

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060623\
 Data File : BF133611.D
 Acq On : 07 Jun 2023 03:12
 Operator : CG\JU
 Sample : 03015-01
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC9-(12-17)

Quant Time: Jun 07 04:29:57 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 06 14:05:12 2023
 Response via : Initial Calibration

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

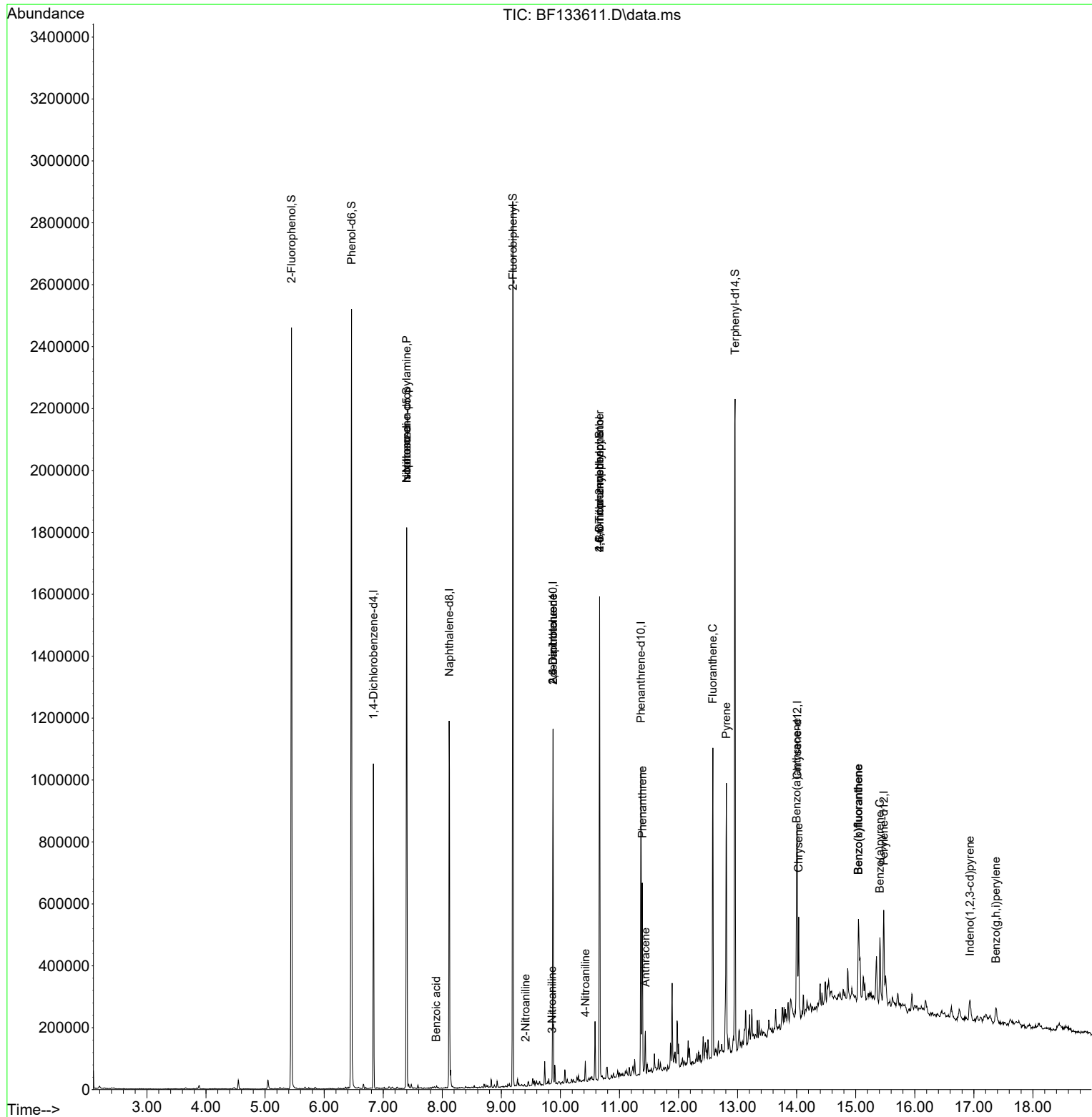
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	135776	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	492940	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	204354	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	337881	20.000	ng	0.00
76) Chrysene-d12	14.010	240	167856	20.000	ng	0.00
86) Perylene-d12	15.474	264	147374	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	664766	81.689	ng	0.00
7) Phenol-d6	6.463	99	803812	80.239	ng	0.00
23) Nitrobenzene-d5	7.398	82	494266	66.948	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	170571	83.735	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	898528	67.864	ng	0.00
79) Terphenyl-d14	12.957	244	756686	80.151	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.381	77	792	Below Cal	#	75
19) n-Nitroso-di-n-propyla...	7.398	70	67926	10.480	ng	# 76
25) Isophorone	7.398	82	494348	28.731	ng	# 65
32) Benzoic acid	7.898	122	131	7.372	ng	# 37
48) 2-Nitroaniline	9.410	65	126	4.021	ng	# 6
51) 2,6-Dinitrotoluene	9.875	165	26607	12.678	ng	# 18
53) 3-Nitroaniline	9.857	138	82	3.202	ng	# 1
57) 2,4-Dinitrotoluene	9.875	165	26607	11.820	ng	# 15
62) 4-Nitroaniline	10.422	138	267	3.057	ng	# 48
65) 4,6-Dinitro-2-methylph...	10.663	198	419	8.960	ng	# 1
67) 4-Bromophenyl-phenylether	10.663	248	10155	2.830	ng	# 1
71) Phenanthrene	11.386	178	195656	11.433	ng	100
72) Anthracene	11.439	178	49836	2.830	ng	98
75) Fluoranthene	12.580	202	382696	20.245	ng	98
78) Pyrene	12.810	202	354913	24.847	ng	98
81) Benzo(a)anthracene	13.998	228	145049	12.972	ng	97
83) Chrysene	14.033	228	123936	10.979	ng	98
87) Indeno(1,2,3-cd)pyrene	16.933	276	55427	5.904	ng	# 92
88) Benzo(b)fluoranthene	15.045	252	194625	20.281	ng	# 97
89) Benzo(k)fluoranthene	15.045	252	194625	20.799	ng	# 98
90) Benzo(a)pyrene	15.410	252	104003	11.910	ng	98
92) Benzo(g,h,i)perylene	17.374	276	51538	6.715	ng	94

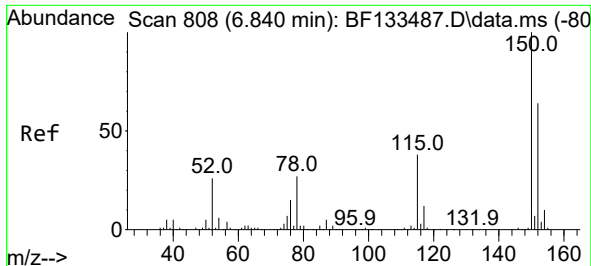
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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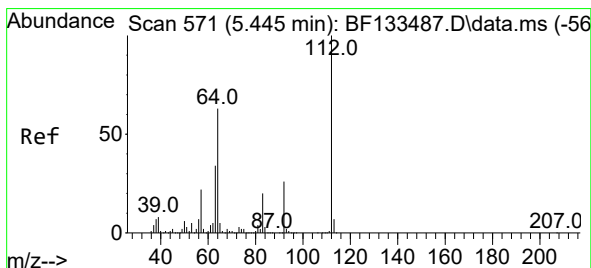
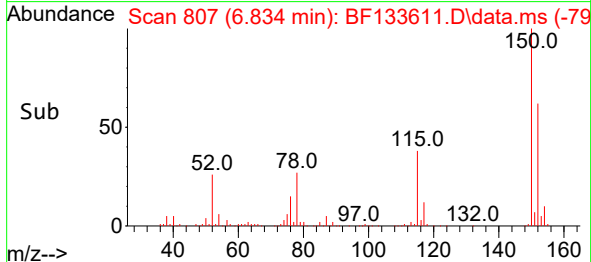
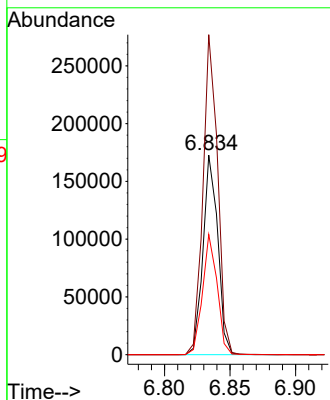
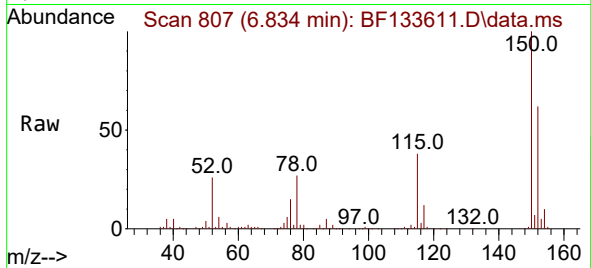




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 808
Delta R.T. -0.000 min
Lab File: BF133611.D
Acq: 07 Jun 2023 03:12

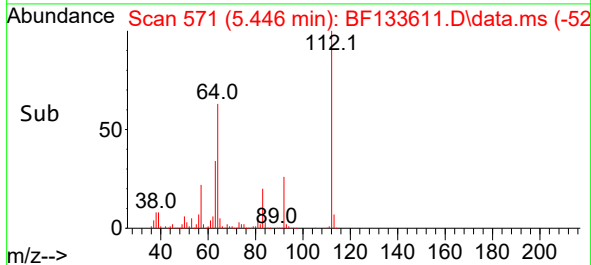
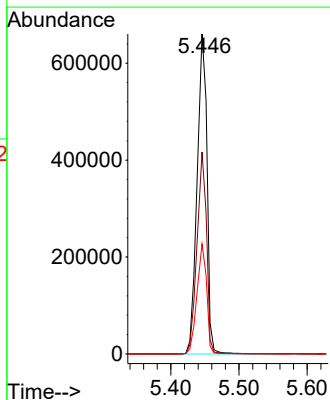
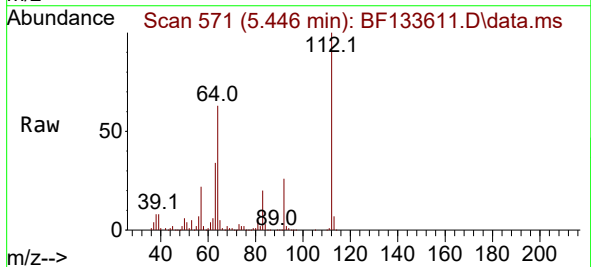
Instrument :
BNA_F
ClientSampleId :
WC9-(12-17)

