

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052423\
 Data File : BF133477.D
 Acq On : 24 May 2023 18:35
 Operator : CG\JU
 Sample : 02899-03
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC06

Quant Time: May 25 05:21:37 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

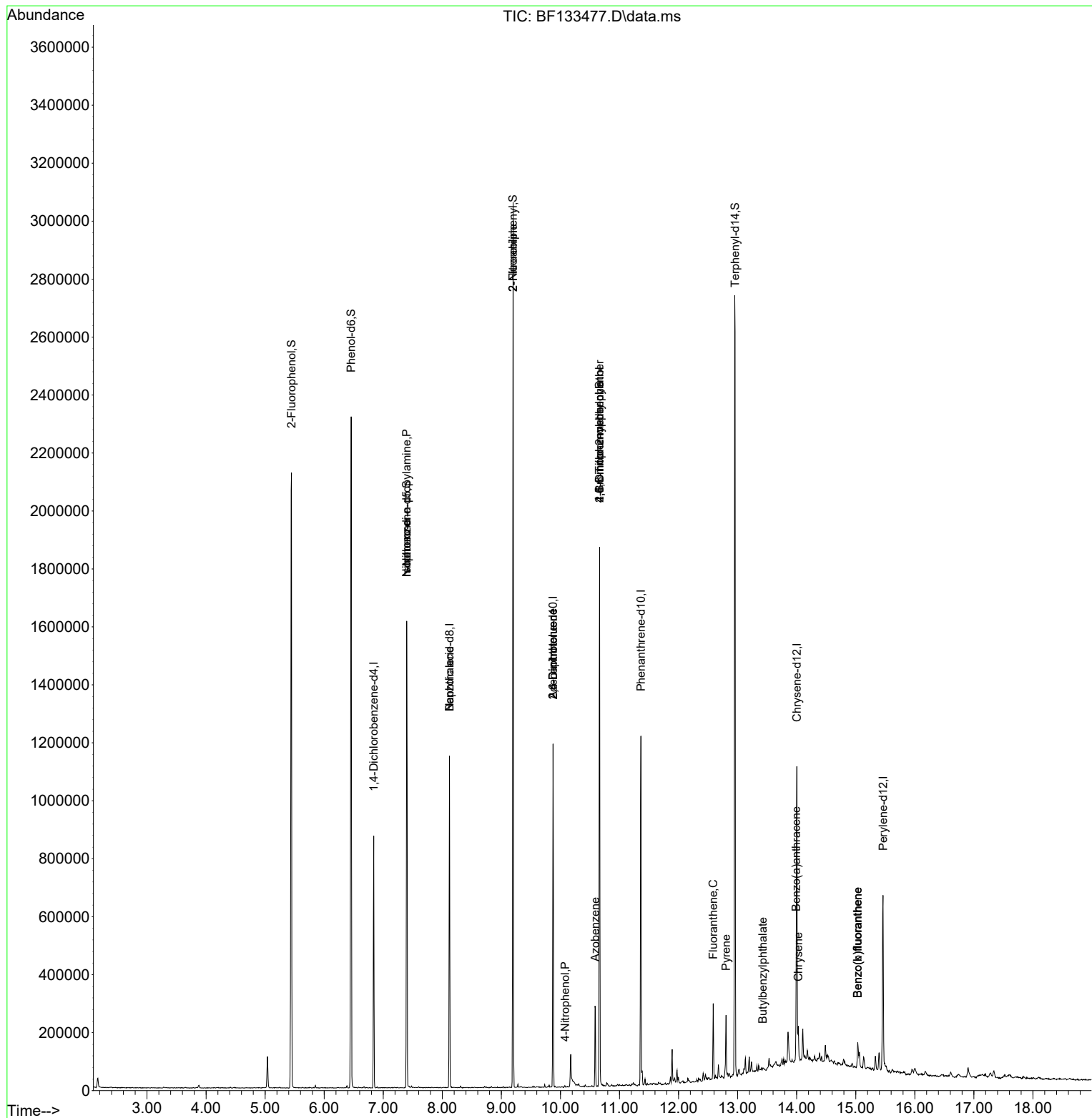
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	107751	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	414726	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	206644	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	413595	20.000	ng	0.00
76) Chrysene-d12	14.004	240	304750	20.000	ng	0.00
86) Perylene-d12	15.463	264	263632	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	591179	89.685	ng	0.00
7) Phenol-d6	6.457	99	703625	88.795	ng	0.00
23) Nitrobenzene-d5	7.398	82	412143	68.705	ng	-0.01
42) 2,4,6-Tribromophenol	10.663	330	186395	97.646	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	819425	55.790	ng	0.00
79) Terphenyl-d14	12.957	244	980951	61.542	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.398	70	56861	11.466	ng	# 81
25) Isophorone	7.398	82	412137	29.197	ng	# 66
32) Benzoic acid	8.122	122	71	6.290	ng	# 1
48) 2-Nitroaniline	9.198	65	1657	5.886	ng	# 1
51) 2,6-Dinitrotoluene	9.875	165	26702	13.493	ng	# 16
56) 4-Nitrophenol	10.081	139	304	5.386	ng	# 2
57) 2,4-Dinitrotoluene	9.875	165	26702	12.779	ng	# 17
63) Azobenzene	10.586	77	47702	3.225	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.663	198	475	8.501	ng	# 1
67) 4-Bromophenyl-phenylether	10.663	248	11910	2.746	ng	# 1
75) Fluoranthene	12.586	202	89321	3.874	ng	99
78) Pyrene	12.804	202	80445	3.238	ng	98
80) Butylbenzylphthalate	13.427	149	1623	3.533	ng	# 88
81) Benzo(a)anthracene	13.992	228	52144	2.521	ng	95
83) Chrysene	14.027	228	42878	2.041	ng	98
88) Benzo(b)fluoranthene	15.033	252	68653	4.190	ng	96
89) Benzo(k)fluoranthene	15.033	252	68653	4.312	ng	96

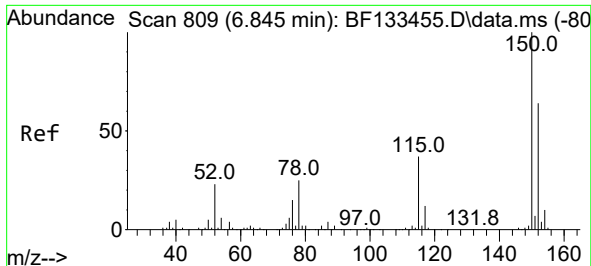
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052323.M
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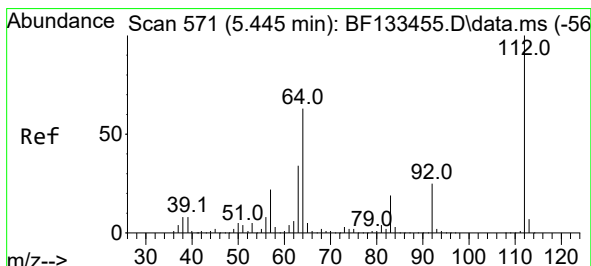
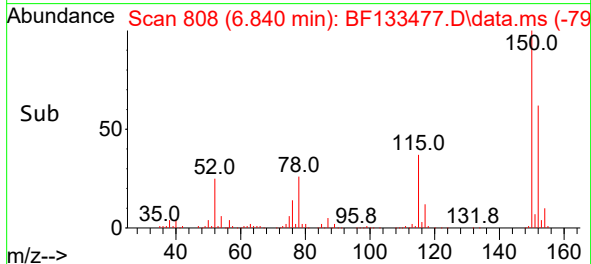
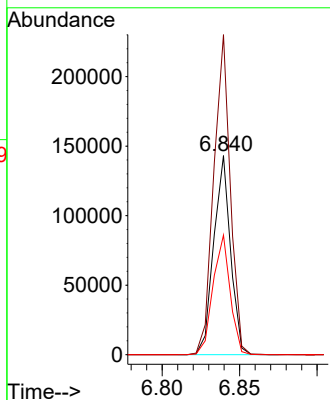
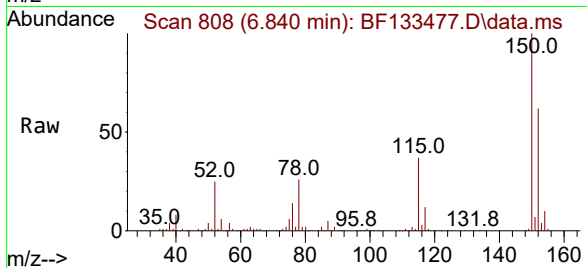




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 809
Delta R.T. -0.005 min
Lab File: BF133477.D
Acq: 24 May 2023 18:35

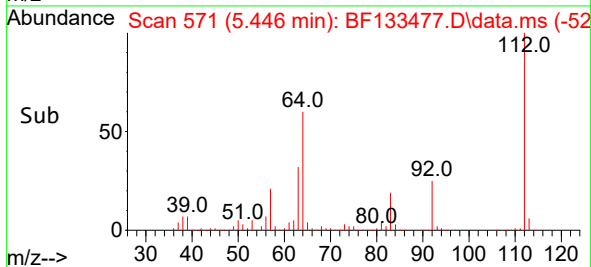
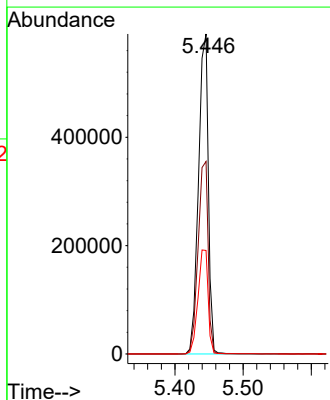
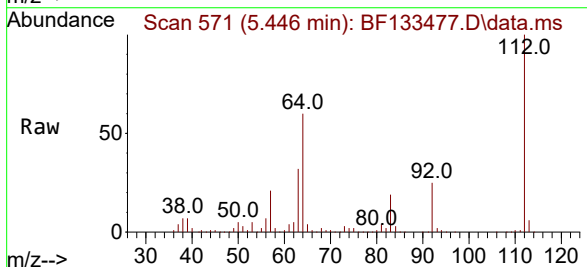
Instrument :
BNA_F
ClientSampleId :
WC06

