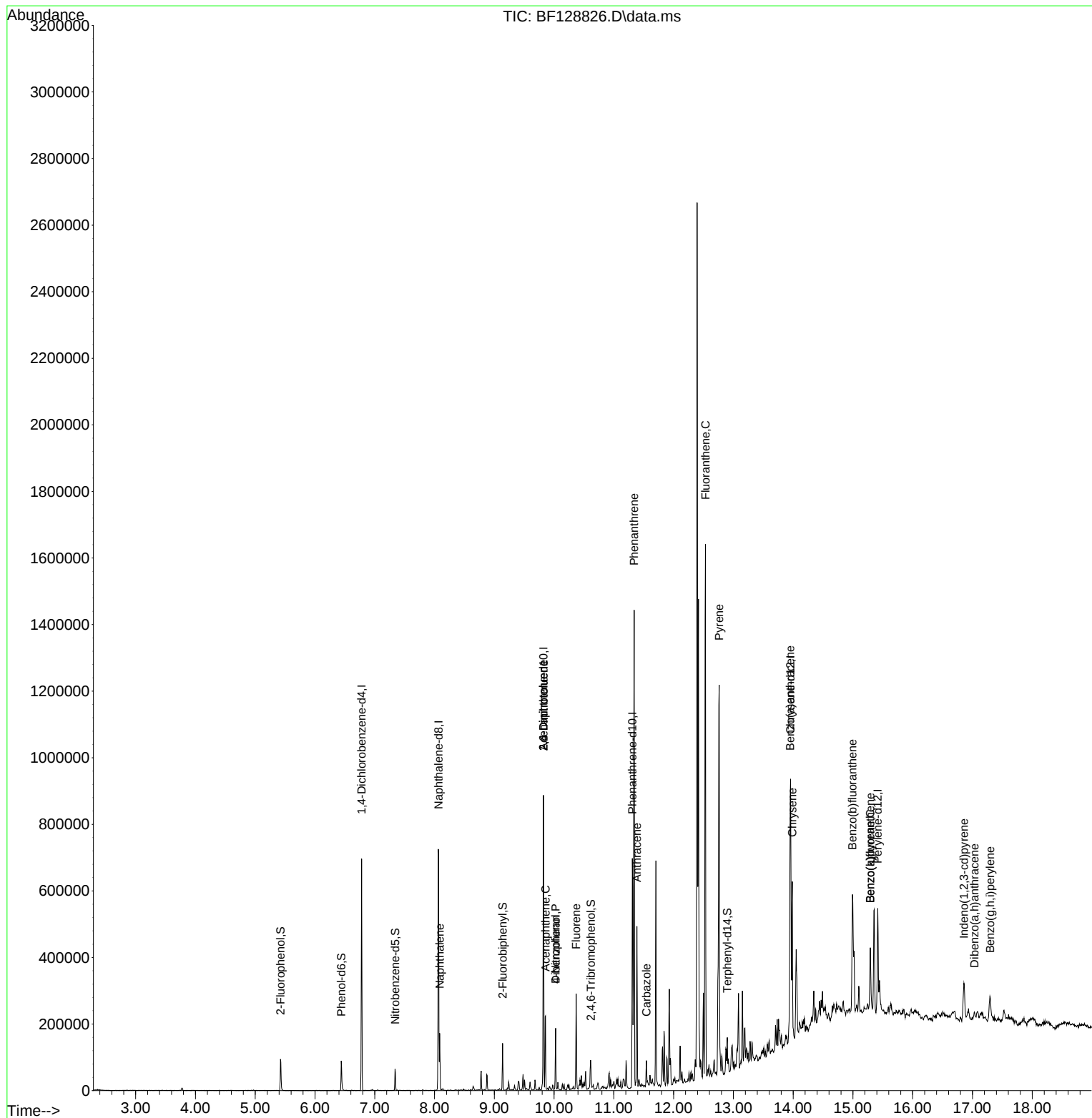
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	86581	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	314659	20.000	ng	# 0.00
39) Acenaphthene-d10	9.822	164	158161	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	260502	20.000	ng	0.00
76) Chrysene-d12	13.957	240	177021	20.000	ng	# 0.00
86) Perylene-d12	15.415	264	135558	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	24320	4.474	ng	0.00
7) Phenol-d6	6.439	99	27446	4.136	ng	0.00
23) Nitrobenzene-d5	7.339	82	17750	2.626	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	4830	2.585	ng	0.00
45) 2-Fluorobiphenyl	9.139	172	36896	3.268	ng	0.00
79) Terphenyl-d14	12.898	244	31771	3.119	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.086	128	57573	3.565	ng	99
51) 2,6-Dinitrotoluene	9.822	165	21023	9.839	ng	# 26
52) Acenaphthene	9.857	154	47331	5.243	ng	97
55) Dibenzofuran	10.027	168	54689	4.215	ng	98
56) 4-Nitrophenol	10.027	139	21980	13.076	ng	# 9
57) 2,4-Dinitrotoluene	9.822	165	21023	7.373	ng	# 22
58) Fluorene	10.369	166	65845	6.544	ng	96
71) Phenanthrene	11.339	178	487639	37.321	ng	98
72) Anthracene	11.386	178	160557	12.415	ng	97
73) Carbazole	11.545	167	25076	2.088	ng	98
75) Fluoranthene	12.533	202	638324	46.736	ng	95
78) Pyrene	12.763	202	529998	40.242	ng	99
81) Benzo(a)anthracene	13.951	228	235021	21.299	ng	99
83) Chrysene	13.986	228	187908	17.862	ng	97
87) Indeno(1,2,3-cd)pyrene	16.856	276	75318	9.218	ng	# 87
88) Benzo(b)fluoranthene	14.992	252	275444	31.799	ng	# 97
89) Benzo(k)fluoranthene	15.292	252	83756	10.279	ng	99
90) Benzo(a)pyrene	15.292	252	87042	12.785	ng	99
91) Dibenzo(a,h)anthracene	17.033	278	16900	2.494	ng	95
92) Benzo(g,h,i)perylene	17.298	276	68154	10.147	ng	# 89

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

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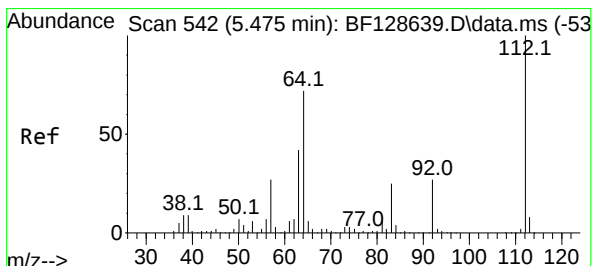
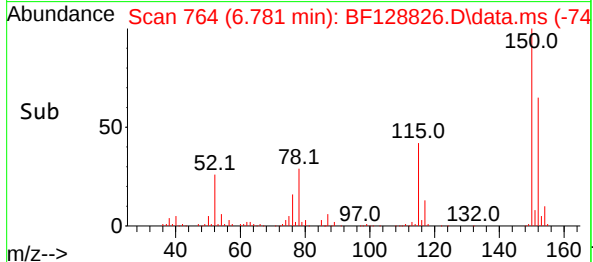
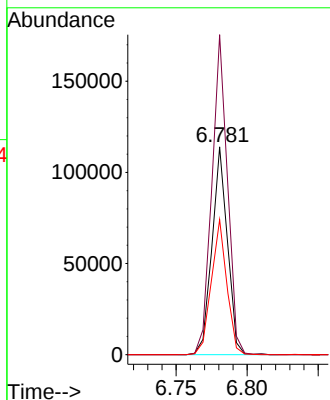
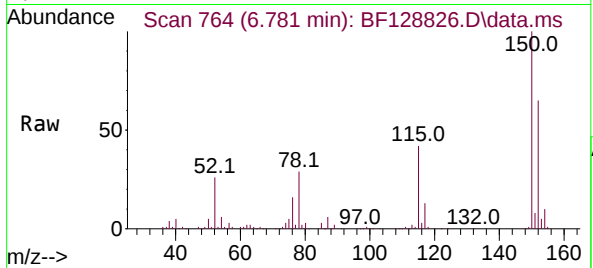




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 772
Delta R.T. -0.000 min
Lab File: BF128826.D
Acq: 15 Jun 2022 15:04

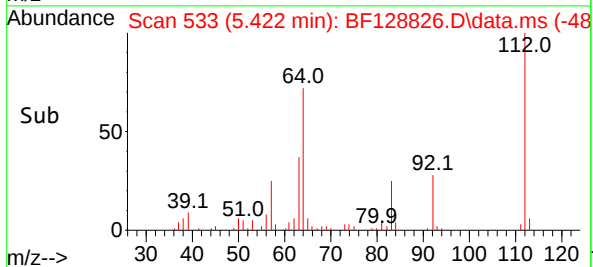
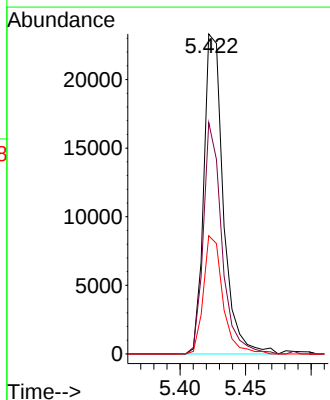
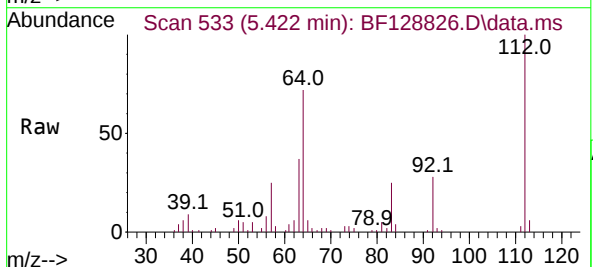
Instrument :
BNA_F
ClientSampleId :
SU-02-061322DL2

Tgt Ion:152 Resp: 86581
Ion Ratio Lower Upper
152 100
150 154.0 123.7 185.5
115 65.0 49.9 74.9



#5
2-Fluorophenol
Concen: 4.474 ng
RT: 5.422 min Scan# 533
Delta R.T. 0.006 min
Lab File: BF128826.D
Acq: 15 Jun 2022 15:04

