

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051822\
 Data File : BF128324.D
 Acq On : 18 May 2022 21:24
 Operator : CG\JU
 Sample : N2908-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BI-2

Quant Time: May 19 06:50:55 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 19 06:47:51 2022
 Response via : Initial Calibration

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

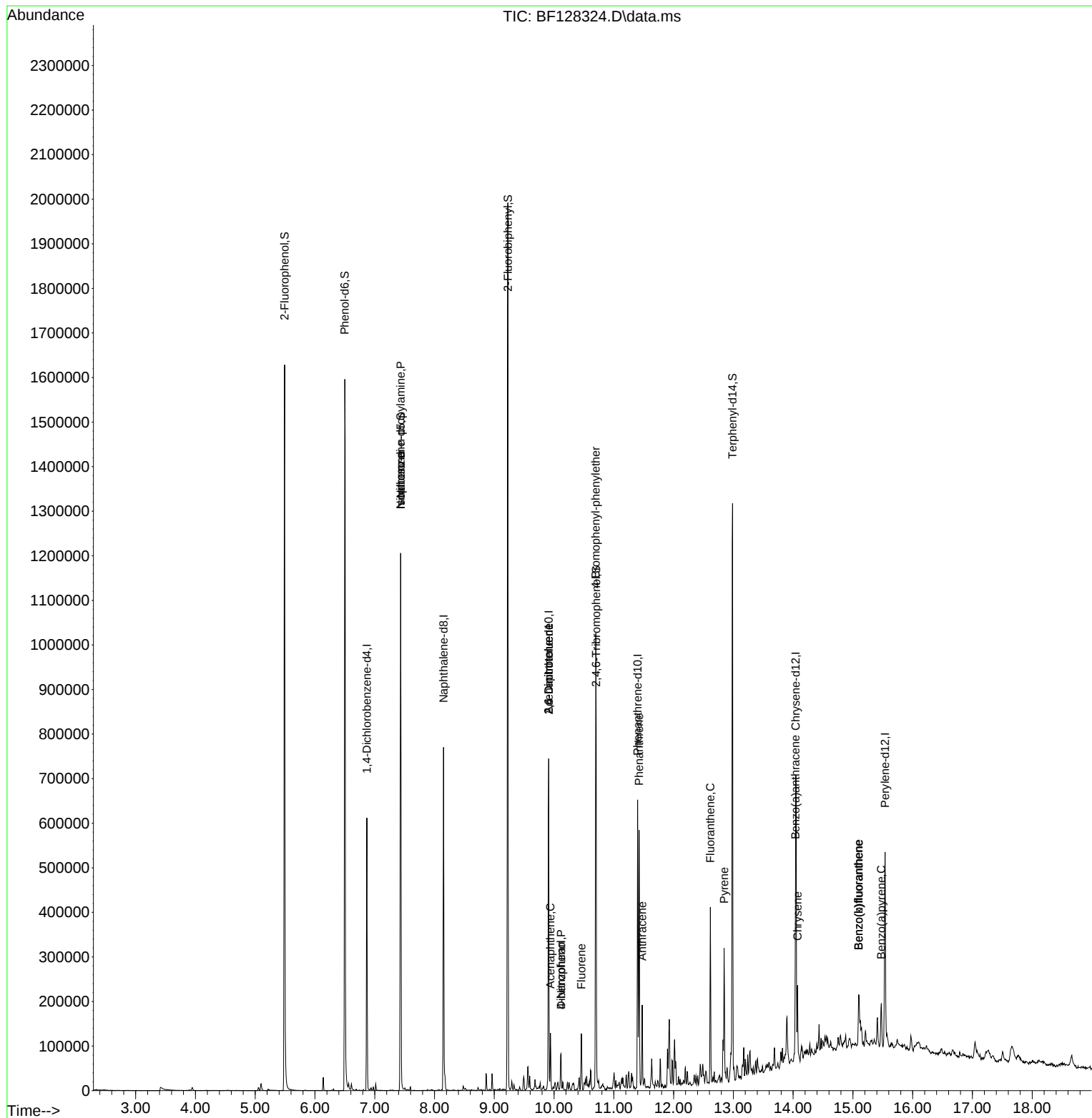
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	78709	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	292367	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	147639	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	220234	20.000	ng	0.00
76) Chrysene-d12	14.045	240	186529	20.000	ng	#-0.01
86) Perylene-d12	15.539	264	195388	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	404382	81.902	ng	0.00
7) Phenol-d6	6.498	99	522475	80.005	ng	-0.01
23) Nitrobenzene-d5	7.434	82	368561	56.723	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	108621	64.150	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	560349	59.386	ng	0.00
79) Terphenyl-d14	12.986	244	427502	43.005	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.498	77	891	Below Cal	#	3
19) n-Nitroso-di-n-propyla...	7.434	70	50056	12.447	ng	# 81
25) Isophorone	7.434	82	368556	36.180	ng	# 68
51) 2,6-Dinitrotoluene	9.910	165	20117	9.626	ng	# 21
52) Acenaphthene	9.939	154	24095	2.884	ng	97
55) Dibenzofuran	10.116	168	27155	2.289	ng	98
56) 4-Nitrophenol	10.116	139	10862	6.861	ng	# 2
57) 2,4-Dinitrotoluene	9.910	165	20117	7.198	ng	# 26
58) Fluorene	10.457	166	29979	3.245	ng	97
67) 4-Bromophenyl-phenylether	10.698	248	6707	2.831	ng	# 1
71) Phenanthrene	11.422	178	193155	17.614	ng	99
72) Anthracene	11.475	178	63013	5.755	ng	98
75) Fluoranthene	12.616	202	136957	11.519	ng	99
78) Pyrene	12.845	202	110606	8.178	ng	98
81) Benzo(a)anthracene	14.039	228	76085	6.386	ng	99
83) Chrysene	14.074	228	61922	5.447	ng	98
88) Benzo(b)fluoranthene	15.098	252	84942	7.013	ng	99
89) Benzo(k)fluoranthene	15.098	252	84942	7.105	ng	# 97
90) Benzo(a)pyrene	15.474	252	47594	4.867	ng	95

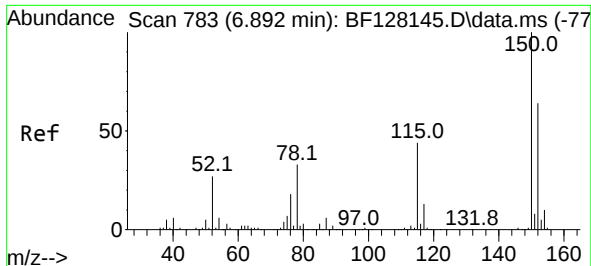
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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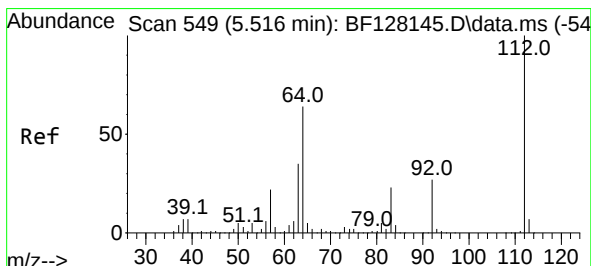
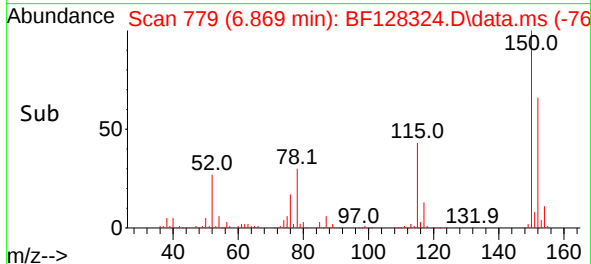
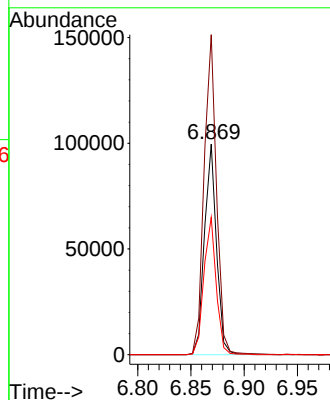
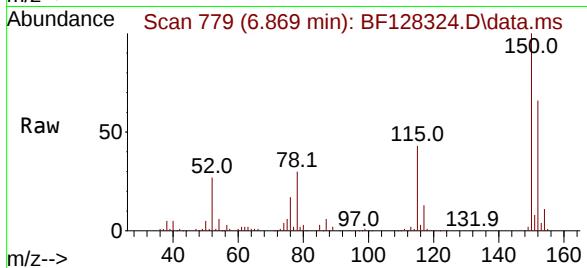




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF128324.D
Acq: 18 May 2022 21:24

