

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050923\
 Data File : BF133322.D
 Acq On : 09 May 2023 17:43
 Operator : CG\JU
 Sample : 02666-01 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BU-02-050823

Quant Time: May 10 01:48:52 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 09 04:59:36 2023
 Response via : Initial Calibration

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

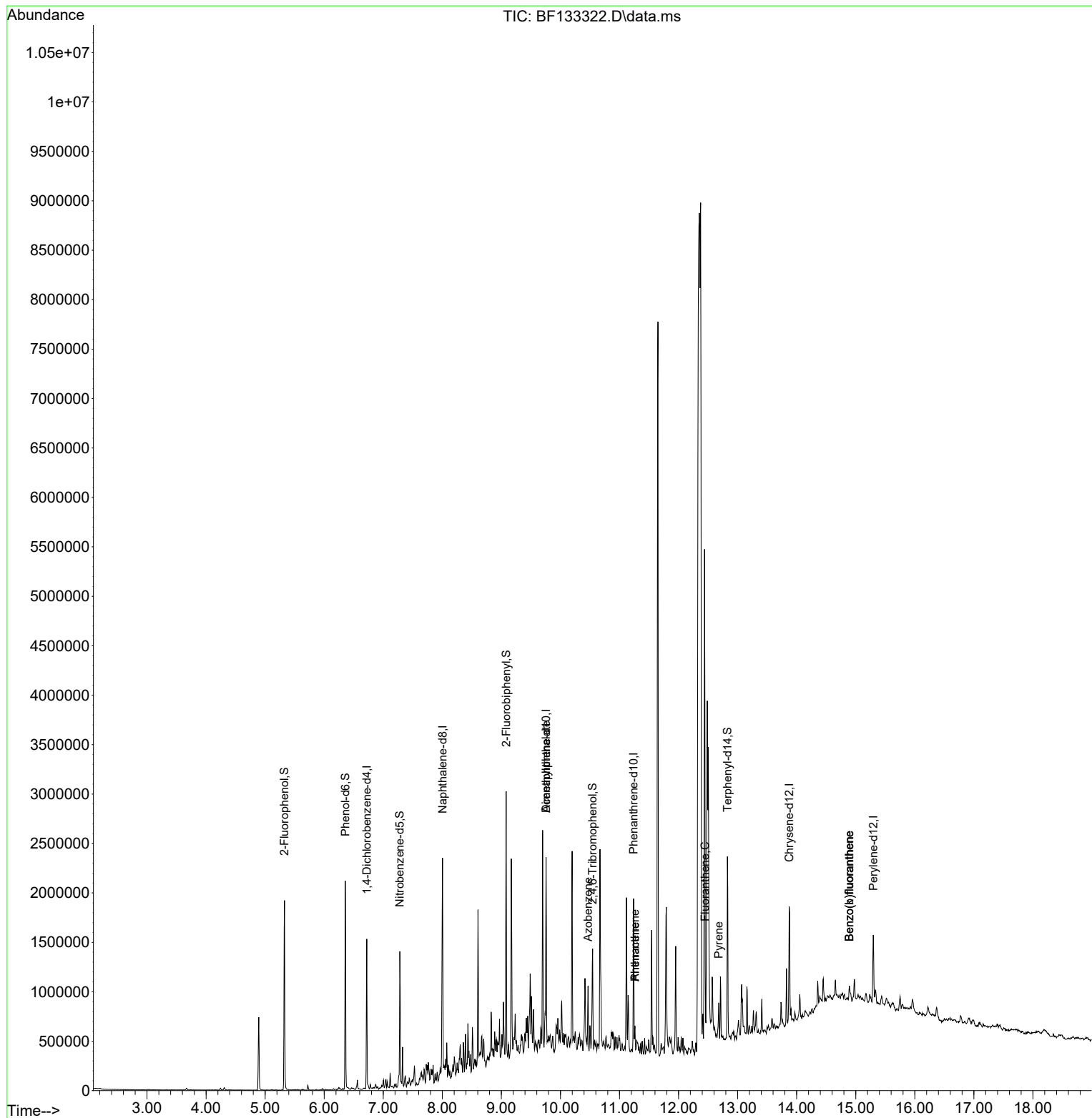
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.722	152	192222	20.000	ng	0.00
21) Naphthalene-d8	8.004	136	725642	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	337150	20.000	ng	0.00
64) Phenanthrene-d10	11.239	188	510880	20.000	ng	0.00
76) Chrysene-d12	13.874	240	391473	20.000	ng	0.00
86) Perylene-d12	15.298	264	303994	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.328	112	534359	41.994	ng	0.00
7) Phenol-d6	6.357	99	640800	40.572	ng	-0.01
23) Nitrobenzene-d5	7.281	82	375539	27.934	ng	-0.01
42) 2,4,6-Tribromophenol	10.545	330	112120	33.067	ng	0.00
45) 2-Fluorobiphenyl	9.081	172	697822	34.627	ng	0.00
79) Terphenyl-d14	12.827	244	617749	27.215	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.275	77	732	Below Cal	#	1
50) Dimethylphthalate	9.757	163	67004	2.850	ng	# 1
63) Azobenzene	10.469	77	71971	3.060	ng	# 1
71) Phenanthrene	11.263	178	77162	2.810	ng	97
72) Anthracene	11.263	178	77162	2.746	ng	98
75) Fluoranthene	12.451	202	117916	4.279	ng	97
78) Pyrene	12.680	202	123833	3.690	ng	99
88) Benzo(b)fluoranthene	14.892	252	76079	3.934	ng	# 76
89) Benzo(k)fluoranthene	14.892	252	76079	3.968	ng	# 76

