

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051723\
 Data File : BF133427.D
 Acq On : 17 May 2023 22:26
 Operator : CG\JU
 Sample : 02812-16 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WG-0516-B2-0-10

Quant Time: May 18 04:06:52 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 16 14:39:29 2023
 Response via : Initial Calibration

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

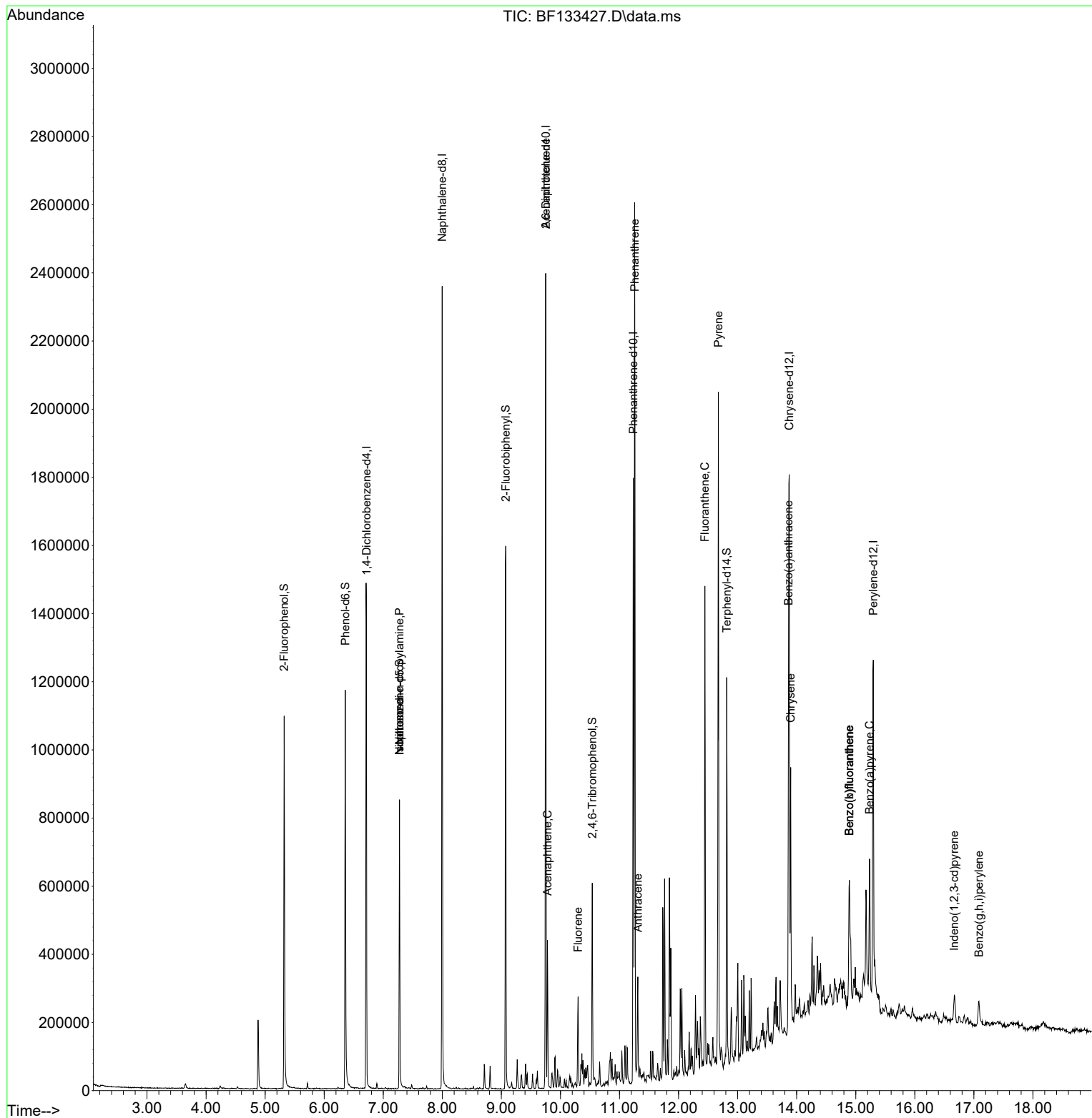
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.716	152	236377	20.000	ng	0.00
21) Naphthalene-d8	7.998	136	940495	20.000	ng	-0.01
39) Acenaphthene-d10	9.751	164	434550	20.000	ng	-0.01
64) Phenanthrene-d10	11.233	188	623149	20.000	ng	-0.01
76) Chrysene-d12	13.874	240	479847	20.000	ng	-0.01
86) Perylene-d12	15.298	264	440628	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.322	112	328608	21.000	ng	-0.01
7) Phenol-d6	6.357	99	402205	20.709	ng	-0.01
23) Nitrobenzene-d5	7.275	82	236351	13.565	ng	-0.02
42) 2,4,6-Tribromophenol	10.539	330	66026	15.108	ng	-0.01
45) 2-Fluorobiphenyl	9.075	172	502002	19.327	ng	-0.01
79) Terphenyl-d14	12.816	244	358969	12.902	ng	-0.02
Target Compounds						Qvalue
9) Benzaldehyde	6.269	77	213	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.275	70	29898	2.473	ng	# 76
25) Isophorone	7.275	82	236349	7.144	ng	# 62
51) 2,6-Dinitrotoluene	9.751	165	56818	8.331	ng	# 25
52) Acenaphthene	9.780	154	83589	3.097	ng	98
58) Fluorene	10.298	166	71824	2.663	ng	98
71) Phenanthrene	11.257	178	915988	27.349	ng	99
72) Anthracene	11.310	178	112589	3.285	ng	98
75) Fluoranthene	12.445	202	492821	14.661	ng	98
78) Pyrene	12.674	202	738019	17.942	ng	99
81) Benzo(a)anthracene	13.862	228	277930	8.423	ng	100
83) Chrysene	13.898	228	267863	8.120	ng	99
87) Indeno(1,2,3-cd)pyrene	16.668	276	52088	2.078	ng	94
88) Benzo(b)fluoranthene	14.892	252	254166	9.067	ng	98
89) Benzo(k)fluoranthene	14.892	252	254166	9.147	ng	98
90) Benzo(a)pyrene	15.233	252	171705	6.730	ng	97
92) Benzo(g,h,i)perylene	17.086	276	52820	2.559	ng	96

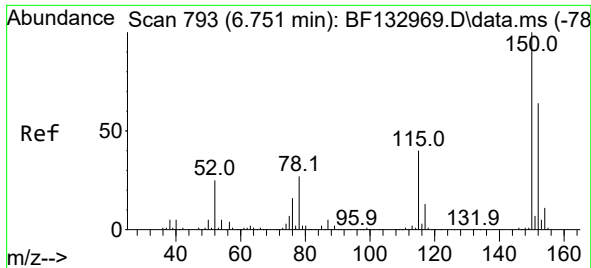
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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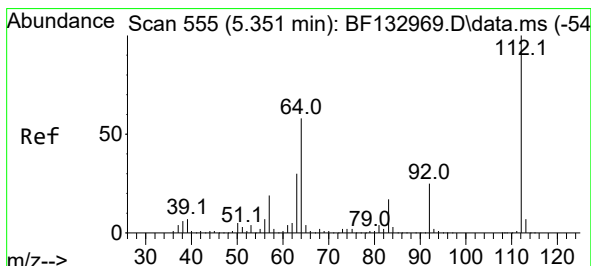
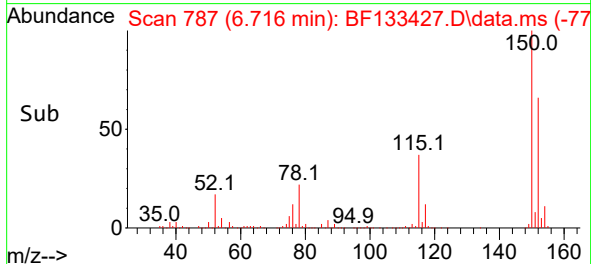
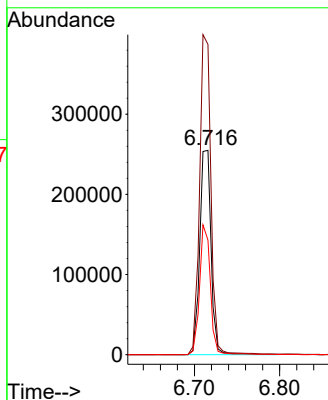
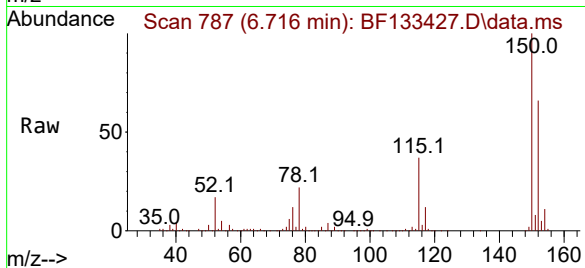




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.716 min Scan# 71
 Delta R.T. -0.006 min
 Lab File: BF133427.D
 Acq: 17 May 2023 22:26

