

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051523\
 Data File : BF133393.D
 Acq On : 15 May 2023 20:26
 Operator : CG\JU
 Sample : 02784-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BU-03-051223

Quant Time: May 16 03:15:12 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 11 16:40:17 2023
 Response via : Initial Calibration

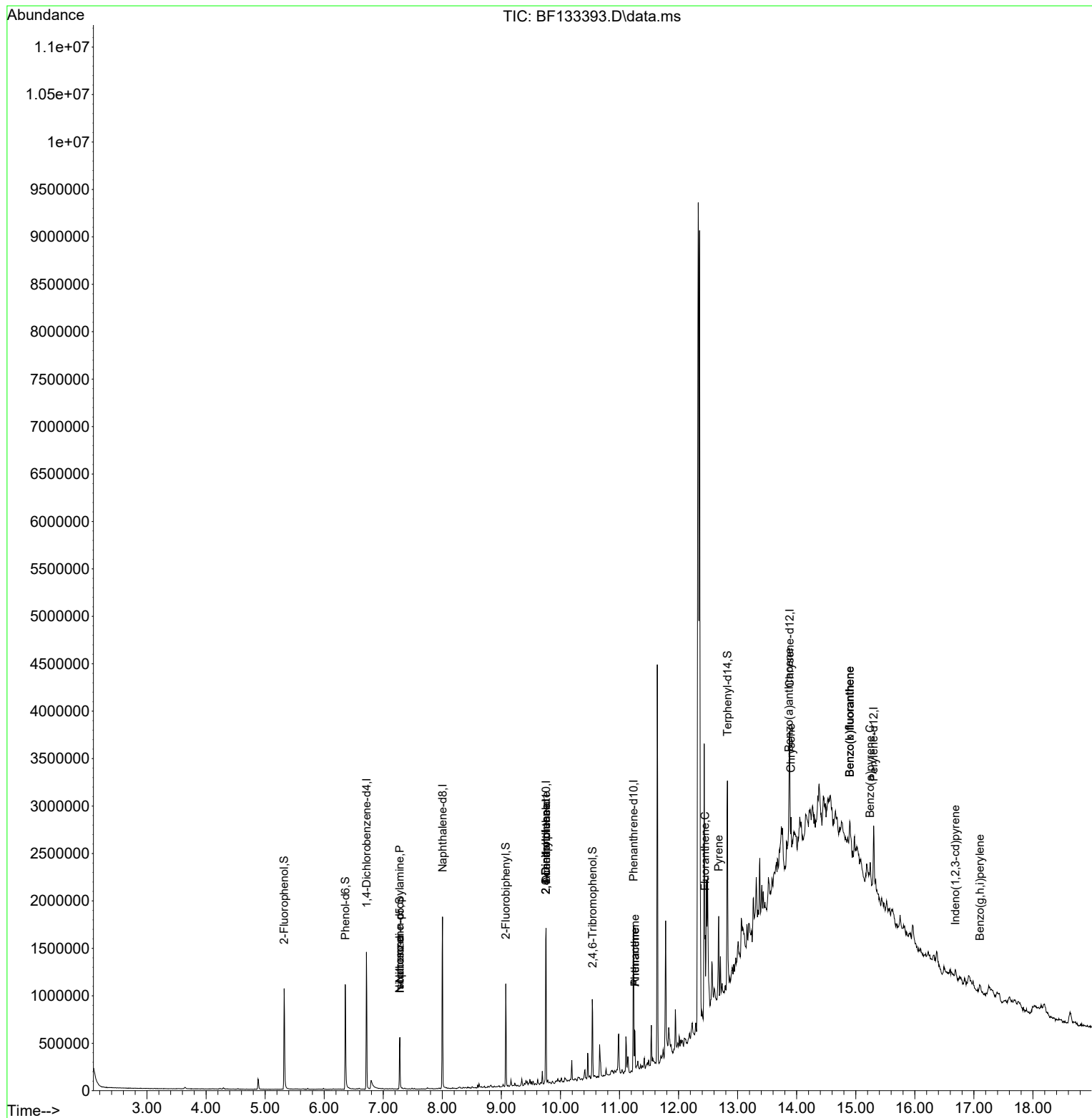
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.716	152	201636	20.000	ng	0.00
21) Naphthalene-d8	8.004	136	752317	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	335843	20.000	ng	0.00
64) Phenanthrene-d10	11.239	188	570444	20.000	ng	0.00
76) Chrysene-d12	13.880	240	417660	20.000	ng	0.00
86) Perylene-d12	15.304	264	336321	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.322	112	316756	23.731	ng	0.00
7) Phenol-d6	6.357	99	356534	21.520	ng	-0.01
23) Nitrobenzene-d5	7.281	82	167387	12.010	ng	-0.01
42) 2,4,6-Tribromophenol	10.545	330	99037	29.322	ng	0.00
45) 2-Fluorobiphenyl	9.075	172	292753	14.583	ng	-0.01
79) Terphenyl-d14	12.827	244	790782	32.654	ng	0.00
Target Compounds						
9) Benzaldehyde	6.269	77	771	Below Cal		Qvalue 94
19) n-Nitroso-di-n-propyla...	7.281	70	21674	2.101 ng	#	77
25) Isophorone	7.281	82	167314	6.323 ng	#	63
50) Dimethylphthalate	9.757	163	68548	2.927 ng	#	1
51) 2,6-Dinitrotoluene	9.751	165	43647	8.281 ng	#	25
57) 2,4-Dinitrotoluene	9.751	165	43647	6.494 ng	#	24
71) Phenanthrene	11.263	178	161291	5.261 ng		100
72) Anthracene	11.263	178	161291	5.140 ng		99
75) Fluoranthene	12.451	202	315555	10.255 ng		98
78) Pyrene	12.680	202	335316	9.366 ng		98
81) Benzo(a)anthracene	13.868	228	142611	4.965 ng		96
83) Chrysene	13.904	228	148292	5.164 ng		96
87) Indeno(1,2,3-cd)pyrene	16.686	276	56568	2.957 ng		97
88) Benzo(b)fluoranthene	14.898	252	189469	8.855 ng	#	65
89) Benzo(k)fluoranthene	14.898	252	189469	8.933 ng	#	65
90) Benzo(a)pyrene	15.245	252	95414	4.899 ng	#	66
92) Benzo(g,h,i)perylene	17.104	276	60121	3.817 ng	#	90

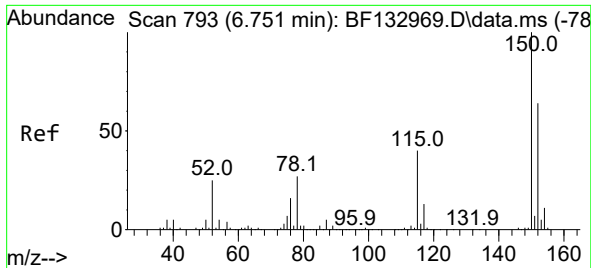
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051523\
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Quant Time: May 16 03:15:12 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 11 16:40:17 2023
Response via : Initial Calibration

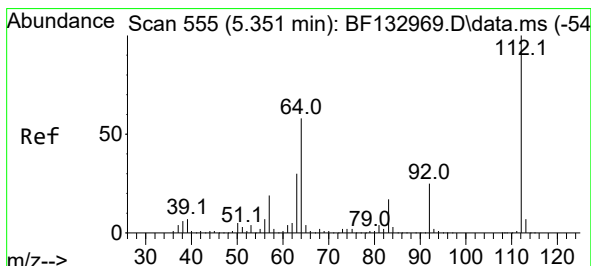
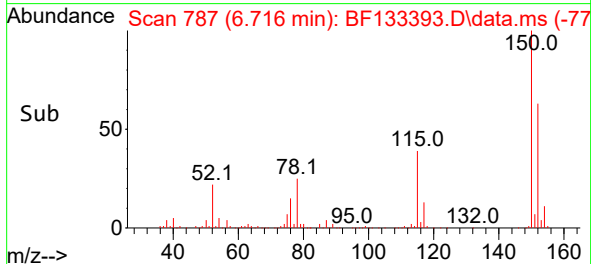
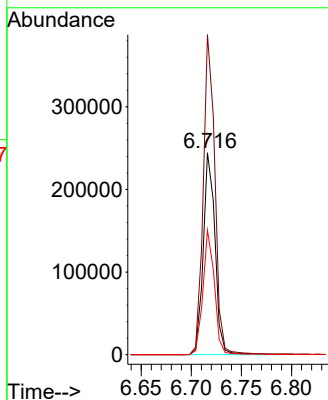
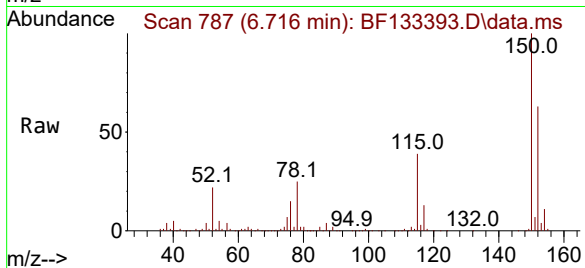




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.716 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133393.D
Acq: 15 May 2023 20:26