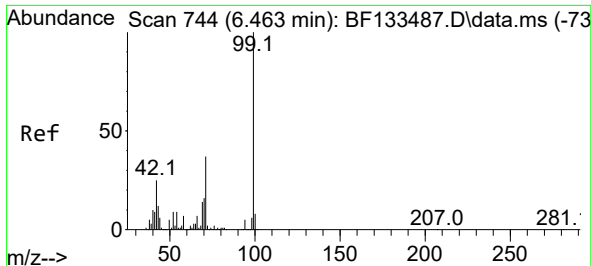
Tgt Ion:152 Resp: 135776
Ion Ratio Lower Upper
152 100
150 160.4 124.9 187.3
115 60.3 48.1 72.1



#5
2-Fluorophenol
Concen: 81.689 ng
RT: 5.446 min Scan# 571
Delta R.T. 0.000 min
Lab File: BF133611.D
Acq: 07 Jun 2023 03:12

Tgt Ion:112 Resp: 664766
Ion Ratio Lower Upper
112 100
64 63.1 50.1 75.1
63 34.4 27.5 41.3

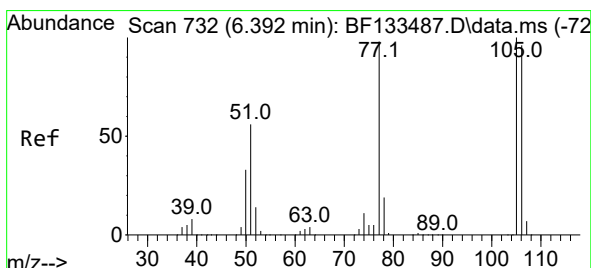
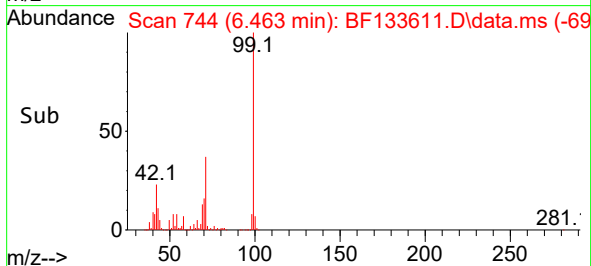
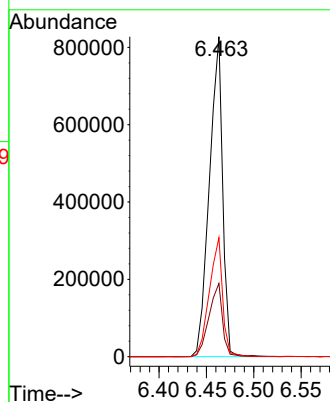
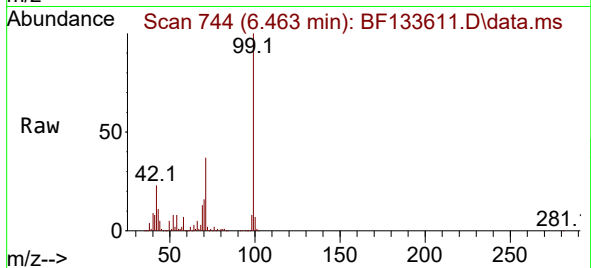




#7
Phenol-d6
Concen: 80.239 ng
RT: 6.463 min Scan# 744
Delta R.T. 0.000 min
Lab File: BF133611.D
Acq: 07 Jun 2023 03:12

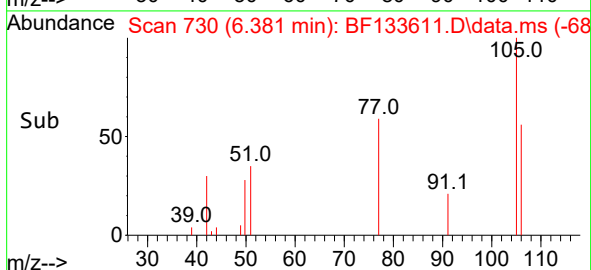
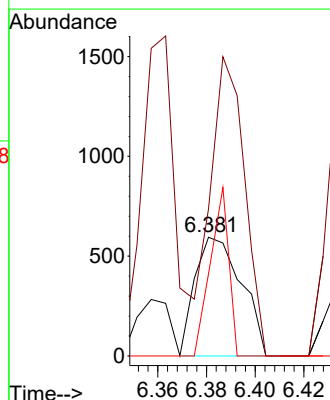
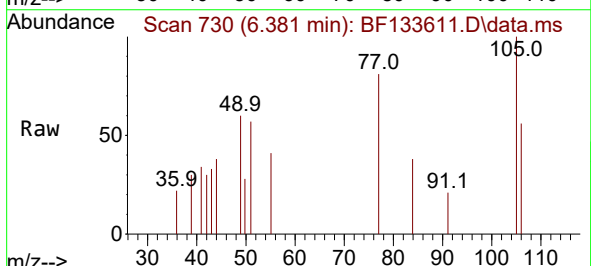
Instrument :
BNA_F
ClientSampleId :
WC9-(12-17)

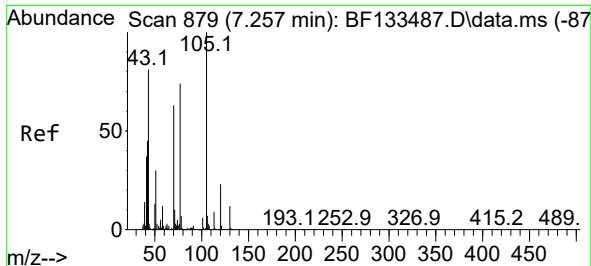
Tgt Ion: 99 Resp: 803812
Ion Ratio Lower Upper
99 100
42 22.9 19.7 29.5
71 37.2 29.8 44.8



#9
Benzaldehyde
Concen: Below Cal
RT: 6.381 min Scan# 730
Delta R.T. -0.006 min
Lab File: BF133611.D
Acq: 07 Jun 2023 03:12

Tgt Ion: 77 Resp: 792
Ion Ratio Lower Upper
77 100
105 123.9 81.9 121.9#
106 69.2 77.8 117.8#

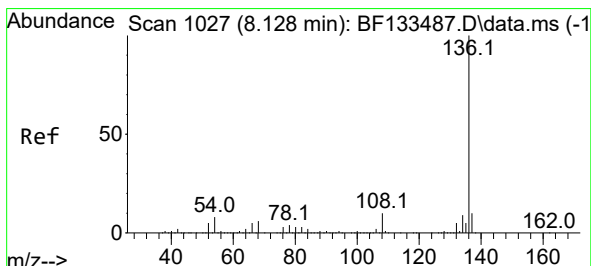
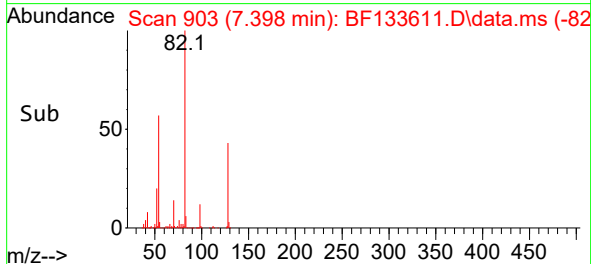
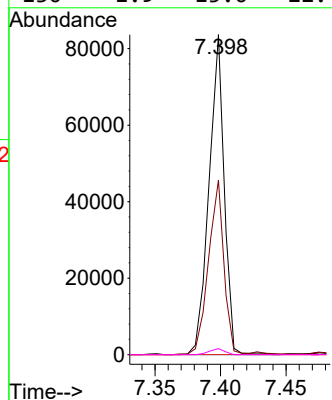
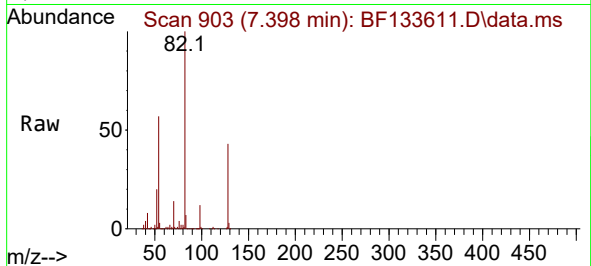




#19
n-Nitroso-di-n-propylamine
Concen: 10.480 ng
RT: 7.398 min Scan# 90
Delta R.T. 0.147 min
Lab File: BF133611.D
Acq: 07 Jun 2023 03:12

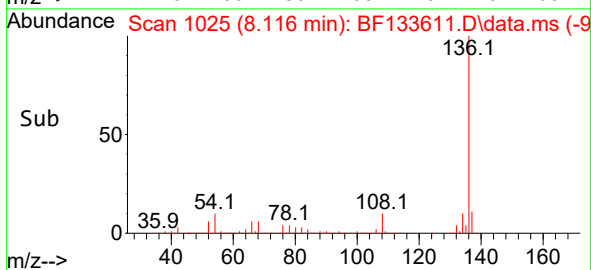
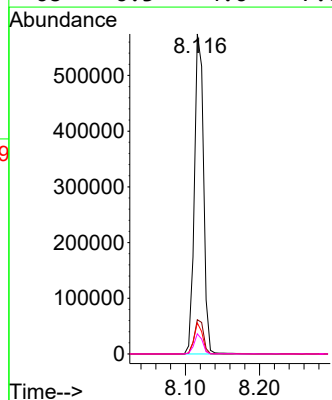
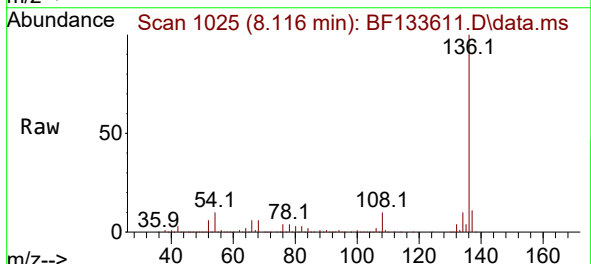
Instrument :
BNA_F
ClientSampleId :
WC9-(12-17)

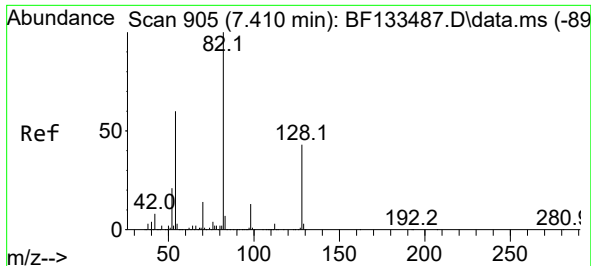
Tgt Ion: 70 Resp: 67926
Ion Ratio Lower Upper
70 100
42 54.6 57.2 85.8#
101 0.0 7.3 10.9#
130 1.9 15.0 22.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF133611.D
Acq: 07 Jun 2023 03:12

Tgt Ion: 136 Resp: 492940
Ion Ratio Lower Upper
136 100
137 10.7 8.2 12.4
54 9.7 6.6 10.0
68 6.3 4.6 7.0





#23

Nitrobenzene-d5

Concen: 66.948 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.006 min

Lab File: BF133611.D

Acq: 07 Jun 2023 03:12

Instrument :

BNA_F

ClientSampleId :

WC9-(12-17)

