

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050323\
 Data File : BF133219.D
 Acq On : 03 May 2023 21:23
 Operator : CG\JU
 Sample : 02584-01 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-050123

Quant Time: May 04 01:42:00 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 03 17:31:52 2023
 Response via : Initial Calibration

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

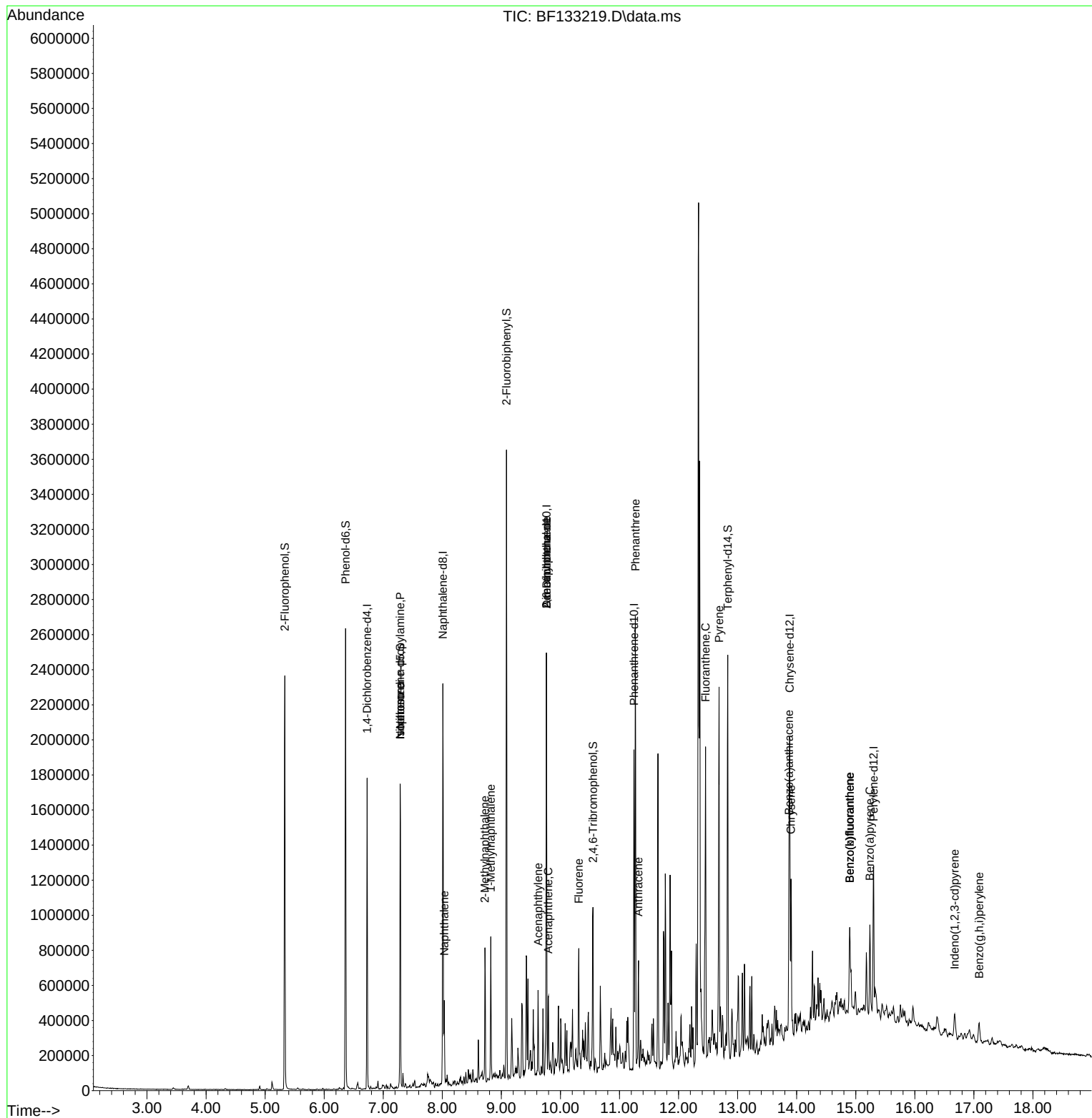
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.728	152	221028	20.000	ng	0.00
21) Naphthalene-d8	8.010	136	888207	20.000	ng	0.00
39) Acenaphthene-d10	9.763	164	431445	20.000	ng	0.00
64) Phenanthrene-d10	11.245	188	614549	20.000	ng	0.00
76) Chrysene-d12	13.880	240	421682	20.000	ng	-0.01
86) Perylene-d12	15.304	264	369768	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	650254	44.441	ng	0.00
7) Phenol-d6	6.363	99	800499	44.078	ng	-0.01
23) Nitrobenzene-d5	7.286	82	507021	30.812	ng	-0.01
42) 2,4,6-Tribromophenol	10.551	330	93641	21.581	ng	0.00
45) 2-Fluorobiphenyl	9.086	172	971168	37.659	ng	0.00
79) Terphenyl-d14	12.833	244	724766	29.643	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.275	77	623	Below Cal	#	55
19) n-Nitroso-di-n-propyla...	7.286	70	68459	6.055	ng	# 78
25) Isophorone	7.286	82	505038	16.165	ng	# 63
31) Naphthalene	8.033	128	168719	3.799	ng	98
37) 2-Methylnaphthalene	8.722	142	185980	6.126	ng	98
38) 1-Methylnaphthalene	8.822	142	173762	6.118	ng	97
49) Acenaphthylene	9.622	152	88799	2.219	ng	# 92
50) Dimethylphthalate	9.763	163	85632	2.846	ng	# 1
51) 2,6-Dinitrotoluene	9.763	165	64163	9.476	ng	# 25
52) Acenaphthene	9.792	154	91017	3.396	ng	100
58) Fluorene	10.310	166	164421	6.139	ng	100
71) Phenanthrene	11.269	178	874980	26.490	ng	99
72) Anthracene	11.321	178	216870	6.416	ng	99
75) Fluoranthene	12.457	202	619087	18.676	ng	97
78) Pyrene	12.686	202	819454	22.669	ng	100
81) Benzo(a)anthracene	13.868	228	340473	11.741	ng	93
83) Chrysene	13.904	228	337046	11.626	ng	97
87) Indeno(1,2,3-cd)pyrene	16.674	276	83599	3.975	ng	96
88) Benzo(b)fluoranthene	14.898	252	346740	14.740	ng	97
89) Benzo(k)fluoranthene	14.898	252	346740	14.869	ng	97
90) Benzo(a)pyrene	15.239	252	228216	10.658	ng	98
92) Benzo(g,h,i)perylene	17.092	276	88968	5.137	ng	95

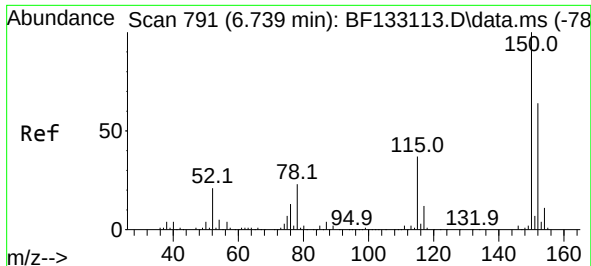
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :
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Quant Time: May 04 01:42:00 2023
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 03 17:31:52 2023
Response via : Initial Calibration

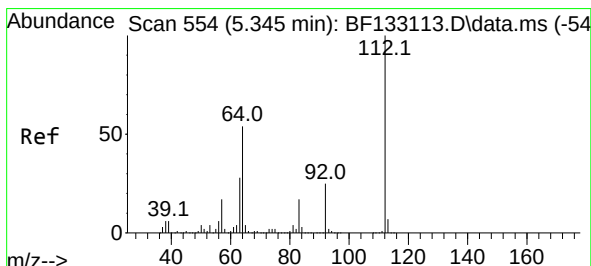
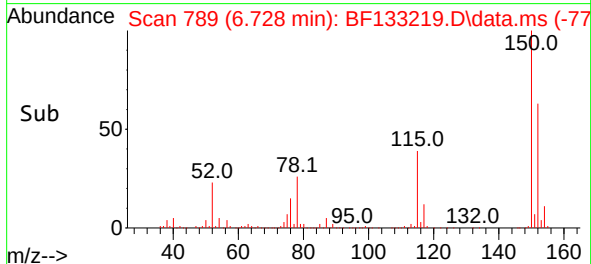
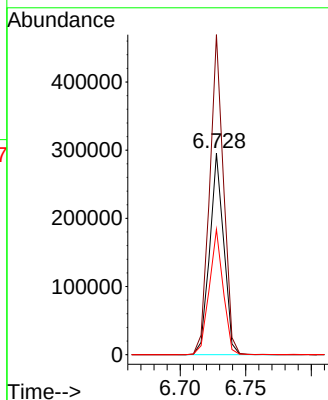
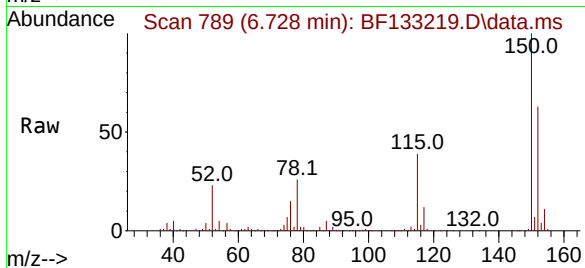




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.728 min Scan# 791
 Delta R.T. -0.006 min
 Lab File: BF133219.D
 Acq: 03 May 2023 21:23

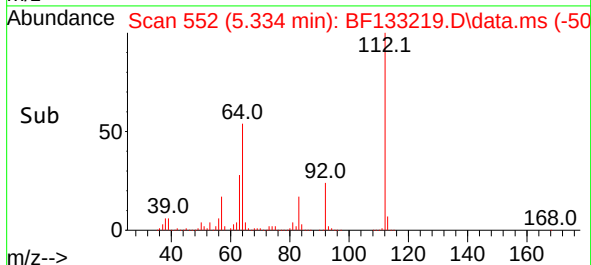
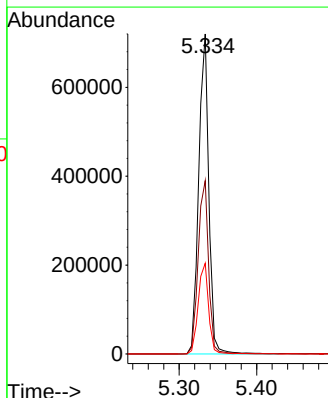
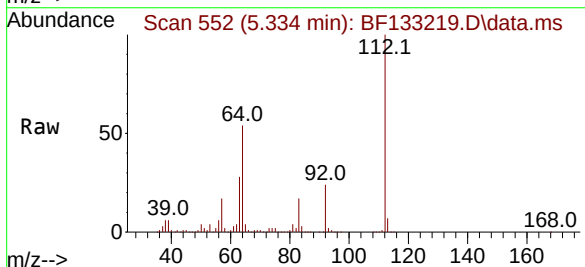
Instrument :
 BNA_F
 ClientSampleId :
 TR-05-050123