Tgt Ion:112 Resp: 24320
Ion Ratio Lower Upper
112 100
64 72.3 53.3 79.9
63 37.0 28.0 42.0

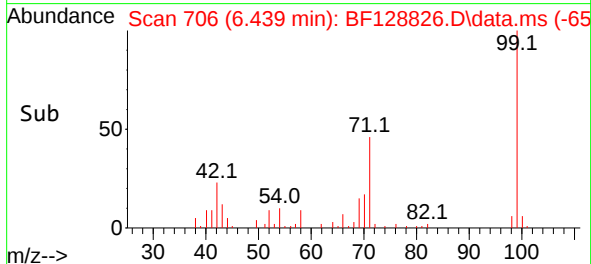
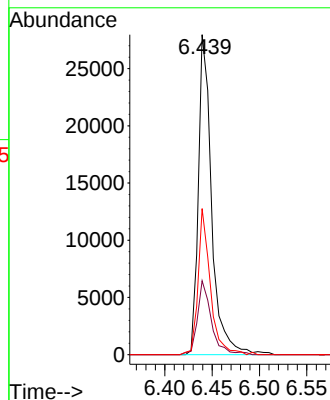
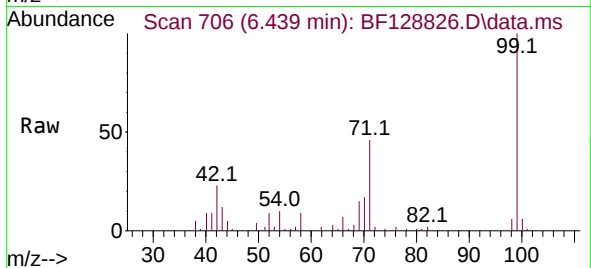




#7
Phenol-d6
Concen: 4.136 ng
RT: 6.439 min Scan# 706
Delta R.T. -0.000 min
Lab File: BF128826.D
Acq: 15 Jun 2022 15:04

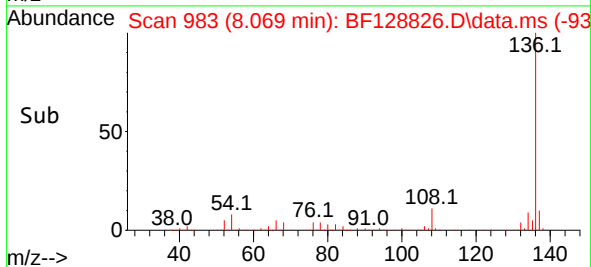
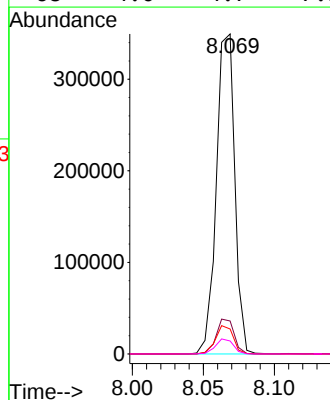
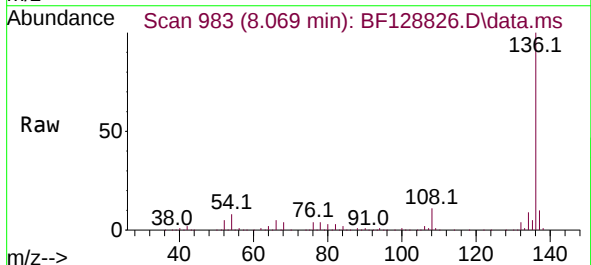
Instrument :
BNA_F
ClientSampleId :
SU-02-061322DL2

Tgt Ion: 99 Resp: 27446
Ion Ratio Lower Upper
99 100
42 23.1 17.3 25.9
71 45.6 28.9 43.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 983
Delta R.T. -0.000 min
Lab File: BF128826.D
Acq: 15 Jun 2022 15:04

Tgt Ion: 136 Resp: 314659
Ion Ratio Lower Upper
136 100
137 10.3 8.8 13.2
54 7.8 7.5 11.3
68 4.0 4.7 7.1#





#23

Nitrobenzene-d5

Concen: 2.626 ng

RT: 7.339 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF128826.D

Acq: 15 Jun 2022 15:04

Instrument :

BNA_F

ClientSampleId :

SU-02-061322DL2

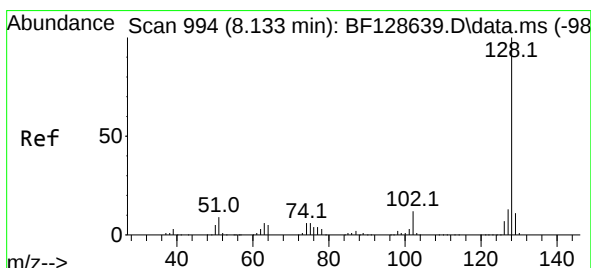
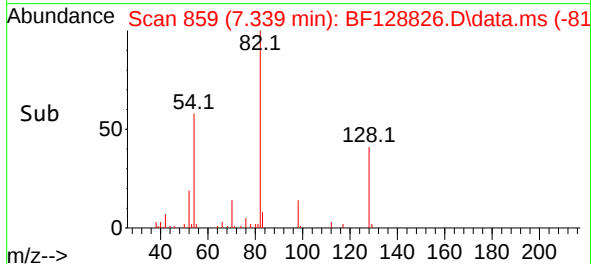
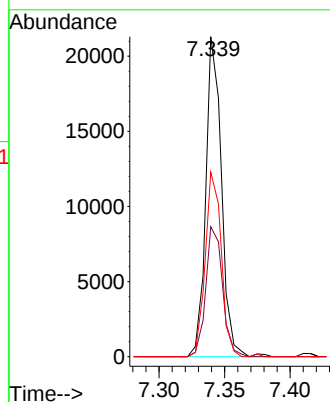
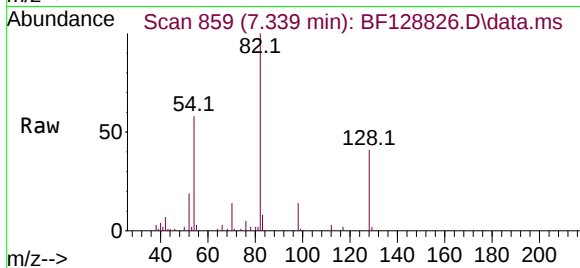
Tgt Ion: 82 Resp: 17750

Ion Ratio Lower Upper

82 100

128 40.6 34.0 51.0

54 57.7 46.9 70.3



#31

Naphthalene

Concen: 3.565 ng

RT: 8.086 min Scan# 986

Delta R.T. -0.006 min

Lab File: BF128826.D

Acq: 15 Jun 2022 15:04

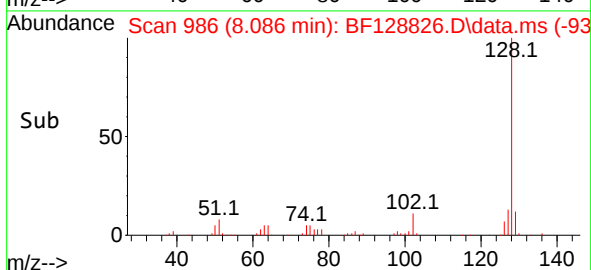
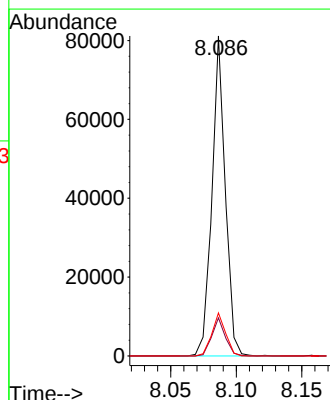
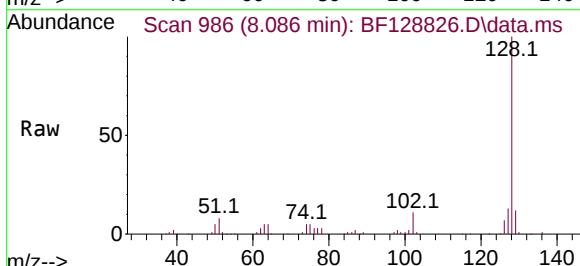
Tgt Ion: 128 Resp: 57573

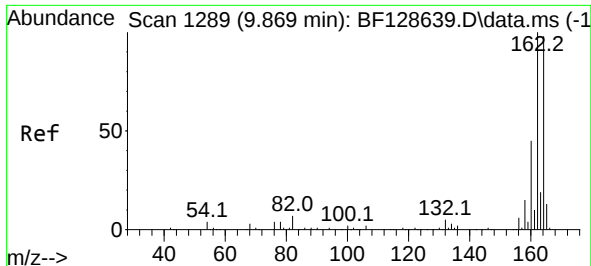
Ion Ratio Lower Upper

128 100

129 11.9 9.2 13.8

127 13.5 10.5 15.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.822 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF128826.D

Acq: 15 Jun 2022 15:04

Instrument :

BNA_F

ClientSampleId :

