

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060823\
 Data File : BF133657.D
 Acq On : 09 Jun 2023 00:29
 Operator : CG\JU
 Sample : 03069-06
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC35

Quant Time: Jun 09 01:51:47 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 08 11:43:32 2023
 Response via : Initial Calibration

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

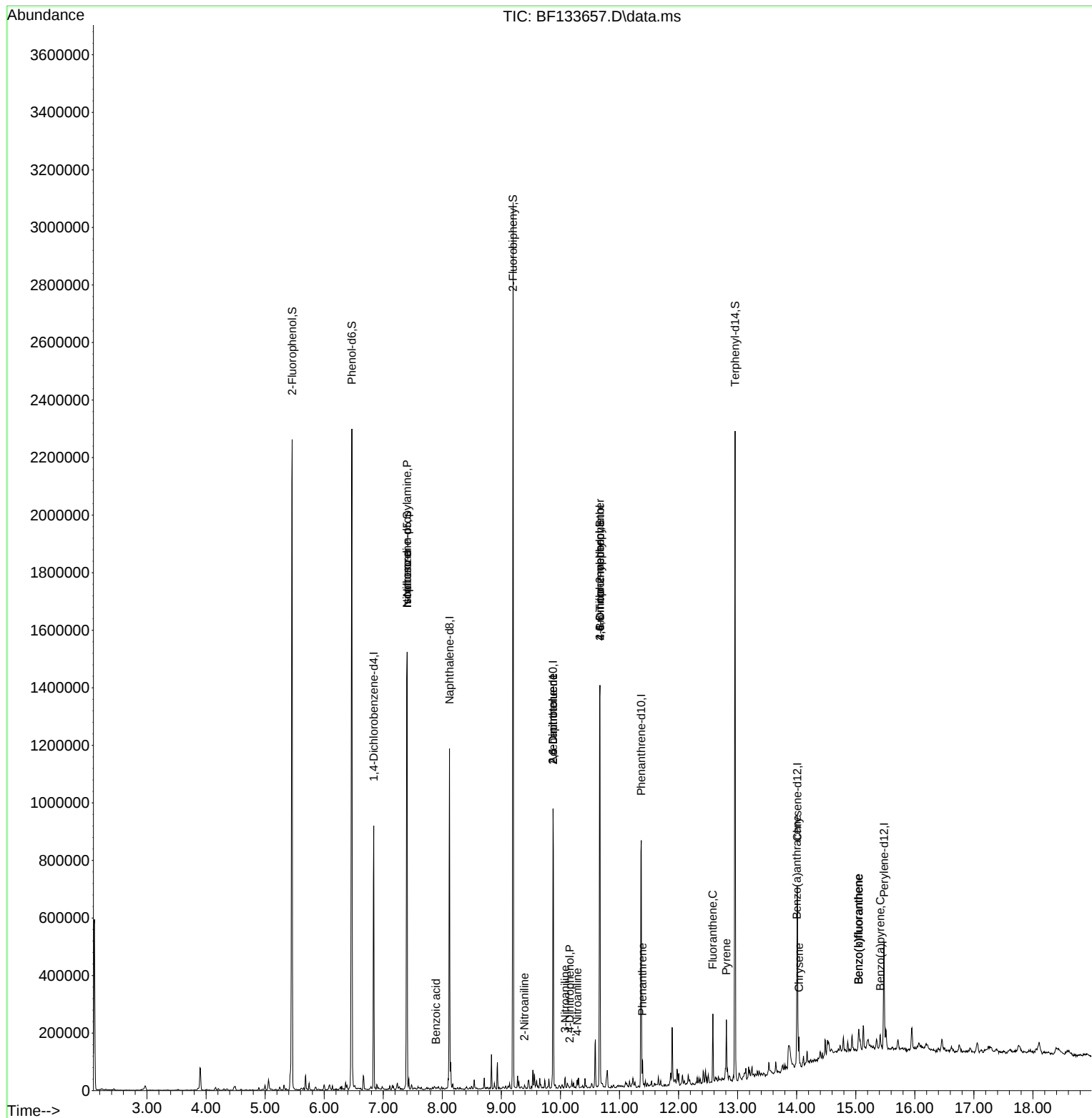
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	123749	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	437135	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	185724	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	329673	20.000	ng	# 0.00
76) Chrysene-d12	14.010	240	193111	20.000	ng	0.00
86) Perylene-d12	15.480	264	171419	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	625175	84.290	ng	0.01
7) Phenol-d6	6.469	99	744377	81.528	ng	0.00
23) Nitrobenzene-d5	7.404	82	469098	71.651	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	174739	94.386	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	827835	68.796	ng	0.00
79) Terphenyl-d14	12.957	244	728421	67.066	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.387	77	1943	Below Cal	#	87
19) n-Nitroso-di-n-propyla...	7.404	70	66229	11.211	ng	# 73
25) Isophorone	7.404	82	468213	30.686	ng	# 65
32) Benzoic acid	7.892	122	505	7.449	ng	# 75
48) 2-Nitroaniline	9.392	65	102	4.017	ng	# 6
51) 2,6-Dinitrotoluene	9.875	165	24441	12.775	ng	# 19
53) 3-Nitroaniline	10.080	138	56	3.197	ng	# 1
54) 2,4-Dinitrophenol	10.157	184	69	6.584	ng	# 17
57) 2,4-Dinitrotoluene	9.875	165	24441	11.896	ng	# 16
62) 4-Nitroaniline	10.286	138	61	3.003	ng	# 19
65) 4,6-Dinitro-2-methylph...	10.669	198	503	9.017	ng	# 1
67) 4-Bromophenyl-phenylether	10.669	248	10449	2.984	ng	# 1
71) Phenanthrene	11.386	178	33499	2.006	ng	99
75) Fluoranthene	12.580	202	84587	4.586	ng	98
78) Pyrene	12.810	202	78889	4.801	ng	98
81) Benzo(a)anthracene	14.004	228	42467	3.301	ng	97
83) Chrysene	14.039	228	41338	3.183	ng	96
88) Benzo(b)fluoranthene	15.051	252	53319	4.777	ng	97
89) Benzo(k)fluoranthene	15.051	252	53319	4.899	ng	98
90) Benzo(a)pyrene	15.415	252	24000	2.363	ng	# 91

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

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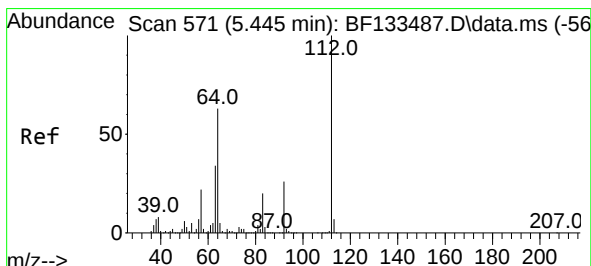
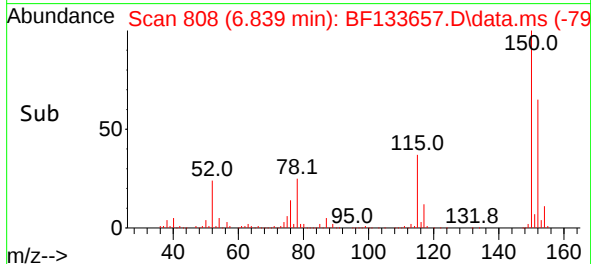
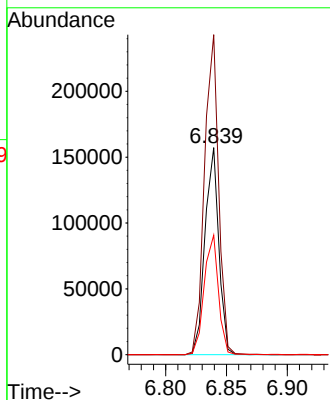
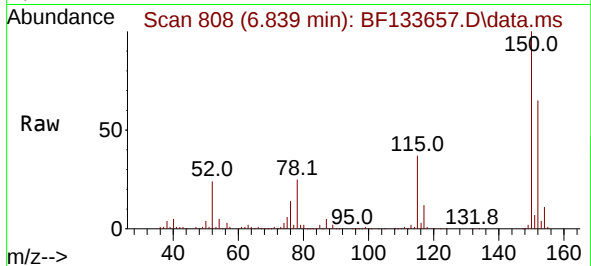




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF133657.D
Acq: 09 Jun 2023 00:29

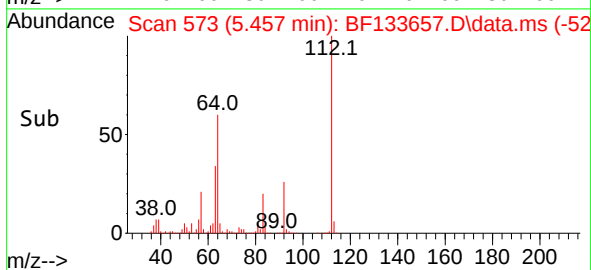
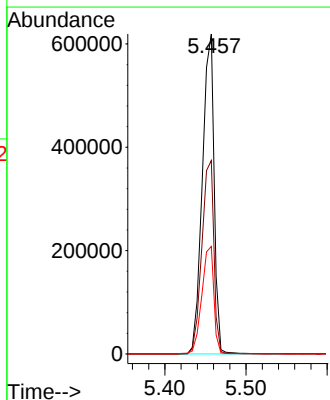
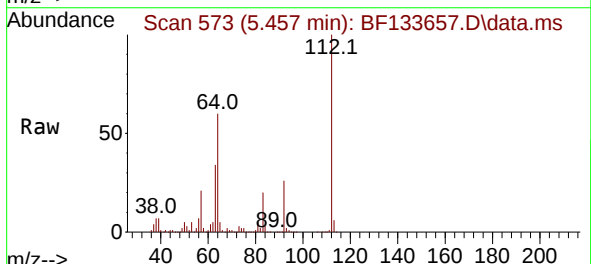
Instrument :
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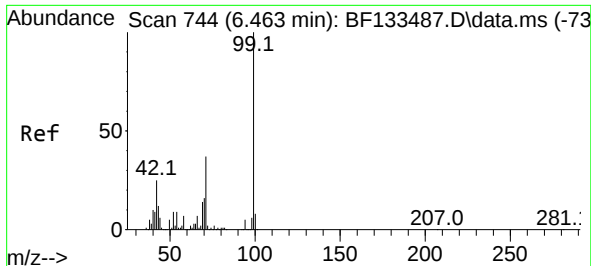
Tgt Ion:152 Resp: 123749
Ion Ratio Lower Upper
152 100
150 154.6 124.9 187.3
115 57.8 48.1 72.1