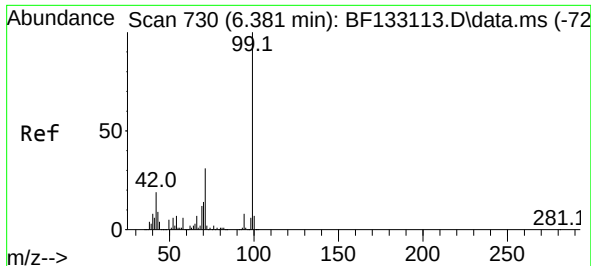
Tgt Ion:152 Resp: 221028
 Ion Ratio Lower Upper
 152 100
 150 158.8 124.8 187.2
 115 62.1 49.9 74.9



#5
 2-Fluorophenol
 Concen: 44.441 ng
 RT: 5.334 min Scan# 552
 Delta R.T. -0.006 min
 Lab File: BF133219.D
 Acq: 03 May 2023 21:23

Tgt Ion:112 Resp: 650254
 Ion Ratio Lower Upper
 112 100
 64 54.2 46.8 70.2
 63 28.3 23.8 35.8

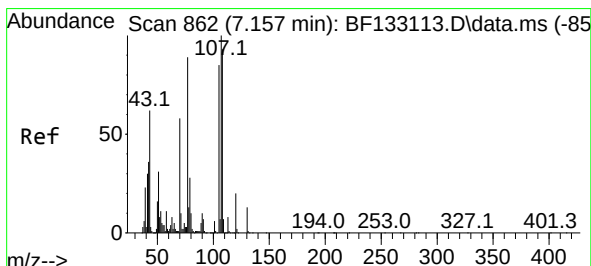
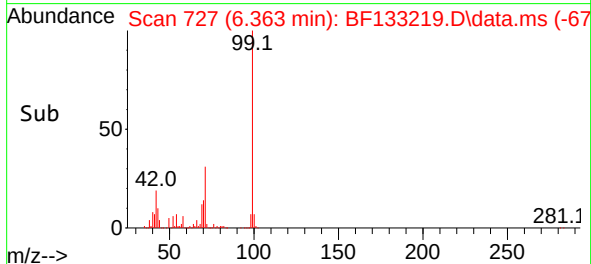
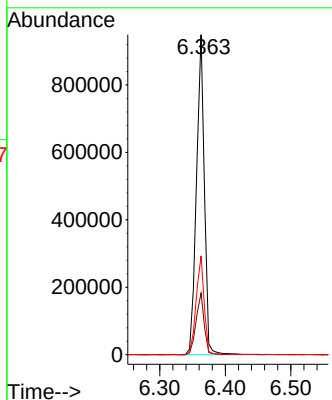
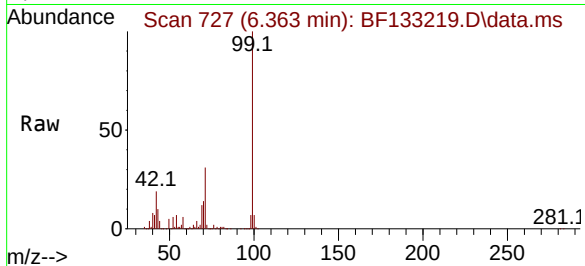




#7
Phenol-d6
Concen: 44.078 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF133219.D
Acq: 03 May 2023 21:23

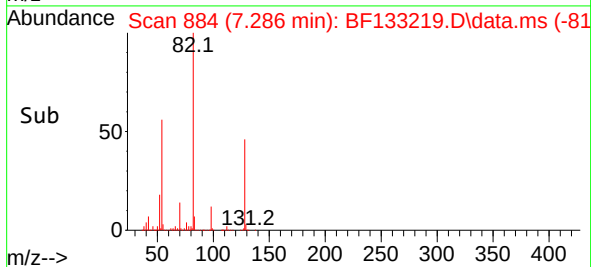
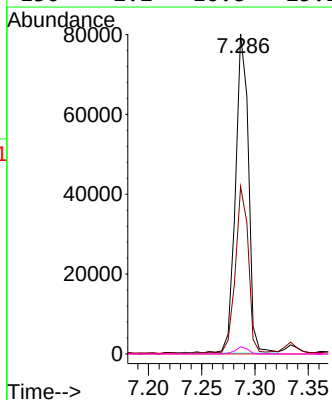
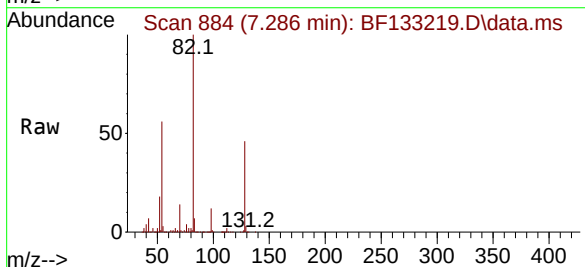
Instrument :
BNA_F
ClientSampleId :
TR-05-050123

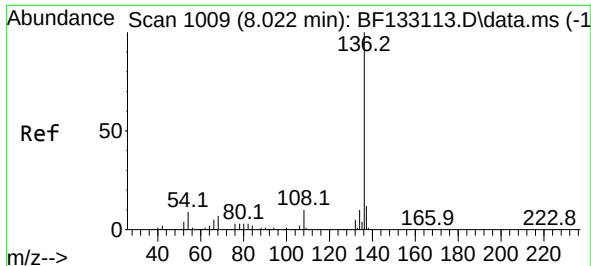
Tgt Ion: 99 Resp: 800499
Ion Ratio Lower Upper
99 100
42 19.3 16.3 24.5
71 30.9 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 6.055 ng
RT: 7.286 min Scan# 884
Delta R.T. 0.135 min
Lab File: BF133219.D
Acq: 03 May 2023 21:23

Tgt Ion: 70 Resp: 68459
Ion Ratio Lower Upper
70 100
42 52.4 51.8 77.6
101 0.0 8.0 12.0#
130 2.2 16.8 25.2#



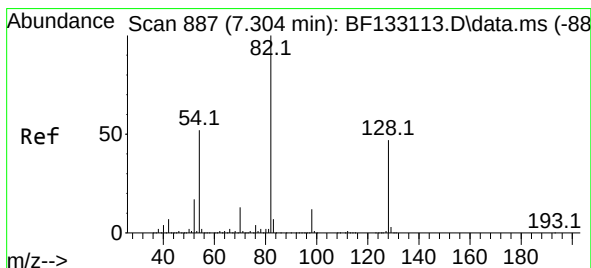
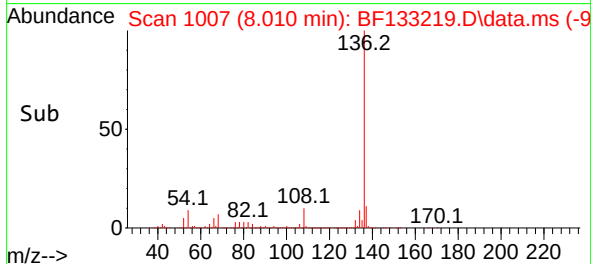
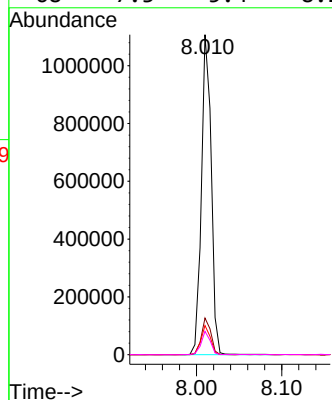
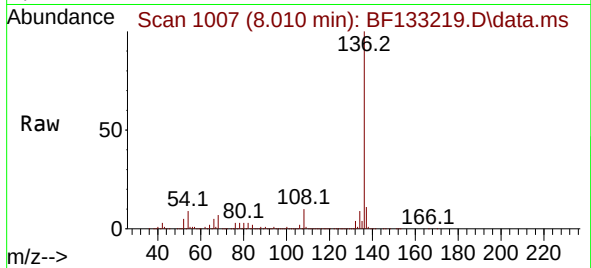


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.010 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BF133219.D
Acq: 03 May 2023 21:23

Instrument :
BNA_F
ClientSampleId :
TR-05-050123

Tgt Ion:136 Resp: 888207

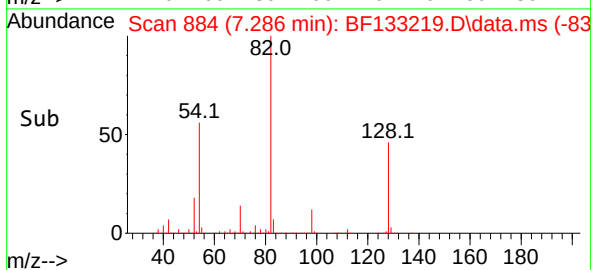
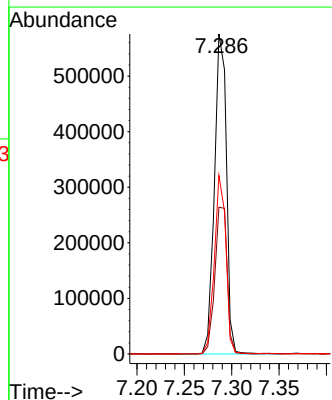
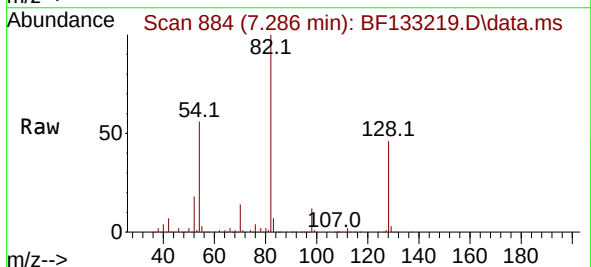
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.6	13.0
54	9.1	7.0	10.4
68	7.3	5.4	8.2

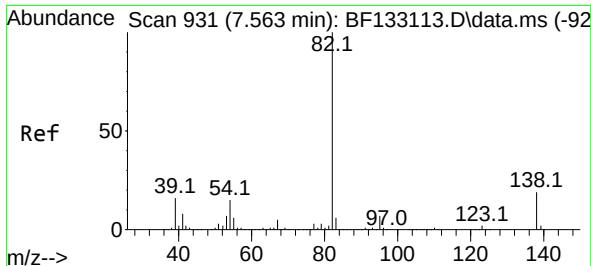


#23
Nitrobenzene-d5
Concen: 30.812 ng
RT: 7.286 min Scan# 884
Delta R.T. -0.012 min
Lab File: BF133219.D
Acq: 03 May 2023 21:23