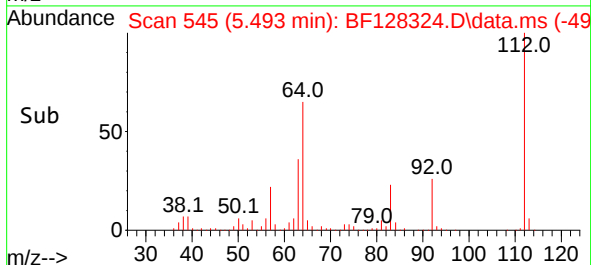
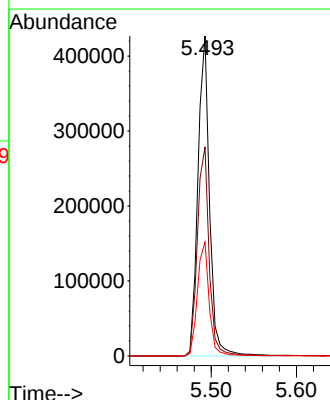
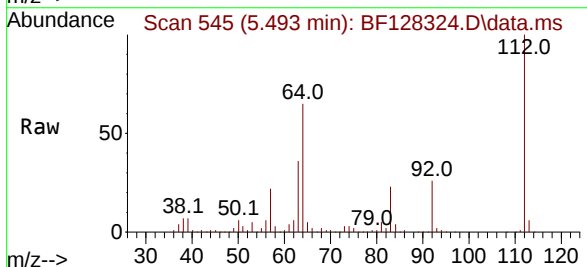
Instrument :
BNA_F
ClientSampleId :
BI-2

Tgt Ion:152 Resp: 78709
Ion Ratio Lower Upper
152 100
150 151.9 125.3 187.9
115 65.2 48.8 73.2



#5
2-Fluorophenol
Concen: 81.902 ng
RT: 5.493 min Scan# 545
Delta R.T. 0.000 min
Lab File: BF128324.D
Acq: 18 May 2022 21:24

Tgt Ion:112 Resp: 404382
Ion Ratio Lower Upper
112 100
64 65.3 49.5 74.3
63 35.6 26.3 39.5

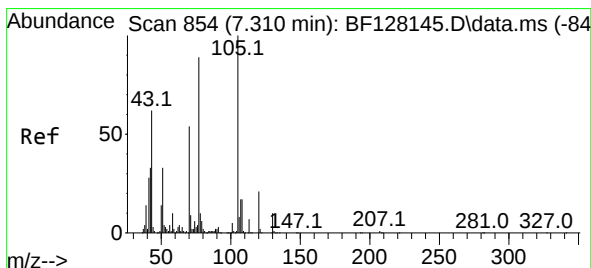
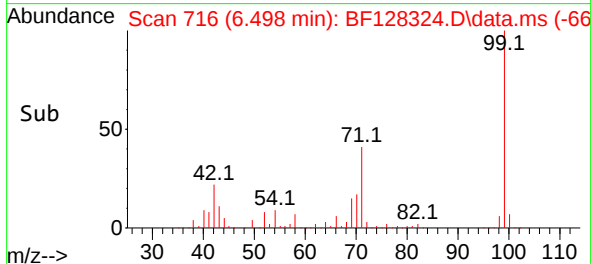
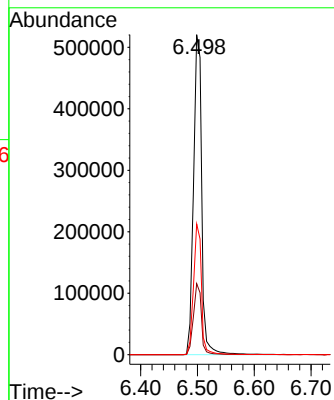
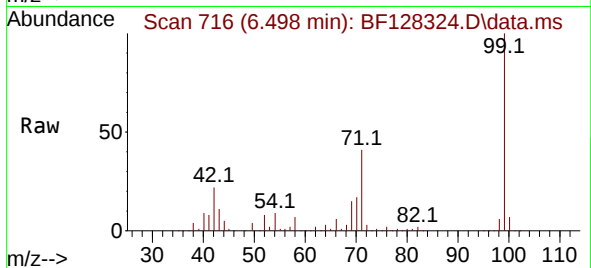




#7
Phenol-d6
Concen: 80.005 ng
RT: 6.498 min Scan# 716
Delta R.T. -0.012 min
Lab File: BF128324.D
Acq: 18 May 2022 21:24

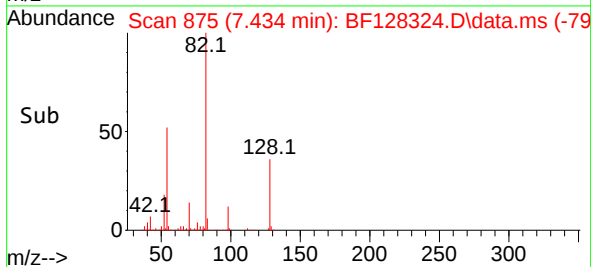
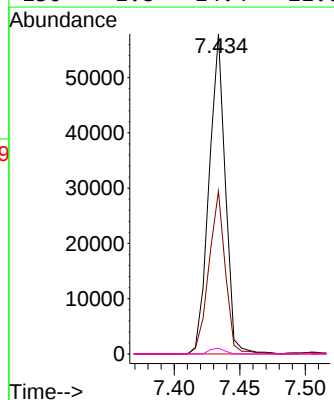
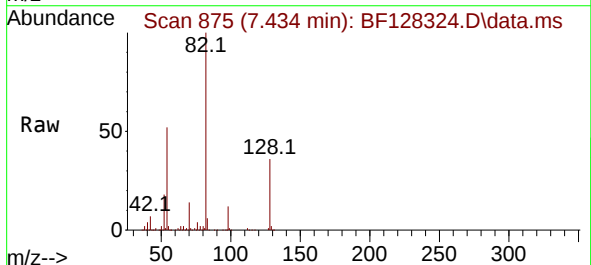
Instrument :
BNA_F
ClientSampleId :
BI-2

Tgt Ion: 99 Resp: 522475
Ion Ratio Lower Upper
99 100
42 22.2 16.6 24.8
71 40.8 30.0 45.0



#19
n-Nitroso-di-n-propylamine
Concen: 12.447 ng
RT: 7.434 min Scan# 875
Delta R.T. 0.147 min
Lab File: BF128324.D
Acq: 18 May 2022 21:24

Tgt Ion: 70 Resp: 50056
Ion Ratio Lower Upper
70 100
42 50.9 48.7 73.1
101 0.0 7.2 10.8#
130 1.8 14.4 21.6#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.151 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF128324.D

Acq: 18 May 2022 21:24

Instrument :

BNA_F

ClientSampleId :

BI-2

Tgt Ion:136 Resp: 292367

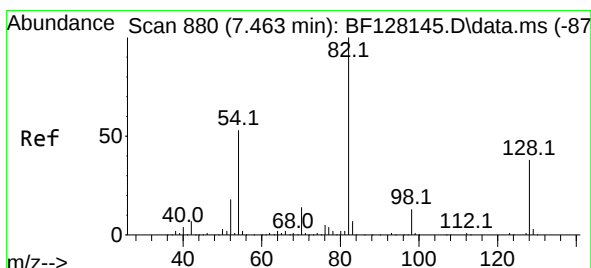
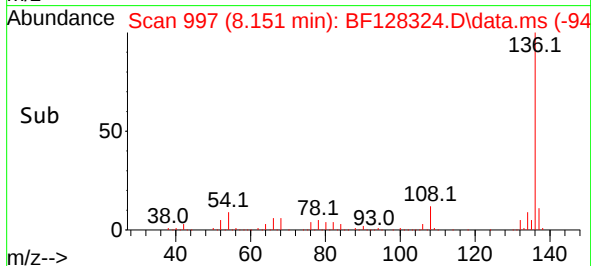
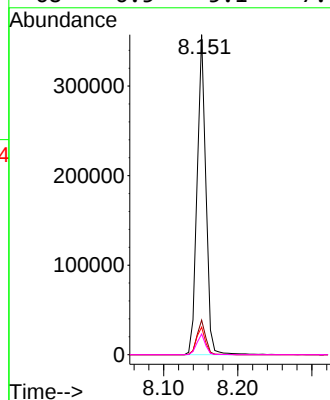
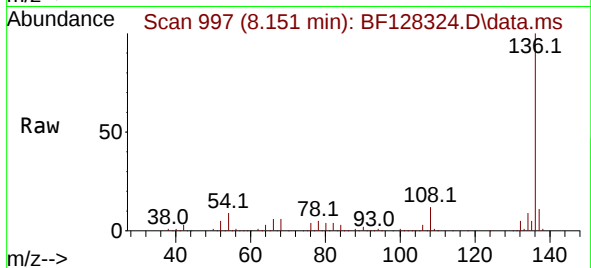
Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

54 8.6 6.8 10.2

68 6.5 5.1 7.7



#23

Nitrobenzene-d5

Concen: 56.723 ng

RT: 7.434 min Scan# 875

Delta R.T. -0.012 min

Lab File: BF128324.D

Acq: 18 May 2022 21:24

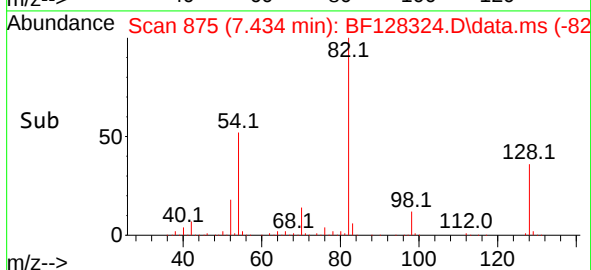
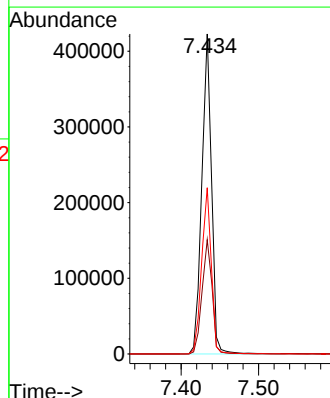
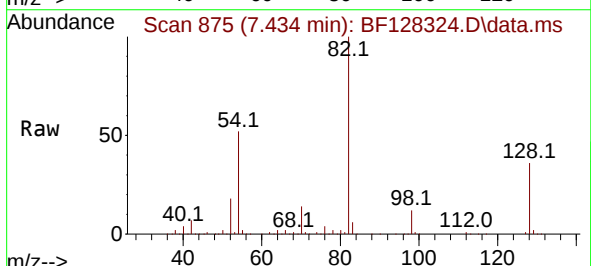
Tgt Ion: 82 Resp: 368561