SU-02-061322DL2

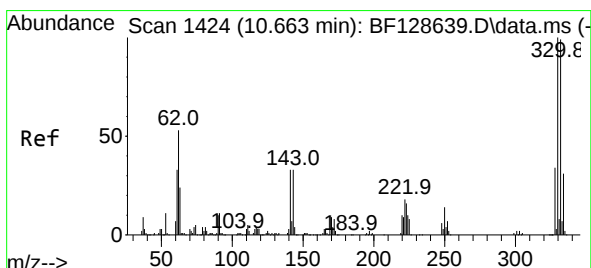
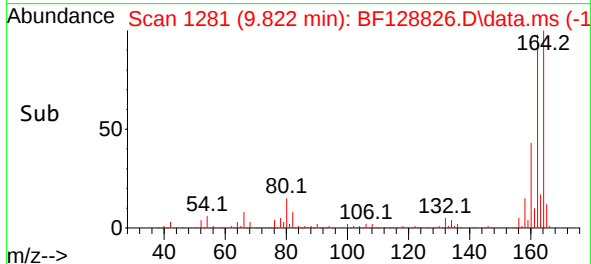
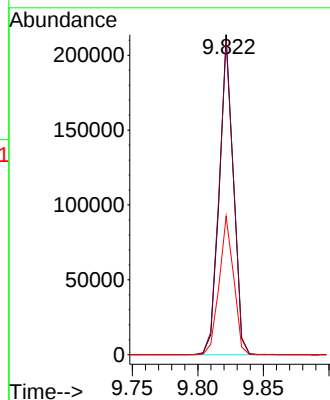
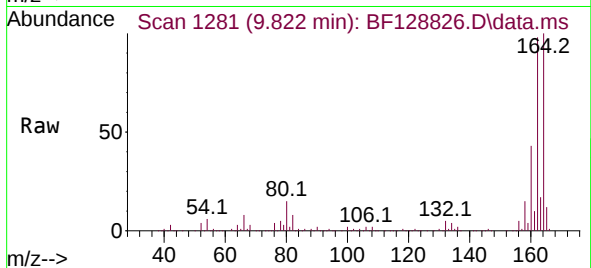
Tgt Ion:164 Resp: 158161

Ion Ratio Lower Upper

164 100

162 98.1 79.5 119.3

160 43.2 34.2 51.4



#42

2,4,6-Tribromophenol

Concen: 2.585 ng

RT: 10.616 min Scan# 1416

Delta R.T. -0.006 min

Lab File: BF128826.D

Acq: 15 Jun 2022 15:04

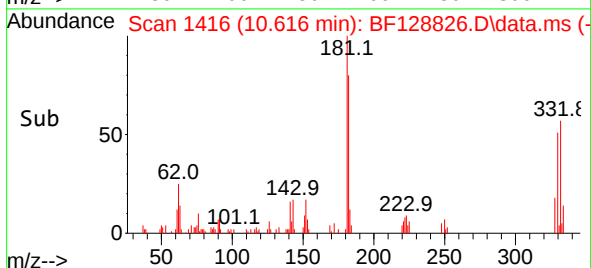
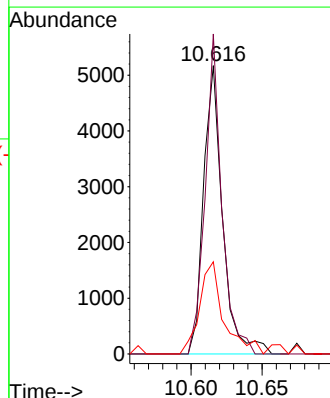
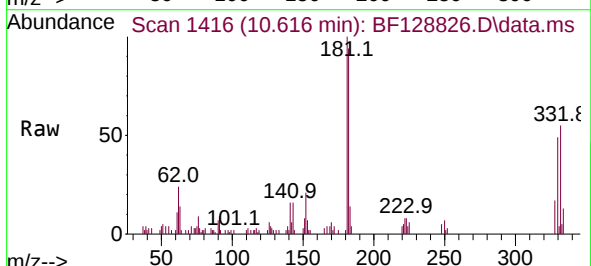
Tgt Ion:330 Resp: 4830

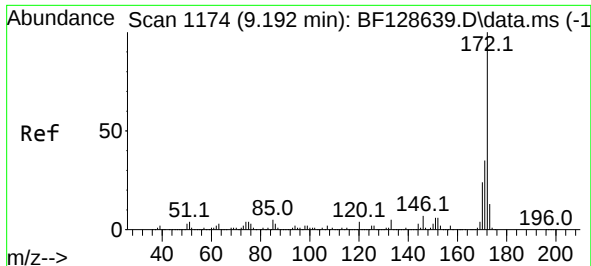
Ion Ratio Lower Upper

330 100

332 97.5 76.8 115.2

141 40.4 28.0 42.0





#45

2-Fluorobiphenyl

Concen: 3.268 ng

RT: 9.139 min Scan# 1165

Delta R.T. -0.006 min

Lab File: BF128826.D

Acq: 15 Jun 2022 15:04

Instrument :

BNA_F

ClientSampleId :

SU-02-061322DL2

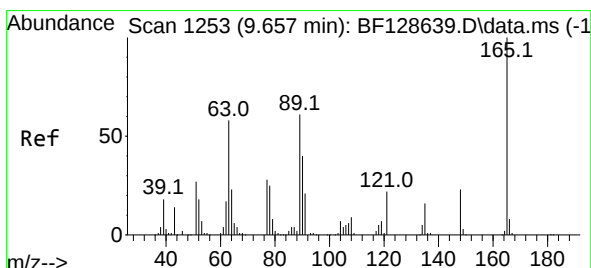
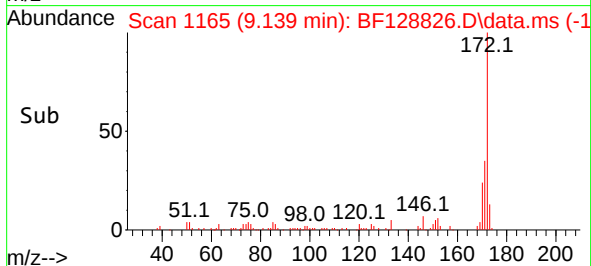
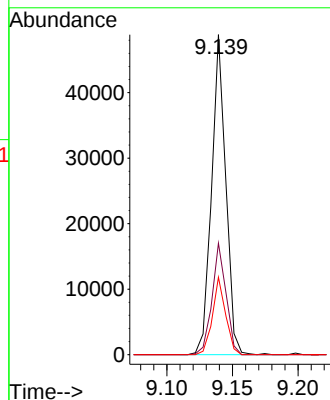
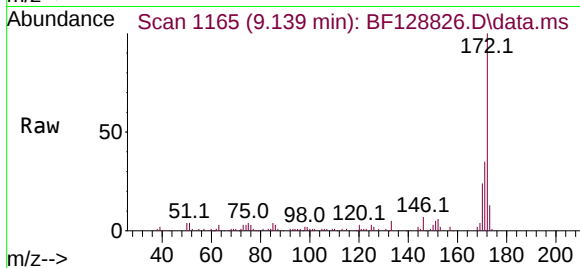
Tgt Ion:172 Resp: 36896

Ion Ratio Lower Upper

172 100

171 34.9 28.8 43.2

170 24.2 19.8 29.8



#51

2,6-Dinitrotoluene

Concen: 9.839 ng

RT: 9.822 min Scan# 1281

Delta R.T. 0.206 min

Lab File: BF128826.D

Acq: 15 Jun 2022 15:04

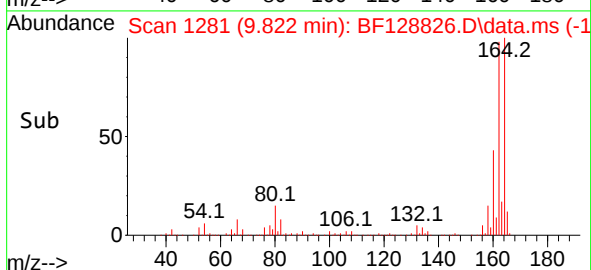
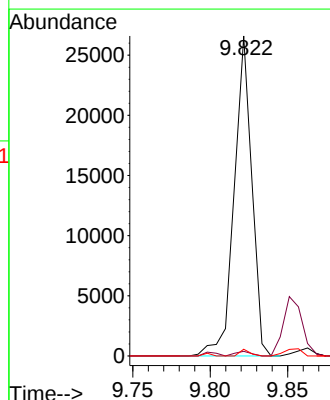
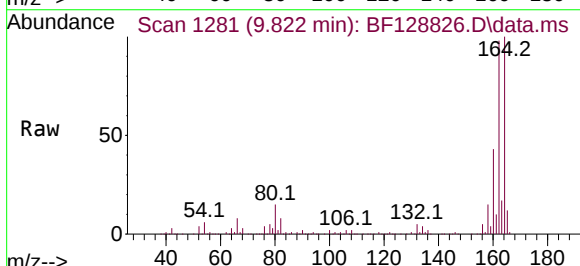
Tgt Ion:165 Resp: 21023

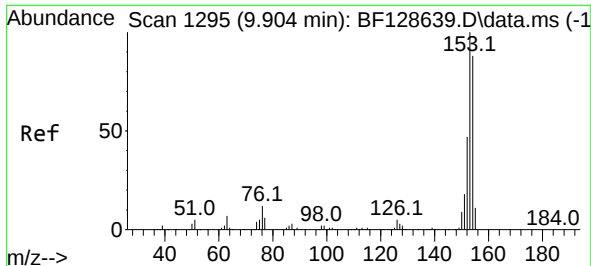
Ion Ratio Lower Upper

165 100

63 1.4 44.9 67.3#

89 2.1 43.6 65.4#

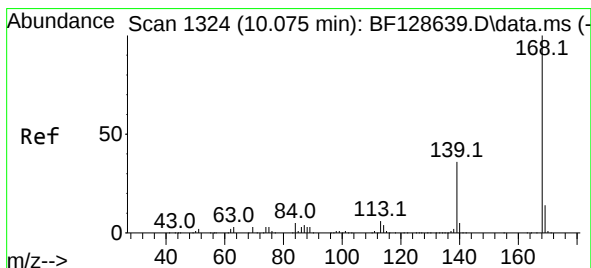
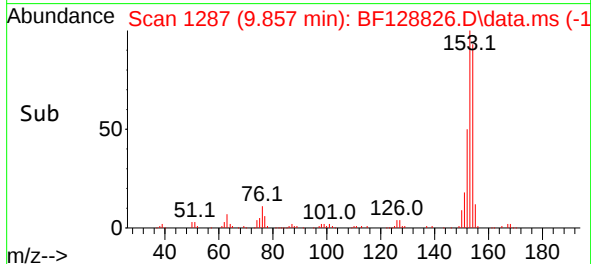
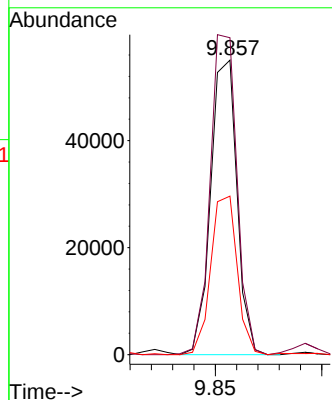
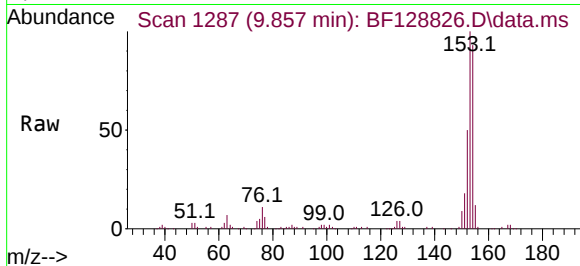