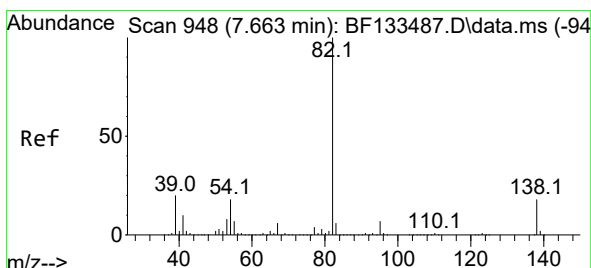
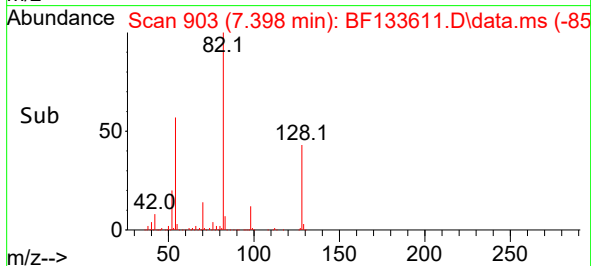
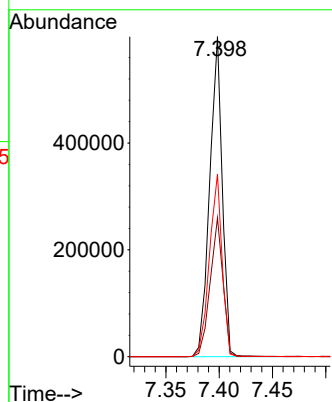
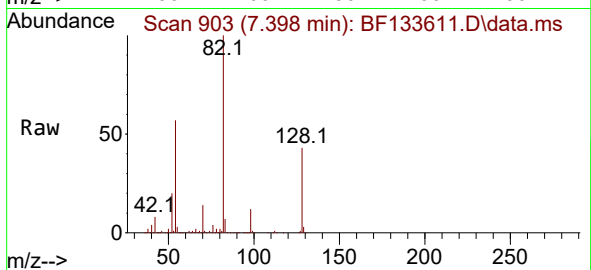
Tgt Ion: 82 Resp: 494266

Ion Ratio Lower Upper

82 100

128 43.4 34.2 51.4

54 57.1 48.2 72.4



#25

Isophorone

Concen: 28.731 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.259 min

Lab File: BF133611.D

Acq: 07 Jun 2023 03:12

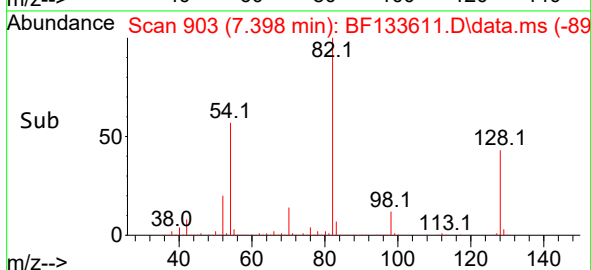
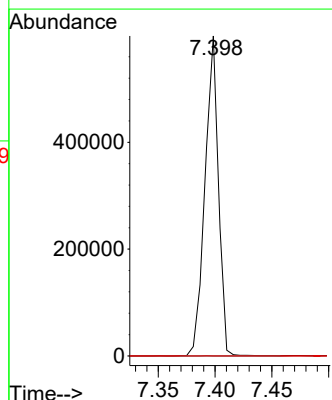
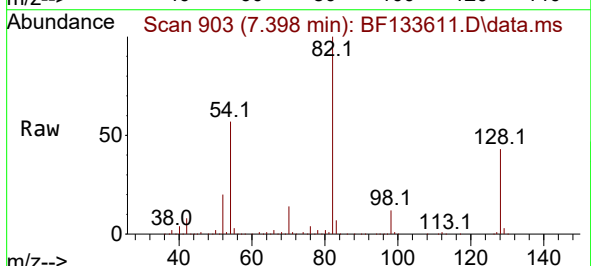
Tgt Ion: 82 Resp: 494348

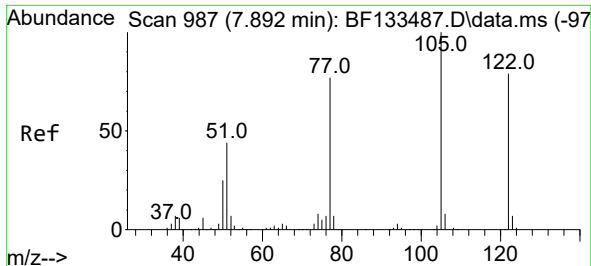
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 14.2 21.4#

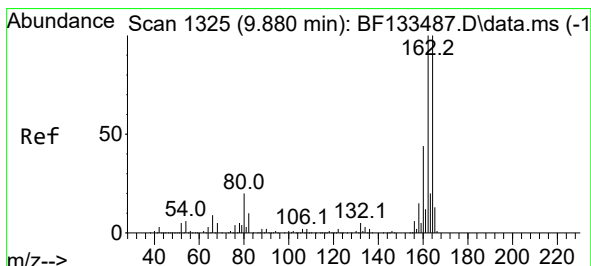
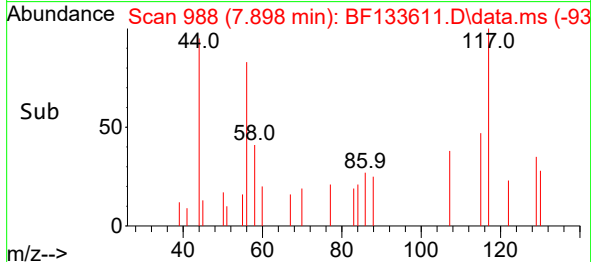
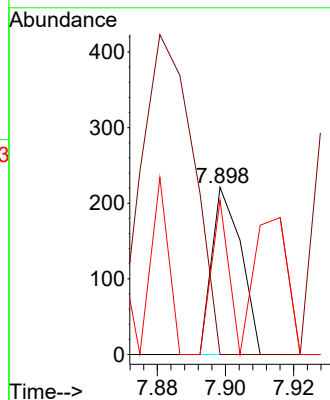
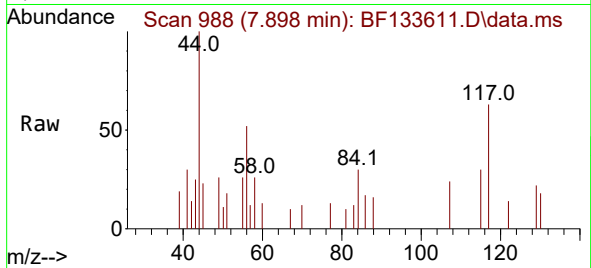




#32
Benzoic acid
Concen: 7.372 ng
RT: 7.898 min Scan# 91
Delta R.T. 0.012 min
Lab File: BF133611.D
Acq: 07 Jun 2023 03:12

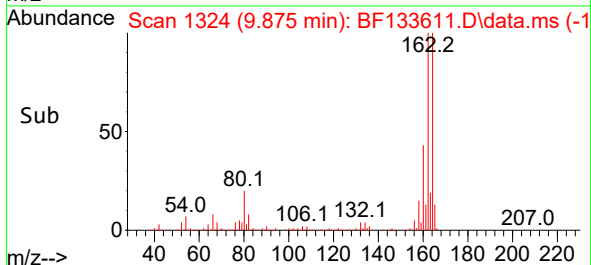
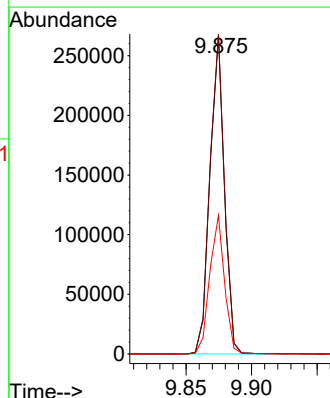
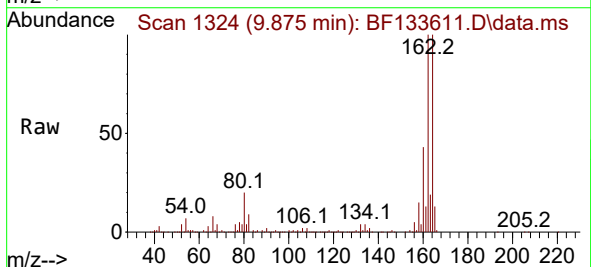
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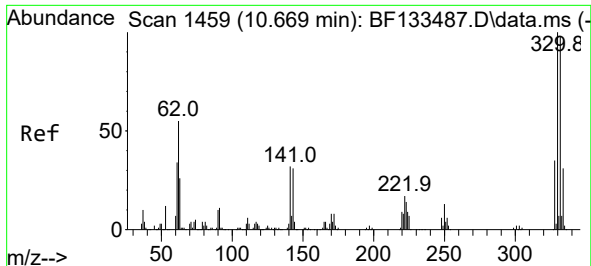
Tgt Ion:122 Resp: 131
Ion Ratio Lower Upper
122 100
105 0.0 103.3 143.3#
77 92.3 75.7 115.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1324
Delta R.T. 0.000 min
Lab File: BF133611.D
Acq: 07 Jun 2023 03:12

Tgt Ion:164 Resp: 204354
Ion Ratio Lower Upper
164 100
162 100.5 79.7 119.5
160 43.5 35.4 53.0

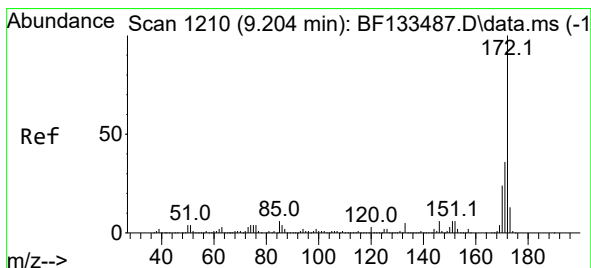
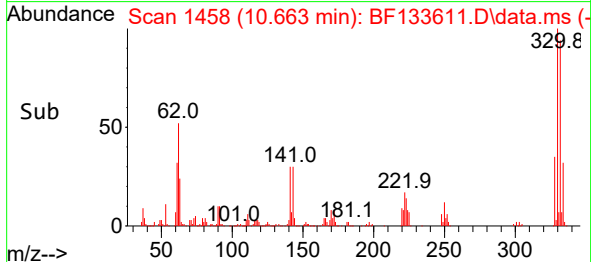
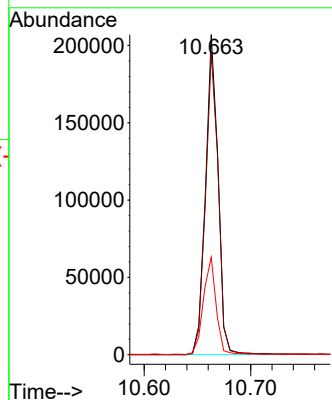
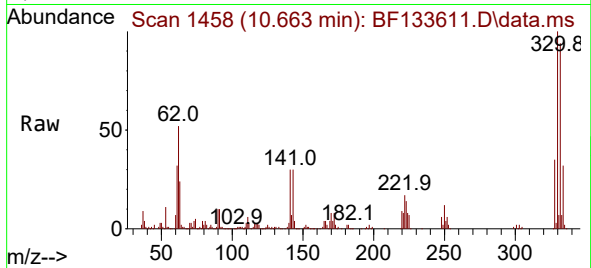