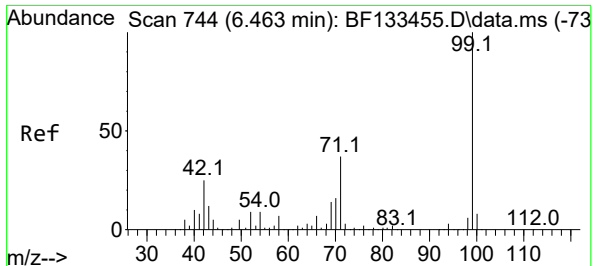
Tgt Ion:152 Resp: 107751
Ion Ratio Lower Upper
152 100
150 160.8 125.6 188.4
115 60.0 47.0 70.4



#5
2-Fluorophenol
Concen: 89.685 ng
RT: 5.446 min Scan# 571
Delta R.T. 0.000 min
Lab File: BF133477.D
Acq: 24 May 2023 18:35

Tgt Ion:112 Resp: 591179
Ion Ratio Lower Upper
112 100
64 60.1 50.2 75.4
63 32.4 27.2 40.8

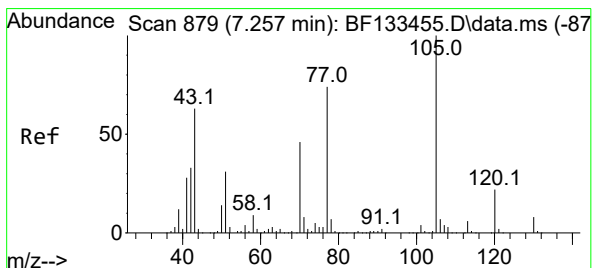
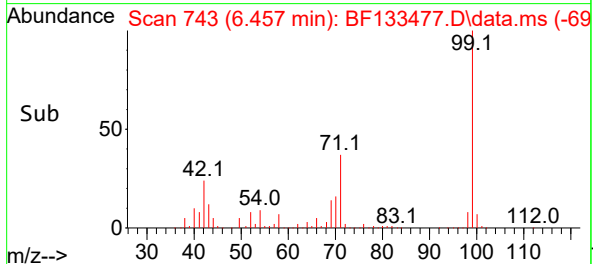
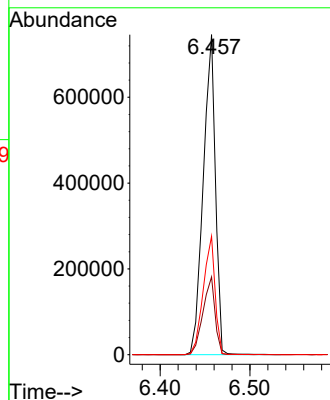
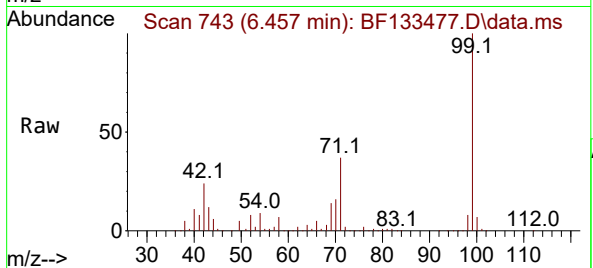




#7
Phenol-d6
Concen: 88.795 ng
RT: 6.457 min Scan# 744
Delta R.T. -0.006 min
Lab File: BF133477.D
Acq: 24 May 2023 18:35

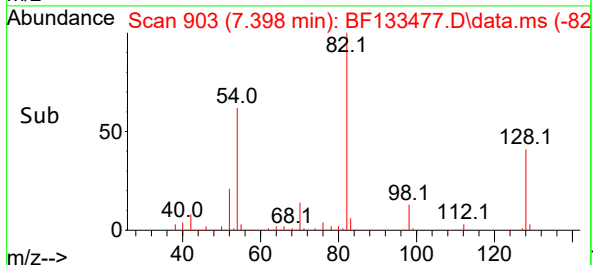
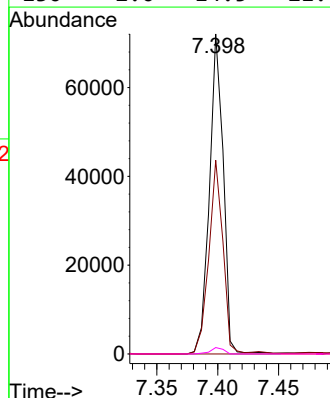
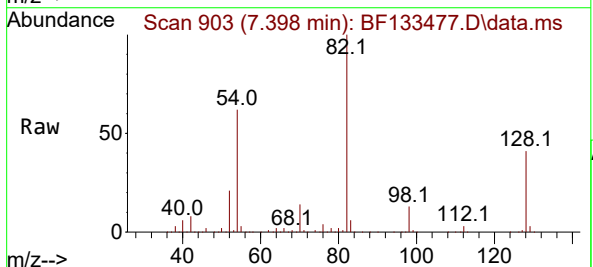
Instrument :
BNA_F
ClientSampleId :
WC06

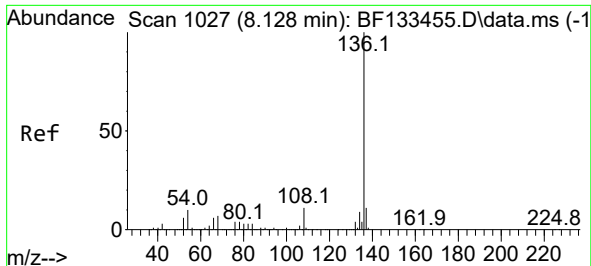
Tgt Ion: 99 Resp: 703625
Ion Ratio Lower Upper
99 100
42 24.3 19.6 29.4
71 37.0 29.5 44.3



#19
n-Nitroso-di-n-propylamine
Concen: 11.466 ng
RT: 7.398 min Scan# 903
Delta R.T. 0.141 min
Lab File: BF133477.D
Acq: 24 May 2023 18:35

Tgt Ion: 70 Resp: 56861
Ion Ratio Lower Upper
70 100
42 60.6 57.7 86.5
101 0.0 7.6 11.4#
130 2.0 14.5 21.7#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.122 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133477.D

Acq: 24 May 2023 18:35

Instrument :

BNA_F

ClientSampleId :

WC06

Tgt Ion:136 Resp: 414726

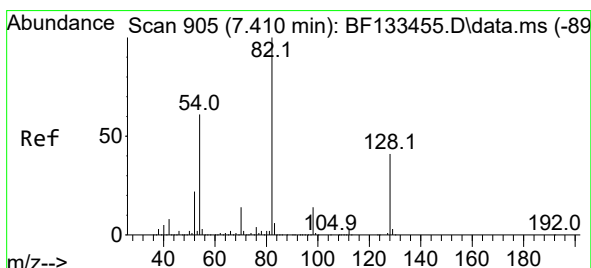
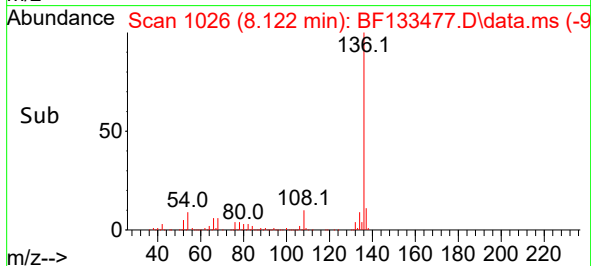
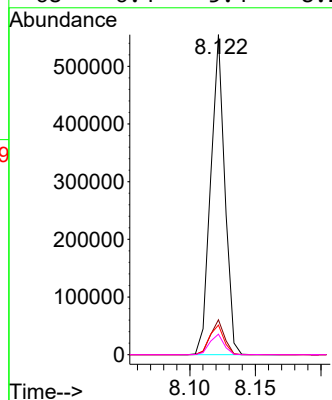
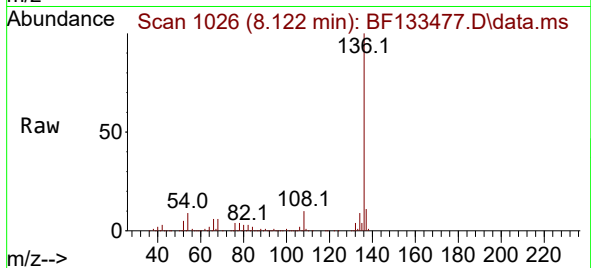
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 9.2 8.0 12.0