#52
Acenaphthene
Concen: 5.243 ng
RT: 9.857 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128826.D
Acq: 15 Jun 2022 15:04

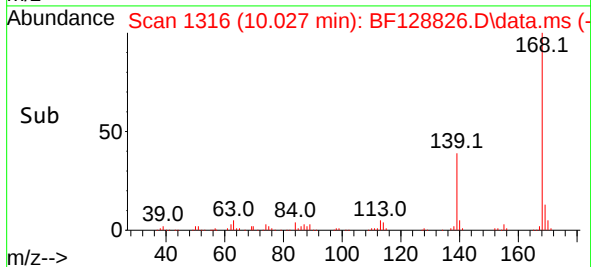
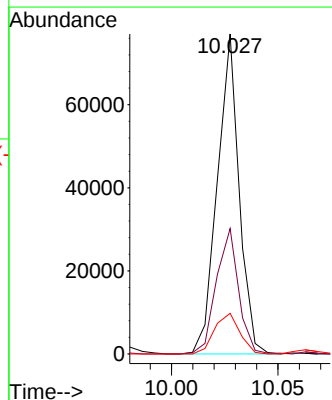
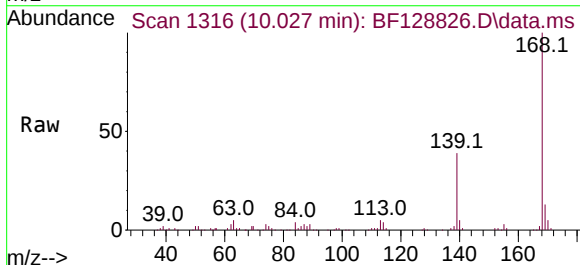
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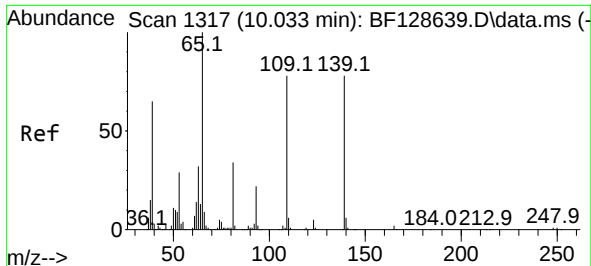
Tgt Ion:154 Resp: 47331
Ion Ratio Lower Upper
154 100
153 107.6 89.6 134.4
152 53.8 42.4 63.6



#55
Dibenzofuran
Concen: 4.215 ng
RT: 10.027 min Scan# 1316
Delta R.T. -0.006 min
Lab File: BF128826.D
Acq: 15 Jun 2022 15:04

Tgt Ion:168 Resp: 54689
Ion Ratio Lower Upper
168 100
139 39.2 30.6 46.0
169 12.7 11.0 16.6

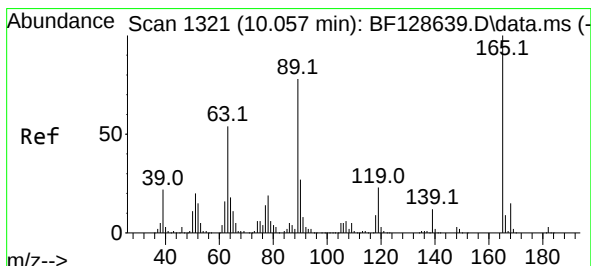
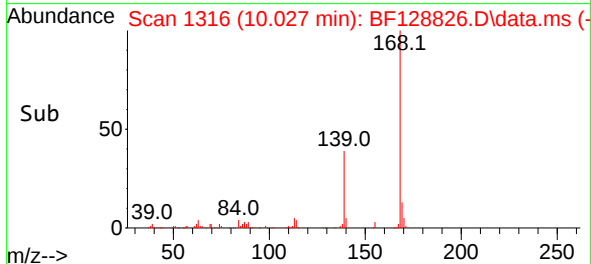
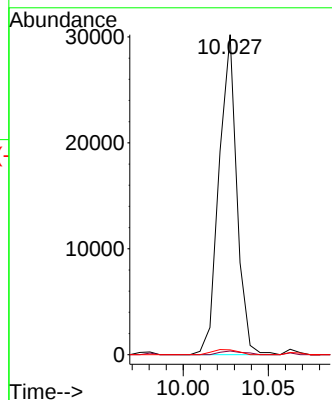
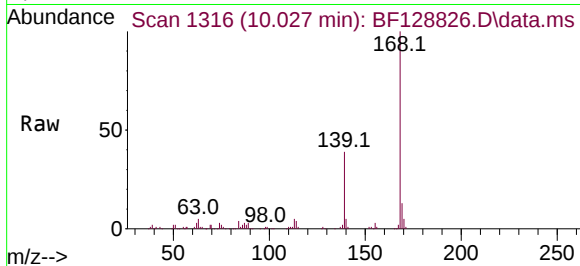




#56
4-Nitrophenol
Concen: 13.076 ng
RT: 10.027 min Scan# 11
Delta R.T. 0.047 min
Lab File: BF128826.D
Acq: 15 Jun 2022 15:04

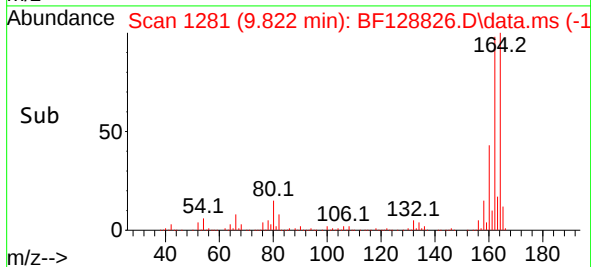
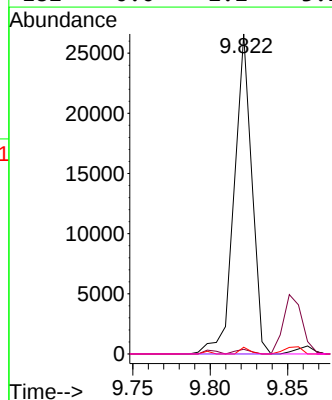
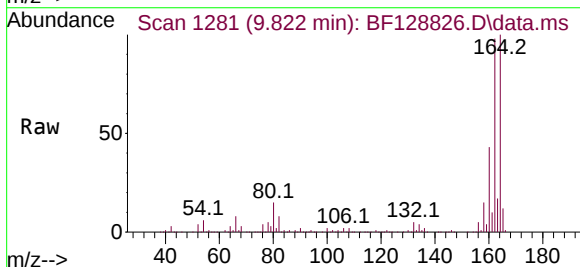
Instrument :
BNA_F
ClientSampleId :
SU-02-061322DL2

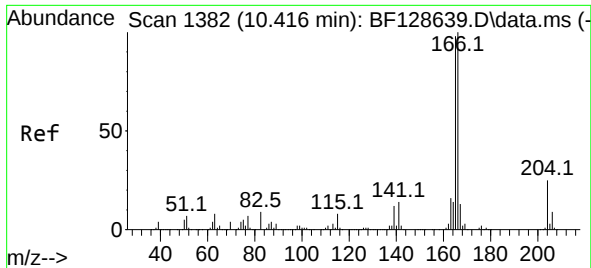
Tgt Ion:139 Resp: 21980
Ion Ratio Lower Upper
139 100
109 1.2 50.7 90.7#
65 1.5 74.5 114.5#



#57
2,4-Dinitrotoluene
Concen: 7.373 ng
RT: 9.822 min Scan# 1281
Delta R.T. -0.200 min
Lab File: BF128826.D
Acq: 15 Jun 2022 15:04

Tgt Ion:165 Resp: 21023
Ion Ratio Lower Upper
165 100
63 1.4 39.8 59.6#
89 2.1 60.2 90.2#
182 0.0 2.2 3.2#

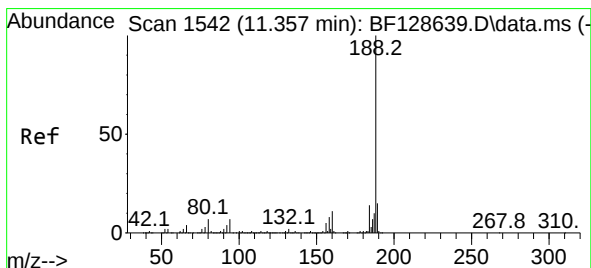
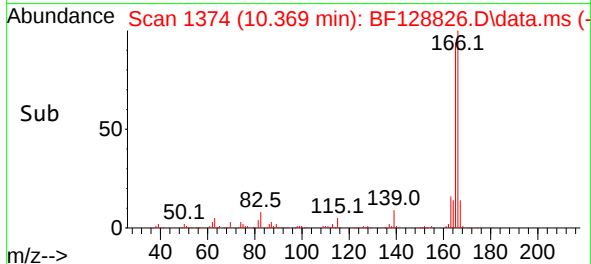
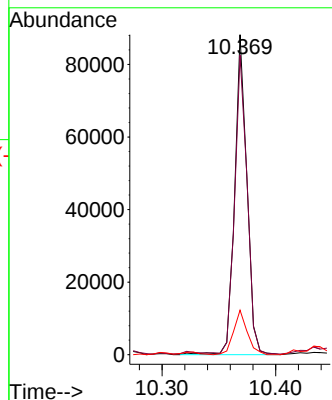
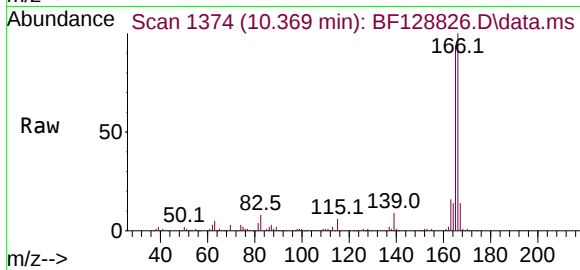