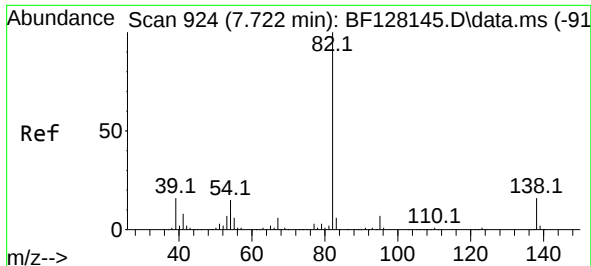
Ion Ratio Lower Upper

82 100

128 35.7 30.0 45.0

54 52.0 41.3 61.9

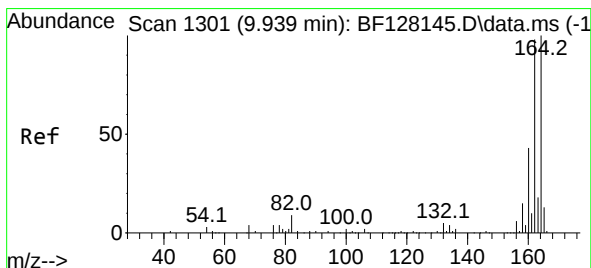
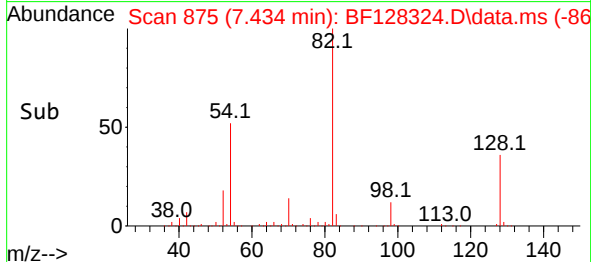
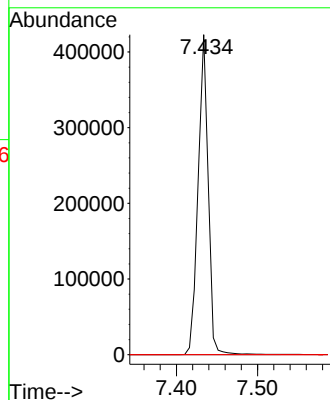
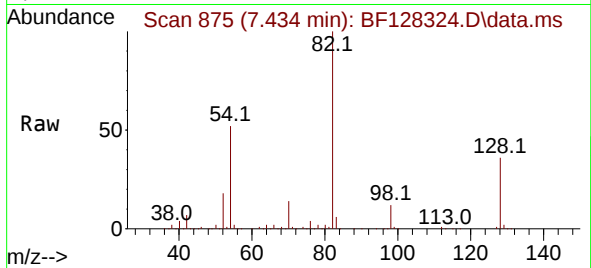




#25
Isophorone
Concen: 36.180 ng
RT: 7.434 min Scan# 81
Delta R.T. -0.264 min
Lab File: BF128324.D
Acq: 18 May 2022 21:24

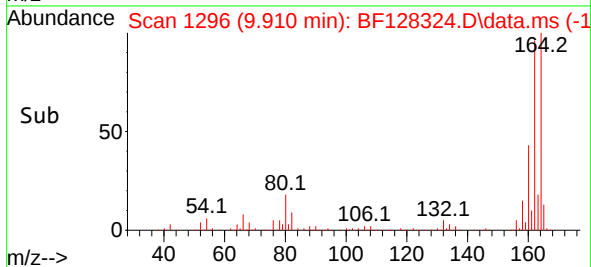
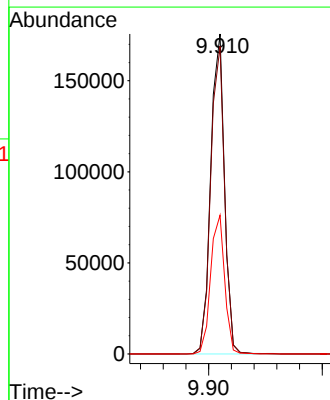
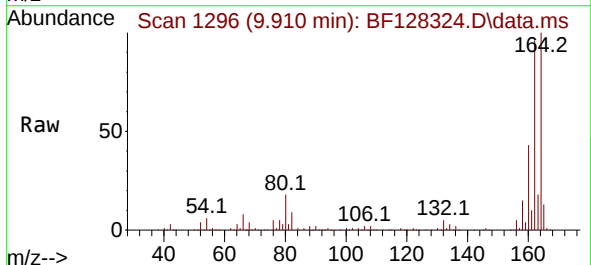
Instrument :
BNA_F
ClientSampleId :
BI-2

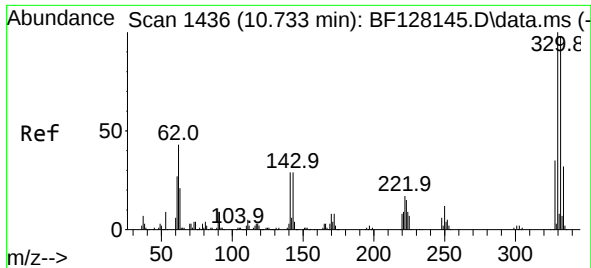
Tgt Ion: 82 Resp: 368556
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 12.5 18.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1296
Delta R.T. -0.006 min
Lab File: BF128324.D
Acq: 18 May 2022 21:24

Tgt Ion:164 Resp: 147639
Ion Ratio Lower Upper
164 100
162 96.2 76.0 114.0
160 43.4 34.8 52.2





#42

2,4,6-Tribromophenol

Concen: 64.150 ng

RT: 10.704 min Scan# 1436

Delta R.T. -0.006 min

Lab File: BF128324.D

Acq: 18 May 2022 21:24

Instrument :

BNA_F

ClientSampleId :

BI-2

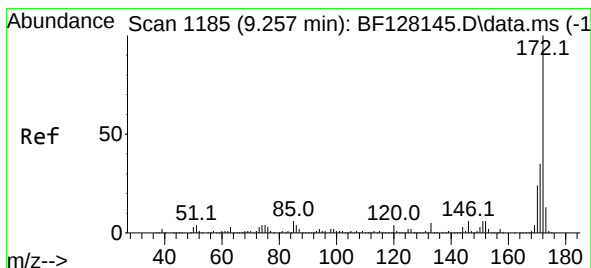
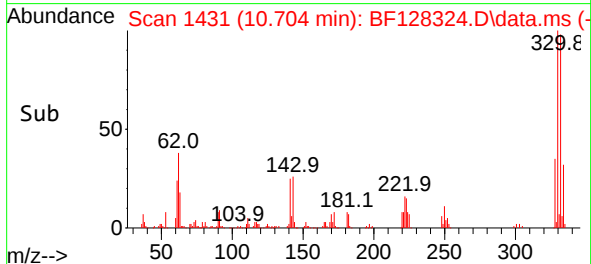
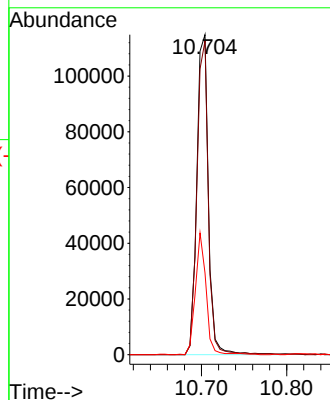
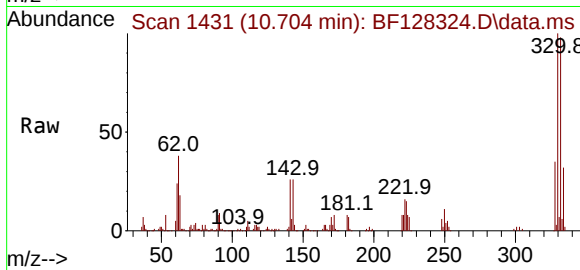
Tgt Ion:330 Resp: 108621

Ion Ratio Lower Upper

330 100

332 96.3 79.0 118.4

141 35.1 28.9 43.3



#45

2-Fluorobiphenyl

Concen: 59.386 ng

RT: 9.228 min Scan# 1180

Delta R.T. -0.006 min

Lab File: BF128324.D

Acq: 18 May 2022 21:24

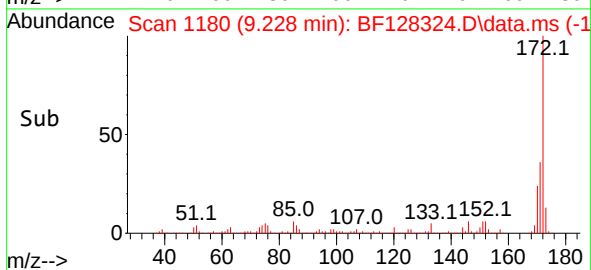
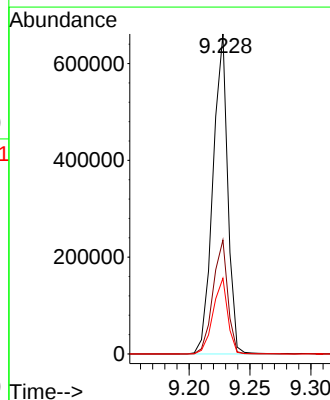
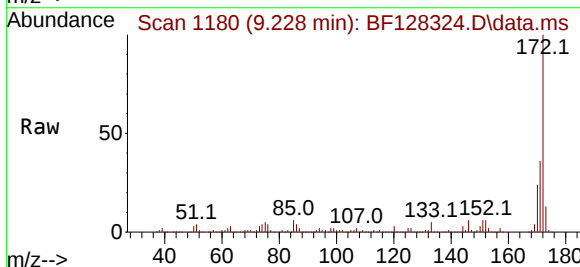
Tgt Ion:172 Resp: 560349

