

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052423\
 Data File : BF133480.D
 Acq On : 24 May 2023 20:12
 Operator : CG\JU
 Sample : 02899-05 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC01

Quant Time: May 25 05:22:30 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 24 02:41:39 2023
 Response via : Initial Calibration

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

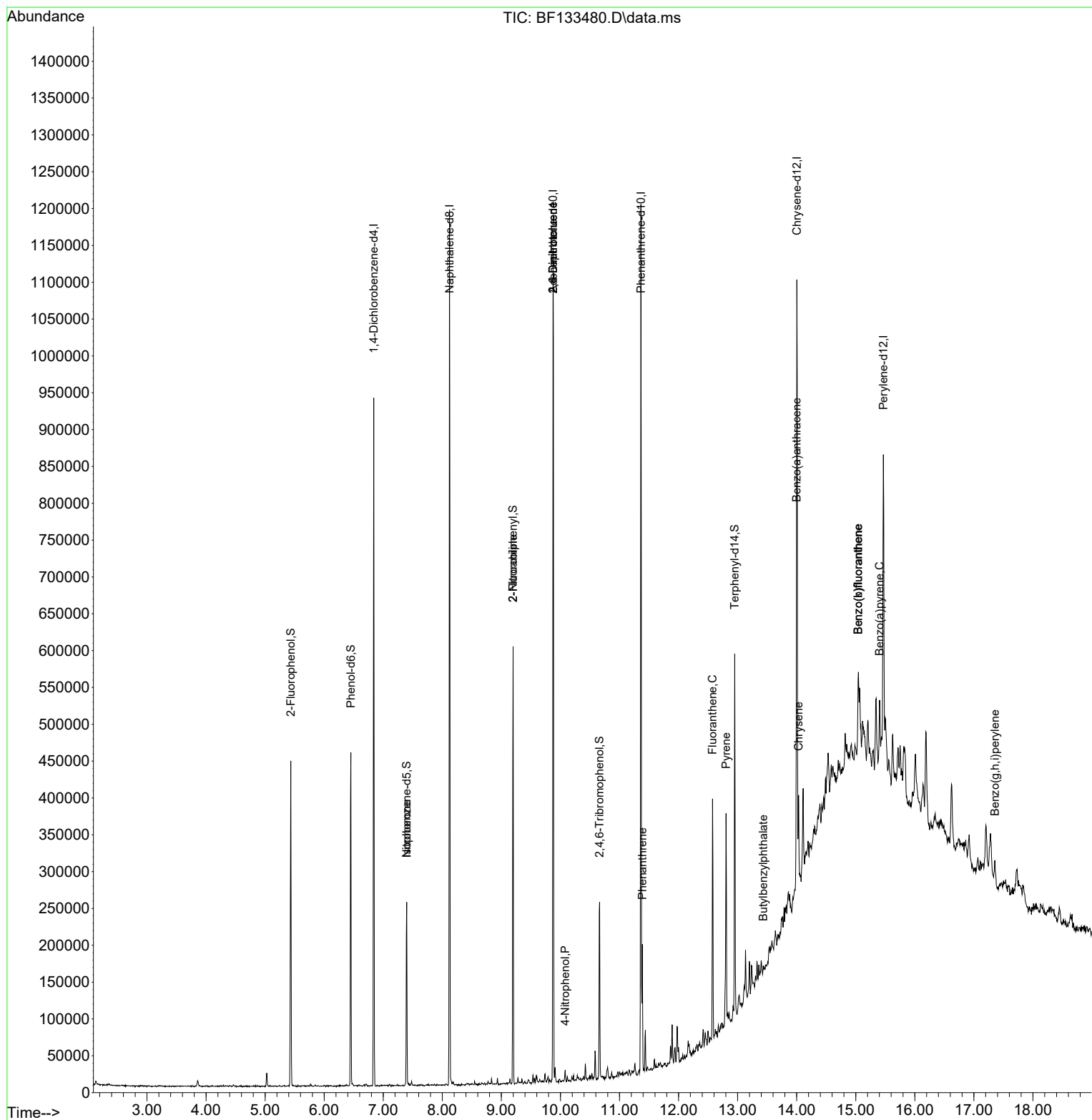
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	116819	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	453623	20.000	ng	0.00
39) Acenaphthene-d10	9.874	164	218352	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	390139	20.000	ng	0.00
76) Chrysene-d12	14.004	240	249305	20.000	ng	0.00
86) Perylene-d12	15.468	264	180180	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	99273	13.891	ng	-0.01
7) Phenol-d6	6.451	99	122135	14.217	ng	-0.01
23) Nitrobenzene-d5	7.398	82	61728	9.408	ng	-0.01
42) 2,4,6-Tribromophenol	10.663	330	25044	12.416	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	158058	10.184	ng	0.00
79) Terphenyl-d14	12.951	244	148772	11.409	ng	0.00
Target Compounds						Qvalue
25) Isophorone	7.398	82	61726	3.998	ng	# 66
48) 2-Nitroaniline	9.198	65	263	5.545	ng	# 1
51) 2,6-Dinitrotoluene	9.874	165	28307	13.522	ng	# 16
56) 4-Nitrophenol	10.080	139	1171	5.665	ng	# 6
57) 2,4-Dinitrotoluene	9.874	165	28307	12.803	ng	# 17
71) Phenanthrene	11.386	178	54304	2.688	ng	98
75) Fluoranthene	12.574	202	118821	5.463	ng	99
78) Pyrene	12.804	202	110226	5.424	ng	98
80) Butylbenzylphthalate	13.433	149	1270	3.526	ng	# 47
81) Benzo(a)anthracene	13.998	228	59027	3.488	ng	94
83) Chrysene	14.033	228	55786	3.246	ng	# 94
88) Benzo(b)fluoranthene	15.039	252	80642	7.201	ng	# 83
89) Benzo(k)fluoranthene	15.039	252	80642	7.410	ng	# 84
90) Benzo(a)pyrene	15.403	252	39135	3.709	ng	# 90
92) Benzo(g,h,i)perylene	17.356	276	24620	2.452	ng	# 90

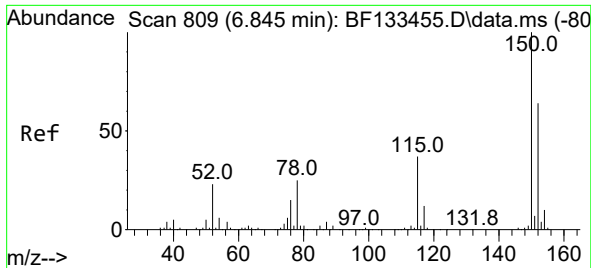
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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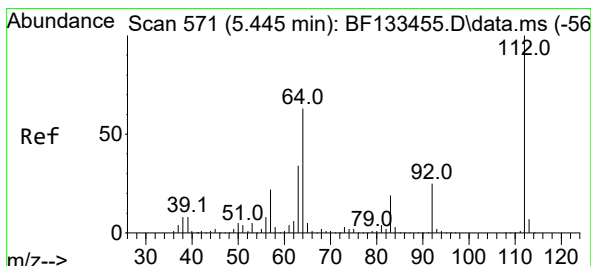
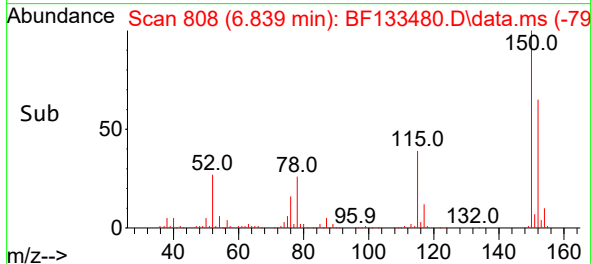
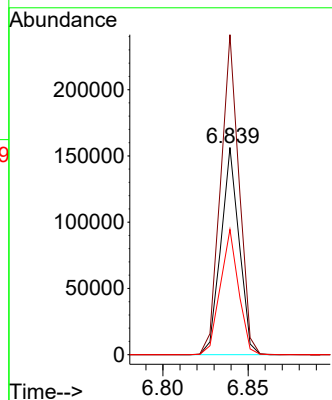
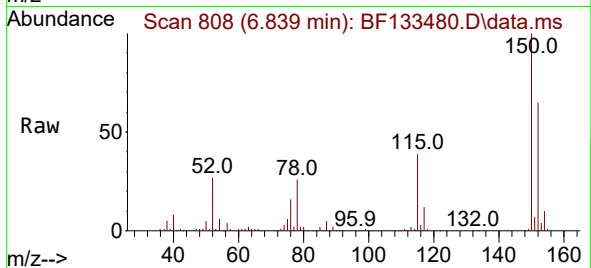




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 809
Delta R.T. -0.006 min
Lab File: BF133480.D
Acq: 24 May 2023 20:12