68 6.4 5.4 8.2



#23

Nitrobenzene-d5

Concen: 68.705 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.012 min

Lab File: BF133477.D

Acq: 24 May 2023 18:35

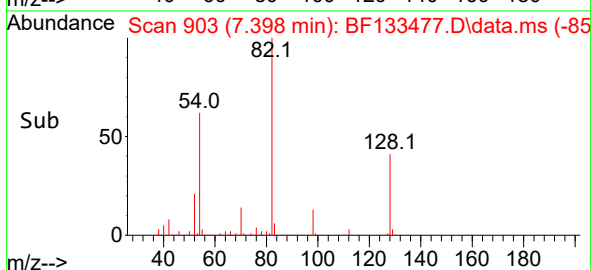
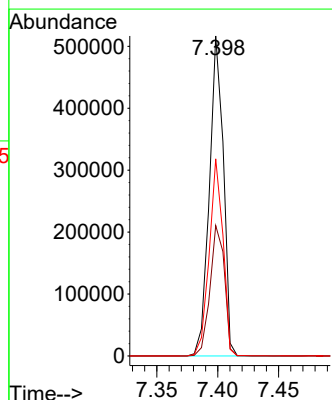
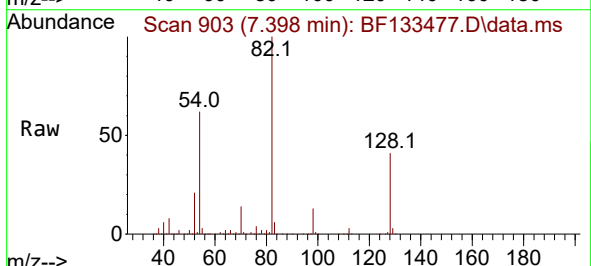
Tgt Ion: 82 Resp: 412143

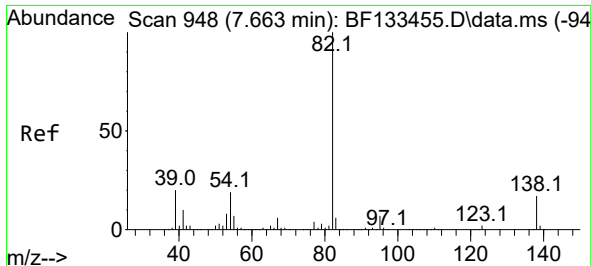
Ion Ratio Lower Upper

82 100

128 40.8 33.0 49.6

54 61.6 48.5 72.7

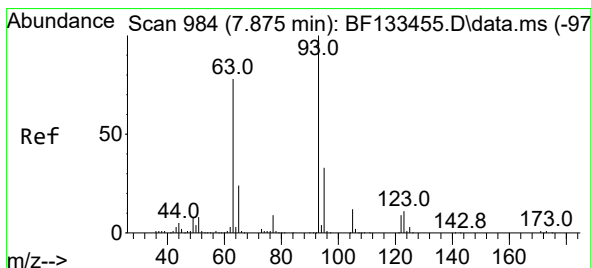
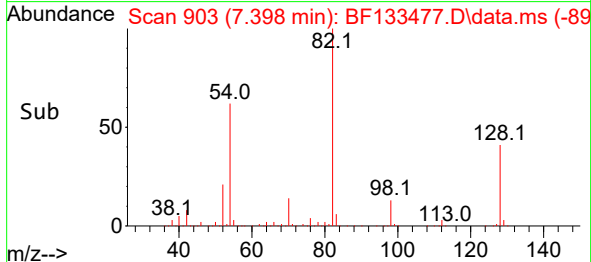
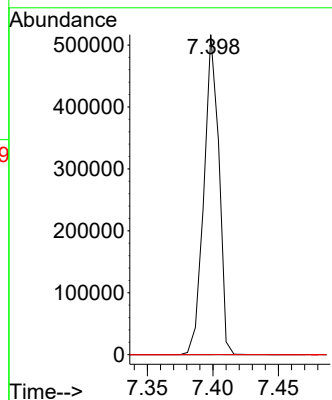
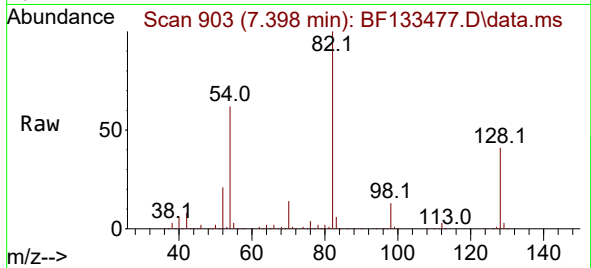




#25
Isophorone
Concen: 29.197 ng
RT: 7.398 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF133477.D
Acq: 24 May 2023 18:35

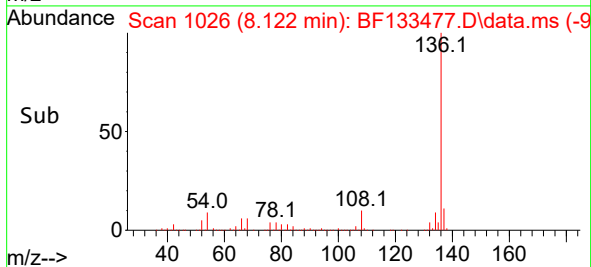
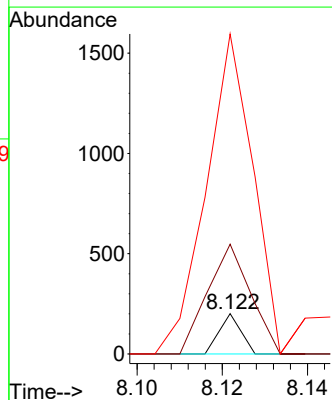
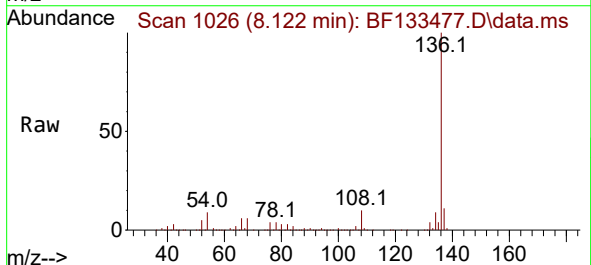
Instrument :
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ClientSampleId :
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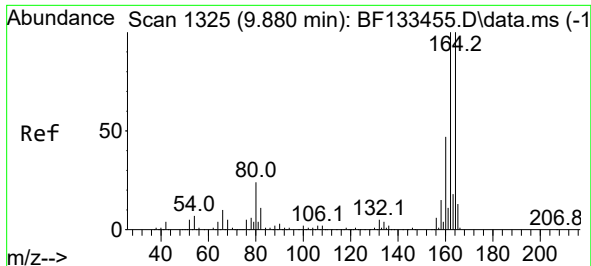
Tgt Ion: 82 Resp: 412137
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 13.5 20.3#



#32
Benzoic acid
Concen: 6.290 ng
RT: 8.122 min Scan# 1026
Delta R.T. 0.247 min
Lab File: BF133477.D
Acq: 24 May 2023 18:35

Tgt Ion:122 Resp: 71
Ion Ratio Lower Upper
122 100
105 272.1 111.2 151.2#
77 794.0 82.0 122.0#

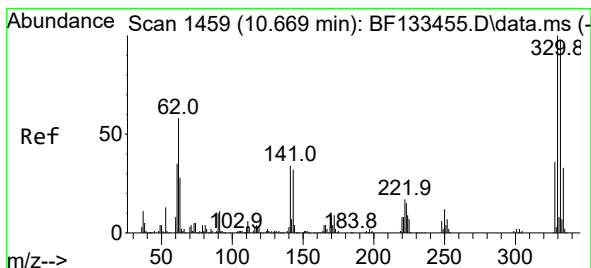
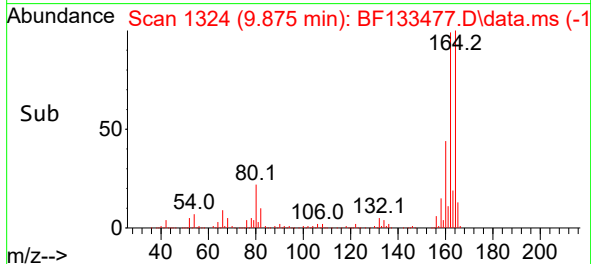
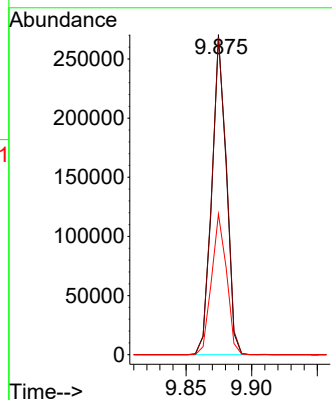
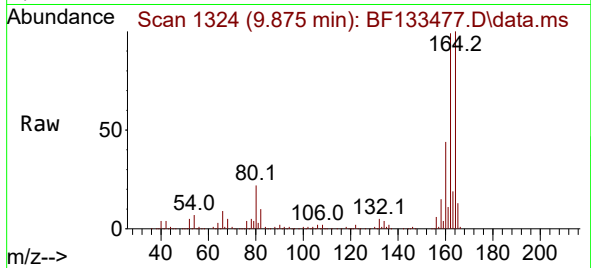




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 11
Delta R.T. -0.005 min
Lab File: BF133477.D
Acq: 24 May 2023 18:35