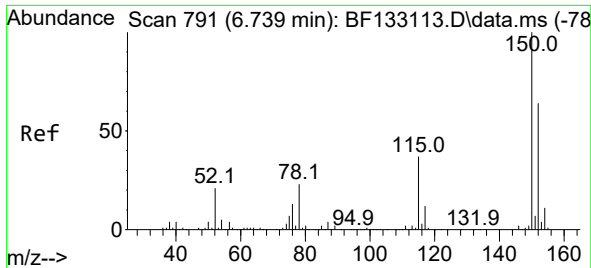
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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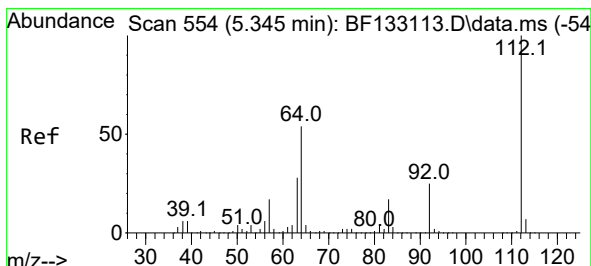
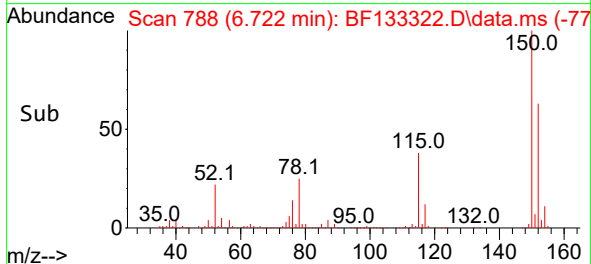
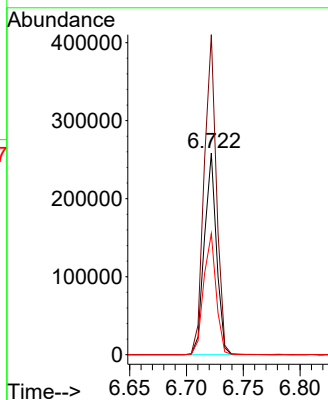
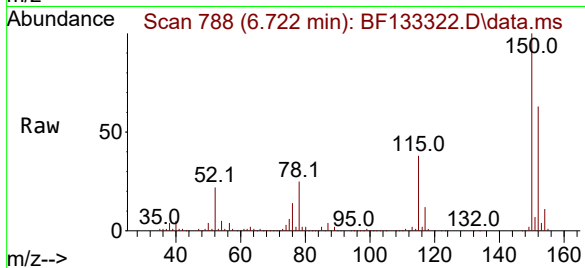




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.722 min Scan# 791
 Delta R.T. -0.000 min
 Lab File: BF133322.D
 Acq: 09 May 2023 17:43

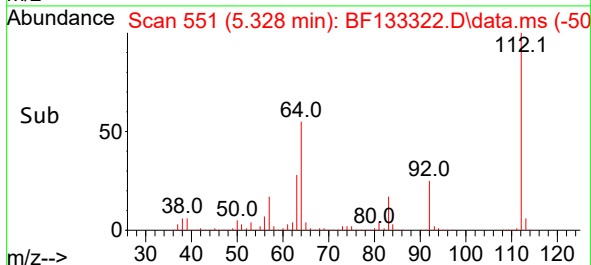
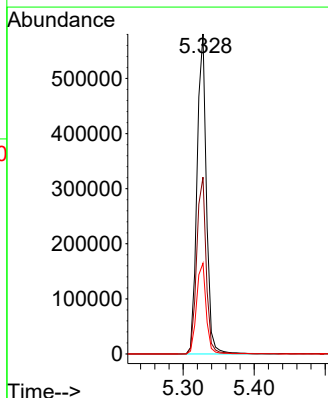
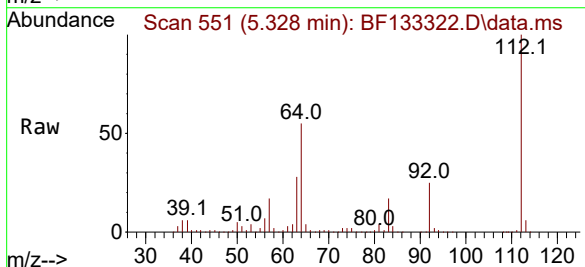
Instrument :
 BNA_F
 ClientSampleId :
 BU-02-050823

Tgt Ion:152 Resp: 192222
 Ion Ratio Lower Upper
 152 100
 150 158.8 124.8 187.2
 115 60.0 49.9 74.9



#5
 2-Fluorophenol
 Concen: 41.994 ng
 RT: 5.328 min Scan# 551
 Delta R.T. 0.000 min
 Lab File: BF133322.D
 Acq: 09 May 2023 17:43

Tgt Ion:112 Resp: 534359
 Ion Ratio Lower Upper
 112 100
 64 55.2 46.8 70.2
 63 28.4 23.8 35.8

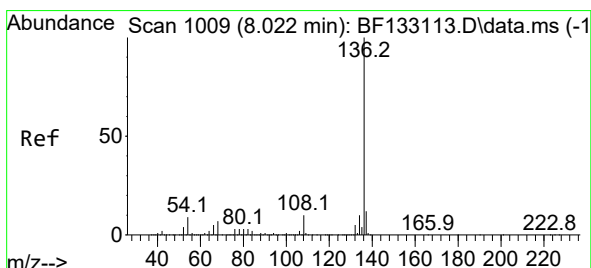
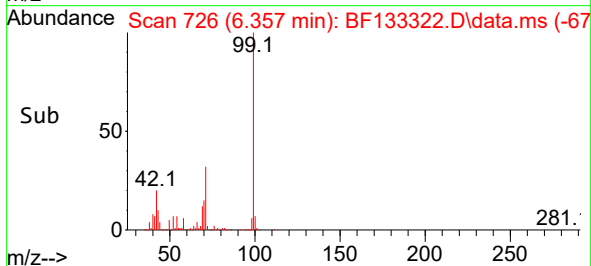
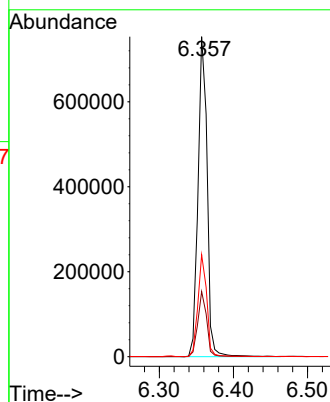
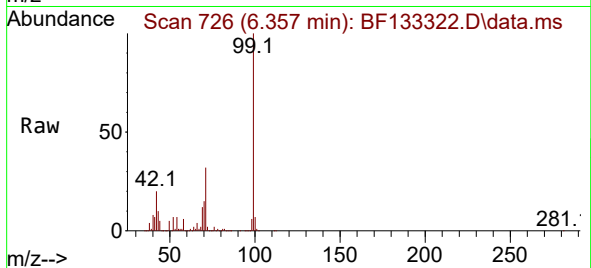




#7
Phenol-d6
Concen: 40.572 ng
RT: 6.357 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF133322.D
Acq: 09 May 2023 17:43