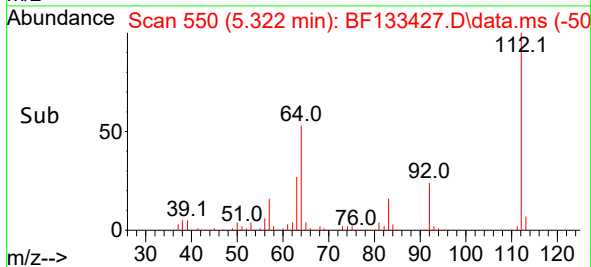
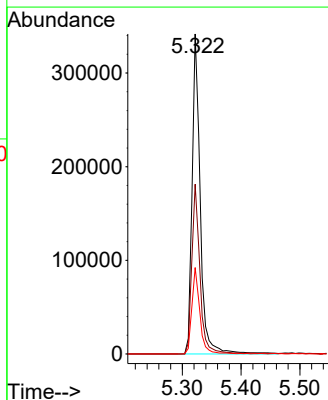
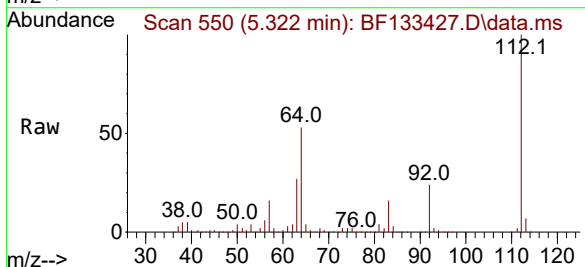
Instrument :
 BNA_F
 ClientSampleId :
 WG-0516-B2-0-10

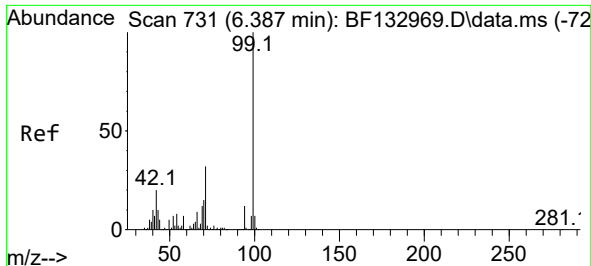
Tgt Ion:152 Resp: 236377
 Ion Ratio Lower Upper
 152 100
 150 151.8 124.8 187.2
 115 56.0 49.9 74.9



#5
 2-Fluorophenol
 Concen: 21.000 ng
 RT: 5.322 min Scan# 550
 Delta R.T. -0.012 min
 Lab File: BF133427.D
 Acq: 17 May 2023 22:26

Tgt Ion:112 Resp: 328608
 Ion Ratio Lower Upper
 112 100
 64 53.1 46.8 70.2
 63 27.0 23.8 35.8

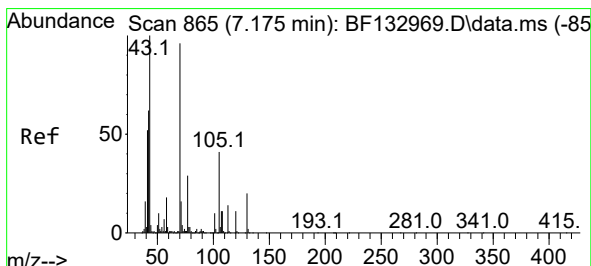
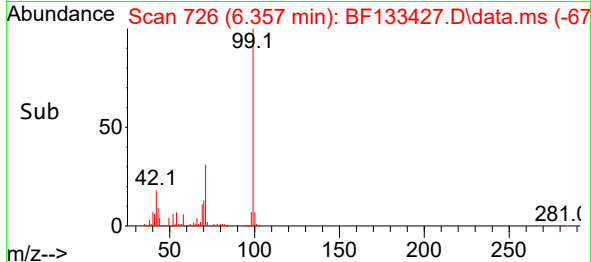
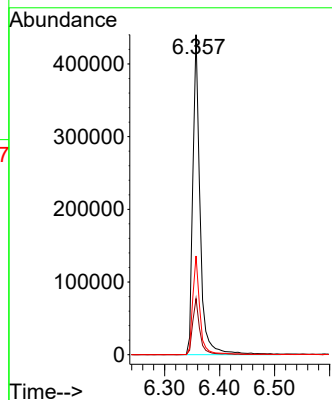
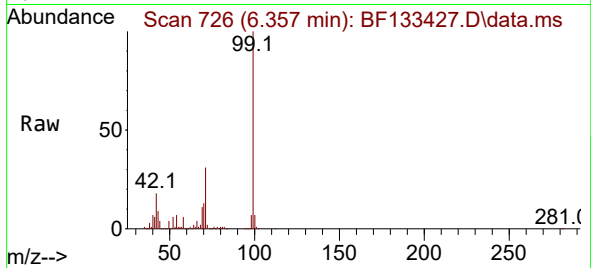




#7
Phenol-d6
Concen: 20.709 ng
RT: 6.357 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF133427.D
Acq: 17 May 2023 22:26

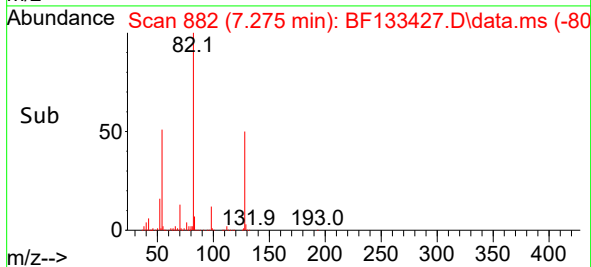
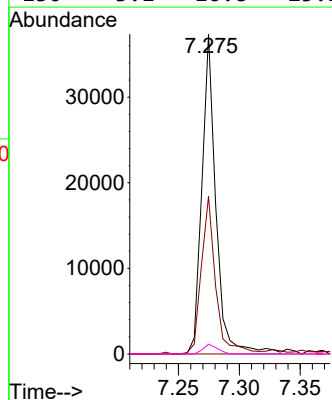
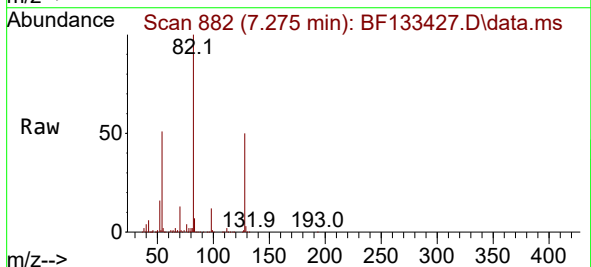
Instrument :
BNA_F
ClientSampleId :
WG-0516-B2-0-10

Tgt Ion: 99 Resp: 402205
Ion Ratio Lower Upper
99 100
42 17.6 16.3 24.5
71 30.8 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 2.473 ng
RT: 7.275 min Scan# 882
Delta R.T. 0.129 min
Lab File: BF133427.D
Acq: 17 May 2023 22:26

Tgt Ion: 70 Resp: 29898
Ion Ratio Lower Upper
70 100
42 49.3 51.8 77.6#
101 0.0 8.0 12.0#
130 3.1 16.8 25.2#

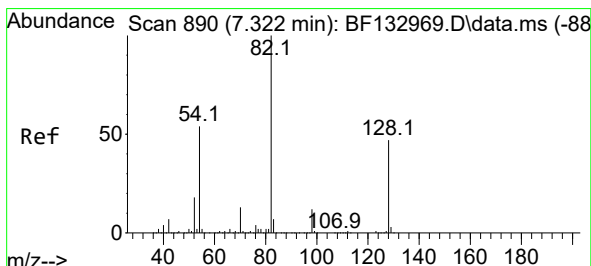
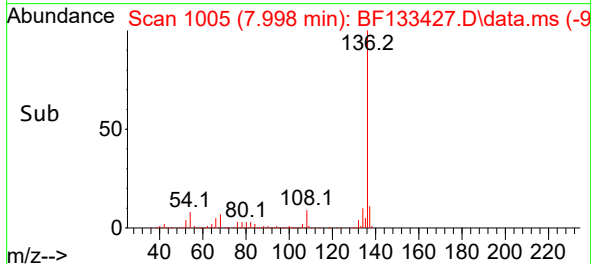
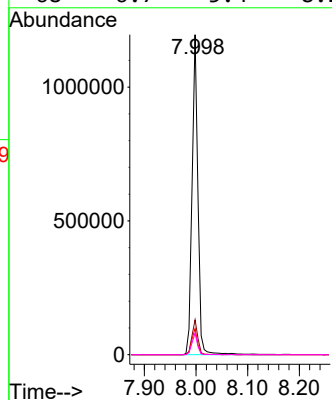
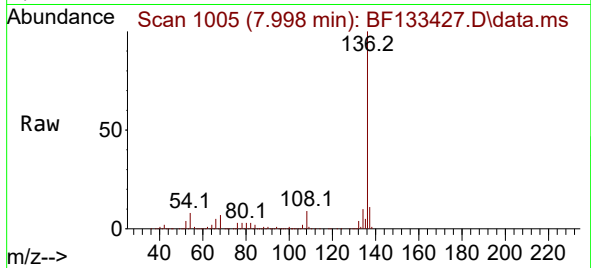