Tgt Ion: 82 Resp: 507021

Ion	Ratio	Lower	Upper
82	100		
128	45.9	37.7	56.5
54	55.8	43.0	64.4

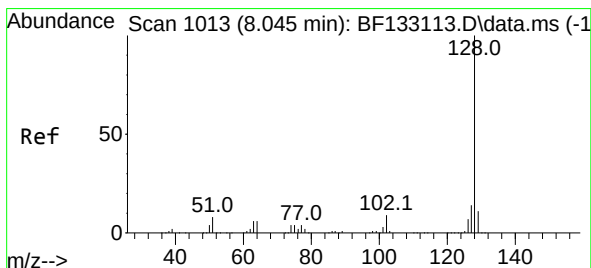
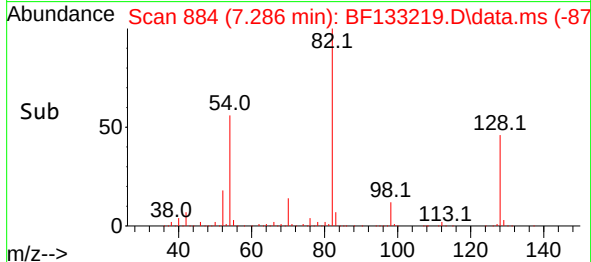
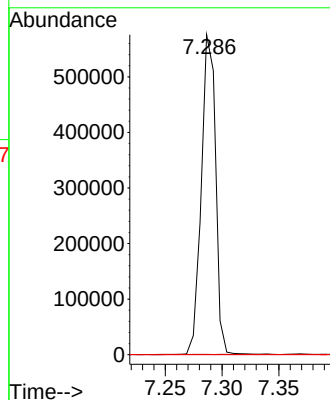
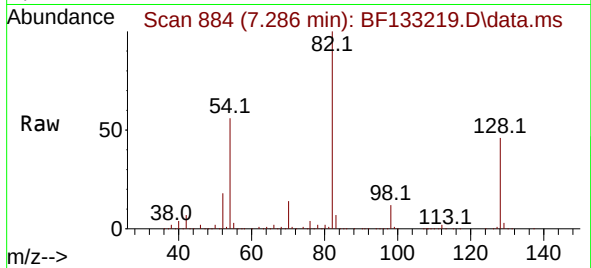




#25
Isophorone
Concen: 16.165 ng
RT: 7.286 min Scan# 81
Delta R.T. -0.271 min
Lab File: BF133219.D
Acq: 03 May 2023 21:23

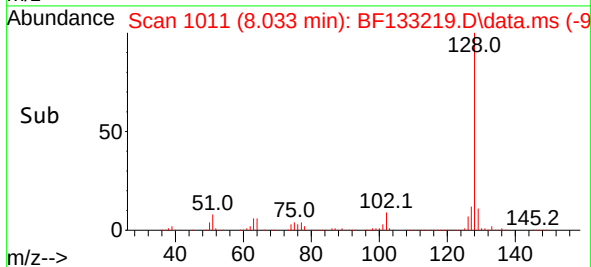
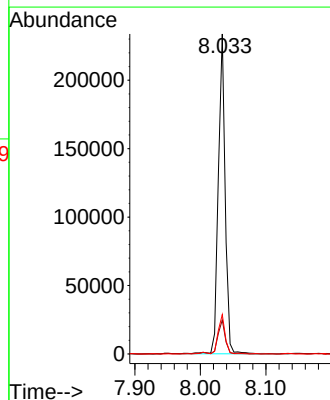
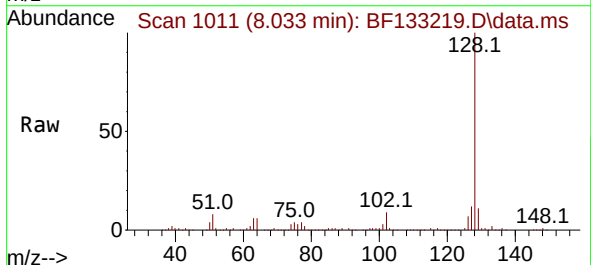
Instrument :
BNA_F
ClientSampleId :
TR-05-050123

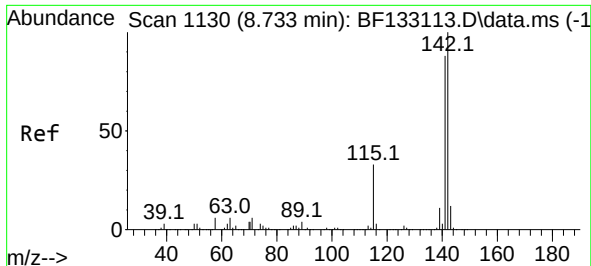
Tgt Ion: 82 Resp: 505038
Ion Ratio Lower Upper
82 100
95 0.1 5.4 8.0#
138 0.0 16.0 24.0#



#31
Naphthalene
Concen: 3.799 ng
RT: 8.033 min Scan# 1011
Delta R.T. -0.006 min
Lab File: BF133219.D
Acq: 03 May 2023 21:23

Tgt Ion: 128 Resp: 168719
Ion Ratio Lower Upper
128 100
129 10.6 8.8 13.2
127 12.3 10.7 16.1





#37

2-Methylnaphthalene

Concen: 6.126 ng

RT: 8.722 min Scan# 1128

Delta R.T. -0.006 min

Lab File: BF133219.D

Acq: 03 May 2023 21:23

Instrument :

BNA_F

ClientSampleId :

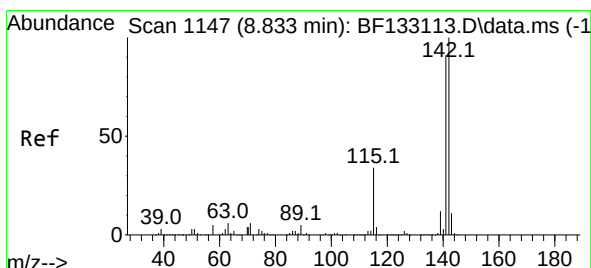
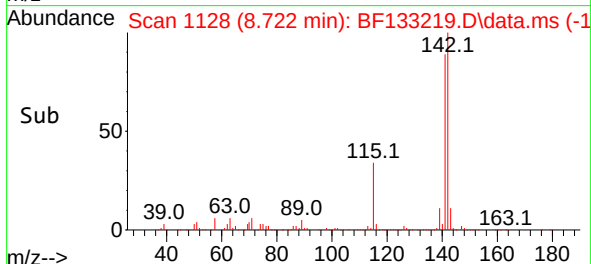
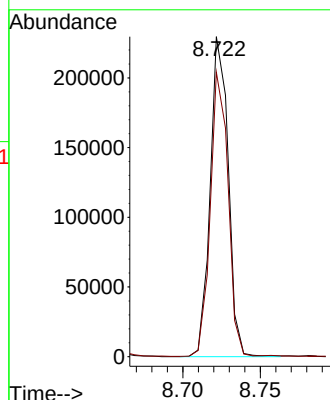
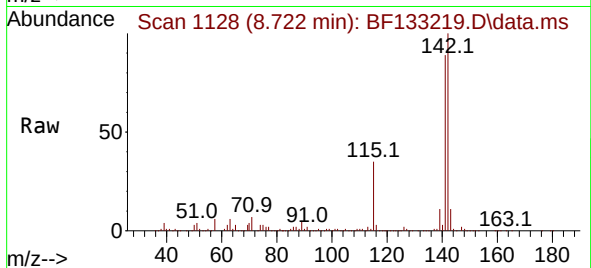
TR-05-050123

Tgt Ion:142 Resp: 185980

Ion Ratio Lower Upper

142 100

141 88.9 69.4 104.0



#38

1-Methylnaphthalene

Concen: 6.118 ng

RT: 8.822 min Scan# 1145

Delta R.T. -0.006 min

Lab File: BF133219.D

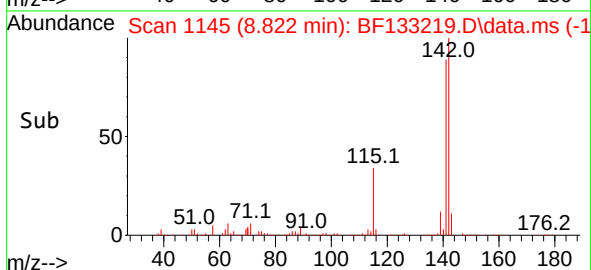
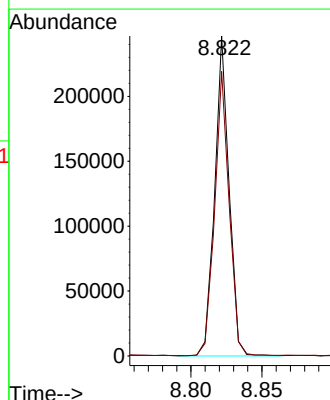
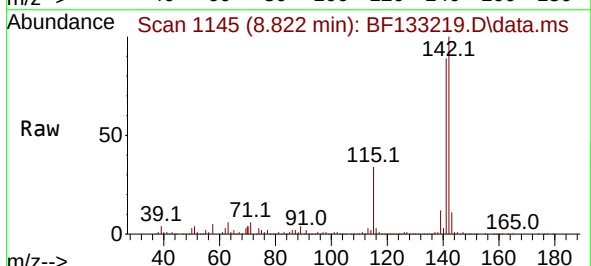
Acq: 03 May 2023 21:23

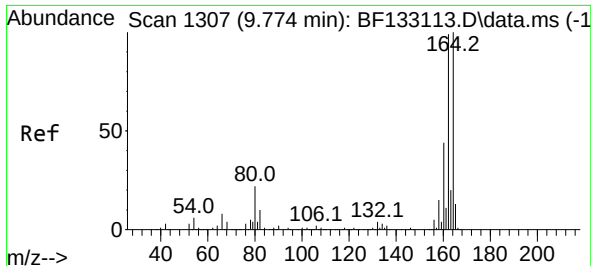
Tgt Ion:142 Resp: 173762

Ion Ratio Lower Upper

142 100

141 88.9 73.1 109.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.763 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133219.D

Acq: 03 May 2023 21:23

Instrument :

BNA_F

ClientSampleId :