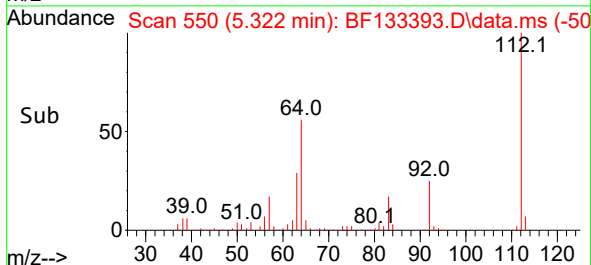
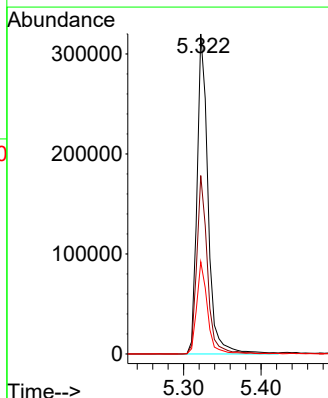
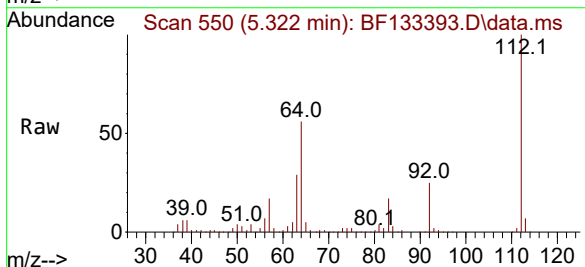
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BNA_F
ClientSampleId :
BU-03-051223

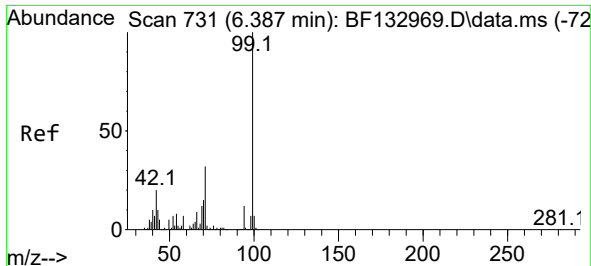
Tgt Ion:152 Resp: 201636
Ion Ratio Lower Upper
152 100
150 158.5 124.8 187.2
115 61.7 49.9 74.9



#5
2-Fluorophenol
Concen: 23.731 ng
RT: 5.322 min Scan# 550
Delta R.T. -0.006 min
Lab File: BF133393.D
Acq: 15 May 2023 20:26

Tgt Ion:112 Resp: 316756
Ion Ratio Lower Upper
112 100
64 55.8 46.8 70.2
63 28.8 23.8 35.8

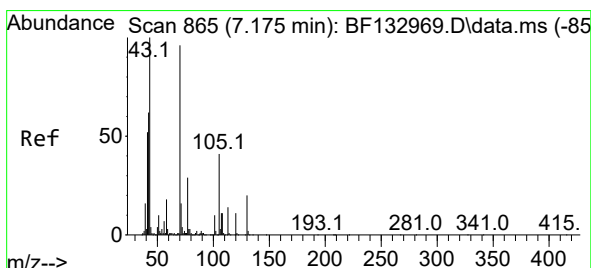
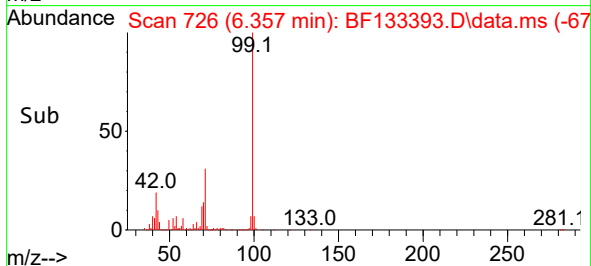
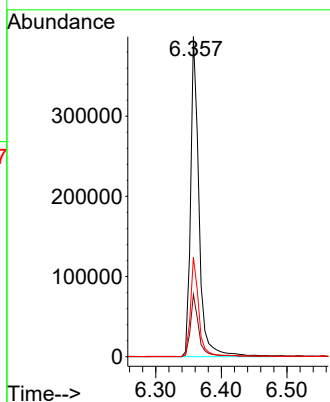
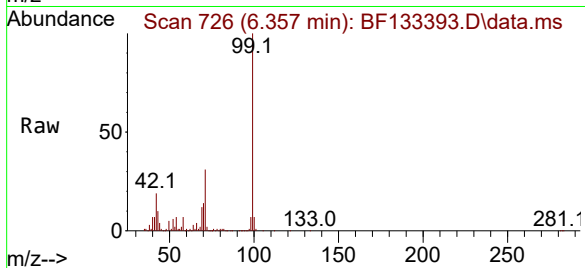




#7
Phenol-d6
Concen: 21.520 ng
RT: 6.357 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF133393.D
Acq: 15 May 2023 20:26

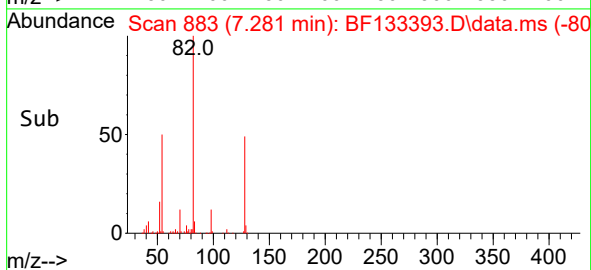
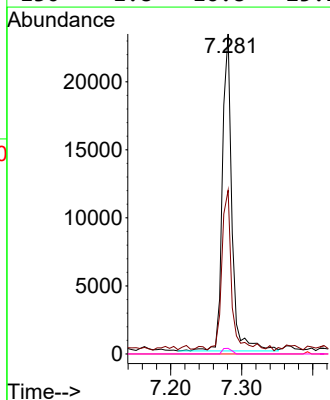
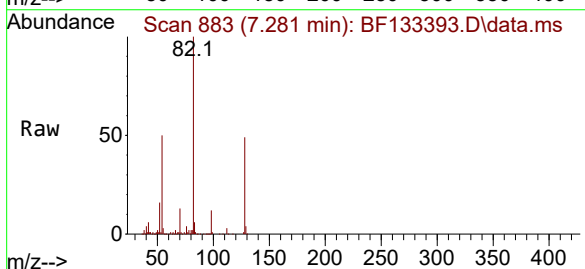
Instrument :
BNA_F
ClientSampleId :
BU-03-051223

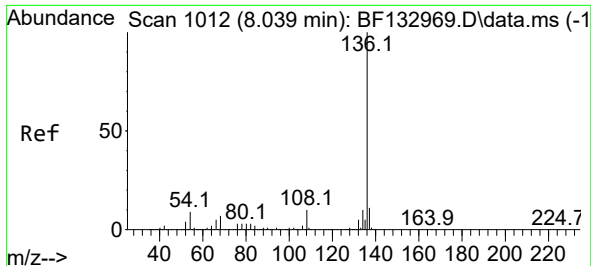
Tgt Ion: 99 Resp: 356534
Ion Ratio Lower Upper
99 100
42 19.4 16.3 24.5
71 31.0 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 2.101 ng
RT: 7.281 min Scan# 883
Delta R.T. 0.135 min
Lab File: BF133393.D
Acq: 15 May 2023 20:26

Tgt Ion: 70 Resp: 21674
Ion Ratio Lower Upper
70 100
42 51.1 51.8 77.6#
101 0.0 8.0 12.0#
130 1.8 16.8 25.2#





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.004 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF133393.D
Acq: 15 May 2023 20:26

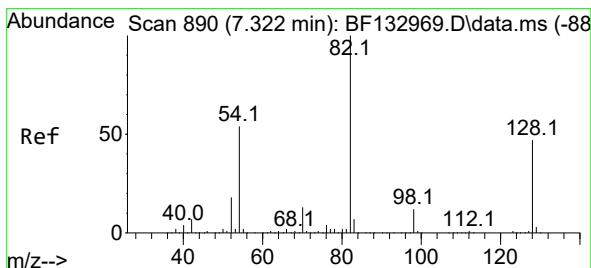
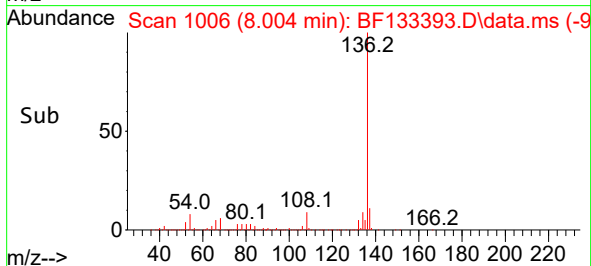
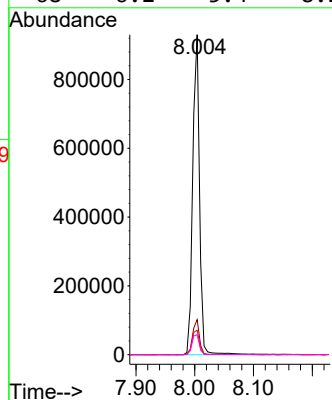
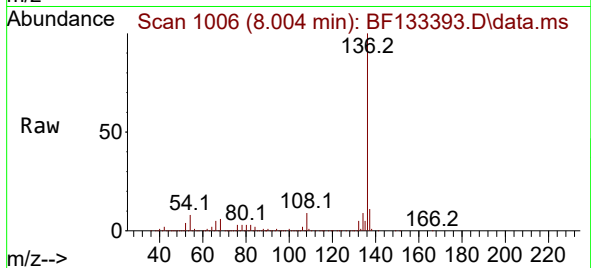
Instrument :