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.998 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BF133427.D
Acq: 17 May 2023 22:26

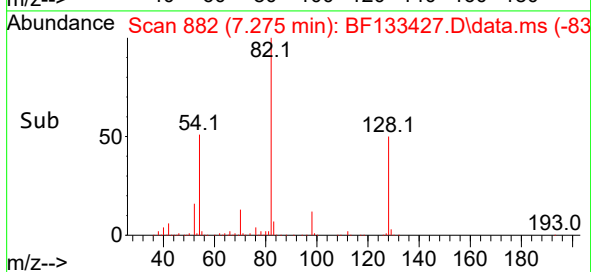
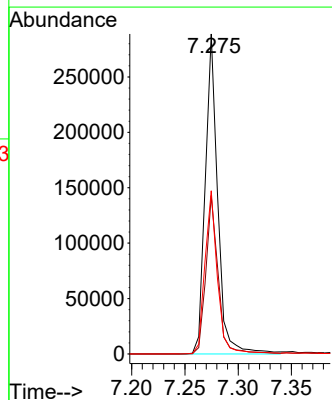
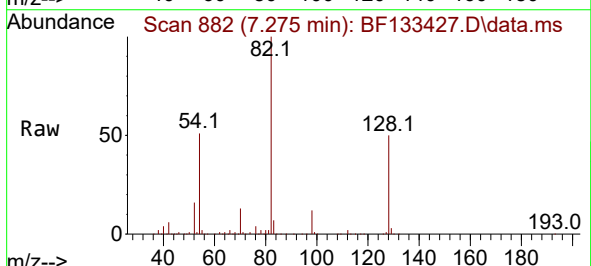
Instrument :
BNA_F
ClientSampleId :
WG-0516-B2-0-10

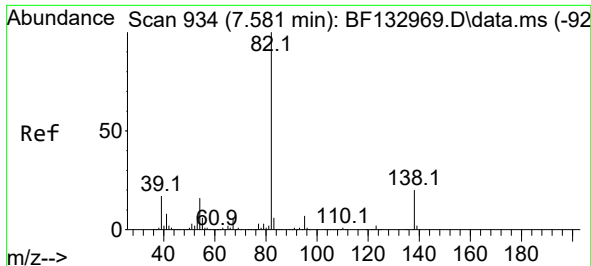
Tgt Ion:136	Resp: 940495
Ion Ratio	Lower Upper
136	100
137	10.9 8.6 13.0
54	8.2 7.0 10.4
68	6.7 5.4 8.2



#23
Nitrobenzene-d5
Concen: 13.565 ng
RT: 7.275 min Scan# 882
Delta R.T. -0.018 min
Lab File: BF133427.D
Acq: 17 May 2023 22:26

Tgt Ion: 82	Resp: 236351
Ion Ratio	Lower Upper
82	100
128	49.5 37.7 56.5
54	51.0 43.0 64.4

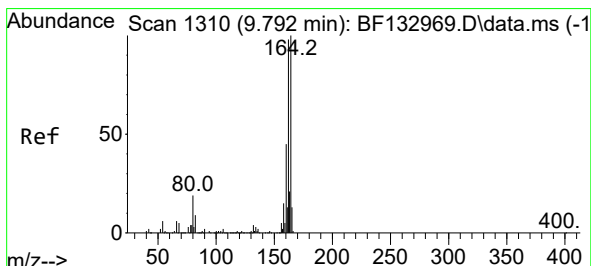
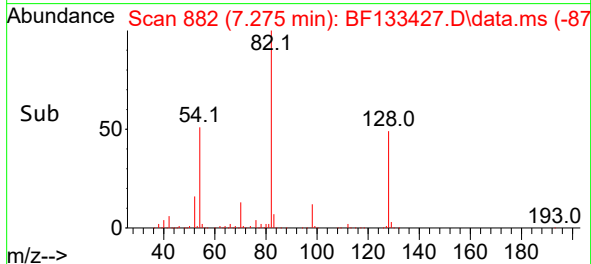
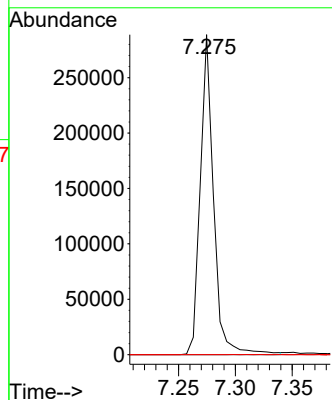
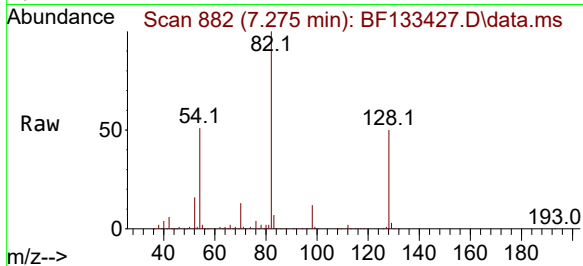




#25
Isophorone
Concen: 7.144 ng
RT: 7.275 min Scan# 81
Delta R.T. -0.277 min
Lab File: BF133427.D
Acq: 17 May 2023 22:26

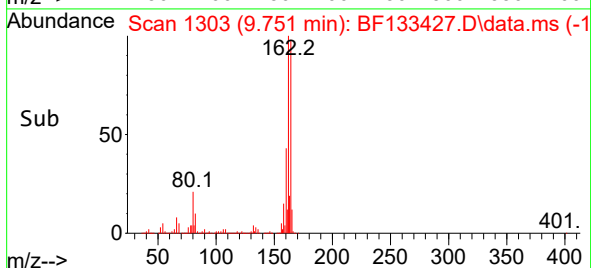
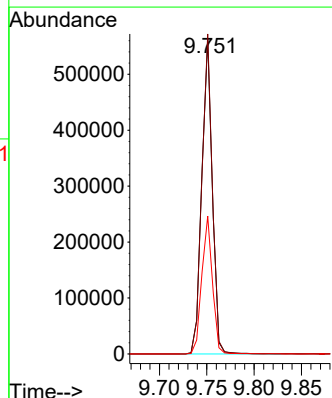
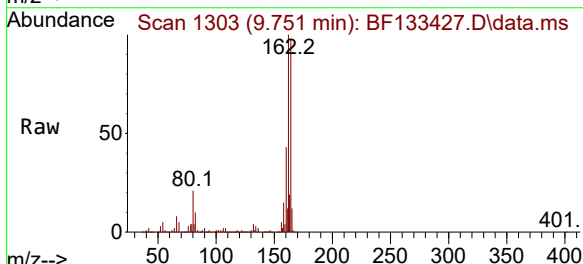
Instrument :
BNA_F
ClientSampleId :
WG-0516-B2-0-10

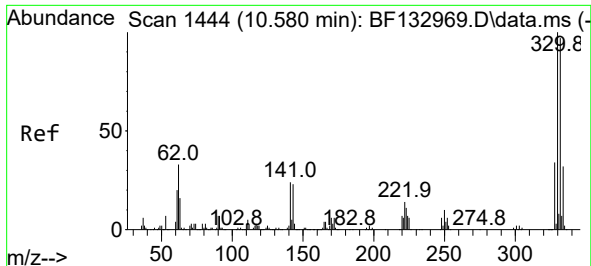
Tgt Ion: 82 Resp: 236349
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 16.0 24.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.751 min Scan# 1303
Delta R.T. -0.012 min
Lab File: BF133427.D
Acq: 17 May 2023 22:26

Tgt Ion: 164 Resp: 434550
Ion Ratio Lower Upper
164 100
162 101.7 78.7 118.1
160 43.8 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 15.108 ng

RT: 10.539 min Scan# 1444

Delta R.T. -0.012 min

Lab File: BF133427.D

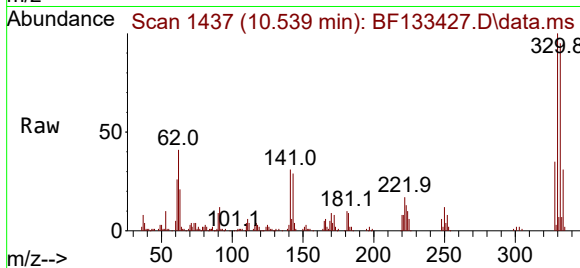
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Instrument :

BNA_F

ClientSampleId :