TR-05-050123

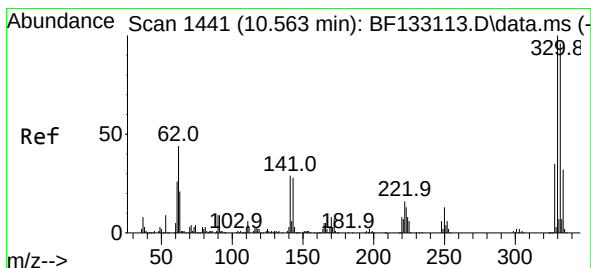
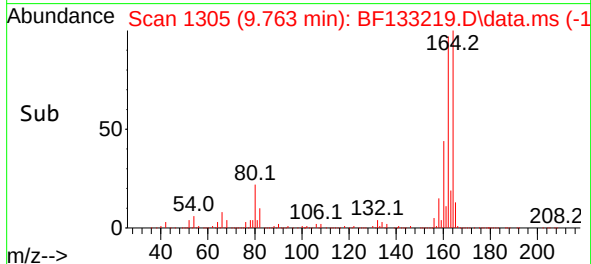
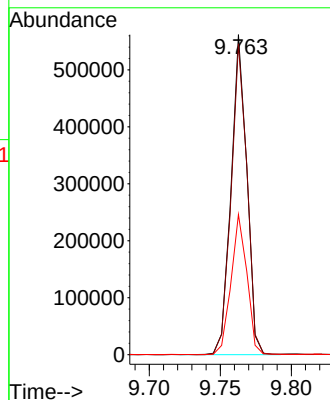
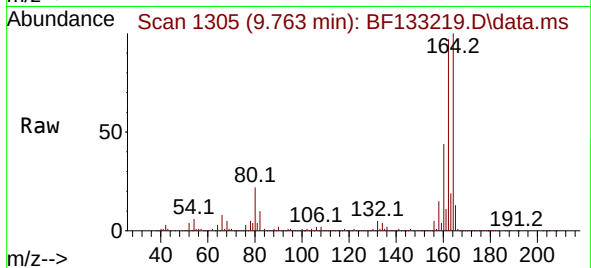
Tgt Ion:164 Resp: 431445

Ion Ratio Lower Upper

164 100

162 97.1 78.7 118.1

160 43.8 35.8 53.6



#42

2,4,6-Tribromophenol

Concen: 21.581 ng

RT: 10.551 min Scan# 1439

Delta R.T. -0.006 min

Lab File: BF133219.D

Acq: 03 May 2023 21:23

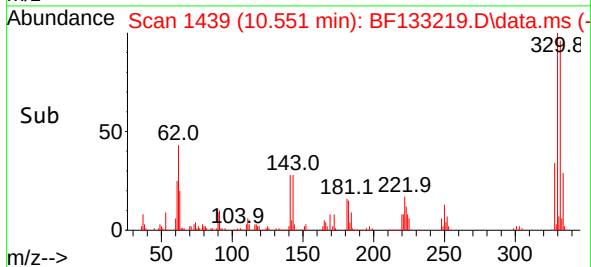
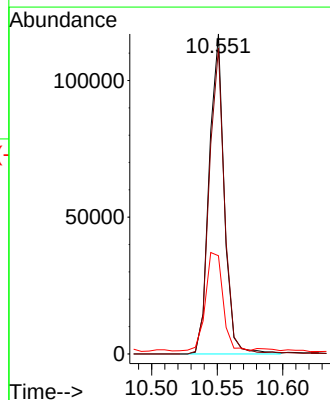
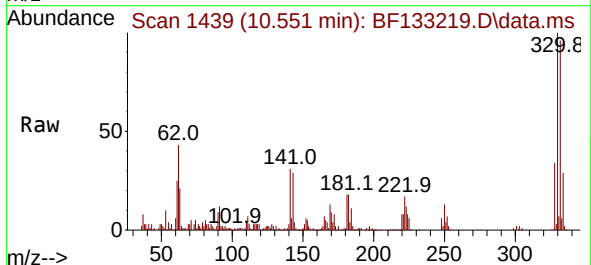
Tgt Ion:330 Resp: 93641

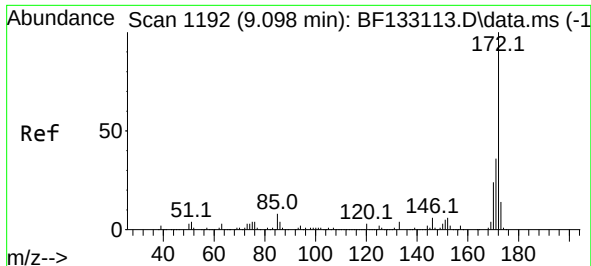
Ion Ratio Lower Upper

330 100

332 96.3 77.1 115.7

141 35.6 25.8 38.8





#45

2-Fluorobiphenyl

Concen: 37.659 ng

RT: 9.086 min Scan# 1192

Delta R.T. -0.006 min

Lab File: BF133219.D

Acq: 03 May 2023 21:23

Instrument :

BNA_F

ClientSampleId :

TR-05-050123

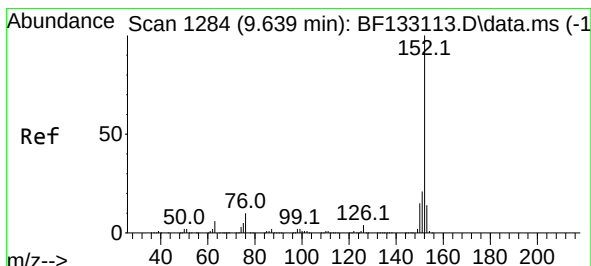
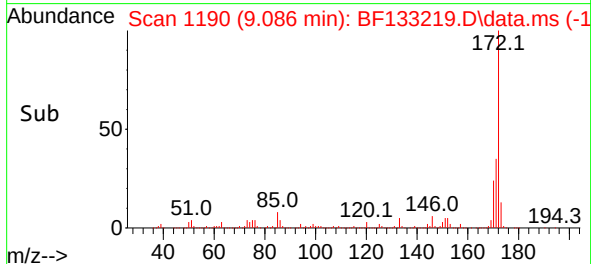
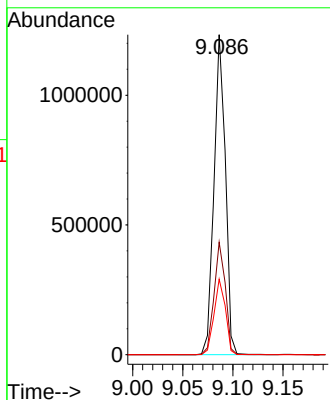
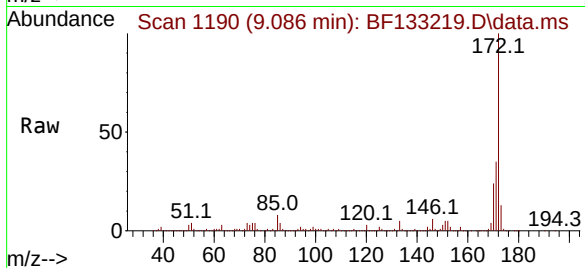
Tgt Ion:172 Resp: 971168

Ion Ratio Lower Upper

172 100

171 35.1 28.8 43.2

170 23.6 19.4 29.2



#49

Acenaphthylene

Concen: 2.219 ng

RT: 9.622 min Scan# 1281

Delta R.T. -0.012 min

Lab File: BF133219.D

Acq: 03 May 2023 21:23

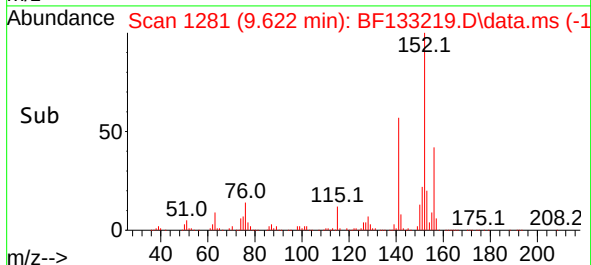
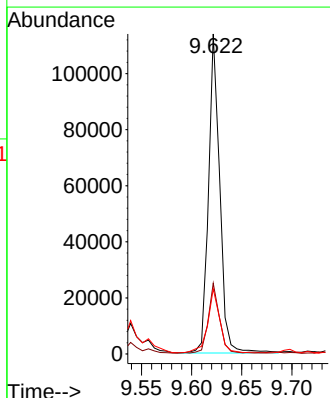
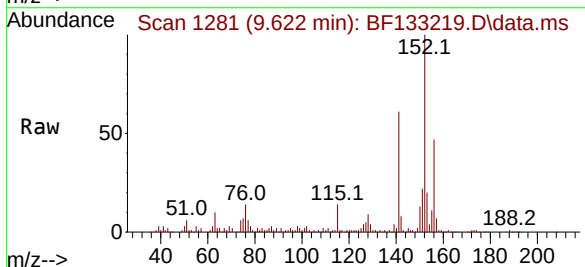
Tgt Ion:152 Resp: 88799

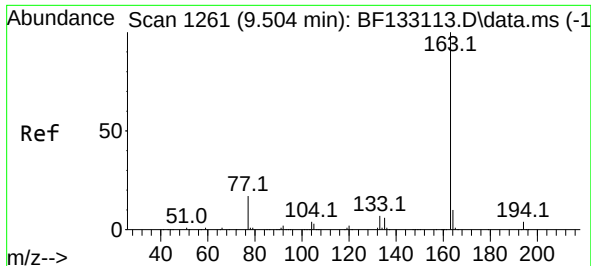
Ion Ratio Lower Upper

152 100

151 22.1 16.6 24.8

153 20.4 11.5 17.3#

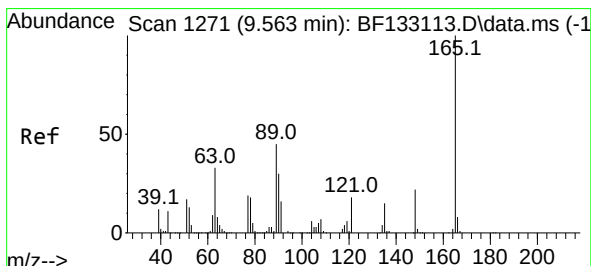
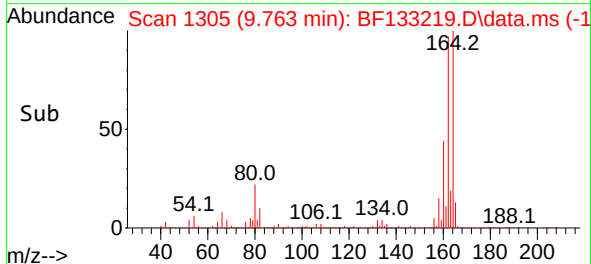
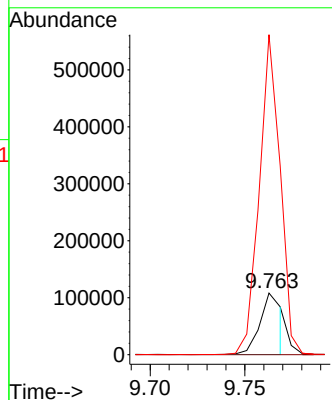
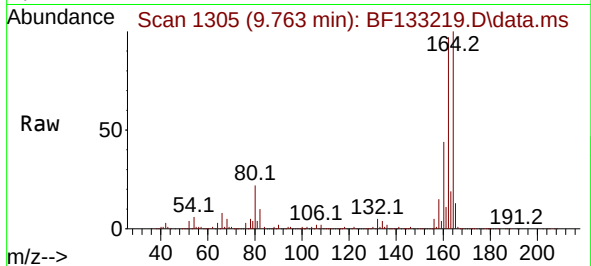




