

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060823\
 Data File : BF133661.D
 Acq On : 09 Jun 2023 02:33
 Operator : CG\JU
 Sample : 03002-06DL 5X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB03DL

Quant Time: Jun 09 04:13:00 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)

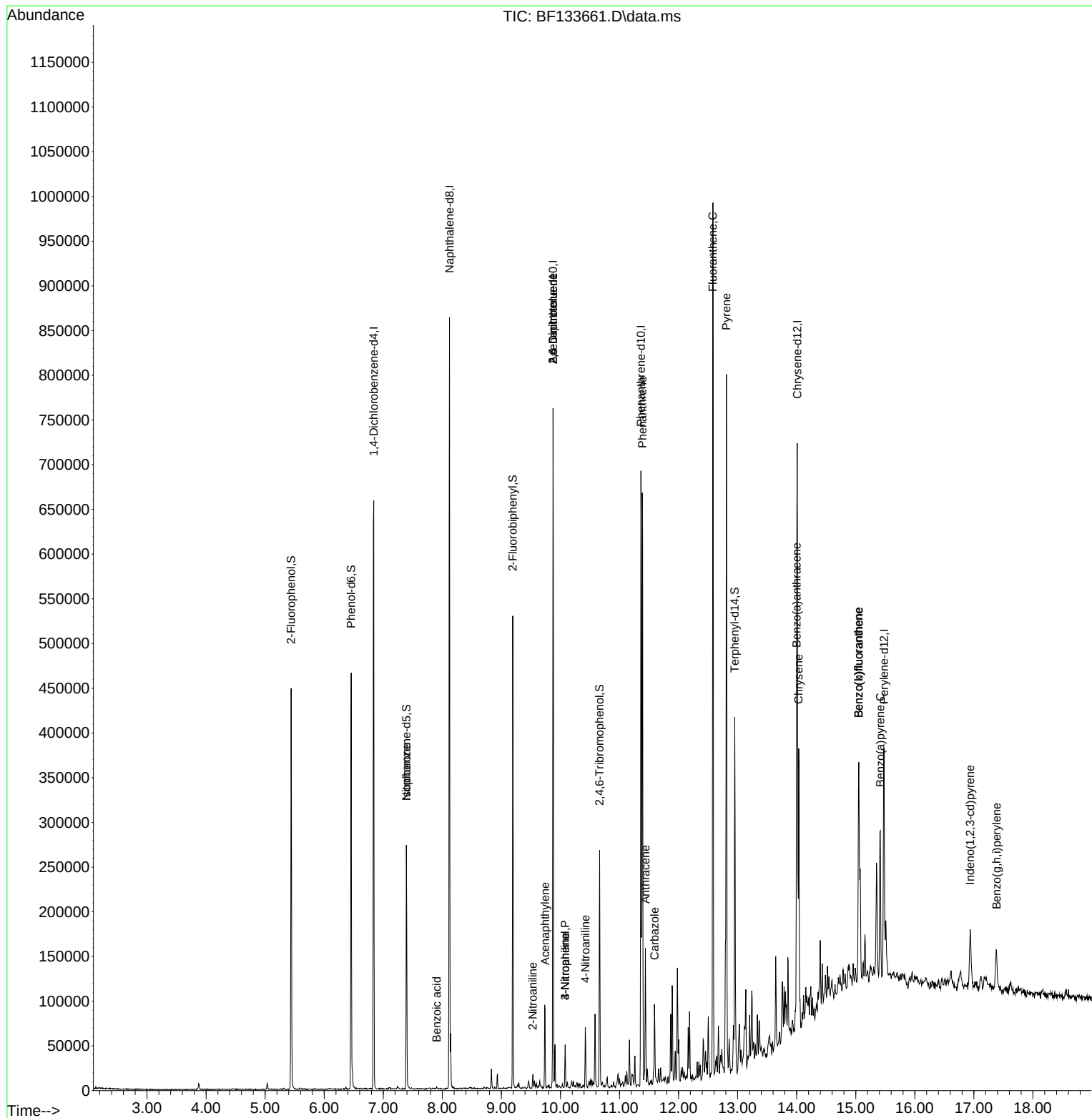
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	97566	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	336515	20.000	ng	0.00
39) Acenaphthene-d10	9.874	164	141648	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	255111	20.000	ng	0.00
76) Chrysene-d12	14.010	240	155610	20.000	ng	0.00
86) Perylene-d12	15.480	264	128234	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.439	112	108314	18.523	ng	0.00
7) Phenol-d6	6.457	99	128410	17.838	ng	-0.01
23) Nitrobenzene-d5	7.392	82	72689	14.422	ng	-0.01
42) 2,4,6-Tribromophenol	10.663	330	26119	18.498	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	139885	15.242	ng	0.00
79) Terphenyl-d14	12.951	244	121135	13.841	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.404	77	54	Below Cal	#	1
25) Isophorone	7.392	82	72688	6.188	ng	# 65
32) Benzoic acid	7.904	122	377	7.446	ng	# 1
48) 2-Nitroaniline	9.533	65	110	4.028	ng	# 6
49) Acenaphthylene	9.739	152	39041	2.743	ng	99
51) 2,6-Dinitrotoluene	9.874	165	17649	12.291	ng	# 18
53) 3-Nitroaniline	10.080	138	322	3.306	ng	# 1
56) 4-Nitrophenol	10.080	139	5424	3.184	ng	# 5
57) 2,4-Dinitrotoluene	9.874	165	17649	11.515	ng	# 16
62) 4-Nitroaniline	10.422	138	175	3.053	ng	# 19
71) Phenanthrene	11.386	178	244630	18.933	ng	100
72) Anthracene	11.439	178	50330	3.785	ng	98
73) Carbazole	11.592	167	31719	2.522	ng	99
75) Fluoranthene	12.580	202	365369	25.600	ng	98
78) Pyrene	12.810	202	297374	22.457	ng	99
81) Benzo(a)anthracene	13.998	228	135990	13.119	ng	97
83) Chrysene	14.033	228	126357	12.074	ng	95
87) Indeno(1,2,3-cd)pyrene	16.939	276	48664	5.958	ng	# 91
88) Benzo(b)fluoranthene	15.051	252	180414	21.606	ng	98
89) Benzo(k)fluoranthene	15.051	252	180414	22.158	ng	99
90) Benzo(a)pyrene	15.415	252	82634	10.875	ng	97
92) Benzo(g,h,i)perylene	17.386	276	42862	6.419	ng	96

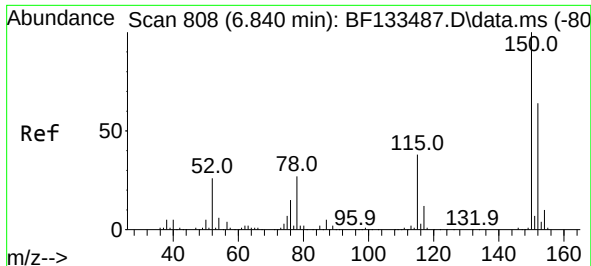
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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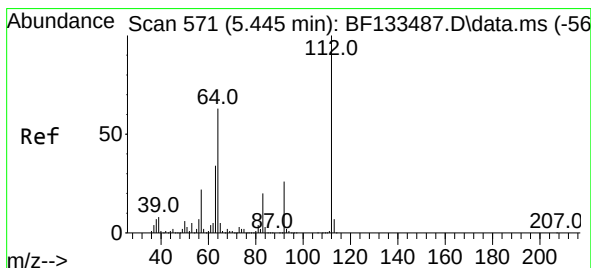
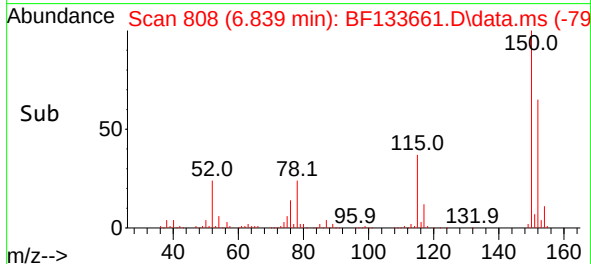
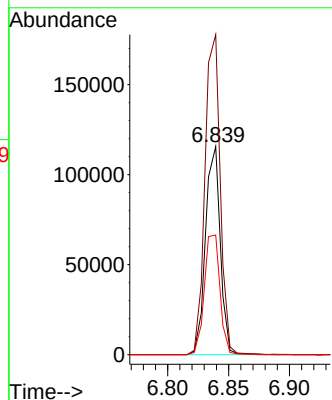
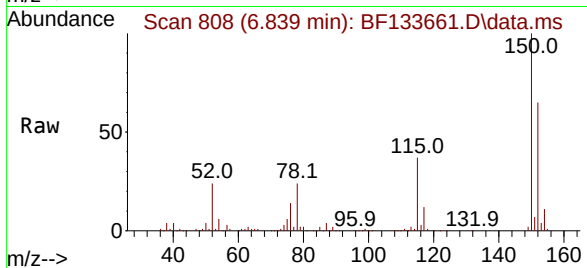




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 808
Delta R.T. 0.000 min
Lab File: BF133661.D
Acq: 09 Jun 2023 02:33

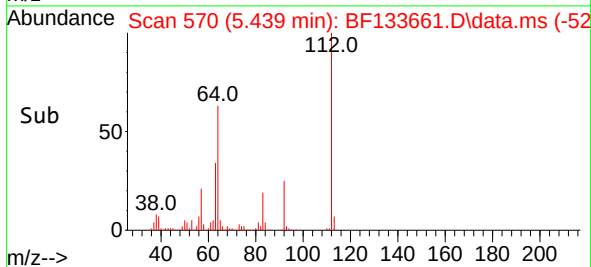
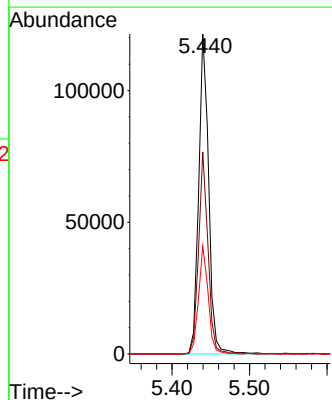
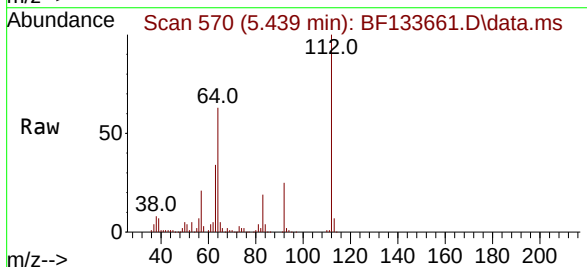
Instrument :
BNA_F
ClientSampleId :
SB03DL