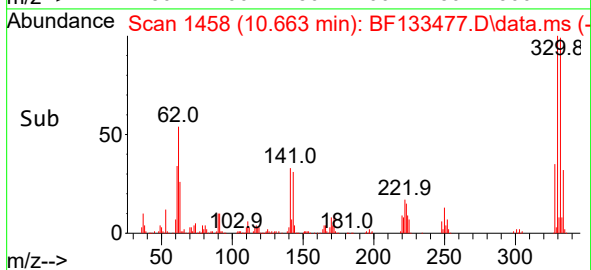
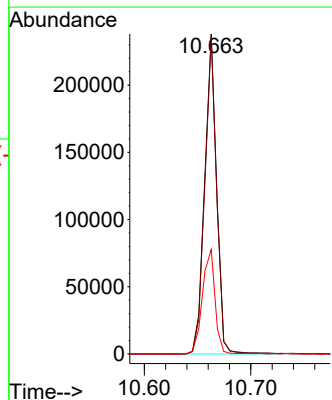
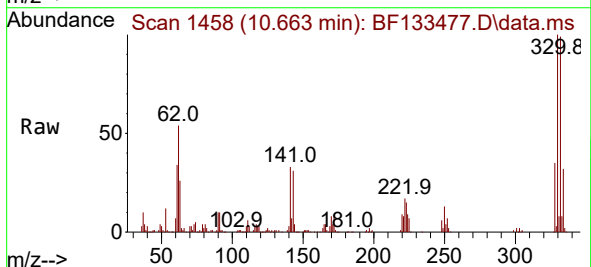
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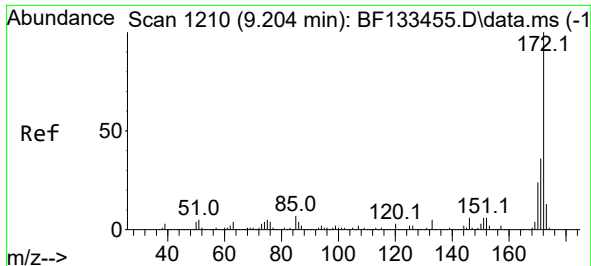
Tgt Ion:164 Resp: 206644
Ion Ratio Lower Upper
164 100
162 99.0 79.8 119.6
160 43.9 37.4 56.0



#42
2,4,6-Tribromophenol
Concen: 97.646 ng
RT: 10.663 min Scan# 1458
Delta R.T. -0.006 min
Lab File: BF133477.D
Acq: 24 May 2023 18:35

Tgt Ion:330 Resp: 186395
Ion Ratio Lower Upper
330 100
332 97.7 77.0 115.6
141 34.7 28.5 42.7





#45

2-Fluorobiphenyl

Concen: 55.790 ng

RT: 9.198 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF133477.D

Acq: 24 May 2023 18:35

Instrument :

BNA_F

ClientSampleId :

WC06

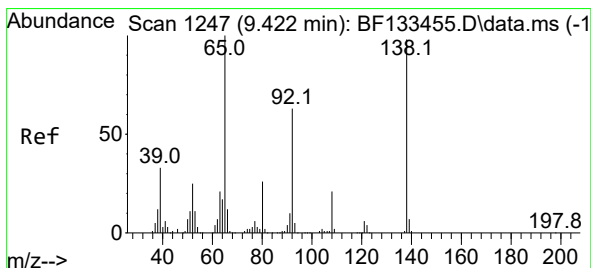
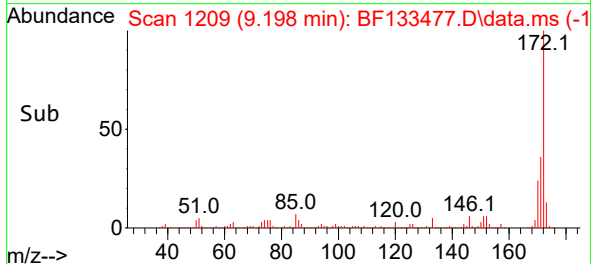
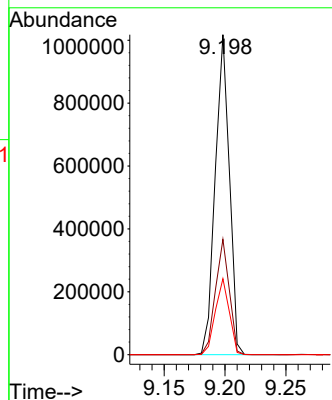
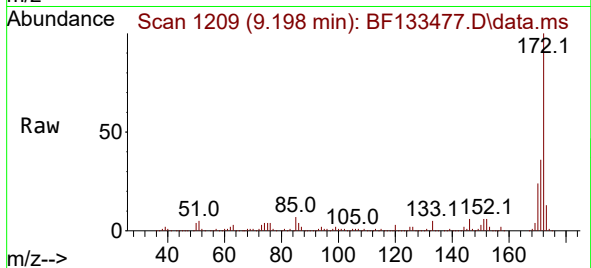
Tgt Ion:172 Resp: 819425

Ion Ratio Lower Upper

172 100

171 36.1 28.5 42.7

170 23.7 19.0 28.4



#48

2-Nitroaniline

Concen: 5.886 ng

RT: 9.198 min Scan# 1209

Delta R.T. -0.224 min

Lab File: BF133477.D

Acq: 24 May 2023 18:35

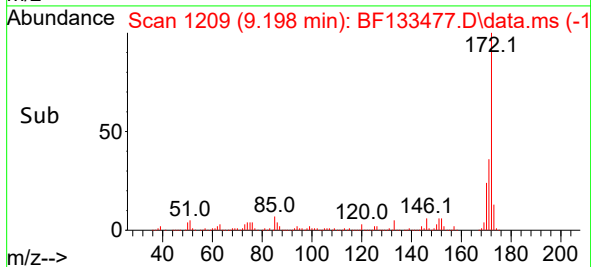
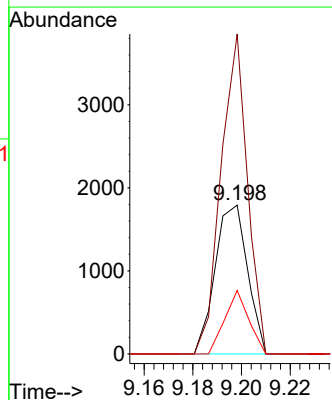
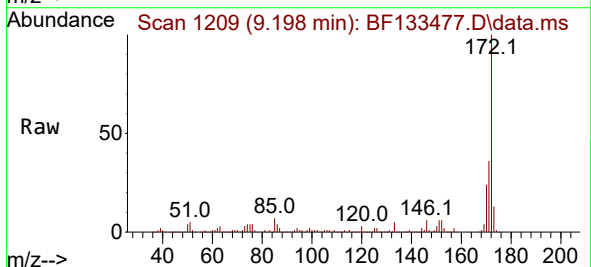
Tgt Ion: 65 Resp: 1657

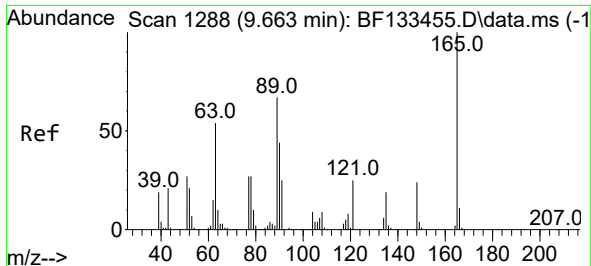
Ion Ratio Lower Upper

65 100

92 215.0 50.1 75.1#

138 42.7 78.6 118.0#





#51

2,6-Dinitrotoluene

Concen: 13.493 ng

RT: 9.875 min Scan# 11

Delta R.T. 0.212 min

Lab File: BF133477.D

Acq: 24 May 2023 18:35

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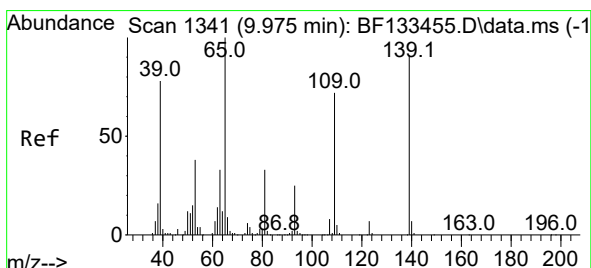
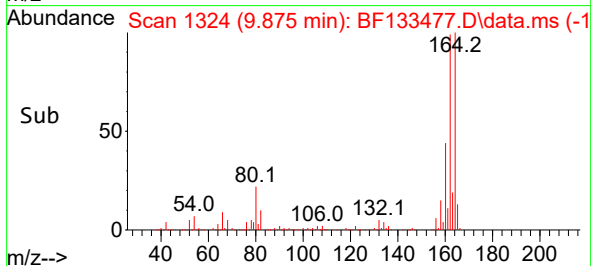
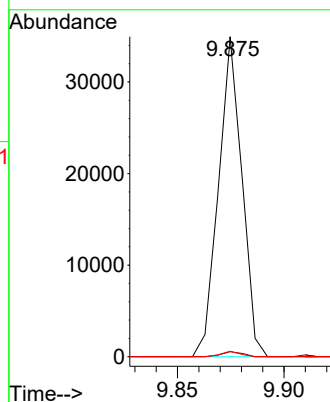
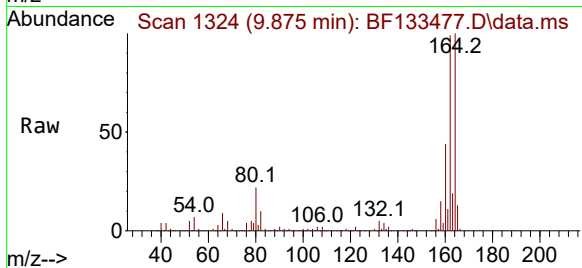
Tgt Ion:165 Resp: 26702