#50
Dimethylphthalate
Concen: 2.846 ng
RT: 9.763 min Scan# 1305
Delta R.T. 0.264 min
Lab File: BF133219.D
Acq: 03 May 2023 21:23

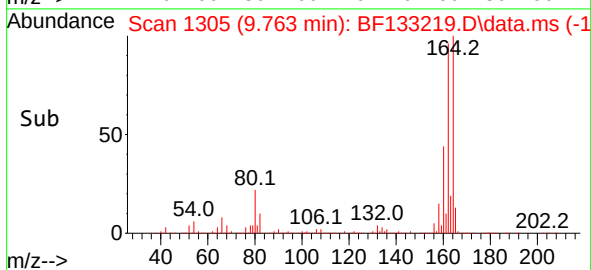
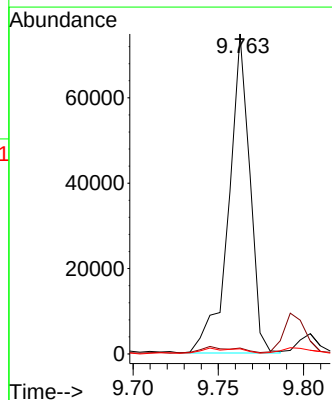
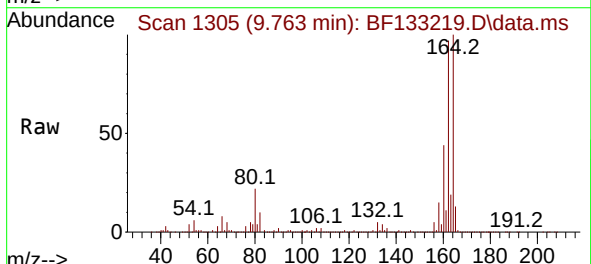
Instrument :
BNA_F
ClientSampleId :
TR-05-050123

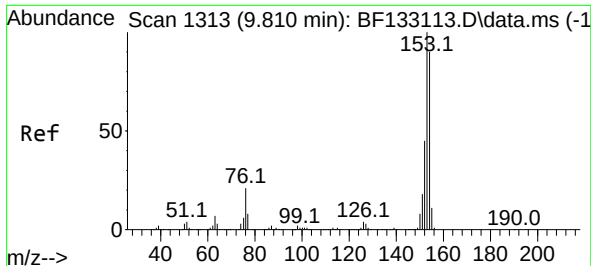
Tgt Ion:163 Resp: 85632
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 519.7 8.5 12.7#



#51
2,6-Dinitrotoluene
Concen: 9.476 ng
RT: 9.763 min Scan# 1305
Delta R.T. 0.205 min
Lab File: BF133219.D
Acq: 03 May 2023 21:23

Tgt Ion:165 Resp: 64163
Ion Ratio Lower Upper
165 100
63 1.8 45.9 68.9#
89 1.6 44.0 66.0#

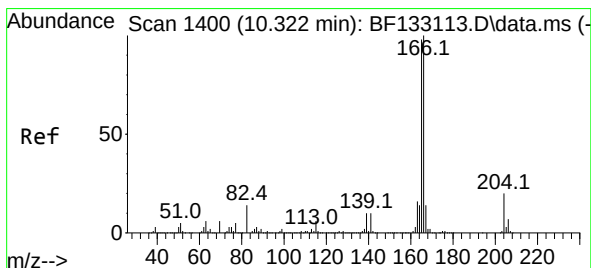
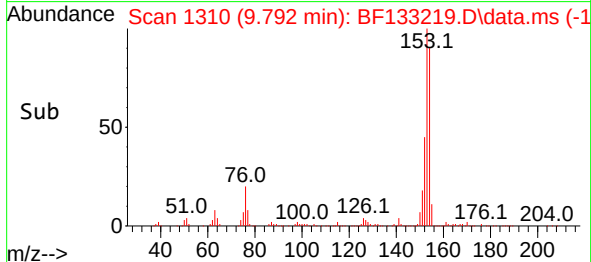
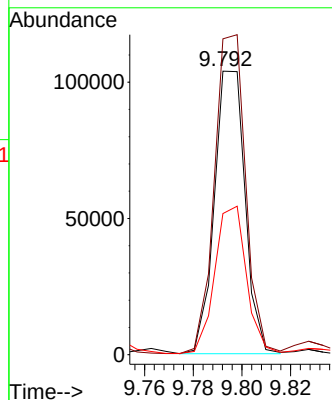
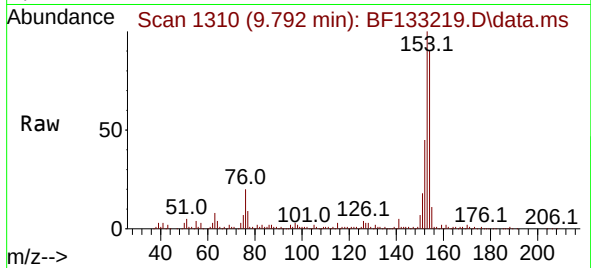




#52
Acenaphthene
Concen: 3.396 ng
RT: 9.792 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF133219.D
Acq: 03 May 2023 21:23

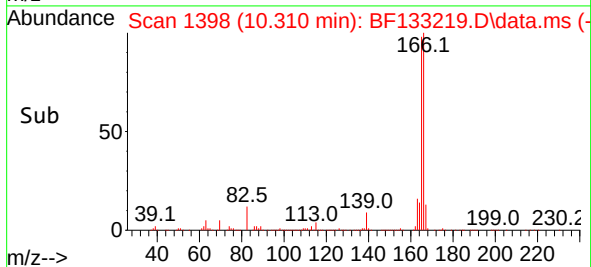
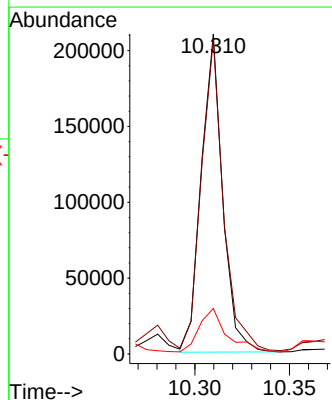
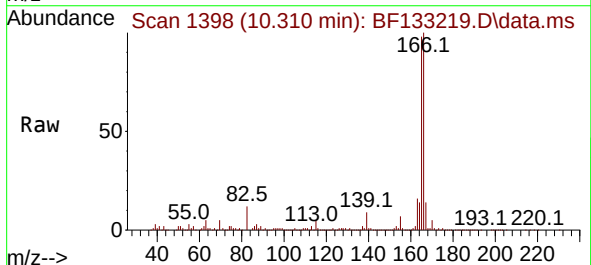
Instrument :
BNA_F
ClientSampleId :
TR-05-050123

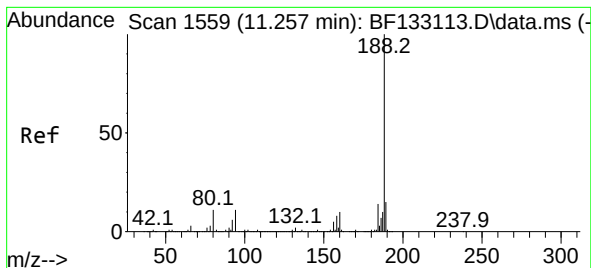
Tgt Ion:154 Resp: 91017
Ion Ratio Lower Upper
154 100
153 111.4 89.0 133.6
152 49.8 40.4 60.6



#58
Fluorene
Concen: 6.139 ng
RT: 10.310 min Scan# 1398
Delta R.T. -0.006 min
Lab File: BF133219.D
Acq: 03 May 2023 21:23

Tgt Ion:166 Resp: 164421
Ion Ratio Lower Upper
166 100
165 98.4 78.6 117.8
167 14.2 11.0 16.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.245 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF133219.D

Acq: 03 May 2023 21:23

Instrument :

BNA_F

ClientSampleId :

TR-05-050123

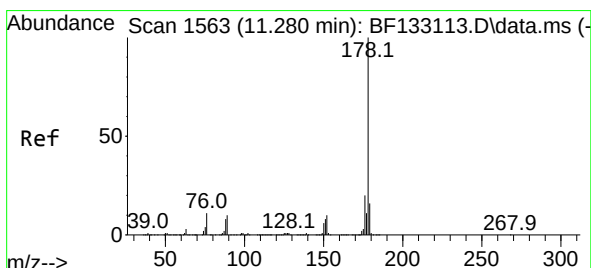
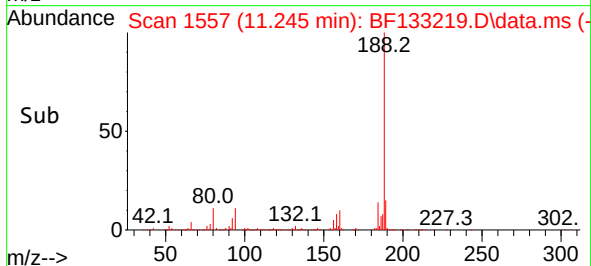
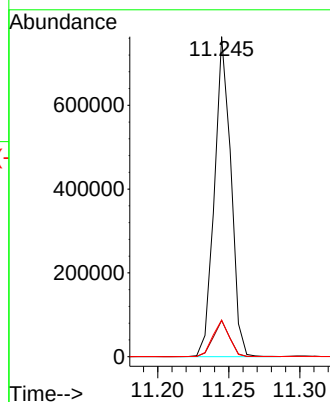
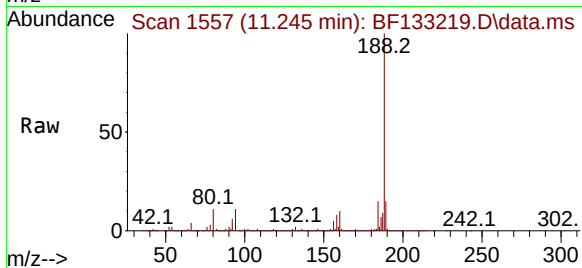
Tgt Ion:188 Resp: 614549