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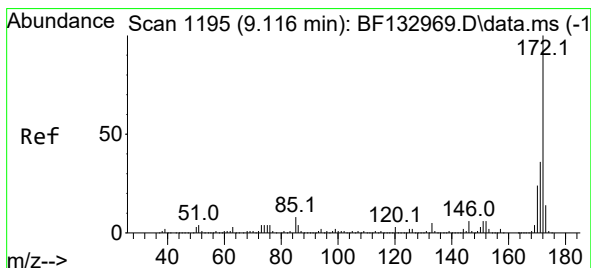
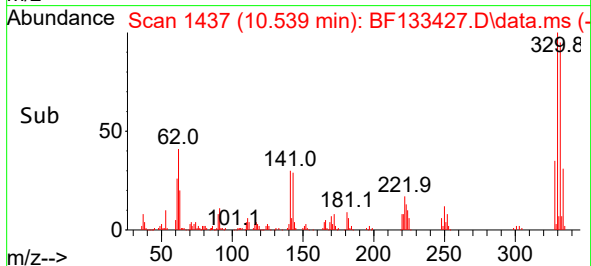
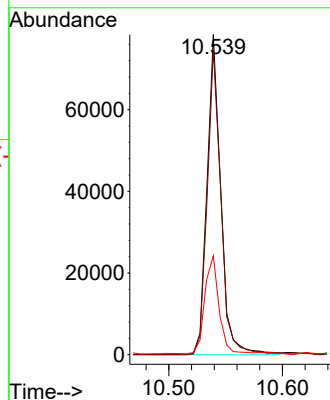
Tgt Ion:330 Resp: 66026

Ion Ratio Lower Upper

330 100

332 96.0 77.1 115.7

141 33.5 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 19.327 ng

RT: 9.075 min Scan# 1188

Delta R.T. -0.012 min

Lab File: BF133427.D

Acq: 17 May 2023 22:26

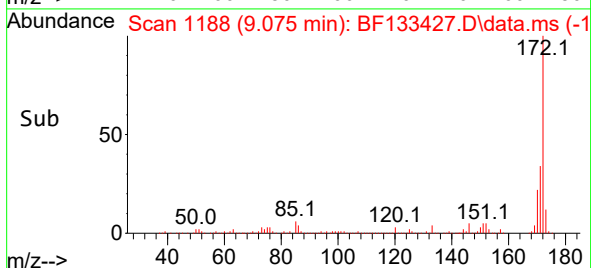
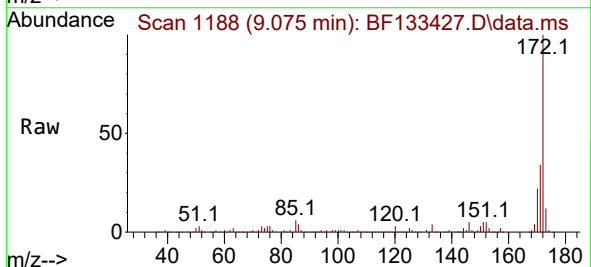
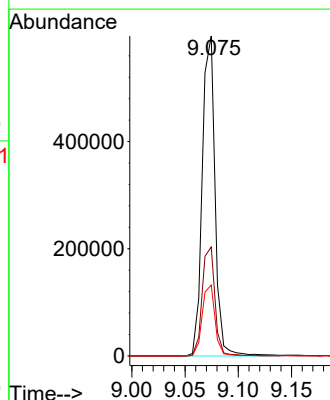
Tgt Ion:172 Resp: 502002

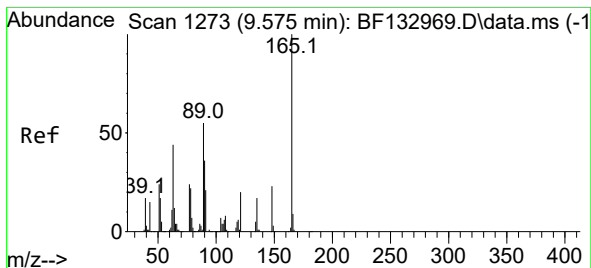
Ion Ratio Lower Upper

172 100

171 34.1 28.8 43.2

170 22.2 19.4 29.2





#51

2,6-Dinitrotoluene

Concen: 8.331 ng

RT: 9.751 min Scan# 1

Delta R.T. 0.200 min

Lab File: BF133427.D

Acq: 17 May 2023 22:26

Instrument :

BNA_F

ClientSampleId :

WG-0516-B2-0-10

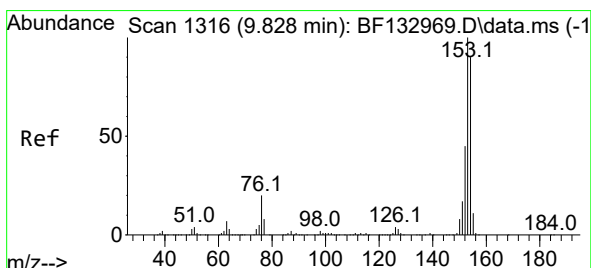
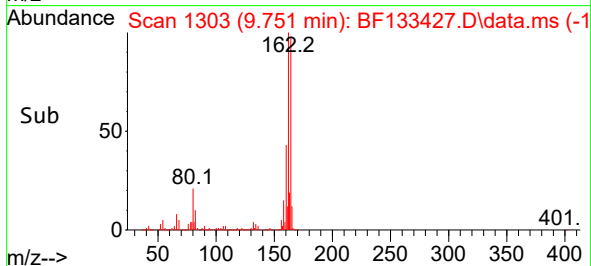
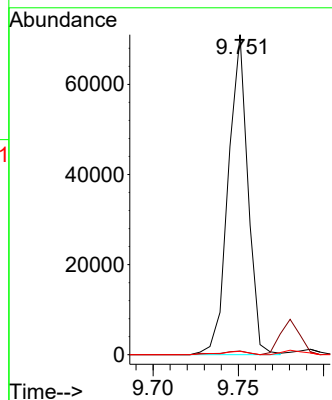
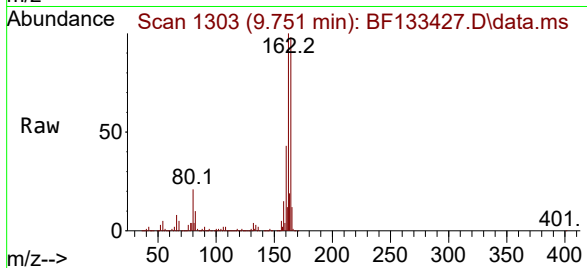
Tgt Ion:165 Resp: 56818

Ion Ratio Lower Upper

165 100

63 1.2 45.9 68.9#

89 1.0 44.0 66.0#



#52

Acenaphthene

Concen: 3.097 ng

RT: 9.780 min Scan# 1308

Delta R.T. -0.012 min

Lab File: BF133427.D

Acq: 17 May 2023 22:26

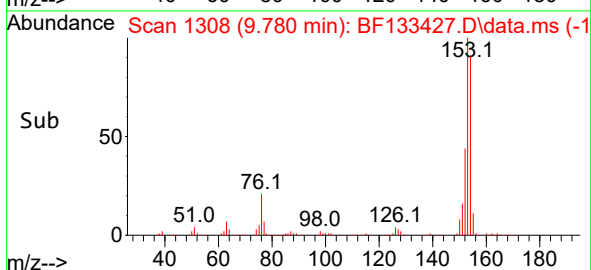
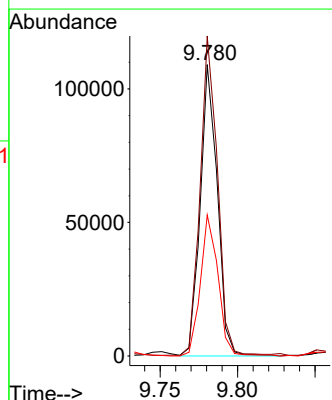
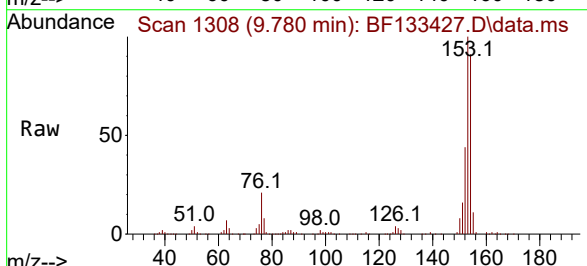
Tgt Ion:154 Resp: 83589

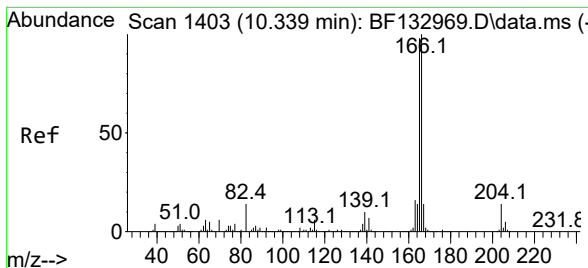
Ion Ratio Lower Upper

154 100

153 109.8 89.0 133.6

152 48.4 40.4 60.6





#58

Fluorene

Concen: 2.663 ng

RT: 10.298 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF133427.D

Acq: 17 May 2023 22:26

Instrument :

BNA_F

ClientSampleId :