BNA_F

ClientSampleId :

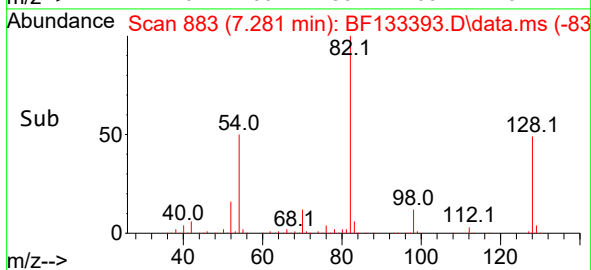
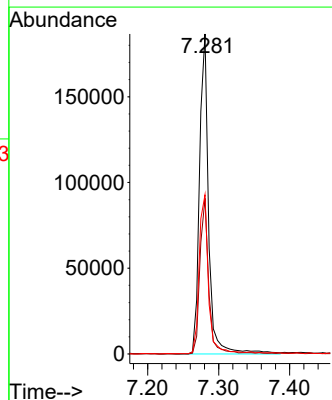
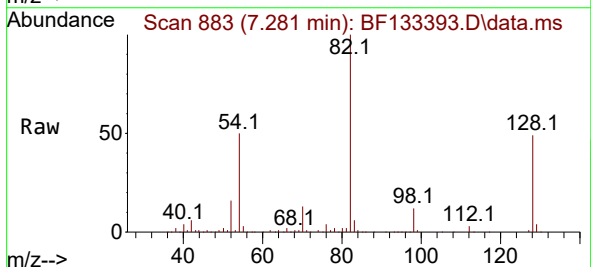
BU-03-051223

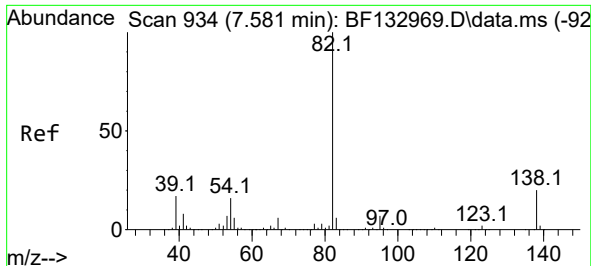
Tgt Ion:136 Resp: 752317
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 7.6 7.0 10.4
68 6.2 5.4 8.2



#23
Nitrobenzene-d5
Concen: 12.010 ng
RT: 7.281 min Scan# 883
Delta R.T. -0.012 min
Lab File: BF133393.D
Acq: 15 May 2023 20:26

Tgt Ion: 82 Resp: 167387
Ion Ratio Lower Upper
82 100
128 48.7 37.7 56.5
54 49.8 43.0 64.4

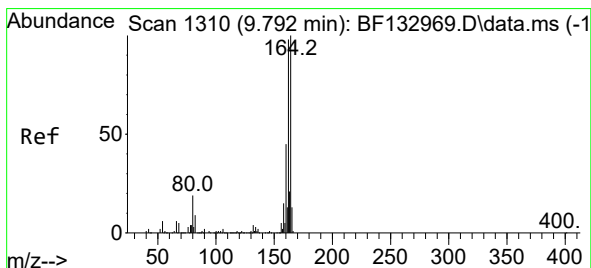
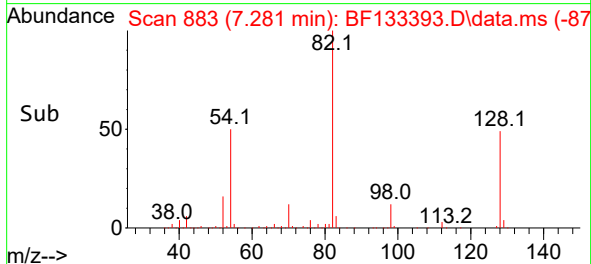
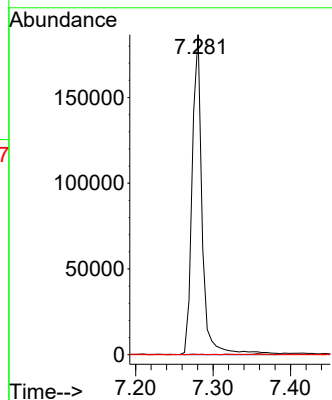
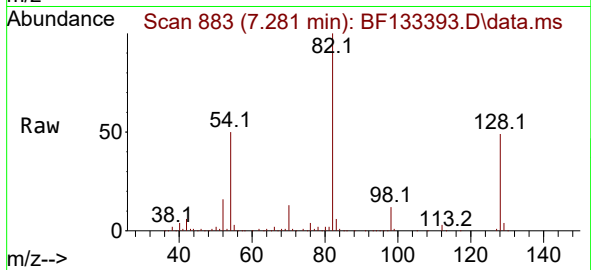




#25
Isophorone
Concen: 6.323 ng
RT: 7.281 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF133393.D
Acq: 15 May 2023 20:26

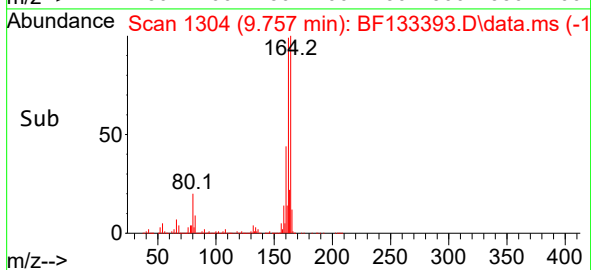
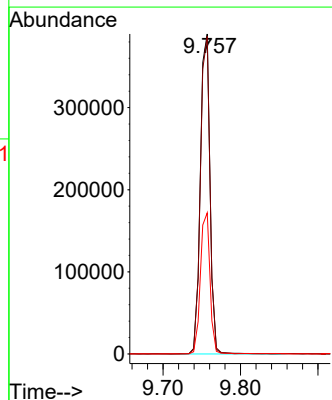
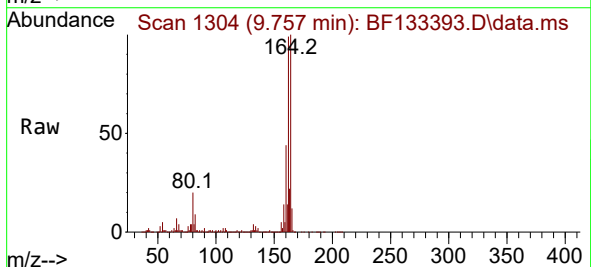
Instrument :
BNA_F
ClientSampleId :
BU-03-051223

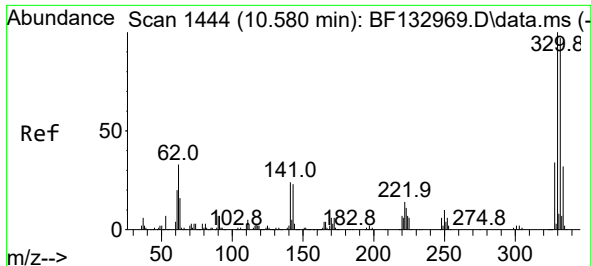
Tgt Ion: 82 Resp: 167314
Ion Ratio Lower Upper
82 100
95 0.1 5.4 8.0#
138 0.0 16.0 24.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.757 min Scan# 1304
Delta R.T. 0.000 min
Lab File: BF133393.D
Acq: 15 May 2023 20:26

Tgt Ion:164 Resp: 335843
Ion Ratio Lower Upper
164 100
162 99.2 78.7 118.1
160 44.1 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 29.322 ng

RT: 10.545 min Scan# 1444

Delta R.T. -0.006 min

Lab File: BF133393.D

Acq: 15 May 2023 20:26

Instrument :

BNA_F

ClientSampleId :