Ion Ratio Lower Upper

165 100

63 1.5 61.0 91.4#

89 1.7 53.5 80.3#



#56

4-Nitrophenol

Concen: 5.386 ng

RT: 10.081 min Scan# 1359

Delta R.T. 0.106 min

Lab File: BF133477.D

Acq: 24 May 2023 18:35

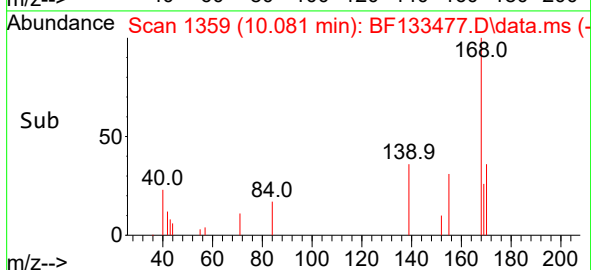
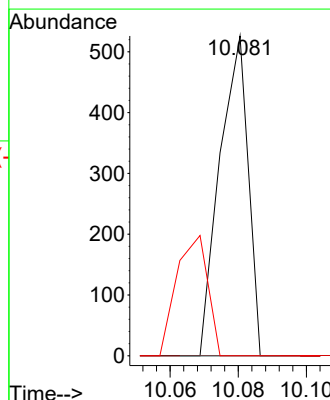
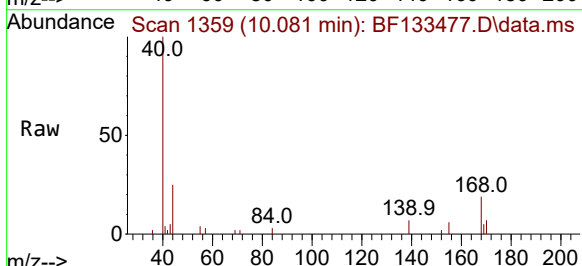
Tgt Ion:139 Resp: 304

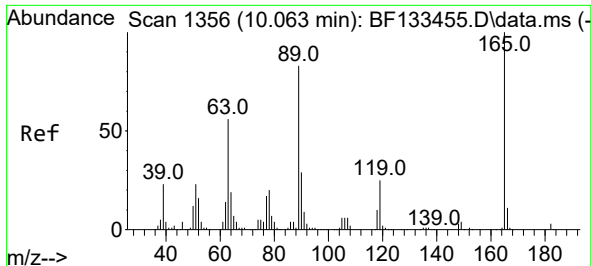
Ion Ratio Lower Upper

139 100

109 0.0 59.5 99.5#

65 0.0 90.1 130.1#

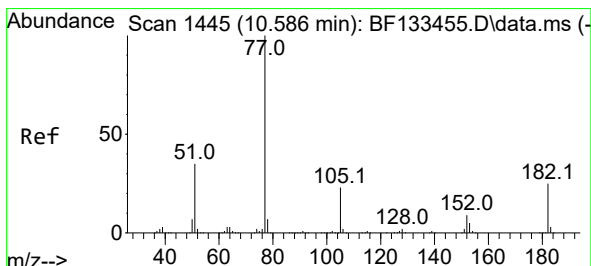
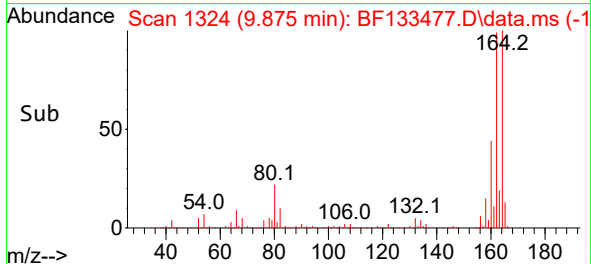
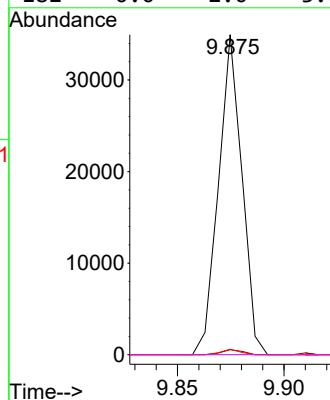
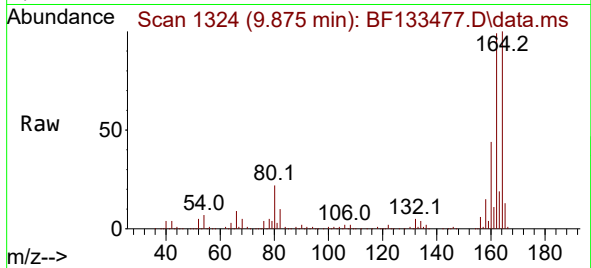




#57
2,4-Dinitrotoluene
Concen: 12.779 ng
RT: 9.875 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF133477.D
Acq: 24 May 2023 18:35

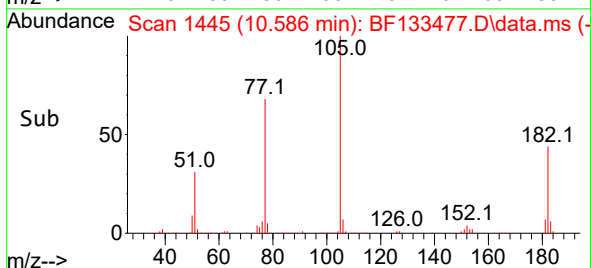
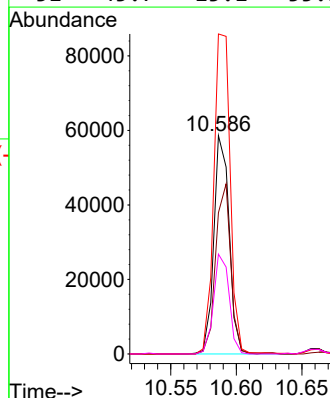
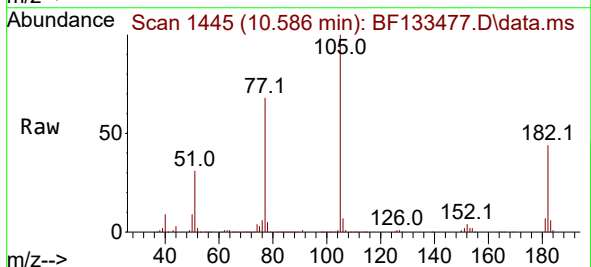
Instrument :
BNA_F
ClientSampleId :
WC06

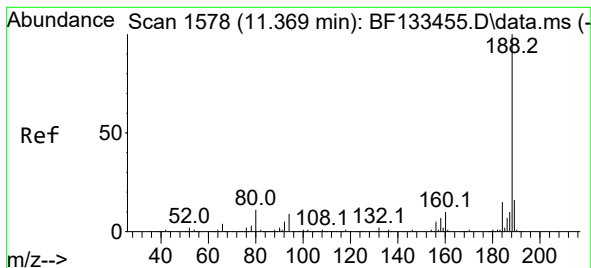
Tgt Ion:165 Resp: 26702
Ion Ratio Lower Upper
165 100
63 1.5 45.1 67.7#
89 1.7 66.7 100.1#
182 0.0 2.0 3.0#



#63
Azobenzene
Concen: 3.225 ng
RT: 10.586 min Scan# 1445
Delta R.T. 0.000 min
Lab File: BF133477.D
Acq: 24 May 2023 18:35

Tgt Ion: 77 Resp: 47702
Ion Ratio Lower Upper
77 100
182 64.7 5.0 45.0#
105 146.6 2.9 42.9#
51 45.7 15.1 55.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.363 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133477.D

Acq: 24 May 2023 18:35

Instrument :

BNA_F

ClientSampleId :

WC06

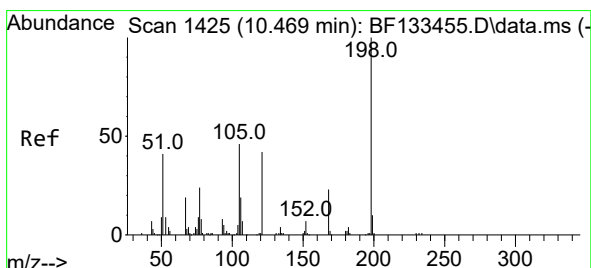
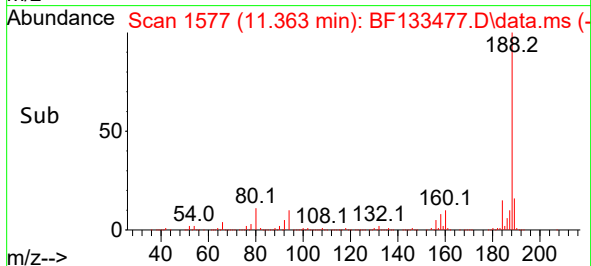
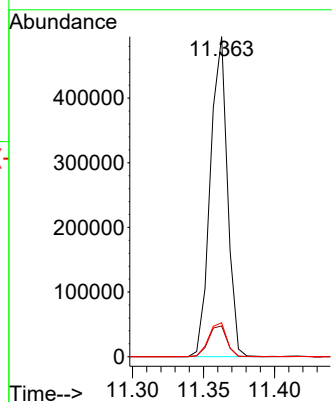
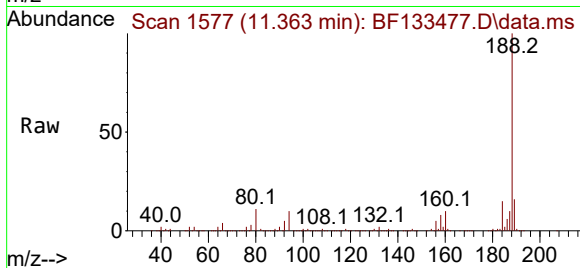
Tgt Ion:188 Resp: 413595