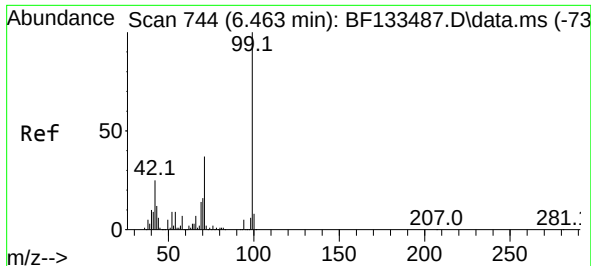
Tgt Ion:152 Resp: 97566
Ion Ratio Lower Upper
152 100
150 153.7 124.9 187.3
115 57.5 48.1 72.1



#5
2-Fluorophenol
Concen: 18.523 ng
RT: 5.439 min Scan# 570
Delta R.T. -0.006 min
Lab File: BF133661.D
Acq: 09 Jun 2023 02:33

Tgt Ion:112 Resp: 108314
Ion Ratio Lower Upper
112 100
64 63.1 50.1 75.1
63 33.7 27.5 41.3

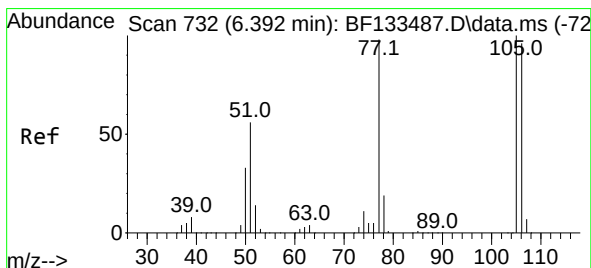
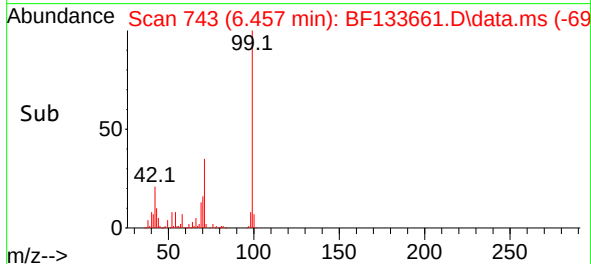
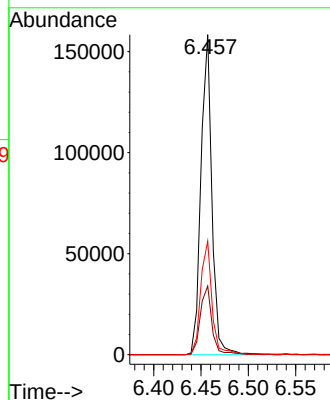
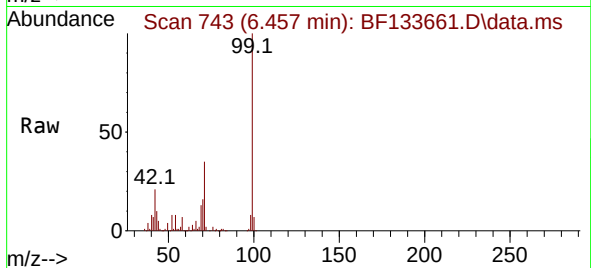




#7
Phenol-d6
Concen: 17.838 ng
RT: 6.457 min Scan# 744
Delta R.T. -0.012 min
Lab File: BF133661.D
Acq: 09 Jun 2023 02:33

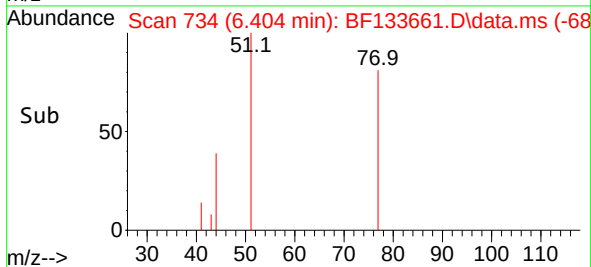
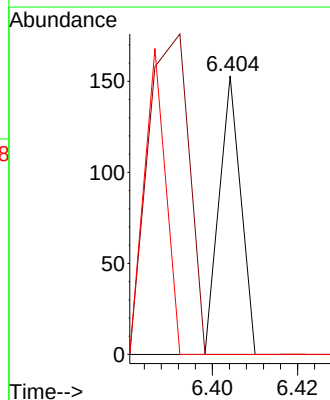
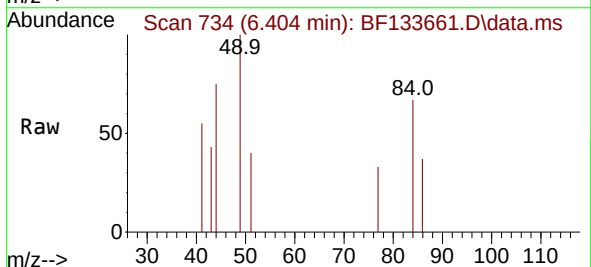
Instrument :
BNA_F
ClientSampleId :
SB03DL

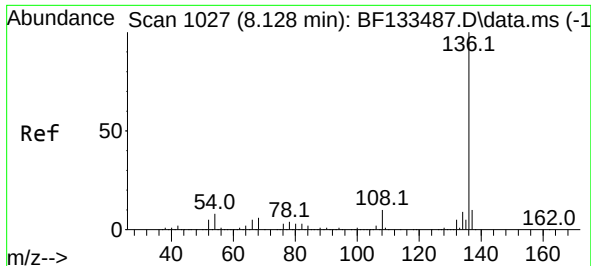
Tgt Ion: 99 Resp: 128410
Ion Ratio Lower Upper
99 100
42 21.5 19.7 29.5
71 35.5 29.8 44.8



#9
Benzaldehyde
Concen: Below Cal
RT: 6.404 min Scan# 734
Delta R.T. 0.018 min
Lab File: BF133661.D
Acq: 09 Jun 2023 02:33

Tgt Ion: 77 Resp: 54
Ion Ratio Lower Upper
77 100
105 0.0 81.9 121.9#
106 0.0 77.8 117.8#

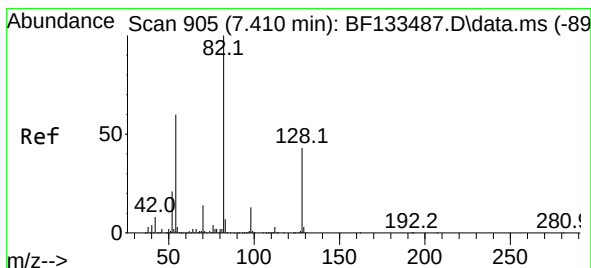
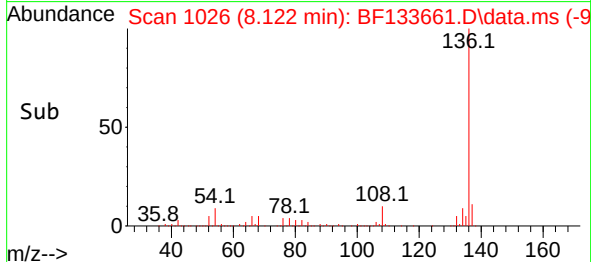
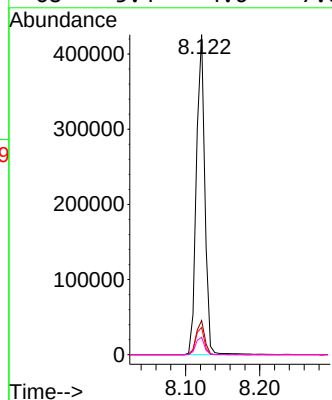
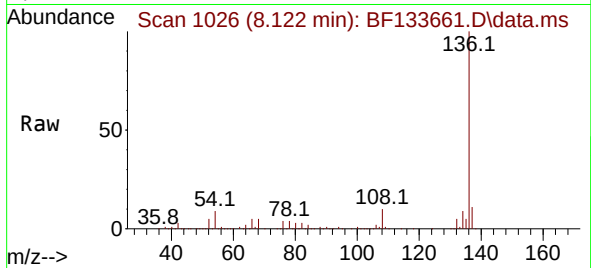




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1027
Delta R.T. -0.000 min
Lab File: BF133661.D
Acq: 09 Jun 2023 02:33

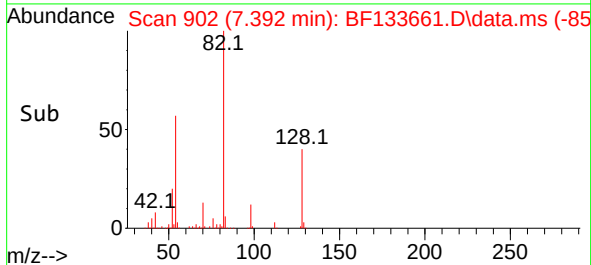
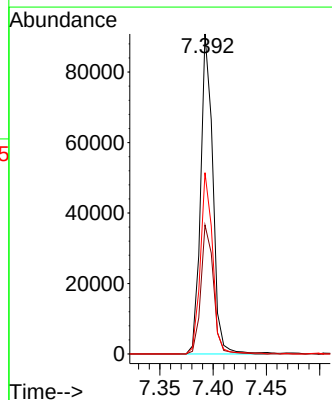
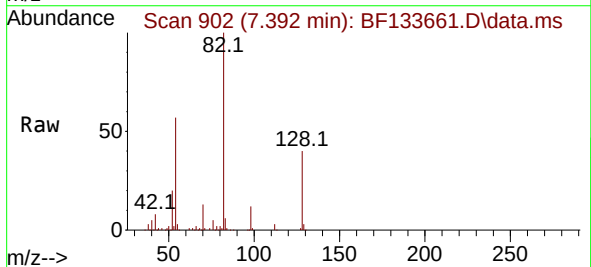
Instrument :
BNA_F
ClientSampleId :
SB03DL

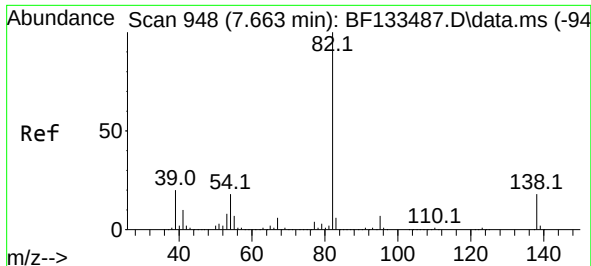
Tgt Ion:136	Resp:	336515
Ion	Ratio	Lower Upper
136	100	
137	10.7	8.2 12.4
54	8.5	6.6 10.0
68	5.4	4.6 7.0



#23
Nitrobenzene-d5
Concen: 14.422 ng
RT: 7.392 min Scan# 902
Delta R.T. -0.012 min
Lab File: BF133661.D
Acq: 09 Jun 2023 02:33

Tgt Ion: 82	Resp:	72689
Ion	Ratio	Lower Upper
82	100	
128	40.3	34.2 51.4
54	56.6	48.2 72.4