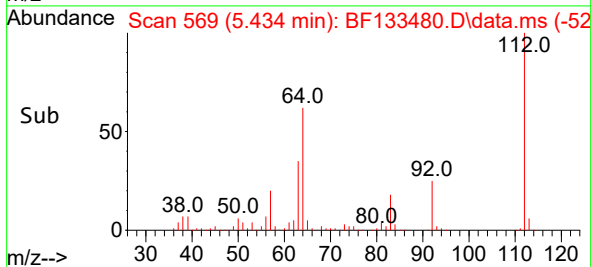
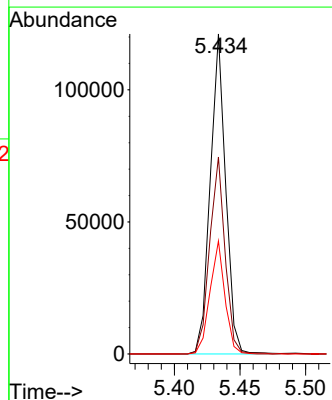
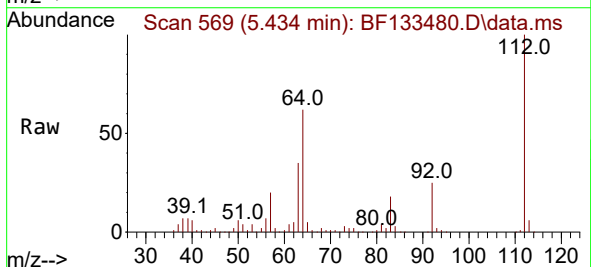
Instrument :
BNA_F
ClientSampleId :
WC01

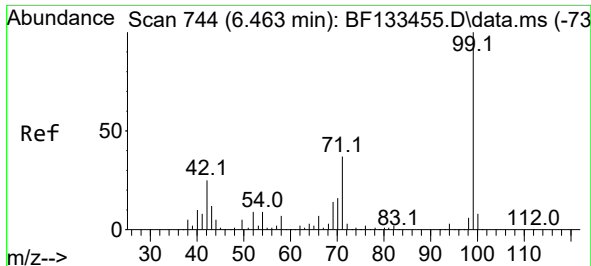
Tgt Ion:152 Resp: 116819
Ion Ratio Lower Upper
152 100
150 154.4 125.6 188.4
115 60.4 47.0 70.4



#5
2-Fluorophenol
Concen: 13.891 ng
RT: 5.434 min Scan# 569
Delta R.T. -0.012 min
Lab File: BF133480.D
Acq: 24 May 2023 20:12

Tgt Ion:112 Resp: 99273
Ion Ratio Lower Upper
112 100
64 61.5 50.2 75.4
63 35.3 27.2 40.8

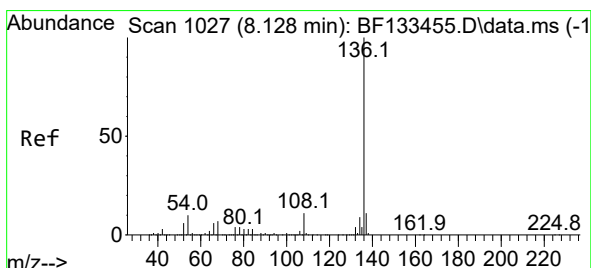
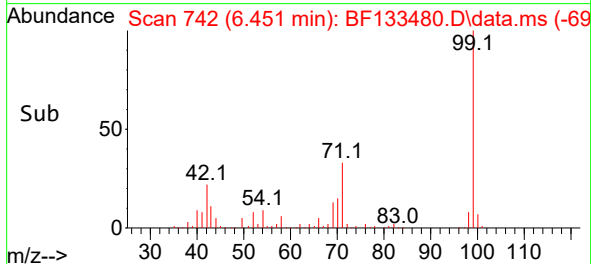
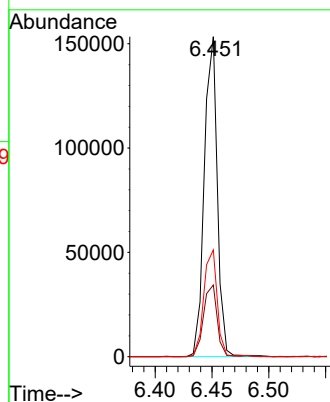
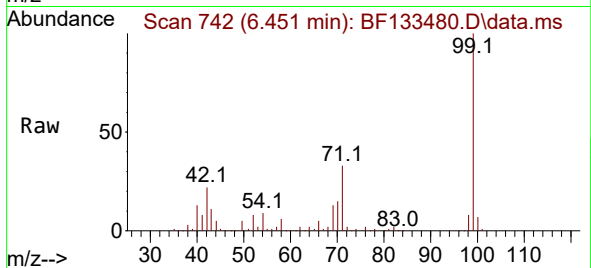




#7
Phenol-d6
Concen: 14.217 ng
RT: 6.451 min Scan# 744
Delta R.T. -0.012 min
Lab File: BF133480.D
Acq: 24 May 2023 20:12

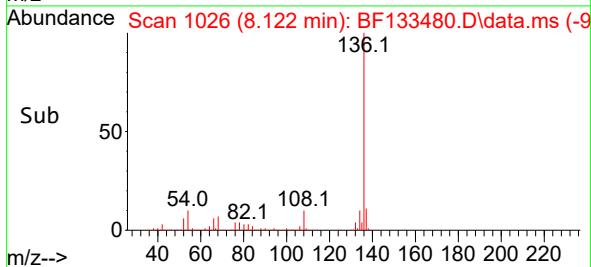
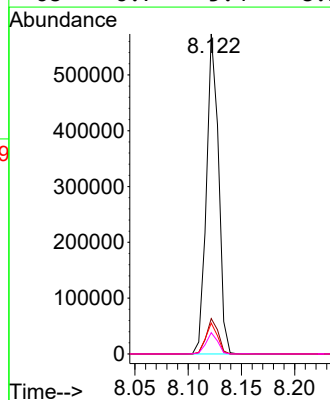
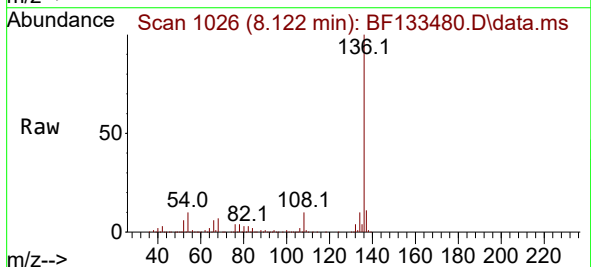
Instrument :
BNA_F
ClientSampleId :
WC01

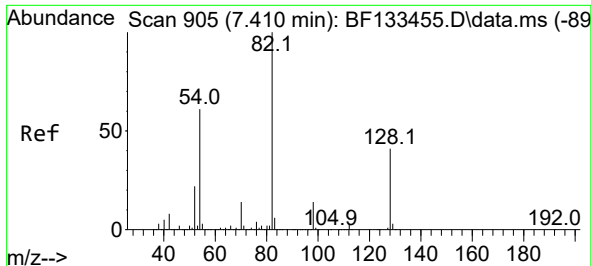
Tgt Ion: 99 Resp: 122135
Ion Ratio Lower Upper
99 100
42 22.4 19.6 29.4
71 33.3 29.5 44.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF133480.D
Acq: 24 May 2023 20:12

Tgt Ion:136 Resp: 453623
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 9.7 8.0 12.0
68 6.7 5.4 8.2





#23

Nitrobenzene-d5

Concen: 9.408 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.012 min

Lab File: BF133480.D

Acq: 24 May 2023 20:12

Instrument :

BNA_F

ClientSampleId :

WC01

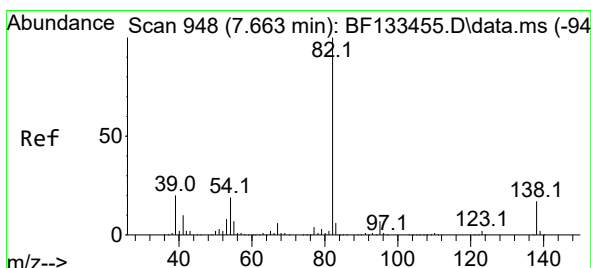
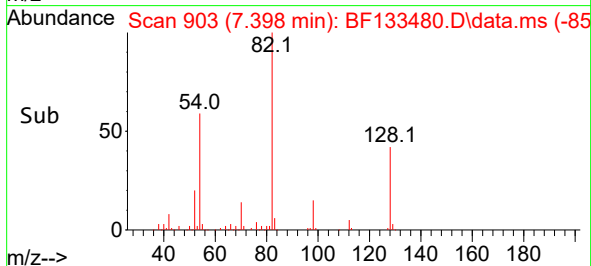
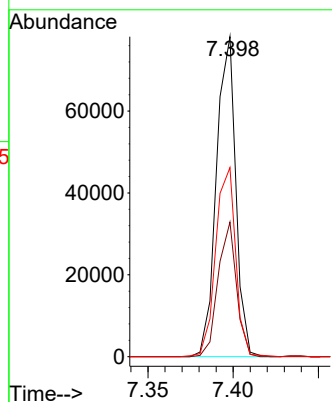
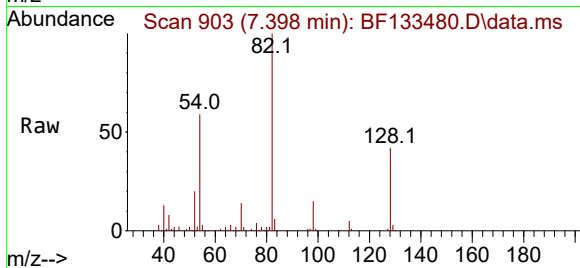
Tgt Ion: 82 Resp: 61728

