

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060823\
 Data File : BF133658.D
 Acq On : 09 Jun 2023 01:00
 Operator : CG\JU
 Sample : 03069-08
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC36

Quant Time: Jun 09 01:52:13 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)

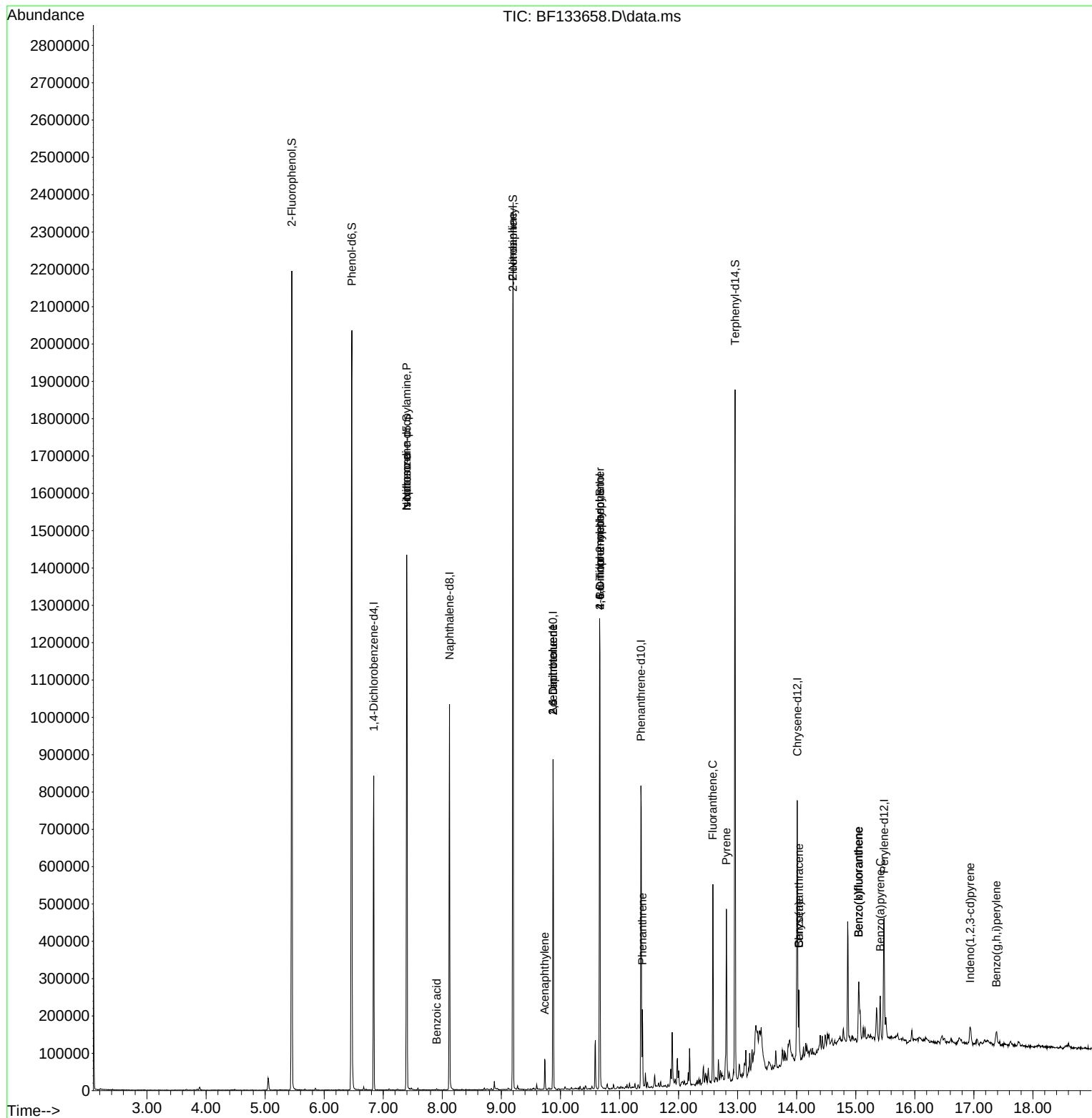
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	114879	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	393947	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	163668	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	297179	20.000	ng	0.00
76) Chrysene-d12	14.010	240	193023	20.000	ng	0.00
86) Perylene-d12	15.480	264	160656	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	577031	83.806	ng	0.00
7) Phenol-d6	6.469	99	684100	80.711	ng	0.00
23) Nitrobenzene-d5	7.398	82	419554	71.109	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	150933	92.514	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	681717	64.288	ng	0.00
79) Terphenyl-d14	12.957	244	618365	56.959	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.387	77	135	Below Cal	#	9
19) n-Nitroso-di-n-propyla...	7.398	70	58322	10.635	ng	# 77
25) Isophorone	7.398	82	418544	30.438	ng	# 65
32) Benzoic acid	7.904	122	73	7.365	ng	# 1
48) 2-Nitroaniline	9.192	65	1308	4.378	ng	# 12
49) Acenaphthylene	9.733	152	35265	2.144	ng	# 97
51) 2,6-Dinitrotoluene	9.875	165	20580	12.370	ng	# 17
57) 2,4-Dinitrotoluene	9.875	165	20580	11.578	ng	# 15
65) 4,6-Dinitro-2-methylph...	10.669	198	302	8.915	ng	# 1
67) 4-Bromophenyl-phenylether	10.669	248	9843	3.119	ng	# 1
71) Phenanthrene	11.386	178	71808	4.771	ng	99
75) Fluoranthene	12.580	202	189066	11.372	ng	98
78) Pyrene	12.810	202	173373	10.555	ng	97
81) Benzo(a)anthracene	14.039	228	78259	6.086	ng	97
83) Chrysene	14.039	228	78259	6.029	ng	99
87) Indeno(1,2,3-cd)pyrene	16.939	276	33192	3.243	ng	96
88) Benzo(b)fluoranthene	15.051	252	117729	11.254	ng	# 95
89) Benzo(k)fluoranthene	15.051	252	117729	11.541	ng	# 96
90) Benzo(a)pyrene	15.415	252	52394	5.504	ng	96
92) Benzo(g,h,i)perylene	17.380	276	31476	3.762	ng	97

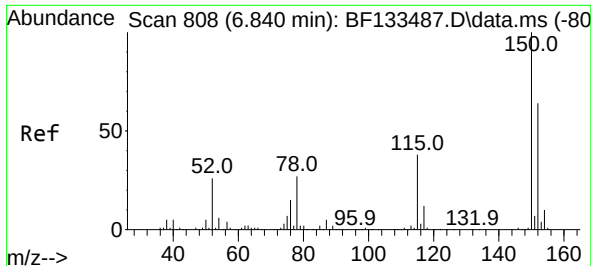
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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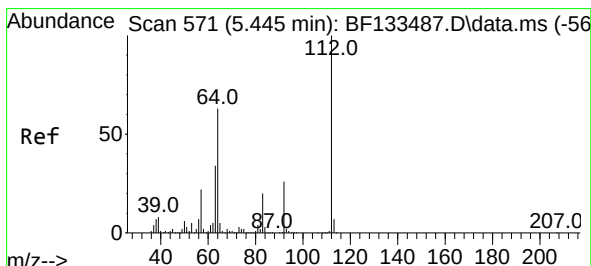
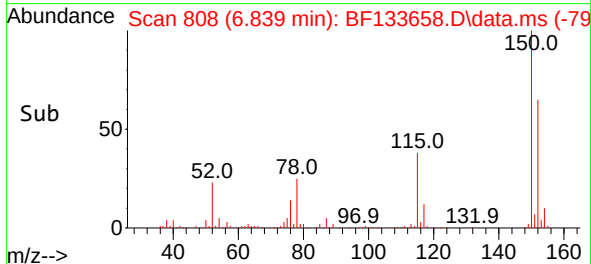
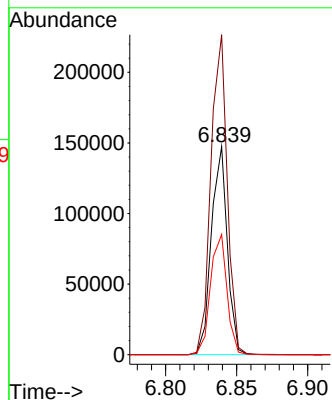
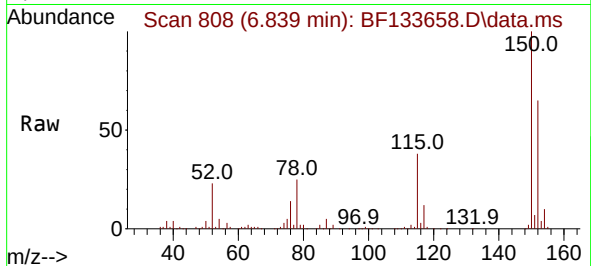




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 808
Delta R.T. 0.000 min
Lab File: BF133658.D
Acq: 09 Jun 2023 01:00

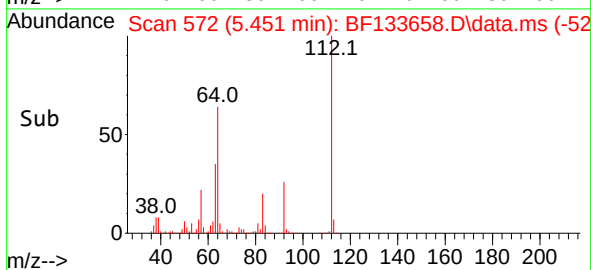
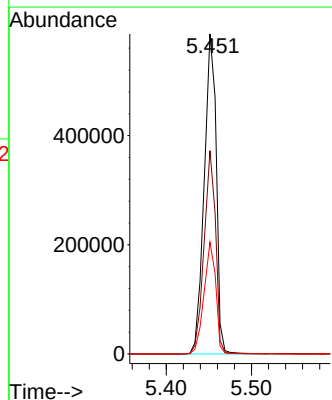
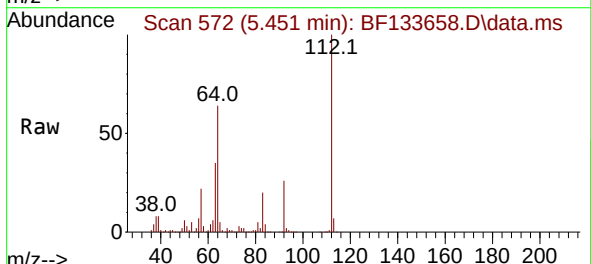
Instrument :
BNA_F
ClientSampleId :
WC36