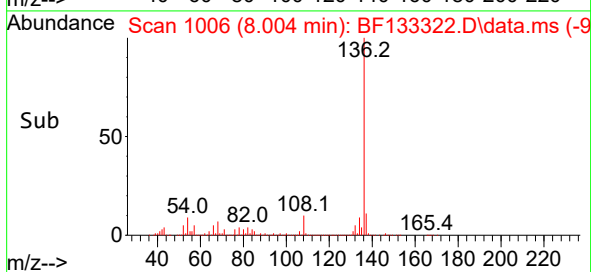
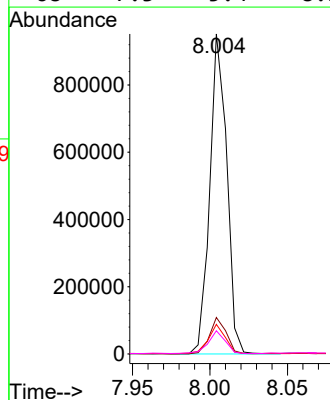
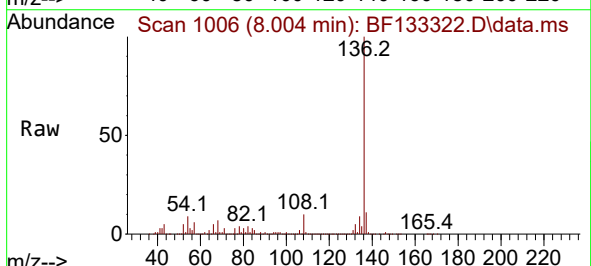
Instrument :
BNA_F
ClientSampleId :
BU-02-050823

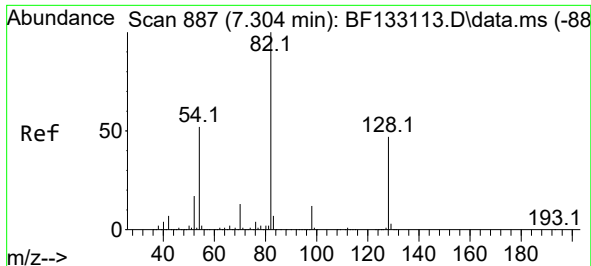
Tgt Ion: 99 Resp: 640800
Ion Ratio Lower Upper
99 100
42 20.3 16.3 24.5
71 31.9 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.004 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BF133322.D
Acq: 09 May 2023 17:43

Tgt Ion: 136 Resp: 725642
Ion Ratio Lower Upper
136 100
137 11.4 8.6 13.0
54 9.3 7.0 10.4
68 7.3 5.4 8.2





#23

Nitrobenzene-d5

Concen: 27.934 ng

RT: 7.281 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF133322.D

Acq: 09 May 2023 17:43

Instrument :

BNA_F

ClientSampleId :

BU-02-050823

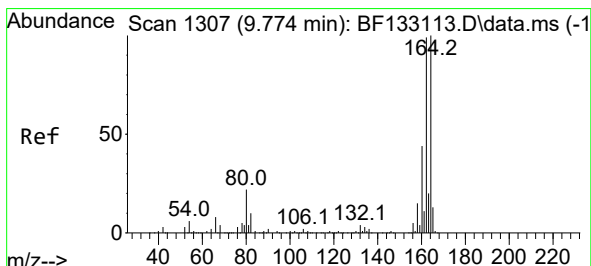
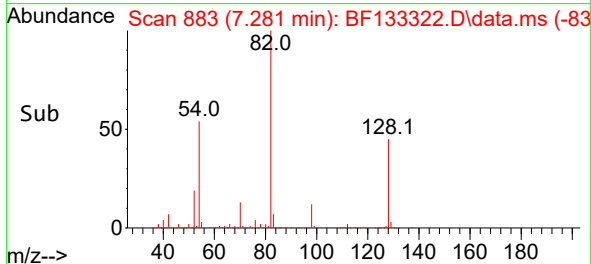
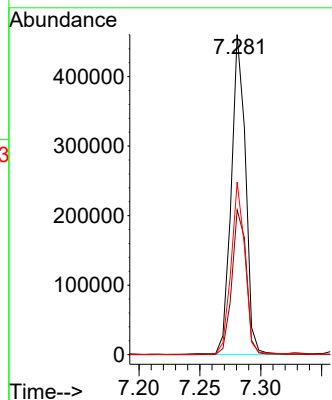
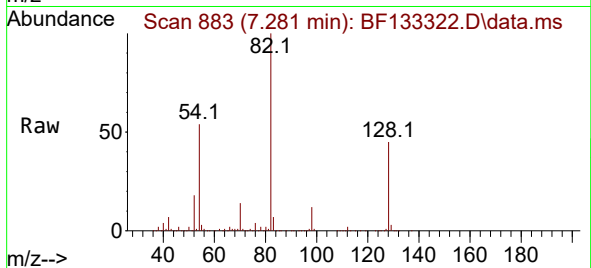
Tgt Ion: 82 Resp: 375539

Ion Ratio Lower Upper

82 100

128 45.2 37.7 56.5

54 53.9 43.0 64.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.757 min Scan# 1304

Delta R.T. -0.006 min

Lab File: BF133322.D

Acq: 09 May 2023 17:43

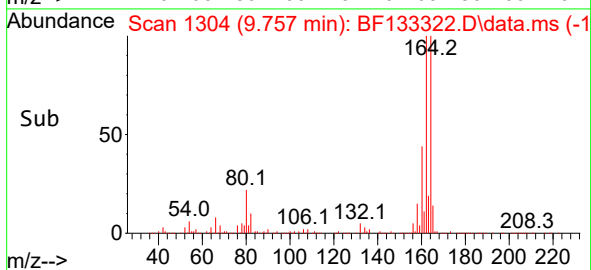
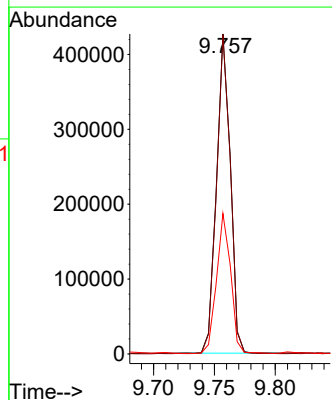
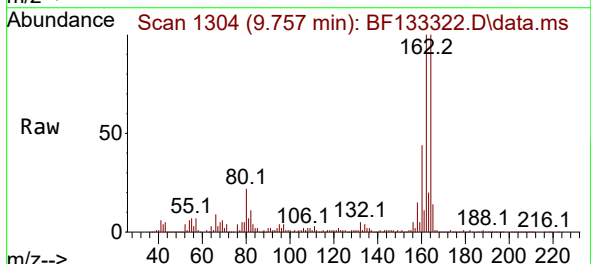
Tgt Ion: 164 Resp: 337150