BU-03-051223

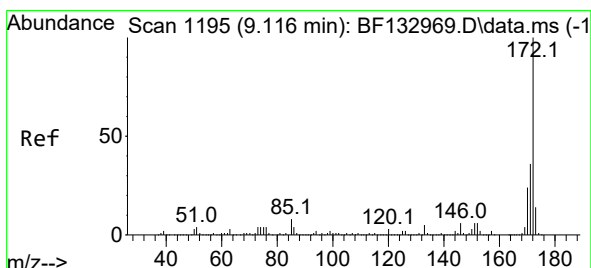
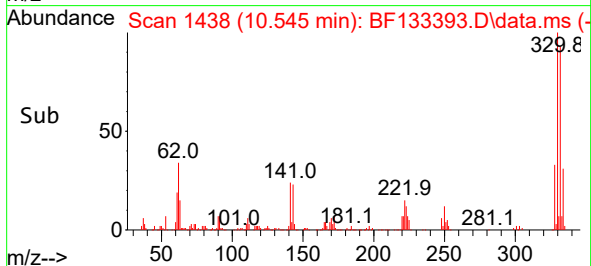
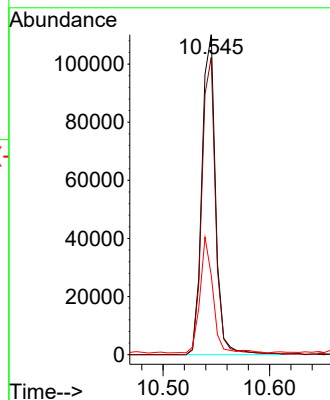
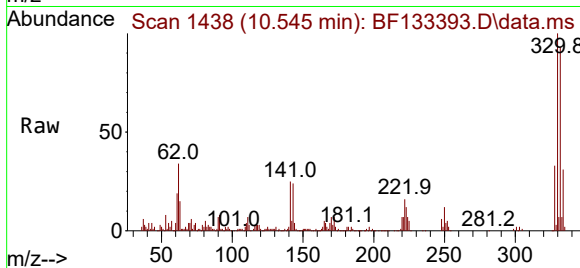
Tgt Ion:330 Resp: 99037

Ion Ratio Lower Upper

330 100

332 93.2 77.1 115.7

141 32.8 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 14.583 ng

RT: 9.075 min Scan# 1188

Delta R.T. -0.012 min

Lab File: BF133393.D

Acq: 15 May 2023 20:26

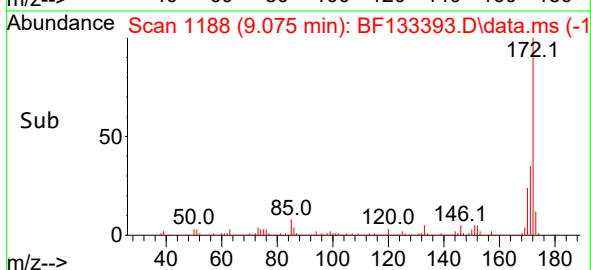
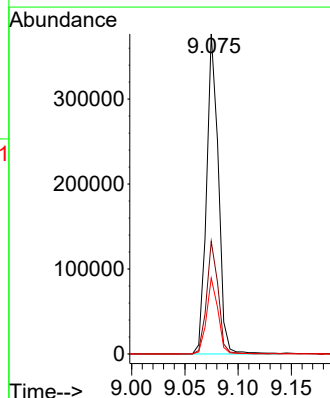
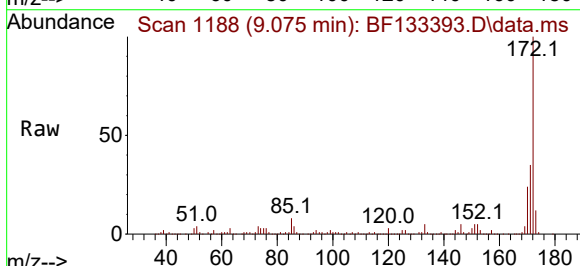
Tgt Ion:172 Resp: 292753

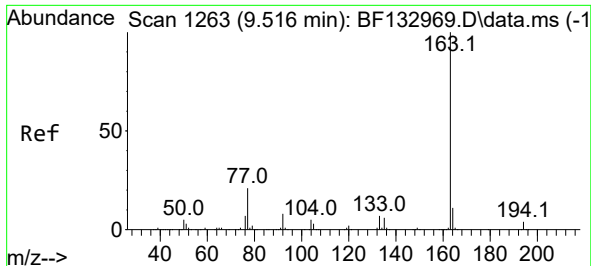
Ion Ratio Lower Upper

172 100

171 35.2 28.8 43.2

170 23.7 19.4 29.2

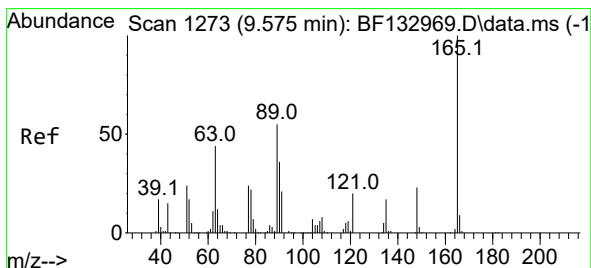
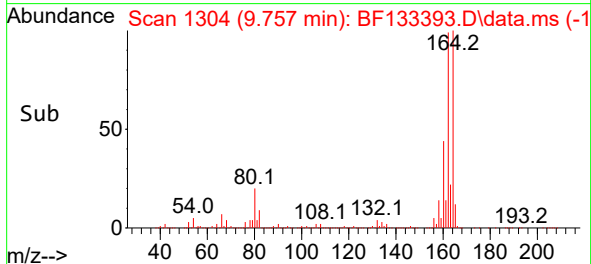
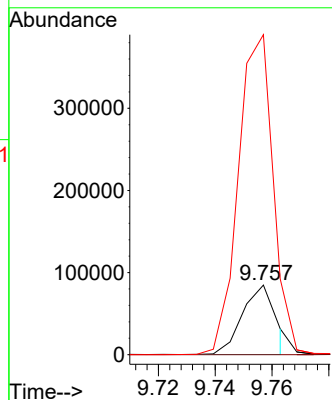
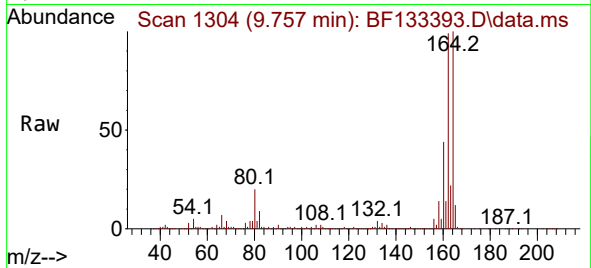




#50
Dimethylphthalate
Concen: 2.927 ng
RT: 9.757 min Scan# 11
Delta R.T. 0.271 min
Lab File: BF133393.D
Acq: 15 May 2023 20:26

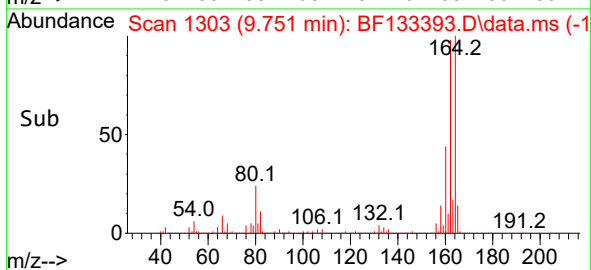
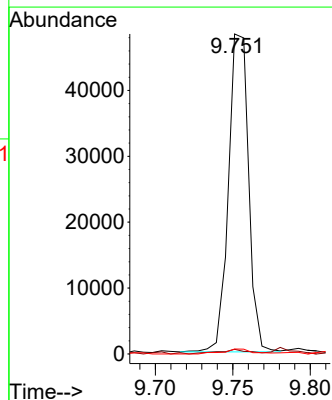
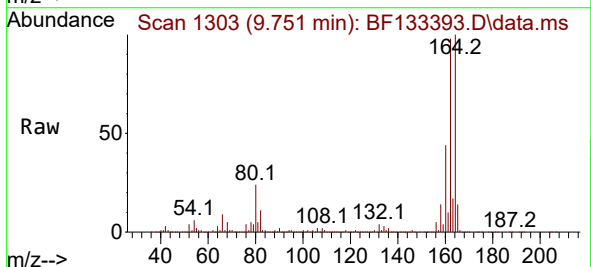
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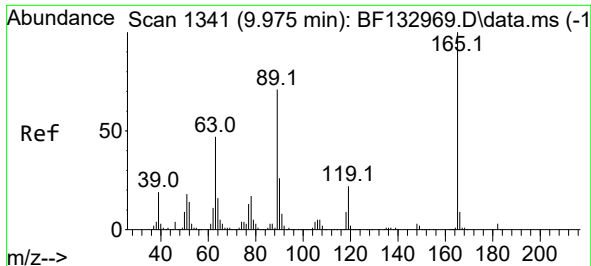
Tgt Ion:163 Resp: 68548
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 459.6 8.5 12.7#



#51
2,6-Dinitrotoluene
Concen: 8.281 ng
RT: 9.751 min Scan# 1303
Delta R.T. 0.206 min
Lab File: BF133393.D
Acq: 15 May 2023 20:26

Tgt Ion:165 Resp: 43647
Ion Ratio Lower Upper
165 100
63 1.5 45.9 68.9#
89 1.6 44.0 66.0#