#42
2,4,6-Tribromophenol
Concen: 83.735 ng
RT: 10.663 min Scan# 1459
Delta R.T. -0.006 min
Lab File: BF133611.D
Acq: 07 Jun 2023 03:12

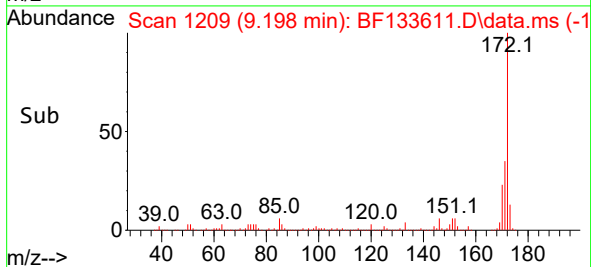
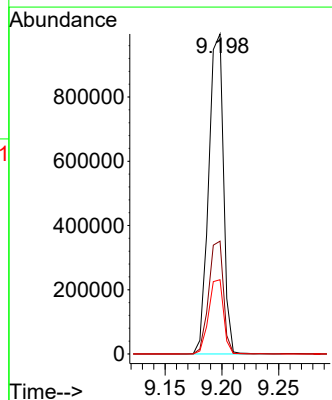
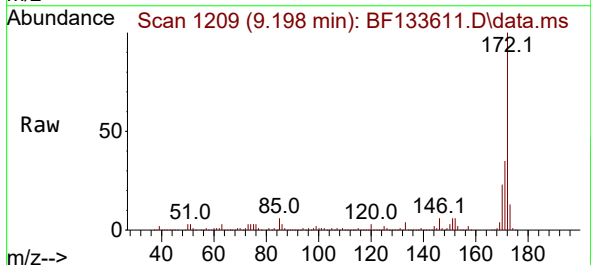
Instrument :
BNA_F
ClientSampleId :
WC9-(12-17)

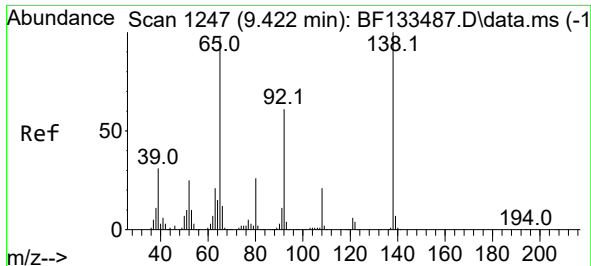
Tgt Ion: 330 Resp: 170571
Ion Ratio Lower Upper
330 100
332 96.4 77.8 116.6
141 30.7 26.6 40.0



#45
2-Fluorobiphenyl
Concen: 67.864 ng
RT: 9.198 min Scan# 1209
Delta R.T. 0.000 min
Lab File: BF133611.D
Acq: 07 Jun 2023 03:12

Tgt Ion: 172 Resp: 898528
Ion Ratio Lower Upper
172 100
171 35.3 28.4 42.6
170 23.2 19.3 28.9

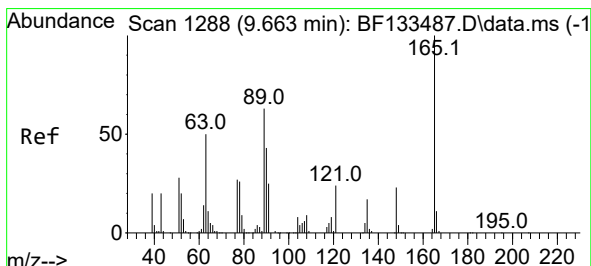
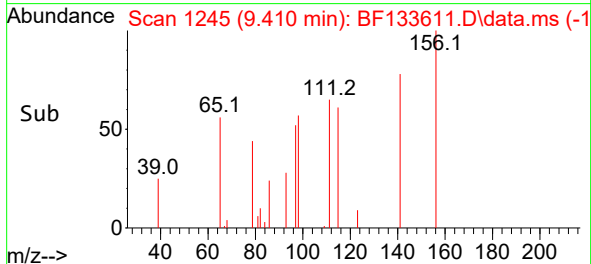
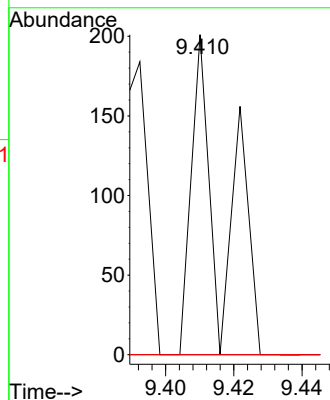
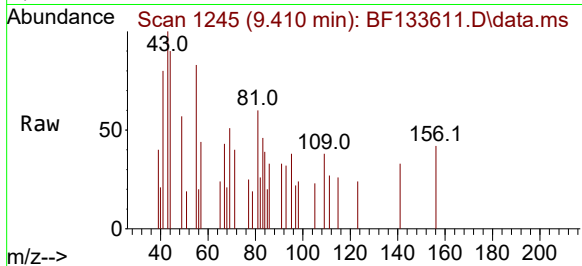




#48
2-Nitroaniline
Concen: 4.021 ng
RT: 9.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133611.D
Acq: 07 Jun 2023 03:12

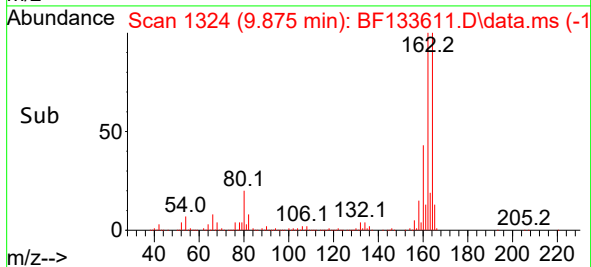
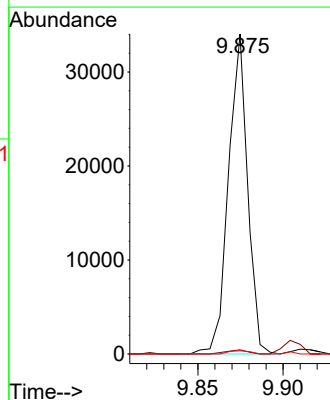
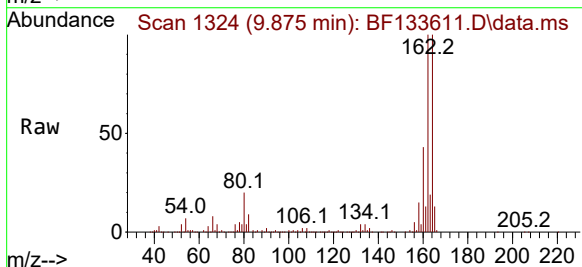
Instrument :
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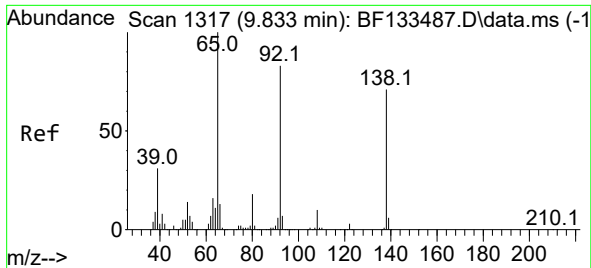
Tgt Ion: 65 Resp: 126
Ion Ratio Lower Upper
65 100
92 0.0 50.8 76.2#
138 0.0 82.6 124.0#



#51
2,6-Dinitrotoluene
Concen: 12.678 ng
RT: 9.875 min Scan# 1324
Delta R.T. 0.212 min
Lab File: BF133611.D
Acq: 07 Jun 2023 03:12

Tgt Ion: 165 Resp: 26607
Ion Ratio Lower Upper
165 100
63 1.3 57.0 85.4#
89 1.0 50.8 76.2#

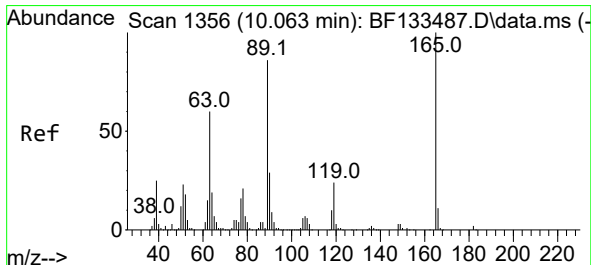
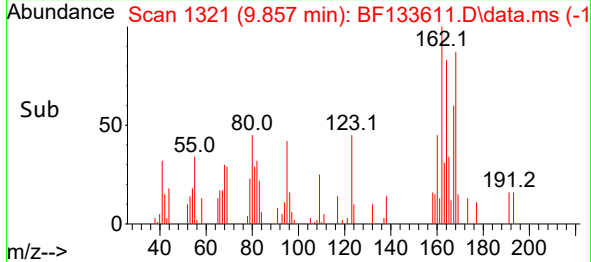
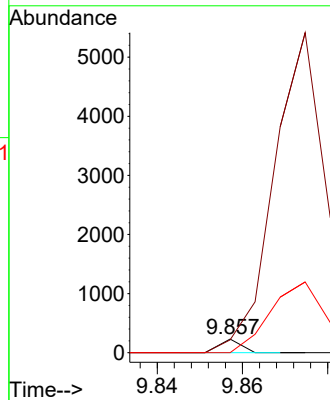
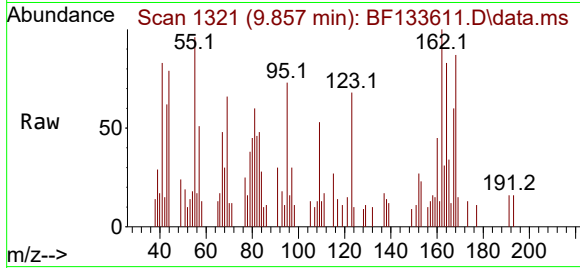




#53
3-Nitroaniline
Concen: 3.202 ng
RT: 9.857 min Scan# 11
Delta R.T. 0.024 min
Lab File: BF133611.D
Acq: 07 Jun 2023 03:12