Ion Ratio Lower Upper

188 100

94 11.3 9.7 14.5

80 11.5 10.4 15.6



#71

Phenanthrene

Concen: 26.490 ng

RT: 11.269 min Scan# 1561

Delta R.T. -0.006 min

Lab File: BF133219.D

Acq: 03 May 2023 21:23

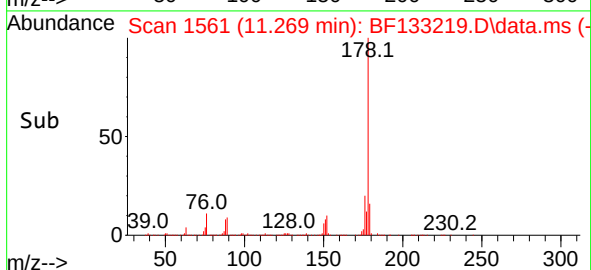
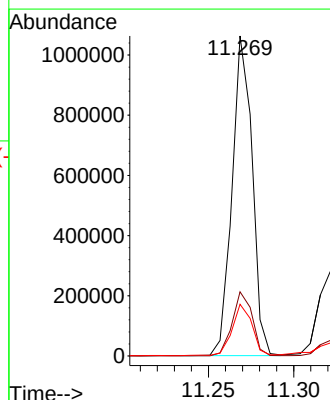
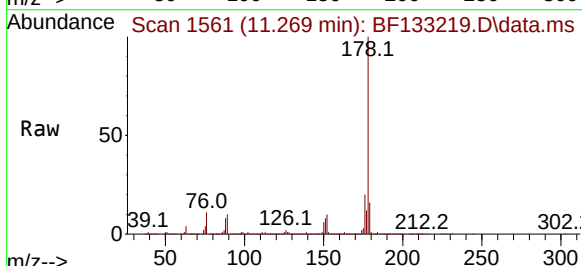
Tgt Ion:178 Resp: 874980

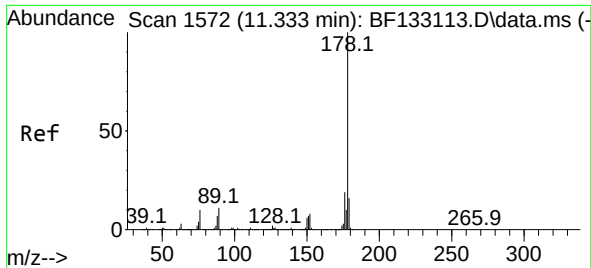
Ion Ratio Lower Upper

178 100

176 20.1 15.9 23.9

179 16.1 12.5 18.7

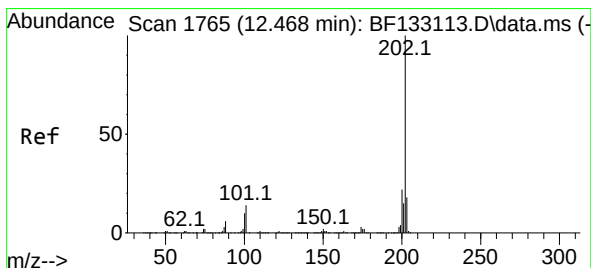
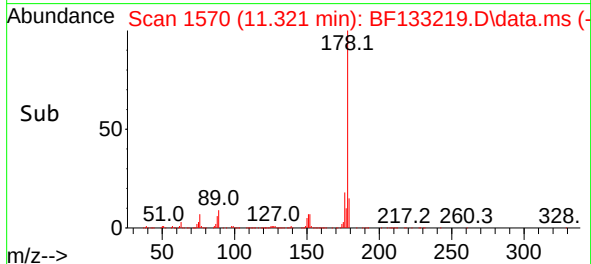
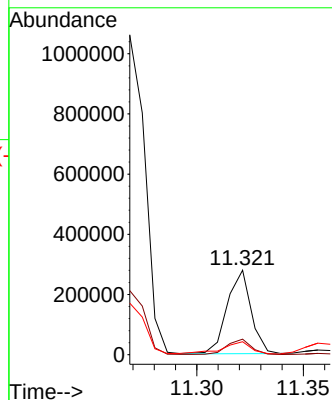
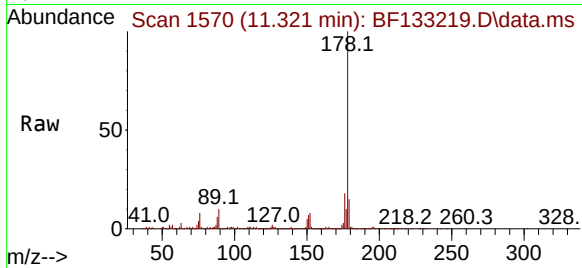




#72
 Anthracene
 Concen: 6.416 ng
 RT: 11.321 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF133219.D
 Acq: 03 May 2023 21:23

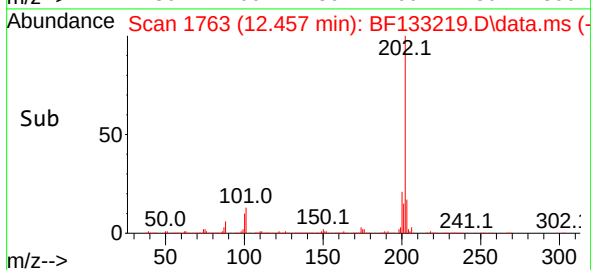
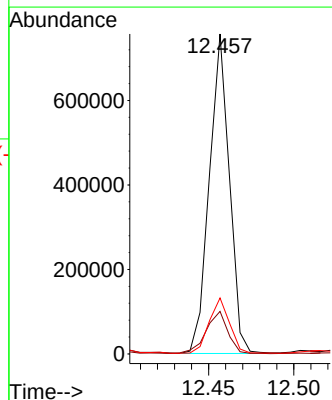
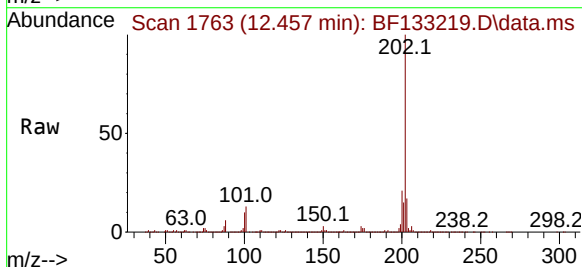
Instrument :
 BNA_F
 ClientSampleId :
 TR-05-050123

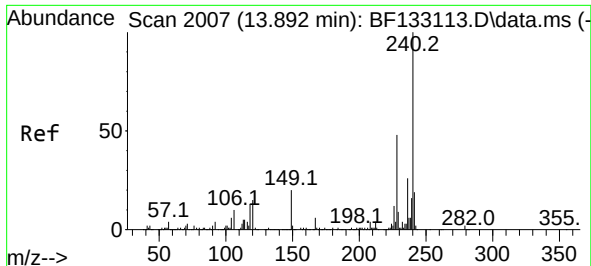
Tgt Ion:178 Resp: 216870
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.4 23.0
 179 15.5 12.4 18.6



#75
 Fluoranthene
 Concen: 18.676 ng
 RT: 12.457 min Scan# 1763
 Delta R.T. -0.006 min
 Lab File: BF133219.D
 Acq: 03 May 2023 21:23

Tgt Ion:202 Resp: 619087
 Ion Ratio Lower Upper
 202 100
 101 13.3 0.0 35.3
 203 17.5 0.0 38.1

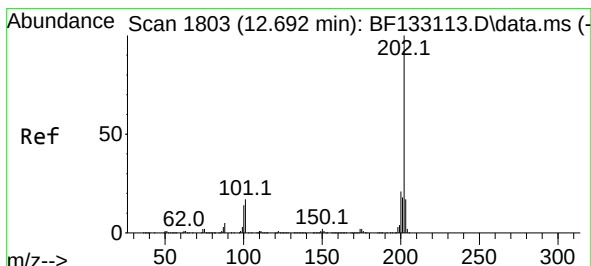
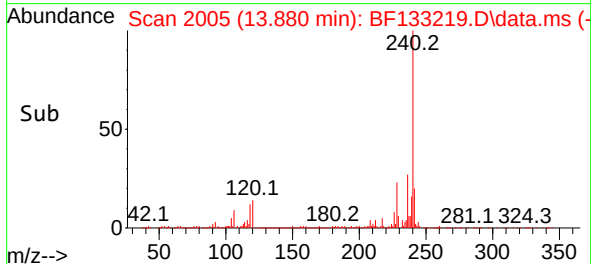
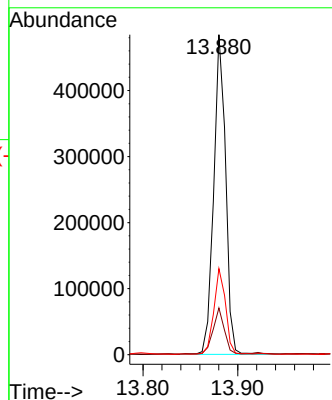
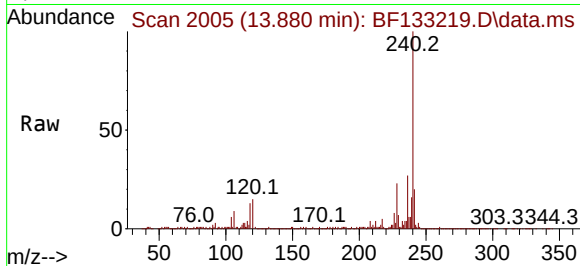




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.880 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF133219.D
Acq: 03 May 2023 21:23

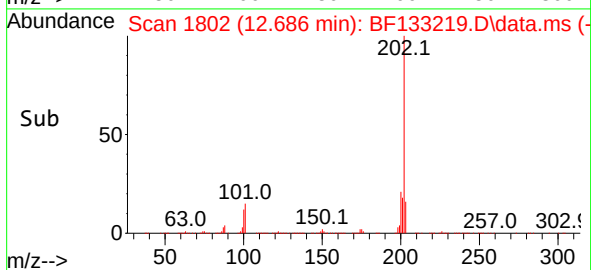
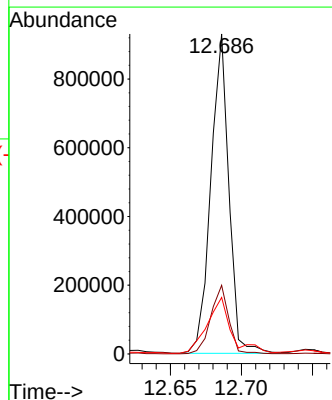
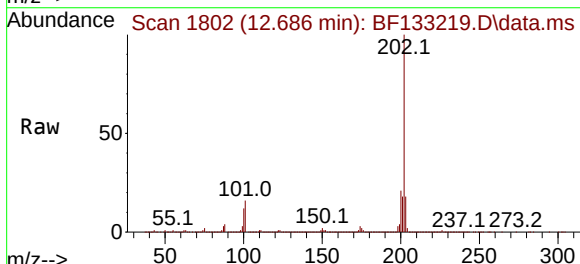
Instrument :
BNA_F
ClientSampleId :
TR-05-050123