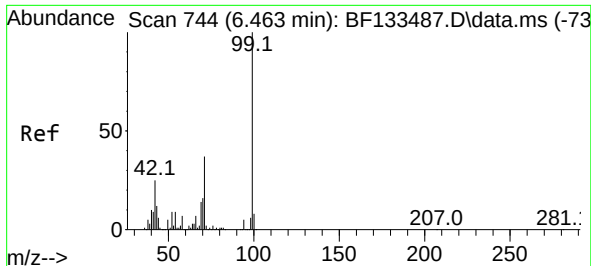
Tgt Ion:152 Resp: 114879
Ion Ratio Lower Upper
152 100
150 153.7 124.9 187.3
115 57.7 48.1 72.1



#5
2-Fluorophenol
Concen: 83.806 ng
RT: 5.451 min Scan# 572
Delta R.T. 0.006 min
Lab File: BF133658.D
Acq: 09 Jun 2023 01:00

Tgt Ion:112 Resp: 577031
Ion Ratio Lower Upper
112 100
64 63.6 50.1 75.1
63 35.0 27.5 41.3

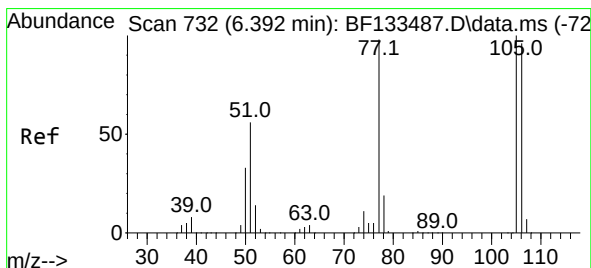
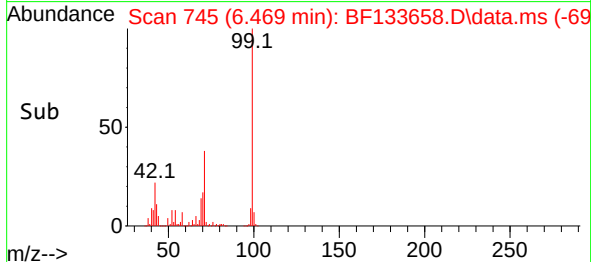
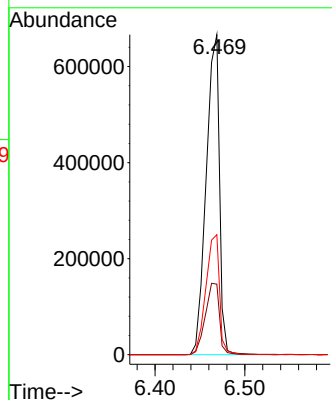
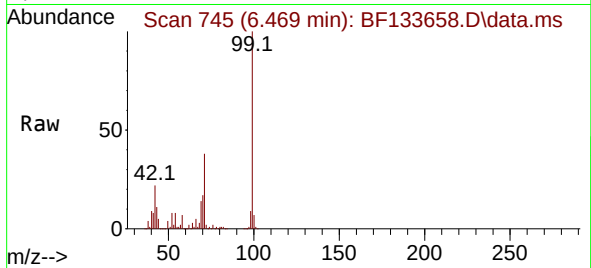




#7
Phenol-d6
Concen: 80.711 ng
RT: 6.469 min Scan# 744
Delta R.T. -0.000 min
Lab File: BF133658.D
Acq: 09 Jun 2023 01:00

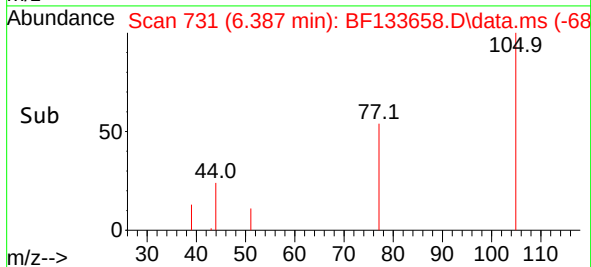
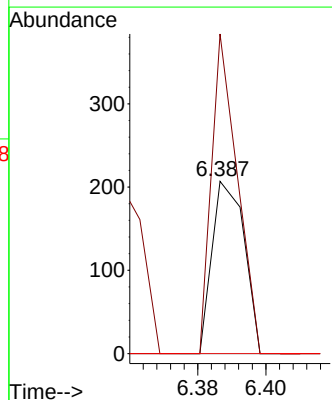
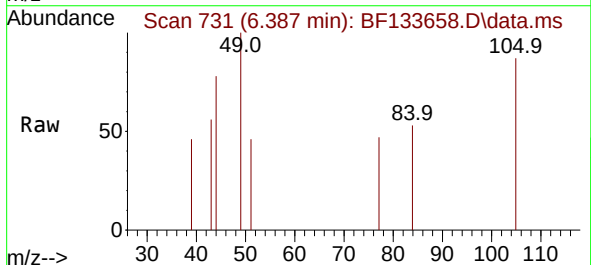
Instrument :
BNA_F
ClientSampleId :
WC36

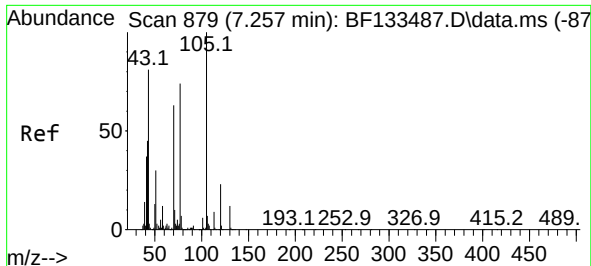
Tgt Ion: 99 Resp: 684100
Ion Ratio Lower Upper
99 100
42 22.1 19.7 29.5
71 37.5 29.8 44.8



#9
Benzaldehyde
Concen: Below Cal
RT: 6.387 min Scan# 731
Delta R.T. -0.000 min
Lab File: BF133658.D
Acq: 09 Jun 2023 01:00

Tgt Ion: 77 Resp: 135
Ion Ratio Lower Upper
77 100
105 185.5 81.9 121.9#
106 0.0 77.8 117.8#

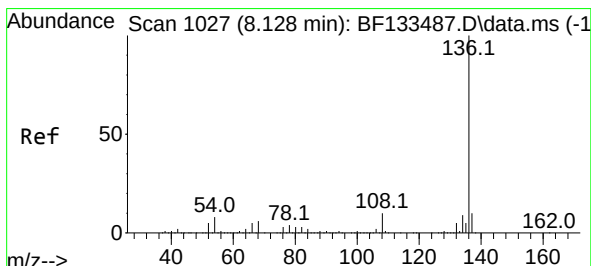
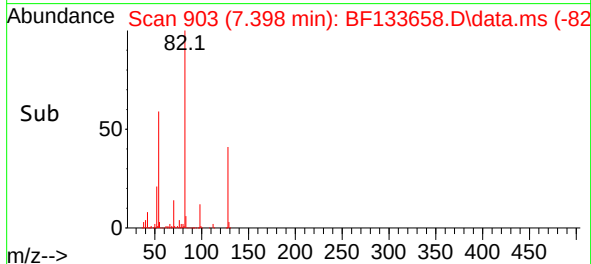
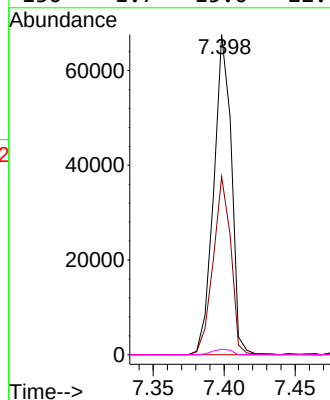
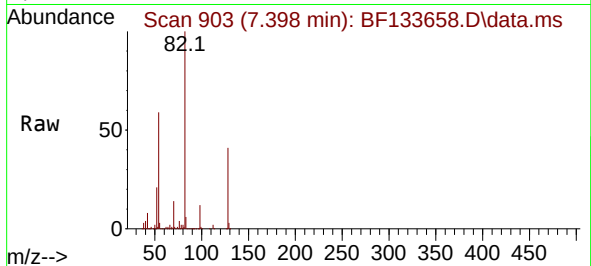




#19
n-Nitroso-di-n-propylamine
Concen: 10.635 ng
RT: 7.398 min Scan# 90
Delta R.T. 0.141 min
Lab File: BF133658.D
Acq: 09 Jun 2023 01:00

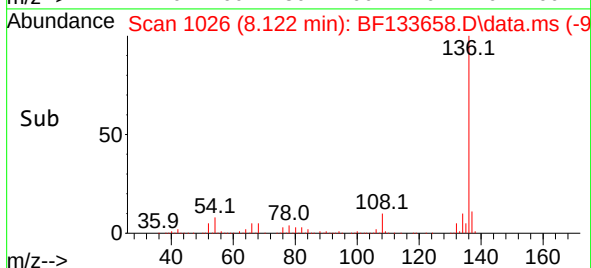
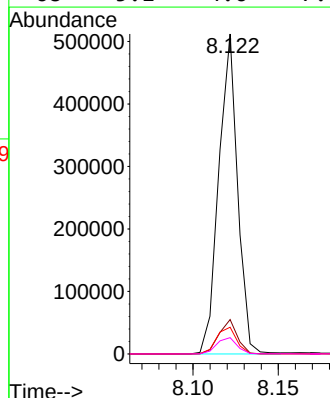
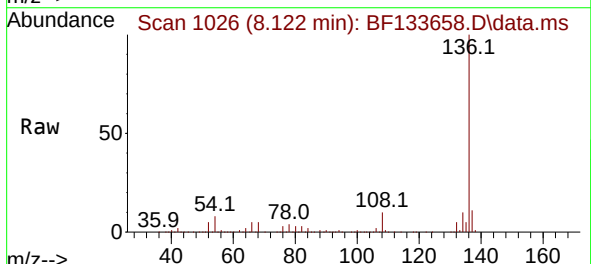
Instrument :
BNA_F
ClientSampleId :
WC36