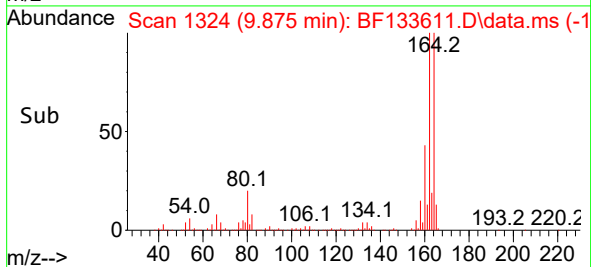
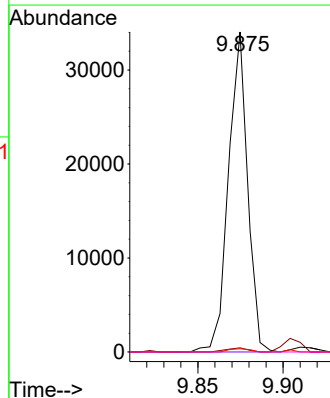
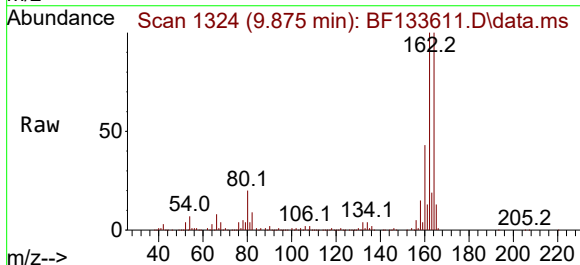
Instrument :
BNA_F
ClientSampleId :
WC9-(12-17)

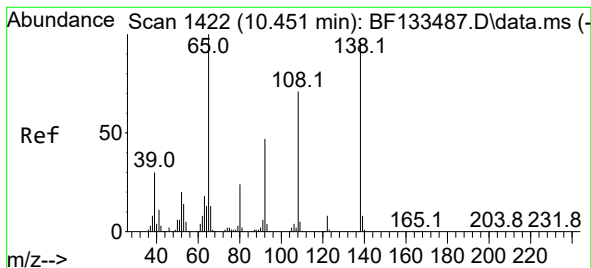
Tgt Ion:138 Resp: 82
Ion Ratio Lower Upper
138 100
108 93.9 11.9 17.9#
92 0.0 93.1 139.7#



#57
2,4-Dinitrotoluene
Concen: 11.820 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.188 min
Lab File: BF133611.D
Acq: 07 Jun 2023 03:12

Tgt Ion:165 Resp: 26607
Ion Ratio Lower Upper
165 100
63 1.3 48.1 72.1#
89 1.0 68.4 102.6#
182 0.0 1.9 2.9#





#62

4-Nitroaniline

Concen: 3.057 ng

RT: 10.422 min Scan# 1422

Delta R.T. -0.023 min

Lab File: BF133611.D

Acq: 07 Jun 2023 03:12

Instrument :

BNA_F

ClientSampleId :

WC9-(12-17)

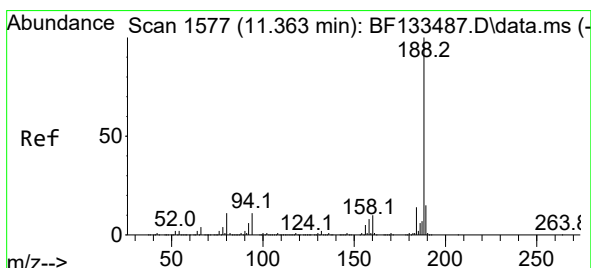
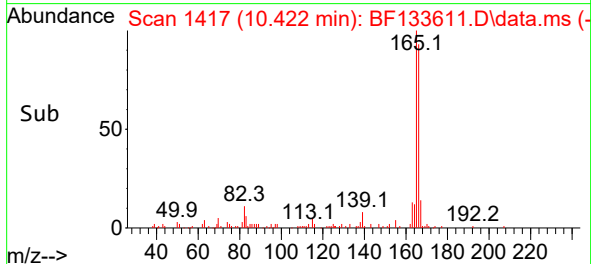
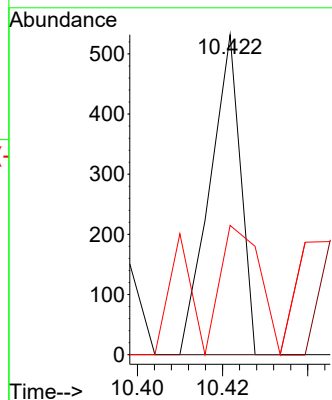
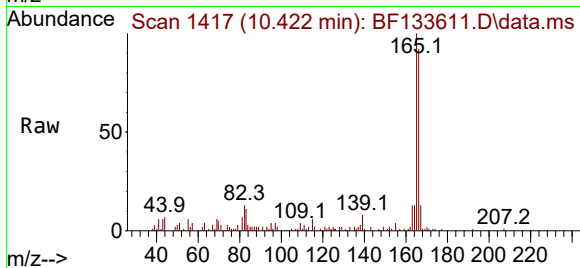
Tgt Ion:138 Resp: 267

Ion Ratio Lower Upper

138 100

92 0.0 28.4 68.4#

108 40.4 54.2 94.2#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.363 min Scan# 1577

Delta R.T. 0.000 min

Lab File: BF133611.D

Acq: 07 Jun 2023 03:12

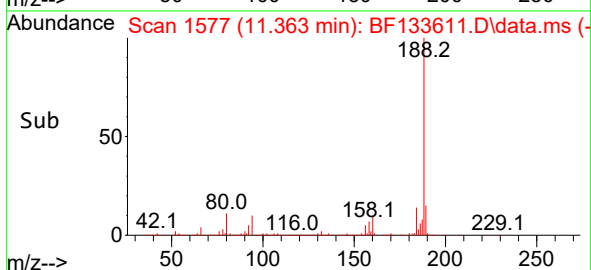
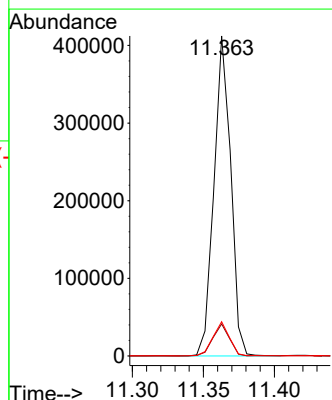
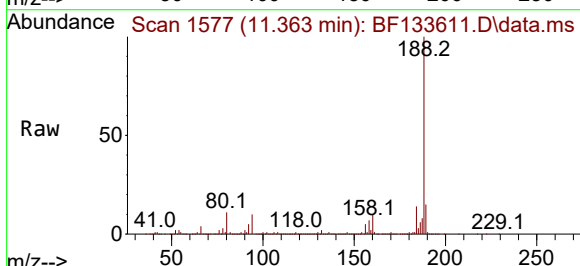
Tgt Ion:188 Resp: 337881

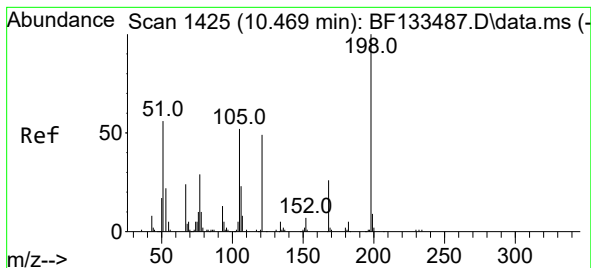
Ion Ratio Lower Upper

188 100

94 10.0 8.6 12.8

80 10.7 9.2 13.8

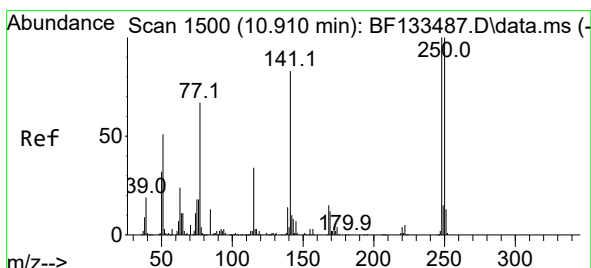
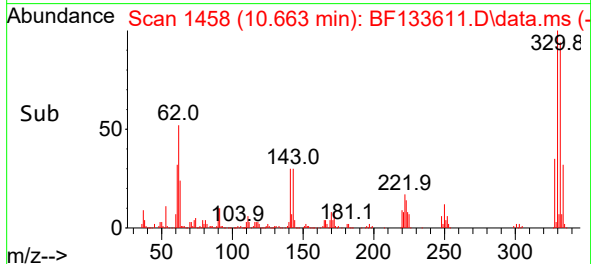
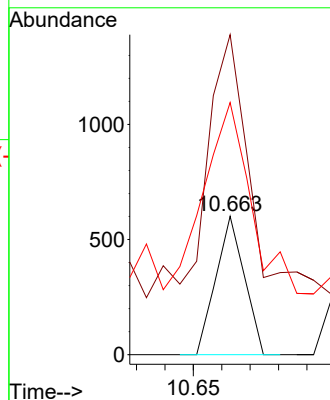
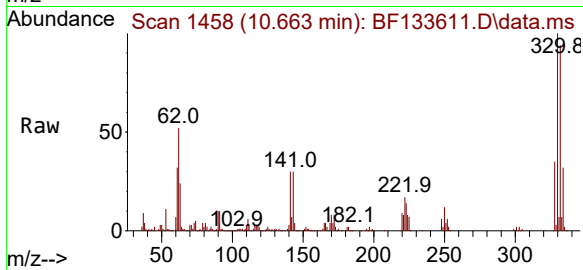




#65
4,6-Dinitro-2-methylphenol
Concen: 8.960 ng
RT: 10.663 min Scan# 1425
Delta R.T. 0.188 min
Lab File: BF133611.D
Acq: 07 Jun 2023 03:12

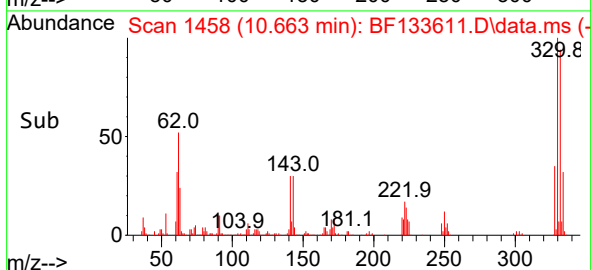
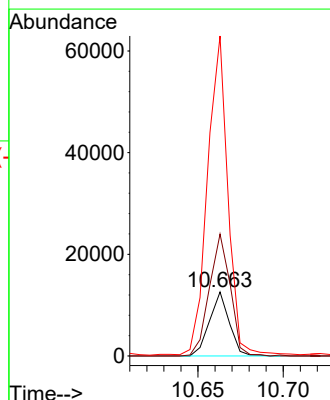
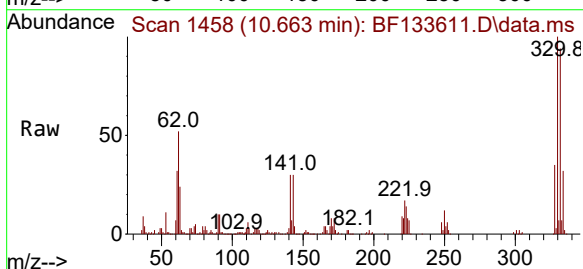
Instrument :
BNA_F
ClientSampleId :
WC9-(12-17)