#58
Fluorene
Concen: 6.544 ng
RT: 10.369 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128826.D
Acq: 15 Jun 2022 15:04

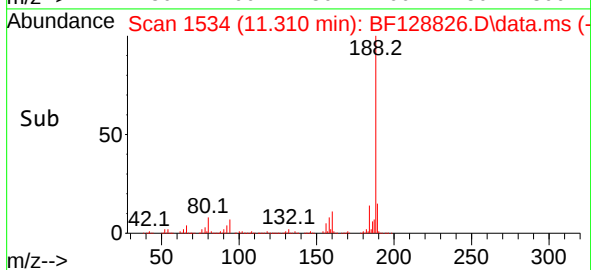
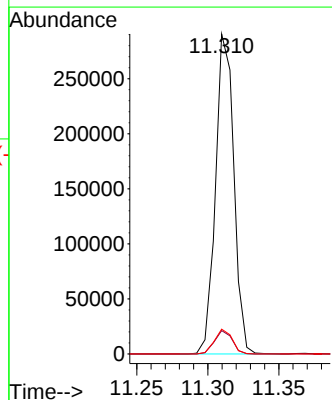
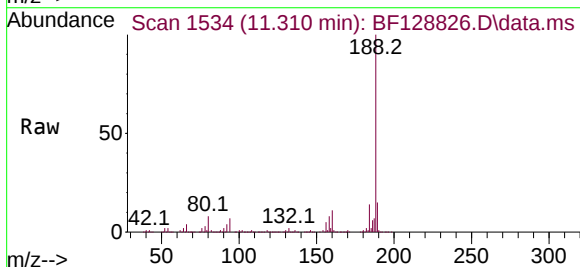
Instrument :
BNA_F
ClientSampleId :
SU-02-061322DL2

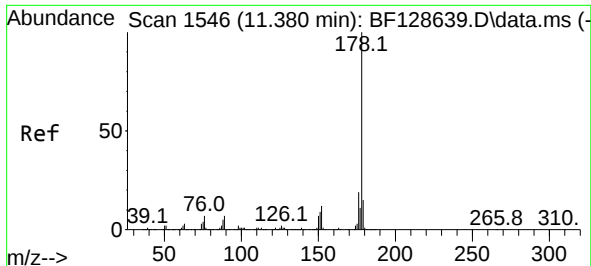
Tgt Ion:166 Resp: 65845
Ion Ratio Lower Upper
166 100
165 93.6 78.1 117.1
167 13.9 10.5 15.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1534
Delta R.T. -0.006 min
Lab File: BF128826.D
Acq: 15 Jun 2022 15:04

Tgt Ion:188 Resp: 260502
Ion Ratio Lower Upper
188 100
94 7.3 7.0 10.6
80 7.8 7.6 11.4

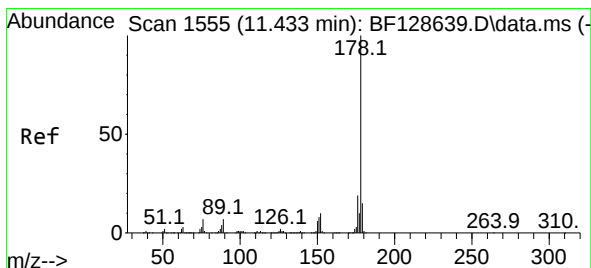
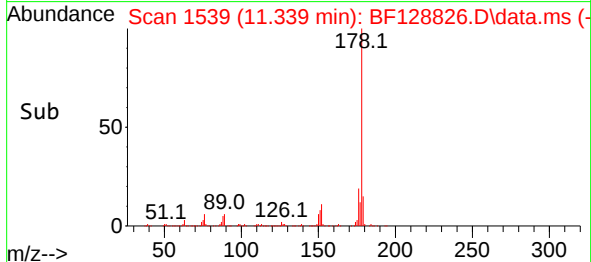
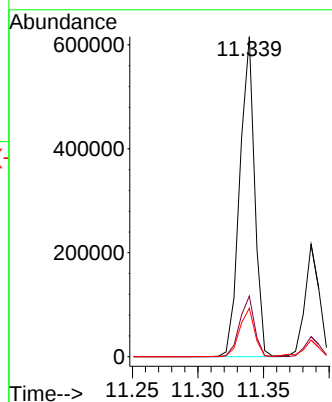
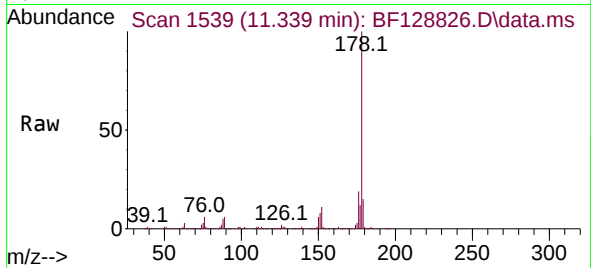




#71
Phenanthrene
Concen: 37.321 ng
RT: 11.339 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF128826.D
Acq: 15 Jun 2022 15:04

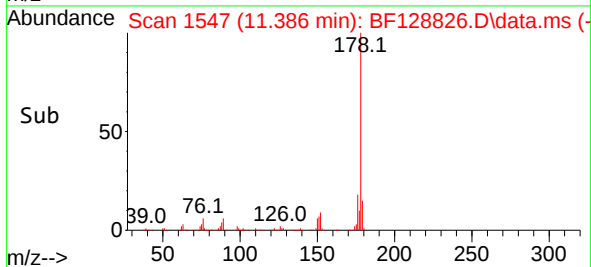
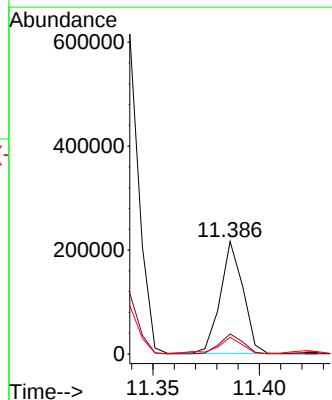
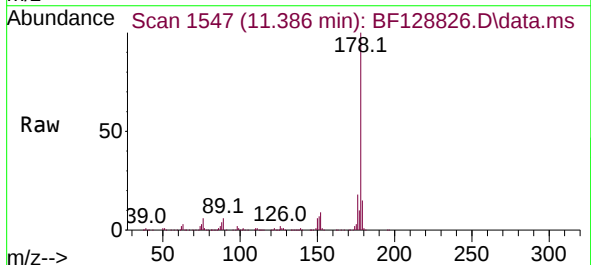
Instrument :
BNA_F
ClientSampleId :
SU-02-061322DL2

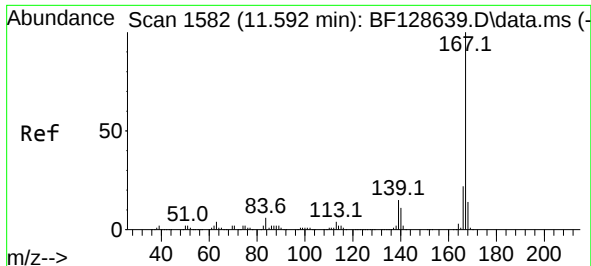
Tgt Ion:178 Resp: 487639
Ion Ratio Lower Upper
178 100
176 18.9 16.0 24.0
179 15.2 12.6 19.0



#72
Anthracene
Concen: 12.415 ng
RT: 11.386 min Scan# 1547
Delta R.T. -0.006 min
Lab File: BF128826.D
Acq: 15 Jun 2022 15:04

Tgt Ion:178 Resp: 160557
Ion Ratio Lower Upper
178 100
176 17.8 15.4 23.2
179 14.8 12.6 19.0

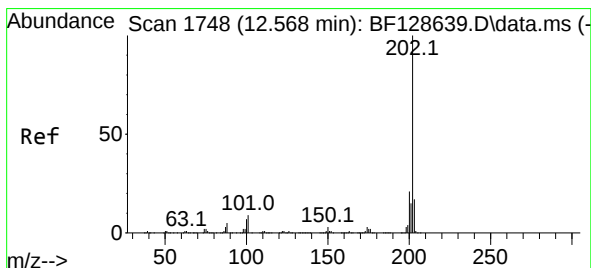
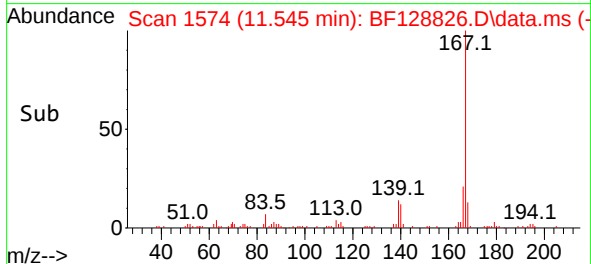
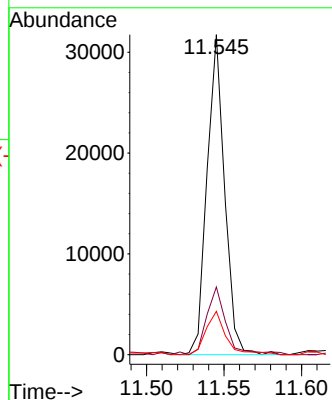
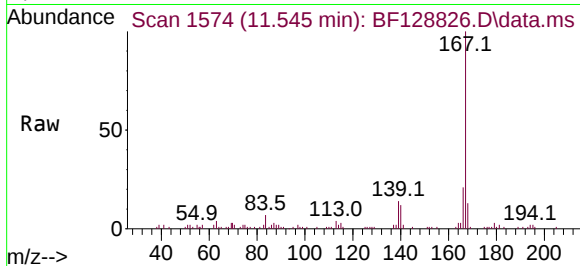




#73
 Carbazole
 Concen: 2.088 ng
 RT: 11.545 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF128826.D
 Acq: 15 Jun 2022 15:04