Ion Ratio Lower Upper

82 100

128 42.1 33.0 49.6

54 59.1 48.5 72.7



#25

Isophorone

Concen: 3.998 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.265 min

Lab File: BF133480.D

Acq: 24 May 2023 20:12

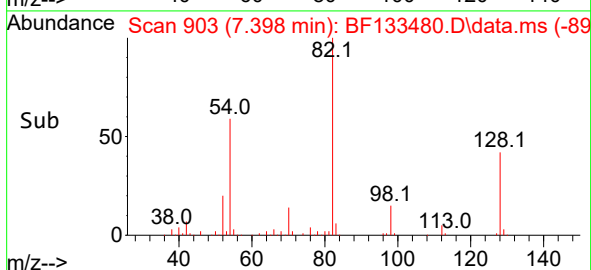
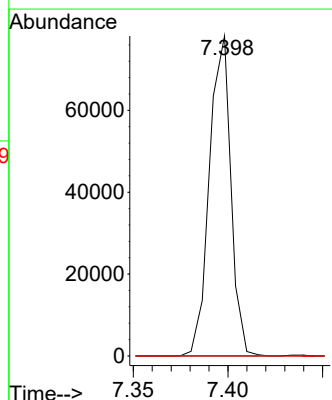
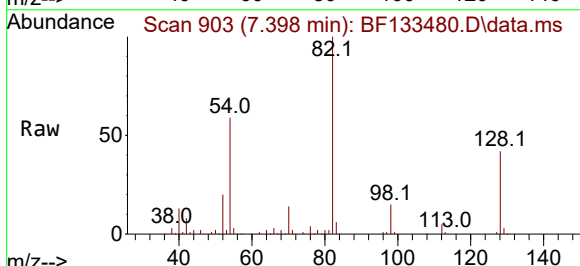
Tgt Ion: 82 Resp: 61726

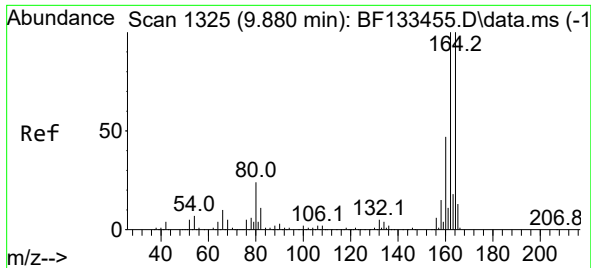
Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

138 0.0 13.5 20.3#

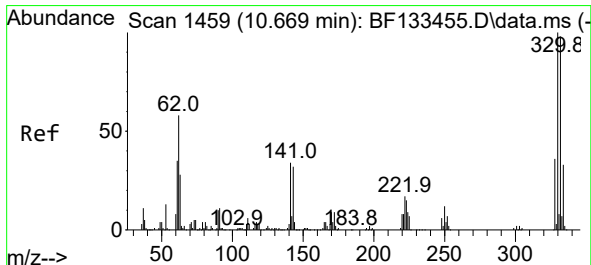
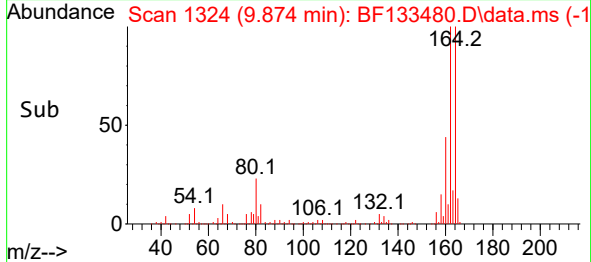
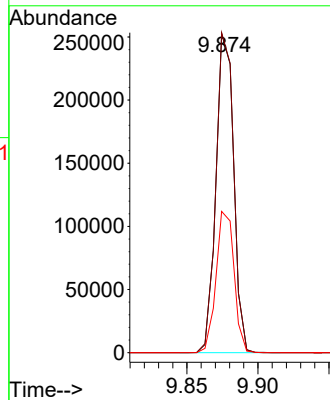
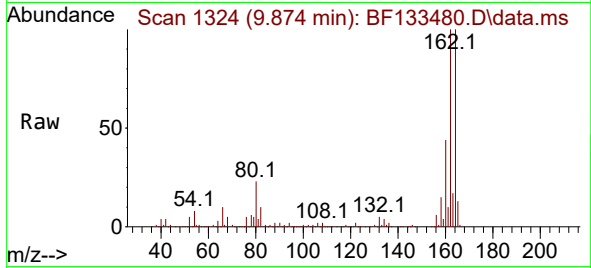




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.874 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133480.D
Acq: 24 May 2023 20:12

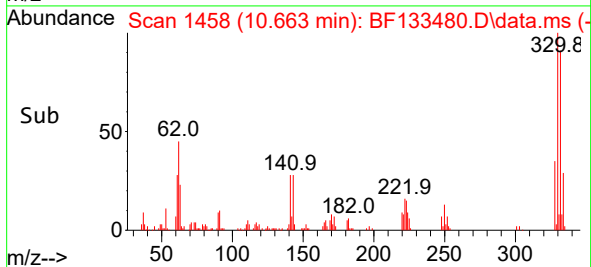
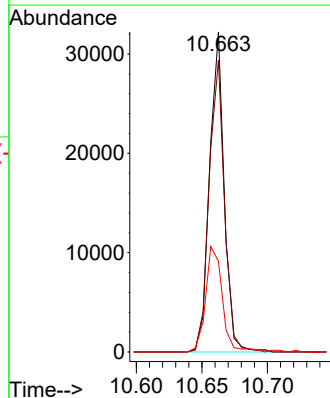
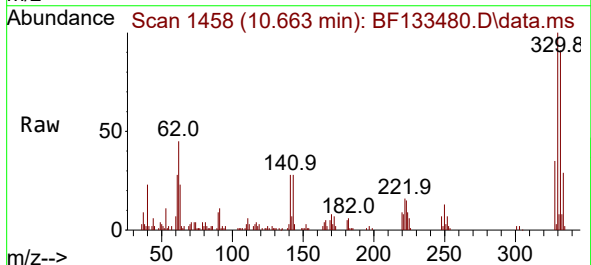
Instrument :
BNA_F
ClientSampleId :
WC01

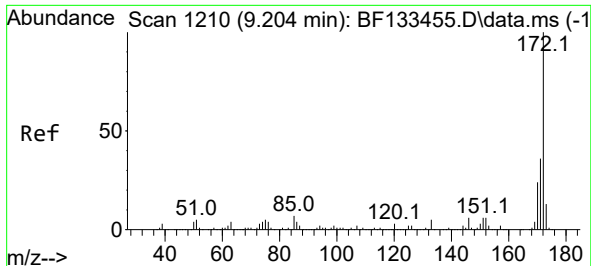
Tgt Ion:164 Resp: 218352
Ion Ratio Lower Upper
164 100
162 100.4 79.8 119.6
160 44.3 37.4 56.0



#42
2,4,6-Tribromophenol
Concen: 12.416 ng
RT: 10.663 min Scan# 1458
Delta R.T. -0.006 min
Lab File: BF133480.D
Acq: 24 May 2023 20:12

Tgt Ion:330 Resp: 25044
Ion Ratio Lower Upper
330 100
332 95.8 77.0 115.6
141 37.5 28.5 42.7





#45

2-Fluorobiphenyl

Concen: 10.184 ng

RT: 9.198 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133480.D

Acq: 24 May 2023 20:12

Instrument :

BNA_F

ClientSampleId :