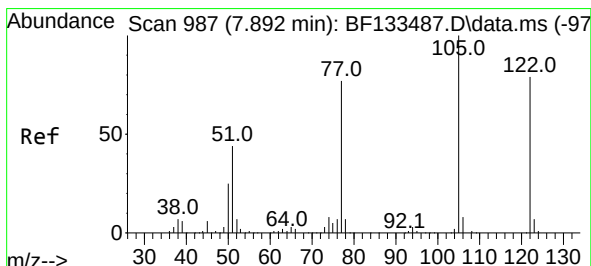
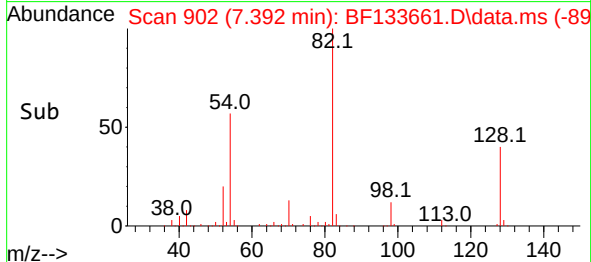
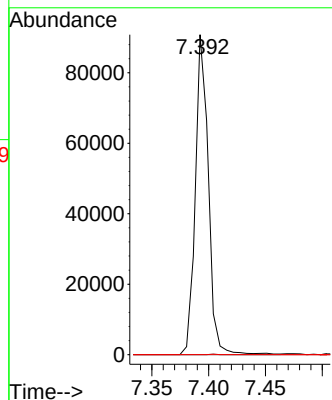
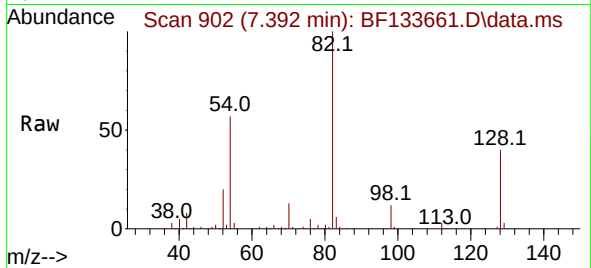




#25
Isophorone
Concen: 6.188 ng
RT: 7.392 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF133661.D
Acq: 09 Jun 2023 02:33

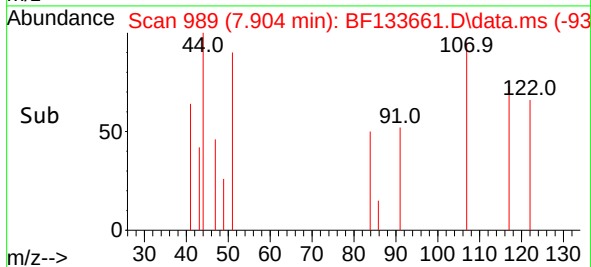
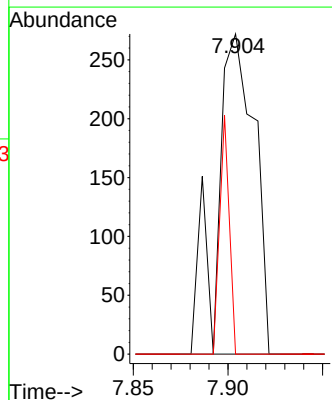
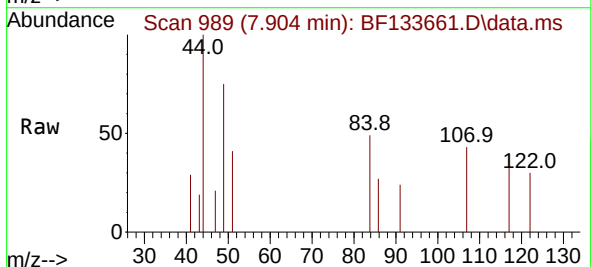
Instrument :
BNA_F
ClientSampleId :
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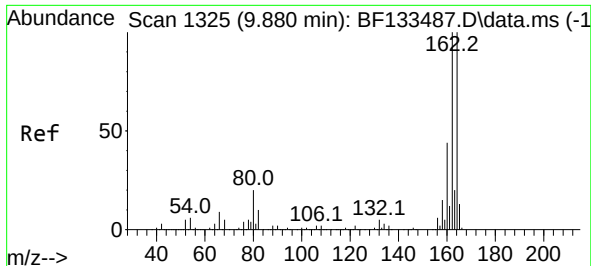
Tgt Ion: 82 Resp: 72688
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.2 21.4#



#32
Benzoic acid
Concen: 7.446 ng
RT: 7.904 min Scan# 989
Delta R.T. 0.018 min
Lab File: BF133661.D
Acq: 09 Jun 2023 02:33

Tgt Ion: 122 Resp: 377
Ion Ratio Lower Upper
122 100
105 0.0 103.3 143.3#
77 0.0 75.7 115.7#

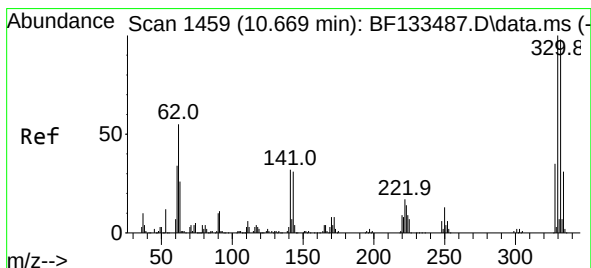
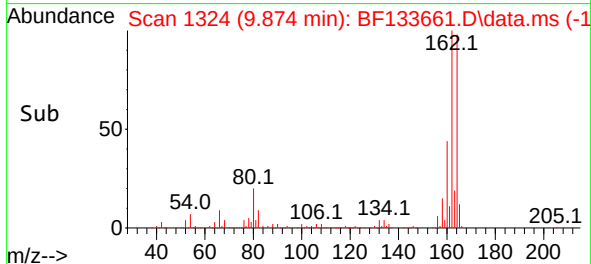
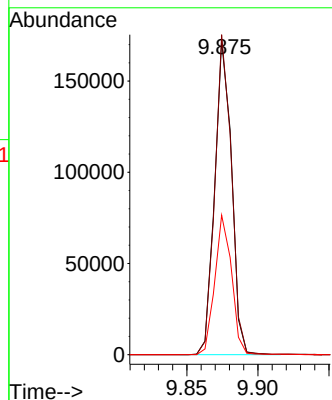
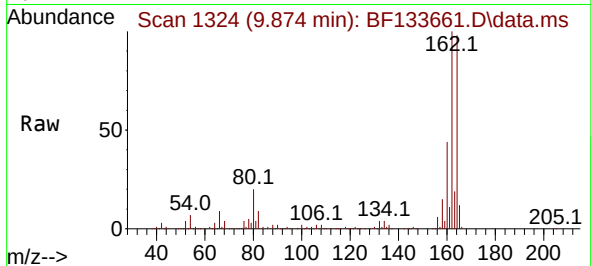




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.874 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133661.D
Acq: 09 Jun 2023 02:33

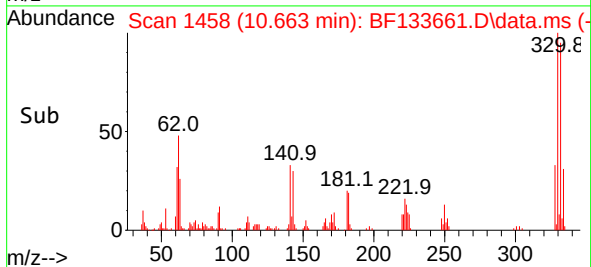
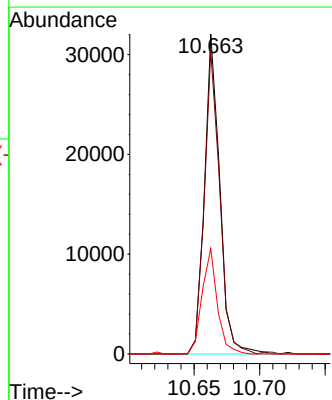
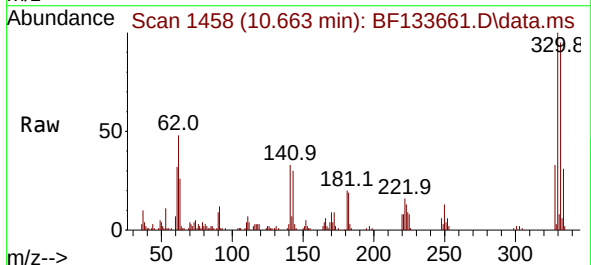
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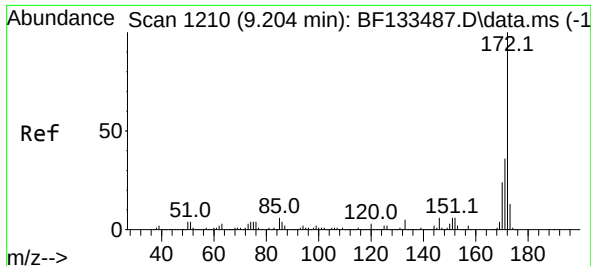
Tgt Ion:164 Resp: 141648
Ion Ratio Lower Upper
164 100
162 101.9 79.7 119.5
160 44.4 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 18.498 ng
RT: 10.663 min Scan# 1458
Delta R.T. -0.006 min
Lab File: BF133661.D
Acq: 09 Jun 2023 02:33

Tgt Ion:330 Resp: 26119
Ion Ratio Lower Upper
330 100
332 94.7 77.8 116.6
141 32.7 26.6 40.0





#45

2-Fluorobiphenyl

Concen: 15.242 ng

RT: 9.192 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF133661.D

Acq: 09 Jun 2023 02:33

Instrument :

BNA_F

ClientSampleId :

SB03DL

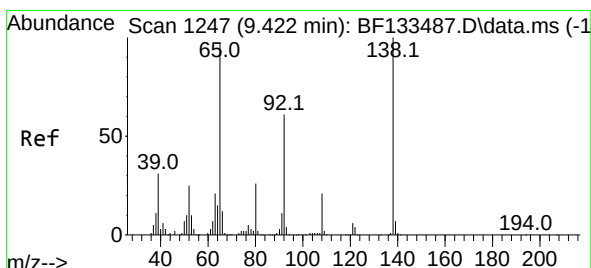
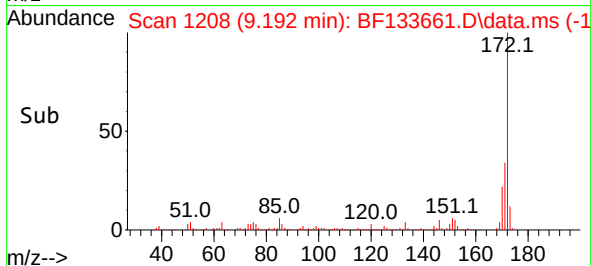
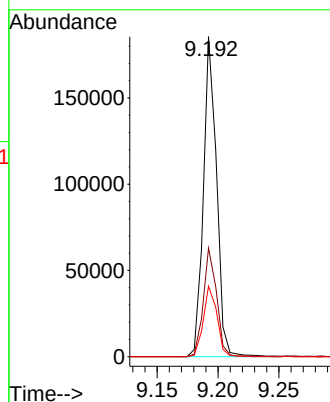
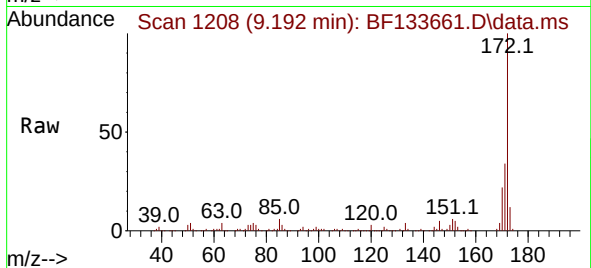
Tgt Ion:172 Resp: 139885