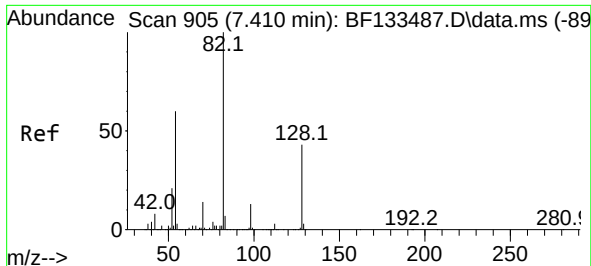
Tgt Ion: 70	Resp: 58322
Ion Ratio	Lower Upper
70 100	
42 55.7	57.2 85.8#
101 0.0	7.3 10.9#
130 1.7	15.0 22.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.000 min
Lab File: BF133658.D
Acq: 09 Jun 2023 01:00

Tgt Ion: 136	Resp: 393947
Ion Ratio	Lower Upper
136 100	
137 10.8	8.2 12.4
54 8.4	6.6 10.0
68 5.1	4.6 7.0





#23

Nitrobenzene-d5

Concen: 71.109 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.006 min

Lab File: BF133658.D

Acq: 09 Jun 2023 01:00

Instrument :

BNA_F

ClientSampleId :

WC36

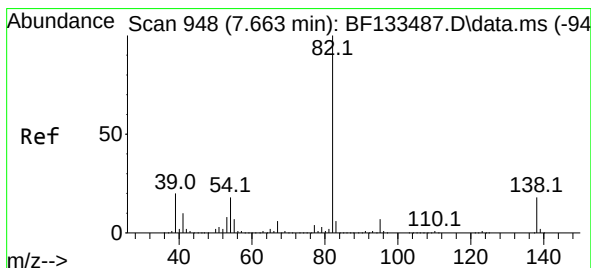
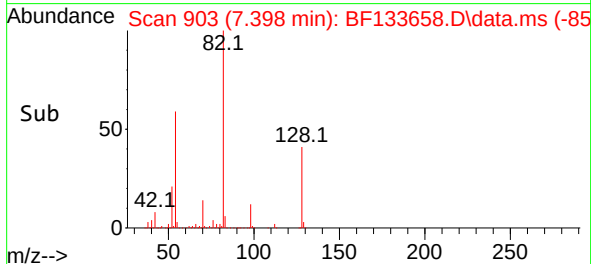
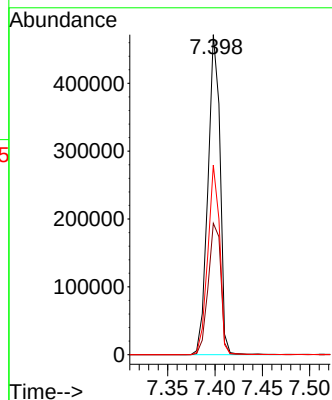
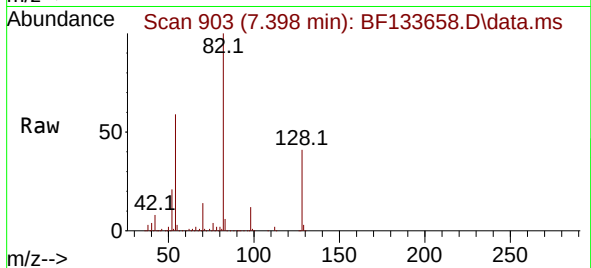
Tgt Ion: 82 Resp: 419554

Ion Ratio Lower Upper

82 100

128 41.1 34.2 51.4

54 59.2 48.2 72.4



#25

Isophorone

Concen: 30.438 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.265 min

Lab File: BF133658.D

Acq: 09 Jun 2023 01:00

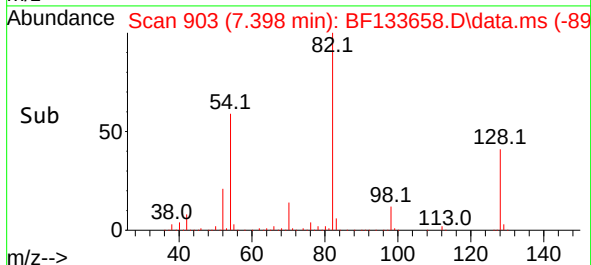
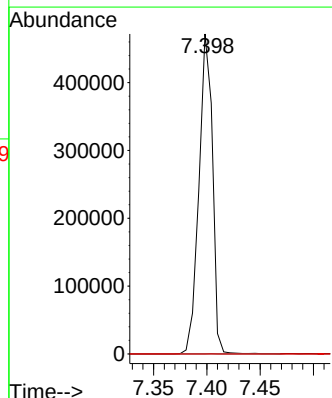
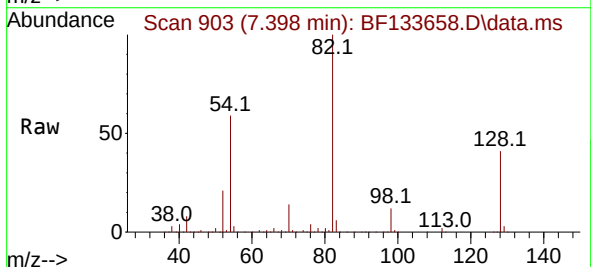
Tgt Ion: 82 Resp: 418544

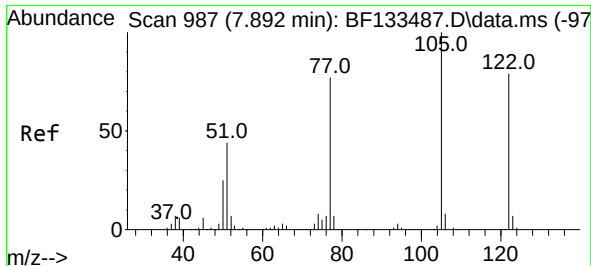
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 14.2 21.4#

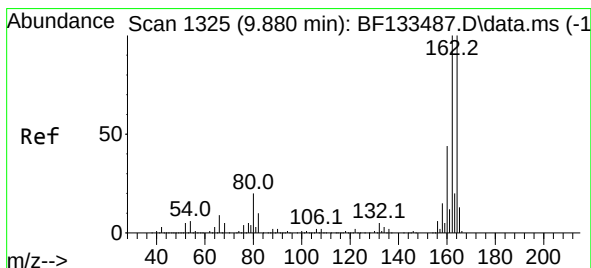
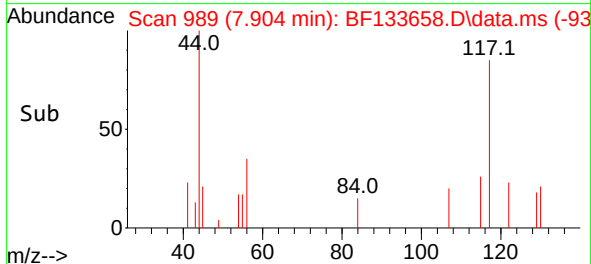
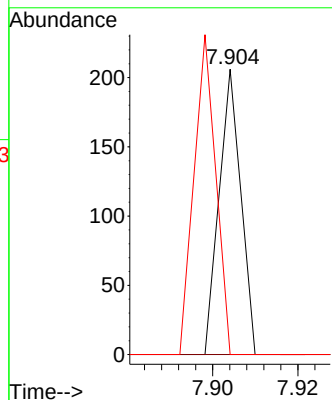
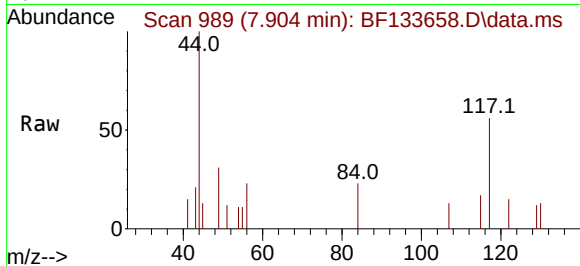




#32
Benzoic acid
Concen: 7.365 ng
RT: 7.904 min Scan# 91
Delta R.T. 0.018 min
Lab File: BF133658.D
Acq: 09 Jun 2023 01:00

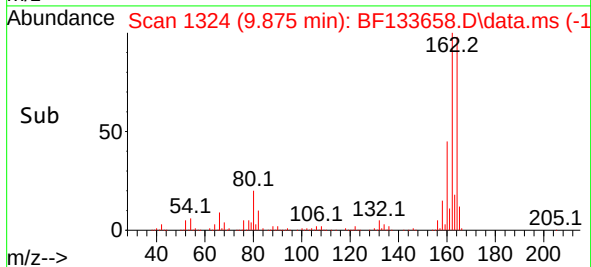
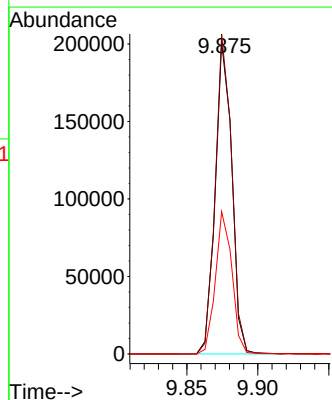
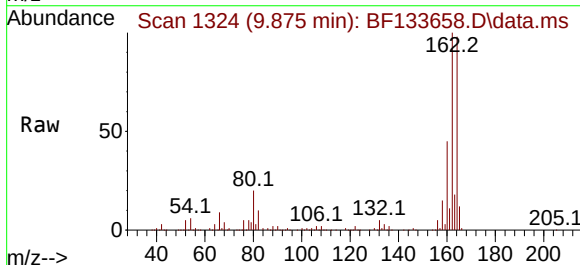
Instrument :
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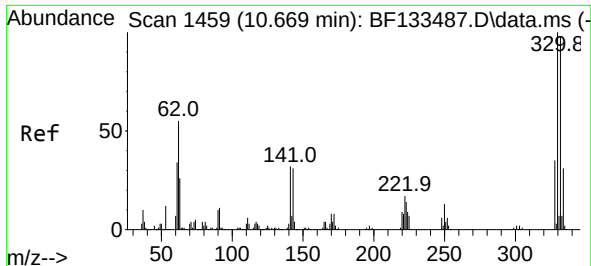
Tgt Ion:122 Resp: 73
Ion Ratio Lower Upper
122 100
105 0.0 103.3 143.3#
77 0.0 75.7 115.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF133658.D
Acq: 09 Jun 2023 01:00

Tgt Ion:164 Resp: 163668
Ion Ratio Lower Upper
164 100
162 102.5 79.7 119.5
160 45.6 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 92.514 ng