Ion Ratio Lower Upper

172 100

171 35.6 28.6 42.8

170 23.6 19.1 28.7

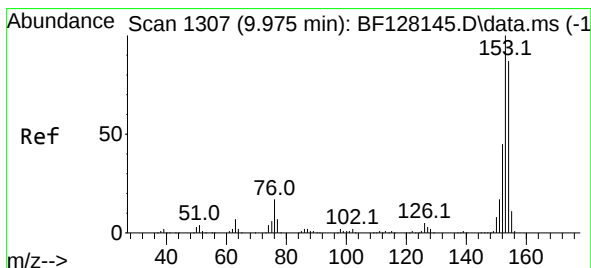
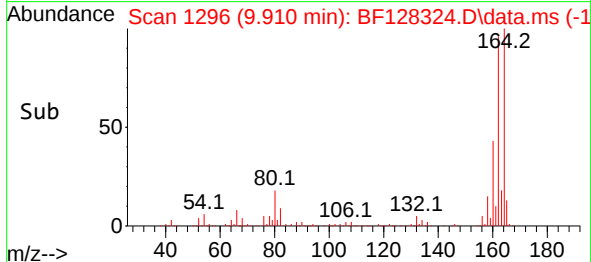
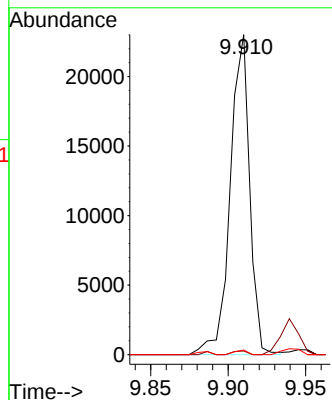
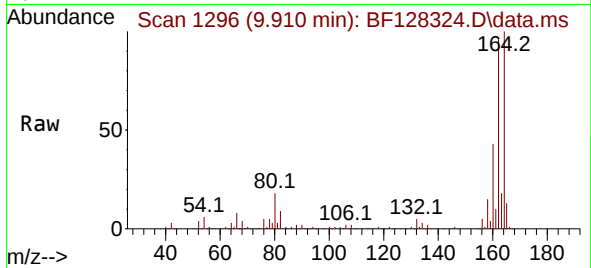




#51
2,6-Dinitrotoluene
Concen: 9.626 ng
RT: 9.910 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF128324.D
Acq: 18 May 2022 21:24

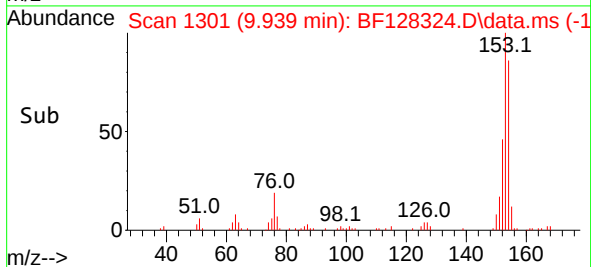
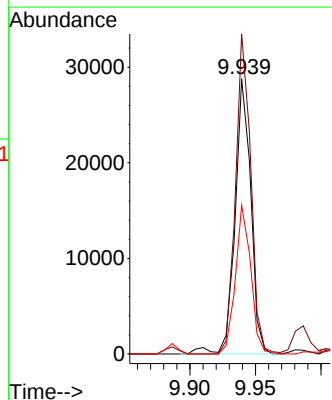
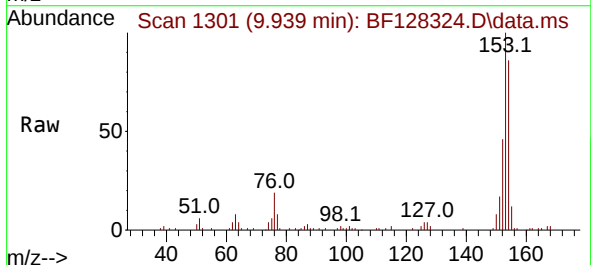
Instrument :
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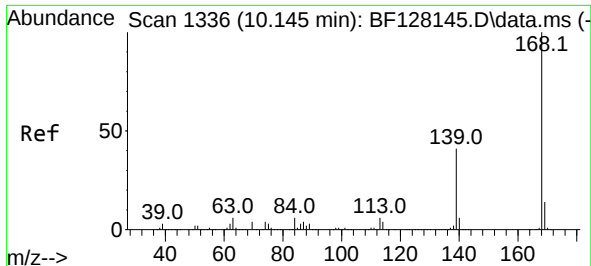
Tgt Ion:165 Resp: 20117
Ion Ratio Lower Upper
165 100
63 1.2 49.5 74.3#
89 1.4 49.0 73.4#



#52
Acenaphthene
Concen: 2.884 ng
RT: 9.939 min Scan# 1301
Delta R.T. -0.012 min
Lab File: BF128324.D
Acq: 18 May 2022 21:24

Tgt Ion:154 Resp: 24095
Ion Ratio Lower Upper
154 100
153 116.3 90.5 135.7
152 53.9 41.0 61.6

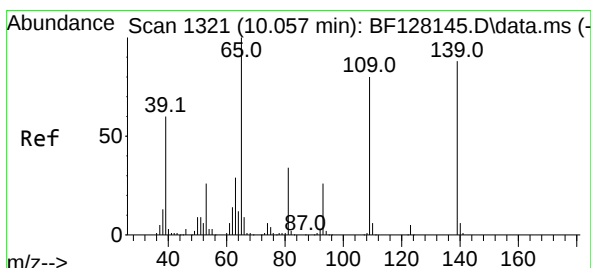
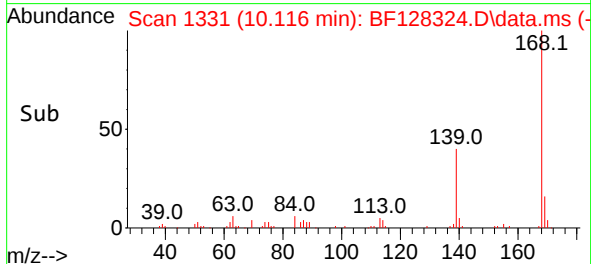
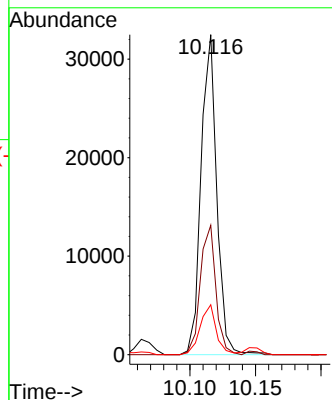
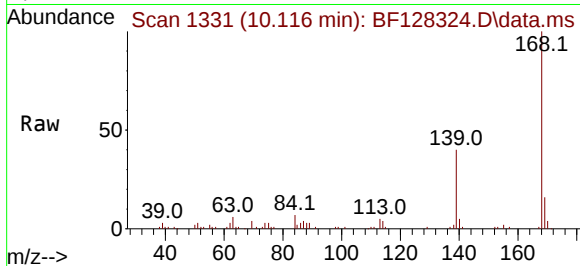




#55
Dibenzenofuran
Concen: 2.289 ng
RT: 10.116 min Scan# 1331
Delta R.T. -0.006 min
Lab File: BF128324.D
Acq: 18 May 2022 21:24

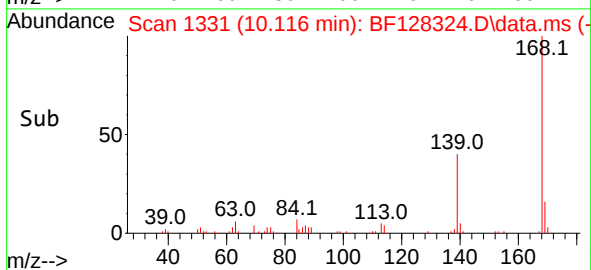
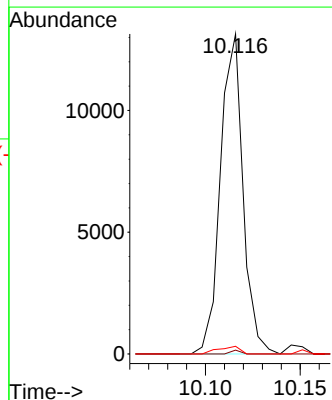
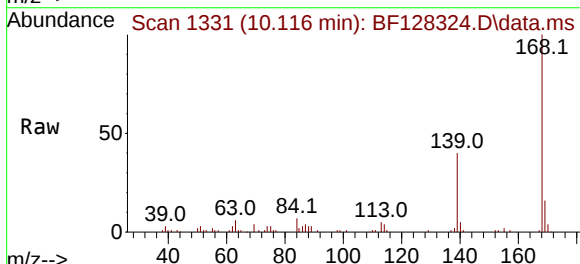
Instrument :
BNA_F
ClientSampleId :
BI-2