Ion Ratio Lower Upper

172 100

171 33.9 28.4 42.6

170 22.1 19.3 28.9



#48

2-Nitroaniline

Concen: 4.028 ng

RT: 9.533 min Scan# 1266

Delta R.T. 0.112 min

Lab File: BF133661.D

Acq: 09 Jun 2023 02:33

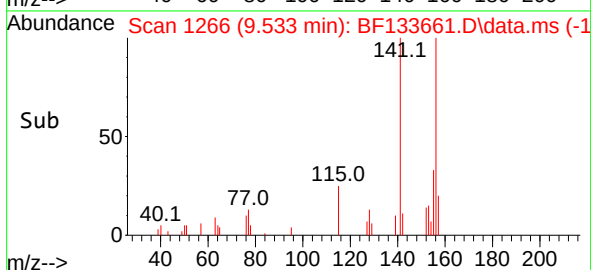
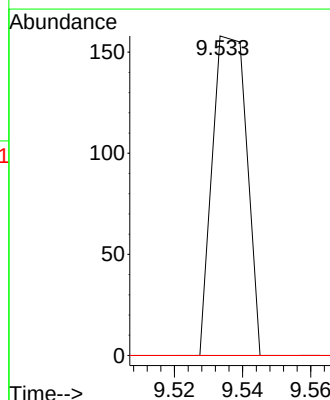
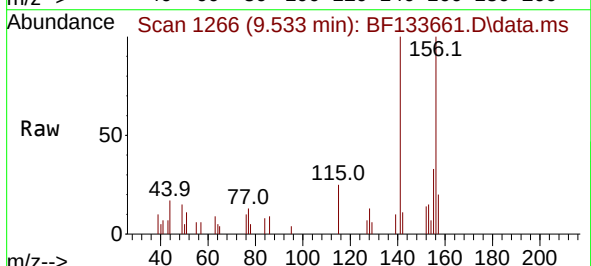
Tgt Ion: 65 Resp: 110

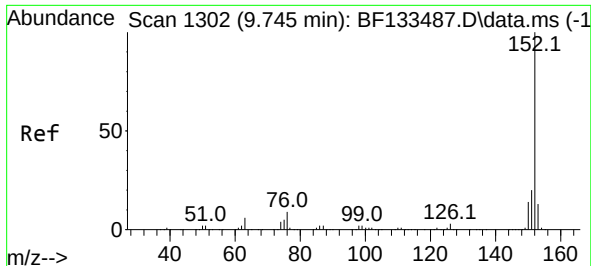
Ion Ratio Lower Upper

65 100

92 0.0 50.8 76.2#

138 0.0 82.6 124.0#





#49

Acenaphthylene

Concen: 2.743 ng

RT: 9.739 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF133661.D

Acq: 09 Jun 2023 02:33

Instrument :

BNA_F

ClientSampleId :

SB03DL

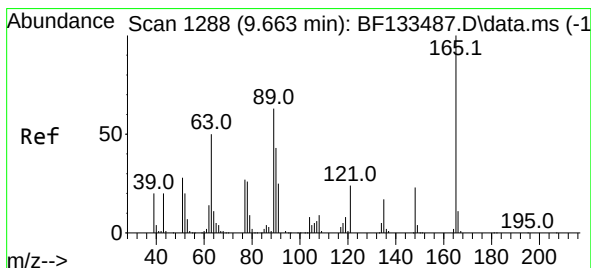
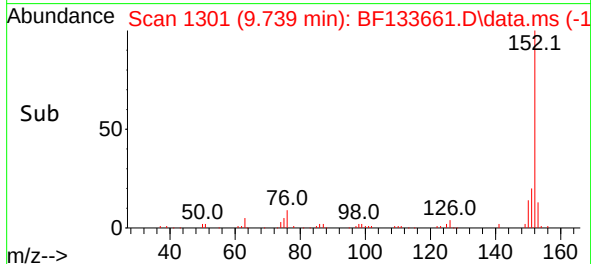
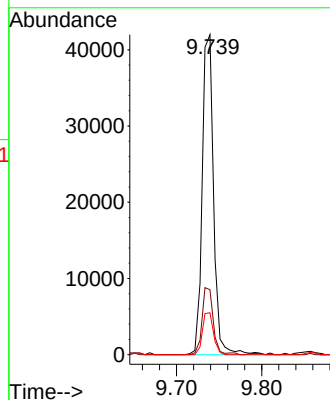
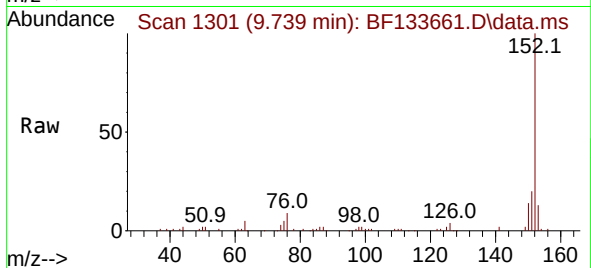
Tgt Ion:152 Resp: 39041

Ion Ratio Lower Upper

152 100

151 20.3 16.0 24.0

153 13.1 10.4 15.6



#51

2,6-Dinitrotoluene

Concen: 12.291 ng

RT: 9.874 min Scan# 1324

Delta R.T. 0.212 min

Lab File: BF133661.D

Acq: 09 Jun 2023 02:33

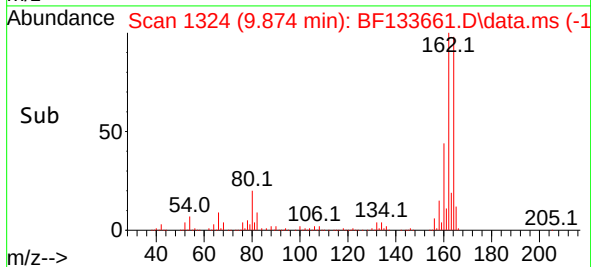
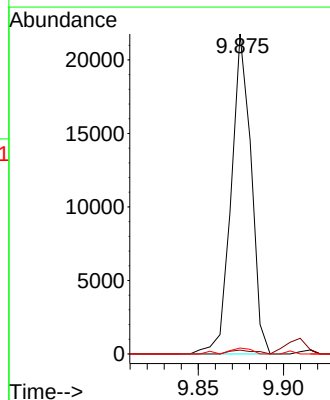
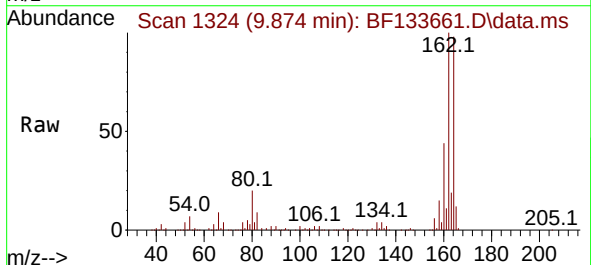
Tgt Ion:165 Resp: 17649

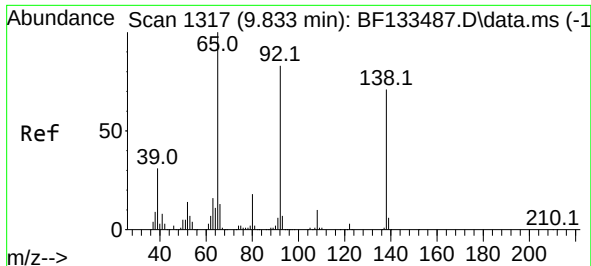
Ion Ratio Lower Upper

165 100

63 1.2 57.0 85.4#

89 1.8 50.8 76.2#

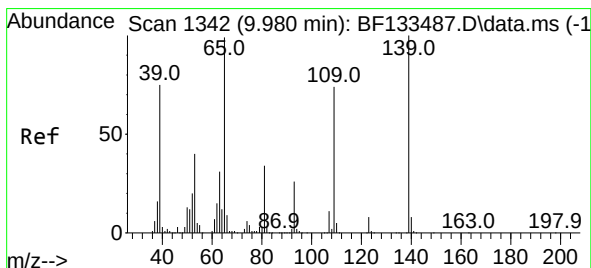
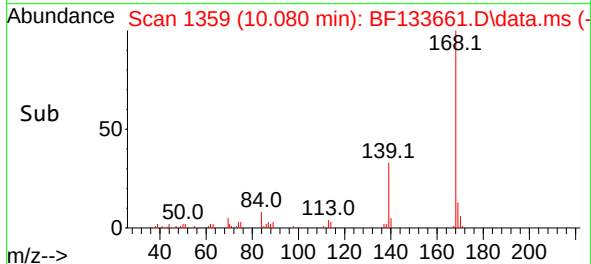
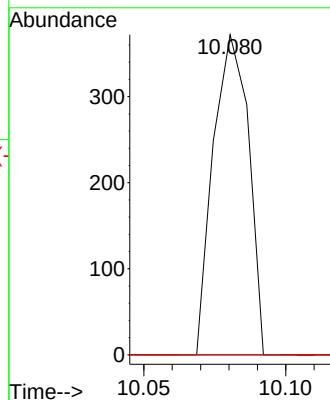
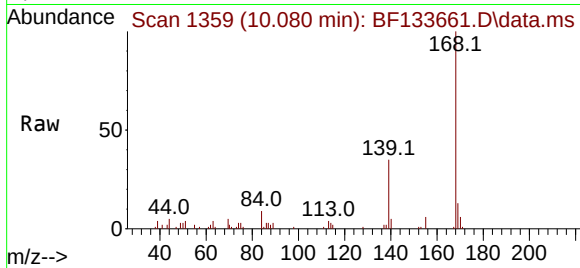




#53
3-Nitroaniline
Concen: 3.306 ng
RT: 10.080 min Scan# 11
Delta R.T. 0.247 min
Lab File: BF133661.D
Acq: 09 Jun 2023 02:33