RT: 10.669 min Scan# 1459

Delta R.T. 0.000 min

Lab File: BF133658.D

Acq: 09 Jun 2023 01:00

Instrument :

BNA_F

ClientSampleId :

WC36

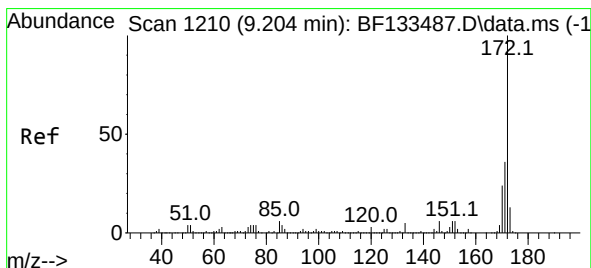
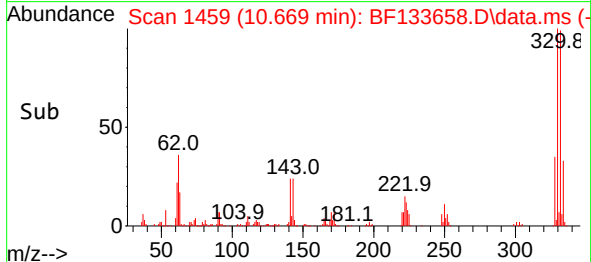
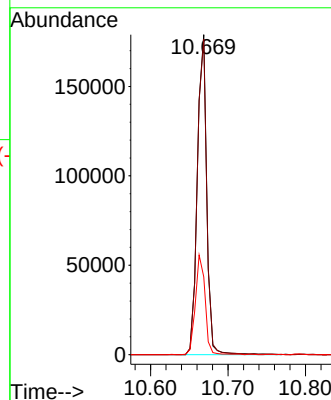
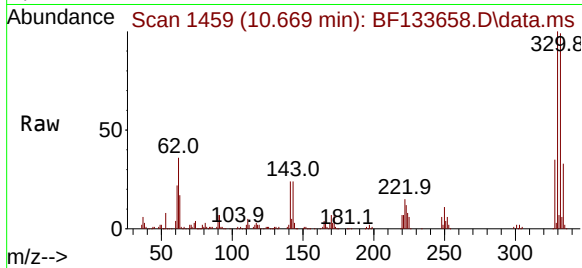
Tgt Ion:330 Resp: 150933

Ion Ratio Lower Upper

330 100

332 99.3 77.8 116.6

141 32.1 26.6 40.0



#45

2-Fluorobiphenyl

Concen: 64.288 ng

RT: 9.198 min Scan# 1209

Delta R.T. -0.000 min

Lab File: BF133658.D

Acq: 09 Jun 2023 01:00

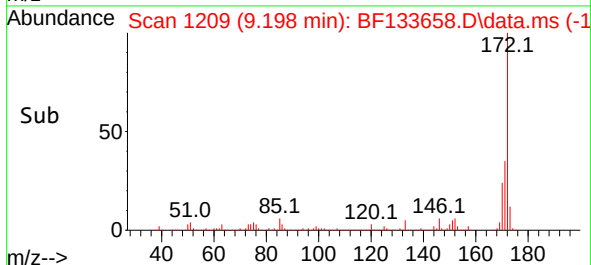
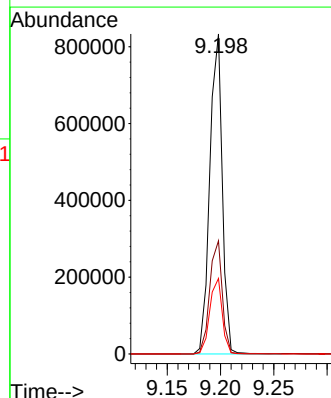
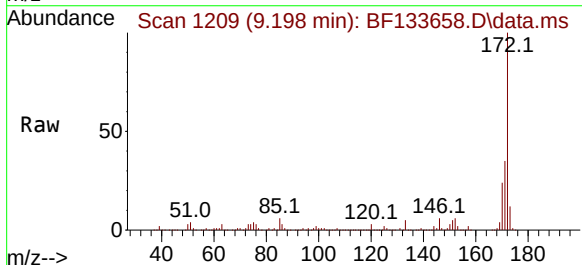
Tgt Ion:172 Resp: 681717

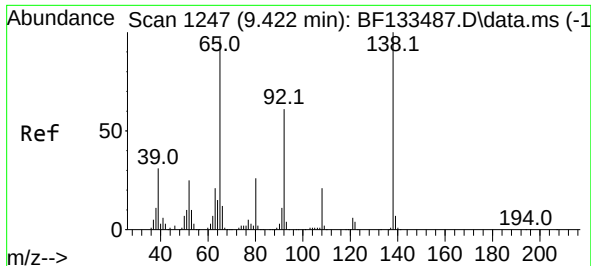
Ion Ratio Lower Upper

172 100

171 35.3 28.4 42.6

170 23.6 19.3 28.9

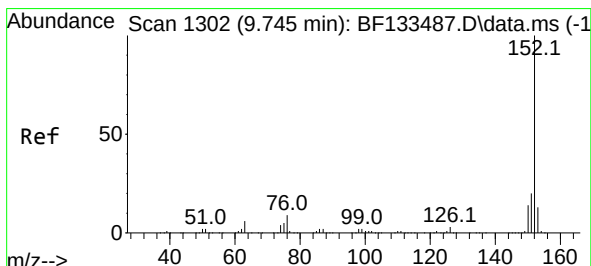
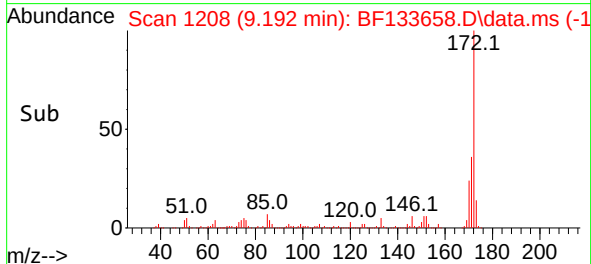
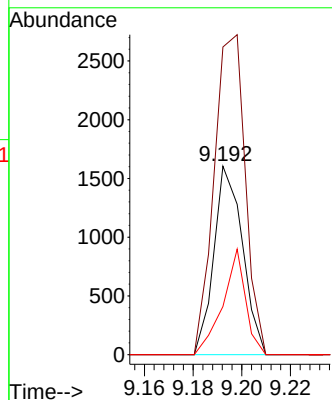
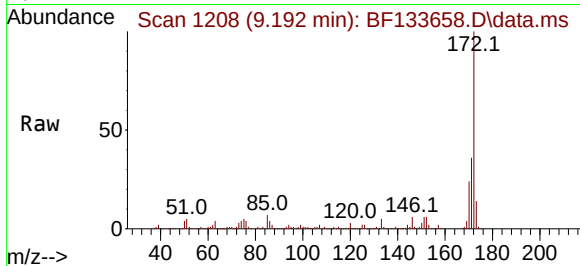




#48
2-Nitroaniline
Concen: 4.378 ng
RT: 9.192 min Scan# 11
Delta R.T. -0.229 min
Lab File: BF133658.D
Acq: 09 Jun 2023 01:00

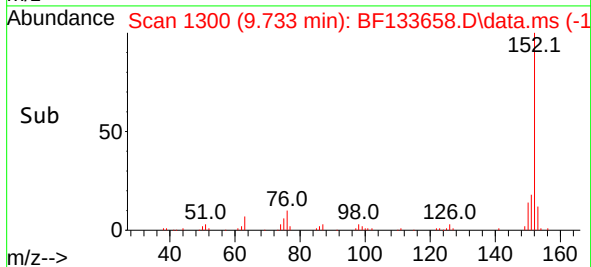
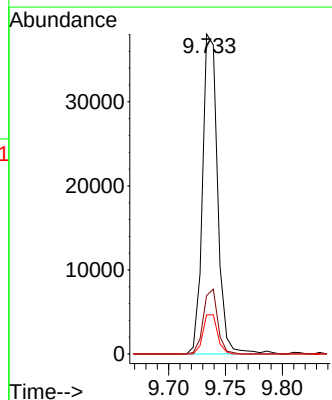
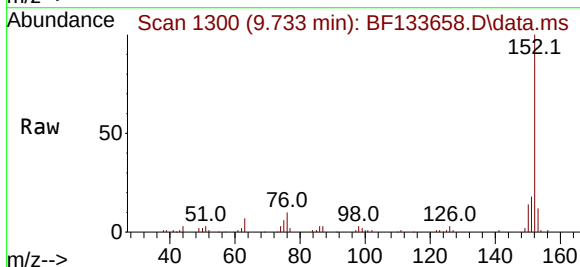
Instrument :
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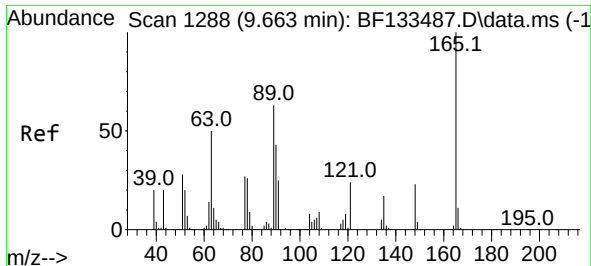
Tgt Ion: 65 Resp: 1308
Ion Ratio Lower Upper
65 100
92 143.6 50.8 76.2#
138 22.5 82.6 124.0#



#49
Acenaphthylene
Concen: 2.144 ng
RT: 9.733 min Scan# 1300
Delta R.T. -0.006 min
Lab File: BF133658.D
Acq: 09 Jun 2023 01:00

Tgt Ion: 152 Resp: 35265
Ion Ratio Lower Upper
152 100
151 18.3 16.0 24.0
153 12.2 10.4 15.6





#51

2,6-Dinitrotoluene

Concen: 12.370 ng

RT: 9.875 min Scan# 1

Delta R.T. 0.212 min

Lab File: BF133658.D

Acq: 09 Jun 2023 01:00

Instrument :

BNA_F

ClientSampleId :