WG-0516-B2-0-10

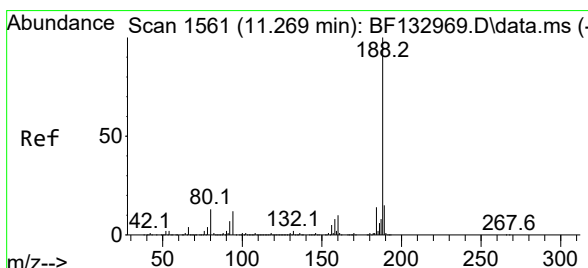
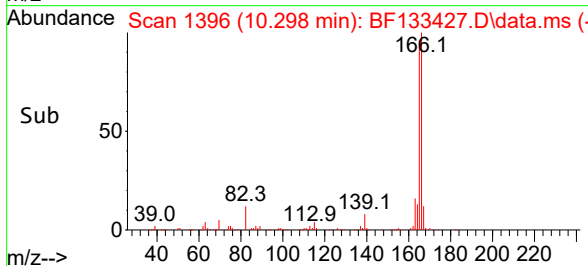
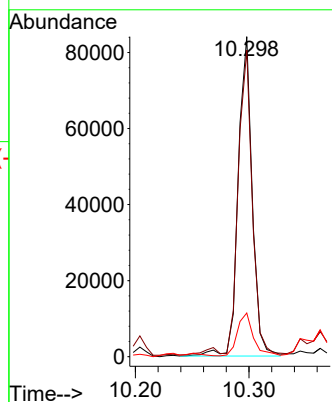
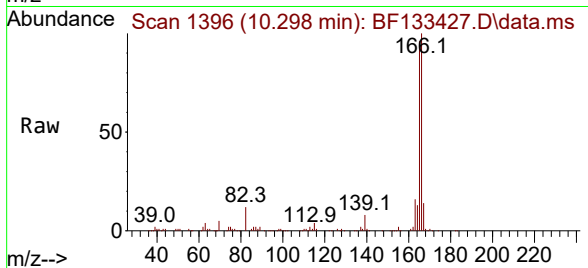
Tgt Ion:166 Resp: 71824

Ion Ratio Lower Upper

166 100

165 95.7 78.6 117.8

167 13.6 11.0 16.4



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.233 min Scan# 1555

Delta R.T. -0.012 min

Lab File: BF133427.D

Acq: 17 May 2023 22:26

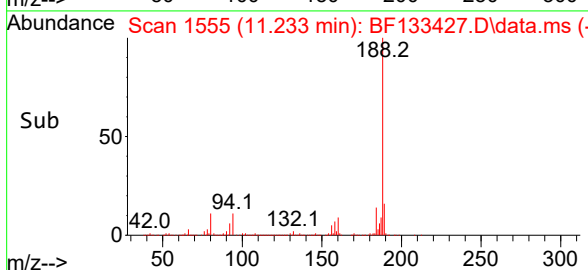
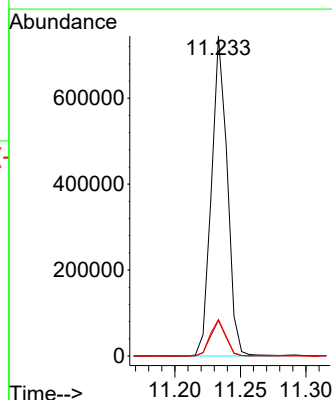
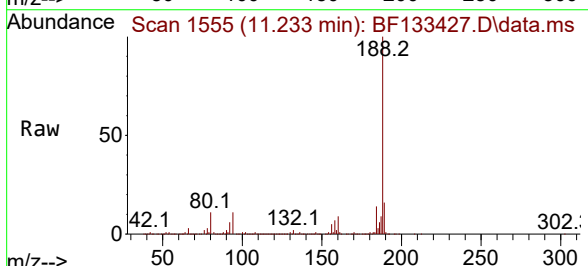
Tgt Ion:188 Resp: 623149

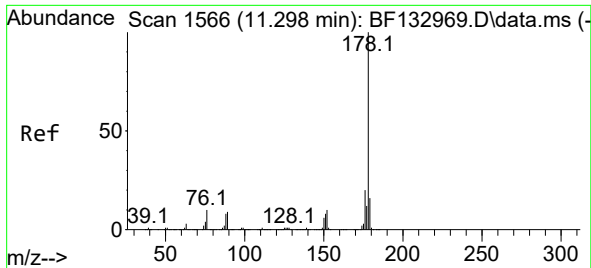
Ion Ratio Lower Upper

188 100

94 11.1 9.7 14.5

80 11.4 10.4 15.6

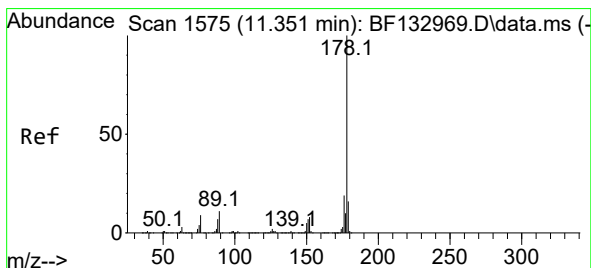
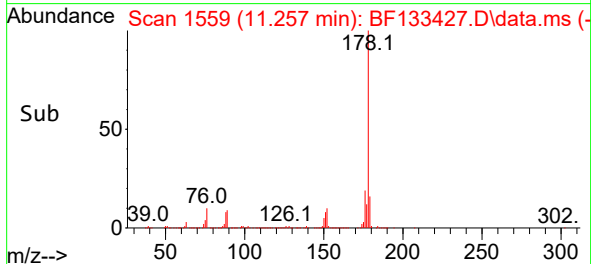
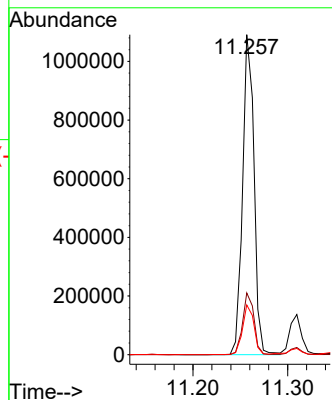
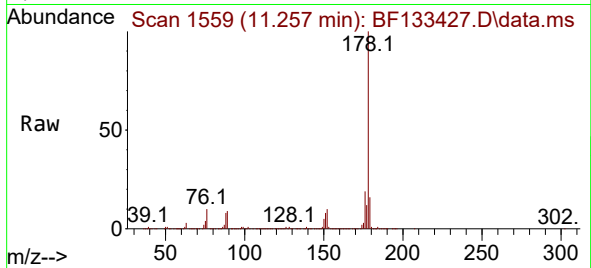




#71
Phenanthrene
Concen: 27.349 ng
RT: 11.257 min Scan# 1559
Delta R.T. -0.012 min
Lab File: BF133427.D
Acq: 17 May 2023 22:26

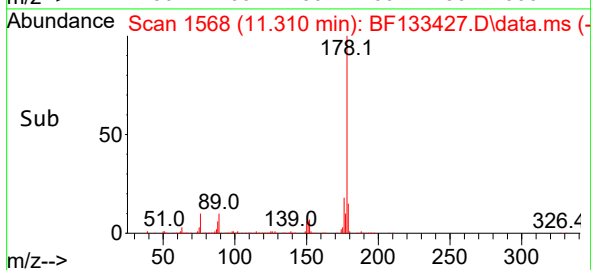
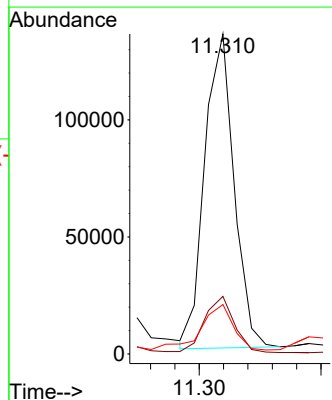
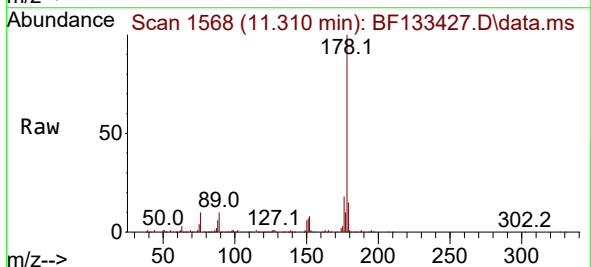
Instrument :
BNA_F
ClientSampleId :
WG-0516-B2-0-10

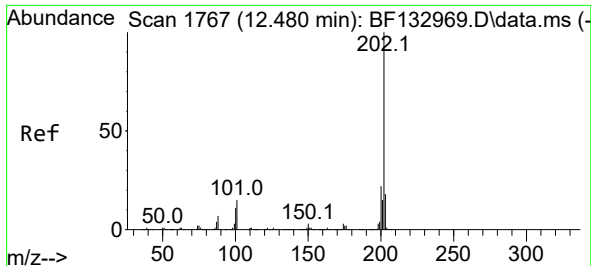
Tgt Ion:178 Resp: 915988
Ion Ratio Lower Upper
178 100
176 19.3 15.9 23.9
179 15.6 12.5 18.7



#72
Anthracene
Concen: 3.285 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF133427.D
Acq: 17 May 2023 22:26

Tgt Ion:178 Resp: 112589
Ion Ratio Lower Upper
178 100
176 18.0 15.4 23.0
179 15.4 12.4 18.6