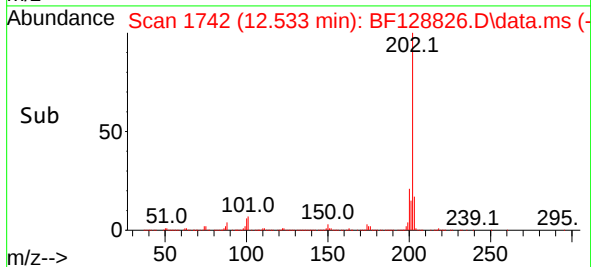
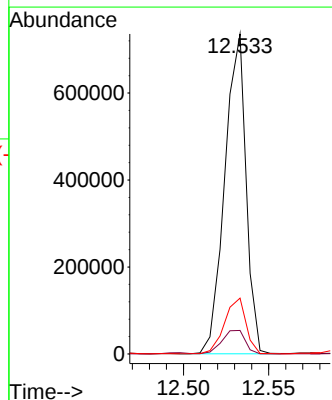
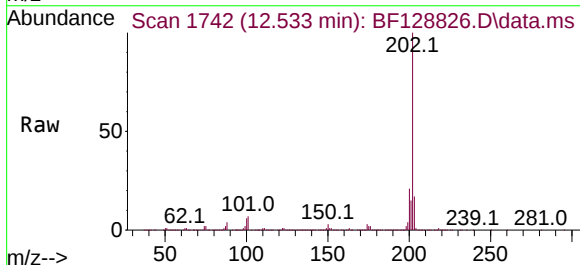
Instrument :
 BNA_F
 ClientSampleId :
 SU-02-061322DL2

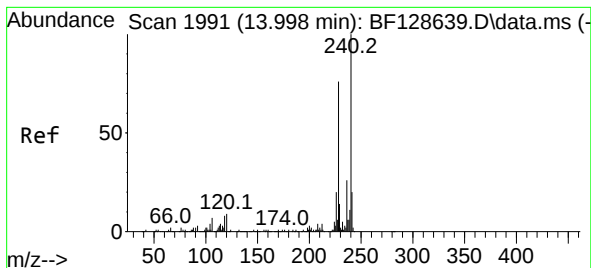
Tgt Ion:167 Resp: 25076
 Ion Ratio Lower Upper
 167 100
 166 21.1 17.7 26.5
 139 13.5 11.2 16.8



#75
 Fluoranthene
 Concen: 46.736 ng
 RT: 12.533 min Scan# 1742
 Delta R.T. 0.006 min
 Lab File: BF128826.D
 Acq: 15 Jun 2022 15:04

Tgt Ion:202 Resp: 638324
 Ion Ratio Lower Upper
 202 100
 101 7.3 0.0 31.4
 203 17.4 0.0 38.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.957 min Scan# 1991

Delta R.T. -0.006 min

Lab File: BF128826.D

Acq: 15 Jun 2022 15:04

Instrument :

BNA_F

ClientSampleId :

SU-02-061322DL2

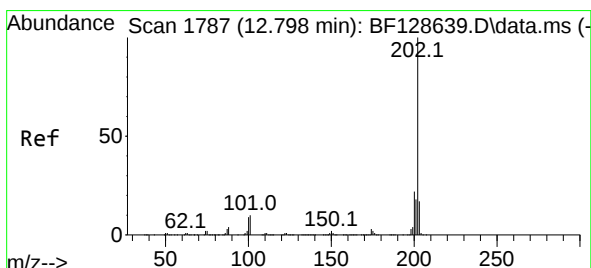
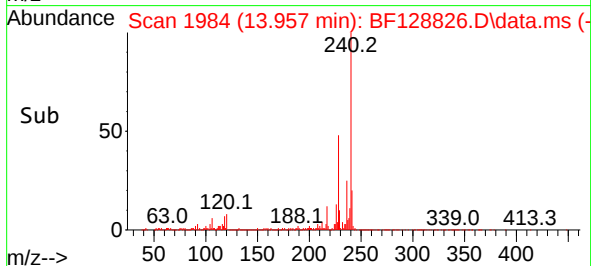
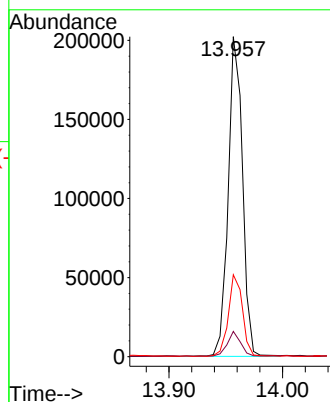
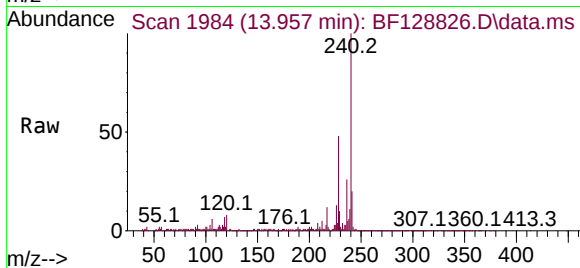
Tgt Ion:240 Resp: 177021

Ion Ratio Lower Upper

240 100

120 7.9 8.9 13.3#

236 25.6 20.8 31.2



#78

Pyrene

Concen: 40.242 ng

RT: 12.763 min Scan# 1781

Delta R.T. 0.006 min

Lab File: BF128826.D

Acq: 15 Jun 2022 15:04

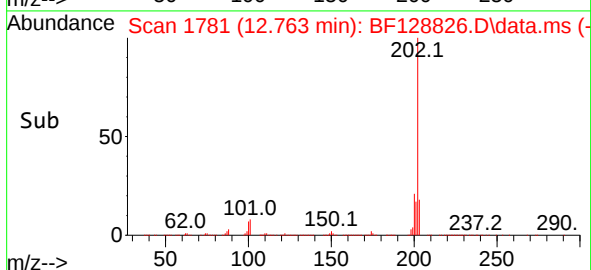
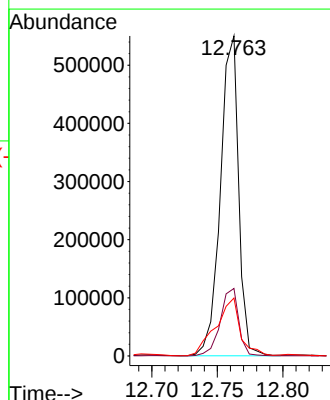
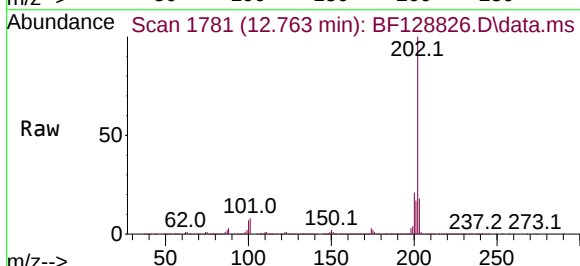
Tgt Ion:202 Resp: 529998

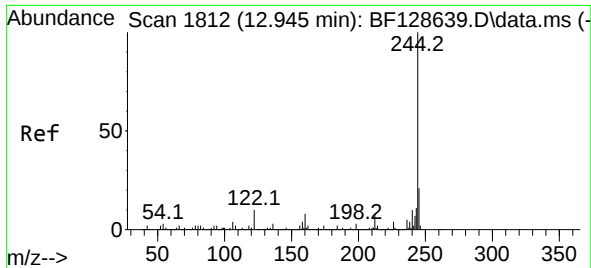
Ion Ratio Lower Upper

202 100

200 21.1 17.7 26.5

203 18.1 14.6 21.8

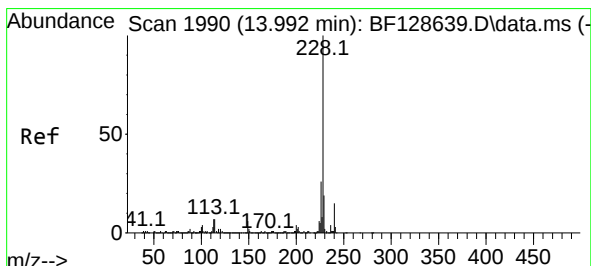
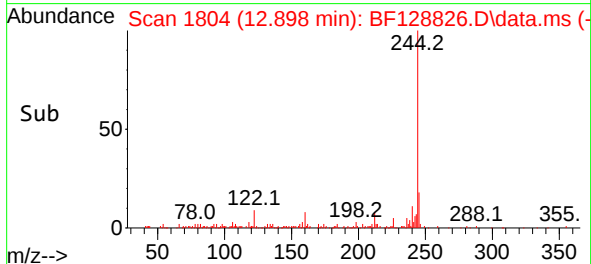
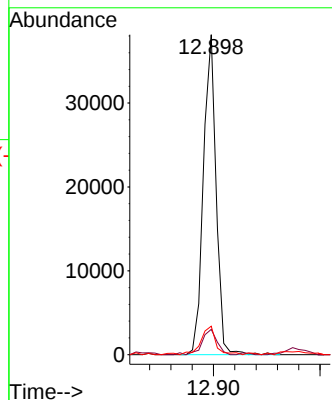
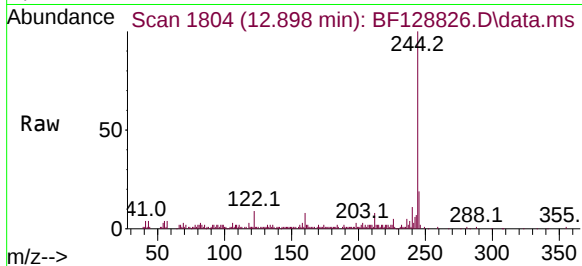




#79
 Terphenyl-d14
 Concen: 3.119 ng
 RT: 12.898 min Scan# 1804
 Delta R.T. -0.006 min
 Lab File: BF128826.D
 Acq: 15 Jun 2022 15:04