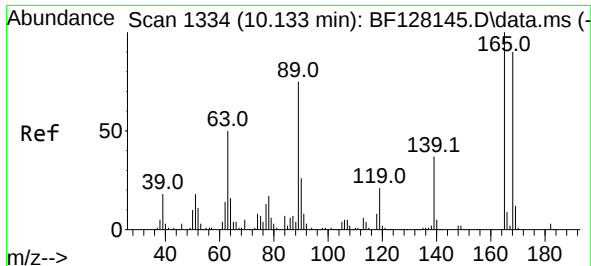
Tgt Ion:168 Resp: 27155
Ion Ratio Lower Upper
168 100
139 40.5 31.7 47.5
169 15.6 10.9 16.3



#56
4-Nitrophenol
Concen: 6.861 ng
RT: 10.116 min Scan# 1331
Delta R.T. 0.071 min
Lab File: BF128324.D
Acq: 18 May 2022 21:24

Tgt Ion:139 Resp: 10862
Ion Ratio Lower Upper
139 100
109 1.2 61.9 101.9#
65 2.4 93.5 133.5#

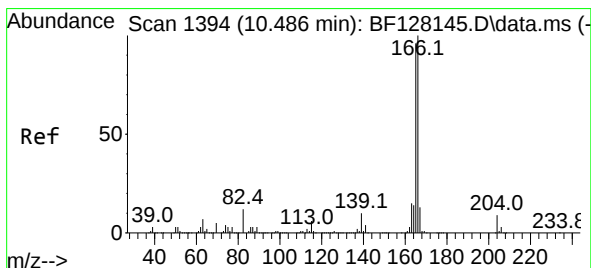
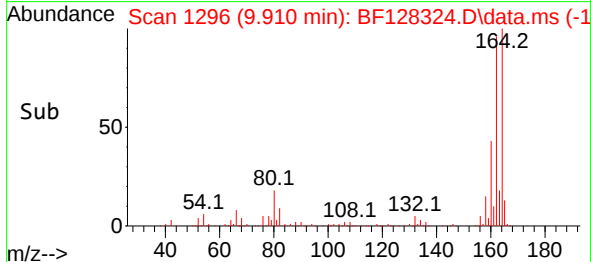
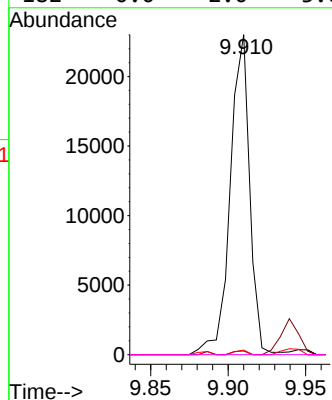
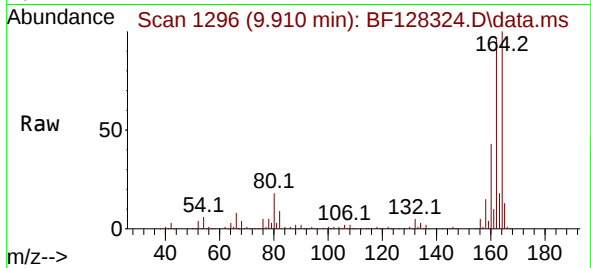




#57
2,4-Dinitrotoluene
Concen: 7.198 ng
RT: 9.910 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF128324.D
Acq: 18 May 2022 21:24

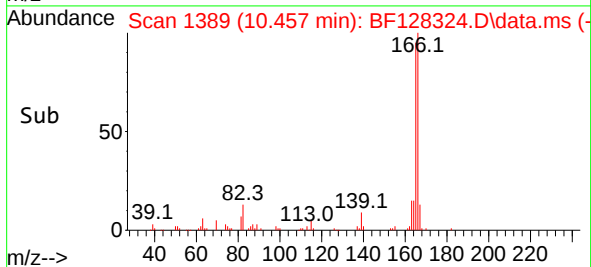
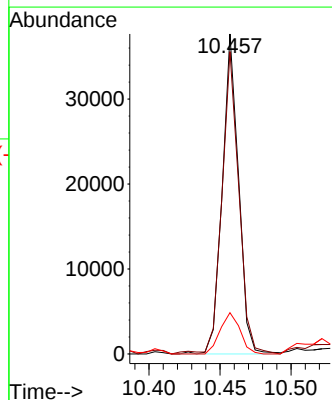
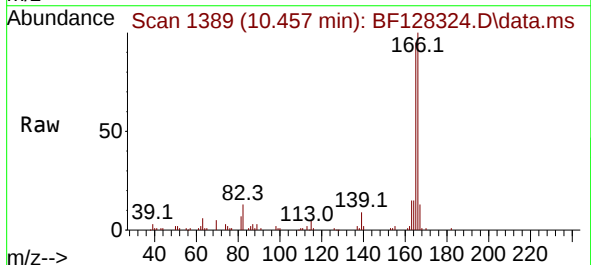
Instrument :
BNA_F
ClientSampleId :
BI-2

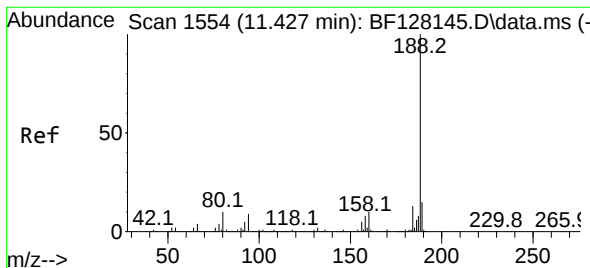
Tgt Ion:165 Resp: 20117
Ion Ratio Lower Upper
165 100
63 1.2 32.6 49.0#
89 1.4 55.2 82.8#
182 0.0 2.0 3.0#



#58
Fluorene
Concen: 3.245 ng
RT: 10.457 min Scan# 1389
Delta R.T. -0.012 min
Lab File: BF128324.D
Acq: 18 May 2022 21:24

Tgt Ion:166 Resp: 29979
Ion Ratio Lower Upper
166 100
165 94.5 78.6 117.8
167 12.9 10.5 15.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF128324.D

Acq: 18 May 2022 21:24

Instrument :

BNA_F

ClientSampleId :

BI-2

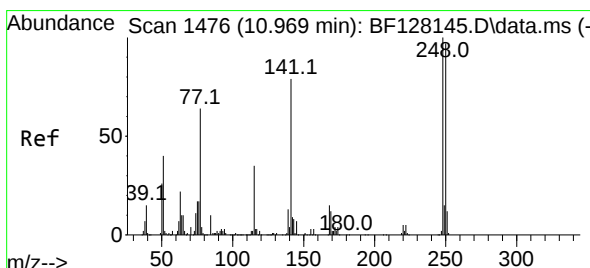
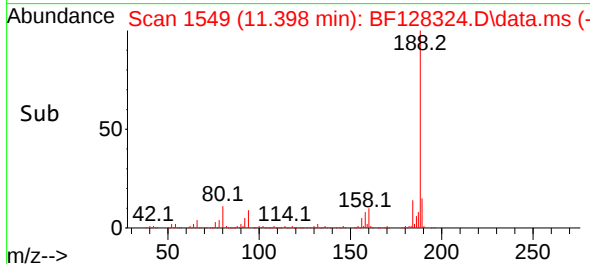
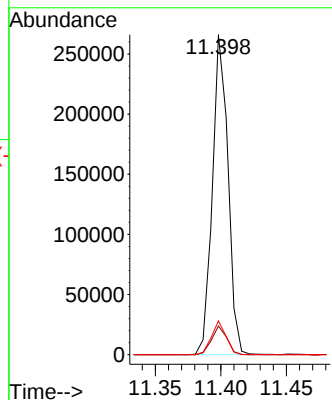
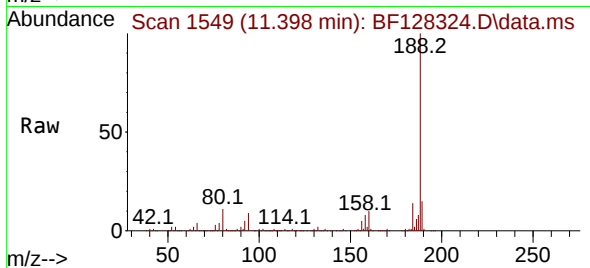
Tgt Ion:188 Resp: 220234

Ion Ratio Lower Upper

188 100

94 9.0 8.0 12.0

80 10.5 8.9 13.3



#67

4-Bromophenyl-phenylether

Concen: 2.831 ng

RT: 10.698 min Scan# 1430

Delta R.T. -0.247 min

Lab File: BF128324.D

Acq: 18 May 2022 21:24

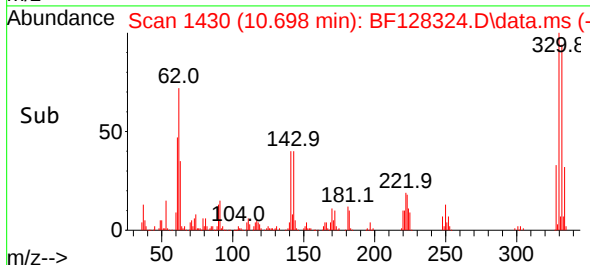
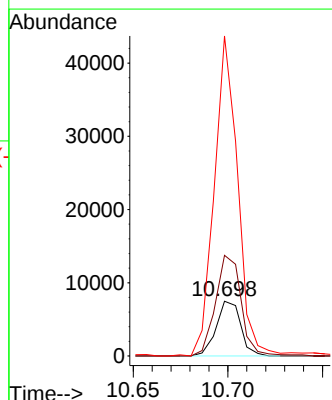
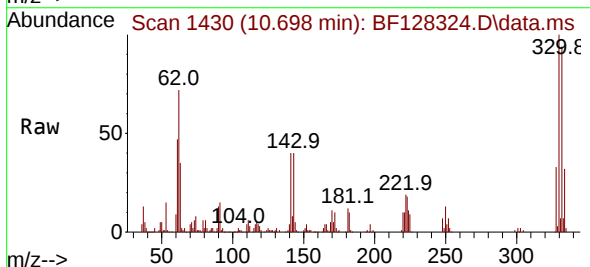
Tgt Ion:248 Resp: 6707