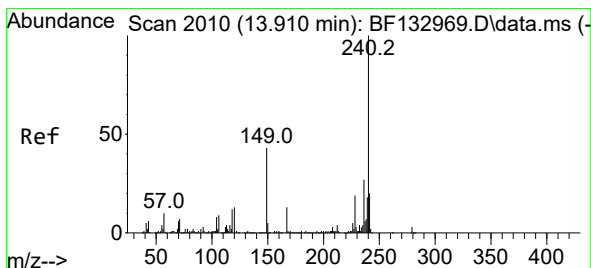
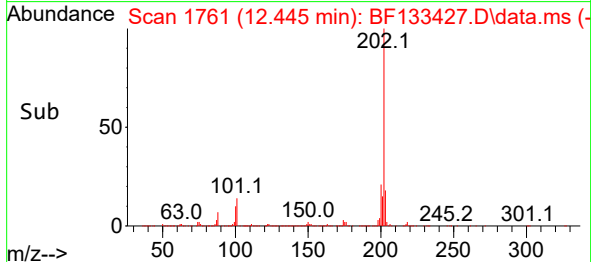
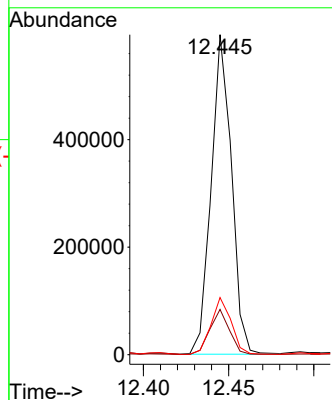
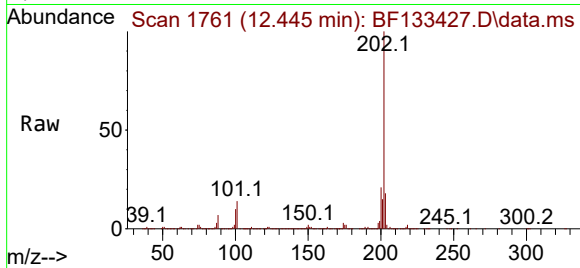




#75
Fluoranthene
Concen: 14.661 ng
RT: 12.445 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF133427.D
Acq: 17 May 2023 22:26

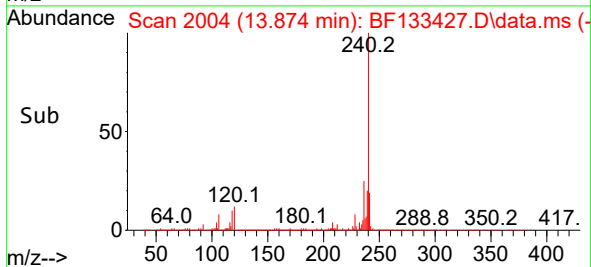
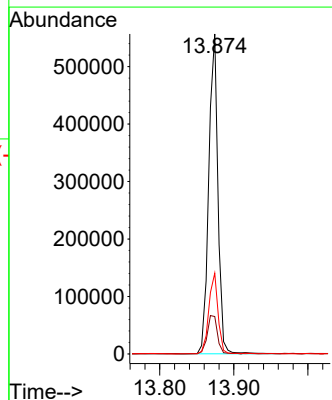
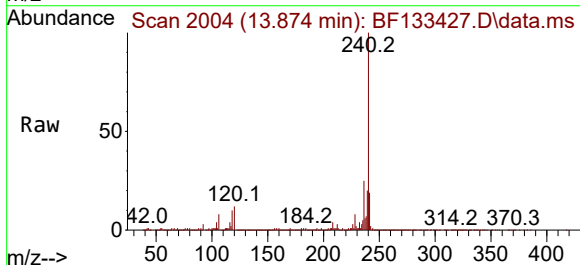
Instrument :
BNA_F
ClientSampleId :
WG-0516-B2-0-10

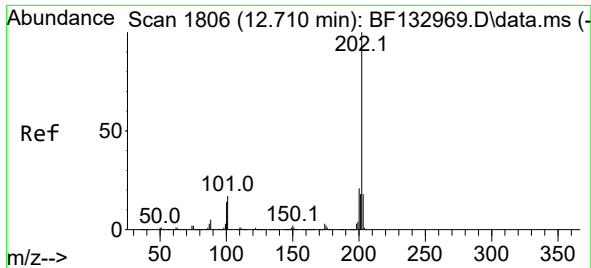
Tgt Ion:202 Resp: 492821
Ion Ratio Lower Upper
202 100
101 14.2 0.0 35.3
203 17.9 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.874 min Scan# 2004
Delta R.T. -0.012 min
Lab File: BF133427.D
Acq: 17 May 2023 22:26

Tgt Ion:240 Resp: 479847
Ion Ratio Lower Upper
240 100
120 11.7 10.5 15.7
236 25.3 21.5 32.3

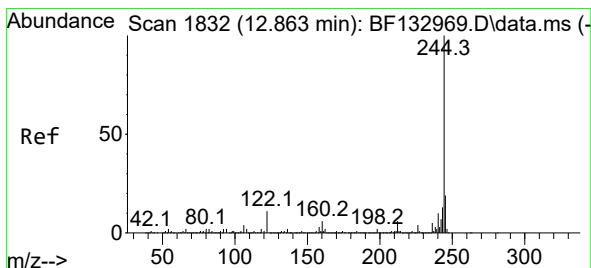
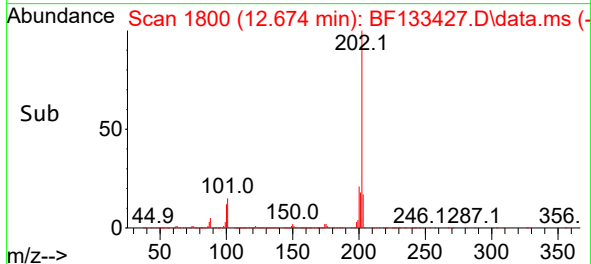
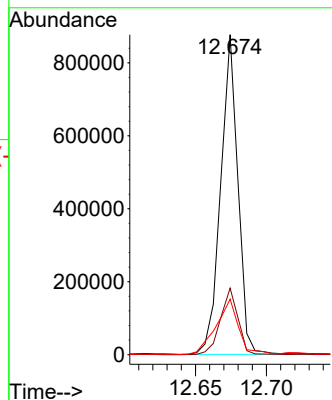
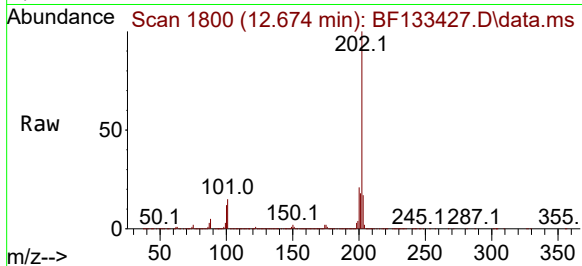




#78
Pyrene
Concen: 17.942 ng
RT: 12.674 min Scan# 1800
Delta R.T. -0.012 min
Lab File: BF133427.D
Acq: 17 May 2023 22:26

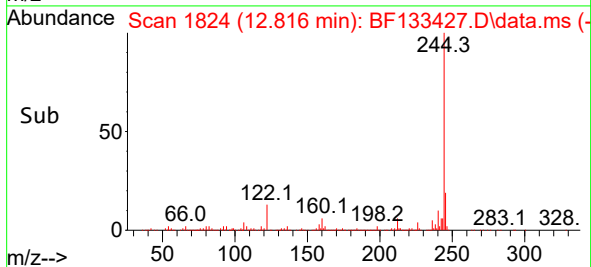
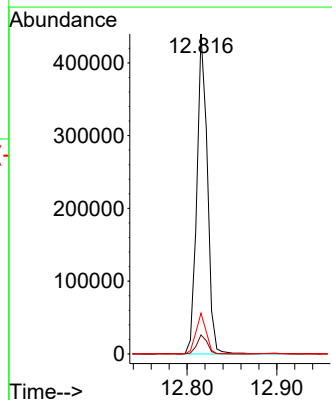
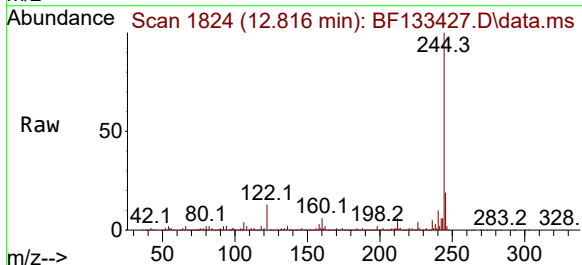
Instrument :
BNA_F
ClientSampleId :
WG-0516-B2-0-10

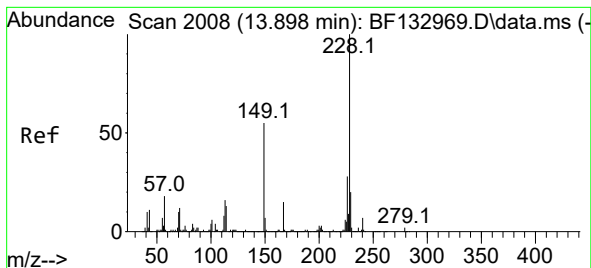
Tgt Ion:202 Resp: 738019
Ion Ratio Lower Upper
202 100
200 20.8 17.1 25.7
203 17.3 14.1 21.1