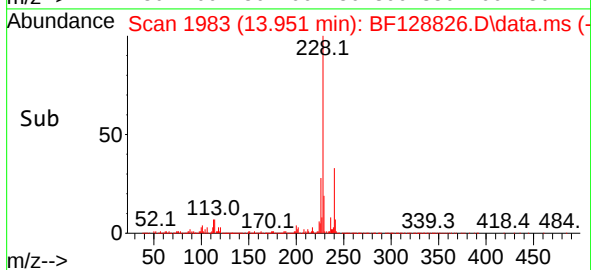
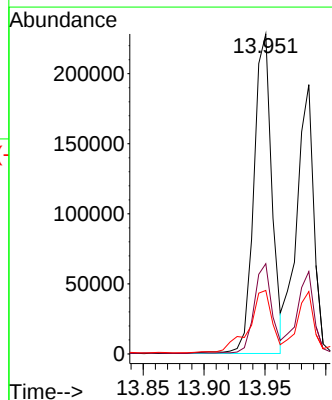
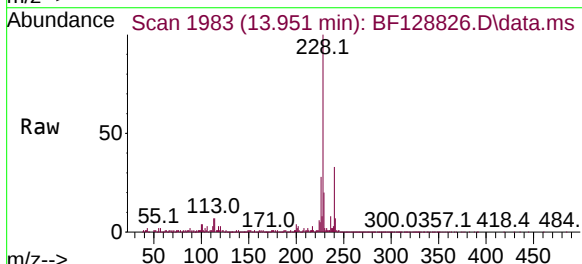
Instrument :
 BNA_F
 ClientSampleId :
 SU-02-061322DL2

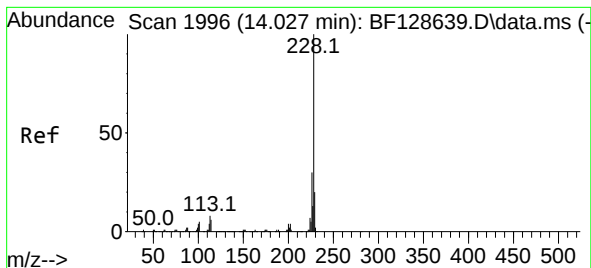
Tgt Ion:244 Resp: 31771
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.1 9.1
 122 8.9 8.8 13.2



#81
 Benzo(a)anthracene
 Concen: 21.299 ng
 RT: 13.951 min Scan# 1983
 Delta R.T. -0.000 min
 Lab File: BF128826.D
 Acq: 15 Jun 2022 15:04

Tgt Ion:228 Resp: 235021
 Ion Ratio Lower Upper
 228 100
 226 28.2 22.1 33.1
 229 19.8 15.8 23.8





#83

Chrysene

Concen: 17.862 ng

RT: 13.986 min Scan# 1996

Delta R.T. -0.006 min

Lab File: BF128826.D

Acq: 15 Jun 2022 15:04

Instrument :

BNA_F

ClientSampleId :

SU-02-061322DL2

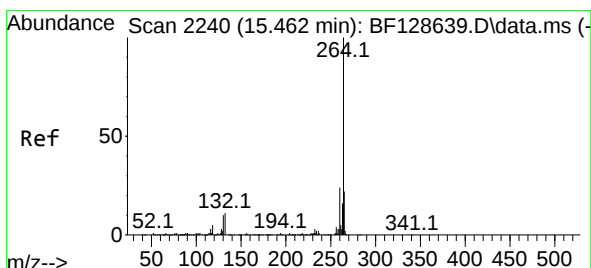
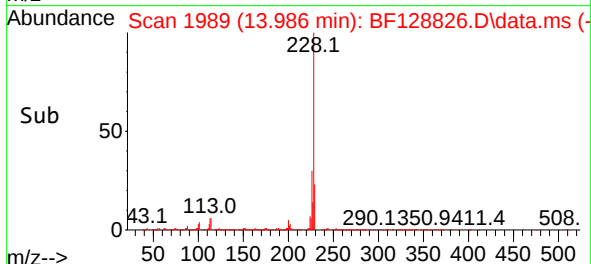
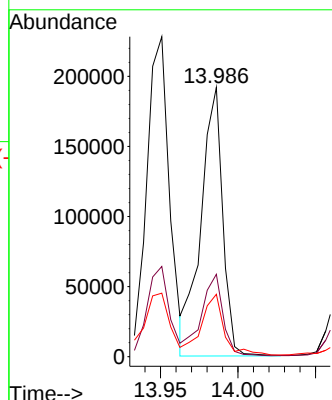
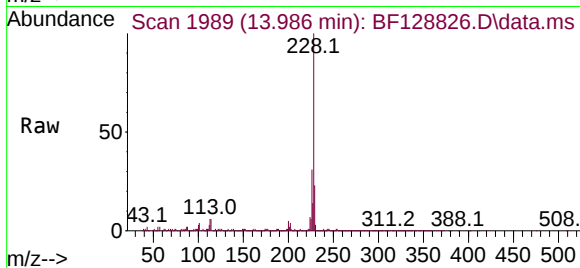
Tgt Ion:228 Resp: 187908

Ion Ratio Lower Upper

228 100

226 30.6 24.3 36.5

229 23.2 15.9 23.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.415 min Scan# 2232

Delta R.T. -0.000 min

Lab File: BF128826.D

Acq: 15 Jun 2022 15:04

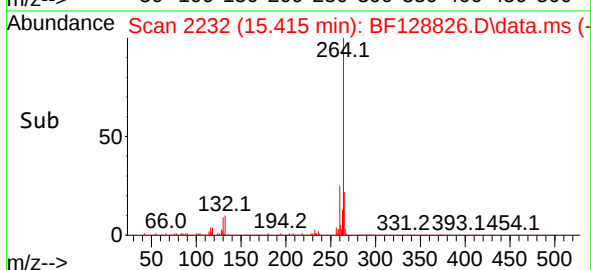
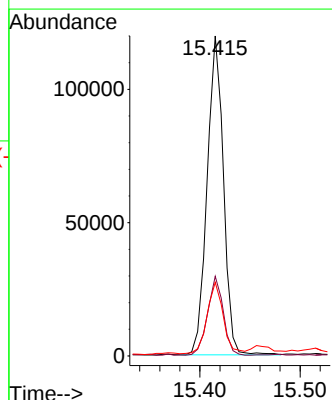
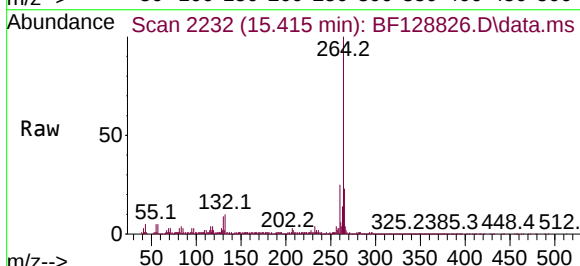
Tgt Ion:264 Resp: 135558

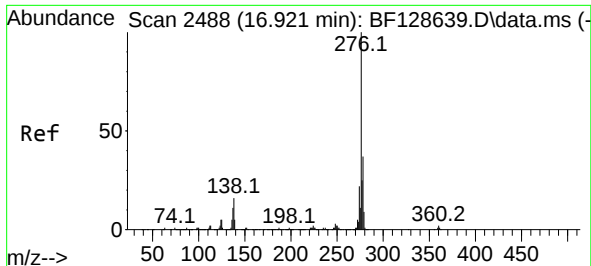
Ion Ratio Lower Upper

264 100

260 24.9 18.4 27.6

265 23.0 17.2 25.8

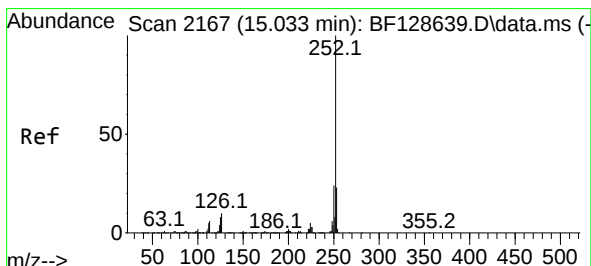
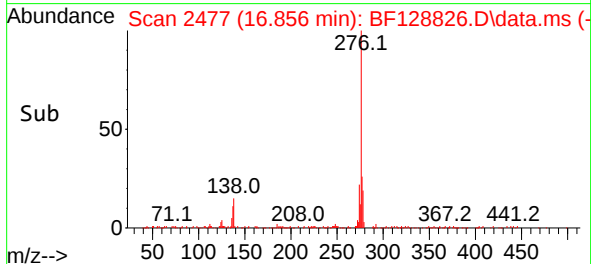
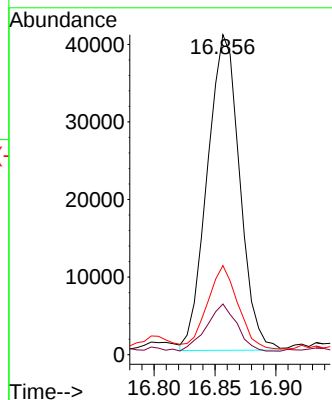
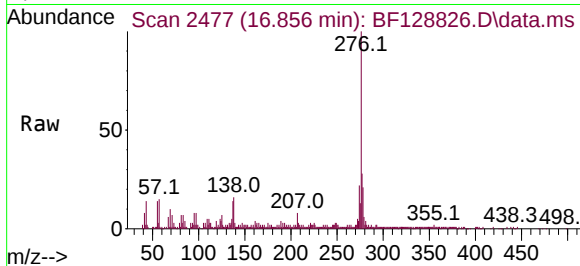




#87
Indeno(1,2,3-cd)pyrene
Concen: 9.218 ng
RT: 16.856 min Scan# 2488
Delta R.T. -0.006 min
Lab File: BF128826.D
Acq: 15 Jun 2022 15:04