#5
2-Fluorophenol
Concen: 84.290 ng
RT: 5.457 min Scan# 573
Delta R.T. 0.012 min
Lab File: BF133657.D
Acq: 09 Jun 2023 00:29

Tgt Ion:112 Resp: 625175
Ion Ratio Lower Upper
112 100
64 60.4 50.1 75.1
63 33.6 27.5 41.3

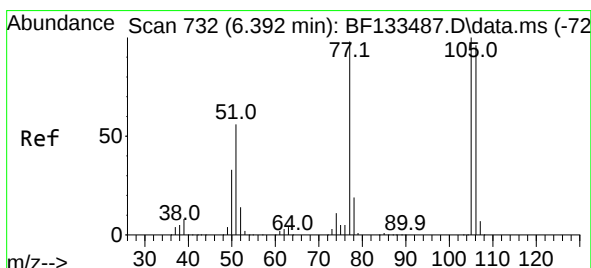
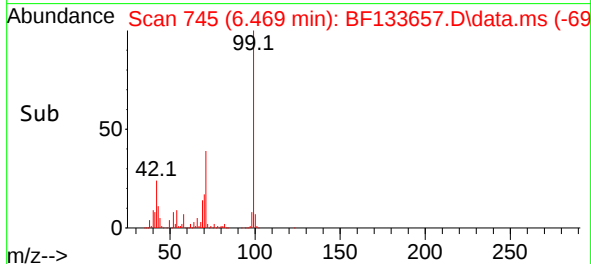
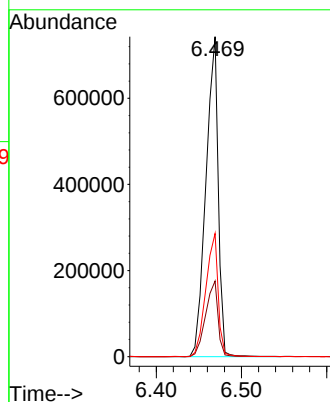
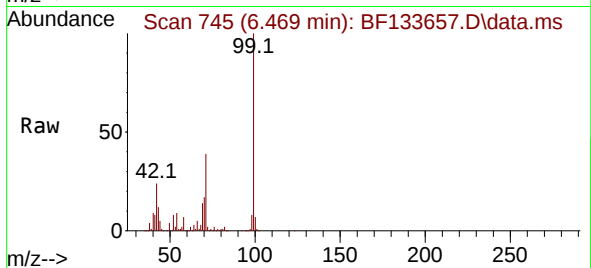




#7
Phenol-d6
Concen: 81.528 ng
RT: 6.469 min Scan# 744
Delta R.T. 0.000 min
Lab File: BF133657.D
Acq: 09 Jun 2023 00:29

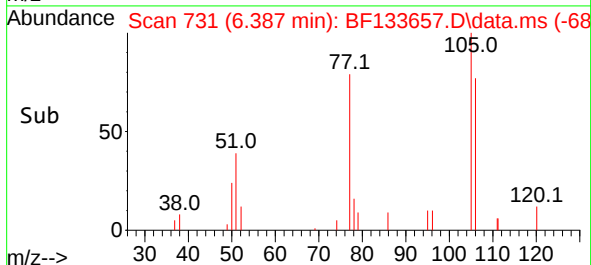
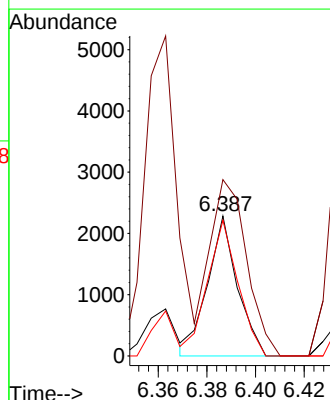
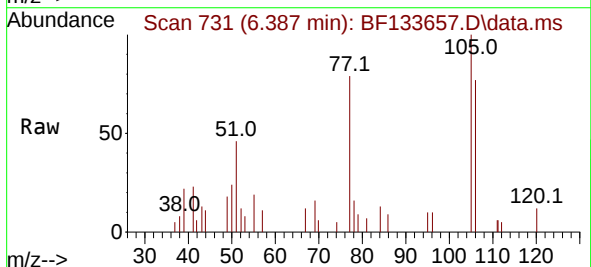
Instrument :
BNA_F
ClientSampleId :
WC35

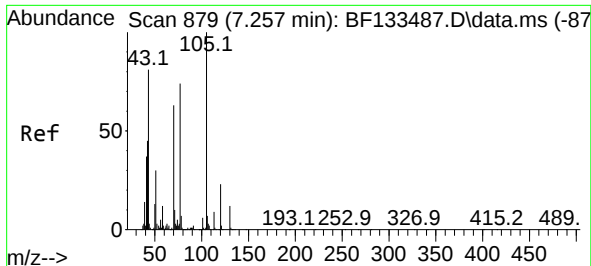
Tgt Ion: 99 Resp: 744377
Ion Ratio Lower Upper
99 100
42 23.6 19.7 29.5
71 38.5 29.8 44.8



#9
Benzaldehyde
Concen: Below Cal
RT: 6.387 min Scan# 731
Delta R.T. 0.000 min
Lab File: BF133657.D
Acq: 09 Jun 2023 00:29

Tgt Ion: 77 Resp: 1943
Ion Ratio Lower Upper
77 100
105 126.1 81.9 121.9#
106 96.9 77.8 117.8

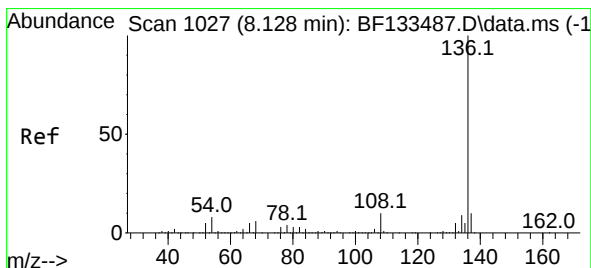
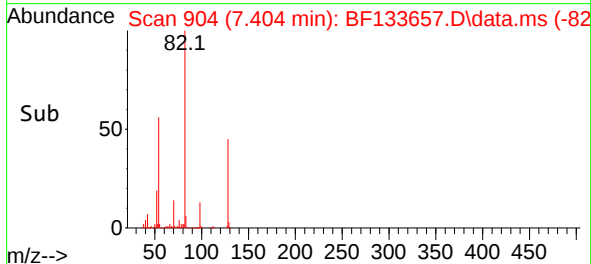
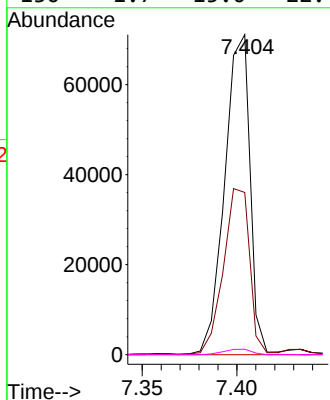
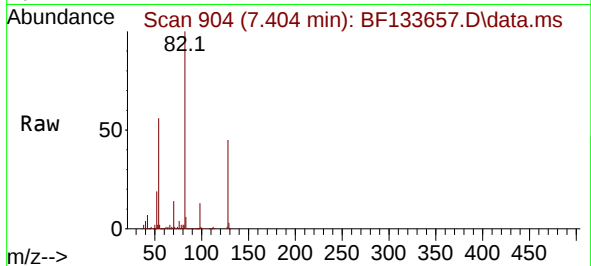




#19
n-Nitroso-di-n-propylamine
Concen: 11.211 ng
RT: 7.404 min Scan# 90
Delta R.T. 0.147 min
Lab File: BF133657.D
Acq: 09 Jun 2023 00:29

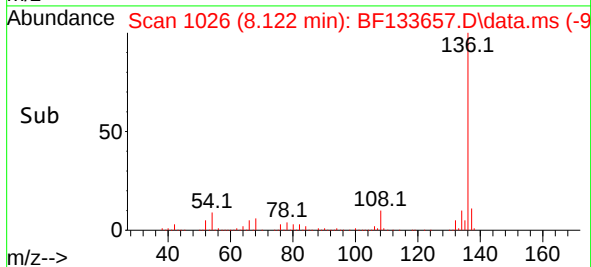
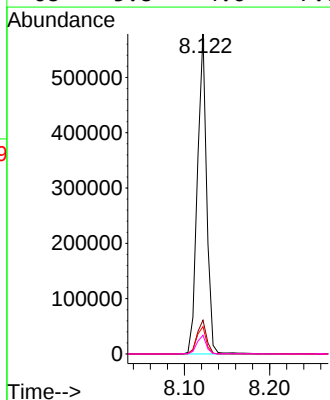
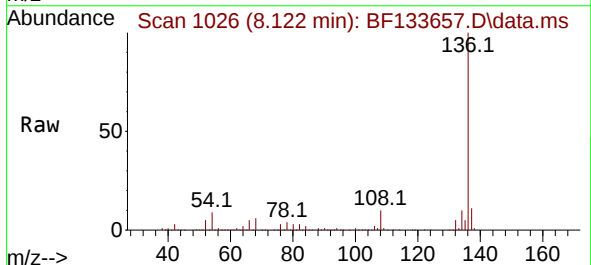
Instrument :
BNA_F
ClientSampleId :
WC35

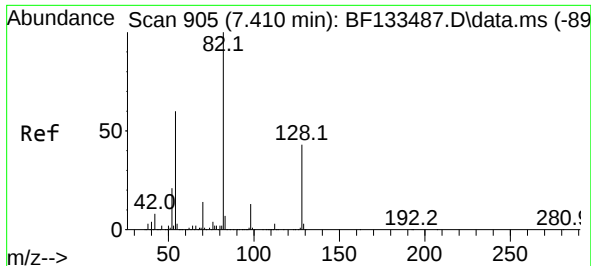
Tgt Ion: 70 Resp: 66229
Ion Ratio Lower Upper
70 100
42 50.7 57.2 85.8#
101 0.0 7.3 10.9#
130 1.7 15.0 22.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BF133657.D
Acq: 09 Jun 2023 00:29