WC36

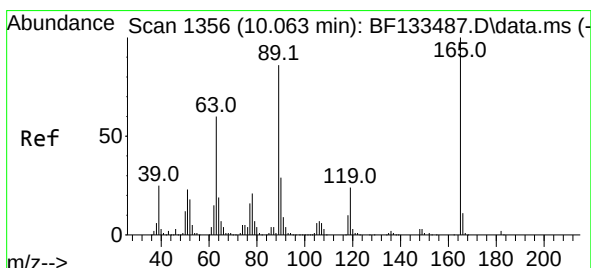
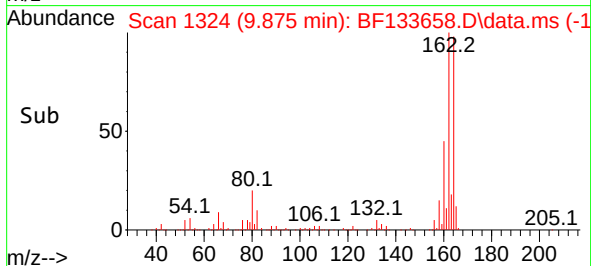
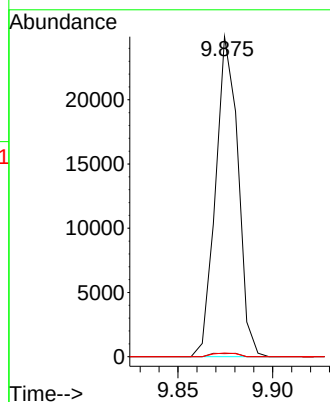
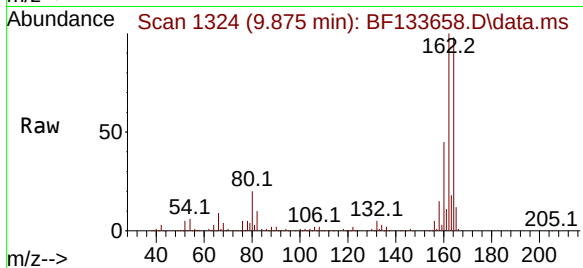
Tgt Ion:165 Resp: 20580

Ion Ratio Lower Upper

165 100

63 1.0 57.0 85.4#

89 1.2 50.8 76.2#



#57

2,4-Dinitrotoluene

Concen: 11.578 ng

RT: 9.875 min Scan# 1324

Delta R.T. -0.194 min

Lab File: BF133658.D

Acq: 09 Jun 2023 01:00

Tgt Ion:165 Resp: 20580

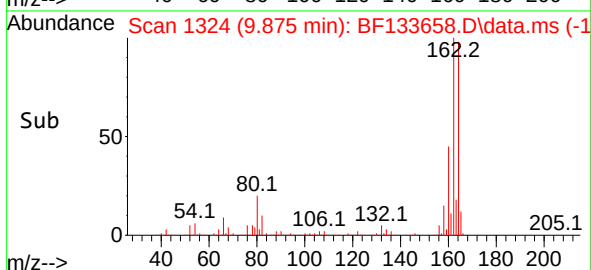
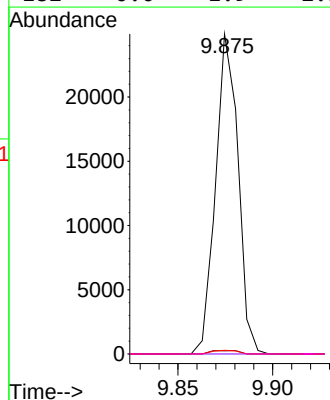
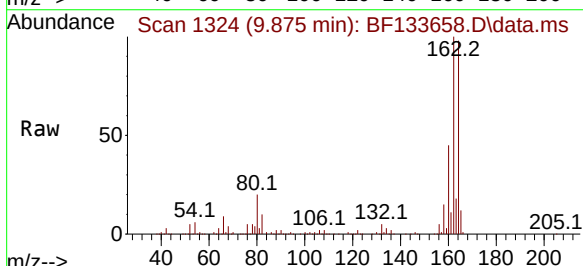
Ion Ratio Lower Upper

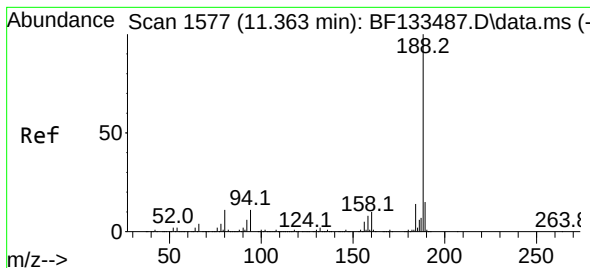
165 100

63 1.0 48.1 72.1#

89 1.2 68.4 102.6#

182 0.0 1.9 2.9#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.363 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133658.D

Acq: 09 Jun 2023 01:00

Instrument :

BNA_F

ClientSampleId :

WC36

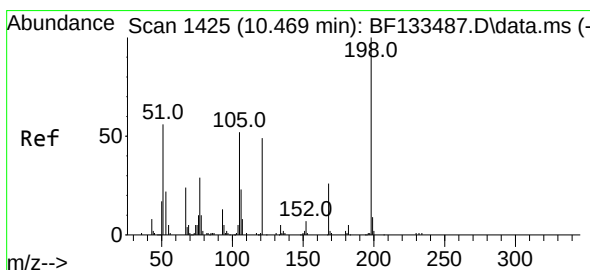
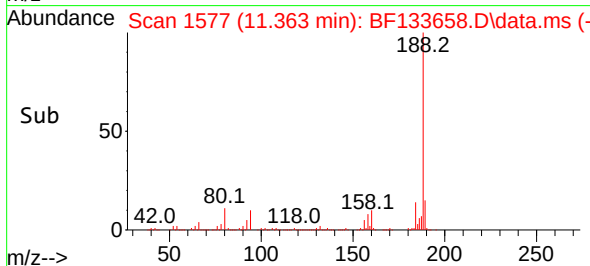
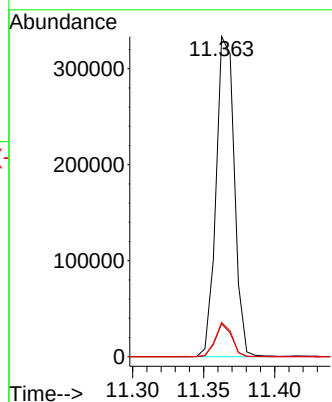
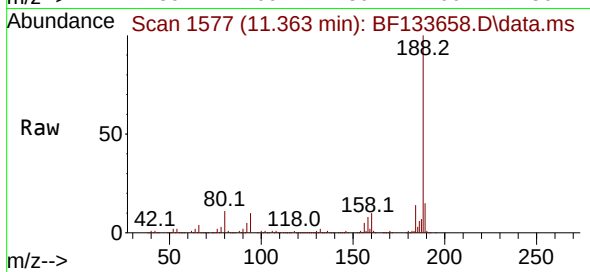
Tgt Ion:188 Resp: 297179

Ion Ratio Lower Upper

188 100

94 10.3 8.6 12.8

80 10.7 9.2 13.8



#65

4,6-Dinitro-2-methylphenol

Concen: 8.915 ng

RT: 10.669 min Scan# 1459

Delta R.T. 0.188 min

Lab File: BF133658.D

Acq: 09 Jun 2023 01:00

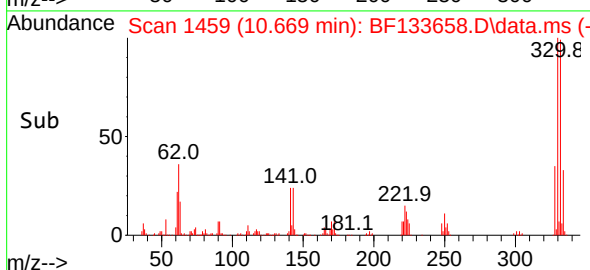
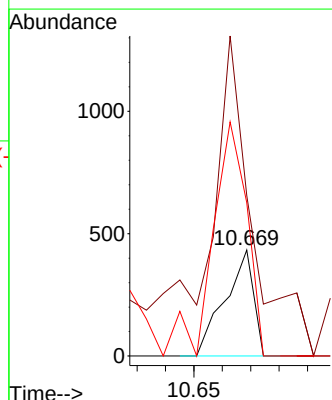
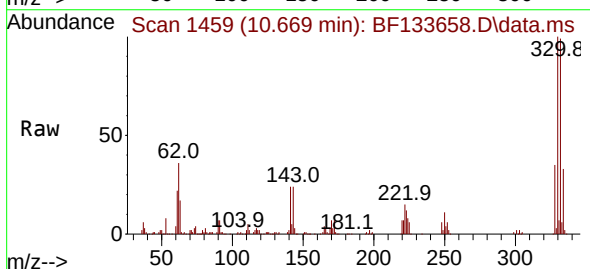
Tgt Ion:198 Resp: 302

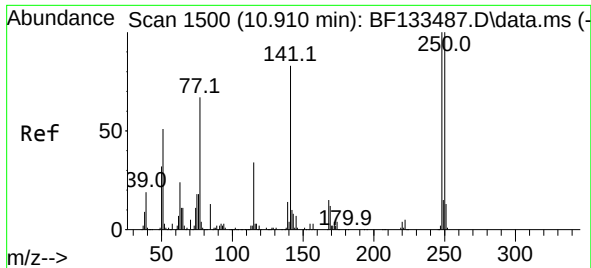
Ion Ratio Lower Upper

198 100

51 151.5 53.6 93.6#

105 144.8 35.9 75.9#

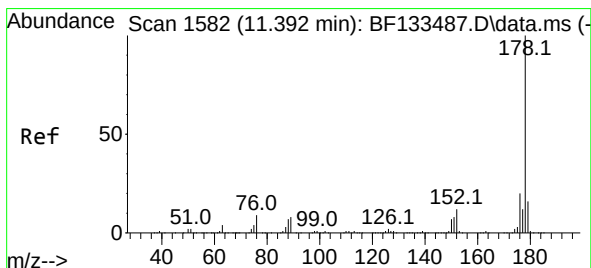
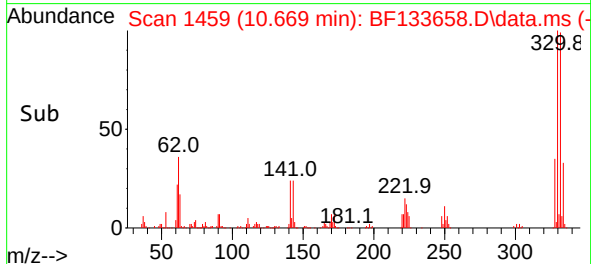
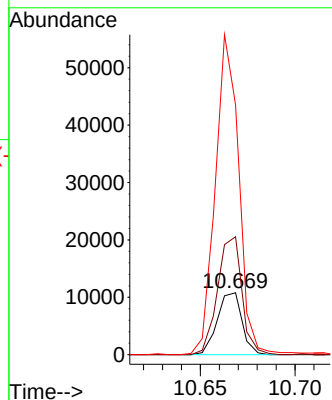
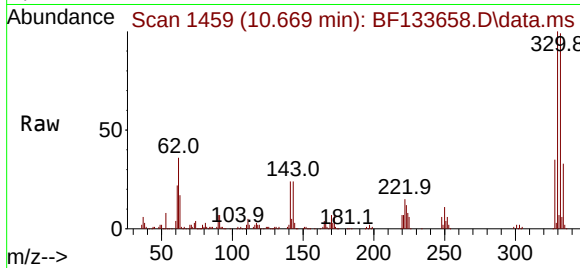