WC01

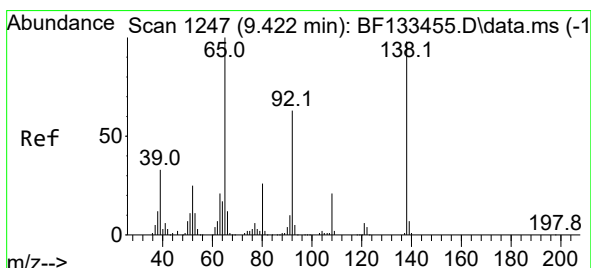
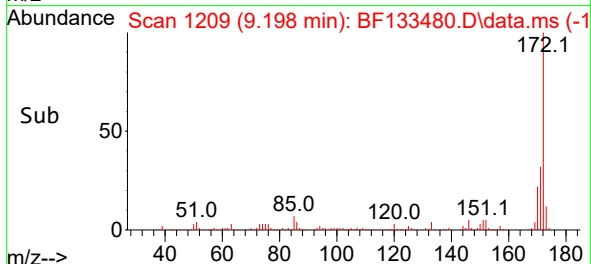
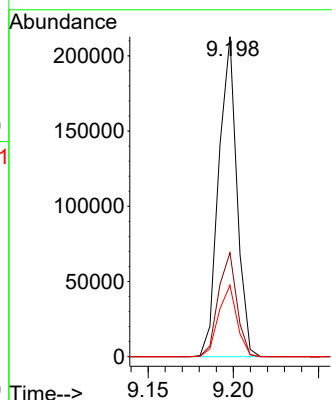
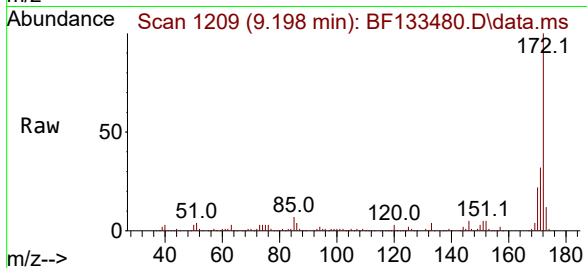
Tgt Ion:172 Resp: 158058

Ion Ratio Lower Upper

172 100

171 32.5 28.5 42.7

170 22.3 19.0 28.4



#48

2-Nitroaniline

Concen: 5.545 ng

RT: 9.198 min Scan# 1209

Delta R.T. -0.224 min

Lab File: BF133480.D

Acq: 24 May 2023 20:12

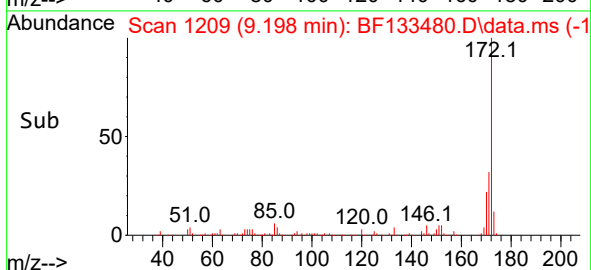
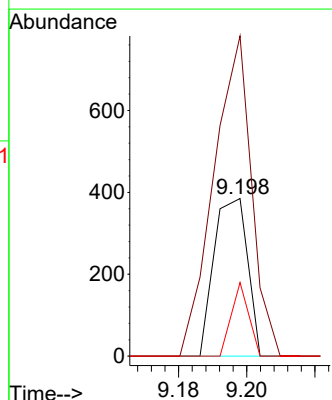
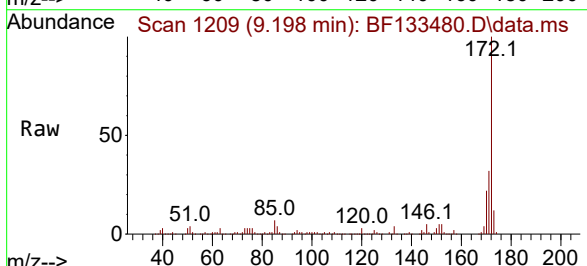
Tgt Ion: 65 Resp: 263

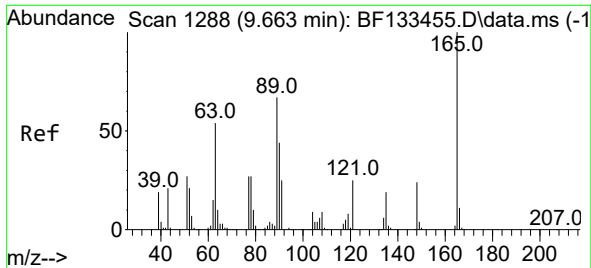
Ion Ratio Lower Upper

65 100

92 203.1 50.1 75.1#

138 46.8 78.6 118.0#

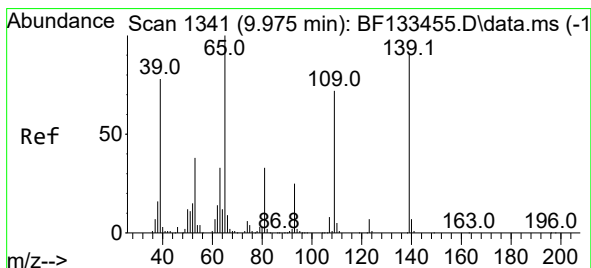
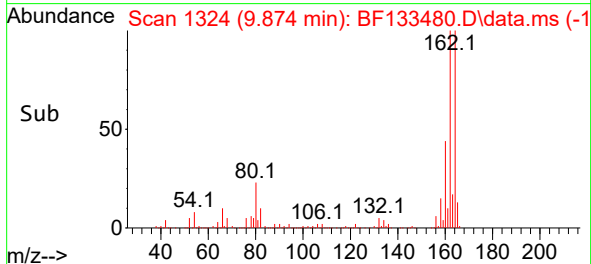
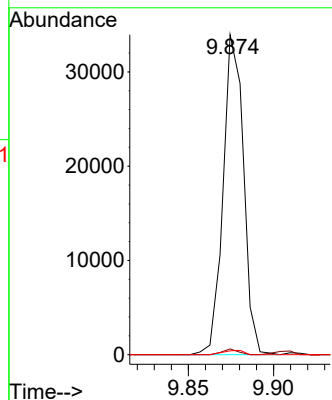
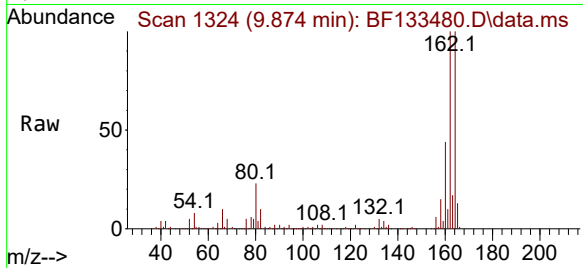




#51
2,6-Dinitrotoluene
Concen: 13.522 ng
RT: 9.874 min Scan# 11
Delta R.T. 0.211 min
Lab File: BF133480.D
Acq: 24 May 2023 20:12

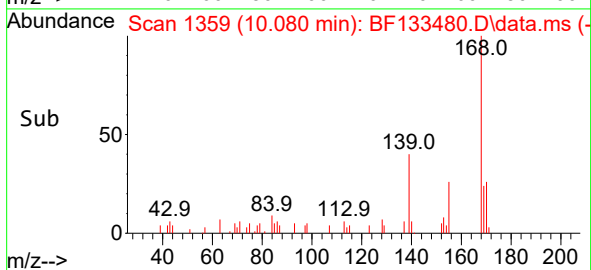
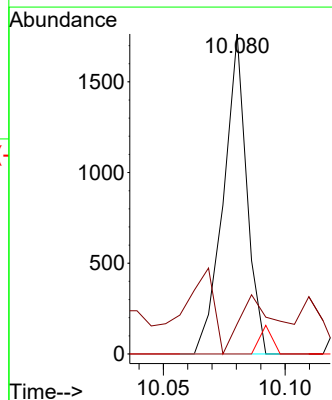
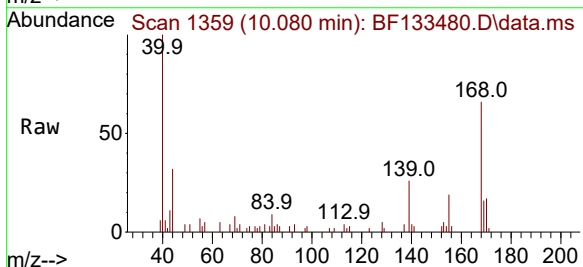
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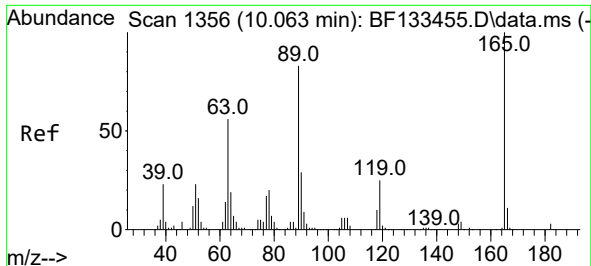
Tgt Ion:165 Resp: 28307
Ion Ratio Lower Upper
165 100
63 1.8 61.0 91.4#
89 1.2 53.5 80.3#