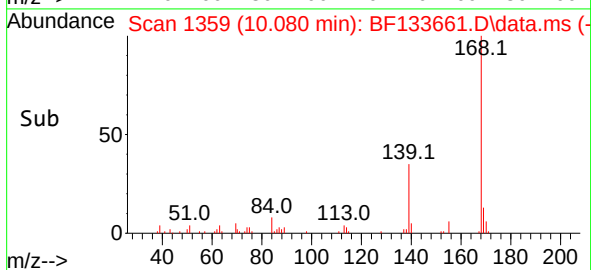
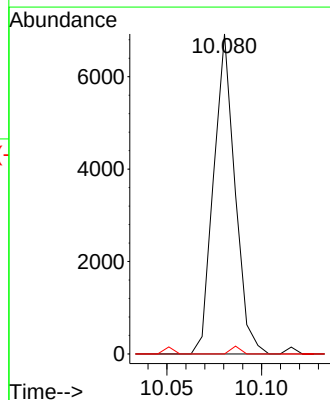
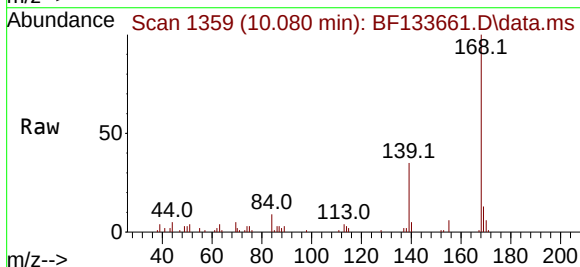
Instrument :
BNA_F
ClientSampleId :
SB03DL

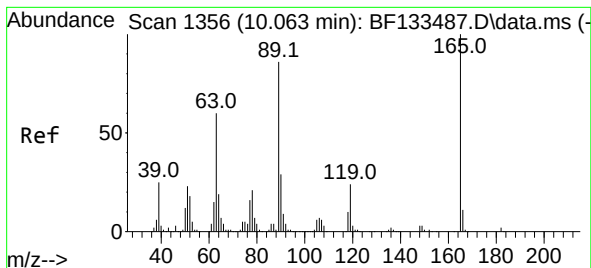
Tgt Ion:138 Resp: 322
Ion Ratio Lower Upper
138 100
108 0.0 11.9 17.9#
92 0.0 93.1 139.7#



#56
4-Nitrophenol
Concen: 3.184 ng
RT: 10.080 min Scan# 1359
Delta R.T. 0.094 min
Lab File: BF133661.D
Acq: 09 Jun 2023 02:33

Tgt Ion:139 Resp: 5424
Ion Ratio Lower Upper
139 100
109 0.0 54.5 94.5#
65 0.0 79.5 119.5#

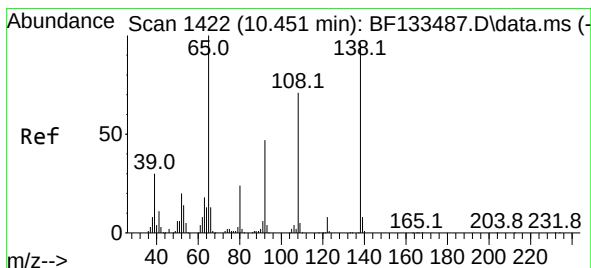
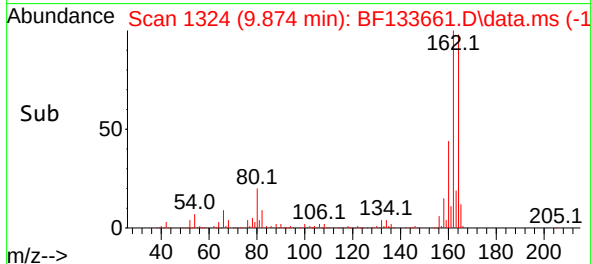
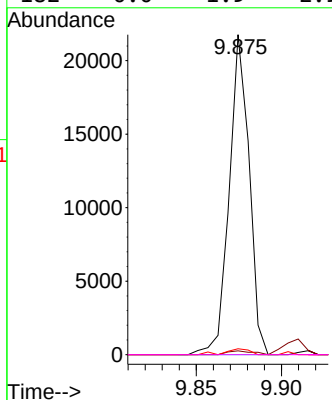
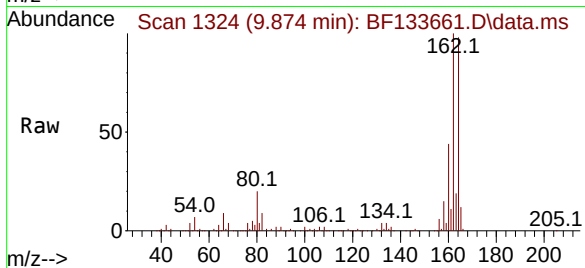




#57
2,4-Dinitrotoluene
Concen: 11.515 ng
RT: 9.874 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF133661.D
Acq: 09 Jun 2023 02:33

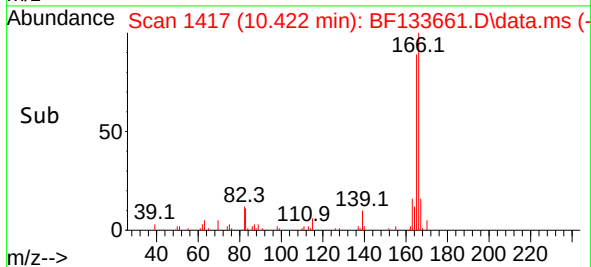
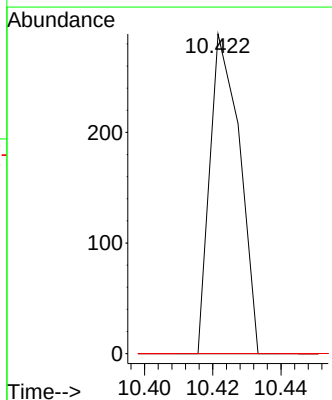
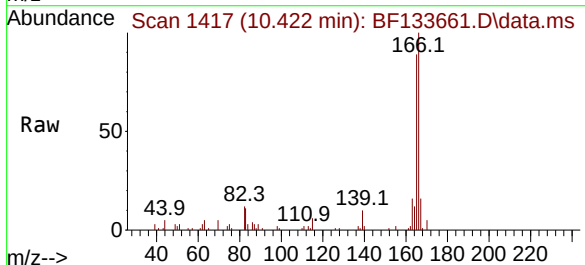
Instrument :
BNA_F
ClientSampleId :
SB03DL

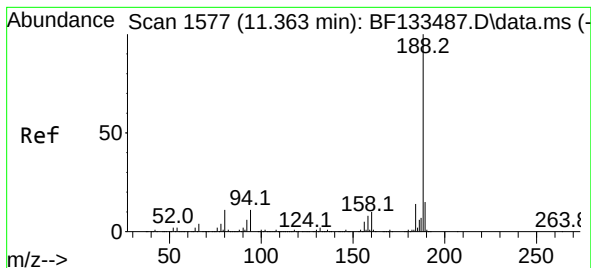
Tgt Ion:165 Resp: 17649
Ion Ratio Lower Upper
165 100
63 1.2 48.1 72.1#
89 1.8 68.4 102.6#
182 0.0 1.9 2.9#



#62
4-Nitroaniline
Concen: 3.053 ng
RT: 10.422 min Scan# 1417
Delta R.T. -0.029 min
Lab File: BF133661.D
Acq: 09 Jun 2023 02:33

Tgt Ion:138 Resp: 175
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: 11.363 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF133661.D

Acq: 09 Jun 2023 02:33

Instrument :

BNA_F

ClientSampleId :

SB03DL

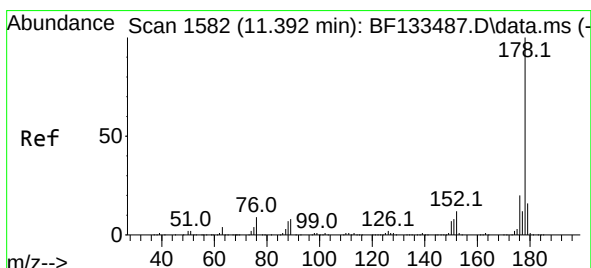
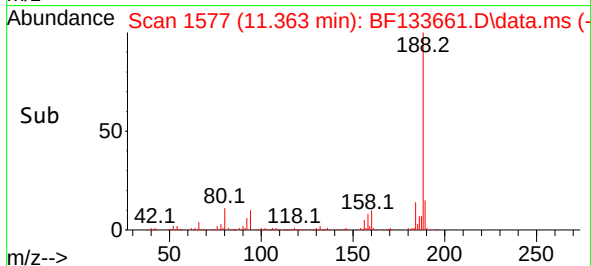
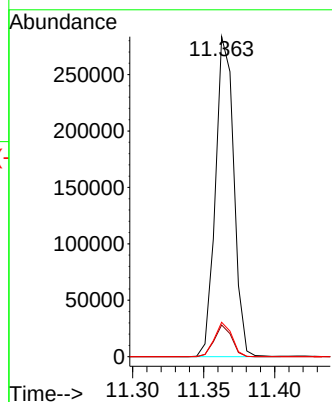
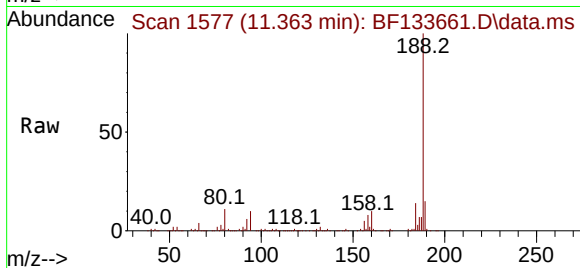
Tgt Ion:188 Resp: 255111

Ion Ratio Lower Upper

188 100

94 9.9 8.6 12.8

80 10.8 9.2 13.8



#71

Phenanthrene

Concen: 18.933 ng

RT: 11.386 min Scan# 1581

Delta R.T. -0.006 min

Lab File: BF133661.D

Acq: 09 Jun 2023 02:33

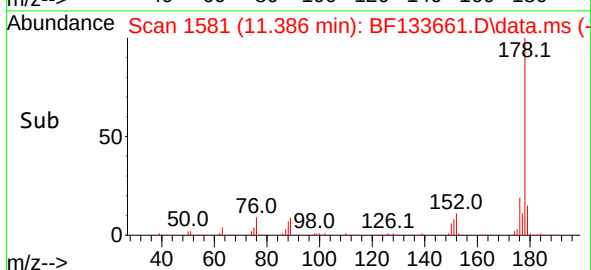
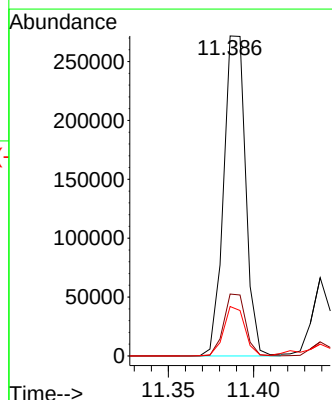
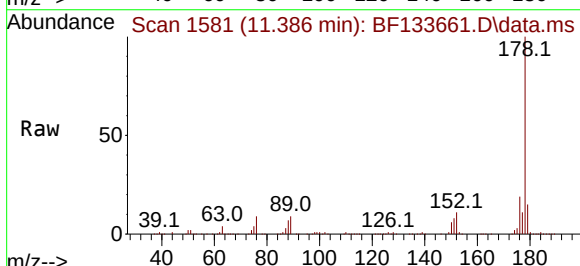
Tgt Ion:178 Resp: 244630