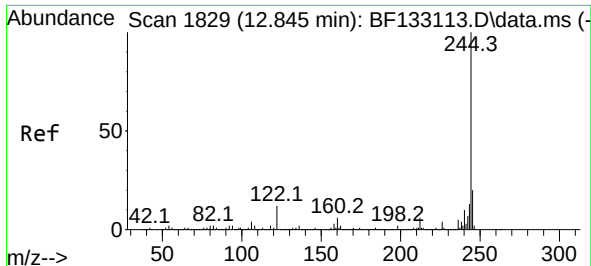
Tgt Ion:240 Resp: 421682
Ion Ratio Lower Upper
240 100
120 14.6 10.5 15.7
236 26.9 21.5 32.3



#78
Pyrene
Concen: 22.669 ng
RT: 12.686 min Scan# 1802
Delta R.T. -0.006 min
Lab File: BF133219.D
Acq: 03 May 2023 21:23

Tgt Ion:202 Resp: 819454
Ion Ratio Lower Upper
202 100
200 21.4 17.1 25.7
203 17.7 14.1 21.1

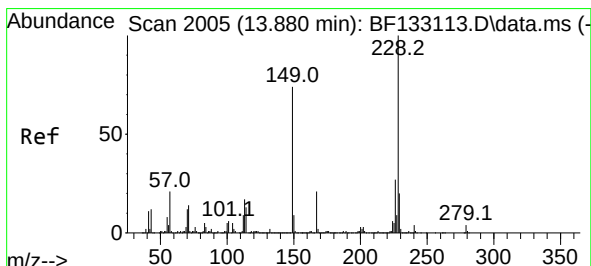
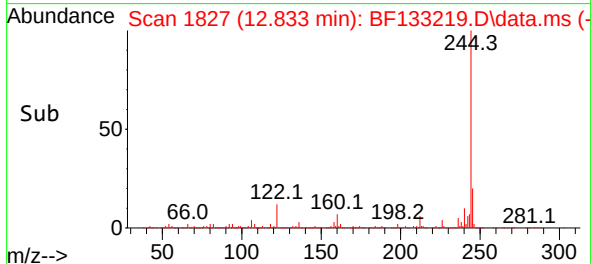
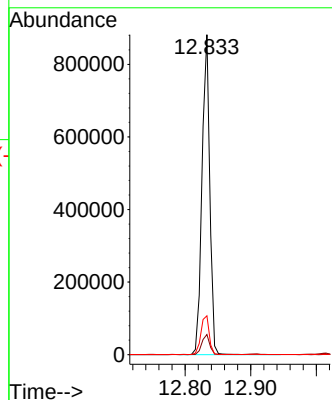
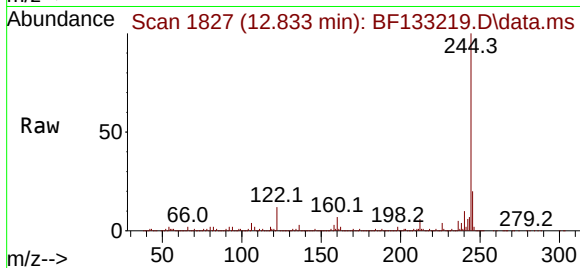




#79
 Terphenyl-d14
 Concen: 29.643 ng
 RT: 12.833 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF133219.D
 Acq: 03 May 2023 21:23

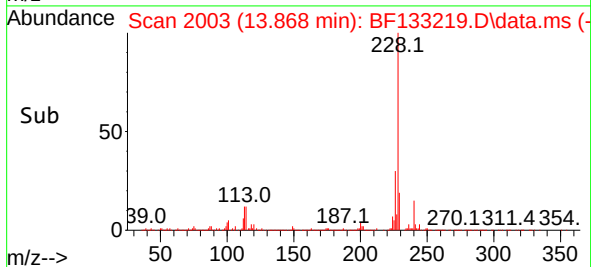
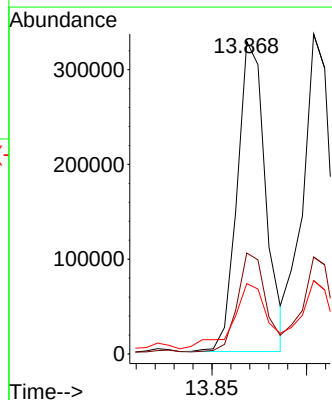
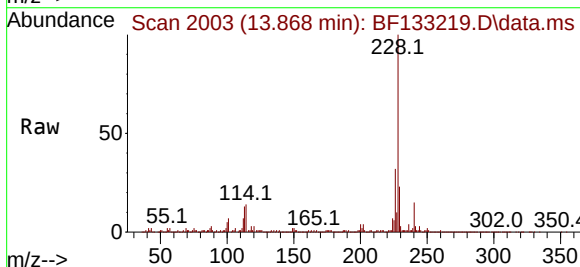
Instrument :
 BNA_F
 ClientSampleId :
 TR-05-050123

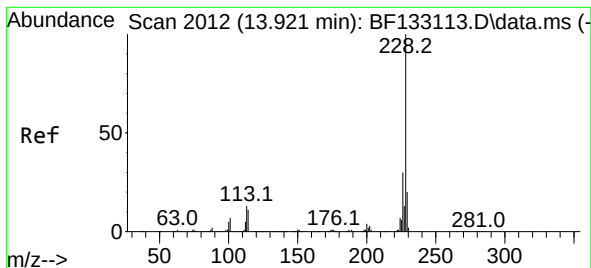
Tgt Ion:244 Resp: 724766
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.1 7.7
 122 12.1 8.6 13.0



#81
 Benzo(a)anthracene
 Concen: 11.741 ng
 RT: 13.868 min Scan# 2003
 Delta R.T. -0.012 min
 Lab File: BF133219.D
 Acq: 03 May 2023 21:23

Tgt Ion:228 Resp: 340473
 Ion Ratio Lower Upper
 228 100
 226 32.3 22.2 33.4
 229 22.5 16.0 24.0





#83

Chrysene

Concen: 11.626 ng

RT: 13.904 min Scan# 2012

Delta R.T. -0.012 min

Lab File: BF133219.D

Acq: 03 May 2023 21:23

Instrument :

BNA_F

ClientSampleId :

TR-05-050123

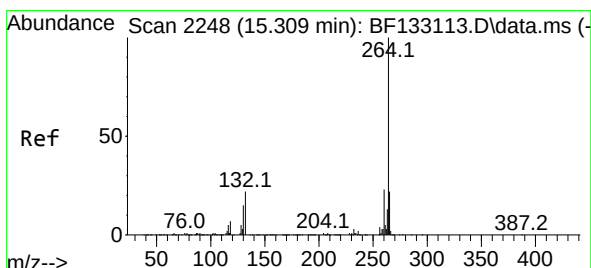
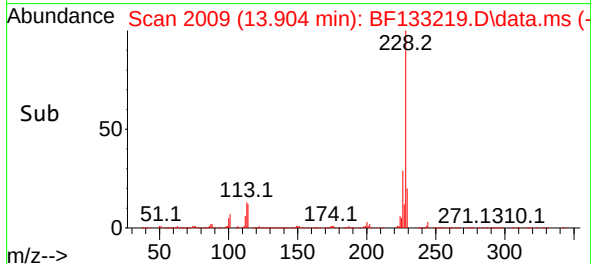
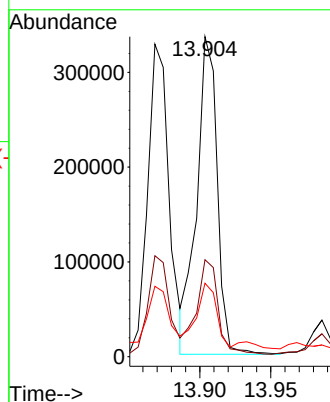
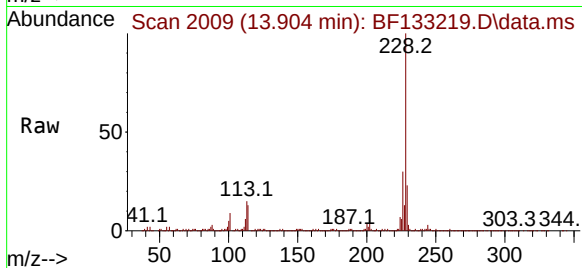
Tgt Ion:228 Resp: 337046

Ion Ratio Lower Upper

228 100

226 30.3 24.7 37.1

229 23.0 16.1 24.1



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.304 min Scan# 2247

Delta R.T. -0.000 min

Lab File: BF133219.D

Acq: 03 May 2023 21:23

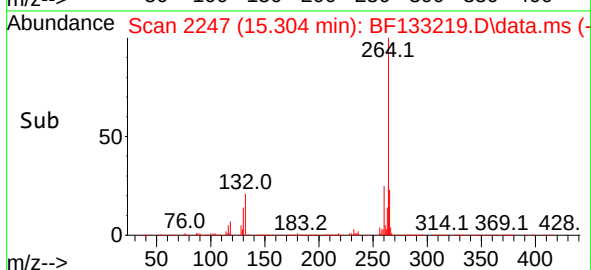
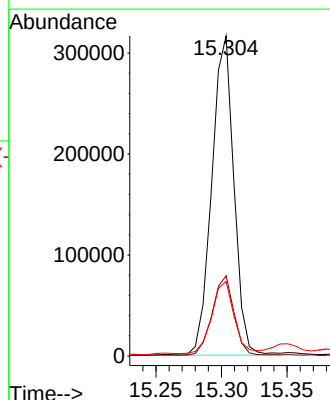
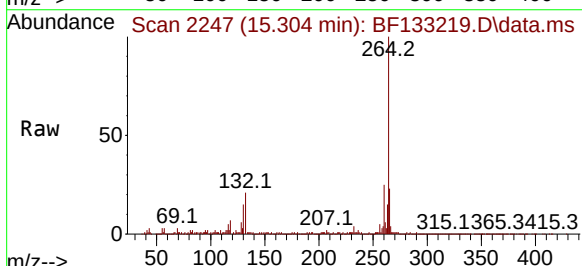
Tgt Ion:264 Resp: 369768