#67
4-Bromophenyl-phenylether
Concen: 3.119 ng
RT: 10.669 min Scan# 1459
Delta R.T. -0.241 min
Lab File: BF133658.D
Acq: 09 Jun 2023 01:00

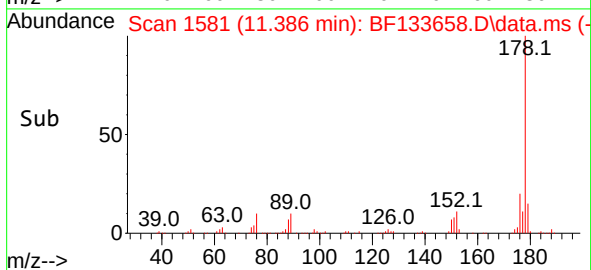
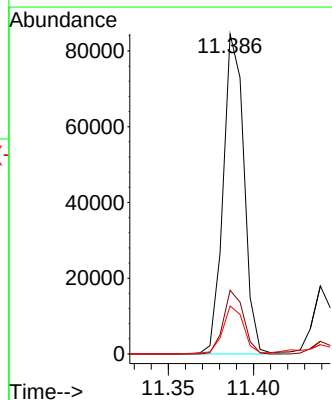
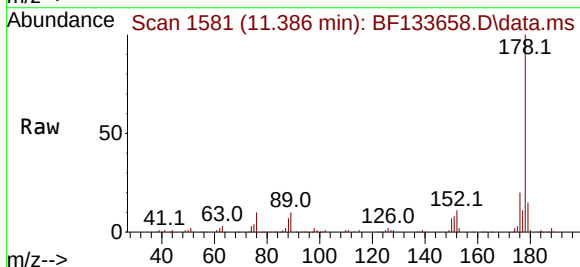
Instrument :
BNA_F
ClientSampleId :
WC36

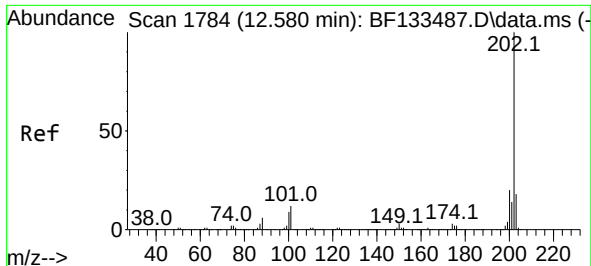
Tgt Ion:248 Resp: 9843
Ion Ratio Lower Upper
248 100
250 190.3 79.7 119.5#
141 403.2 66.6 100.0#



#71
Phenanthrene
Concen: 4.771 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF133658.D
Acq: 09 Jun 2023 01:00

Tgt Ion:178 Resp: 71808
Ion Ratio Lower Upper
178 100
176 19.9 15.6 23.4
179 15.0 12.4 18.6

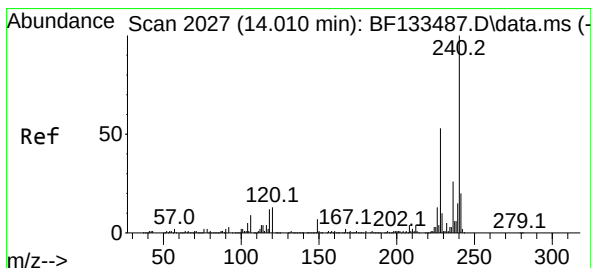
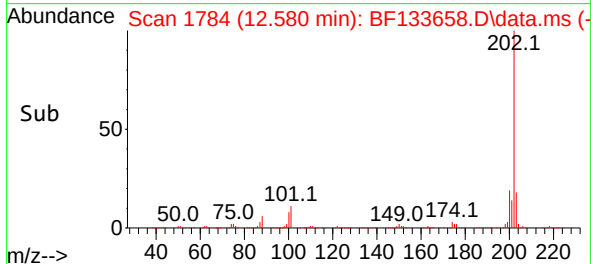
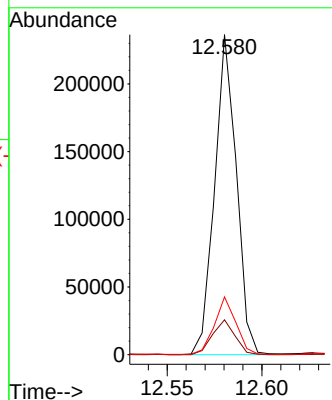
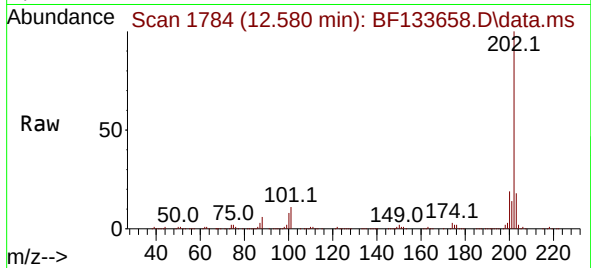




#75
Fluoranthene
Concen: 11.372 ng
RT: 12.580 min Scan# 1784
Delta R.T. -0.006 min
Lab File: BF133658.D
Acq: 09 Jun 2023 01:00

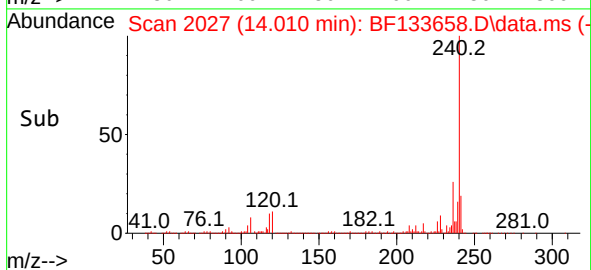
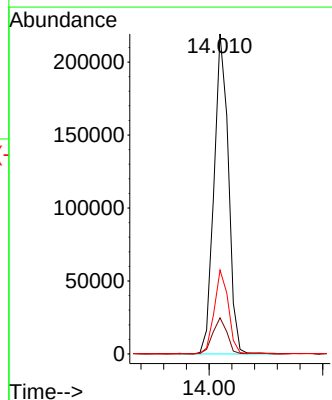
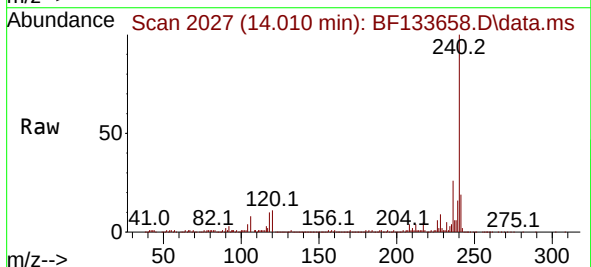
Instrument :
BNA_F
ClientSampleId :
WC36

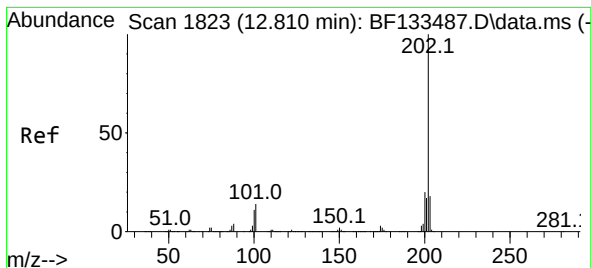
Tgt Ion:202 Resp: 189066
Ion Ratio Lower Upper
202 100
101 10.9 0.0 32.2
203 18.1 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF133658.D
Acq: 09 Jun 2023 01:00

Tgt Ion:240 Resp: 193023
Ion Ratio Lower Upper
240 100
120 11.3 10.3 15.5
236 26.2 20.5 30.7





#78

Pyrene

Concen: 10.555 ng

RT: 12.810 min Scan# 1823

Delta R.T. -0.006 min

Lab File: BF133658.D

Acq: 09 Jun 2023 01:00

Instrument :

BNA_F

ClientSampleId :

WC36

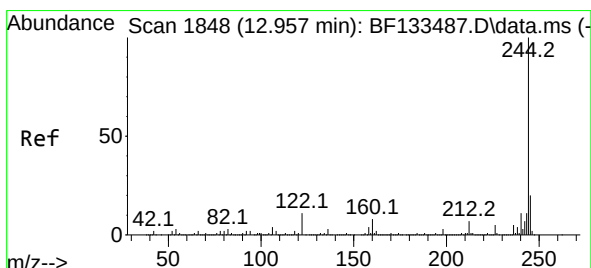
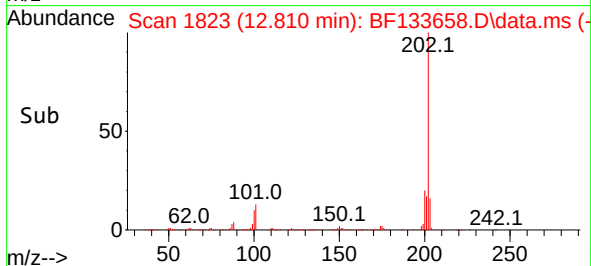
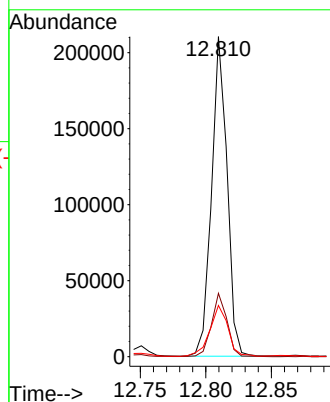
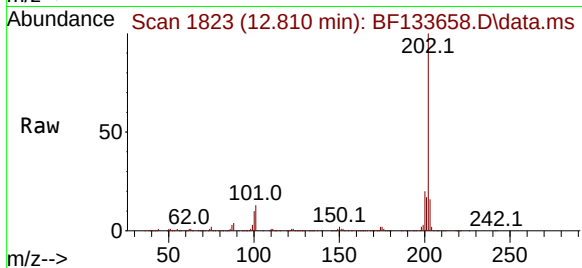
Tgt Ion:202 Resp: 173373