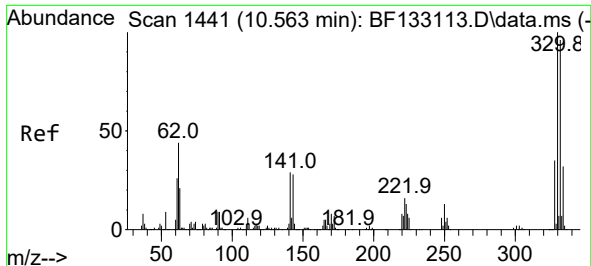
Ion Ratio Lower Upper

164 100

162 99.8 78.7 118.1

160 43.9 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 33.067 ng

RT: 10.545 min Scan# 1441

Delta R.T. -0.006 min

Lab File: BF133322.D

Acq: 09 May 2023 17:43

Instrument :

BNA_F

ClientSampleId :

BU-02-050823

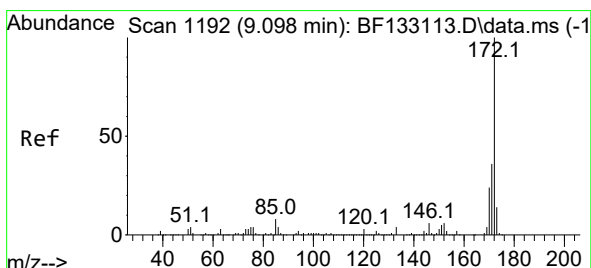
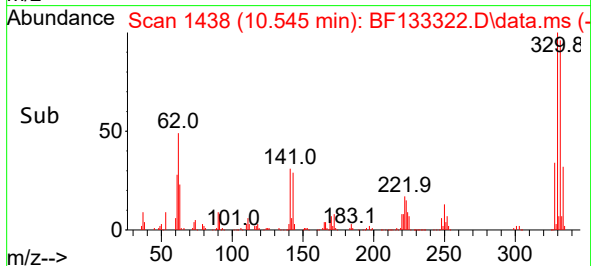
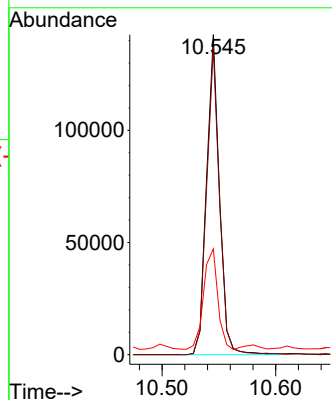
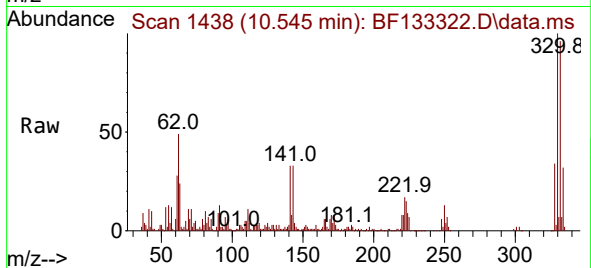
Tgt Ion:330 Resp: 112120

Ion Ratio Lower Upper

330 100

332 96.0 77.1 115.7

141 34.6 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 34.627 ng

RT: 9.081 min Scan# 1189

Delta R.T. -0.006 min

Lab File: BF133322.D

Acq: 09 May 2023 17:43

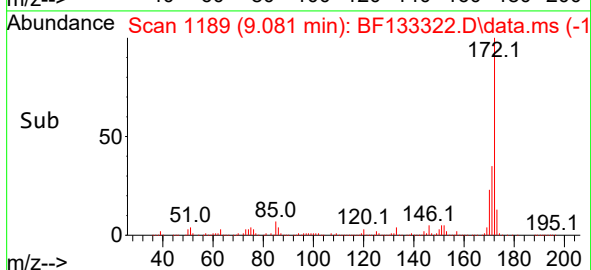
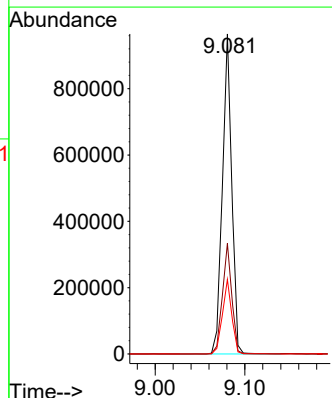
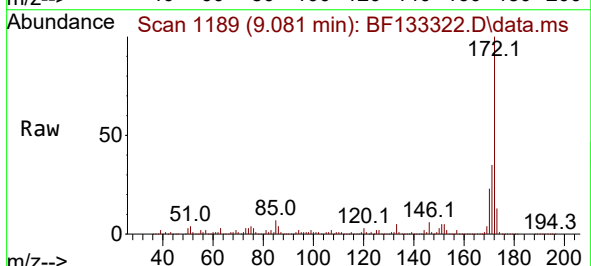
Tgt Ion:172 Resp: 697822

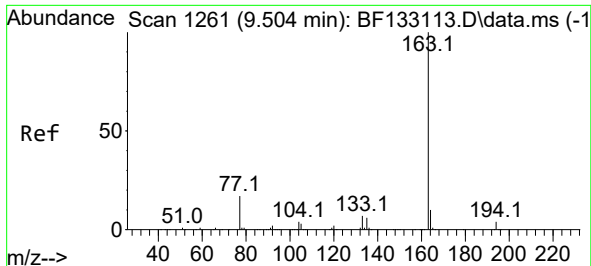
Ion Ratio Lower Upper

172 100

171 34.6 28.8 43.2

170 23.3 19.4 29.2

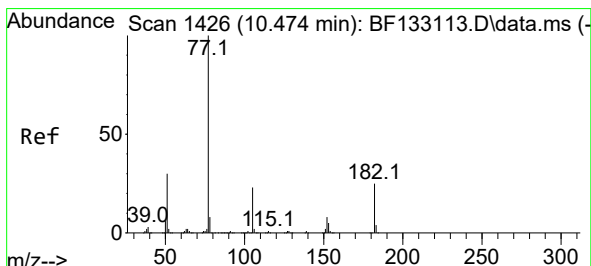
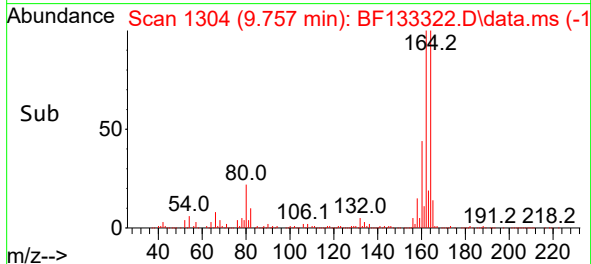
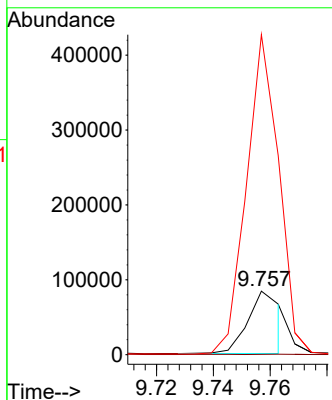
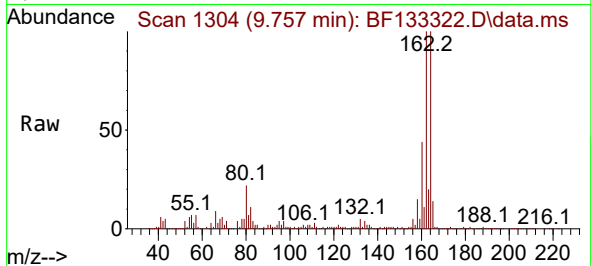