Ion Ratio Lower Upper

188 100

94 9.6 7.5 11.3

80 10.6 8.7 13.1



#65

4,6-Dinitro-2-methylphenol

Concen: 8.501 ng

RT: 10.663 min Scan# 1458

Delta R.T. 0.194 min

Lab File: BF133477.D

Acq: 24 May 2023 18:35

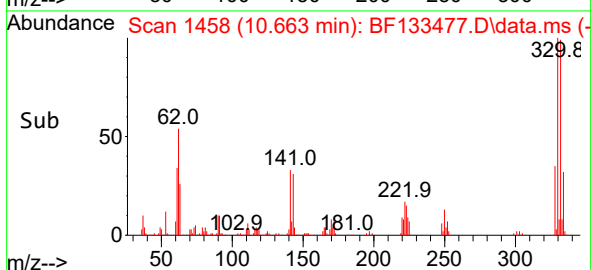
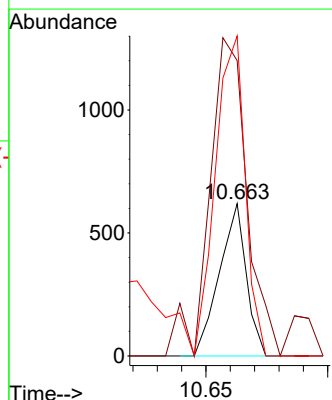
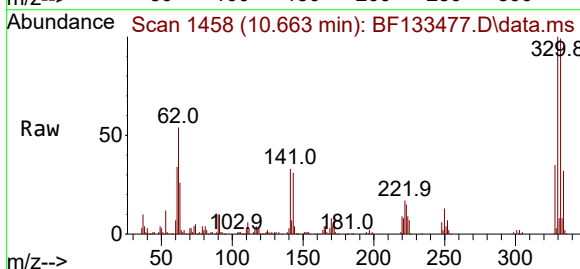
Tgt Ion:198 Resp: 475

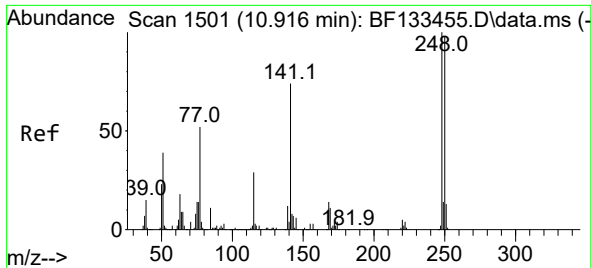
Ion Ratio Lower Upper

198 100

51 194.0 38.5 78.5#

105 210.2 29.6 69.6#

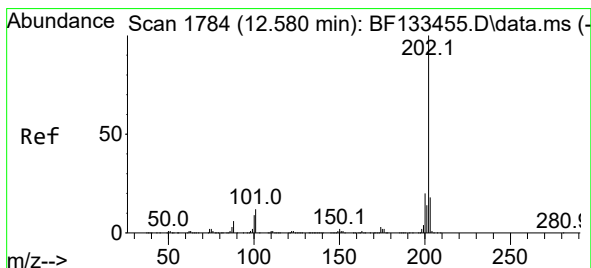
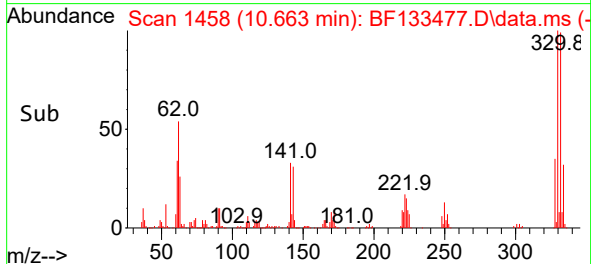
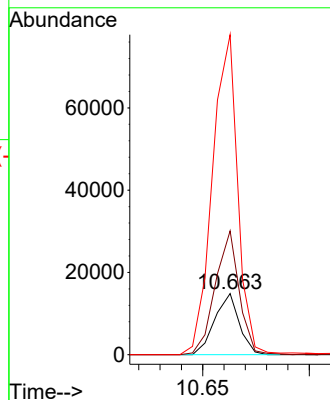
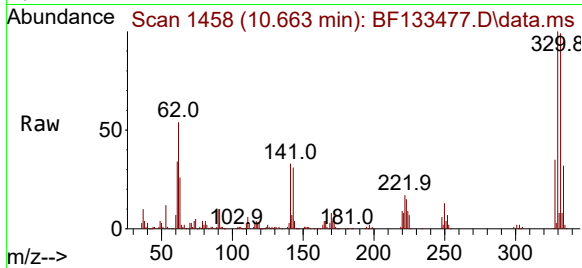




#67
4-Bromophenyl-phenylether
Concen: 2.746 ng
RT: 10.663 min Scan# 1458
Delta R.T. -0.253 min
Lab File: BF133477.D
Acq: 24 May 2023 18:35

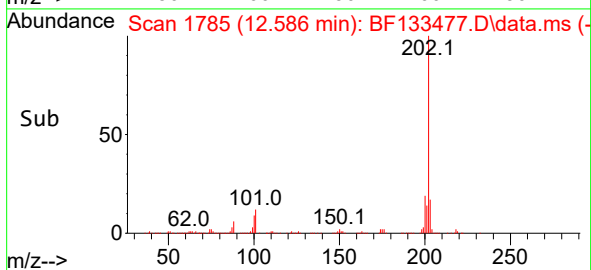
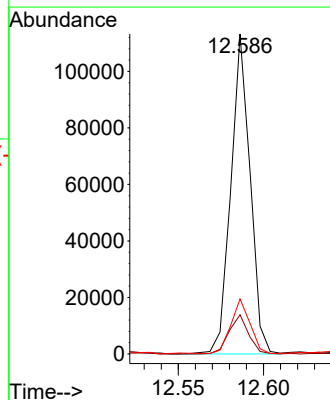
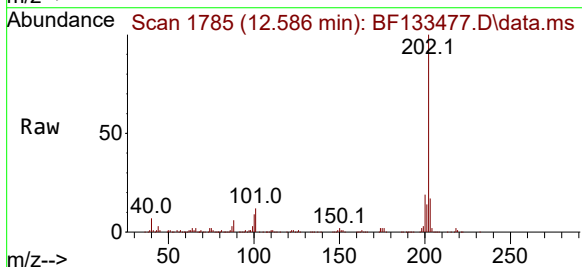
Instrument :
BNA_F
ClientSampleId :
WC06

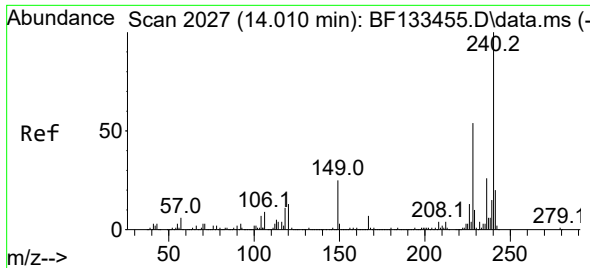
Tgt Ion:248 Resp: 11910
Ion Ratio Lower Upper
248 100
250 202.7 78.3 117.5#
141 523.5 59.1 88.7#



#75
Fluoranthene
Concen: 3.874 ng
RT: 12.586 min Scan# 1785
Delta R.T. 0.006 min
Lab File: BF133477.D
Acq: 24 May 2023 18:35

Tgt Ion:202 Resp: 89321
Ion Ratio Lower Upper
202 100
101 12.3 0.0 32.5
203 17.2 0.0 38.0

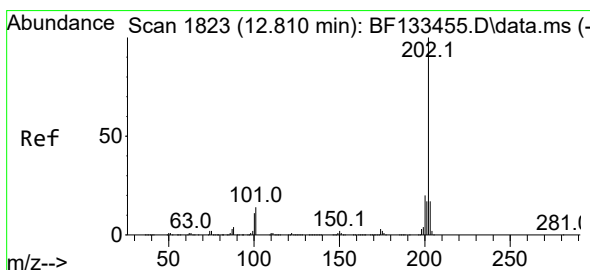
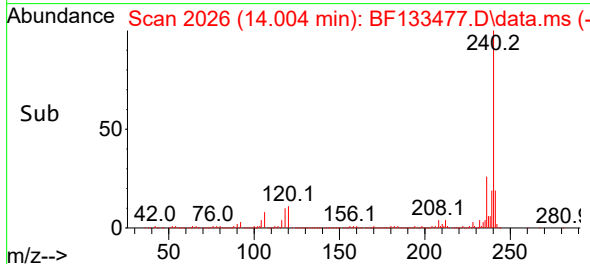
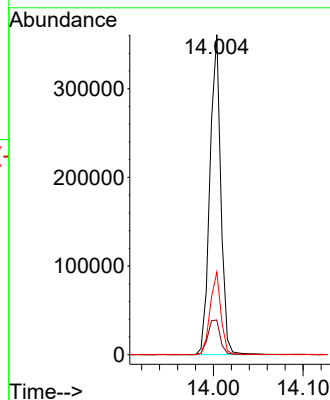
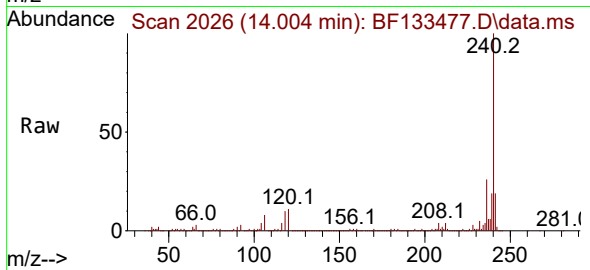