#56
4-Nitrophenol
Concen: 5.665 ng
RT: 10.080 min Scan# 1359
Delta R.T. 0.105 min
Lab File: BF133480.D
Acq: 24 May 2023 20:12

Tgt Ion:139 Resp: 1171
Ion Ratio Lower Upper
139 100
109 9.4 59.5 99.5#
65 0.0 90.1 130.1#

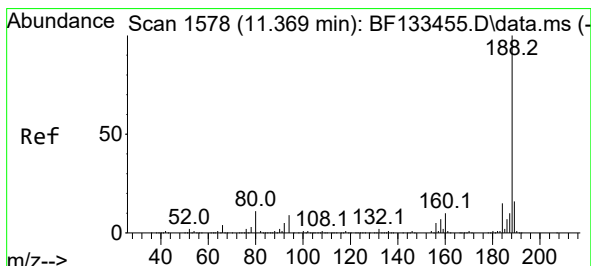
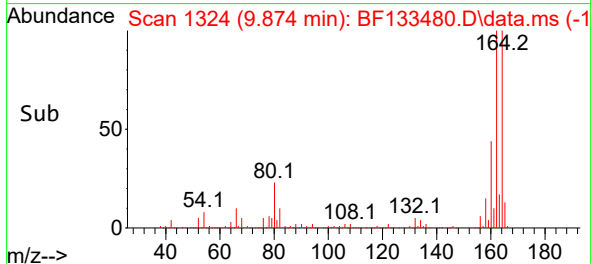
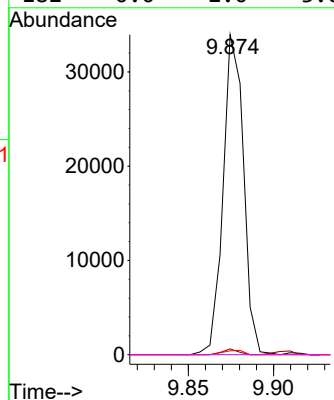
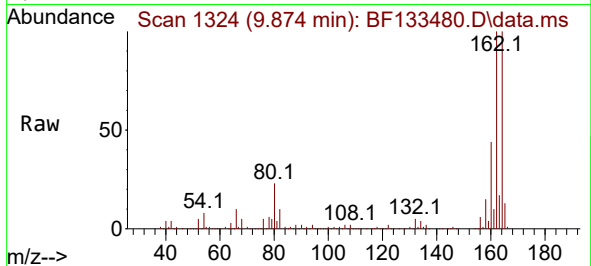




#57
2,4-Dinitrotoluene
Concen: 12.803 ng
RT: 9.874 min Scan# 11
Delta R.T. -0.189 min
Lab File: BF133480.D
Acq: 24 May 2023 20:12

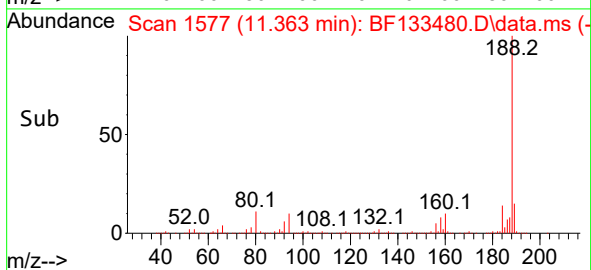
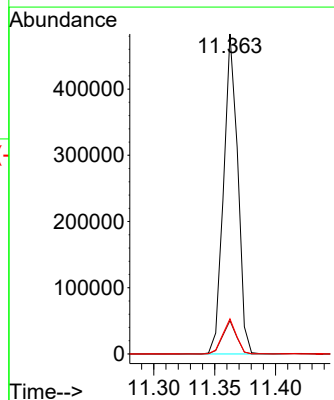
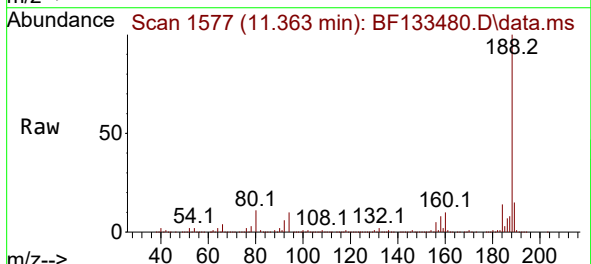
Instrument :
BNA_F
ClientSampleId :
WC01

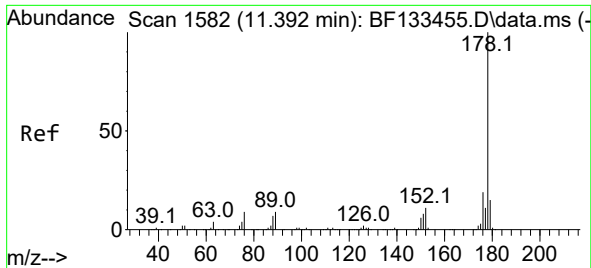
Tgt Ion:165 Resp: 28307
Ion Ratio Lower Upper
165 100
63 1.8 45.1 67.7#
89 1.2 66.7 100.1#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF133480.D
Acq: 24 May 2023 20:12

Tgt Ion:188 Resp: 390139
Ion Ratio Lower Upper
188 100
94 10.4 7.5 11.3
80 11.0 8.7 13.1

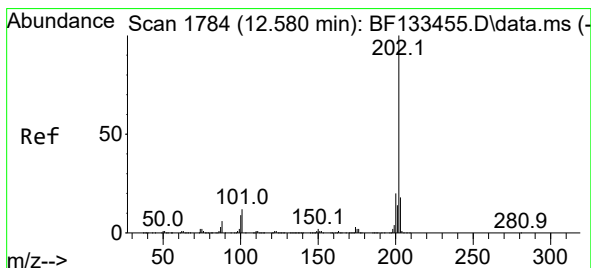
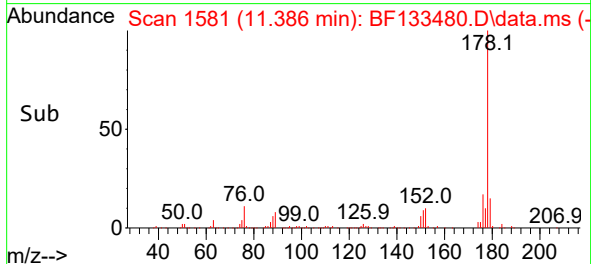
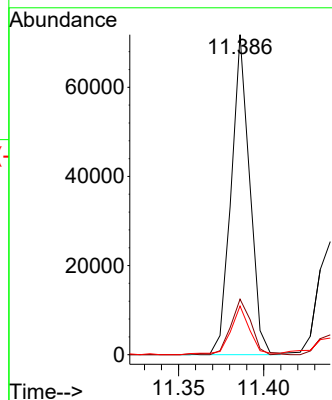
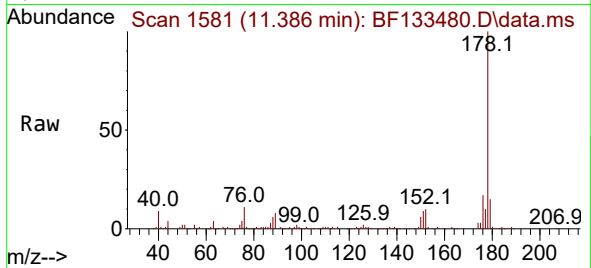




#71
Phenanthrene
Concen: 2.688 ng
RT: 11.386 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133480.D
Acq: 24 May 2023 20:12

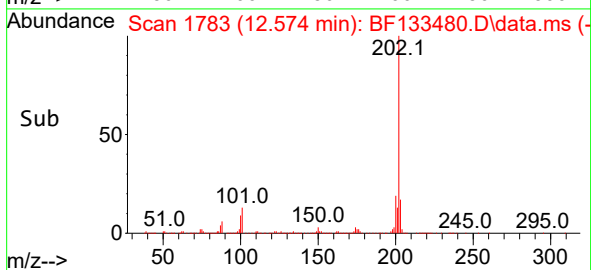
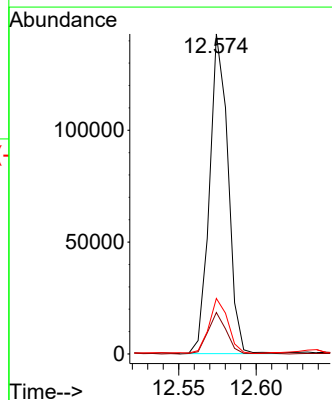
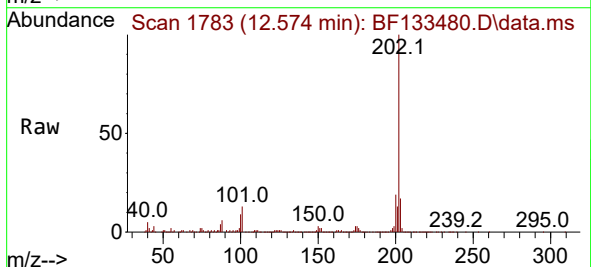
Instrument :
BNA_F
ClientSampleId :
WC01