Tgt Ion: 136 Resp: 437135
Ion Ratio Lower Upper
136 100
137 10.6 8.2 12.4
54 8.6 6.6 10.0
68 5.8 4.6 7.0





#23

Nitrobenzene-d5

Concen: 71.651 ng

RT: 7.404 min Scan# 904

Delta R.T. 0.000 min

Lab File: BF133657.D

Acq: 09 Jun 2023 00:29

Instrument :

BNA_F

ClientSampleId :

WC35

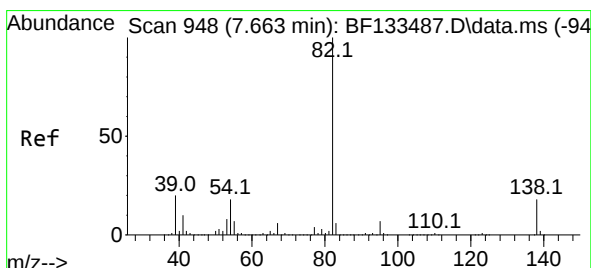
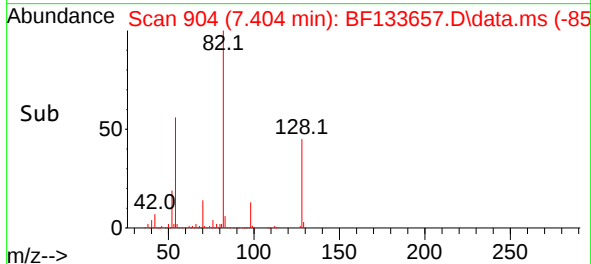
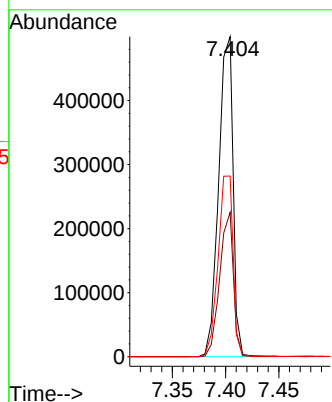
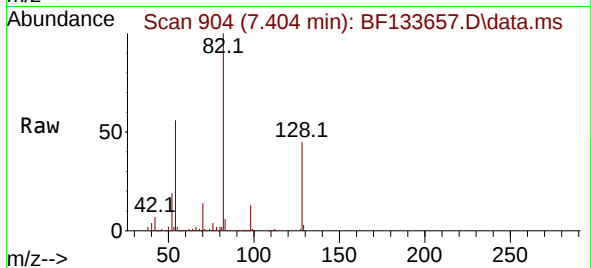
Tgt Ion: 82 Resp: 469098

Ion Ratio Lower Upper

82 100

128 45.1 34.2 51.4

54 56.5 48.2 72.4



#25

Isophorone

Concen: 30.686 ng

RT: 7.404 min Scan# 904

Delta R.T. -0.259 min

Lab File: BF133657.D

Acq: 09 Jun 2023 00:29

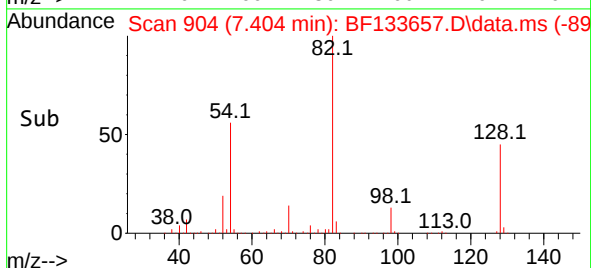
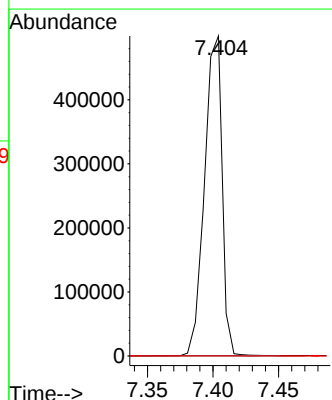
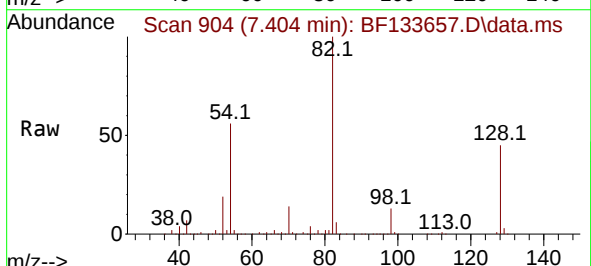
Tgt Ion: 82 Resp: 468213

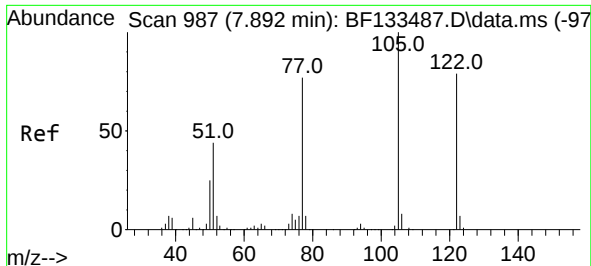
Ion Ratio Lower Upper

82 100

95 0.1 5.7 8.5#

138 0.0 14.2 21.4#

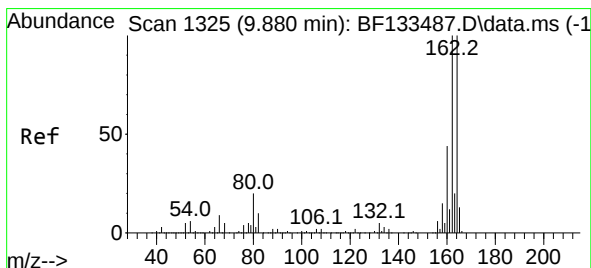
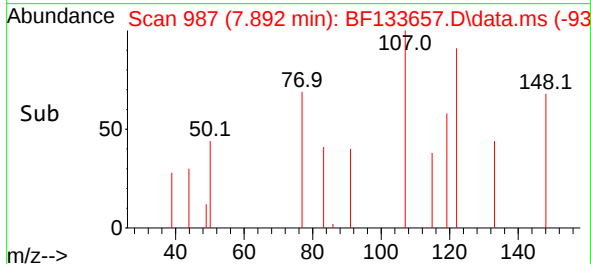
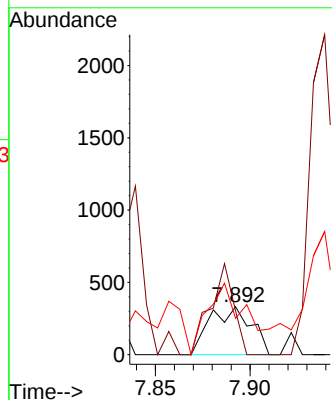
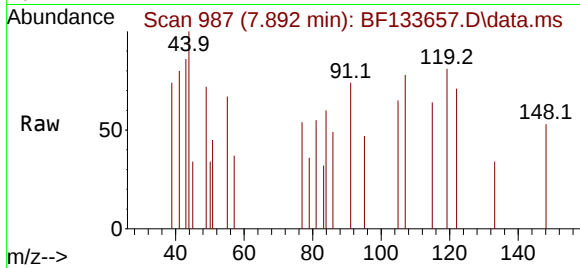




#32
Benzoic acid
Concen: 7.449 ng
RT: 7.892 min Scan# 91
Delta R.T. 0.006 min
Lab File: BF133657.D
Acq: 09 Jun 2023 00:29

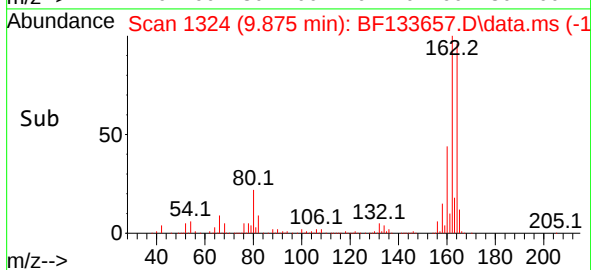
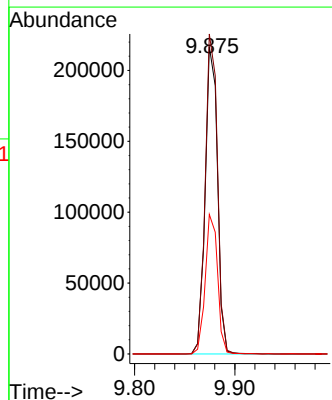
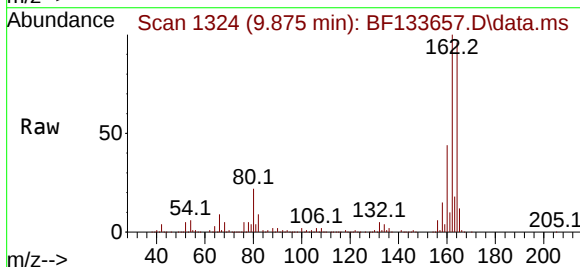
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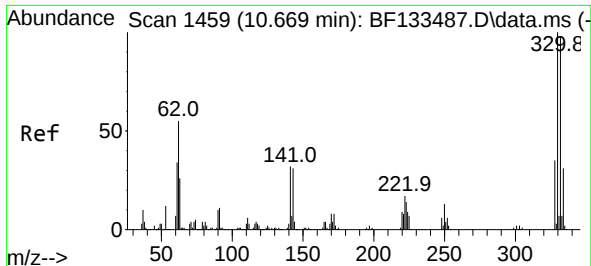
Tgt Ion:122 Resp: 505
Ion Ratio Lower Upper
122 100
105 91.0 103.3 143.3#
77 75.6 75.7 115.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF133657.D
Acq: 09 Jun 2023 00:29

Tgt Ion:164 Resp: 185724
Ion Ratio Lower Upper
164 100
162 104.1 79.7 119.5
160 45.4 35.4 53.0