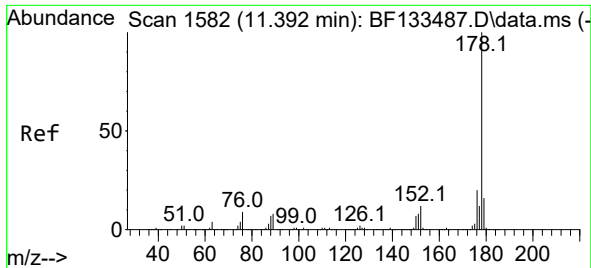
Tgt Ion:198 Resp: 419
Ion Ratio Lower Upper
198 100
51 231.3 53.6 93.6#
105 182.2 35.9 75.9#



#67
4-Bromophenyl-phenylether
Concen: 2.830 ng
RT: 10.663 min Scan# 1458
Delta R.T. -0.247 min
Lab File: BF133611.D
Acq: 07 Jun 2023 03:12

Tgt Ion:248 Resp: 10155
Ion Ratio Lower Upper
248 100
250 190.7 79.7 119.5#
141 500.3 66.6 100.0#

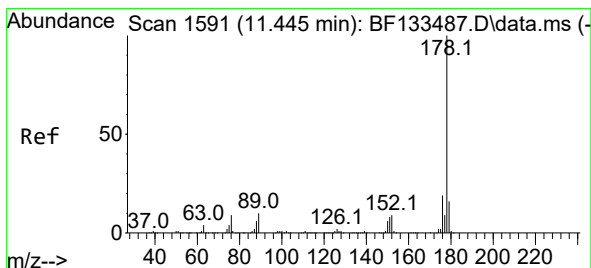
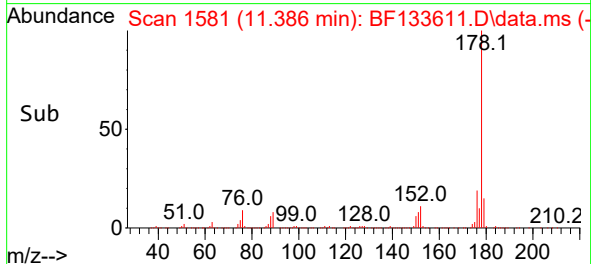
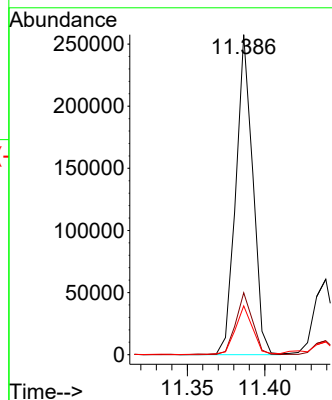
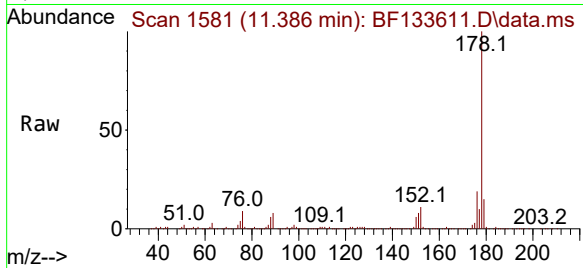




#71
Phenanthrene
Concen: 11.433 ng
RT: 11.386 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133611.D
Acq: 07 Jun 2023 03:12

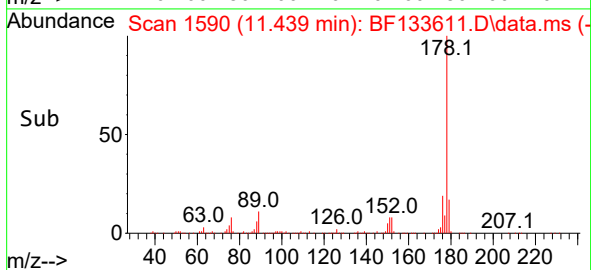
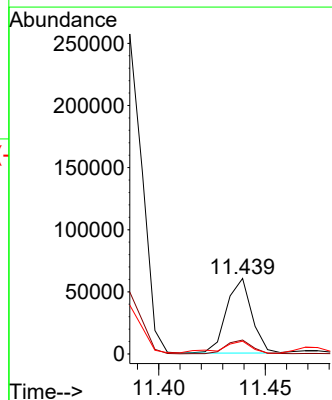
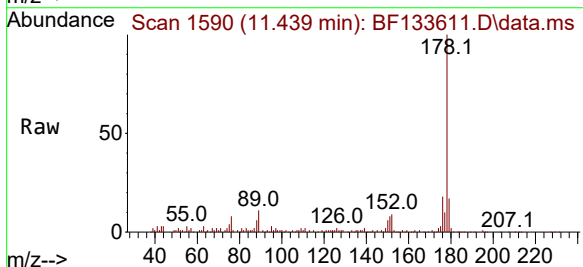
Instrument :
BNA_F
ClientSampleId :
WC9-(12-17)

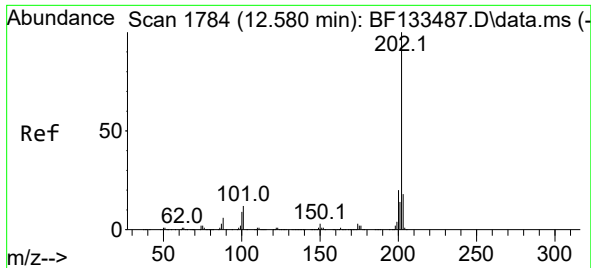
Tgt Ion:178 Resp: 195656
Ion Ratio Lower Upper
178 100
176 19.3 15.6 23.4
179 15.2 12.4 18.6



#72
Anthracene
Concen: 2.830 ng
RT: 11.439 min Scan# 1590
Delta R.T. 0.000 min
Lab File: BF133611.D
Acq: 07 Jun 2023 03:12

Tgt Ion:178 Resp: 49836
Ion Ratio Lower Upper
178 100
176 18.4 15.3 22.9
179 17.0 12.6 18.8

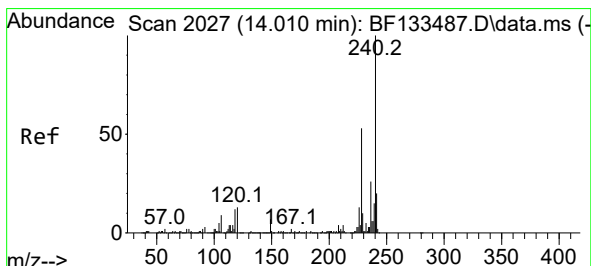
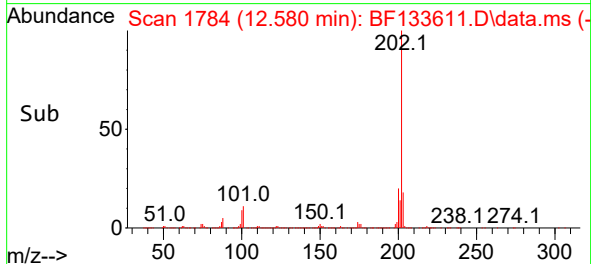
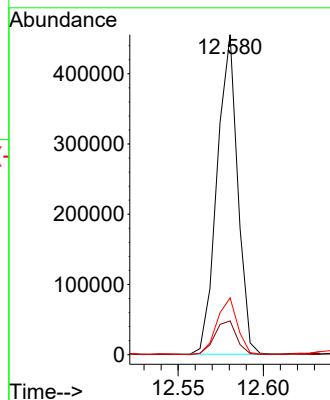
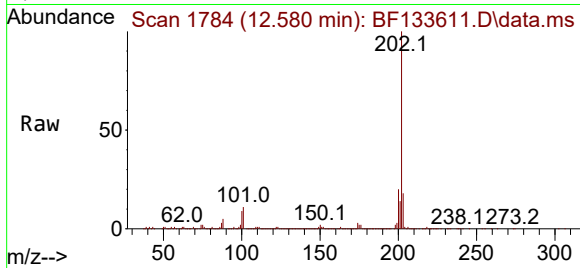




#75
Fluoranthene
Concen: 20.245 ng
RT: 12.580 min Scan# 1784
Delta R.T. 0.000 min
Lab File: BF133611.D
Acq: 07 Jun 2023 03:12

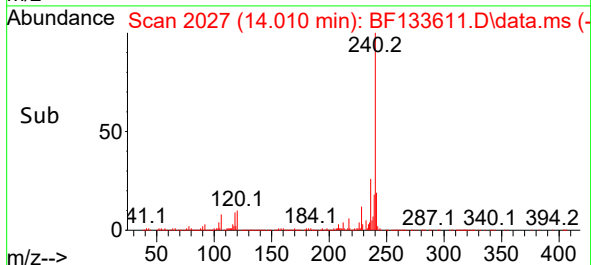
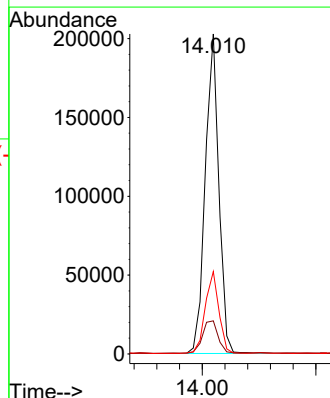
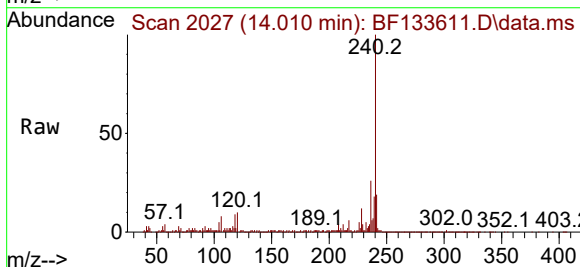
Instrument :
BNA_F
ClientSampleId :
WC9-(12-17)

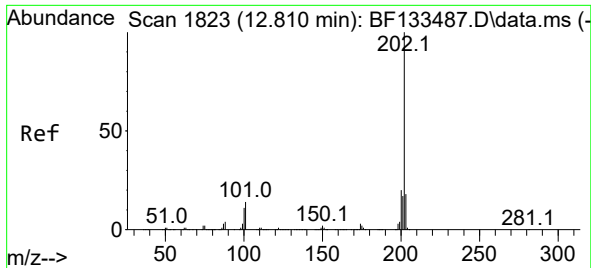
Tgt Ion:202 Resp: 382696
Ion Ratio Lower Upper
202 100
101 10.6 0.0 32.2
203 17.8 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2027
Delta R.T. 0.000 min
Lab File: BF133611.D
Acq: 07 Jun 2023 03:12

Tgt Ion:240 Resp: 167856
Ion Ratio Lower Upper
240 100
120 10.3 10.3 15.5
236 25.8 20.5 30.7