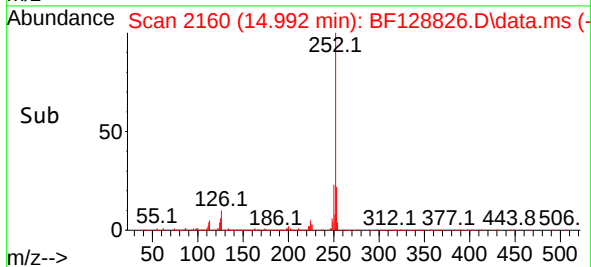
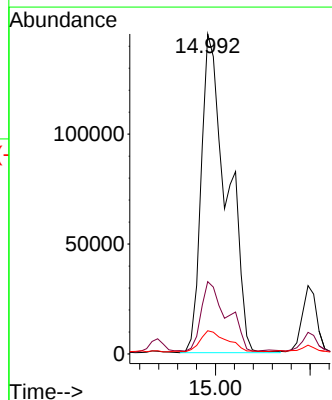
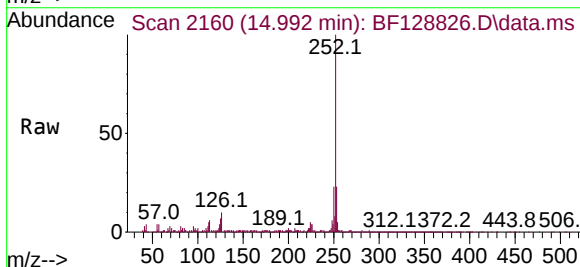
Instrument :
BNA_F
ClientSampleId :
SU-02-061322DL2

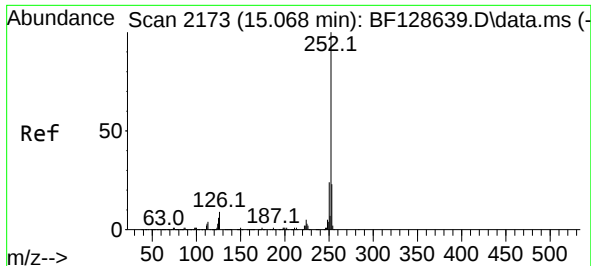
Tgt Ion:276 Resp: 75318
Ion Ratio Lower Upper
276 100
138 14.0 21.1 31.7#
277 24.8 20.3 30.5



#88
Benzo(b)fluoranthene
Concen: 31.799 ng
RT: 14.992 min Scan# 2160
Delta R.T. -0.000 min
Lab File: BF128826.D
Acq: 15 Jun 2022 15:04

Tgt Ion:252 Resp: 275444
Ion Ratio Lower Upper
252 100
253 22.6 17.7 26.5
125 7.2 8.0 12.0#

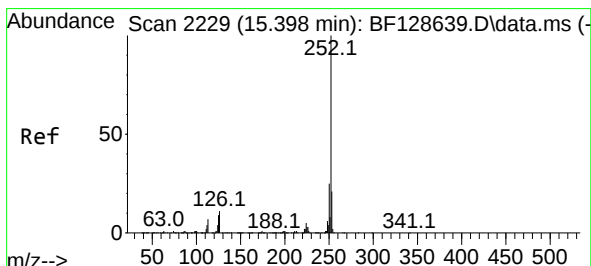
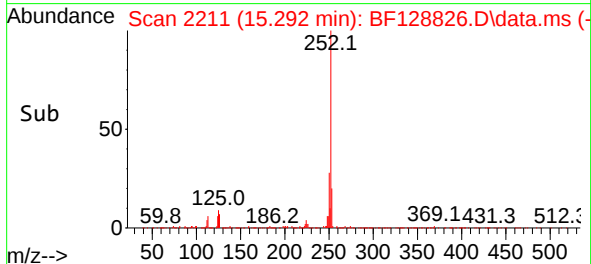
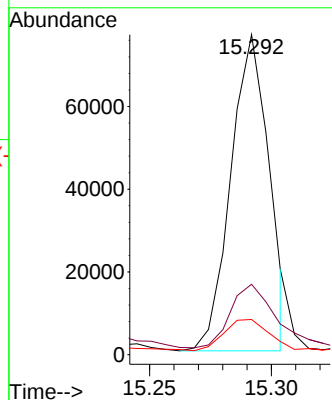
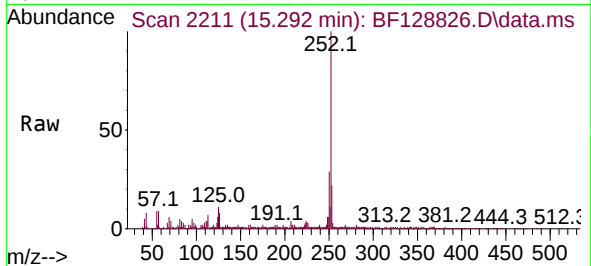




#89
Benzo(k)fluoranthene
Concen: 10.279 ng
RT: 15.292 min Scan# 2173
Delta R.T. 0.265 min
Lab File: BF128826.D
Acq: 15 Jun 2022 15:04

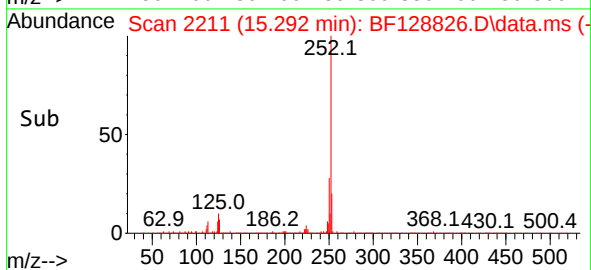
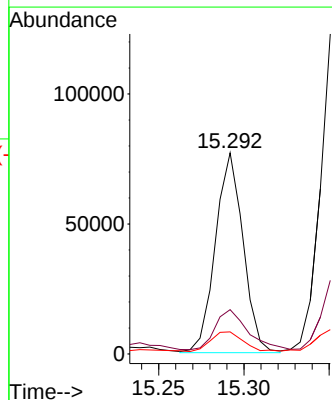
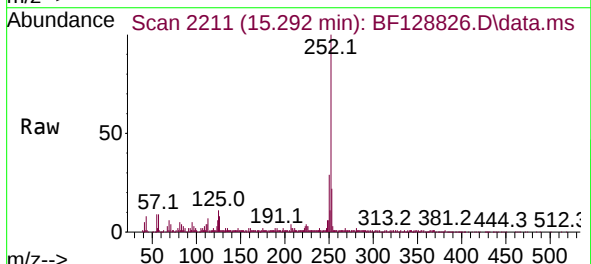
Instrument :
BNA_F
ClientSampleId :
SU-02-061322DL2

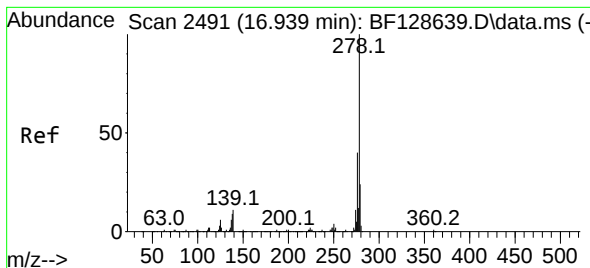
Tgt Ion:252 Resp: 83756
Ion Ratio Lower Upper
252 100
253 22.0 17.8 26.6
125 11.0 8.3 12.5



#90
Benzo(a)pyrene
Concen: 12.785 ng
RT: 15.292 min Scan# 2211
Delta R.T. -0.065 min
Lab File: BF128826.D
Acq: 15 Jun 2022 15:04

Tgt Ion:252 Resp: 87042
Ion Ratio Lower Upper
252 100
253 22.0 17.0 25.6
125 11.0 8.8 13.2





#91

Dibenzo(a,h)anthracene

Concen: 2.494 ng

RT: 17.033 min Scan# 21

Delta R.T. 0.159 min

Lab File: BF128826.D

Acq: 15 Jun 2022 15:04

Instrument :

BNA_F

ClientSampleId :

SU-02-061322DL2

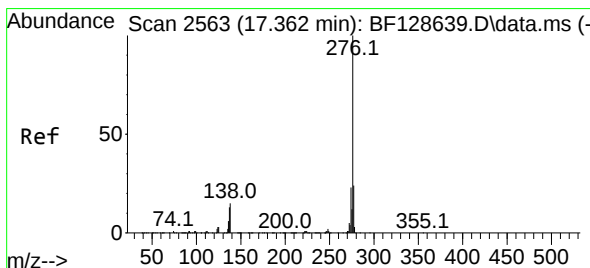
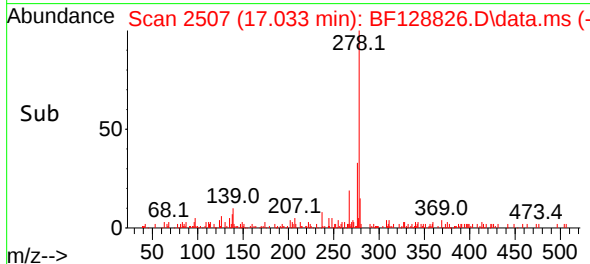
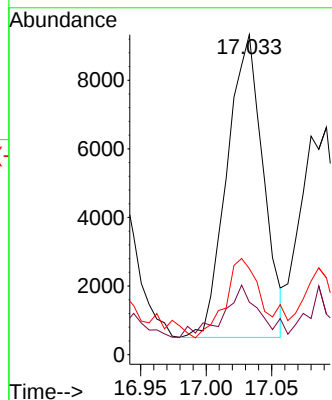
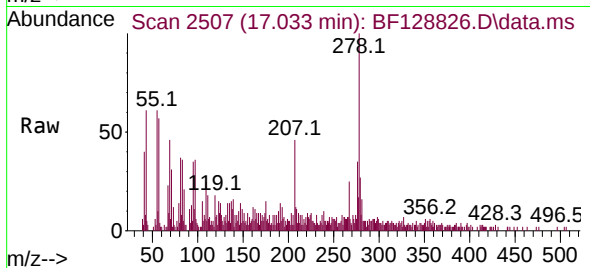
Tgt Ion:278 Resp: 16900

Ion Ratio Lower Upper

278 100

139 16.4 12.8 19.2

279 26.9 18.6 28.0



#92

Benzo(g,h,i)perylene

Concen: 10.147 ng

RT: 17.298 min Scan# 2552

Delta R.T. -0.000 min

Lab File: BF128826.D

Acq: 15 Jun 2022 15:04

Tgt Ion:276 Resp: 68154

Ion Ratio Lower Upper

276 100

277 25.6 19.1 28.7

138 13.1 18.0 27.0#