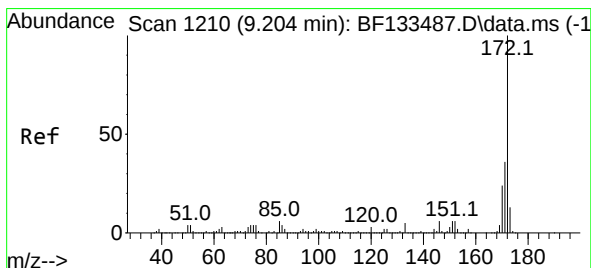
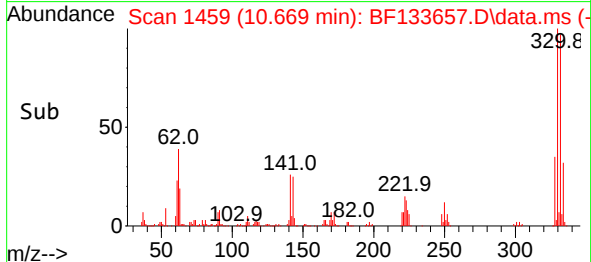
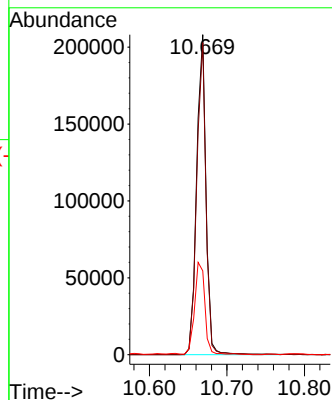
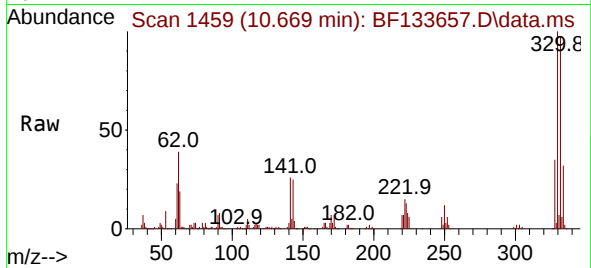




#42
2,4,6-Tribromophenol
Concen: 94.386 ng
RT: 10.669 min Scan# 1459
Delta R.T. 0.000 min
Lab File: BF133657.D
Acq: 09 Jun 2023 00:29

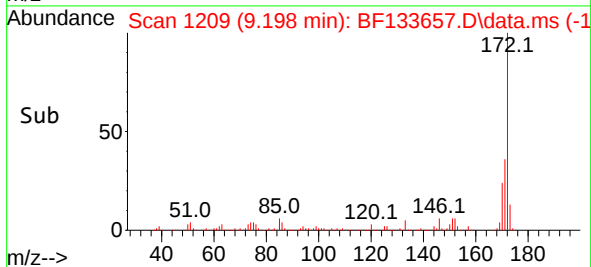
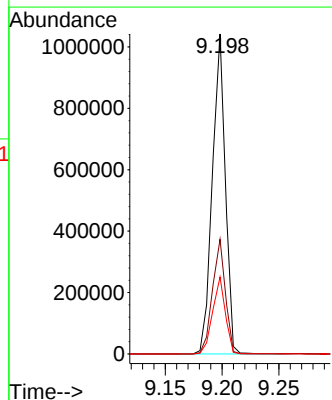
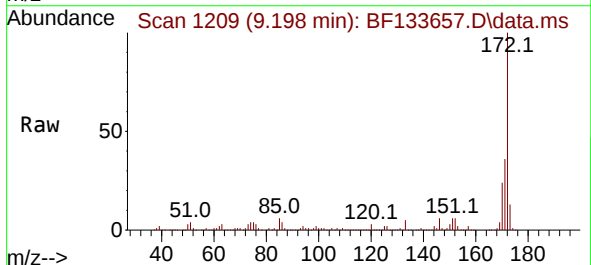
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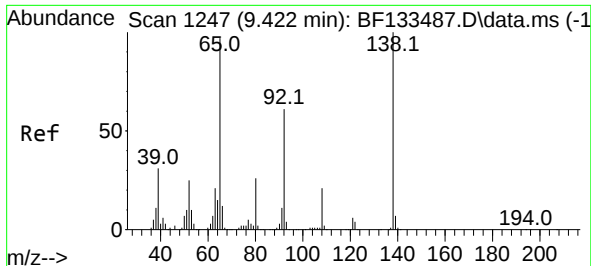
Tgt Ion:330 Resp: 174739
Ion Ratio Lower Upper
330 100
332 95.7 77.8 116.6
141 32.0 26.6 40.0



#45
2-Fluorobiphenyl
Concen: 68.796 ng
RT: 9.198 min Scan# 1209
Delta R.T. 0.000 min
Lab File: BF133657.D
Acq: 09 Jun 2023 00:29

Tgt Ion:172 Resp: 827835
Ion Ratio Lower Upper
172 100
171 35.9 28.4 42.6
170 24.1 19.3 28.9

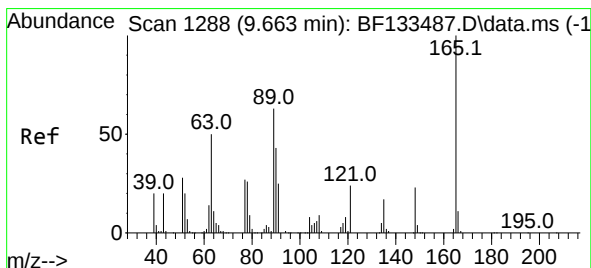
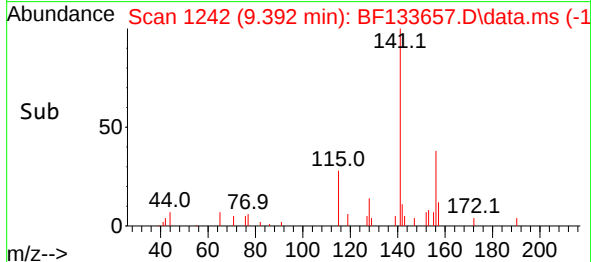
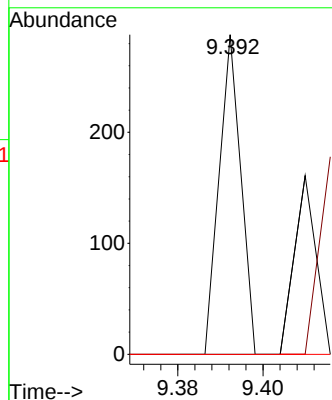
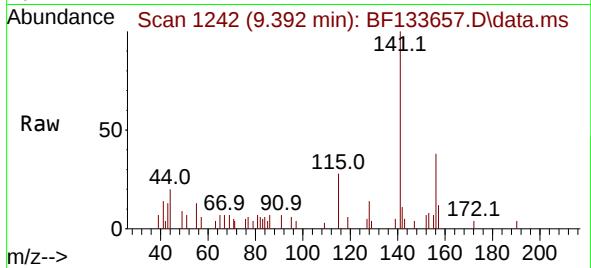




#48
2-Nitroaniline
Concen: 4.017 ng
RT: 9.392 min Scan# 11
Delta R.T. -0.029 min
Lab File: BF133657.D
Acq: 09 Jun 2023 00:29

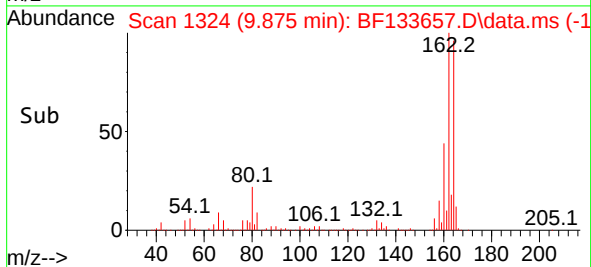
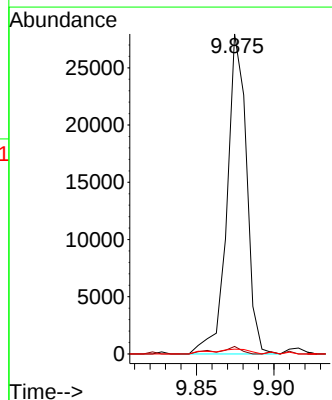
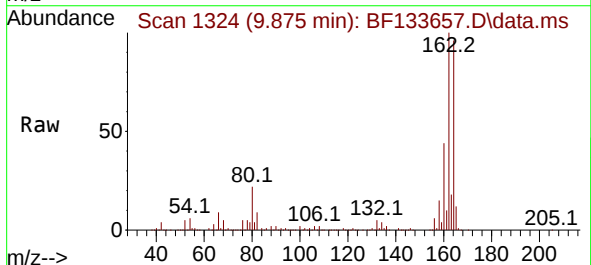
Instrument :
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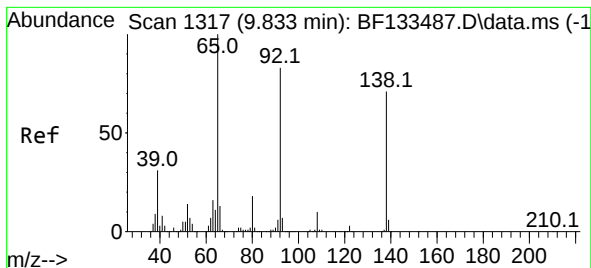
Tgt Ion: 65 Resp: 102
Ion Ratio Lower Upper
65 100
92 0.0 50.8 76.2#
138 0.0 82.6 124.0#



#51
2,6-Dinitrotoluene
Concen: 12.775 ng
RT: 9.875 min Scan# 1324
Delta R.T. 0.212 min
Lab File: BF133657.D
Acq: 09 Jun 2023 00:29

Tgt Ion: 165 Resp: 24441
Ion Ratio Lower Upper
165 100
63 2.3 57.0 85.4#
89 1.5 50.8 76.2#





#53

3-Nitroaniline

Concen: 3.197 ng

RT: 10.080 min Scan# 11

Delta R.T. 0.247 min

Lab File: BF133657.D

Acq: 09 Jun 2023 00:29

Instrument :

BNA_F

ClientSampleId :