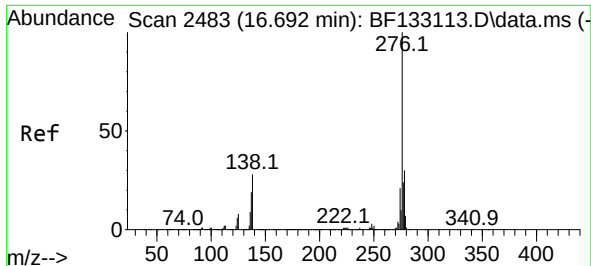
Ion Ratio Lower Upper

264 100

260 25.1 18.8 28.2

265 23.3 17.0 25.4

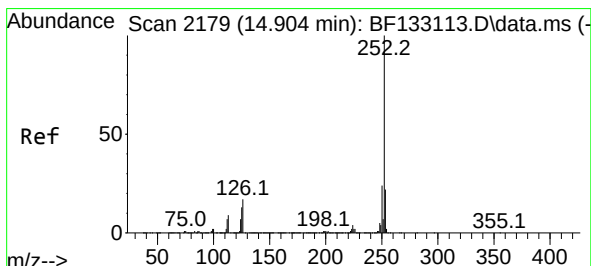
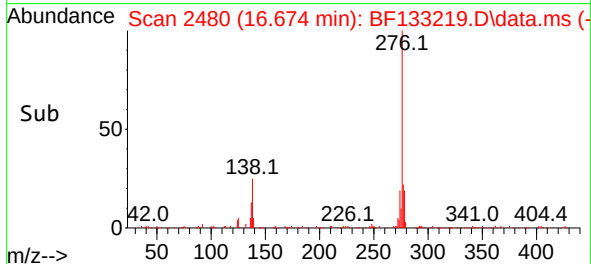
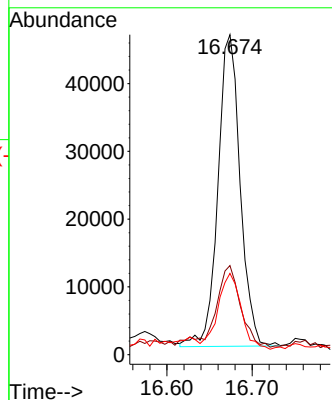
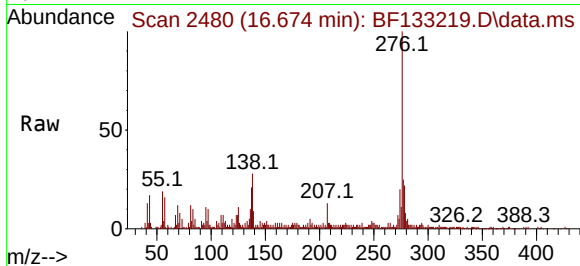




#87
Indeno(1,2,3-cd)pyrene
Concen: 3.975 ng
RT: 16.674 min Scan# 2480
Delta R.T. -0.018 min
Lab File: BF133219.D
Acq: 03 May 2023 21:23

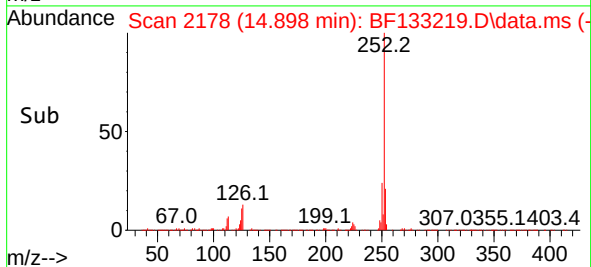
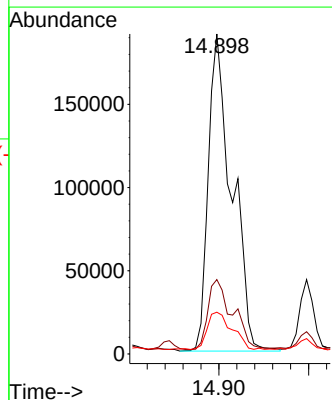
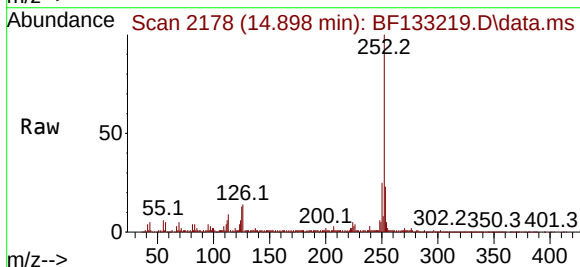
Instrument :
BNA_F
ClientSampleId :
TR-05-050123

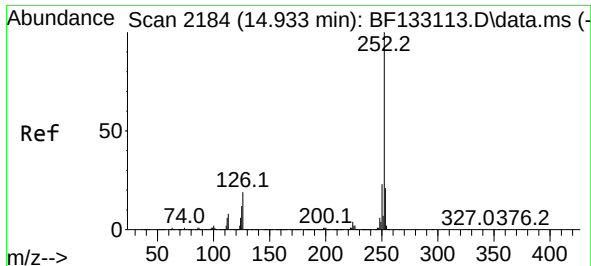
Tgt Ion:276 Resp: 83599
Ion Ratio Lower Upper
276 100
138 28.3 25.5 38.3
277 25.5 20.4 30.6



#88
Benzo(b)fluoranthene
Concen: 14.740 ng
RT: 14.898 min Scan# 2178
Delta R.T. -0.006 min
Lab File: BF133219.D
Acq: 03 May 2023 21:23

Tgt Ion:252 Resp: 346740
Ion Ratio Lower Upper
252 100
253 23.2 17.6 26.4
125 13.0 8.9 13.3

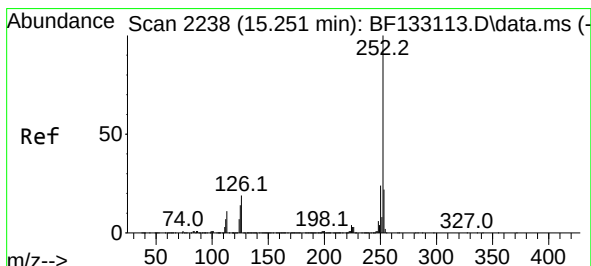
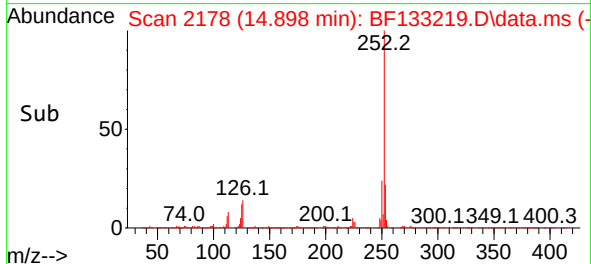
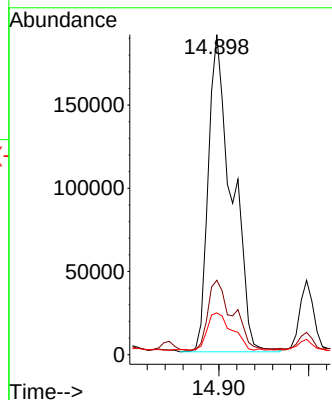
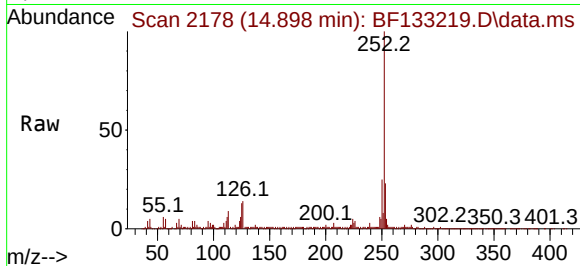




#89
Benzo(k)fluoranthene
Concen: 14.869 ng
RT: 14.898 min Scan# 2184
Delta R.T. -0.036 min
Lab File: BF133219.D
Acq: 03 May 2023 21:23

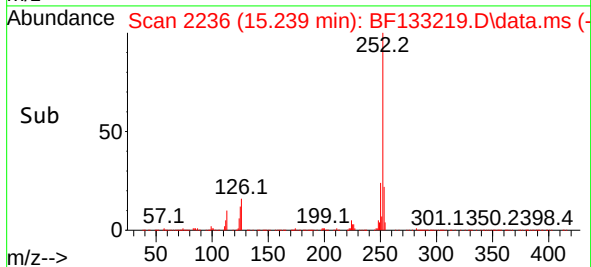
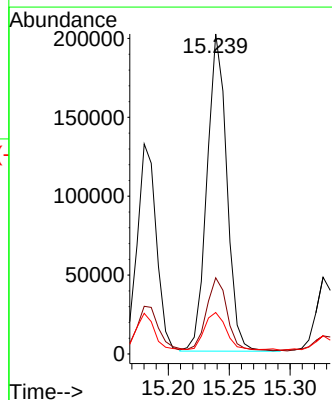
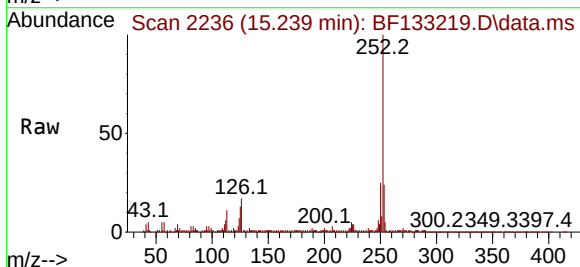
Instrument :
BNA_F
ClientSampleId :
TR-05-050123

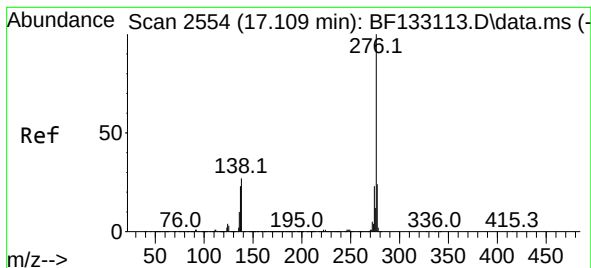
Tgt Ion:252 Resp: 346740
Ion Ratio Lower Upper
252 100
253 23.2 17.7 26.5
125 13.0 9.0 13.4



#90
Benzo(a)pyrene
Concen: 10.658 ng
RT: 15.239 min Scan# 2236
Delta R.T. -0.012 min
Lab File: BF133219.D
Acq: 03 May 2023 21:23

Tgt Ion:252 Resp: 228216
Ion Ratio Lower Upper
252 100
253 23.8 17.7 26.5
125 13.0 10.5 15.7





#92

Benzo(g,h,i)perylene

Concen: 5.137 ng

RT: 17.092 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF133219.D

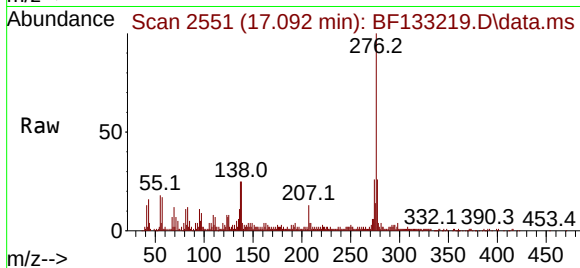
Acq: 03 May 2023 21:23

Instrument :

BNA_F

ClientSampleId :

TR-05-050123



Tgt Ion:276 Resp: 88968

Ion Ratio Lower Upper

276 100

277 25.9 19.4 29.0

138 25.2 22.7 34.1