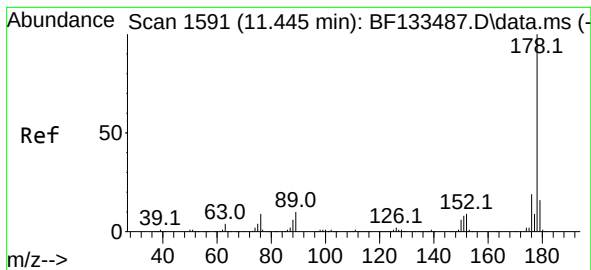
Ion Ratio Lower Upper

178 100

176 19.4 15.6 23.4

179 15.4 12.4 18.6





#72

Anthracene

Concen: 3.785 ng

RT: 11.439 min Scan# 1590

Delta R.T. -0.006 min

Lab File: BF133661.D

Acq: 09 Jun 2023 02:33

Instrument :

BNA_F

ClientSampleId :

SB03DL

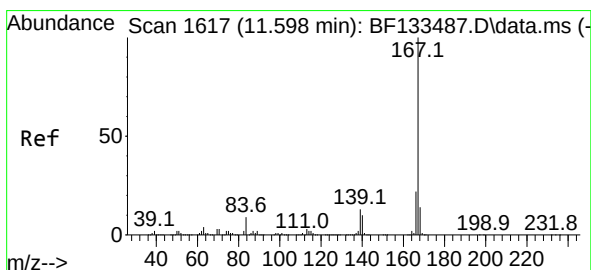
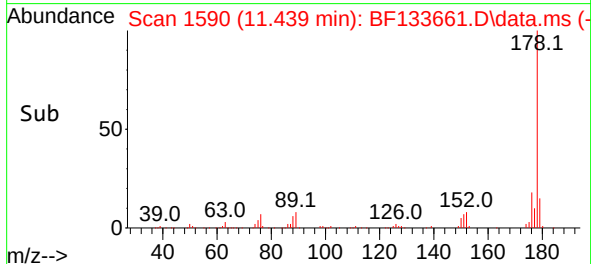
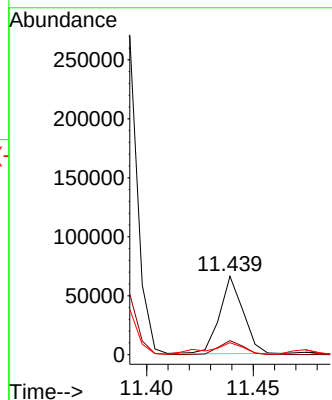
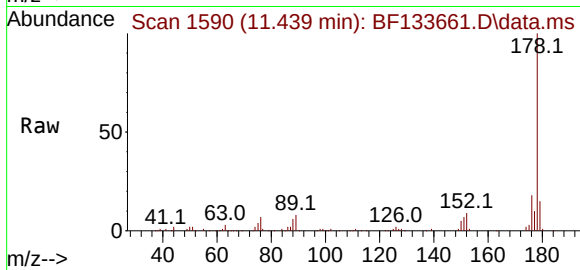
Tgt Ion:178 Resp: 50330

Ion Ratio Lower Upper

178 100

176 18.0 15.3 22.9

179 15.2 12.6 18.8



#73

Carbazole

Concen: 2.522 ng

RT: 11.592 min Scan# 1616

Delta R.T. -0.006 min

Lab File: BF133661.D

Acq: 09 Jun 2023 02:33

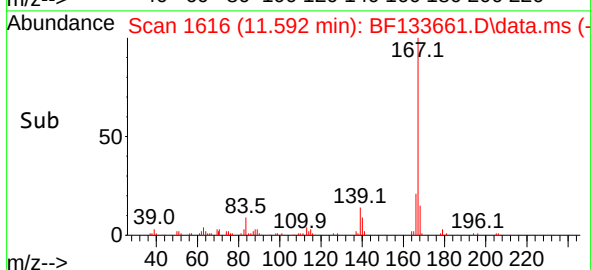
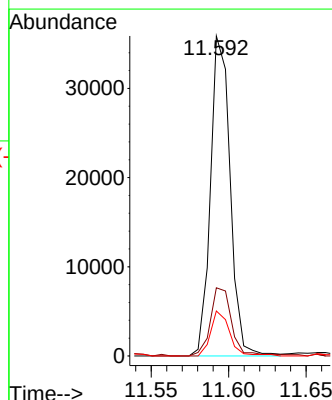
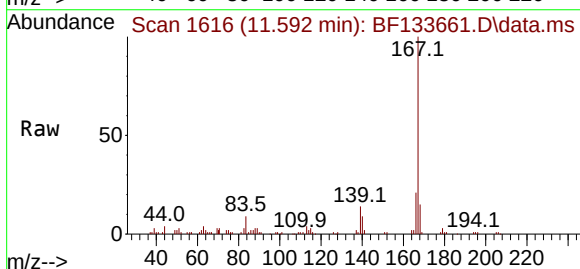
Tgt Ion:167 Resp: 31719

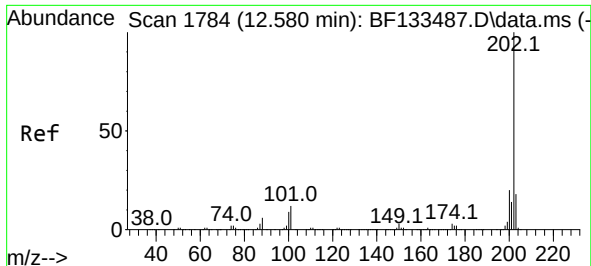
Ion Ratio Lower Upper

167 100

166 21.3 17.3 25.9

139 14.0 10.7 16.1

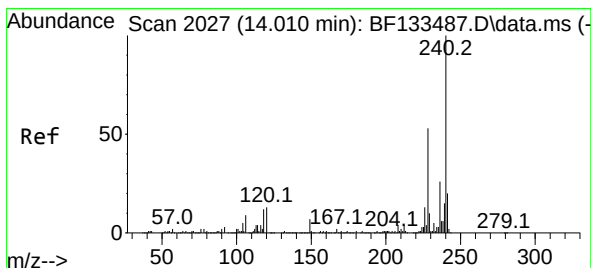
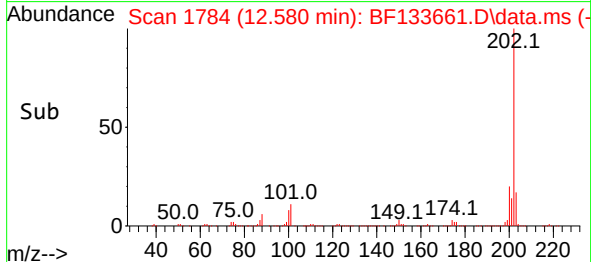
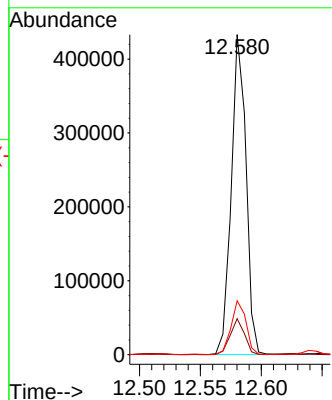
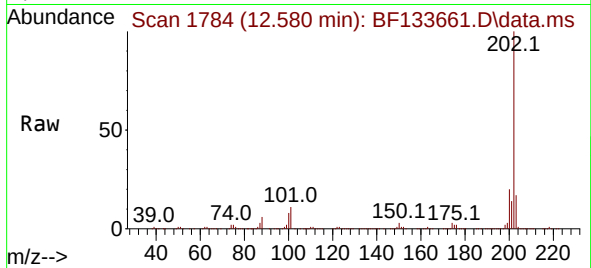




#75
Fluoranthene
Concen: 25.600 ng
RT: 12.580 min Scan# 1784
Delta R.T. -0.006 min
Lab File: BF133661.D
Acq: 09 Jun 2023 02:33

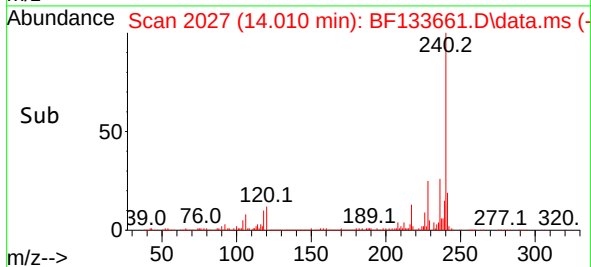
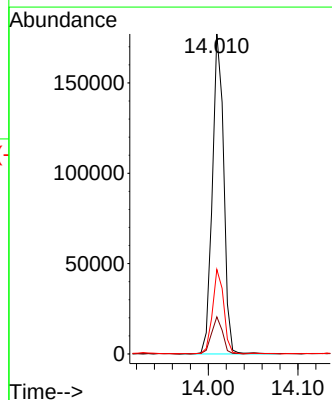
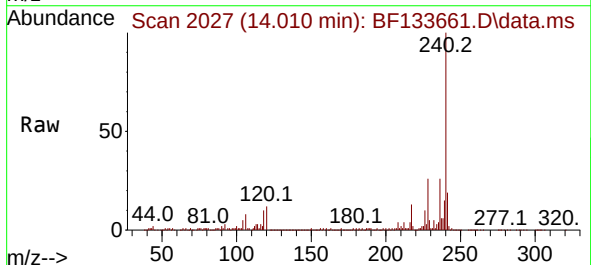
Instrument :
BNA_F
ClientSampleId :
SB03DL

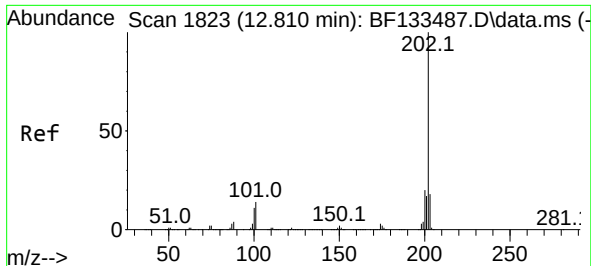
Tgt Ion:202 Resp: 365369
Ion Ratio Lower Upper
202 100
101 11.2 0.0 32.2
203 16.9 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF133661.D
Acq: 09 Jun 2023 02:33

Tgt Ion:240 Resp: 155610
Ion Ratio Lower Upper
240 100
120 11.6 10.3 15.5
236 26.4 20.5 30.7