WC35

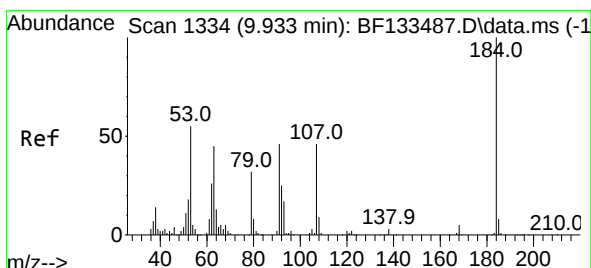
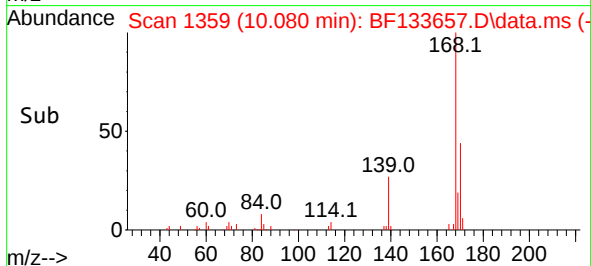
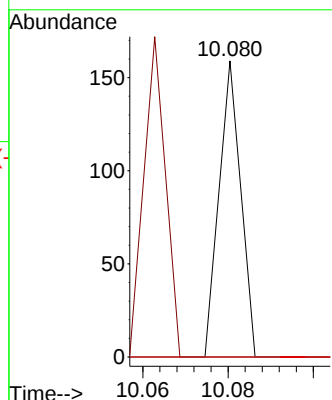
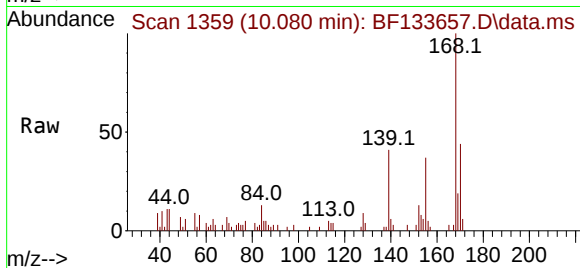
Tgt Ion:138 Resp: 56

Ion Ratio Lower Upper

138 100

108 0.0 11.9 17.9#

92 0.0 93.1 139.7#



#54

2,4-Dinitrophenol

Concen: 6.584 ng

RT: 10.157 min Scan# 1372

Delta R.T. 0.218 min

Lab File: BF133657.D

Acq: 09 Jun 2023 00:29

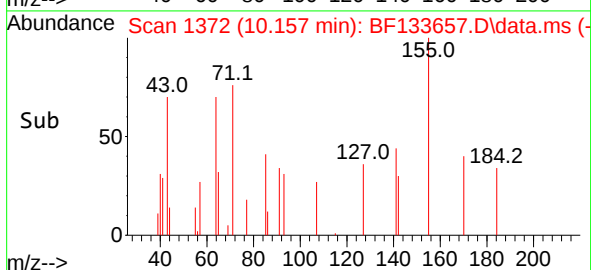
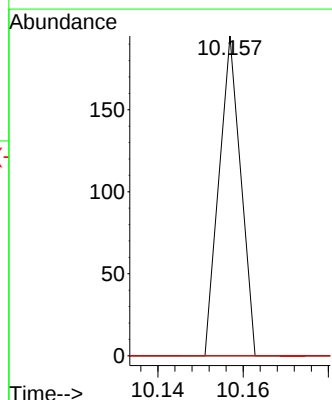
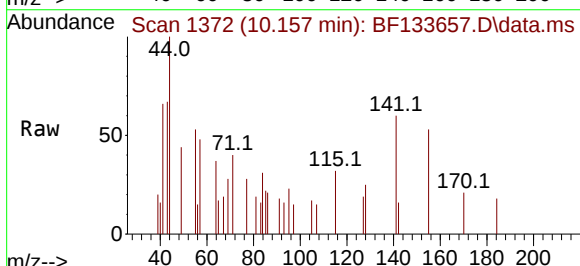
Tgt Ion:184 Resp: 69

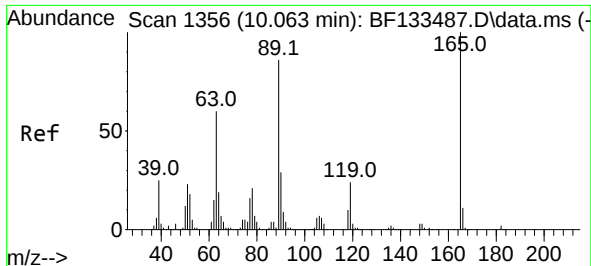
Ion Ratio Lower Upper

184 100

63 0.0 55.7 83.5#

154 0.0 49.3 73.9#

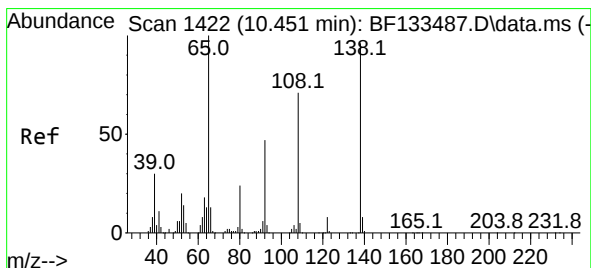
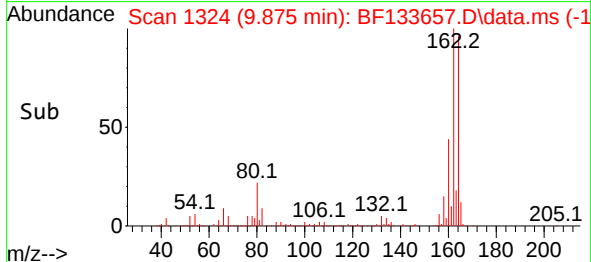
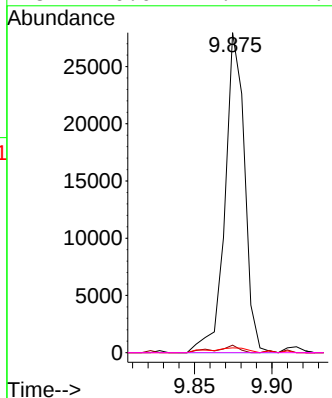
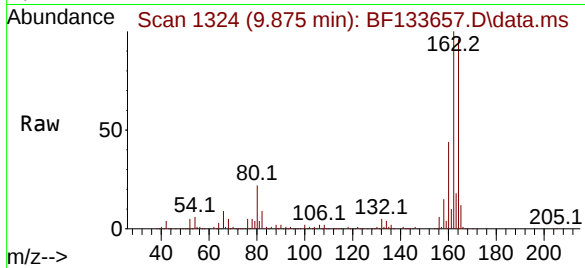




#57
2,4-Dinitrotoluene
Concen: 11.896 ng
RT: 9.875 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF133657.D
Acq: 09 Jun 2023 00:29

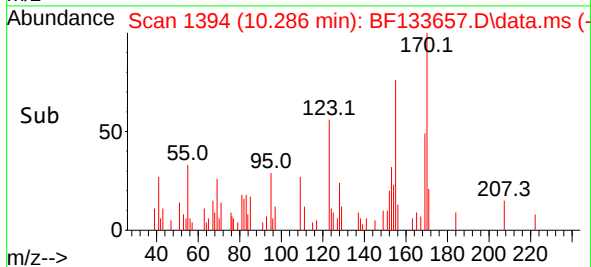
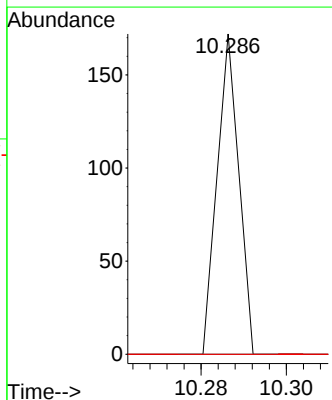
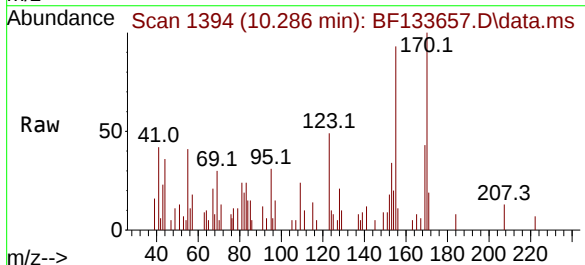
Instrument :
BNA_F
ClientSampleId :
WC35

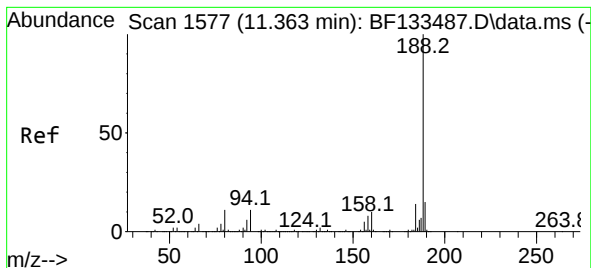
Tgt Ion:165 Resp: 24441
Ion Ratio Lower Upper
165 100
63 2.3 48.1 72.1#
89 1.5 68.4 102.6#
182 0.0 1.9 2.9#



#62
4-Nitroaniline
Concen: 3.003 ng
RT: 10.286 min Scan# 1394
Delta R.T. -0.165 min
Lab File: BF133657.D
Acq: 09 Jun 2023 00:29

Tgt Ion:138 Resp: 61
Ion Ratio Lower Upper
138 100
92 0.0 28.4 68.4#
108 0.0 54.2 94.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.369 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF133657.D

Acq: 09 Jun 2023 00:29

Instrument :

BNA_F

ClientSampleId :