#79
Terphenyl-d14
Concen: 12.902 ng
RT: 12.816 min Scan# 1824
Delta R.T. -0.018 min
Lab File: BF133427.D
Acq: 17 May 2023 22:26

Tgt Ion:244 Resp: 358969
Ion Ratio Lower Upper
244 100
212 6.0 5.1 7.7
122 12.8 8.6 13.0





#81

Benzo(a)anthracene

Concen: 8.423 ng

RT: 13.862 min Scan# 2002

Delta R.T. -0.012 min

Lab File: BF133427.D

Acq: 17 May 2023 22:26

Instrument :

BNA_F

ClientSampleId :

WG-0516-B2-0-10

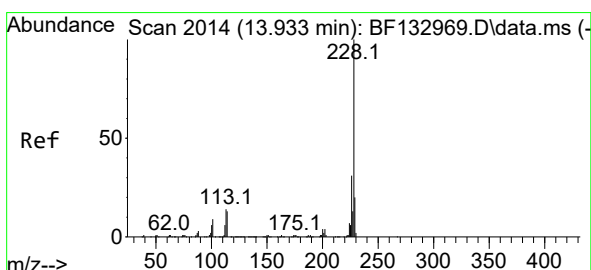
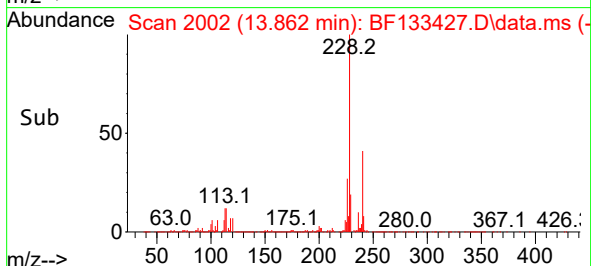
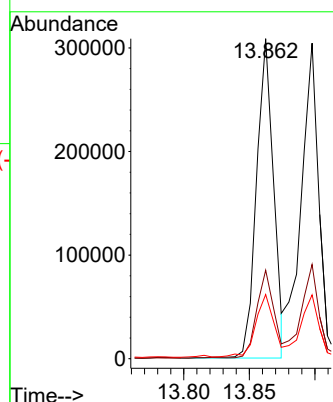
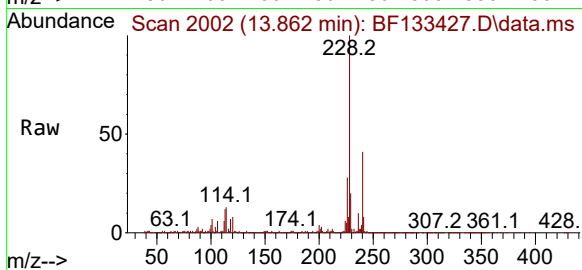
Tgt Ion:228 Resp: 277930

Ion Ratio Lower Upper

228 100

226 27.6 22.2 33.4

229 20.0 16.0 24.0



#83

Chrysene

Concen: 8.120 ng

RT: 13.898 min Scan# 2008

Delta R.T. -0.012 min

Lab File: BF133427.D

Acq: 17 May 2023 22:26

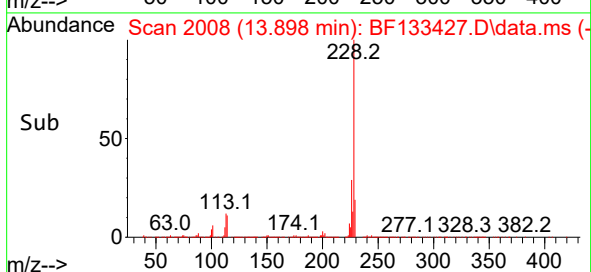
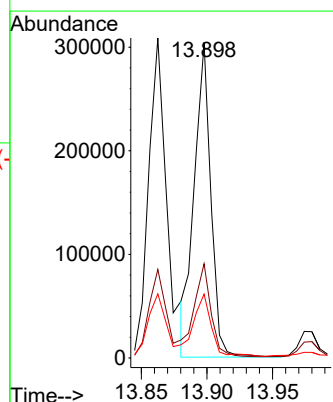
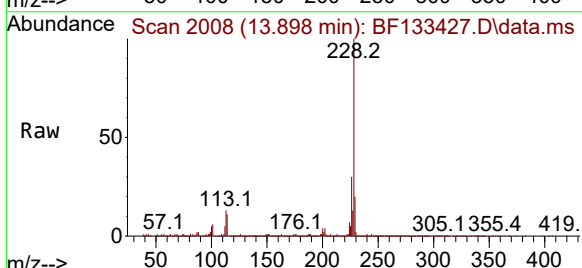
Tgt Ion:228 Resp: 267863

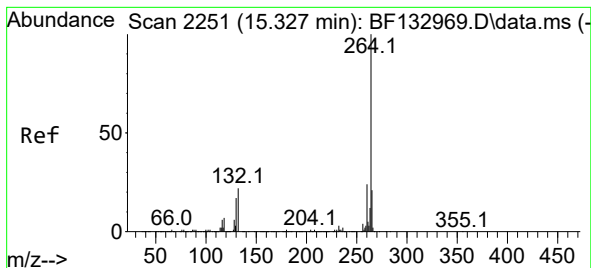
Ion Ratio Lower Upper

228 100

226 29.9 24.7 37.1

229 20.2 16.1 24.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.298 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF133427.D

Acq: 17 May 2023 22:26

Instrument :

BNA_F

ClientSampleId :

WG-0516-B2-0-10

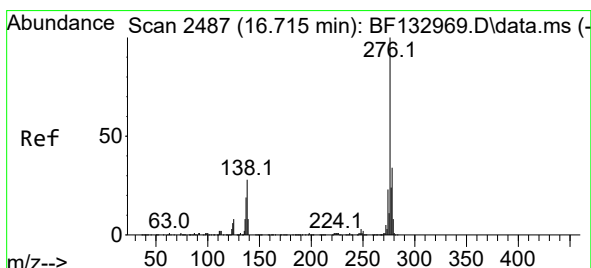
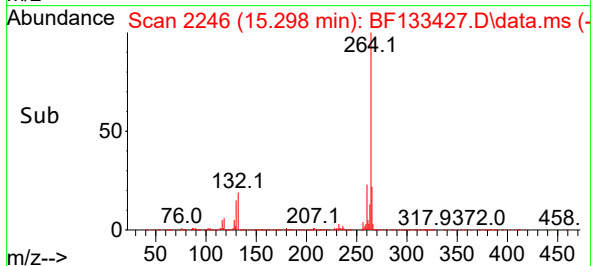
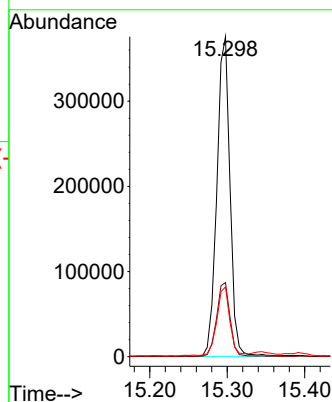
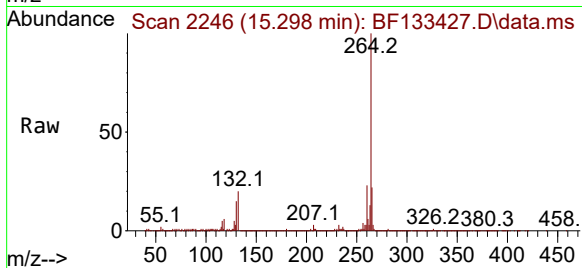
Tgt Ion:264 Resp: 440628

Ion Ratio Lower Upper

264 100

260 23.1 18.8 28.2

265 21.8 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.078 ng

RT: 16.668 min Scan# 2479

Delta R.T. -0.030 min

Lab File: BF133427.D

Acq: 17 May 2023 22:26

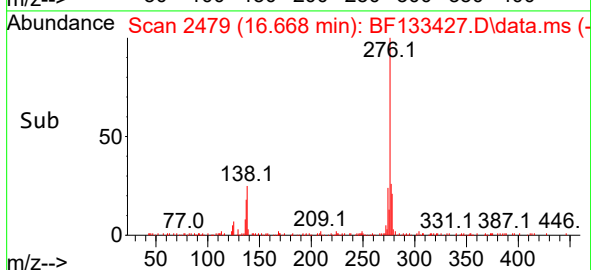
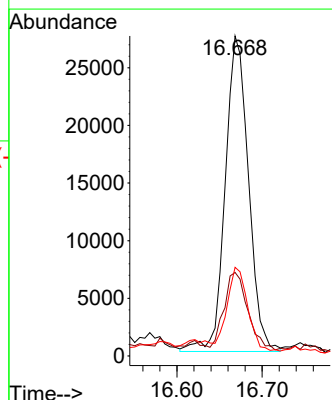
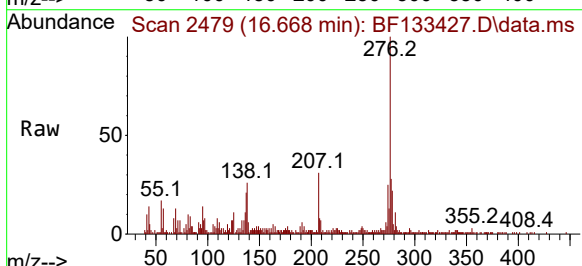
Tgt Ion:276 Resp: 52088