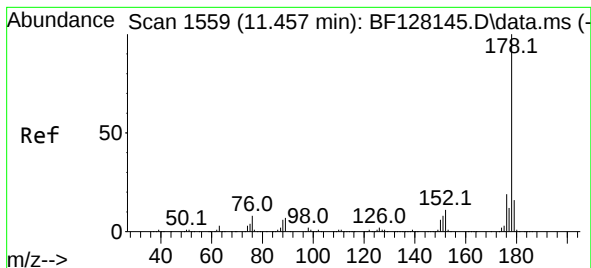
Ion Ratio Lower Upper

248 100

250 184.2 77.7 116.5#

141 585.3 65.6 98.4#





#71

Phenanthrene

Concen: 17.614 ng

RT: 11.422 min Scan# 1553

Delta R.T. -0.012 min

Lab File: BF128324.D

Acq: 18 May 2022 21:24

Instrument :

BNA_F

ClientSampleId :

BI-2

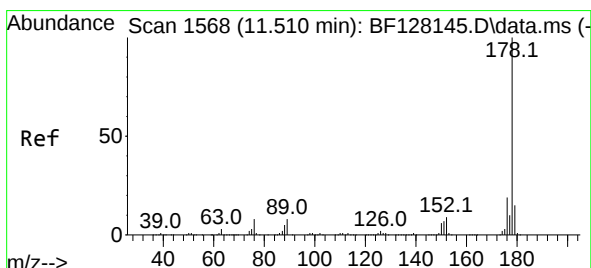
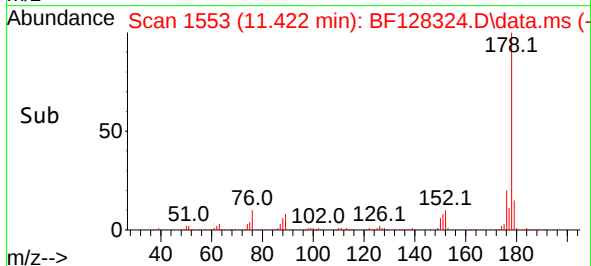
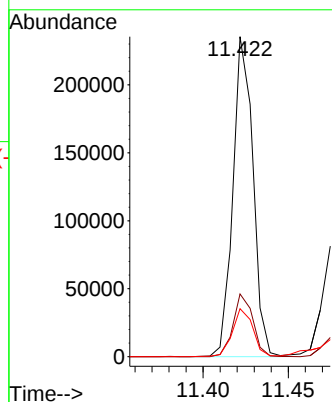
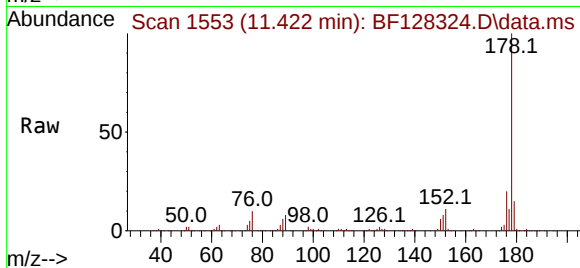
Tgt Ion:178 Resp: 193155

Ion Ratio Lower Upper

178 100

176 19.6 15.7 23.5

179 15.0 12.6 19.0



#72

Anthracene

Concen: 5.755 ng

RT: 11.475 min Scan# 1562

Delta R.T. -0.012 min

Lab File: BF128324.D

Acq: 18 May 2022 21:24

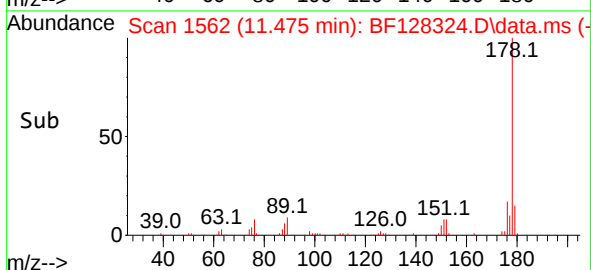
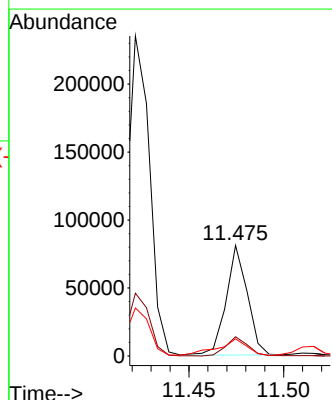
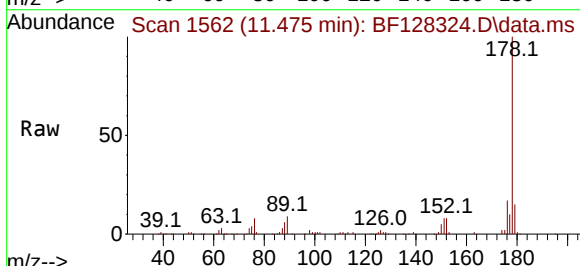
Tgt Ion:178 Resp: 63013

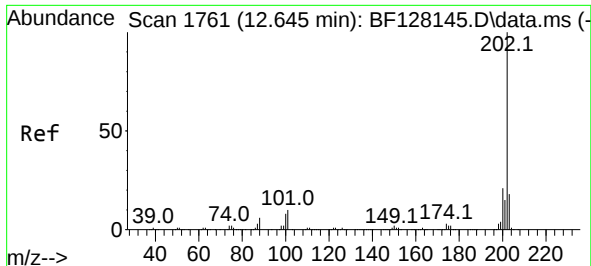
Ion Ratio Lower Upper

178 100

176 17.4 15.0 22.6

179 15.4 12.4 18.6

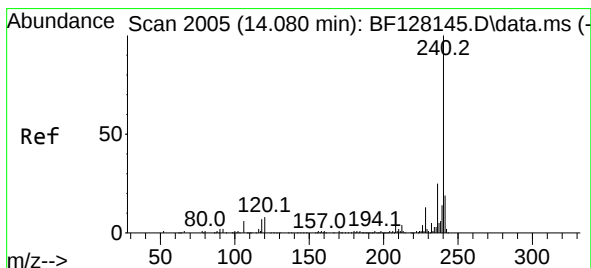
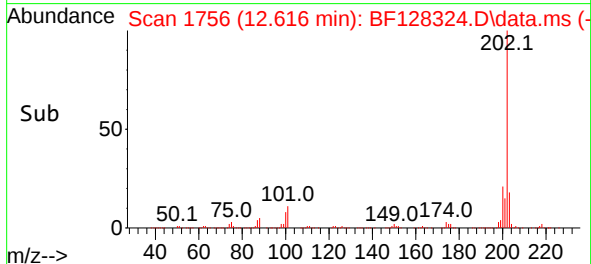
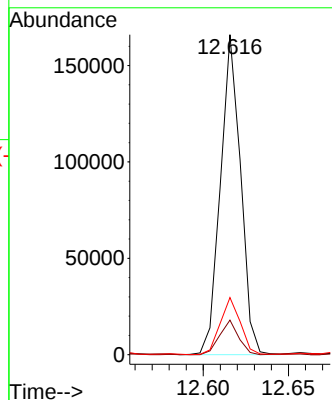
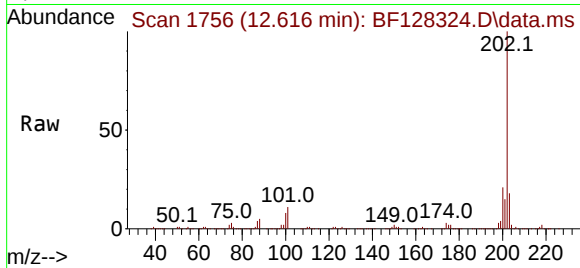




#75
Fluoranthene
Concen: 11.519 ng
RT: 12.616 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128324.D
Acq: 18 May 2022 21:24

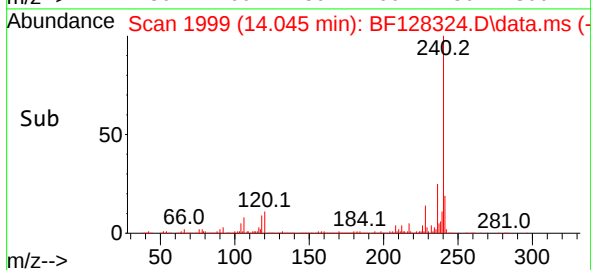
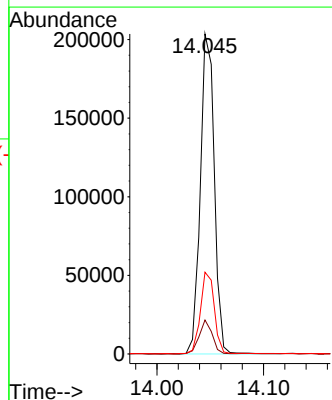
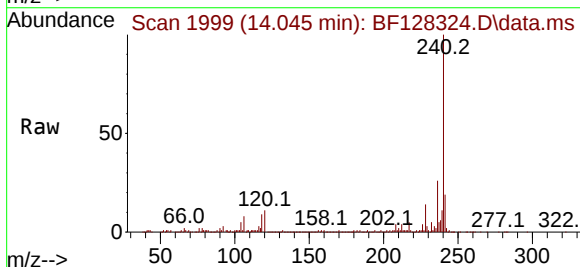
Instrument :
BNA_F
ClientSampleId :
BI-2