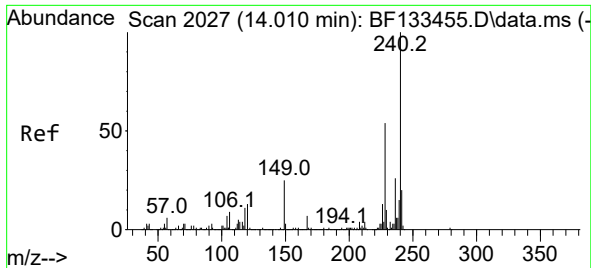
Tgt Ion:178 Resp: 54304
Ion Ratio Lower Upper
178 100
176 17.4 15.4 23.2
179 15.2 12.2 18.2



#75
Fluoranthene
Concen: 5.463 ng
RT: 12.574 min Scan# 1783
Delta R.T. -0.006 min
Lab File: BF133480.D
Acq: 24 May 2023 20:12

Tgt Ion:202 Resp: 118821
Ion Ratio Lower Upper
202 100
101 13.0 0.0 32.5
203 17.4 0.0 38.0

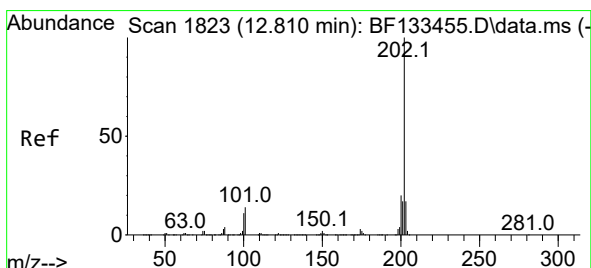
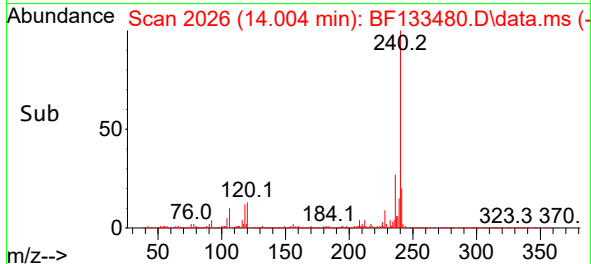
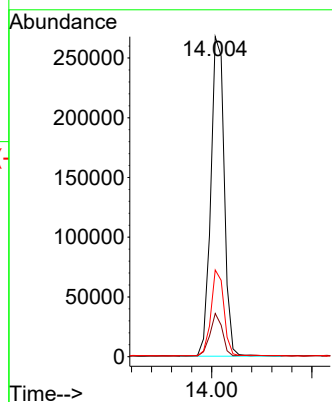
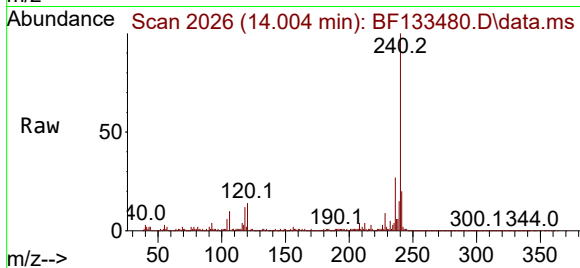




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF133480.D
Acq: 24 May 2023 20:12

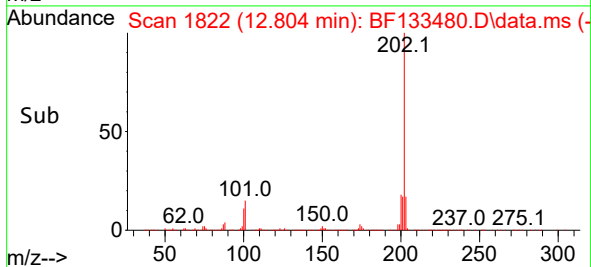
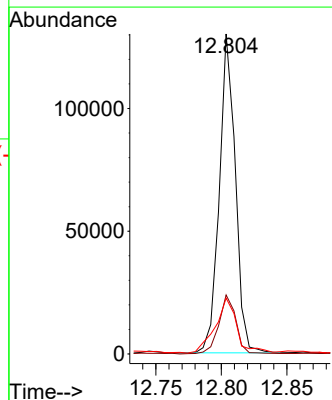
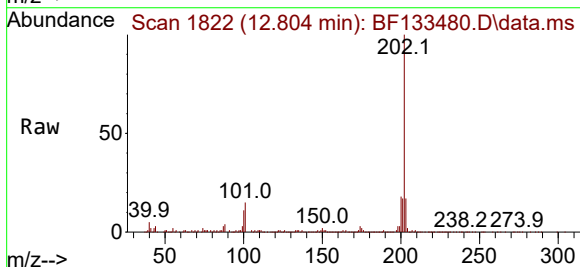
Instrument :
BNA_F
ClientSampleId :
WC01

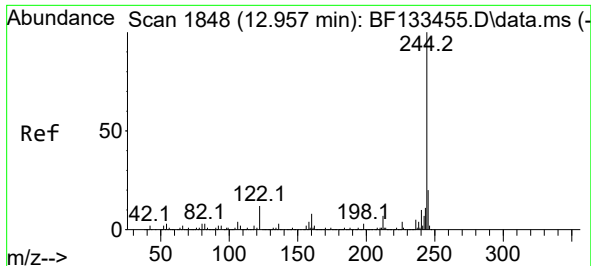
Tgt Ion:240 Resp: 249305
Ion Ratio Lower Upper
240 100
120 13.5 10.2 15.4
236 27.1 20.9 31.3



#78
Pyrene
Concen: 5.424 ng
RT: 12.804 min Scan# 1822
Delta R.T. -0.006 min
Lab File: BF133480.D
Acq: 24 May 2023 20:12

Tgt Ion:202 Resp: 110226
Ion Ratio Lower Upper
202 100
200 18.4 16.2 24.2
203 17.5 13.9 20.9

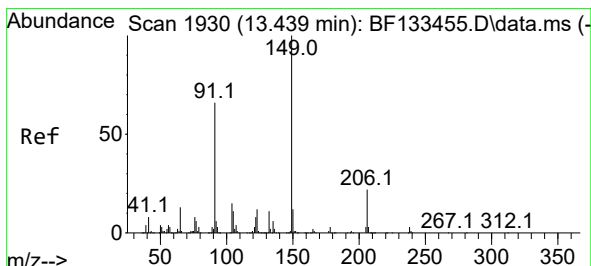
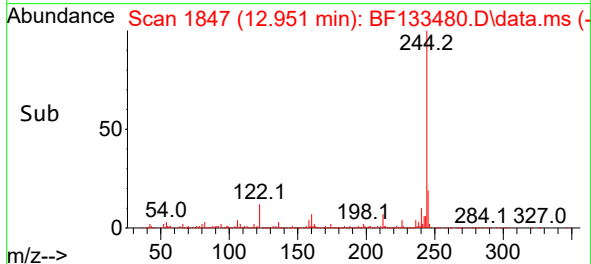
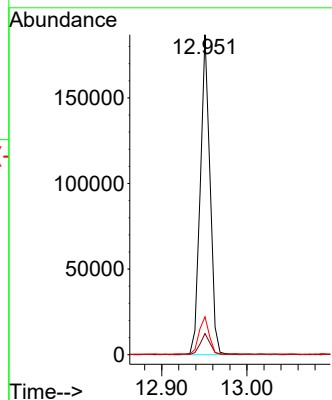
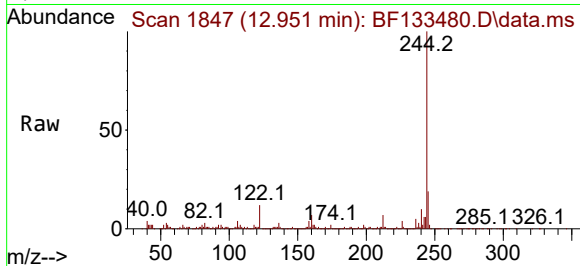




#79
 Terphenyl-d14
 Concen: 11.409 ng
 RT: 12.951 min Scan# 1847
 Delta R.T. -0.006 min
 Lab File: BF133480.D
 Acq: 24 May 2023 20:12