WC35

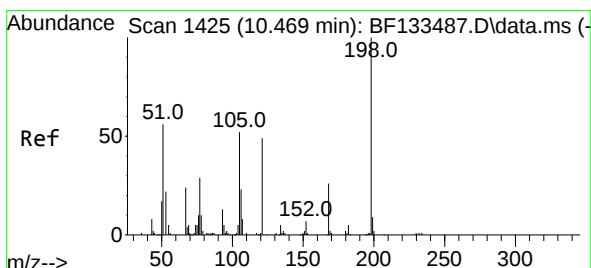
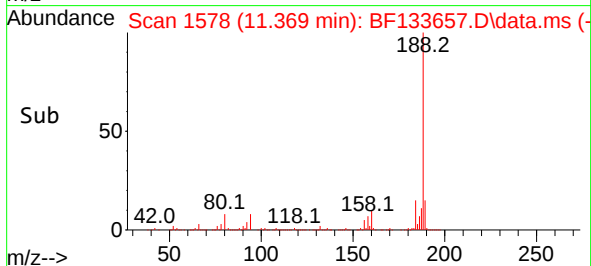
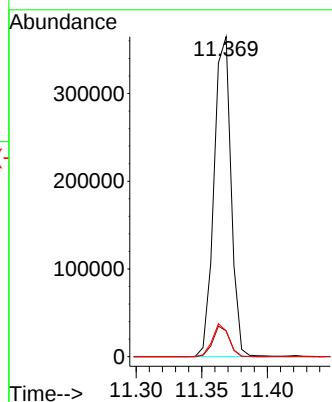
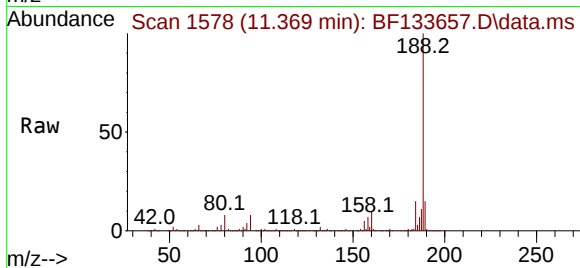
Tgt Ion:188 Resp: 329673

Ion Ratio Lower Upper

188 100

94 8.1 8.6 12.8#

80 8.1 9.2 13.8#



#65

4,6-Dinitro-2-methylphenol

Concen: 9.017 ng

RT: 10.669 min Scan# 1459

Delta R.T. 0.188 min

Lab File: BF133657.D

Acq: 09 Jun 2023 00:29

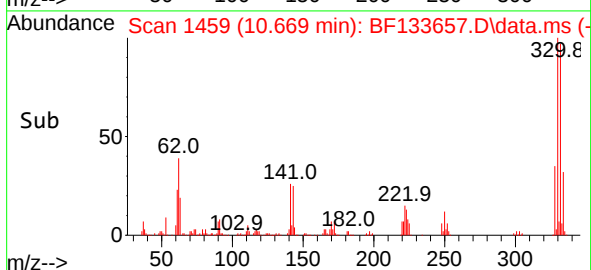
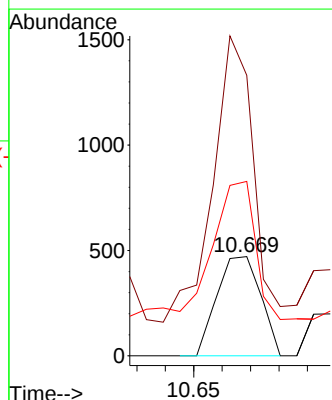
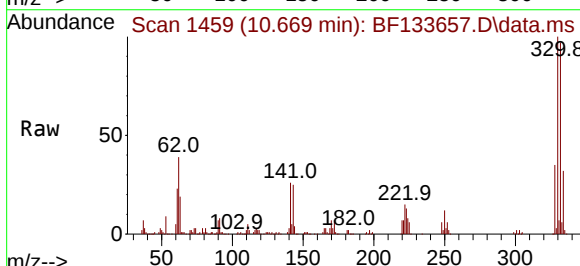
Tgt Ion:198 Resp: 503

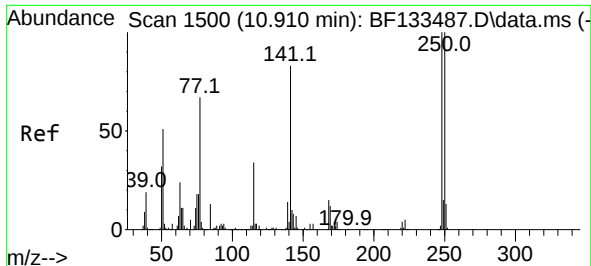
Ion Ratio Lower Upper

198 100

51 282.6 53.6 93.6#

105 175.8 35.9 75.9#

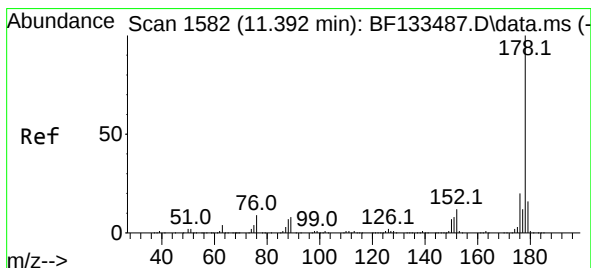
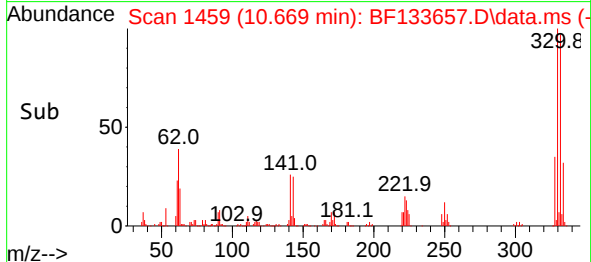
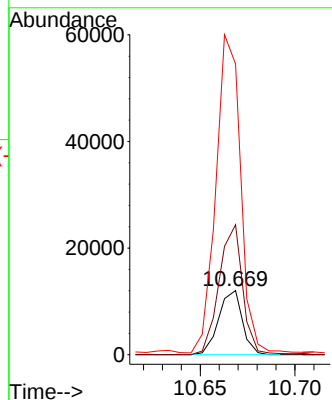
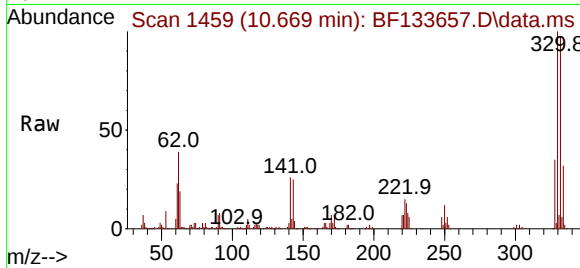




#67
4-Bromophenyl-phenylether
Concen: 2.984 ng
RT: 10.669 min Scan# 1459
Delta R.T. -0.241 min
Lab File: BF133657.D
Acq: 09 Jun 2023 00:29

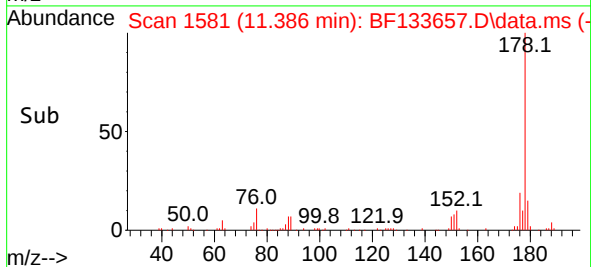
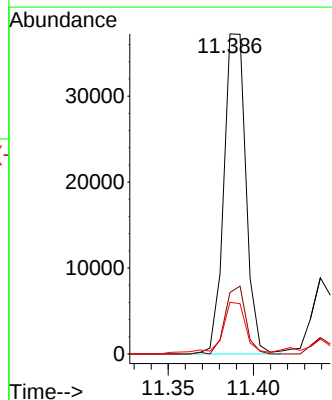
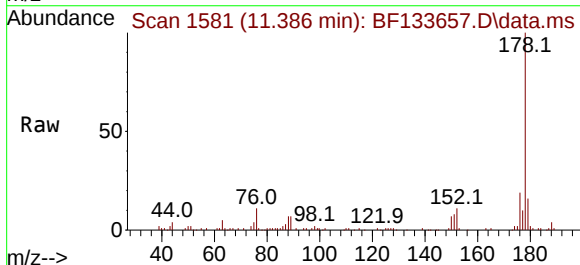
Instrument :
BNA_F
ClientSampleId :
WC35

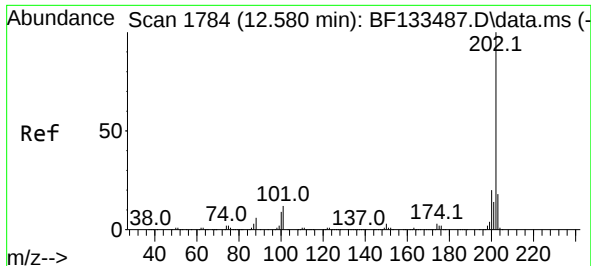
Tgt Ion:248 Resp: 10449
Ion Ratio Lower Upper
248 100
250 202.7 79.7 119.5#
141 453.5 66.6 100.0#



#71
Phenanthrene
Concen: 2.006 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF133657.D
Acq: 09 Jun 2023 00:29

Tgt Ion:178 Resp: 33499
Ion Ratio Lower Upper
178 100
176 19.2 15.6 23.4
179 16.1 12.4 18.6

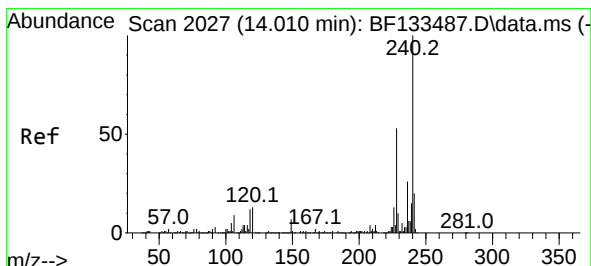
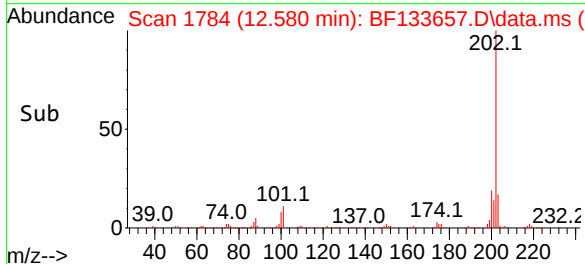
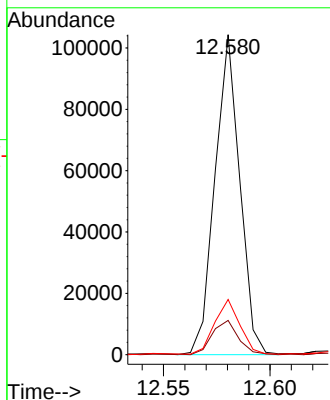
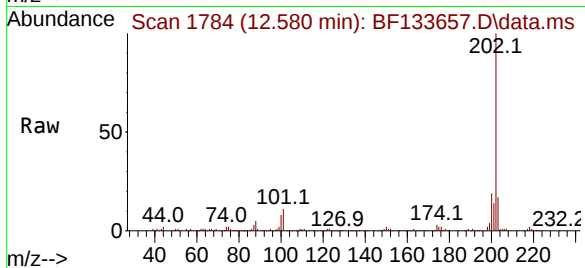