#50
Dimethylphthalate
Concen: 2.850 ng
RT: 9.757 min Scan# 11
Delta R.T. 0.265 min
Lab File: BF133322.D
Acq: 09 May 2023 17:43

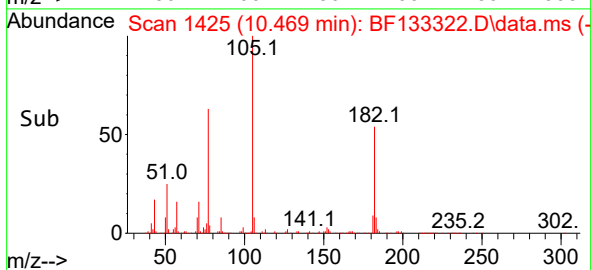
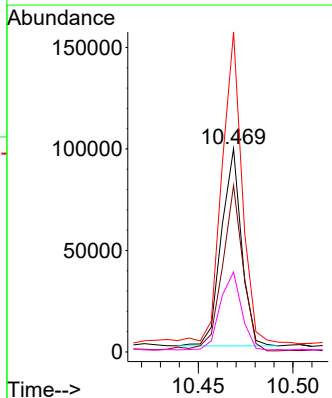
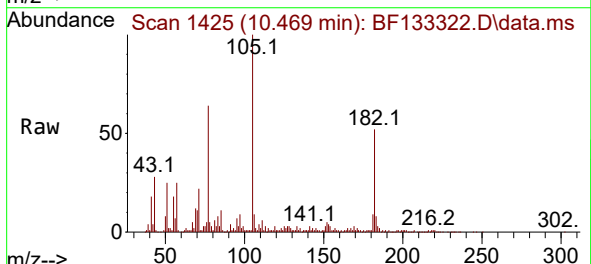
Instrument :
BNA_F
ClientSampleId :
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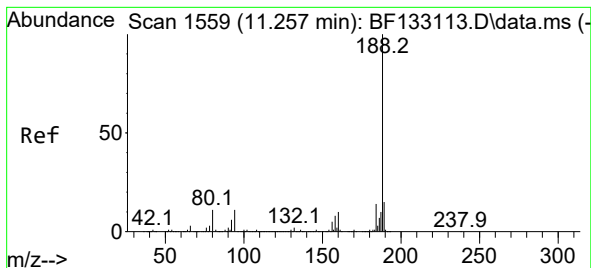
Tgt Ion:163 Resp: 67004
Ion Ratio Lower Upper
163 100
194 0.6 3.1 4.7#
164 504.2 8.5 12.7#



#63
Azobenzene
Concen: 3.060 ng
RT: 10.469 min Scan# 1425
Delta R.T. 0.006 min
Lab File: BF133322.D
Acq: 09 May 2023 17:43

Tgt Ion: 77 Resp: 71971
Ion Ratio Lower Upper
77 100
182 81.9 5.9 45.9#
105 157.3 2.3 42.3#
51 39.3 11.1 51.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.239 min Scan# 1556

Delta R.T. -0.006 min

Lab File: BF133322.D

Acq: 09 May 2023 17:43

Instrument :

BNA_F

ClientSampleId :

BU-02-050823

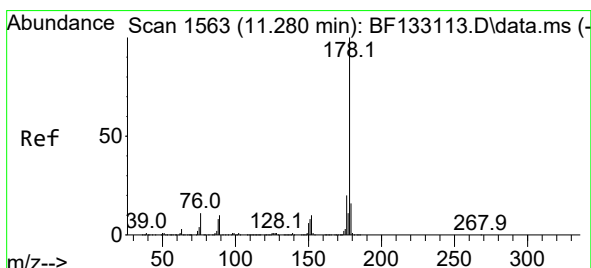
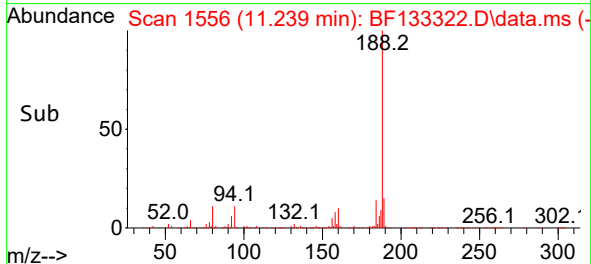
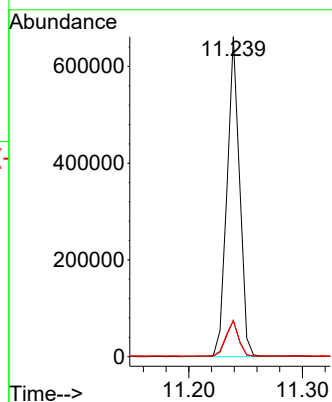
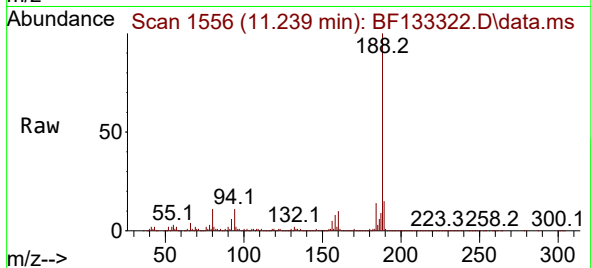
Tgt Ion:188 Resp: 510880