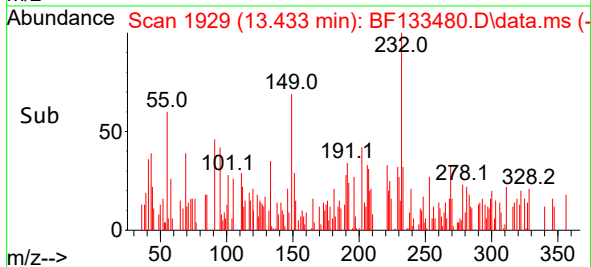
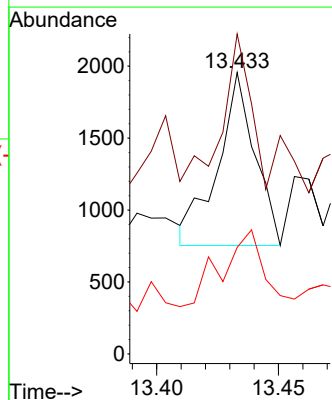
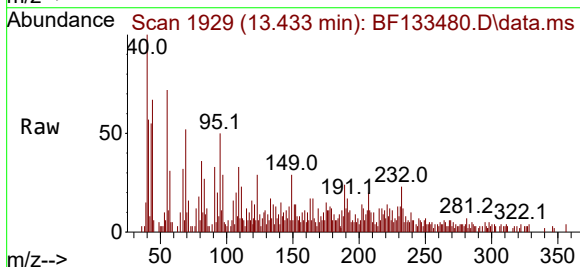
Instrument :
 BNA_F
 ClientSampleId :
 WC01

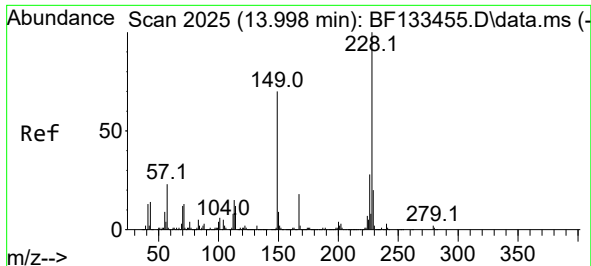
Tgt Ion:244 Resp: 148772
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.6 8.4
 122 11.8 9.4 14.0



#80
 Butylbenzylphthalate
 Concen: 3.526 ng
 RT: 13.433 min Scan# 1929
 Delta R.T. -0.006 min
 Lab File: BF133480.D
 Acq: 24 May 2023 20:12

Tgt Ion:149 Resp: 1270
 Ion Ratio Lower Upper
 149 100
 91 113.7 53.1 79.7#
 206 37.8 17.4 26.0#

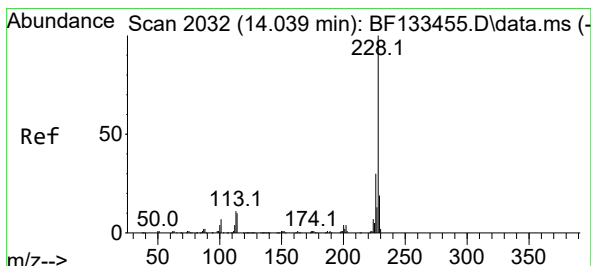
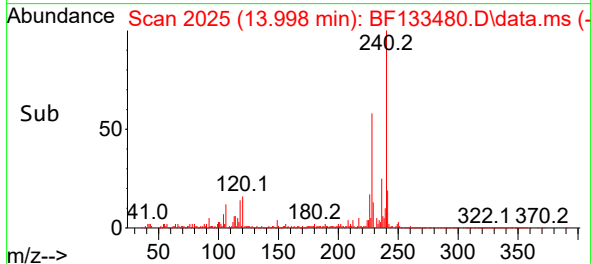
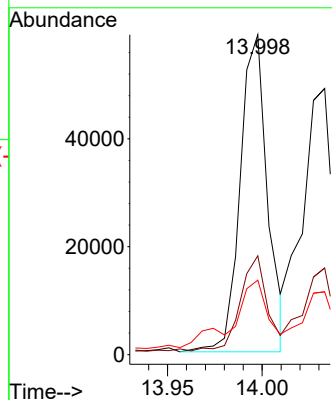
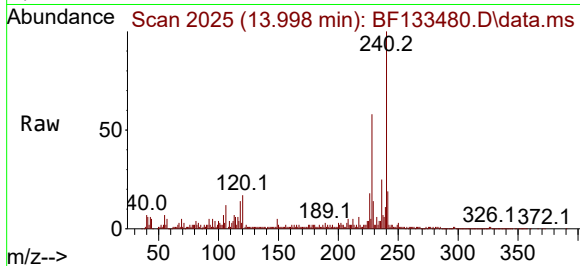




#81
Benzo(a)anthracene
Concen: 3.488 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.000 min
Lab File: BF133480.D
Acq: 24 May 2023 20:12

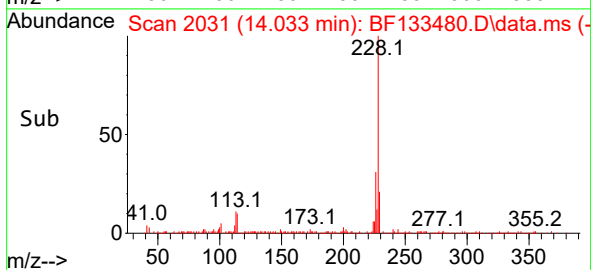
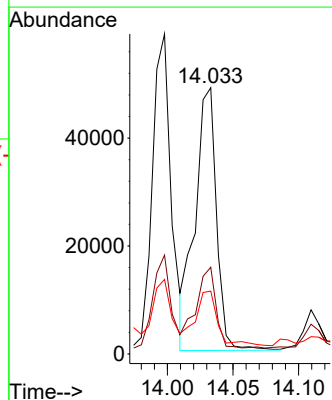
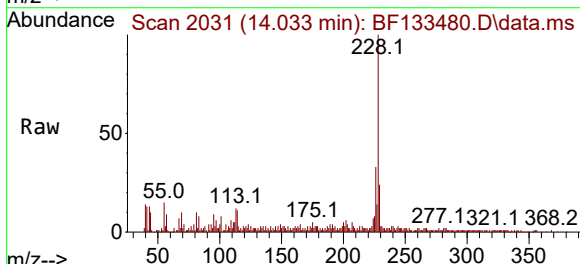
Instrument :
BNA_F
ClientSampleId :
WC01

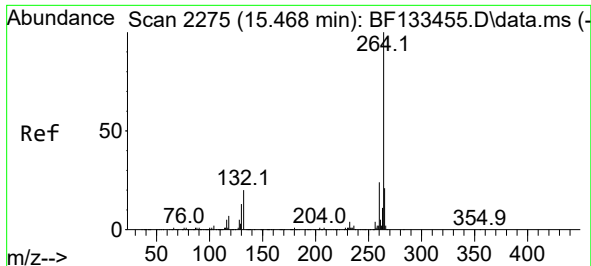
Tgt Ion:228 Resp: 59027
Ion Ratio Lower Upper
228 100
226 30.9 22.2 33.4
229 23.3 16.3 24.5



#83
Chrysene
Concen: 3.246 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF133480.D
Acq: 24 May 2023 20:12

Tgt Ion:228 Resp: 55786
Ion Ratio Lower Upper
228 100
226 32.6 24.3 36.5
229 23.6 15.4 23.2#



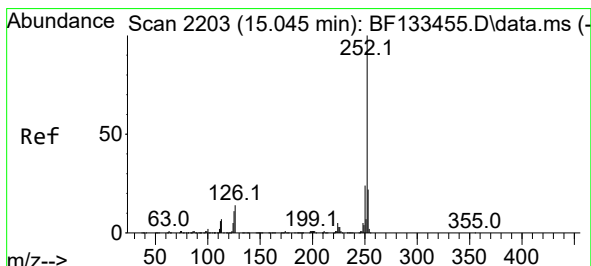
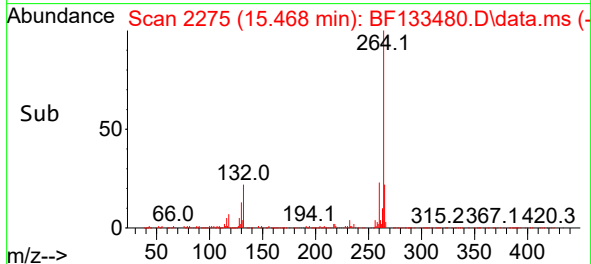
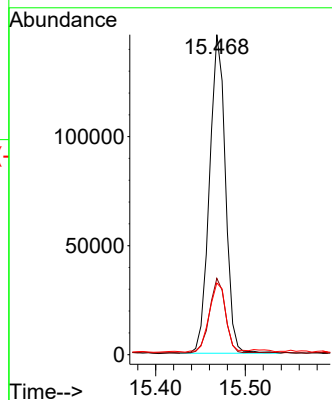
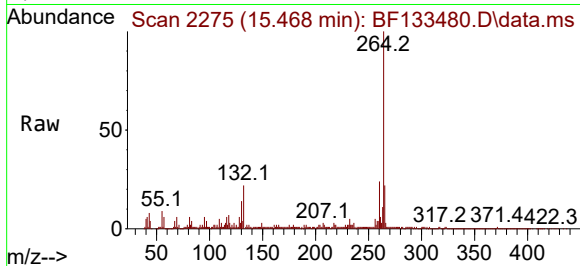