#75
Fluoranthene
Concen: 4.586 ng
RT: 12.580 min Scan# 1784
Delta R.T. -0.006 min
Lab File: BF133657.D
Acq: 09 Jun 2023 00:29

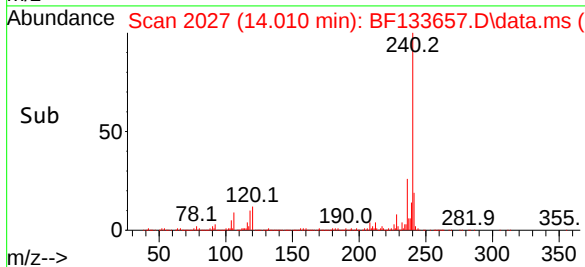
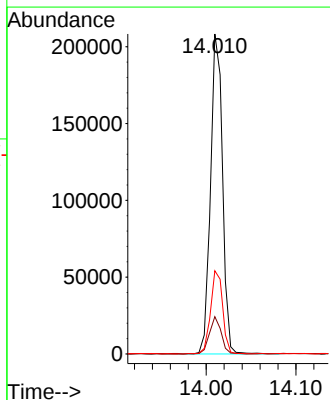
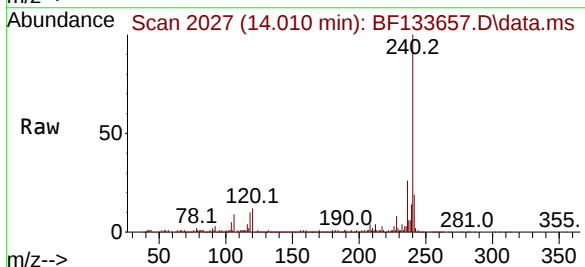
Instrument :
BNA_F
ClientSampleId :
WC35

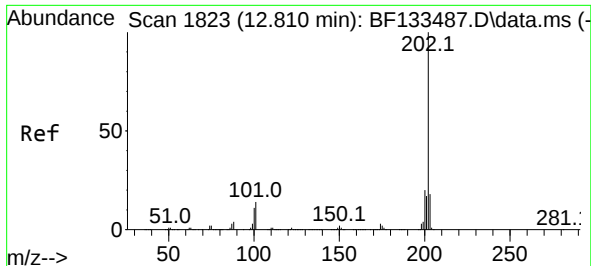
Tgt Ion:202 Resp: 84587
Ion Ratio Lower Upper
202 100
101 10.7 0.0 32.2
203 17.3 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF133657.D
Acq: 09 Jun 2023 00:29

Tgt Ion:240 Resp: 193111
Ion Ratio Lower Upper
240 100
120 11.7 10.3 15.5
236 26.0 20.5 30.7

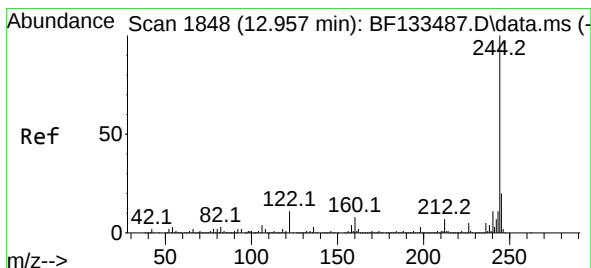
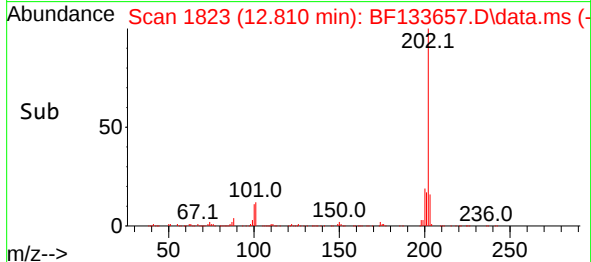
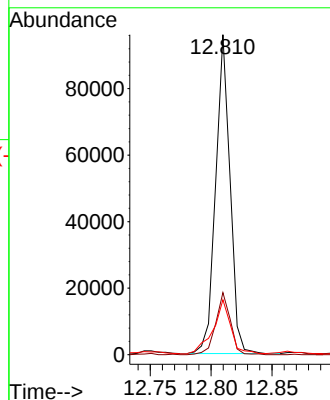
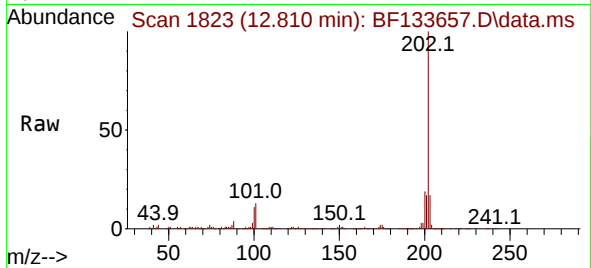




#78
 Pyrene
 Concen: 4.801 ng
 RT: 12.810 min Scan# 1823
 Delta R.T. -0.006 min
 Lab File: BF133657.D
 Acq: 09 Jun 2023 00:29

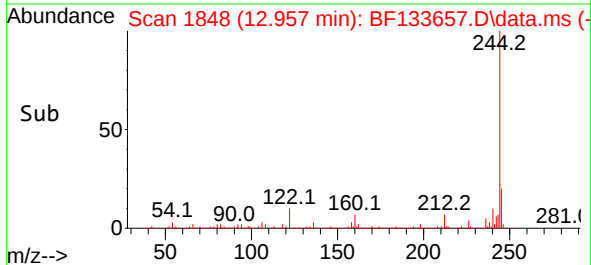
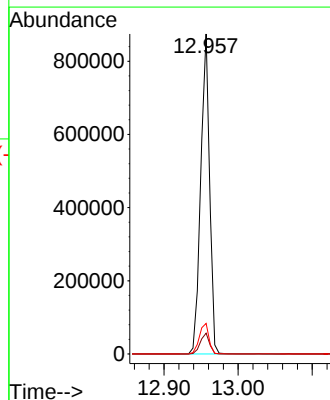
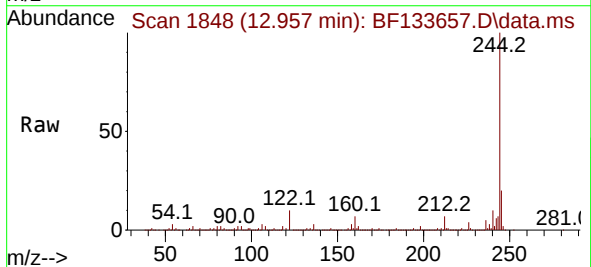
Instrument :
 BNA_F
 ClientSampleId :
 WC35

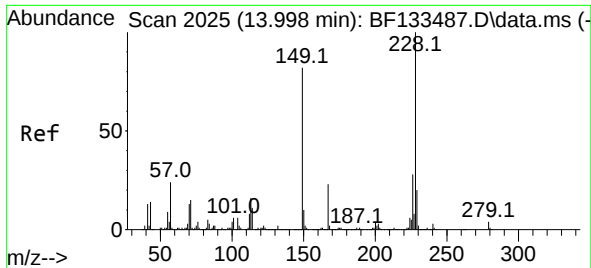
Tgt Ion:202 Resp: 78889
 Ion Ratio Lower Upper
 202 100
 200 19.4 16.3 24.5
 203 17.2 14.3 21.5



#79
 Terphenyl-d14
 Concen: 67.066 ng
 RT: 12.957 min Scan# 1848
 Delta R.T. 0.000 min
 Lab File: BF133657.D
 Acq: 09 Jun 2023 00:29

Tgt Ion:244 Resp: 728421
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.8 8.6
 122 9.5 8.5 12.7

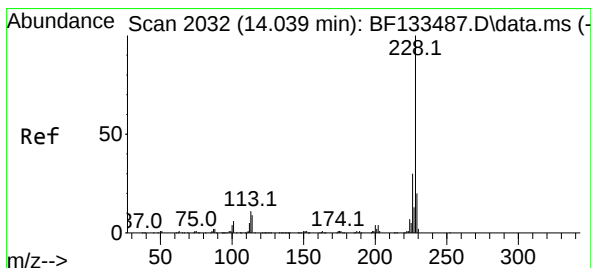
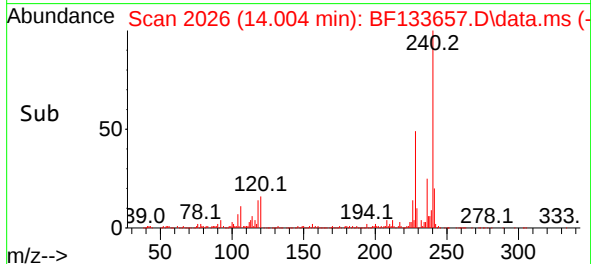
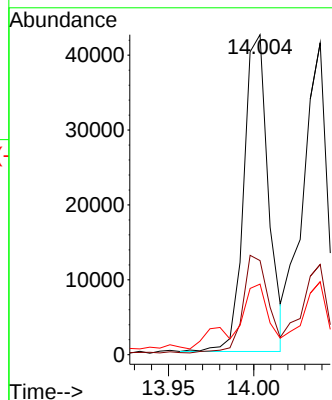
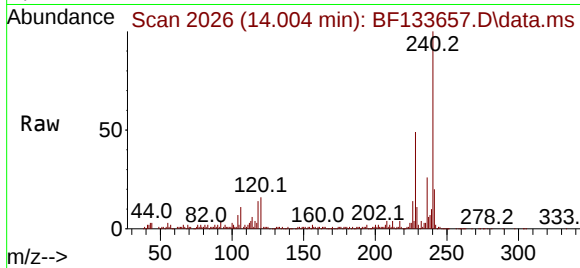