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF133477.D
Acq: 24 May 2023 18:35

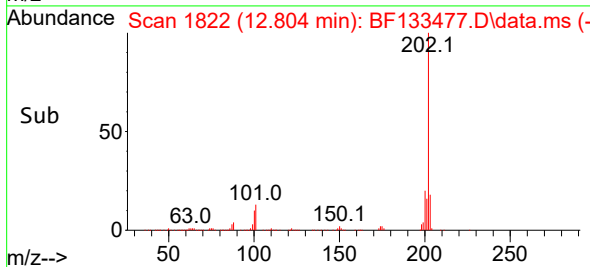
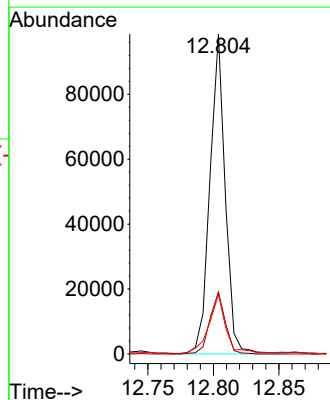
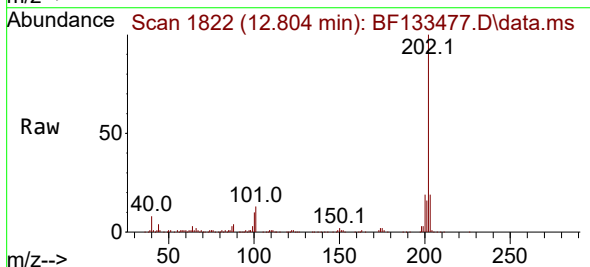
Instrument :
BNA_F
ClientSampleId :
WC06

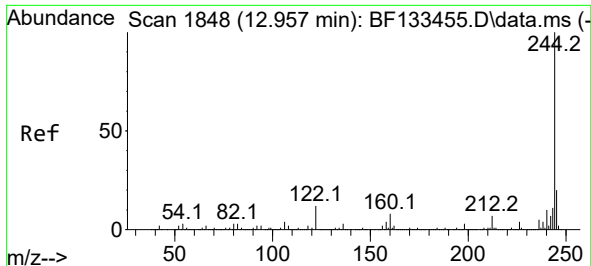
Tgt Ion:240 Resp: 304750
Ion Ratio Lower Upper
240 100
120 10.9 10.2 15.4
236 25.9 20.9 31.3



#78
Pyrene
Concen: 3.238 ng
RT: 12.804 min Scan# 1822
Delta R.T. -0.006 min
Lab File: BF133477.D
Acq: 24 May 2023 18:35

Tgt Ion:202 Resp: 80445
Ion Ratio Lower Upper
202 100
200 19.4 16.2 24.2
203 18.6 13.9 20.9

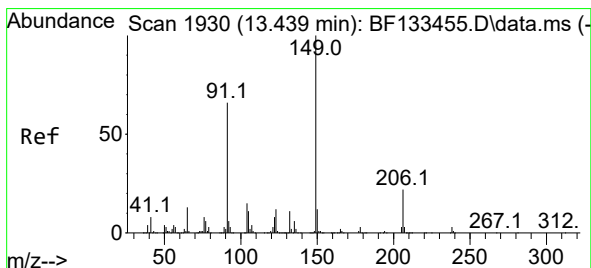
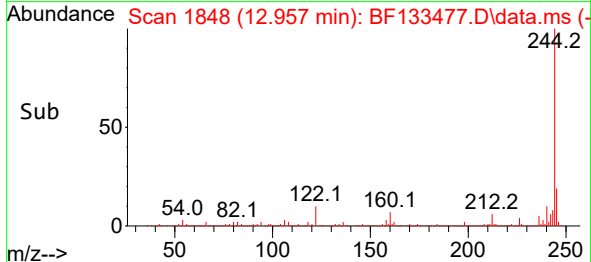
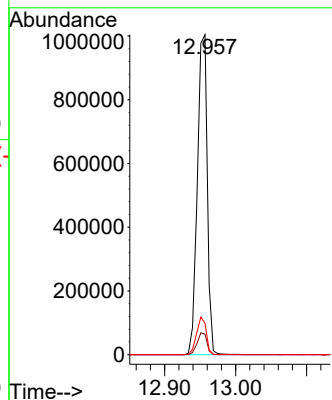
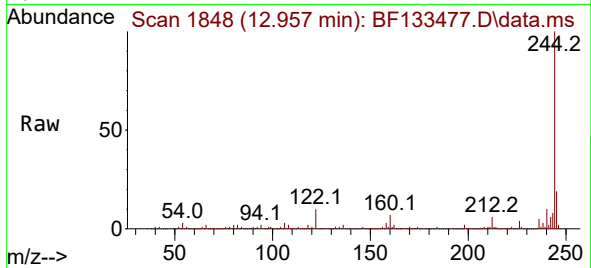




#79
 Terphenyl-d14
 Concen: 61.542 ng
 RT: 12.957 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF133477.D
 Acq: 24 May 2023 18:35

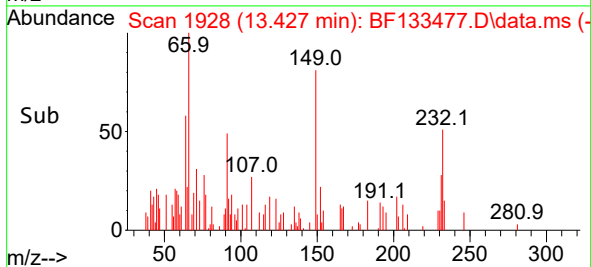
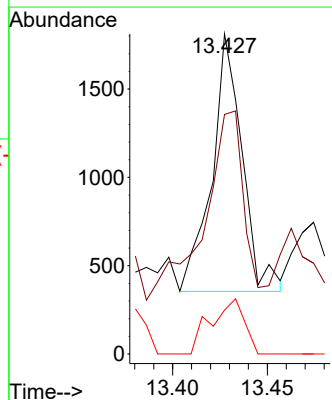
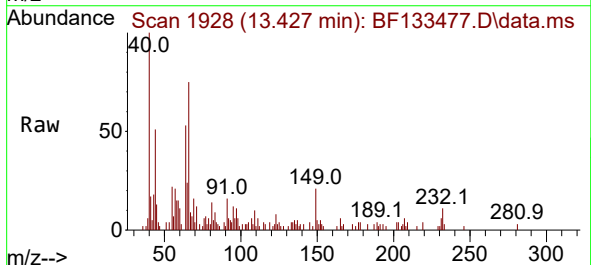
Instrument :
 BNA_F
 ClientSampleId :
 WC06

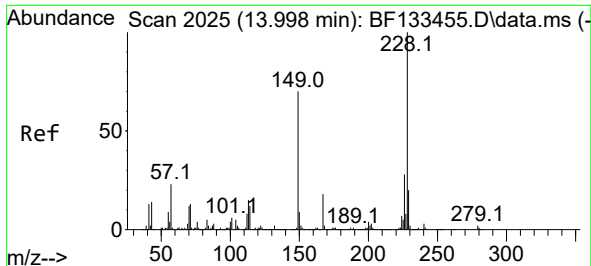
Tgt Ion:244 Resp: 980951
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.6 8.4
 122 9.8 9.4 14.0



#80
 Butylbenzylphthalate
 Concen: 3.533 ng
 RT: 13.427 min Scan# 1928
 Delta R.T. -0.012 min
 Lab File: BF133477.D
 Acq: 24 May 2023 18:35

Tgt Ion:149 Resp: 1623
 Ion Ratio Lower Upper
 149 100
 91 74.8 53.1 79.7
 206 13.7 17.4 26.0#

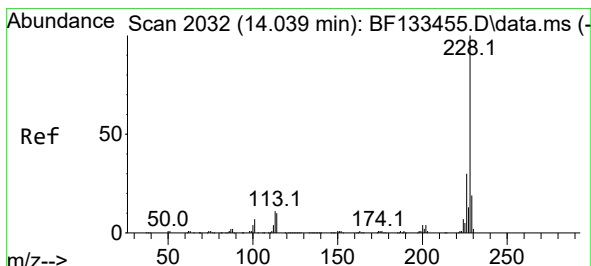
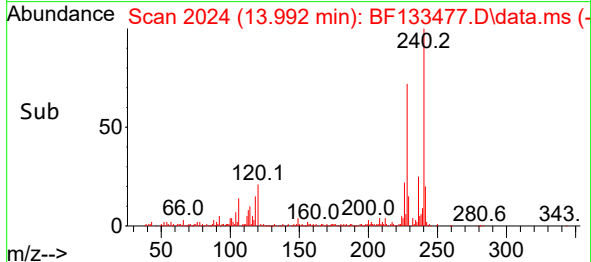
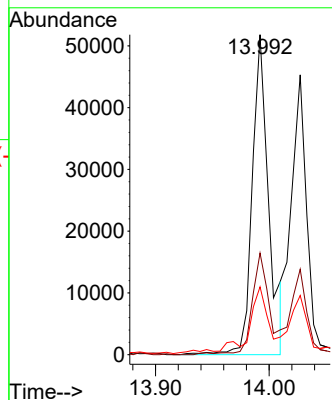
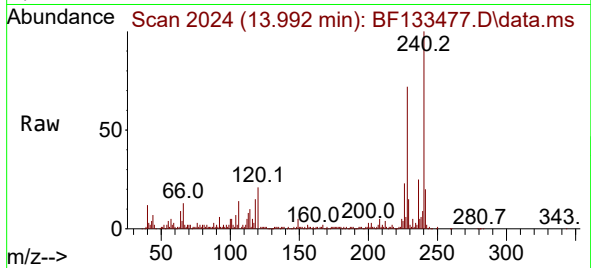