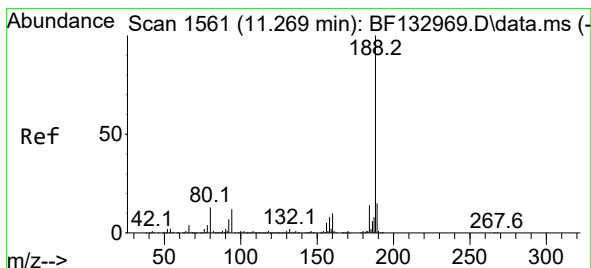
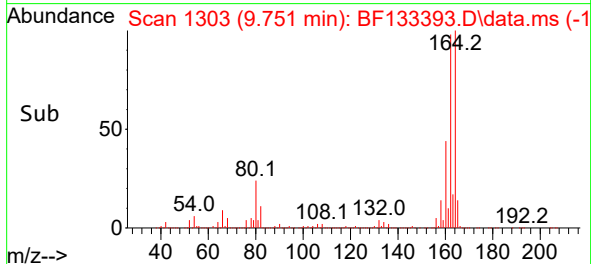
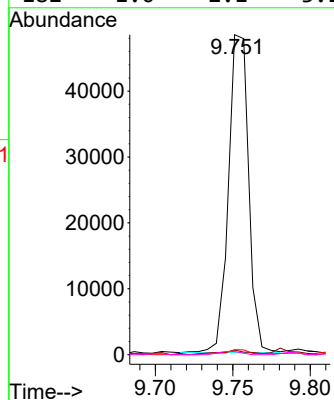
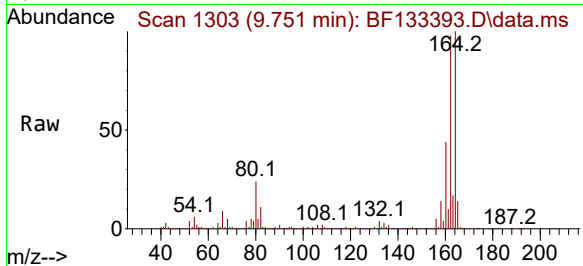




#57
2,4-Dinitrotoluene
Concen: 6.494 ng
RT: 9.751 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF133393.D
Acq: 15 May 2023 20:26

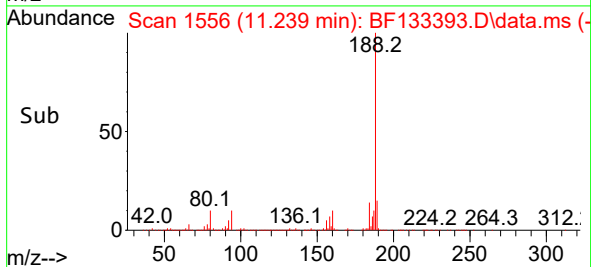
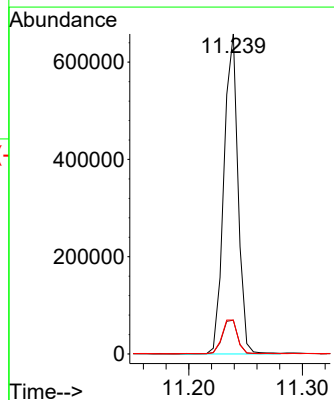
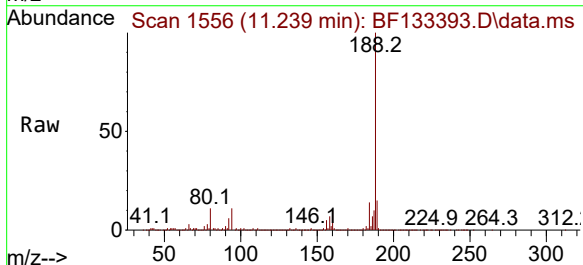
Instrument :
BNA_F
ClientSampleId :
BU-03-051223

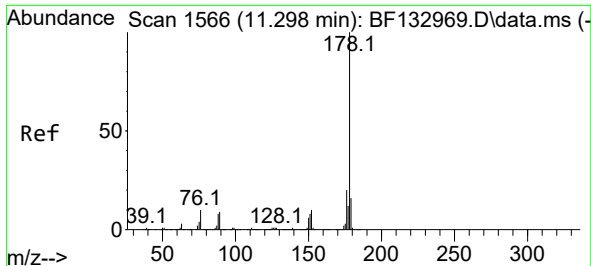
Tgt Ion:165 Resp: 43647
Ion Ratio Lower Upper
165 100
63 1.5 37.7 56.5#
89 1.6 57.0 85.4#
182 1.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.239 min Scan# 1556
Delta R.T. 0.000 min
Lab File: BF133393.D
Acq: 15 May 2023 20:26

Tgt Ion:188 Resp: 570444
Ion Ratio Lower Upper
188 100
94 10.6 9.7 14.5
80 10.6 10.4 15.6

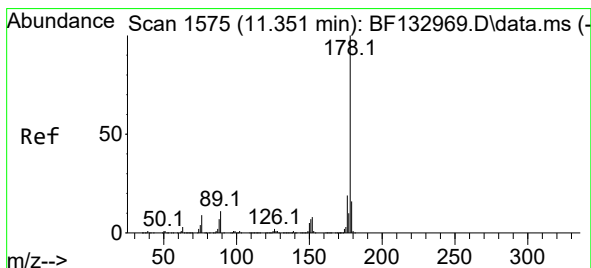
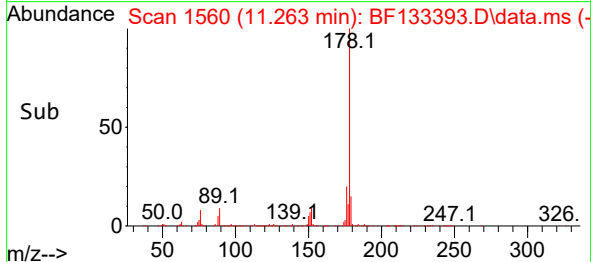
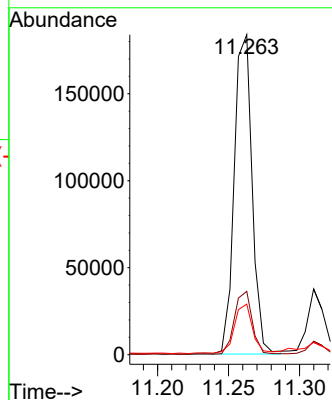
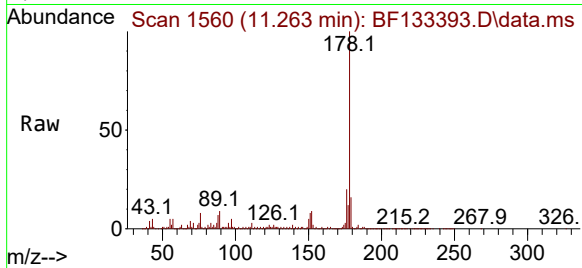




#71
Phenanthrene
Concen: 5.261 ng
RT: 11.263 min Scan# 1560
Delta R.T. -0.006 min
Lab File: BF133393.D
Acq: 15 May 2023 20:26

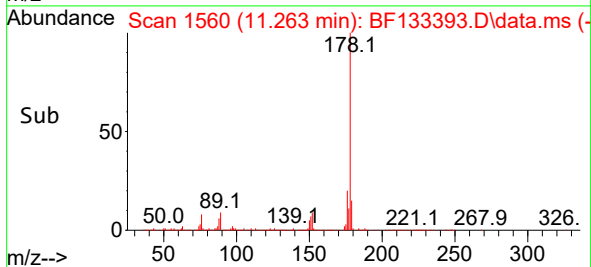
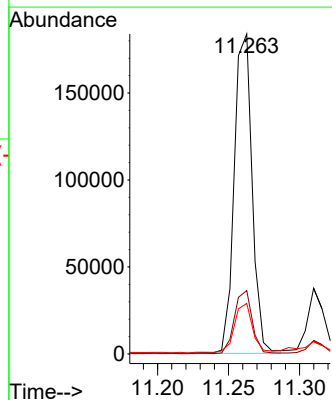
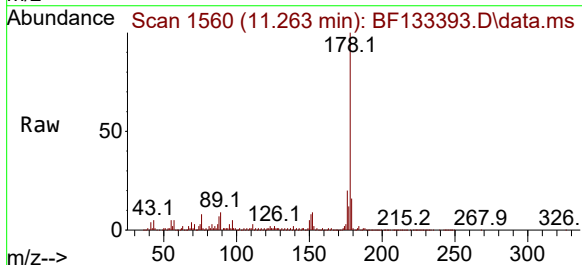
Instrument :
BNA_F
ClientSampleId :
BU-03-051223

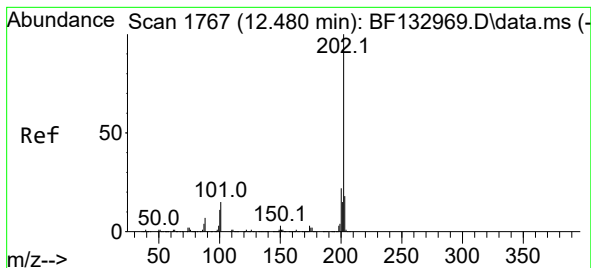
Tgt Ion:178 Resp: 161291
Ion Ratio Lower Upper
178 100
176 19.8 15.9 23.9
179 15.8 12.5 18.7



#72
Anthracene
Concen: 5.140 ng
RT: 11.263 min Scan# 1560
Delta R.T. -0.053 min
Lab File: BF133393.D
Acq: 15 May 2023 20:26