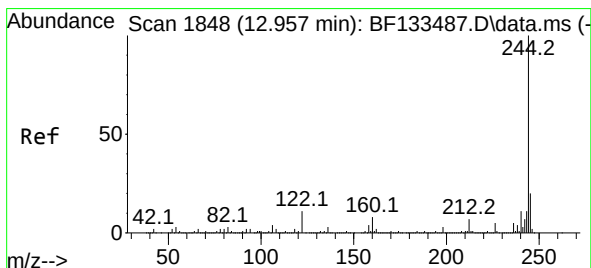
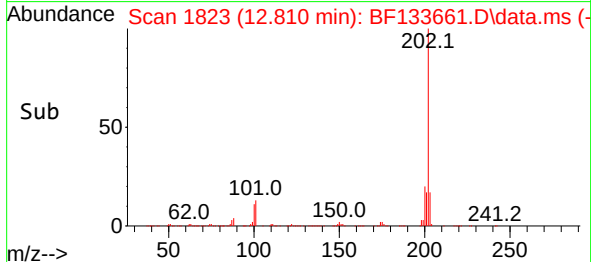
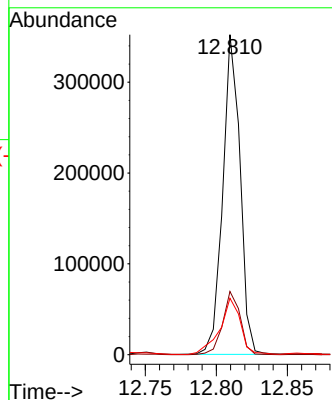
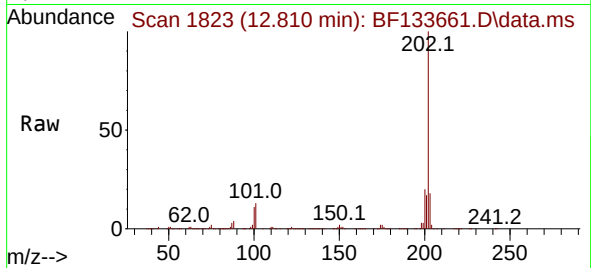




#78
Pyrene
Concen: 22.457 ng
RT: 12.810 min Scan# 1823
Delta R.T. -0.006 min
Lab File: BF133661.D
Acq: 09 Jun 2023 02:33

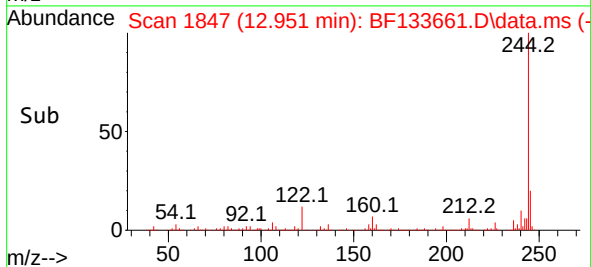
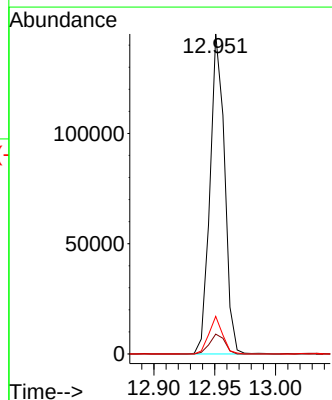
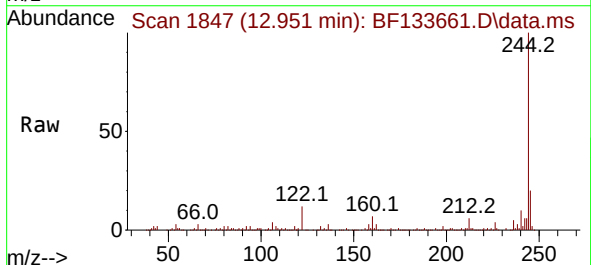
Instrument :
BNA_F
ClientSampleId :
SB03DL

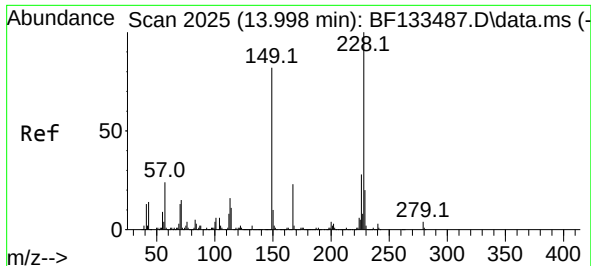
Tgt Ion:202 Resp: 297374
Ion Ratio Lower Upper
202 100
200 19.7 16.3 24.5
203 17.7 14.3 21.5



#79
Terphenyl-d14
Concen: 13.841 ng
RT: 12.951 min Scan# 1847
Delta R.T. -0.006 min
Lab File: BF133661.D
Acq: 09 Jun 2023 02:33

Tgt Ion:244 Resp: 121135
Ion Ratio Lower Upper
244 100
212 6.2 5.8 8.6
122 11.8 8.5 12.7

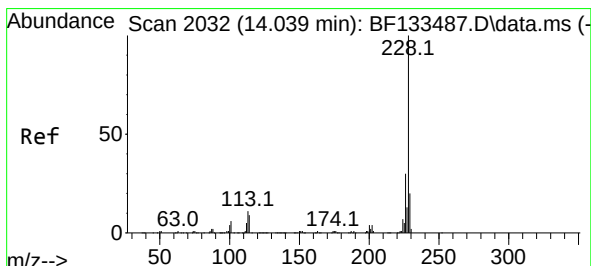
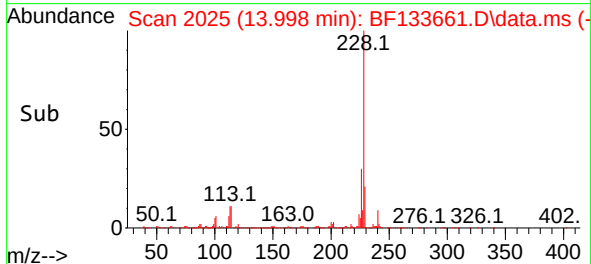
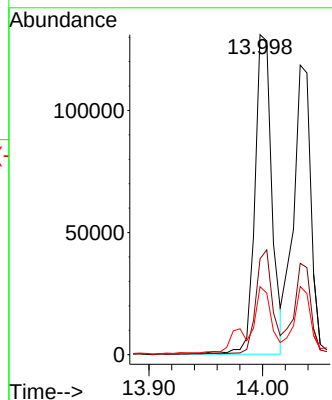
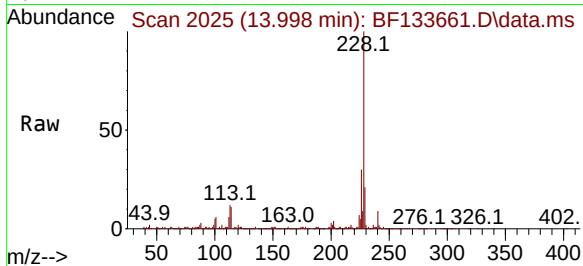




#81
Benzo(a)anthracene
Concen: 13.119 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF133661.D
Acq: 09 Jun 2023 02:33

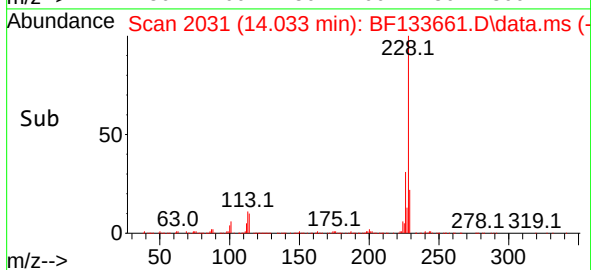
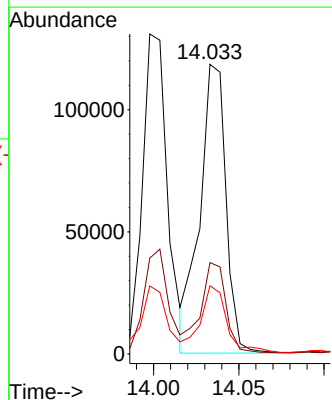
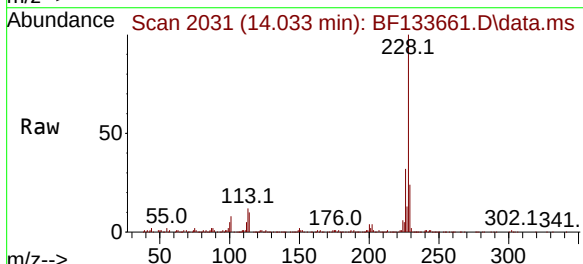
Instrument :
BNA_F
ClientSampleId :
SB03DL

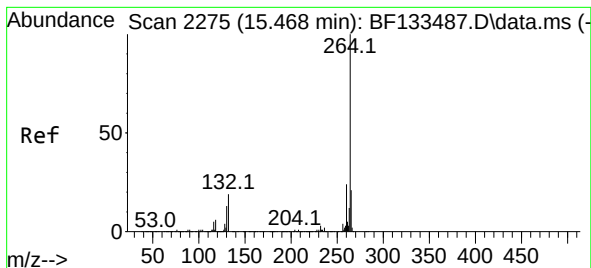
Tgt Ion:228 Resp: 135990
Ion Ratio Lower Upper
228 100
226 30.0 22.3 33.5
229 21.2 16.1 24.1



#83
Chrysene
Concen: 12.074 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.012 min
Lab File: BF133661.D
Acq: 09 Jun 2023 02:33

Tgt Ion:228 Resp: 126357
Ion Ratio Lower Upper
228 100
226 31.5 24.1 36.1
229 23.5 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: BF133661.D

Acq: 09 Jun 2023 02:33

Instrument :

BNA_F

ClientSampleId :

SB03DL

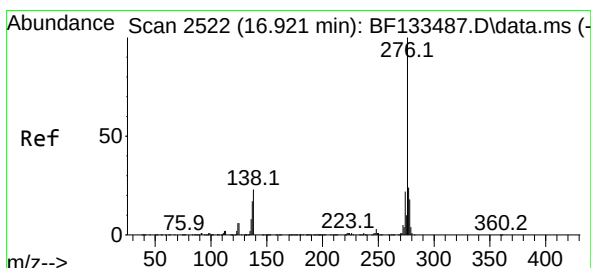
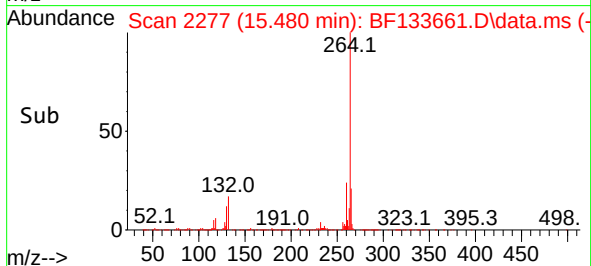
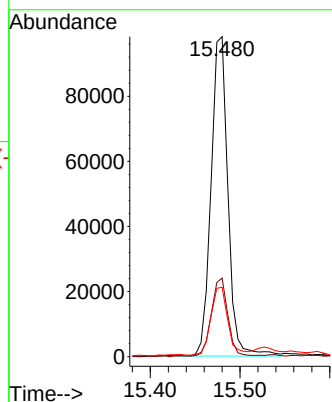
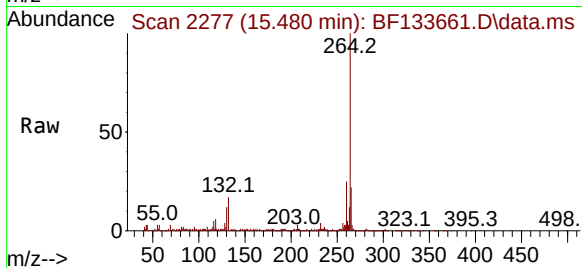
Tgt Ion:264 Resp: 128234