Ion Ratio Lower Upper

202 100

200 19.8 16.3 24.5

203 16.0 14.3 21.5



#79

Terphenyl-d14

Concen: 56.959 ng

RT: 12.957 min Scan# 1848

Delta R.T. 0.000 min

Lab File: BF133658.D

Acq: 09 Jun 2023 01:00

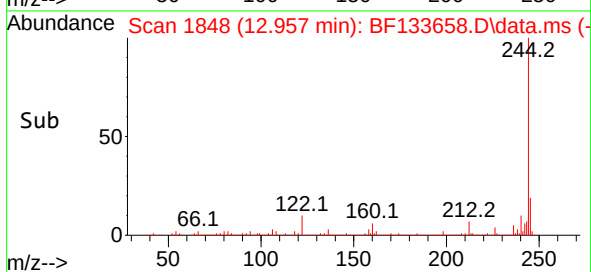
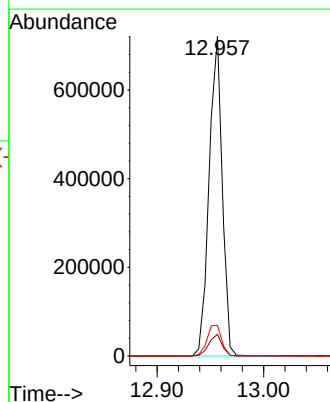
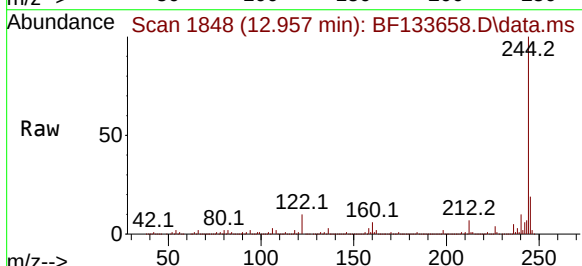
Tgt Ion:244 Resp: 618365

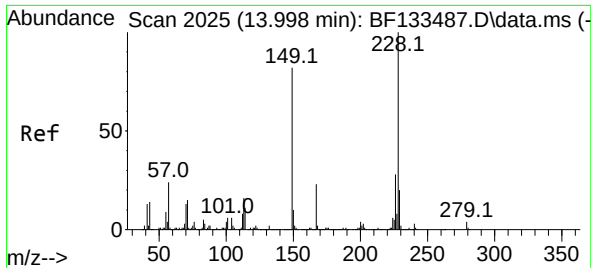
Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.6

122 9.6 8.5 12.7

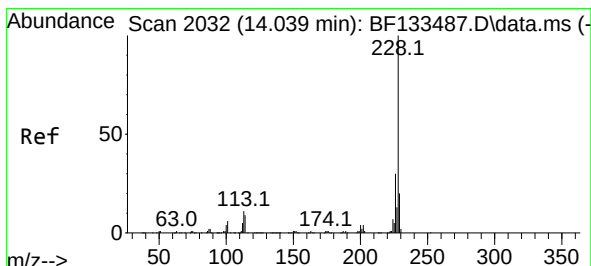
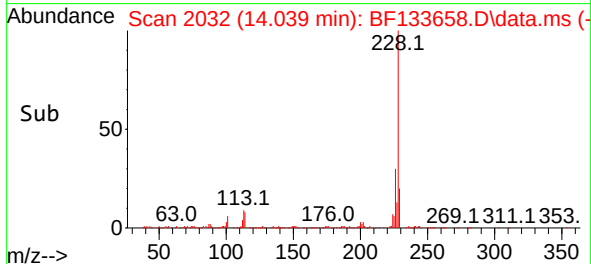
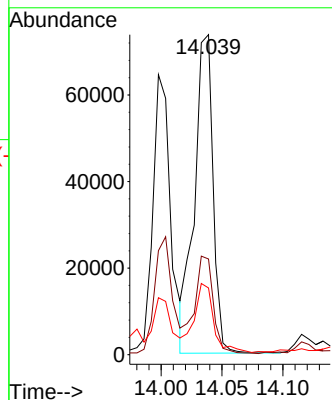
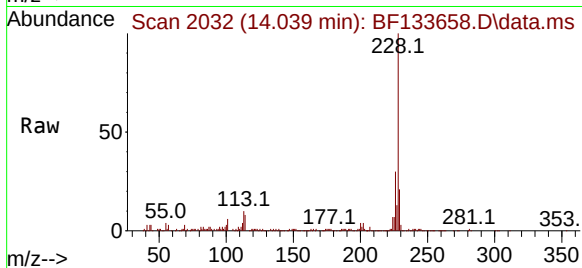




#81
Benzo(a)anthracene
Concen: 6.086 ng
RT: 14.039 min Scan# 2025
Delta R.T. 0.035 min
Lab File: BF133658.D
Acq: 09 Jun 2023 01:00

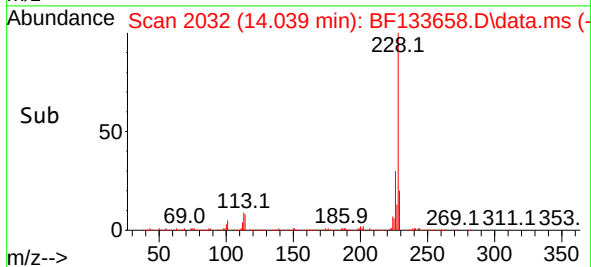
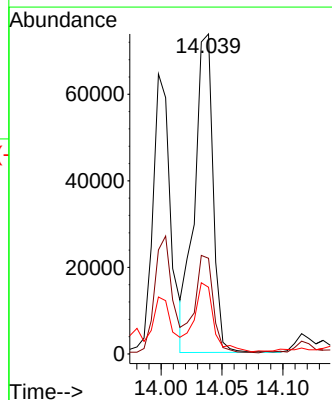
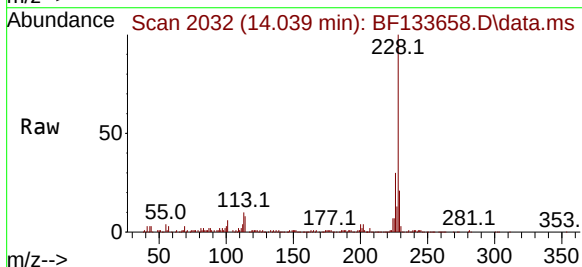
Instrument :
BNA_F
ClientSampleId :
WC36

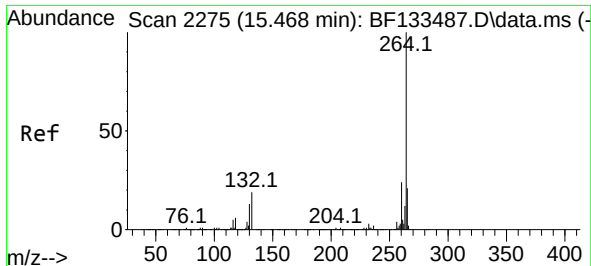
Tgt Ion:228 Resp: 78259
Ion Ratio Lower Upper
228 100
226 29.9 22.3 33.5
229 20.8 16.1 24.1



#83
Chrysene
Concen: 6.029 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF133658.D
Acq: 09 Jun 2023 01:00

Tgt Ion:228 Resp: 78259
Ion Ratio Lower Upper
228 100
226 29.9 24.1 36.1
229 20.8 15.8 23.8



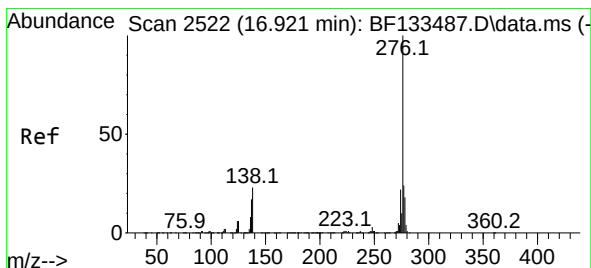
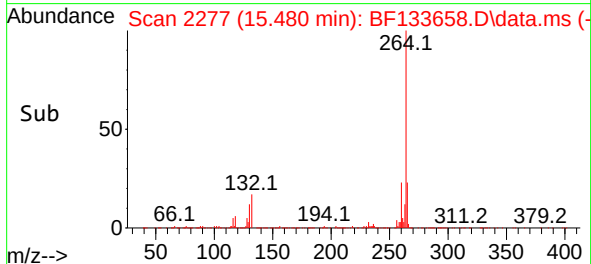
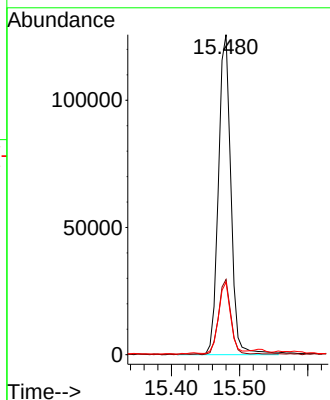
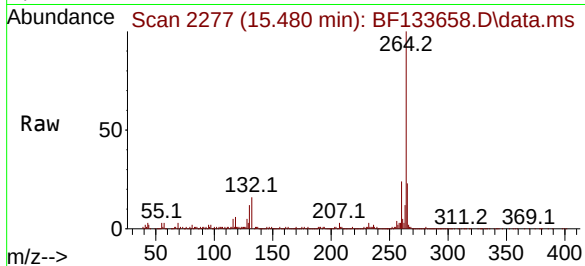


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.480 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF133658.D
Acq: 09 Jun 2023 01:00