Tgt Ion:178 Resp: 161291
Ion Ratio Lower Upper
178 100
176 19.8 15.4 23.0
179 15.8 12.4 18.6





#75

Fluoranthene

Concen: 10.255 ng

RT: 12.451 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF133393.D

Acq: 15 May 2023 20:26

Instrument :

BNA_F

ClientSampleId :

BU-03-051223

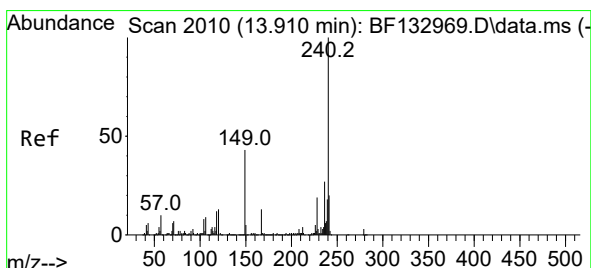
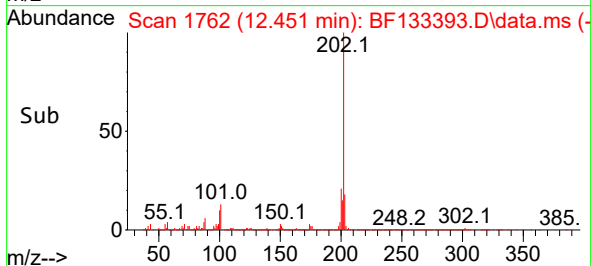
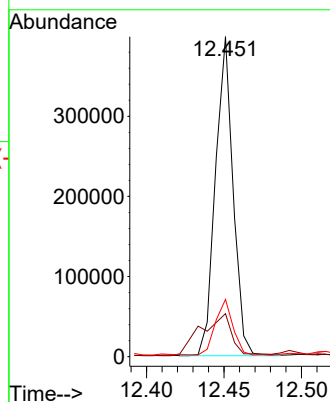
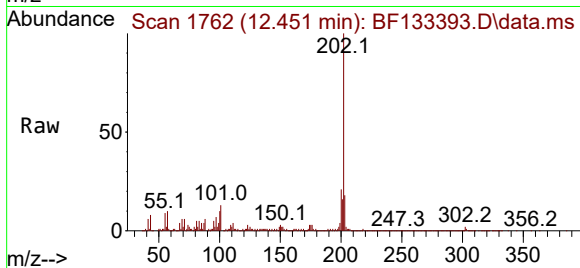
Tgt Ion:202 Resp: 315555

Ion Ratio Lower Upper

202 100

101 13.4 0.0 35.3

203 17.9 0.0 38.1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.880 min Scan# 2005

Delta R.T. 0.000 min

Lab File: BF133393.D

Acq: 15 May 2023 20:26

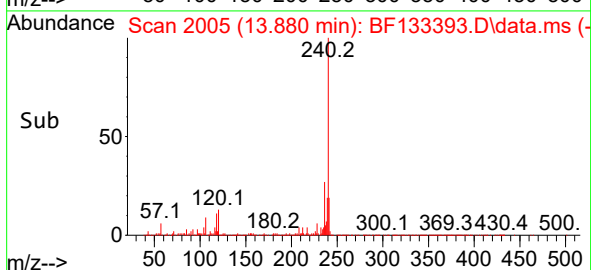
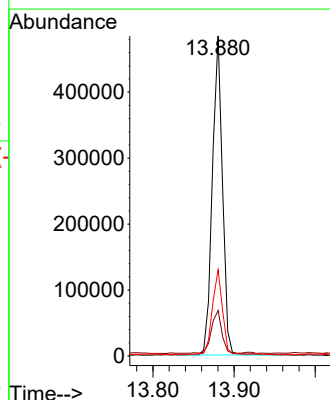
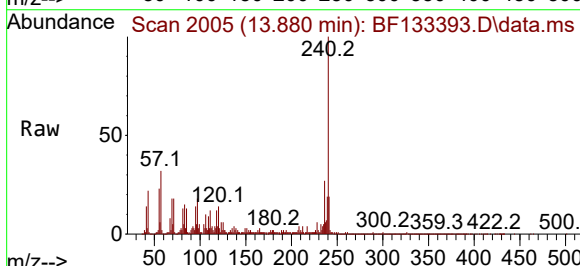
Tgt Ion:240 Resp: 417660

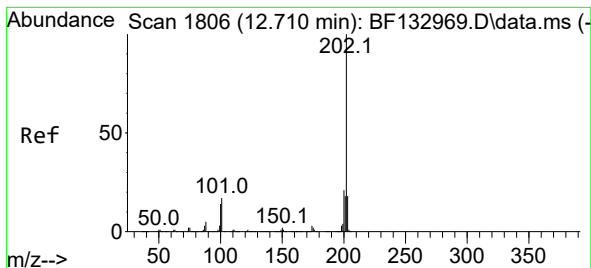
Ion Ratio Lower Upper

240 100

120 14.2 10.5 15.7

236 26.9 21.5 32.3





#78

Pyrene

Concen: 9.366 ng

RT: 12.680 min Scan# 1801

Delta R.T. 0.000 min

Lab File: BF133393.D

Acq: 15 May 2023 20:26

Instrument :

BNA_F

ClientSampleId :

BU-03-051223

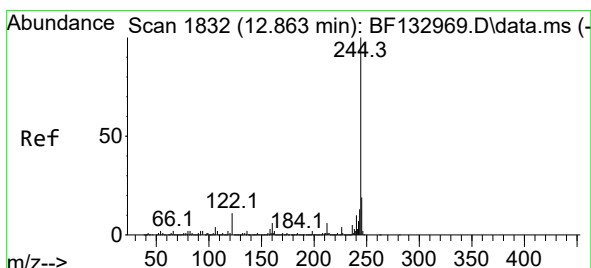
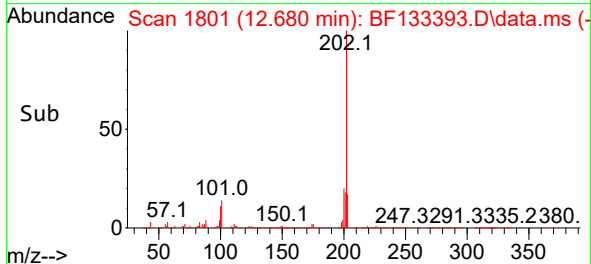
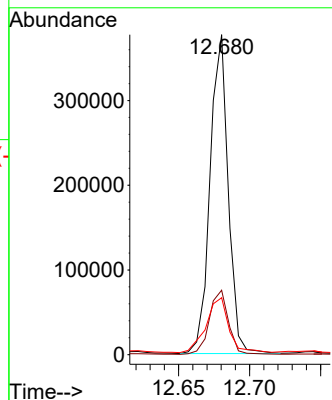
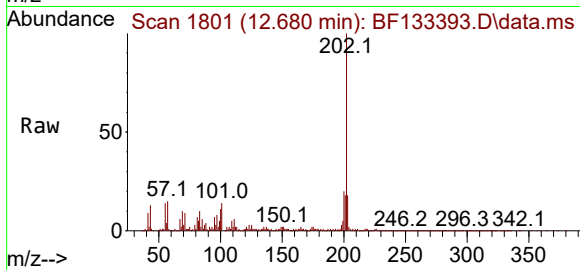
Tgt Ion:202 Resp: 335316

Ion Ratio Lower Upper

202 100

200 20.2 17.1 25.7

203 17.8 14.1 21.1



#79

Terphenyl-d14

Concen: 32.654 ng

RT: 12.827 min Scan# 1826

Delta R.T. 0.000 min

Lab File: BF133393.D

Acq: 15 May 2023 20:26

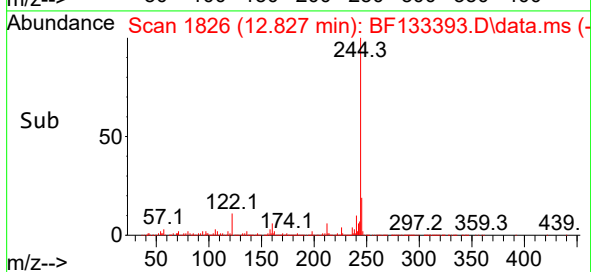
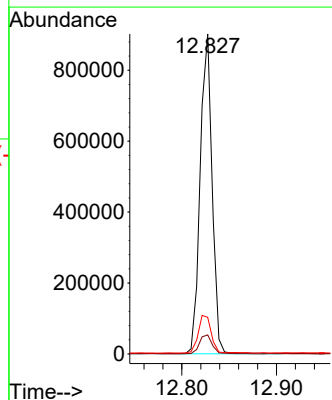
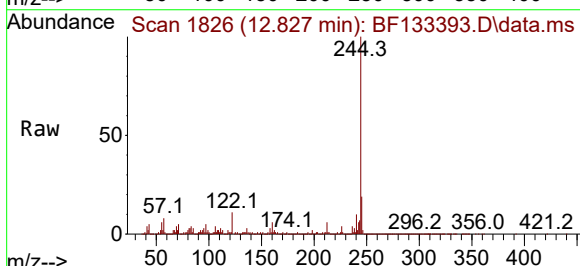
Tgt Ion:244 Resp: 790782