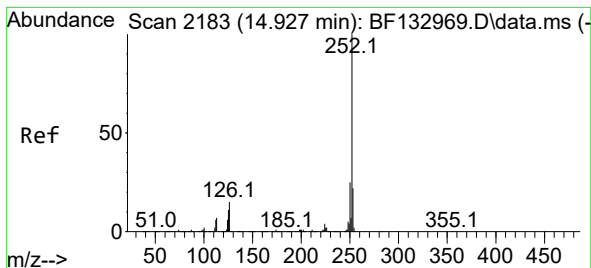
Ion Ratio Lower Upper

276 100

138 27.0 25.5 38.3

277 24.0 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 9.067 ng

RT: 14.892 min Scan# 2177

Delta R.T. -0.006 min

Lab File: BF133427.D

Acq: 17 May 2023 22:26

Instrument :

BNA_F

ClientSampleId :

WG-0516-B2-0-10

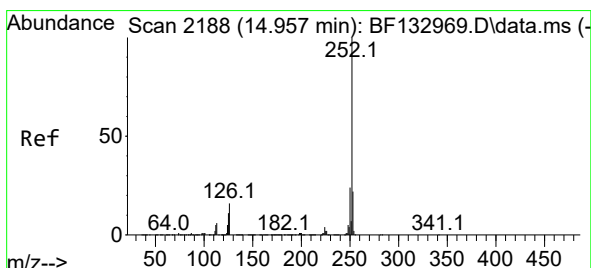
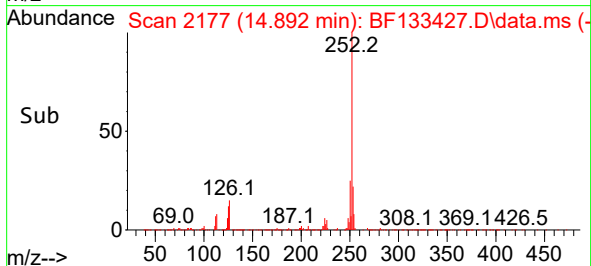
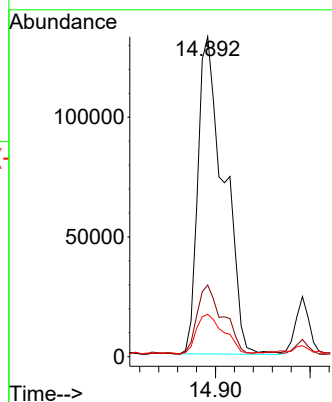
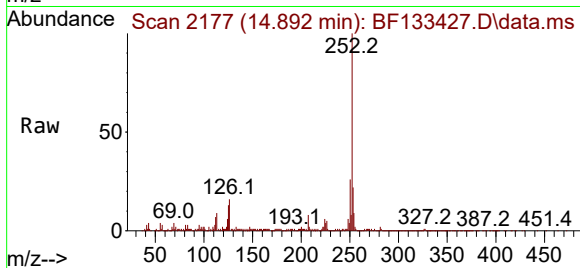
Tgt Ion:252 Resp: 254166

Ion Ratio Lower Upper

252 100

253 22.4 17.6 26.4

125 13.2 8.9 13.3



#89

Benzo(k)fluoranthene

Concen: 9.147 ng

RT: 14.892 min Scan# 2177

Delta R.T. -0.035 min

Lab File: BF133427.D

Acq: 17 May 2023 22:26

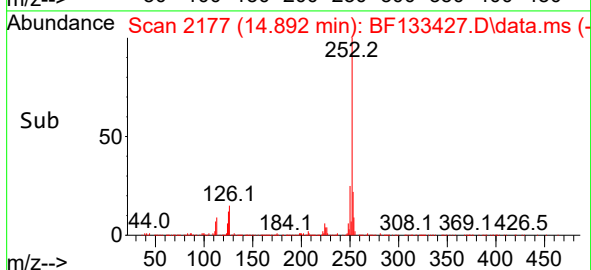
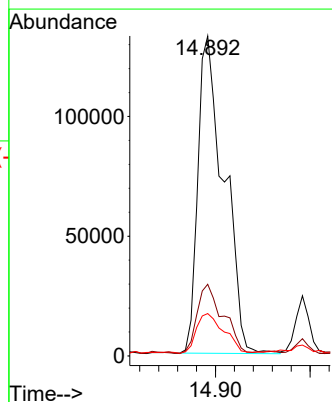
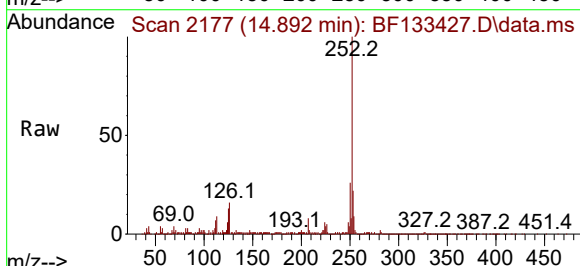
Tgt Ion:252 Resp: 254166

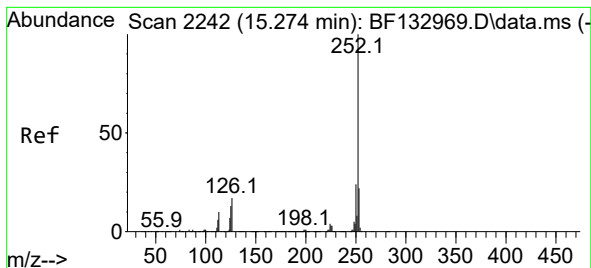
Ion Ratio Lower Upper

252 100

253 22.4 17.7 26.5

125 13.2 9.0 13.4





#90

Benzo(a)pyrene

Concen: 6.730 ng

RT: 15.233 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF133427.D

Acq: 17 May 2023 22:26

Instrument :

BNA_F

ClientSampleId :

WG-0516-B2-0-10

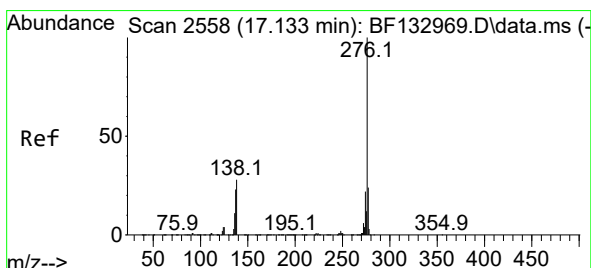
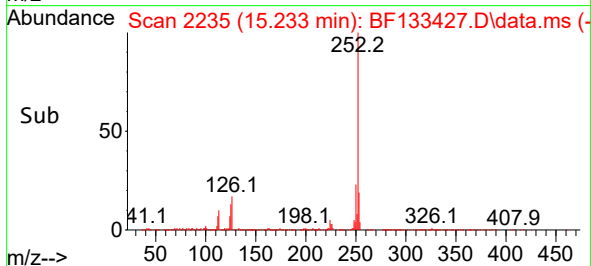
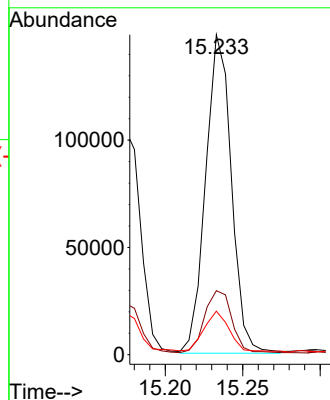
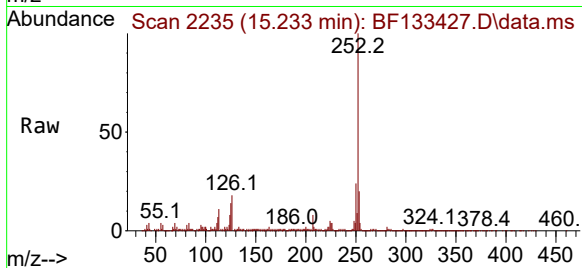
Tgt Ion:252 Resp: 171705

Ion Ratio Lower Upper

252 100

253 20.0 17.7 26.5

125 13.6 10.5 15.7



#92

Benzo(g,h,i)perylene

Concen: 2.559 ng

RT: 17.086 min Scan# 2550

Delta R.T. -0.024 min

Lab File: BF133427.D

Acq: 17 May 2023 22:26

Tgt Ion:276 Resp: 52820

Ion Ratio Lower Upper

276 100

277 24.8 19.4 29.0

138 24.6 22.7 34.1