Ion Ratio Lower Upper

188 100

94 11.3 9.7 14.5

80 11.3 10.4 15.6



#71

Phenanthrene

Concen: 2.810 ng

RT: 11.263 min Scan# 1560

Delta R.T. -0.006 min

Lab File: BF133322.D

Acq: 09 May 2023 17:43

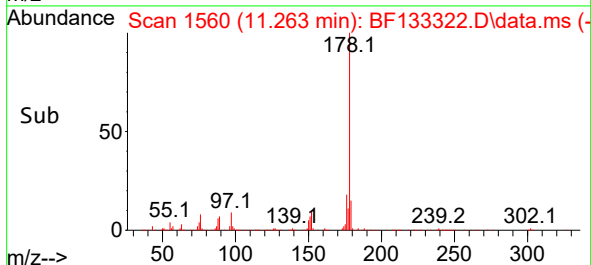
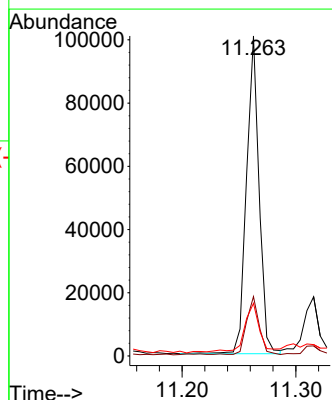
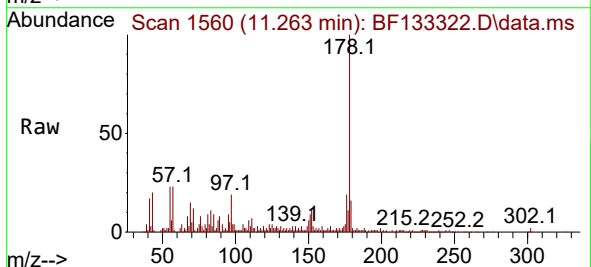
Tgt Ion:178 Resp: 77162

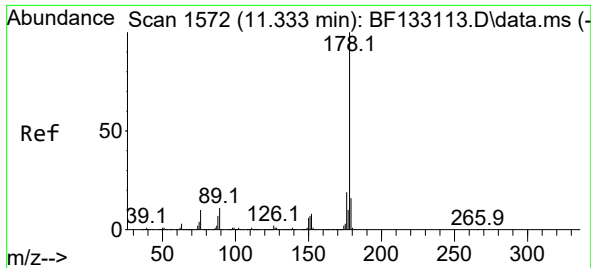
Ion Ratio Lower Upper

178 100

176 18.5 15.9 23.9

179 16.5 12.5 18.7

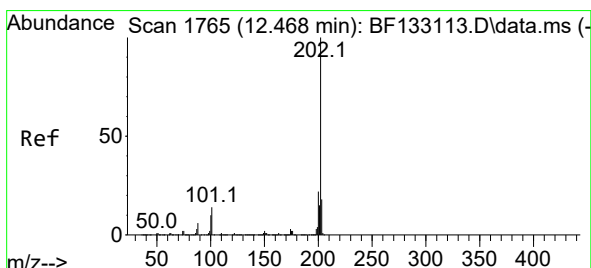
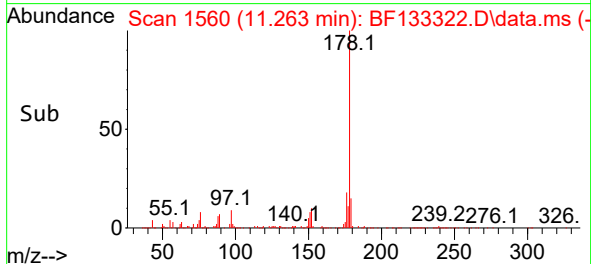
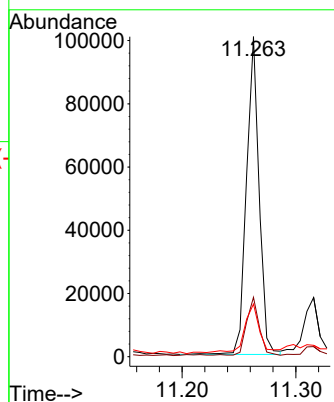
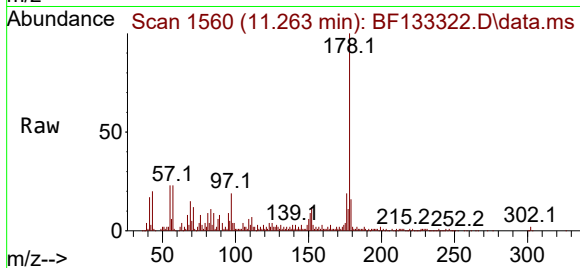




#72
 Anthracene
 Concen: 2.746 ng
 RT: 11.263 min Scan# 11
 Delta R.T. -0.059 min
 Lab File: BF133322.D
 Acq: 09 May 2023 17:43

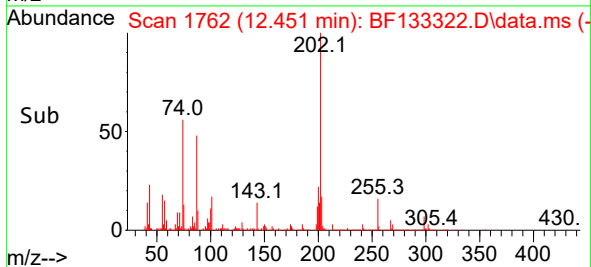
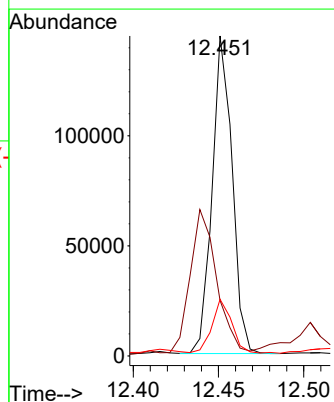
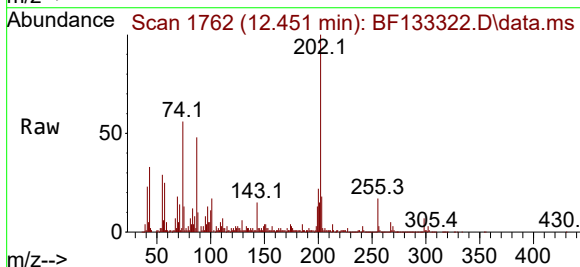
Instrument :
 BNA_F
 ClientSampleId :
 BU-02-050823

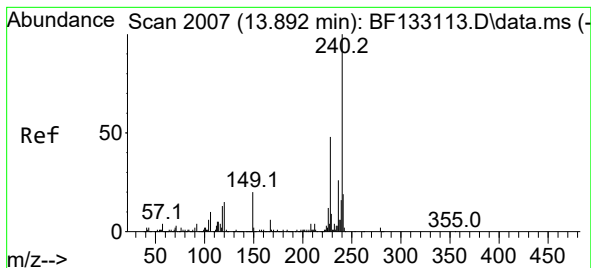
Tgt Ion:178	Resp:	77162
Ion Ratio	Lower	Upper
178	100	
176	18.5	15.4 23.0
179	16.5	12.4 18.6