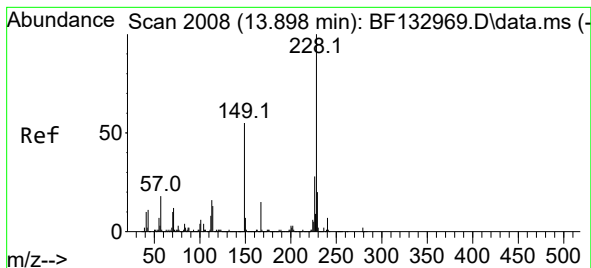
Ion Ratio Lower Upper

244 100

212 6.0 5.1 7.7

122 11.5 8.6 13.0





#81

Benzo(a)anthracene

Concen: 4.965 ng

RT: 13.868 min Scan# 2009

Delta R.T. 0.000 min

Lab File: BF133393.D

Acq: 15 May 2023 20:26

Instrument :

BNA_F

ClientSampleId :

BU-03-051223

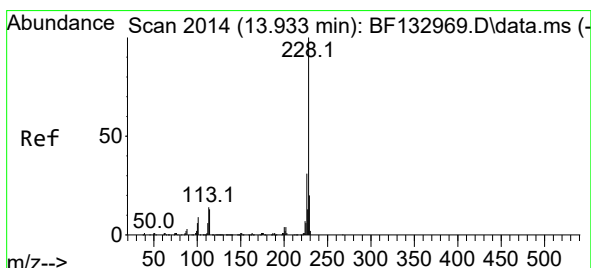
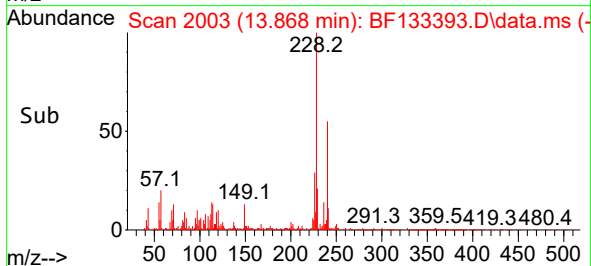
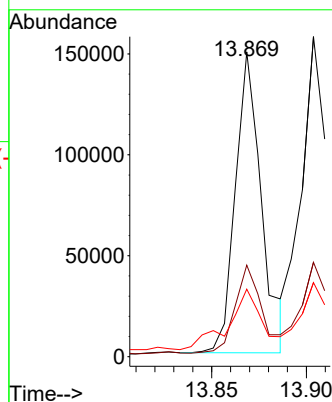
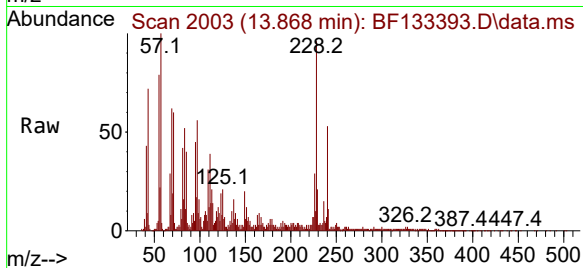
Tgt Ion:228 Resp: 142611

Ion Ratio Lower Upper

228 100

226 30.1 22.2 33.4

229 22.2 16.0 24.0



#83

Chrysene

Concen: 5.164 ng

RT: 13.904 min Scan# 2009

Delta R.T. 0.000 min

Lab File: BF133393.D

Acq: 15 May 2023 20:26

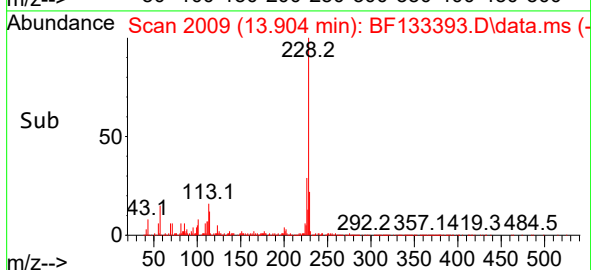
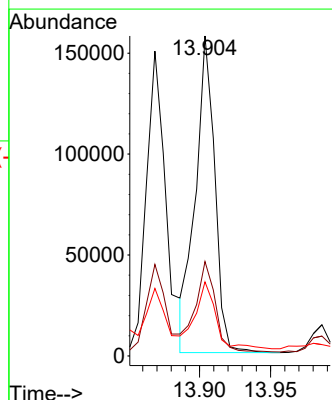
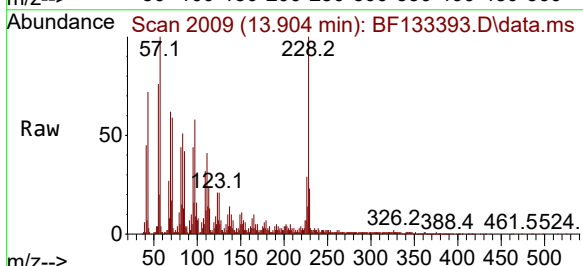
Tgt Ion:228 Resp: 148292

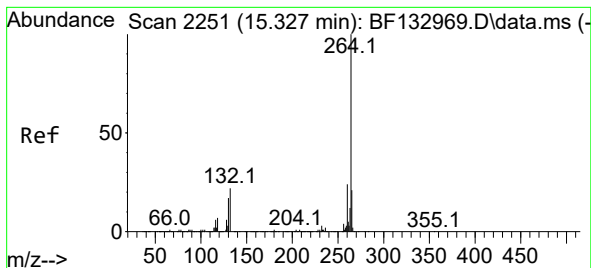
Ion Ratio Lower Upper

228 100

226 29.5 24.7 37.1

229 23.2 16.1 24.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.304 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF133393.D

Acq: 15 May 2023 20:26

Instrument :

BNA_F

ClientSampleId :

BU-03-051223

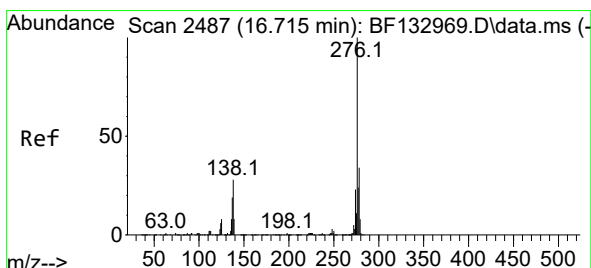
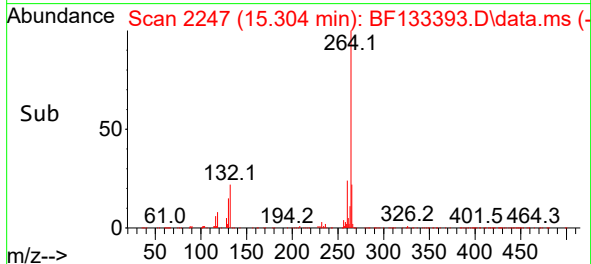
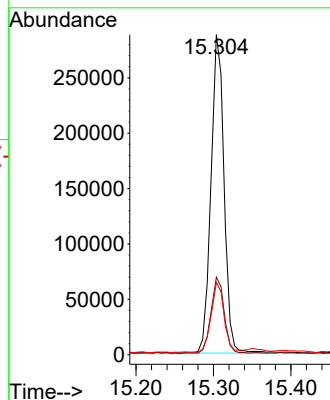
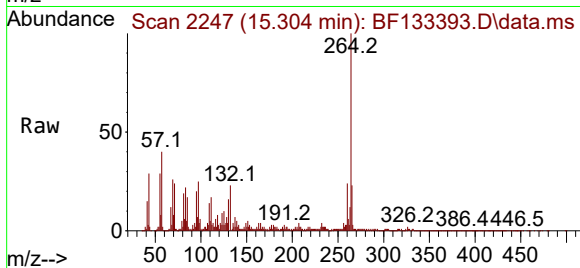
Tgt Ion:264 Resp: 336321

Ion Ratio Lower Upper

264 100

260 24.2 18.8 28.2

265 22.6 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.957 ng

RT: 16.686 min Scan# 2482

Delta R.T. 0.006 min

Lab File: BF133393.D

Acq: 15 May 2023 20:26

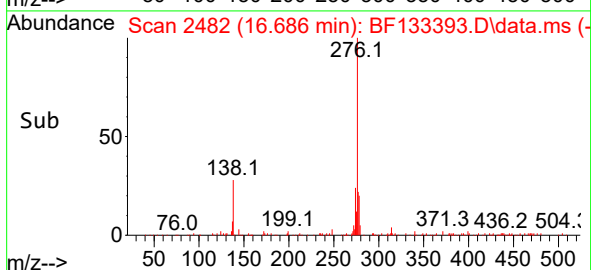
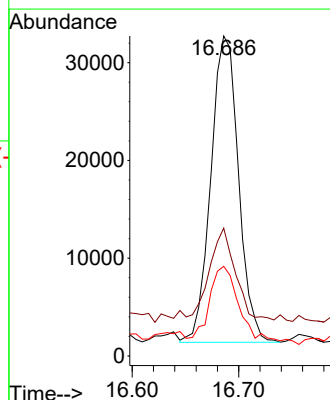
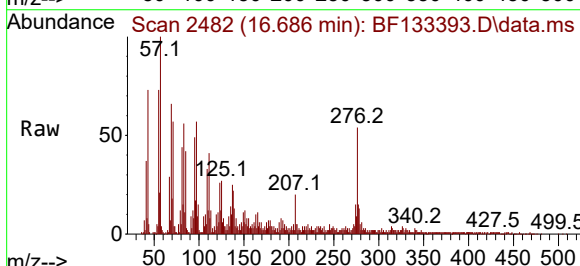
Tgt Ion:276 Resp: 56568