#81
Benzo(a)anthracene
Concen: 3.301 ng
RT: 14.004 min Scan# 2026
Delta R.T. 0.000 min
Lab File: BF133657.D
Acq: 09 Jun 2023 00:29

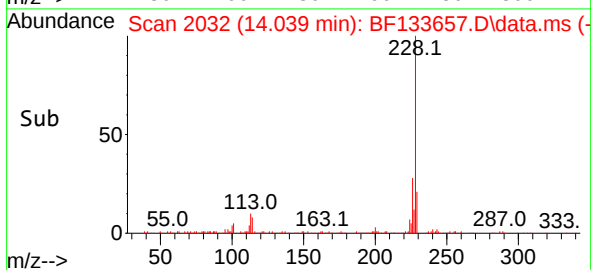
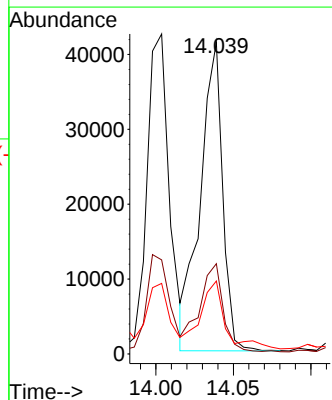
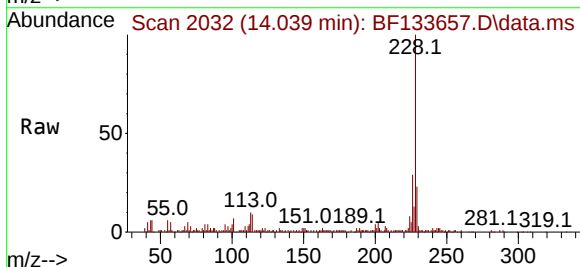
Instrument :
BNA_F
ClientSampleId :
WC35

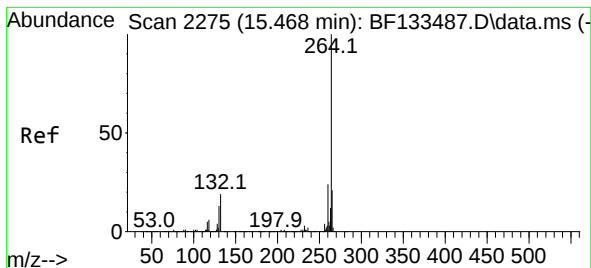
Tgt Ion:228 Resp: 42467
Ion Ratio Lower Upper
228 100
226 29.4 22.3 33.5
229 22.1 16.1 24.1



#83
Chrysene
Concen: 3.183 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF133657.D
Acq: 09 Jun 2023 00:29

Tgt Ion:228 Resp: 41338
Ion Ratio Lower Upper
228 100
226 28.9 24.1 36.1
229 23.4 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.480 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF133657.D

Acq: 09 Jun 2023 00:29

Instrument :

BNA_F

ClientSampleId :

WC35

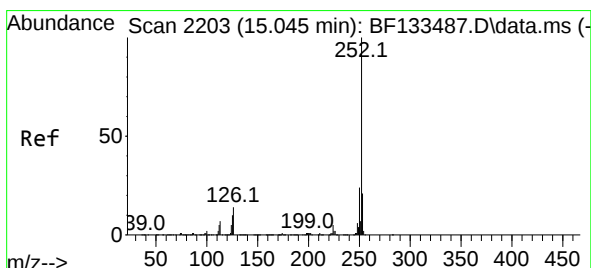
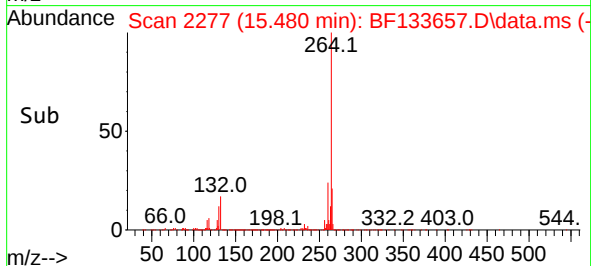
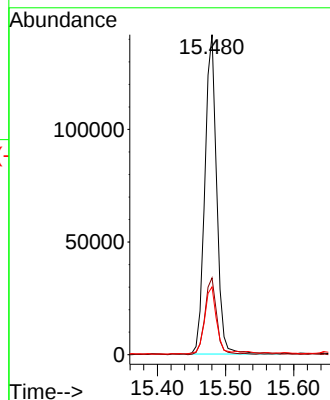
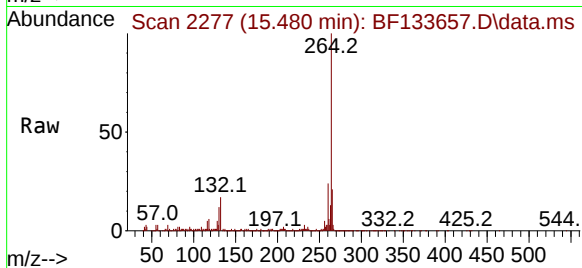
Tgt Ion:264 Resp: 171419

Ion Ratio Lower Upper

264 100

260 24.0 19.0 28.4

265 21.2 16.8 25.2



#88

Benzo(b)fluoranthene

Concen: 4.777 ng

RT: 15.051 min Scan# 2204

Delta R.T. 0.000 min

Lab File: BF133657.D

Acq: 09 Jun 2023 00:29

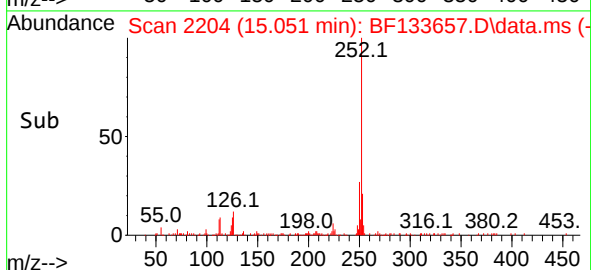
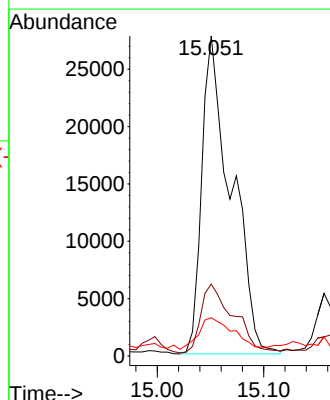
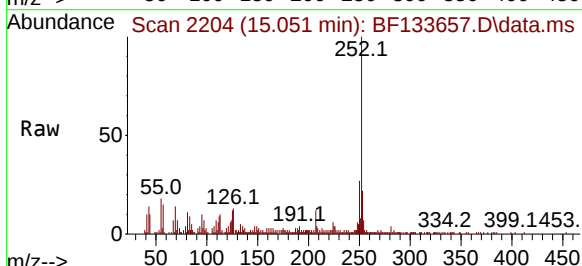
Tgt Ion:252 Resp: 53319

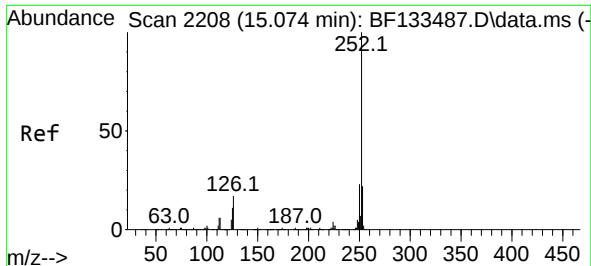
Ion Ratio Lower Upper

252 100

253 22.4 17.2 25.8

125 11.9 8.1 12.1

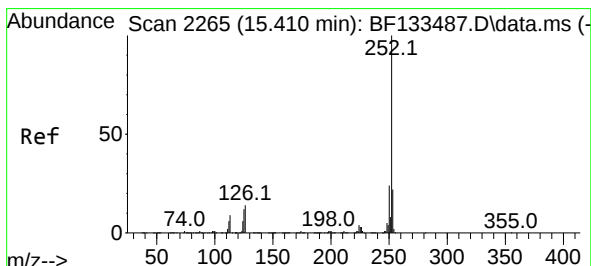
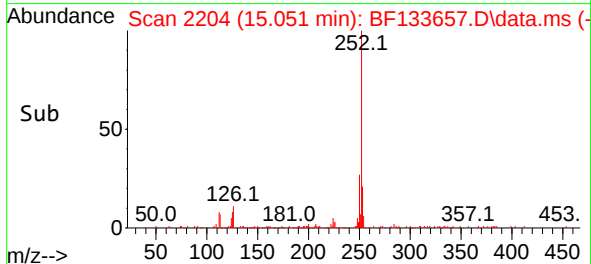
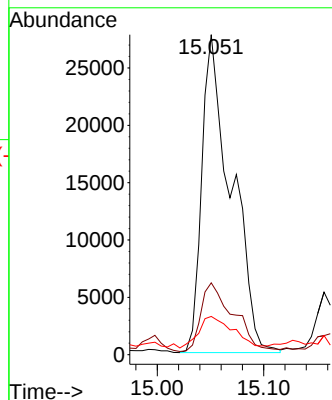
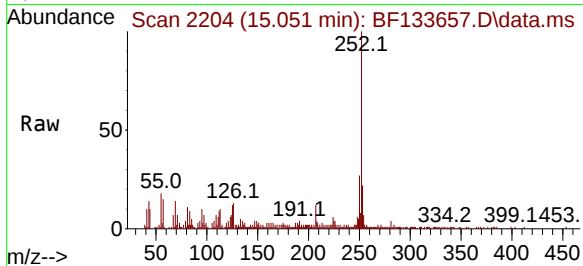




#89
Benzo(k)fluoranthene
Concen: 4.899 ng
RT: 15.051 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF133657.D
Acq: 09 Jun 2023 00:29

Instrument :
BNA_F
ClientSampleId :
WC35

Tgt Ion:252 Resp: 53319
Ion Ratio Lower Upper
252 100
253 22.4 17.4 26.2
125 11.9 8.3 12.5



#90
Benzo(a)pyrene
Concen: 2.363 ng
RT: 15.415 min Scan# 2266
Delta R.T. 0.000 min
Lab File: BF133657.D
Acq: 09 Jun 2023 00:29

Tgt Ion:252 Resp: 24000
Ion Ratio Lower Upper
252 100
253 26.0 17.4 26.0
125 15.3 9.4 14.0#