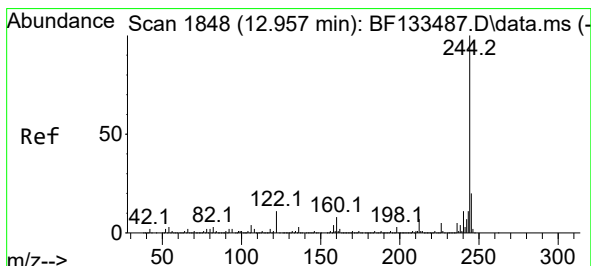
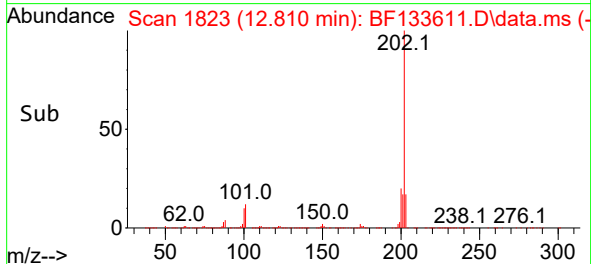
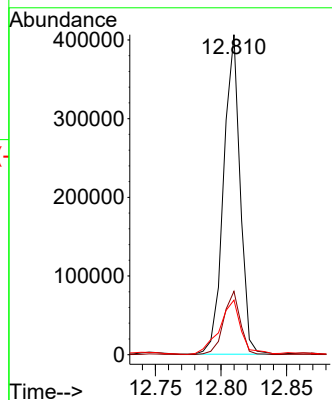
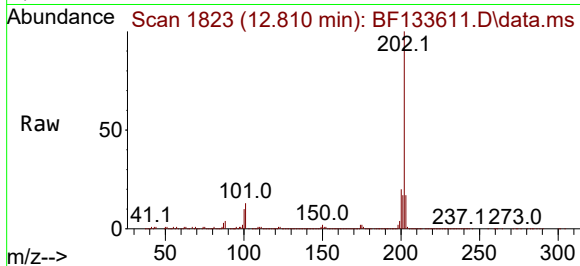




#78
 Pyrene
 Concen: 24.847 ng
 RT: 12.810 min Scan# 1823
 Delta R.T. 0.000 min
 Lab File: BF133611.D
 Acq: 07 Jun 2023 03:12

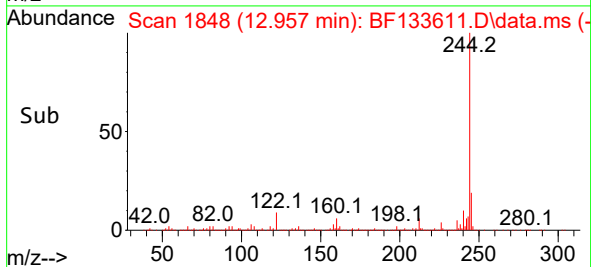
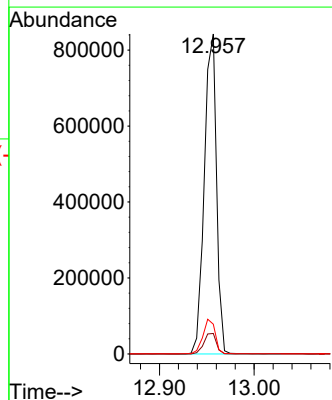
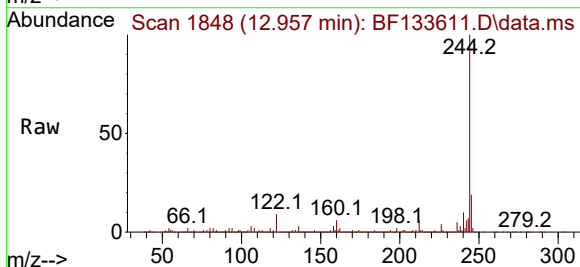
Instrument :
 BNA_F
 ClientSampleId :
 WC9-(12-17)

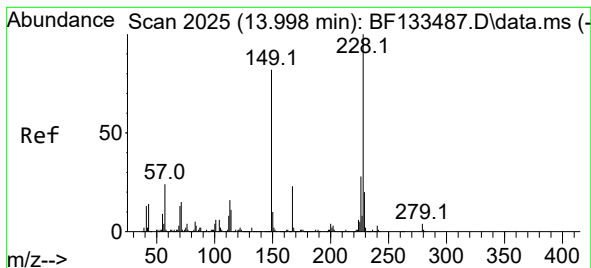
Tgt Ion:202 Resp: 354913
 Ion Ratio Lower Upper
 202 100
 200 19.8 16.3 24.5
 203 17.0 14.3 21.5



#79
 Terphenyl-d14
 Concen: 80.151 ng
 RT: 12.957 min Scan# 1848
 Delta R.T. 0.000 min
 Lab File: BF133611.D
 Acq: 07 Jun 2023 03:12

Tgt Ion:244 Resp: 756686
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.8 8.6
 122 9.3 8.5 12.7





#81

Benzo(a)anthracene

Concen: 12.972 ng

RT: 13.998 min Scan# 2025

Delta R.T. 0.000 min

Lab File: BF133611.D

Acq: 07 Jun 2023 03:12

Instrument :

BNA_F

ClientSampleId :

WC9-(12-17)

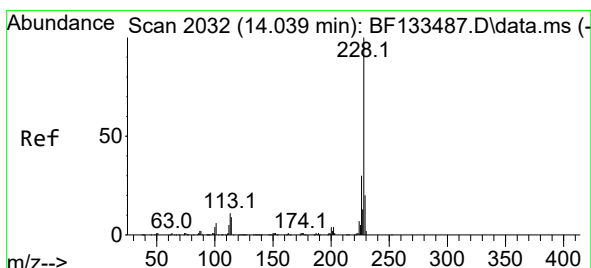
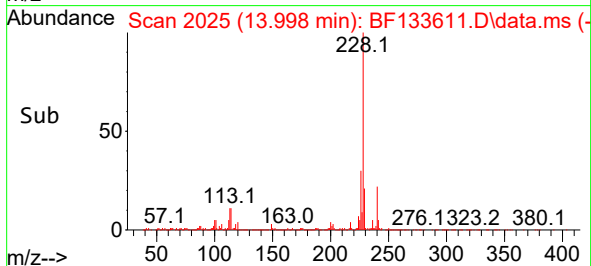
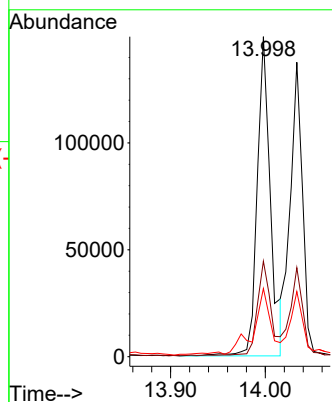
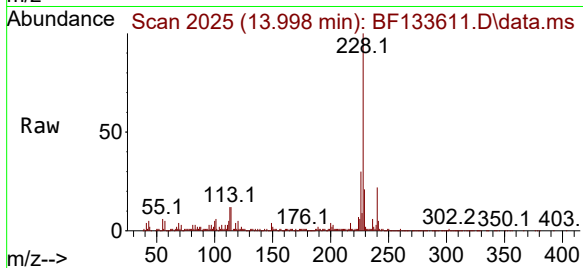
Tgt Ion:228 Resp: 145049

Ion Ratio Lower Upper

228 100

226 29.9 22.3 33.5

229 21.3 16.1 24.1



#83

Chrysene

Concen: 10.979 ng

RT: 14.033 min Scan# 2031

Delta R.T. -0.006 min

Lab File: BF133611.D

Acq: 07 Jun 2023 03:12

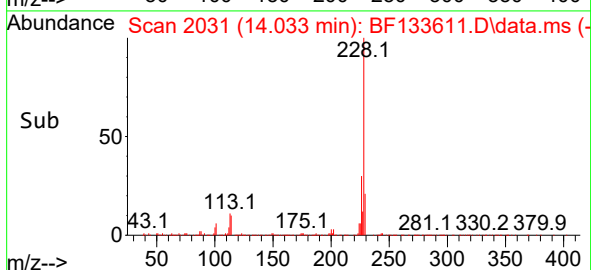
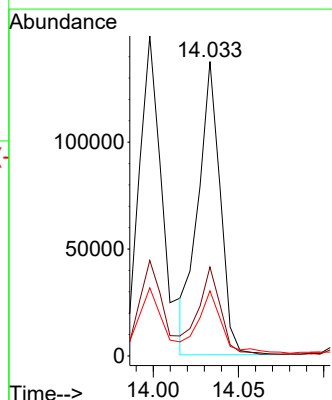
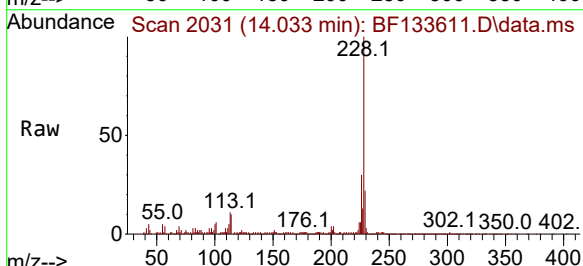
Tgt Ion:228 Resp: 123936

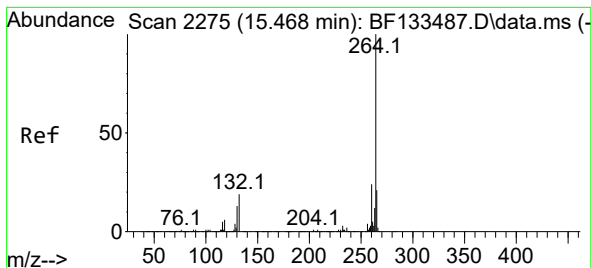
Ion Ratio Lower Upper

228 100

226 30.2 24.1 36.1

229 22.1 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.474 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF133611.D

Acq: 07 Jun 2023 03:12

Instrument :

BNA_F

ClientSampleId :

WC9-(12-17)

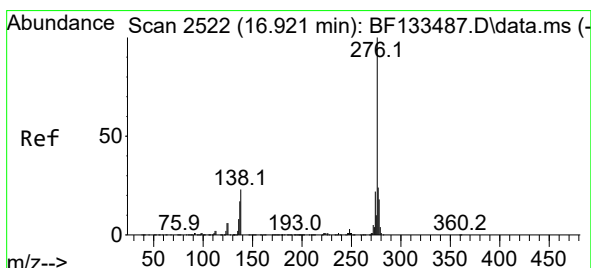
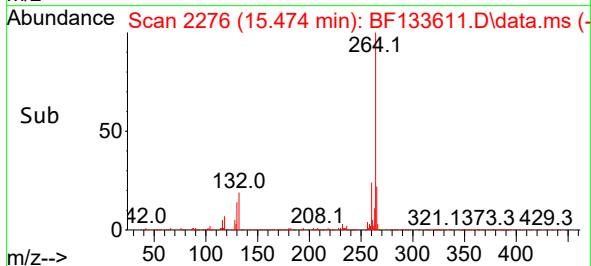
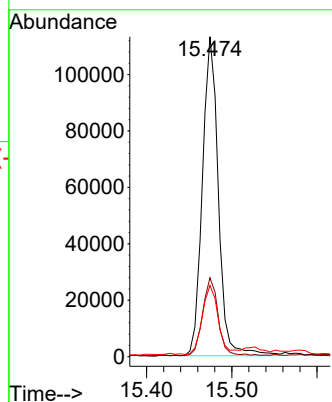
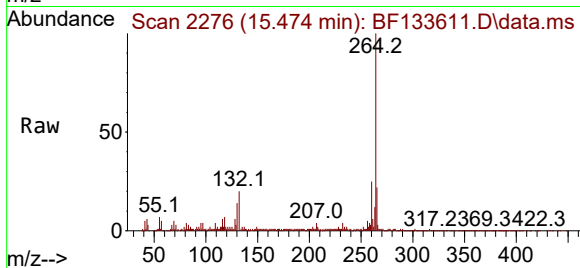
Tgt Ion:264 Resp: 147374