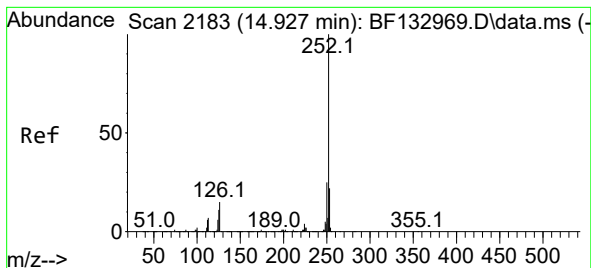
Ion Ratio Lower Upper

276 100

138 32.0 25.5 38.3

277 28.9 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 8.855 ng

RT: 14.898 min Scan# 2183

Delta R.T. 0.006 min

Lab File: BF133393.D

Acq: 15 May 2023 20:26

Instrument :

BNA_F

ClientSampleId :

BU-03-051223

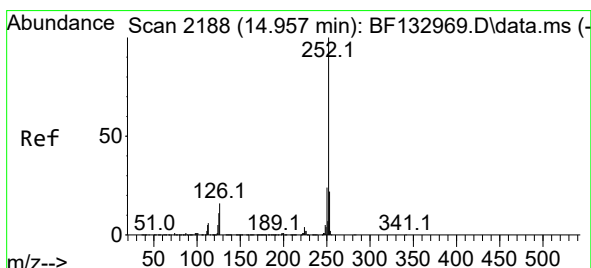
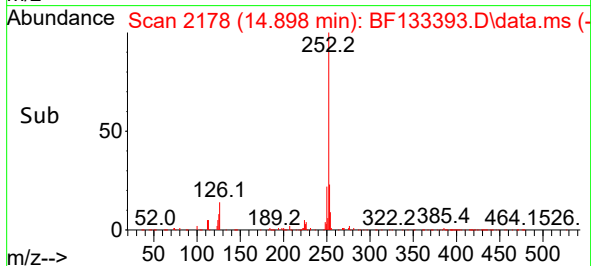
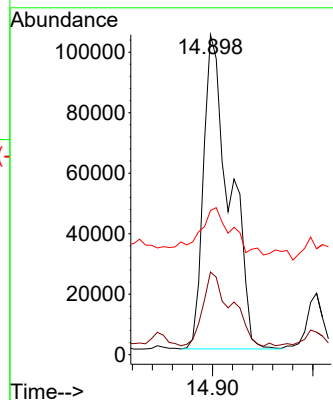
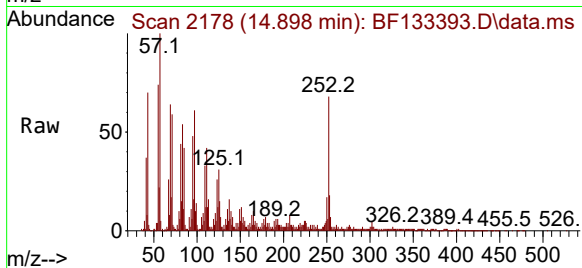
Tgt Ion:252 Resp: 189469

Ion Ratio Lower Upper

252 100

253 25.8 17.6 26.4

125 45.1 8.9 13.3#



#89

Benzo(k)fluoranthene

Concen: 8.933 ng

RT: 14.898 min Scan# 2178

Delta R.T. -0.023 min

Lab File: BF133393.D

Acq: 15 May 2023 20:26

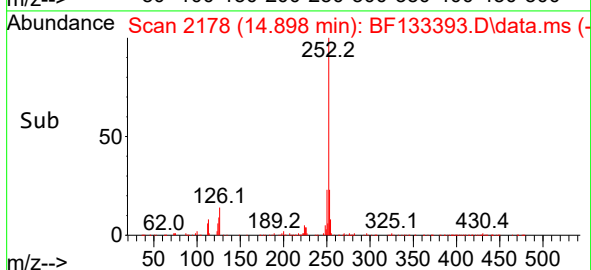
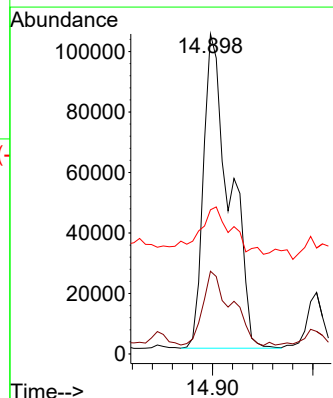
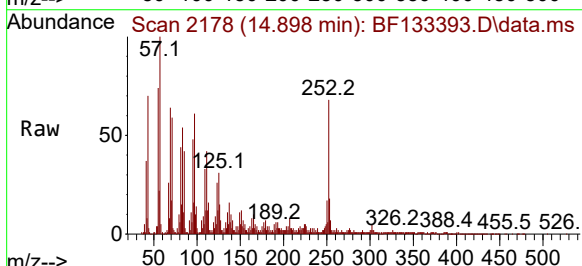
Tgt Ion:252 Resp: 189469

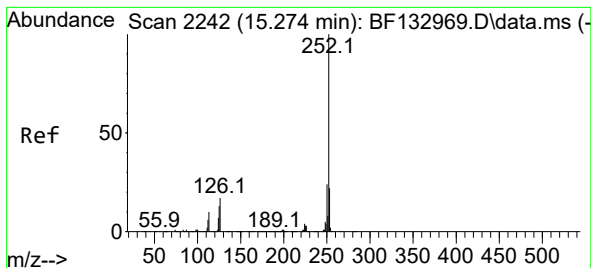
Ion Ratio Lower Upper

252 100

253 25.8 17.7 26.5

125 45.1 9.0 13.4#





#90

Benzo(a)pyrene

Concen: 4.899 ng

RT: 15.245 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF133393.D

Acq: 15 May 2023 20:26

Instrument :

BNA_F

ClientSampleId :

BU-03-051223

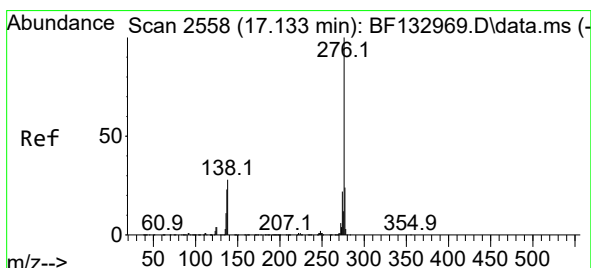
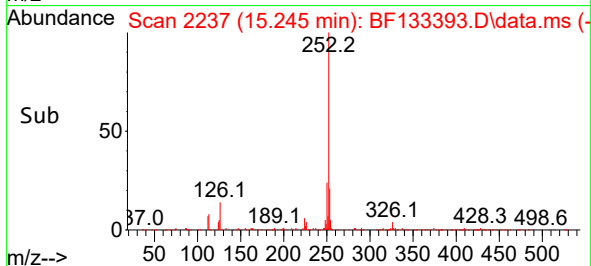
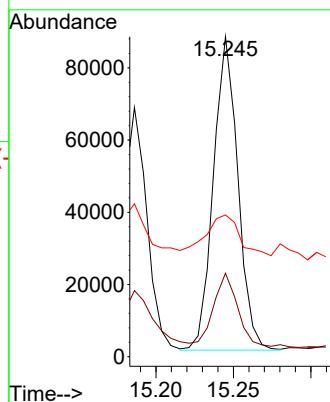
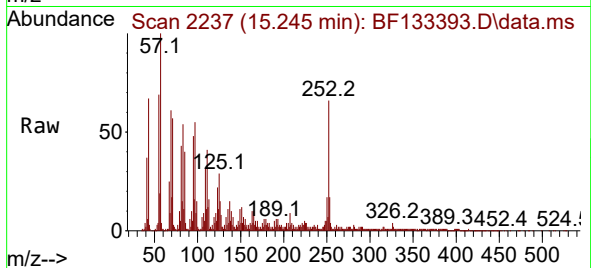
Tgt Ion:252 Resp: 95414

Ion Ratio Lower Upper

252 100

253 26.1 17.7 26.5

125 44.3 10.5 15.7#



#92

Benzo(g,h,i)perylene

Concen: 3.817 ng

RT: 17.104 min Scan# 2553

Delta R.T. 0.012 min

Lab File: BF133393.D

Acq: 15 May 2023 20:26

Tgt Ion:276 Resp: 60121

Ion Ratio Lower Upper

276 100

277 28.6 19.4 29.0

138 34.5 22.7 34.1#