Ion Ratio Lower Upper

264 100

260 24.6 19.0 28.4

265 21.7 16.8 25.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.958 ng

RT: 16.939 min Scan# 2525

Delta R.T. -0.006 min

Lab File: BF133661.D

Acq: 09 Jun 2023 02:33

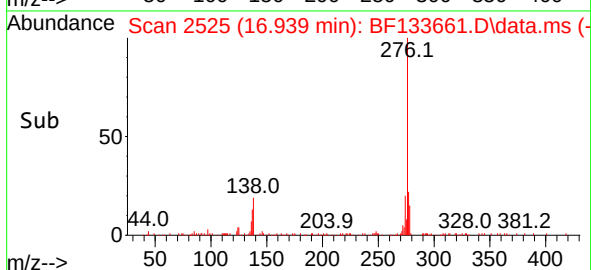
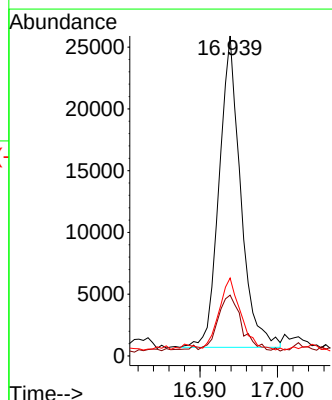
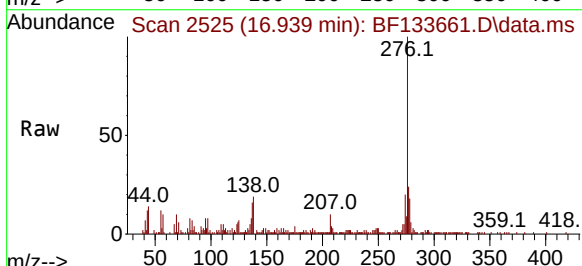
Tgt Ion:276 Resp: 48664

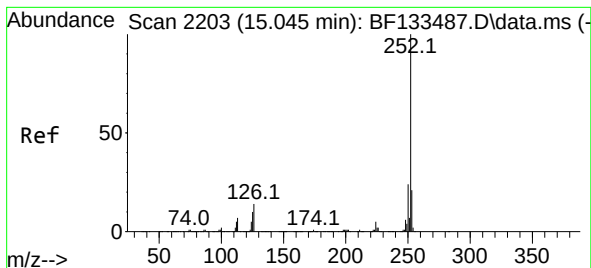
Ion Ratio Lower Upper

276 100

138 19.9 21.4 32.2#

277 23.3 20.0 30.0





#88

Benzo(b)fluoranthene

Concen: 21.606 ng

RT: 15.051 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF133661.D

Acq: 09 Jun 2023 02:33

Instrument :

BNA_F

ClientSampleId :

SB03DL

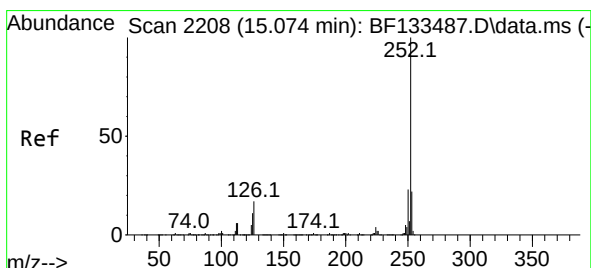
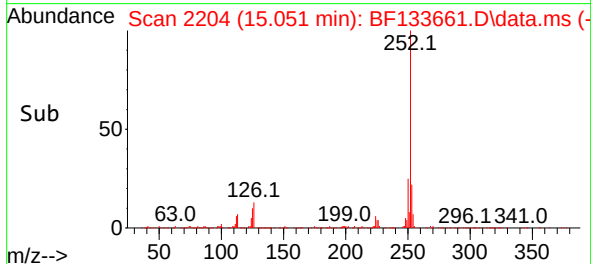
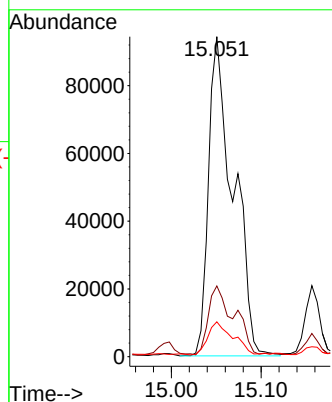
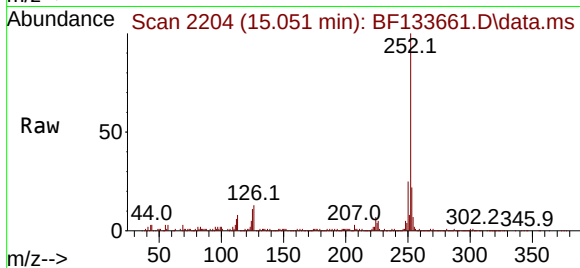
Tgt Ion:252 Resp: 180414

Ion Ratio Lower Upper

252 100

253 22.1 17.2 25.8

125 10.9 8.1 12.1



#89

Benzo(k)fluoranthene

Concen: 22.158 ng

RT: 15.051 min Scan# 2204

Delta R.T. -0.035 min

Lab File: BF133661.D

Acq: 09 Jun 2023 02:33

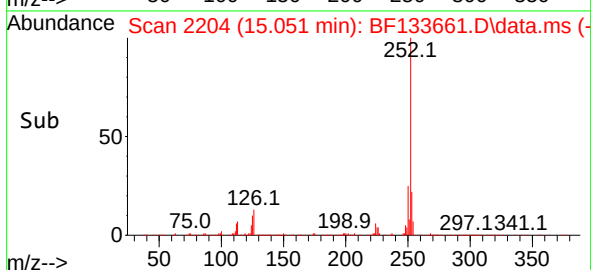
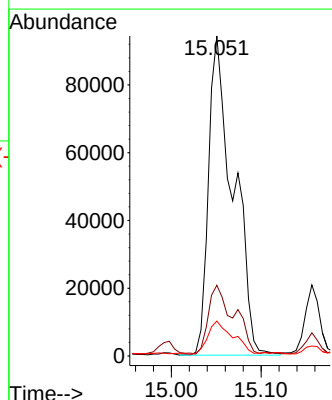
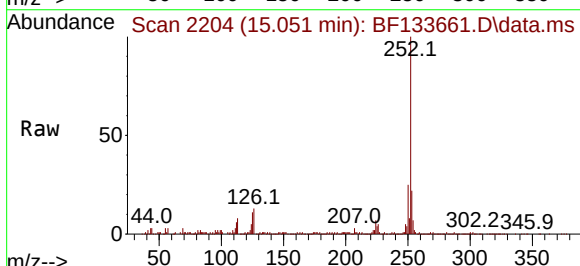
Tgt Ion:252 Resp: 180414

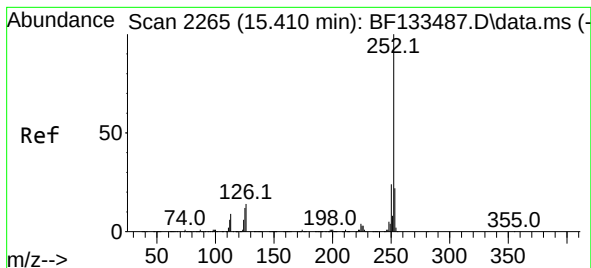
Ion Ratio Lower Upper

252 100

253 22.1 17.4 26.2

125 10.9 8.3 12.5





#90

Benzo(a)pyrene

Concen: 10.875 ng

RT: 15.415 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF133661.D

Acq: 09 Jun 2023 02:33

Instrument :

BNA_F

ClientSampleId :

SB03DL

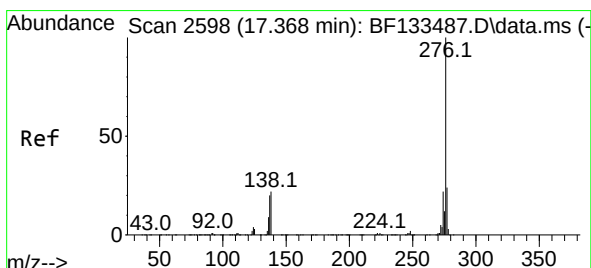
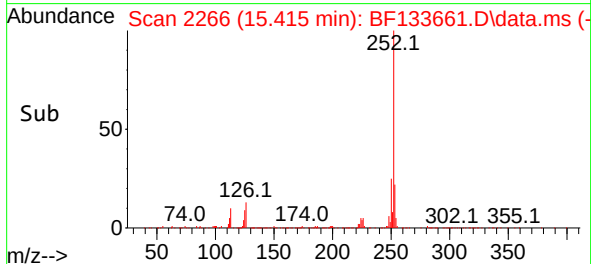
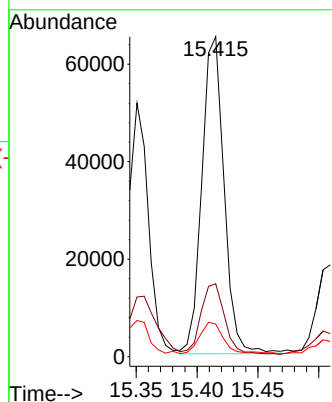
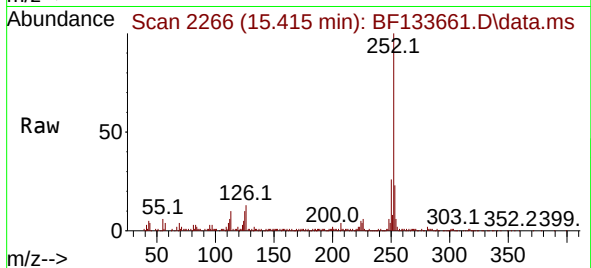
Tgt Ion:252 Resp: 82634

Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.0

125 10.2 9.4 14.0



#92

Benzo(g,h,i)perylene

Concen: 6.419 ng

RT: 17.386 min Scan# 2601

Delta R.T. -0.006 min

Lab File: BF133661.D

Acq: 09 Jun 2023 02:33

Tgt Ion:276 Resp: 42862

Ion Ratio Lower Upper

276 100

277 23.1 18.8 28.2

138 18.4 17.8 26.6