#75
 Fluoranthene
 Concen: 4.279 ng
 RT: 12.451 min Scan# 1762
 Delta R.T. -0.006 min
 Lab File: BF133322.D
 Acq: 09 May 2023 17:43

Tgt Ion:202	Resp:	117916
Ion Ratio	Lower	Upper
202	100	
101	17.3	0.0 35.3
203	17.7	0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.874 min Scan# 2004

Delta R.T. -0.006 min

Lab File: BF133322.D

Acq: 09 May 2023 17:43

Instrument :

BNA_F

ClientSampleId :

BU-02-050823

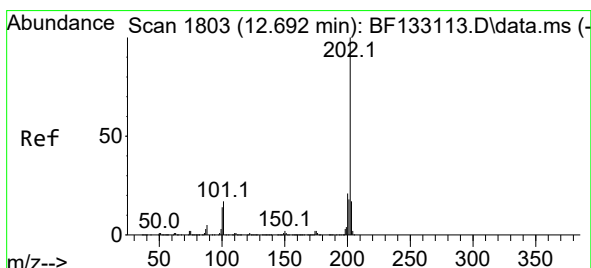
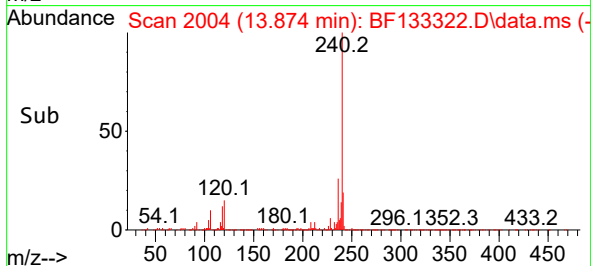
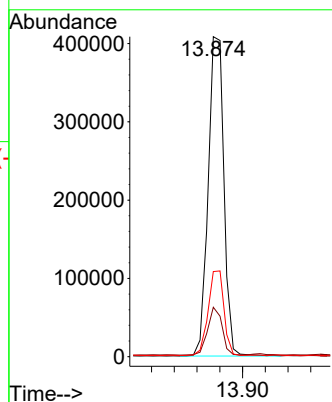
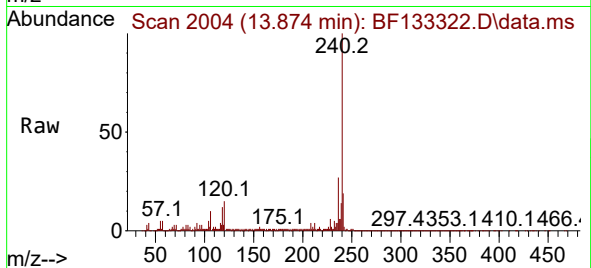
Tgt Ion:240 Resp: 391473

Ion Ratio Lower Upper

240 100

120 15.5 10.5 15.7

236 26.6 21.5 32.3



#78

Pyrene

Concen: 3.690 ng

RT: 12.680 min Scan# 1801

Delta R.T. 0.000 min

Lab File: BF133322.D

Acq: 09 May 2023 17:43

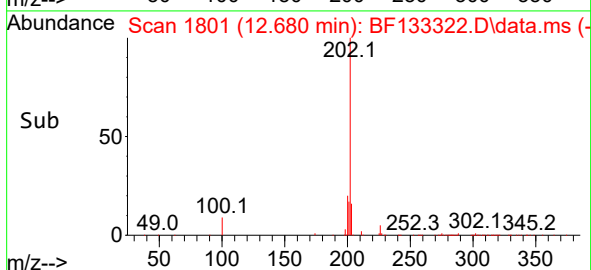
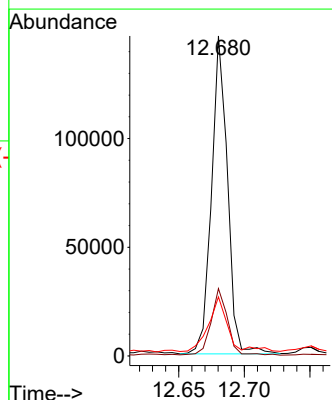
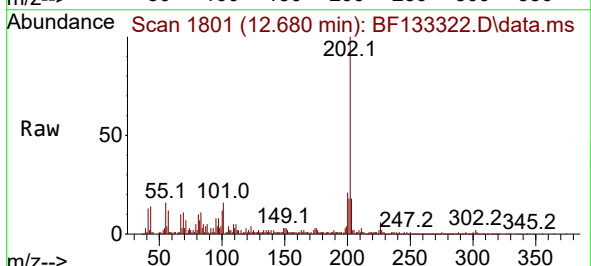
Tgt Ion:202 Resp: 123833

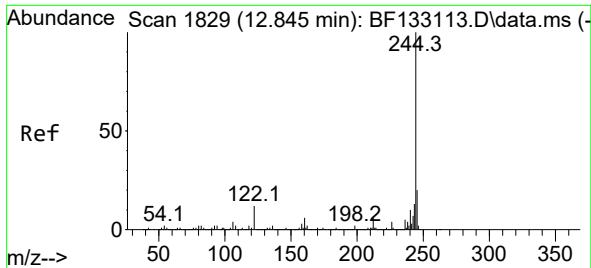
Ion Ratio Lower Upper

202 100

200 21.0 17.1 25.7

203 18.5 14.1 21.1

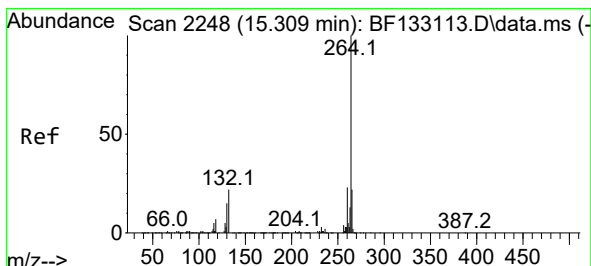
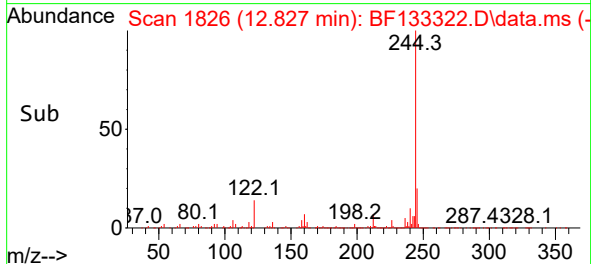
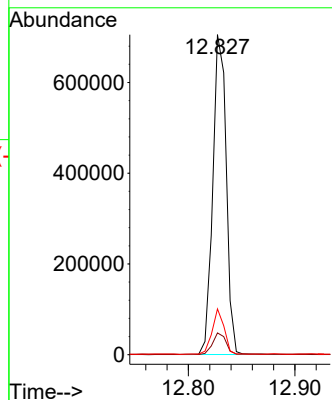
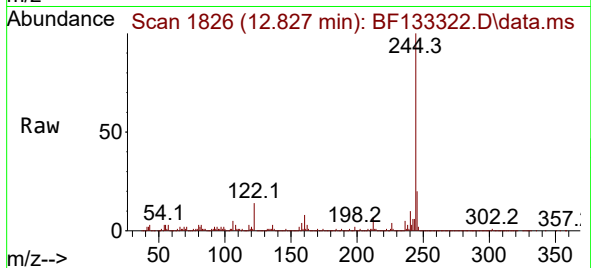