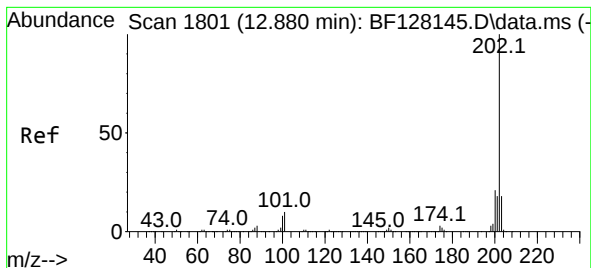
Tgt Ion:202 Resp: 136957
Ion Ratio Lower Upper
202 100
101 10.8 0.0 31.6
203 17.9 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 1999
Delta R.T. -0.012 min
Lab File: BF128324.D
Acq: 18 May 2022 21:24

Tgt Ion:240 Resp: 186529
Ion Ratio Lower Upper
240 100
120 10.6 7.0 10.6#
236 25.6 20.3 30.5





#78

Pyrene

Concen: 8.178 ng

RT: 12.845 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF128324.D

Acq: 18 May 2022 21:24

Instrument :

BNA_F

ClientSampleId :

BI-2

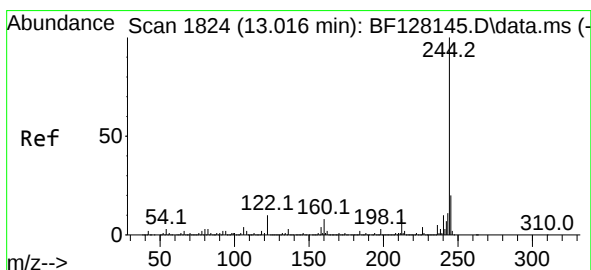
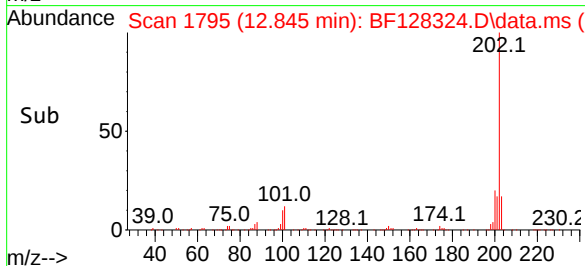
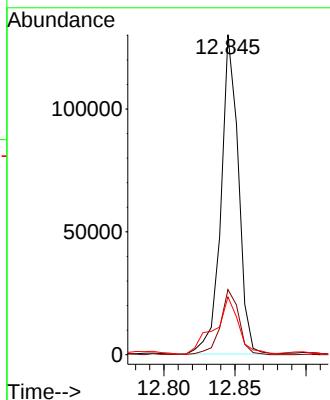
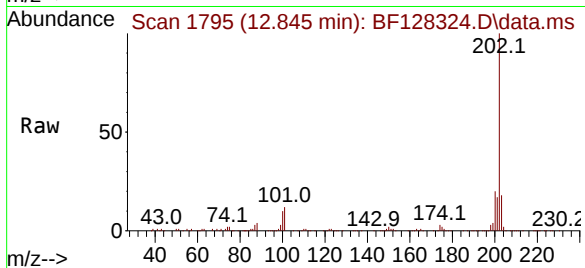
Tgt Ion:202 Resp: 110606

Ion Ratio Lower Upper

202 100

200 20.3 17.4 26.2

203 18.0 14.0 21.0



#79

Terphenyl-d14

Concen: 43.005 ng

RT: 12.986 min Scan# 1819

Delta R.T. -0.006 min

Lab File: BF128324.D

Acq: 18 May 2022 21:24

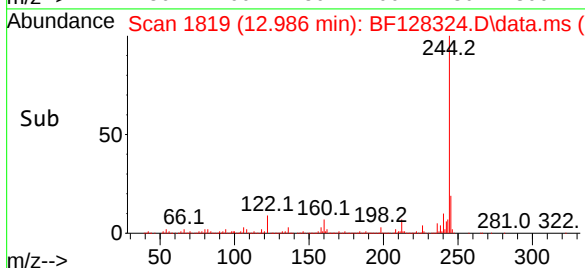
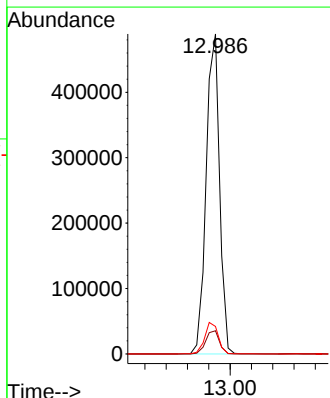
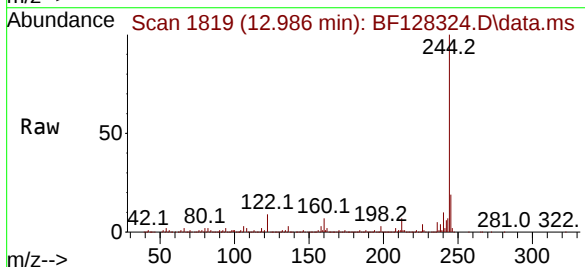
Tgt Ion:244 Resp: 427502

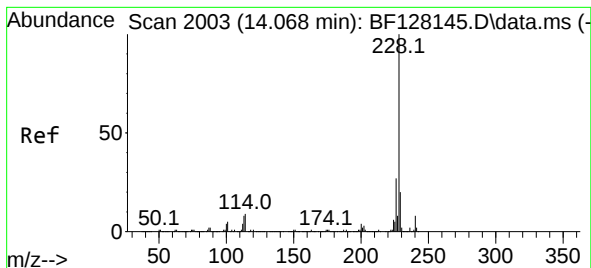
Ion Ratio Lower Upper

244 100

212 7.2 6.2 9.4

122 8.6 8.6 12.8





#81

Benzo(a)anthracene

Concen: 6.386 ng

RT: 14.039 min Scan# 1998

Delta R.T. -0.006 min

Lab File: BF128324.D

Acq: 18 May 2022 21:24

Instrument :

BNA_F

ClientSampleId :

BI-2

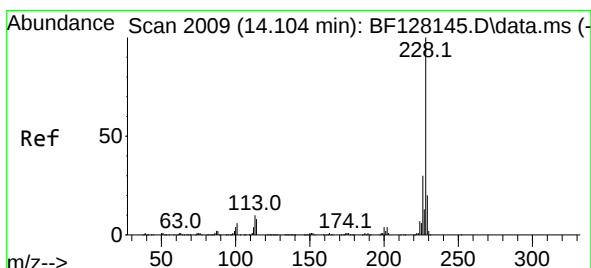
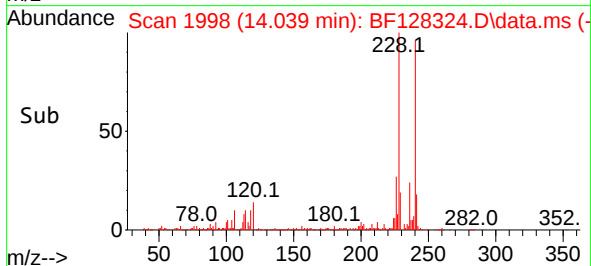
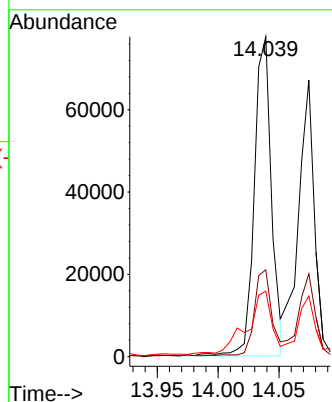
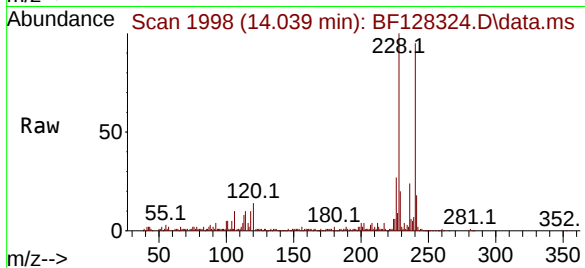
Tgt Ion:228 Resp: 76085