Instrument :
BNA_F
ClientSampleId :
WC36

Tgt Ion:264 Resp: 160656

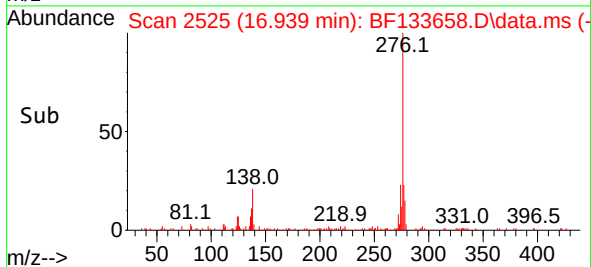
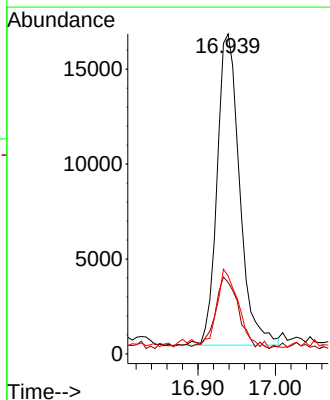
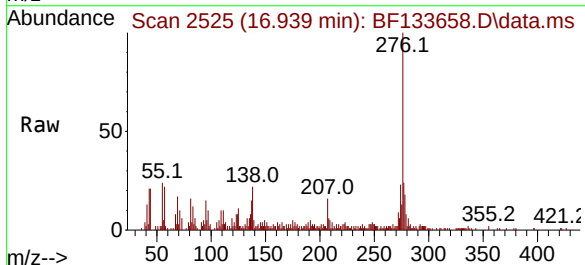
Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.0	28.4
265	22.7	16.8	25.2

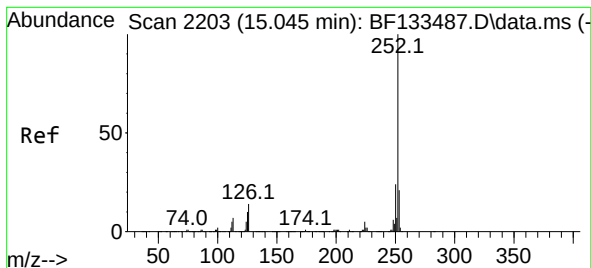


#87
Indeno(1,2,3-cd)pyrene
Concen: 3.243 ng
RT: 16.939 min Scan# 2525
Delta R.T. -0.006 min
Lab File: BF133658.D
Acq: 09 Jun 2023 01:00

Tgt Ion:276 Resp: 33192

Ion	Ratio	Lower	Upper
276	100		
138	24.2	21.4	32.2
277	23.8	20.0	30.0





#88

Benzo(b)fluoranthene

Concen: 11.254 ng

RT: 15.051 min Scan# 2204

Delta R.T. 0.000 min

Lab File: BF133658.D

Acq: 09 Jun 2023 01:00

Instrument :

BNA_F

ClientSampleId :

WC36

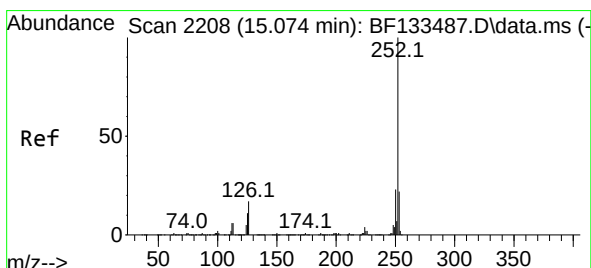
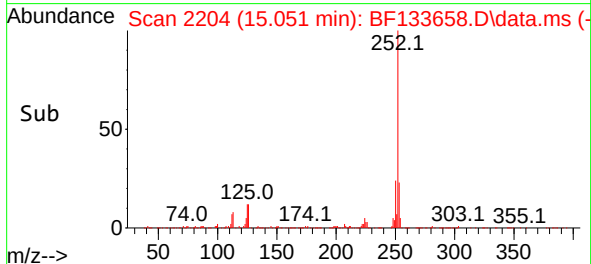
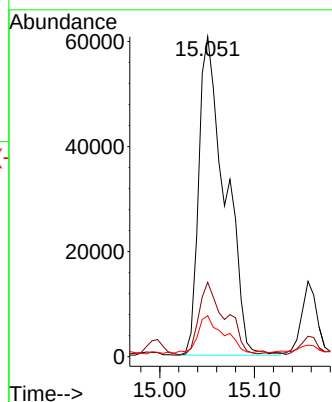
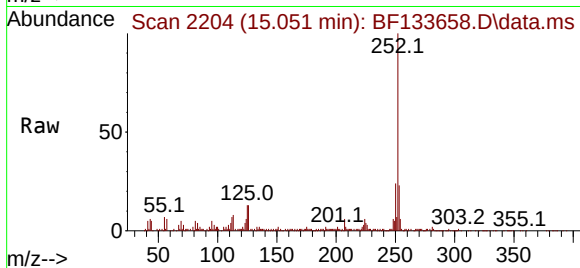
Tgt Ion:252 Resp: 117729

Ion Ratio Lower Upper

252 100

253 23.2 17.2 25.8

125 12.8 8.1 12.1#



#89

Benzo(k)fluoranthene

Concen: 11.541 ng

RT: 15.051 min Scan# 2204

Delta R.T. -0.035 min

Lab File: BF133658.D

Acq: 09 Jun 2023 01:00

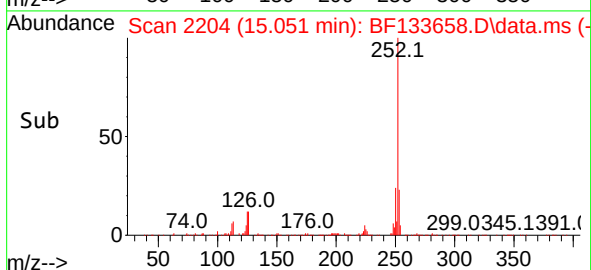
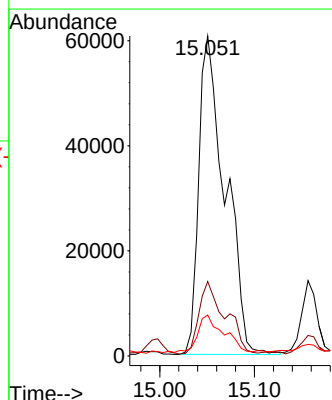
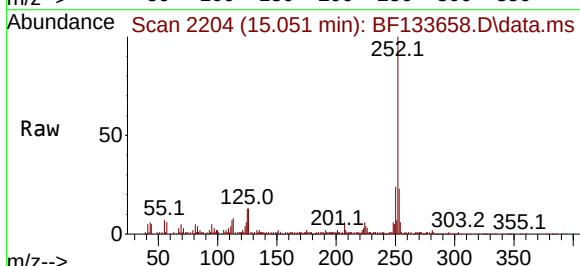
Tgt Ion:252 Resp: 117729

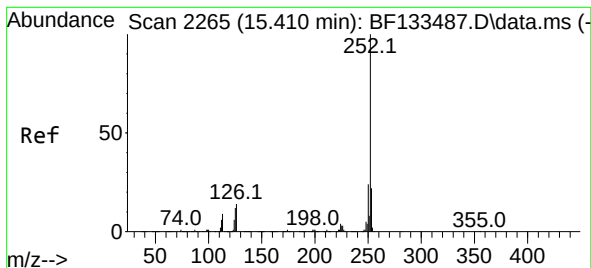
Ion Ratio Lower Upper

252 100

253 23.2 17.4 26.2

125 12.8 8.3 12.5#





#90

Benzo(a)pyrene

Concen: 5.504 ng

RT: 15.415 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF133658.D

Acq: 09 Jun 2023 01:00

Instrument :

BNA_F

ClientSampleId :

WC36

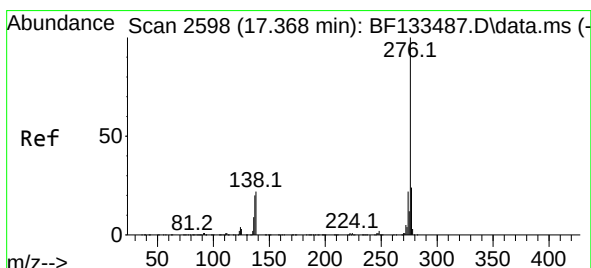
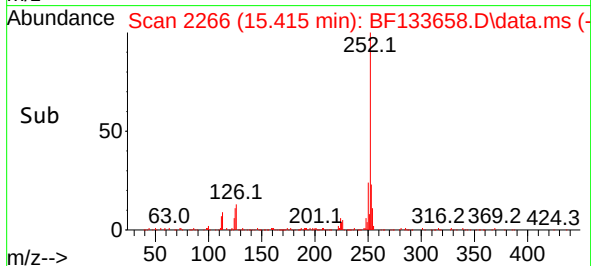
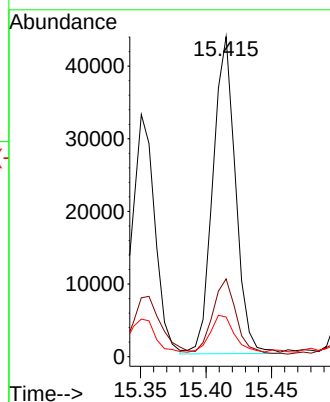
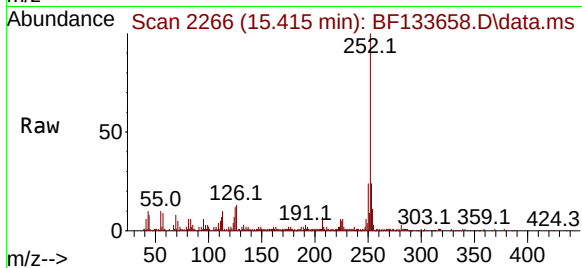
Tgt Ion:252 Resp: 52394

Ion Ratio Lower Upper

252 100

253 24.3 17.4 26.0

125 12.4 9.4 14.0



#92

Benzo(g,h,i)perylene

Concen: 3.762 ng

RT: 17.380 min Scan# 2600

Delta R.T. -0.012 min

Lab File: BF133658.D

Acq: 09 Jun 2023 01:00

Tgt Ion:276 Resp: 31476

Ion Ratio Lower Upper

276 100

277 21.8 18.8 28.2

138 23.4 17.8 26.6