#79
 Terphenyl-d14
 Concen: 27.215 ng
 RT: 12.827 min Scan# 1826
 Delta R.T. -0.006 min
 Lab File: BF133322.D
 Acq: 09 May 2023 17:43

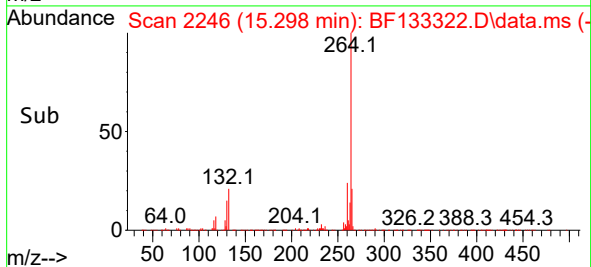
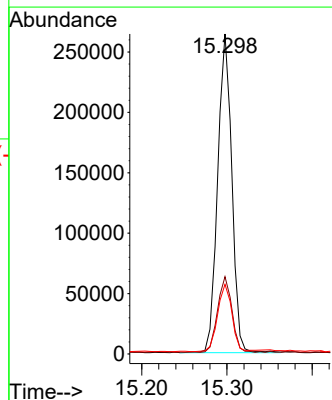
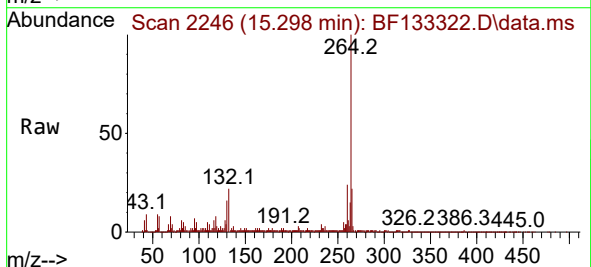
Instrument :
 BNA_F
 ClientSampleId :
 BU-02-050823

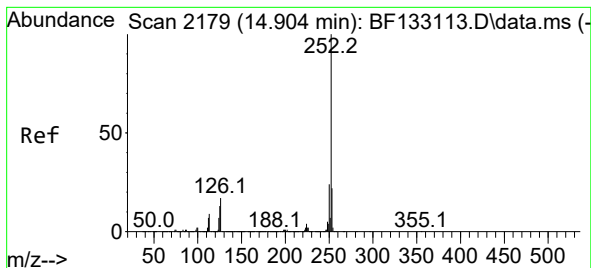
Tgt Ion:244 Resp: 617749
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.1 7.7
 122 14.3 8.6 13.0#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.298 min Scan# 2246
 Delta R.T. 0.006 min
 Lab File: BF133322.D
 Acq: 09 May 2023 17:43

Tgt Ion:264 Resp: 303994
 Ion Ratio Lower Upper
 264 100
 260 24.2 18.8 28.2
 265 21.8 17.0 25.4





#88

Benzo(b)fluoranthene

Concen: 3.934 ng

RT: 14.892 min Scan# 2177

Delta R.T. 0.000 min

Lab File: BF133322.D

Acq: 09 May 2023 17:43

Instrument :

BNA_F

ClientSampleId :

BU-02-050823

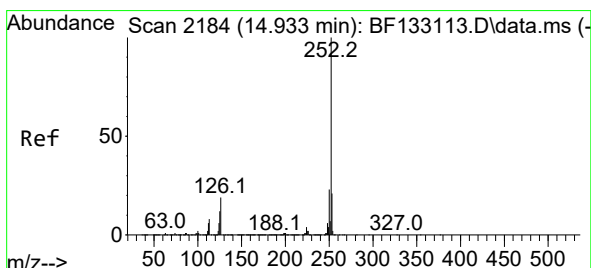
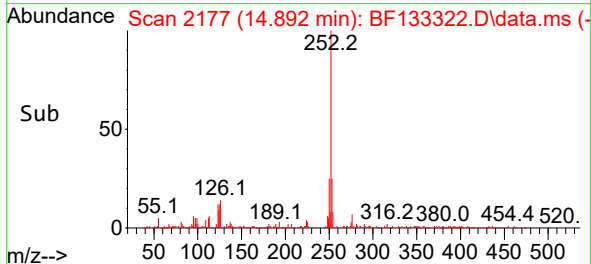
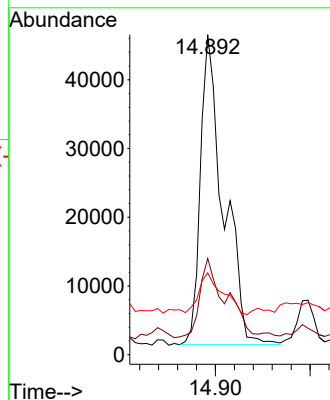
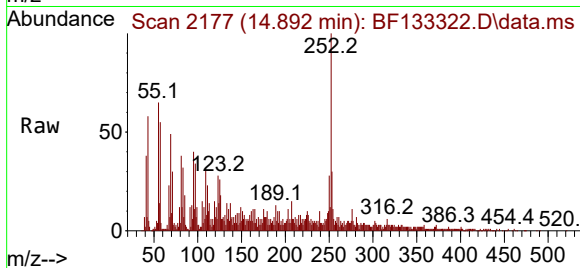
Tgt Ion:252 Resp: 76079

Ion Ratio Lower Upper

252 100

253 30.1 17.6 26.4#

125 25.6 8.9 13.3#



#89

Benzo(k)fluoranthene

Concen: 3.968 ng

RT: 14.892 min Scan# 2177

Delta R.T. -0.029 min

Lab File: BF133322.D

Acq: 09 May 2023 17:43

Tgt Ion:252 Resp: 76079

Ion Ratio Lower Upper

252 100

253 30.1 17.7 26.5#

125 25.6 9.0 13.4#