Ion Ratio Lower Upper

228 100

226 27.1 21.7 32.5

229 20.4 15.4 23.2



#83

Chrysene

Concen: 5.447 ng

RT: 14.074 min Scan# 2004

Delta R.T. -0.006 min

Lab File: BF128324.D

Acq: 18 May 2022 21:24

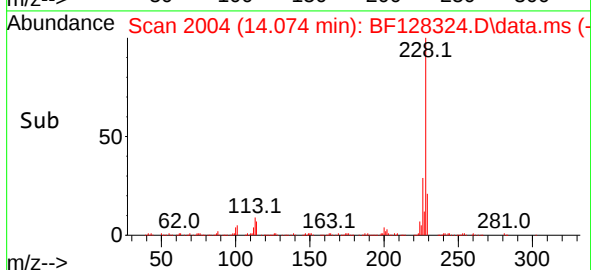
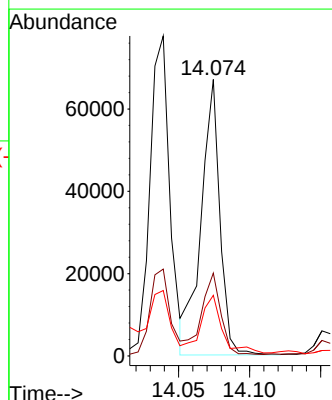
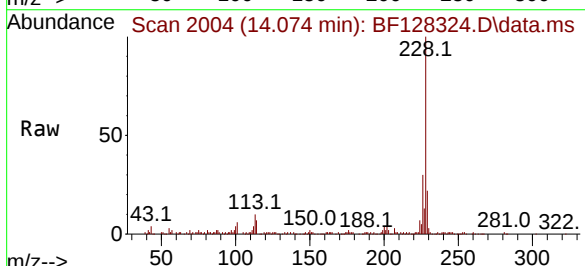
Tgt Ion:228 Resp: 61922

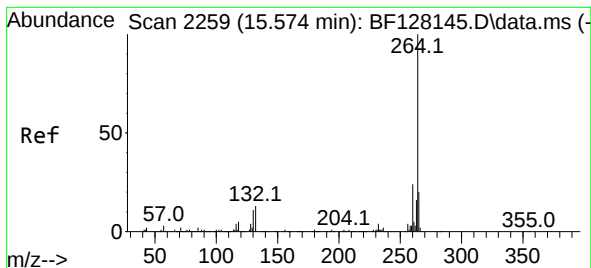
Ion Ratio Lower Upper

228 100

226 30.0 24.4 36.6

229 21.9 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 2178

Delta R.T. -0.006 min

Lab File: BF128324.D

Acq: 18 May 2022 21:24

Instrument :

BNA_F

ClientSampleId :

BI-2

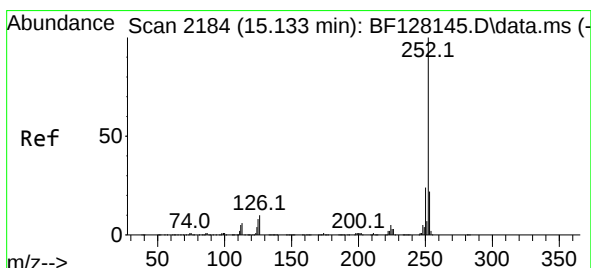
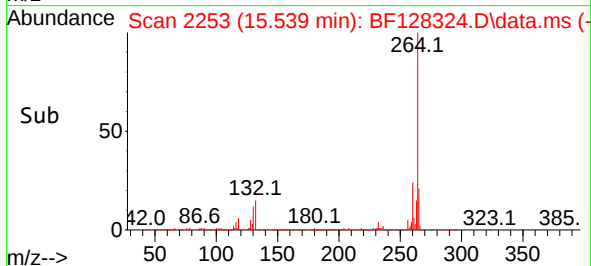
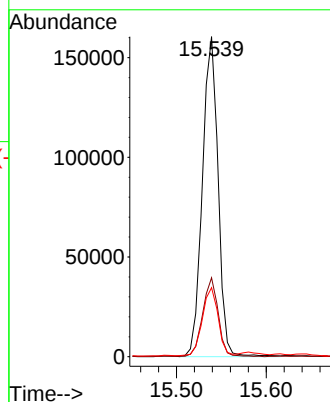
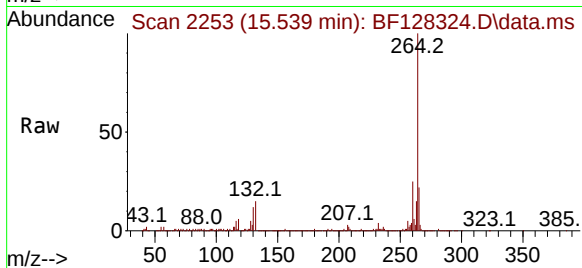
Tgt Ion:264 Resp: 195388

Ion Ratio Lower Upper

264 100

260 24.6 20.1 30.1

265 21.6 17.5 26.3



#88

Benzo(b)fluoranthene

Concen: 7.013 ng

RT: 15.098 min Scan# 2178

Delta R.T. -0.006 min

Lab File: BF128324.D

Acq: 18 May 2022 21:24

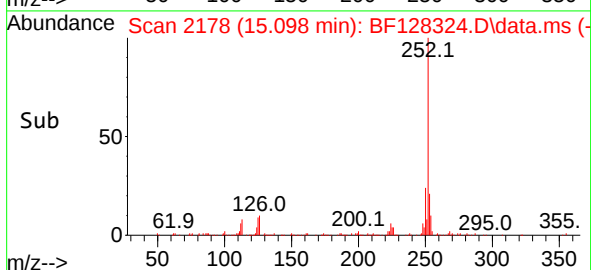
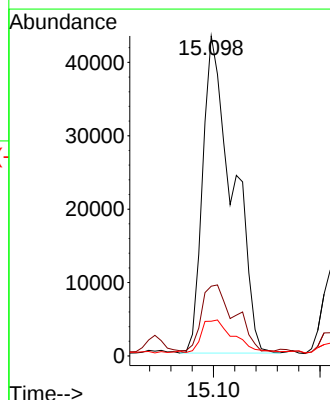
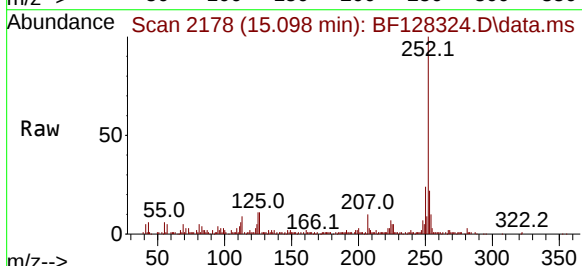
Tgt Ion:252 Resp: 84942

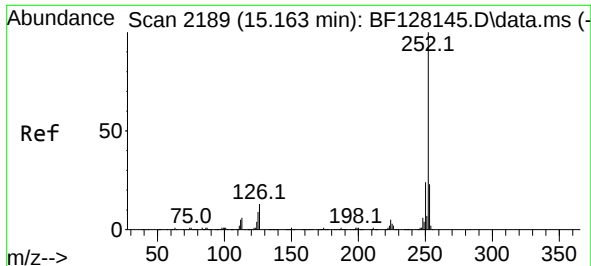
Ion Ratio Lower Upper

252 100

253 21.8 17.4 26.2

125 10.8 7.4 11.2





#89

Benzo(k)fluoranthene

Concen: 7.105 ng

RT: 15.098 min Scan# 2189

Delta R.T. -0.035 min

Lab File: BF128324.D

Acq: 18 May 2022 21:24

Instrument :

BNA_F

ClientSampleId :

BI-2

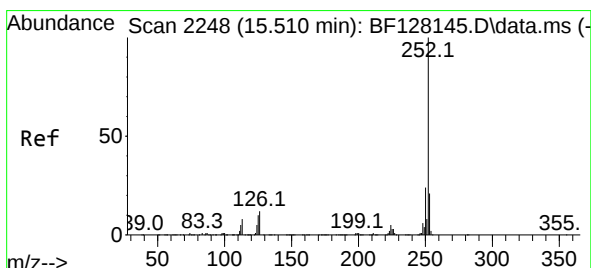
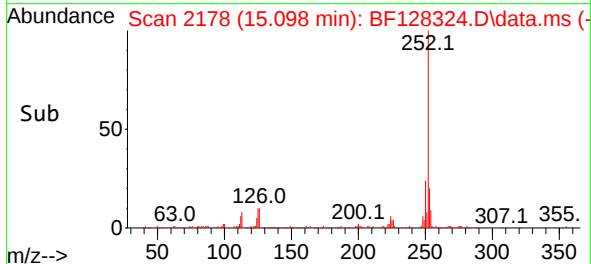
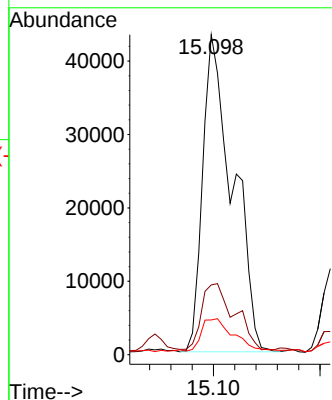
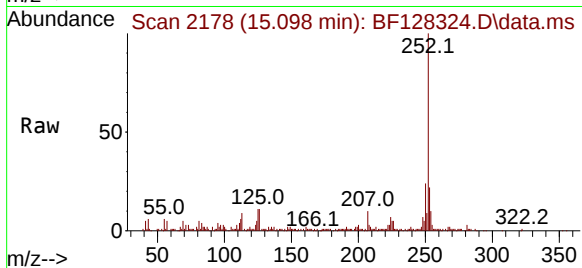
Tgt Ion:252 Resp: 84942

Ion Ratio Lower Upper

252 100

253 21.8 17.0 25.4

125 10.8 6.8 10.2#



#90

Benzo(a)pyrene

Concen: 4.867 ng

RT: 15.474 min Scan# 2242

Delta R.T. -0.006 min

Lab File: BF128324.D

Acq: 18 May 2022 21:24

Tgt Ion:252 Resp: 47594

Ion Ratio Lower Upper

252 100

253 25.3 17.8 26.6

125 12.5 9.2 13.8