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.468 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF133480.D
Acq: 24 May 2023 20:12

Instrument :
BNA_F
ClientSampleId :
WC01

Tgt Ion:264 Resp: 180180

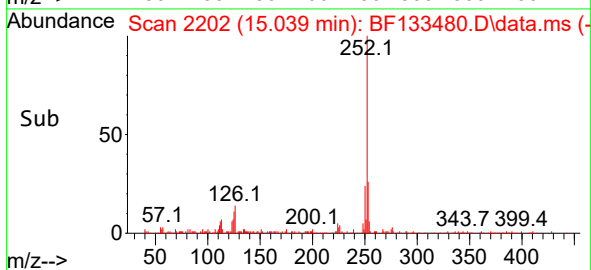
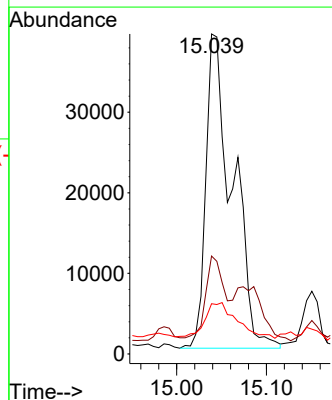
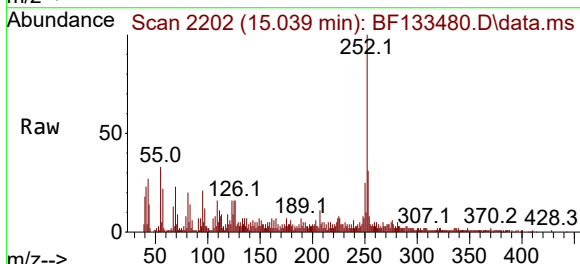
Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.8	28.2
265	22.4	17.0	25.4

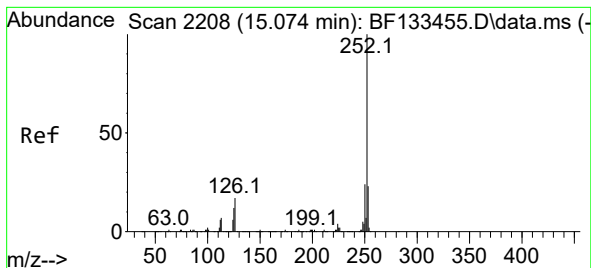


#88
Benzo(b)fluoranthene
Concen: 7.201 ng
RT: 15.039 min Scan# 2202
Delta R.T. -0.006 min
Lab File: BF133480.D
Acq: 24 May 2023 20:12

Tgt Ion:252 Resp: 80642

Ion	Ratio	Lower	Upper
252	100		
253	30.6	17.5	26.3#
125	15.7	8.6	12.8#





#89

Benzo(k)fluoranthene

Concen: 7.410 ng

RT: 15.039 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF133480.D

Acq: 24 May 2023 20:12

Instrument :

BNF

ClientSampleId :

WC01

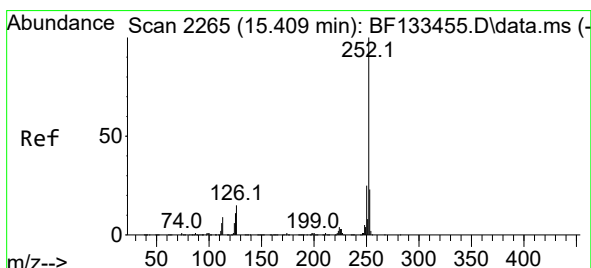
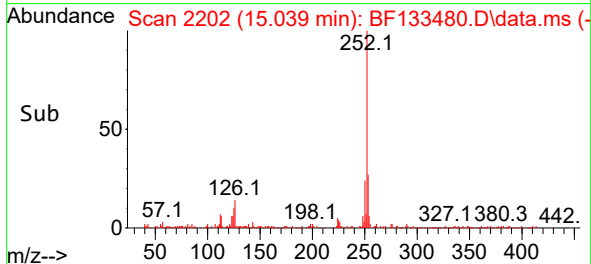
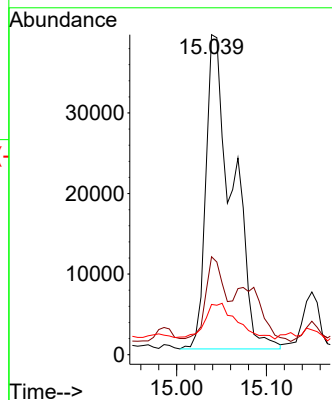
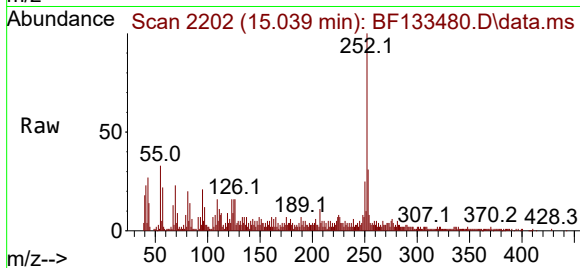
Tgt Ion:252 Resp: 80642

Ion Ratio Lower Upper

252 100

253 30.6 17.8 26.6#

125 15.7 9.0 13.4#



#90

Benzo(a)pyrene

Concen: 3.709 ng

RT: 15.403 min Scan# 2264

Delta R.T. -0.006 min

Lab File: BF133480.D

Acq: 24 May 2023 20:12

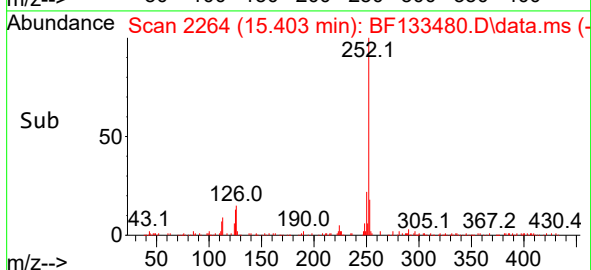
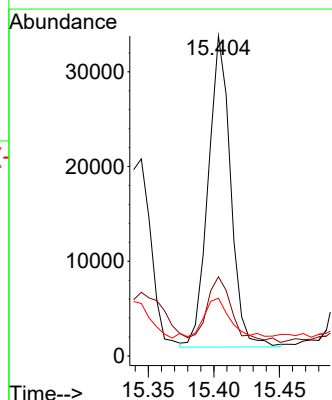
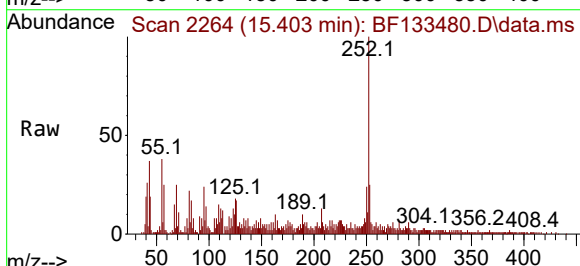
Tgt Ion:252 Resp: 39135

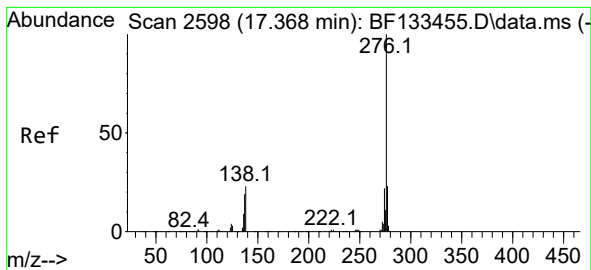
Ion Ratio Lower Upper

252 100

253 24.8 18.0 27.0

125 18.1 8.5 12.7#





#92

Benzo(g,h,i)perylene

Concen: 2.452 ng

RT: 17.356 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF133480.D

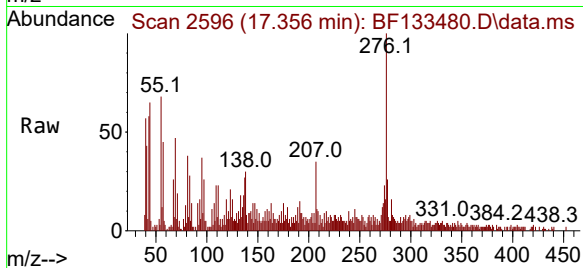
Acq: 24 May 2023 20:12

Instrument :

BNA_F

ClientSampleId :

WC01



Tgt Ion:276 Resp: 24620

Ion Ratio Lower Upper

276 100

277 26.3 18.6 27.8

138 30.0 18.5 27.7#