Ion Ratio Lower Upper

264 100

260 24.7 19.0 28.4

265 22.3 16.8 25.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.904 ng

RT: 16.933 min Scan# 2524

Delta R.T. 0.000 min

Lab File: BF133611.D

Acq: 07 Jun 2023 03:12

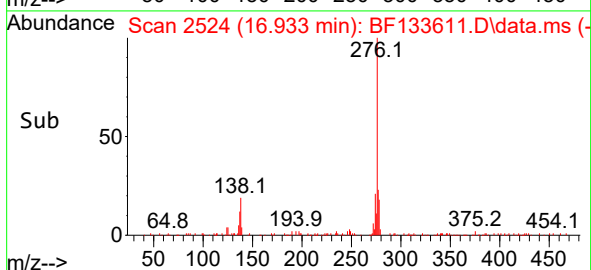
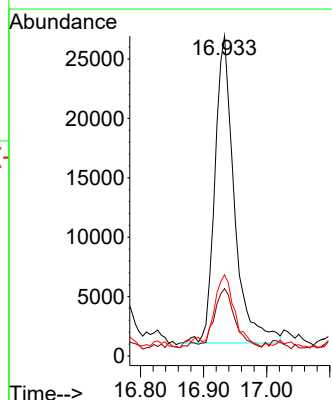
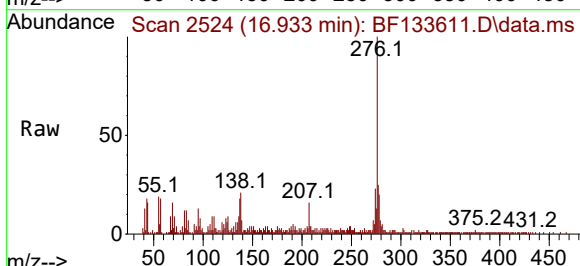
Tgt Ion:276 Resp: 55427

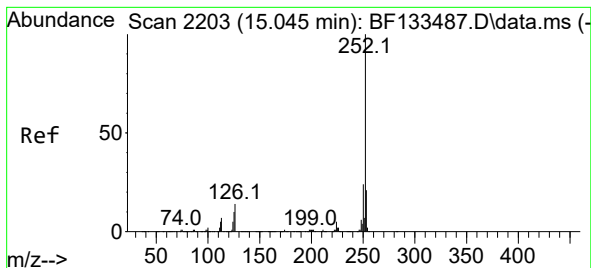
Ion Ratio Lower Upper

276 100

138 20.0 21.4 32.2#

277 23.7 20.0 30.0





#88

Benzo(b)fluoranthene

Concen: 20.281 ng

RT: 15.045 min Scan# 2203

Delta R.T. 0.000 min

Lab File: BF133611.D

Acq: 07 Jun 2023 03:12

Instrument :

BNA_F

ClientSampleId :

WC9-(12-17)

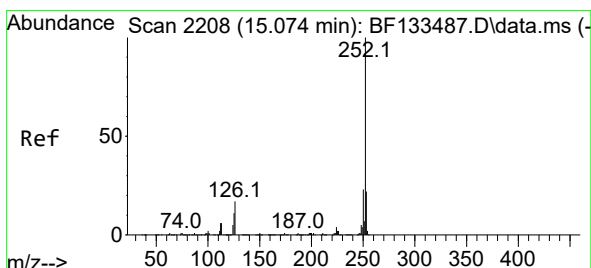
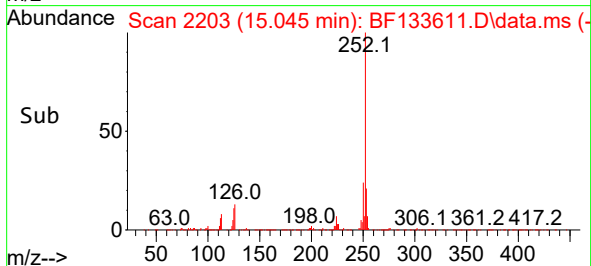
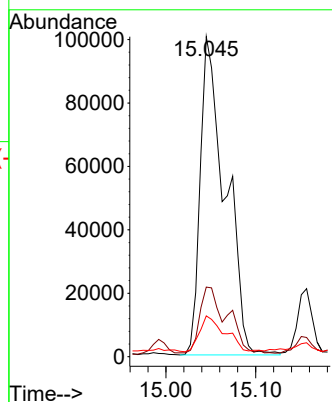
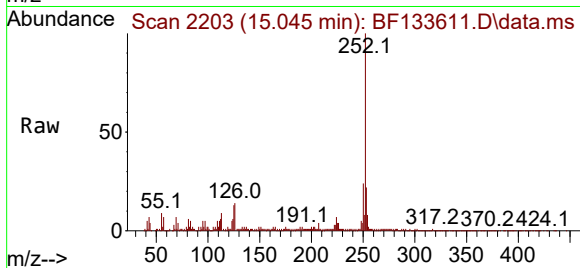
Tgt Ion:252 Resp: 194625

Ion Ratio Lower Upper

252 100

253 21.7 17.2 25.8

125 12.8 8.1 12.1#



#89

Benzo(k)fluoranthene

Concen: 20.799 ng

RT: 15.045 min Scan# 2203

Delta R.T. -0.029 min

Lab File: BF133611.D

Acq: 07 Jun 2023 03:12

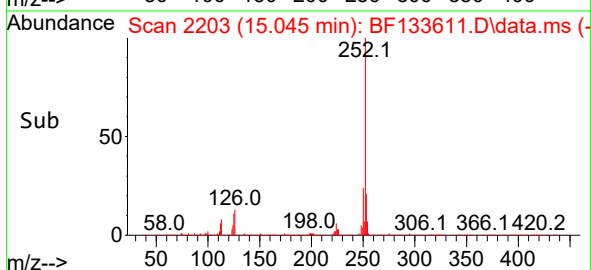
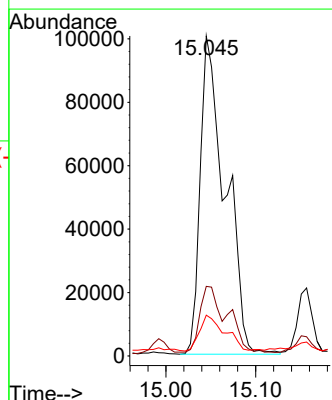
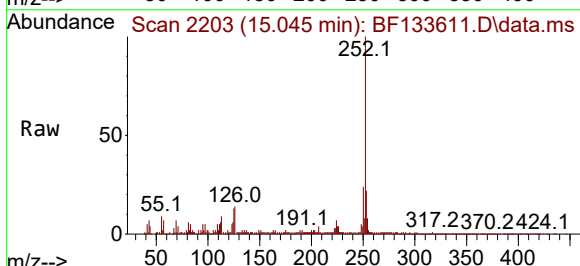
Tgt Ion:252 Resp: 194625

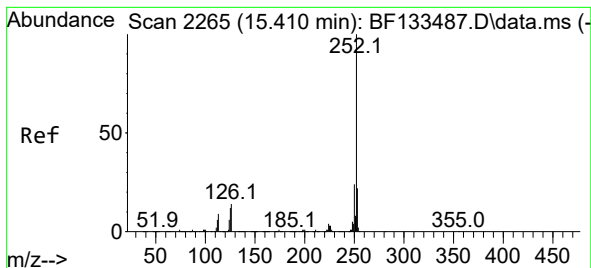
Ion Ratio Lower Upper

252 100

253 21.7 17.4 26.2

125 12.8 8.3 12.5#





#90

Benzo(a)pyrene

Concen: 11.910 ng

RT: 15.410 min Scan# 2265

Delta R.T. 0.000 min

Lab File: BF133611.D

Acq: 07 Jun 2023 03:12

Instrument :

BNF_F

ClientSampleId :

WC9-(12-17)

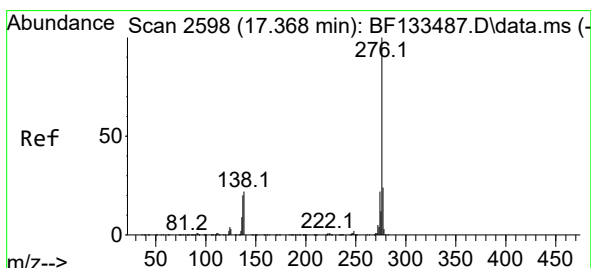
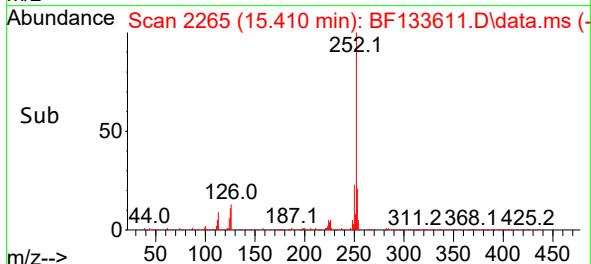
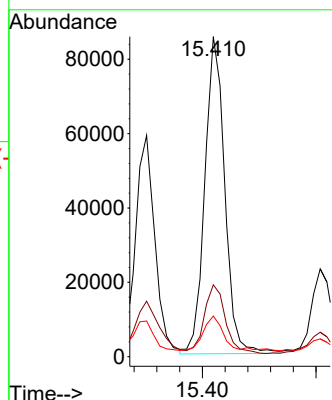
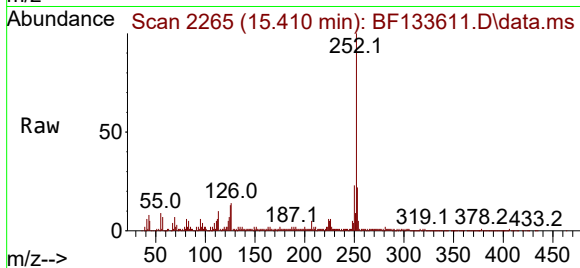
Tgt Ion:252 Resp: 104003

Ion Ratio Lower Upper

252 100

253 22.5 17.4 26.0

125 12.7 9.4 14.0



#92

Benzo(g,h,i)perylene

Concen: 6.715 ng

RT: 17.374 min Scan# 2599

Delta R.T. 0.000 min

Lab File: BF133611.D

Acq: 07 Jun 2023 03:12

Tgt Ion:276 Resp: 51538

Ion Ratio Lower Upper

276 100

277 27.6 18.8 28.2

138 23.9 17.8 26.6