#81
Benzo(a)anthracene
Concen: 2.521 ng
RT: 13.992 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF133477.D
Acq: 24 May 2023 18:35

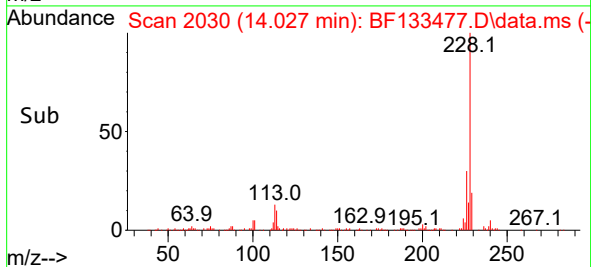
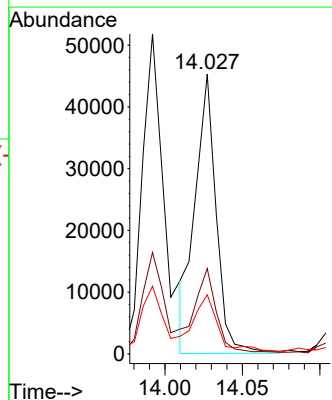
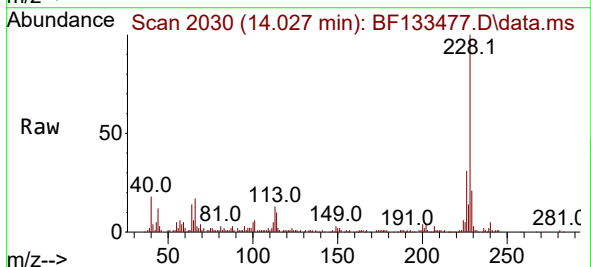
Instrument :
BNA_F
ClientSampleId :
WC06

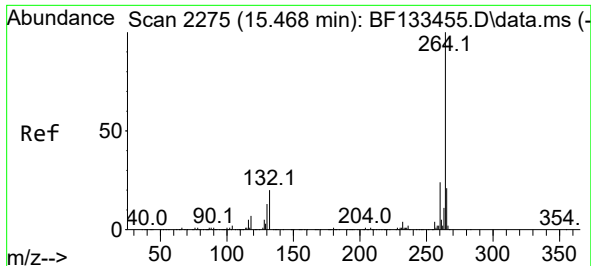
Tgt Ion:228 Resp: 52144
Ion Ratio Lower Upper
228 100
226 31.8 22.2 33.4
229 21.2 16.3 24.5



#83
Chrysene
Concen: 2.041 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.012 min
Lab File: BF133477.D
Acq: 24 May 2023 18:35

Tgt Ion:228 Resp: 42878
Ion Ratio Lower Upper
228 100
226 30.6 24.3 36.5
229 21.2 15.4 23.2

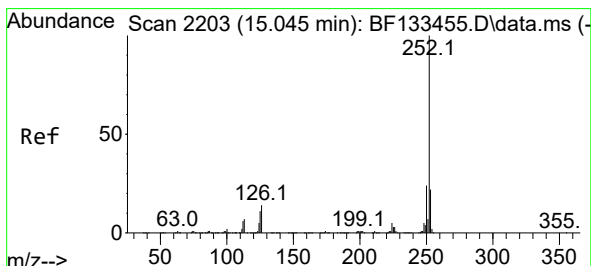
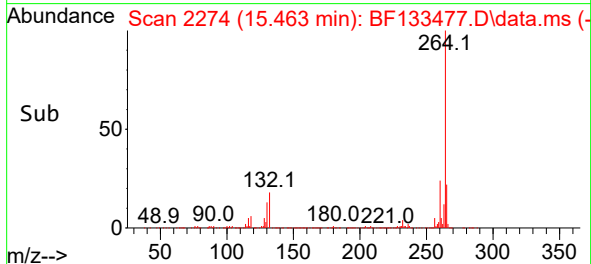
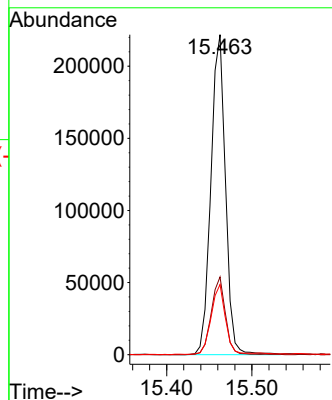
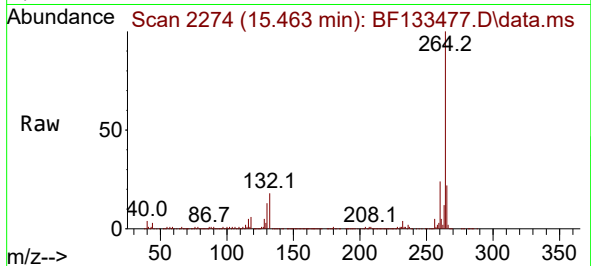




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.463 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF133477.D
Acq: 24 May 2023 18:35

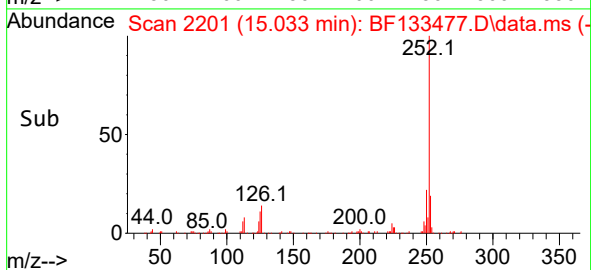
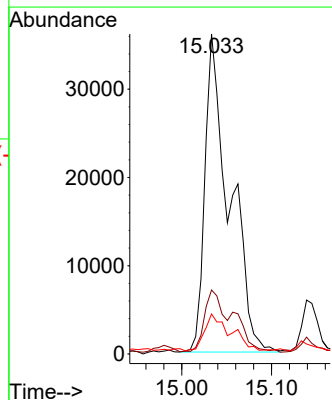
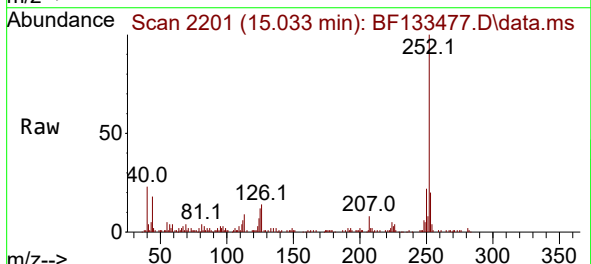
Instrument :
BNA_F
ClientSampleId :
WC06

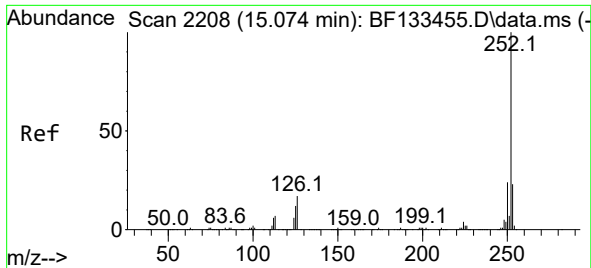
Tgt Ion:264 Resp: 263632
Ion Ratio Lower Upper
264 100
260 24.3 18.8 28.2
265 21.9 17.0 25.4



#88
Benzo(b)fluoranthene
Concen: 4.190 ng
RT: 15.033 min Scan# 2201
Delta R.T. -0.012 min
Lab File: BF133477.D
Acq: 24 May 2023 18:35

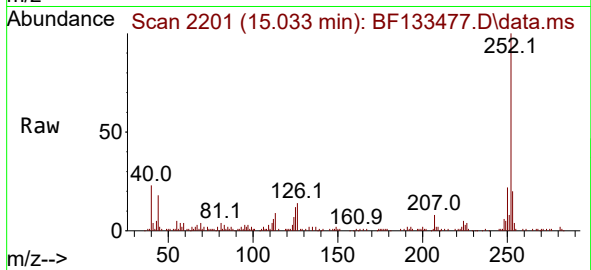
Tgt Ion:252 Resp: 68653
Ion Ratio Lower Upper
252 100
253 20.0 17.5 26.3
125 12.5 8.6 12.8





#89
Benzo(k)fluoranthene
Concen: 4.312 ng
RT: 15.033 min Scan# 21
Delta R.T. -0.041 min
Lab File: BF133477.D
Acq: 24 May 2023 18:35

Instrument :
BNA_F
ClientSampleId :
WC06



Tgt Ion:252 Resp: 68653
Ion Ratio Lower Upper
252 100
253 20.0 17.8 26.6
125 12.5 9.0 13.4

