

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051023\
 Data File : BF133347.D
 Acq On : 10 May 2023 23:46
 Operator : CG\JU
 Sample : 02691-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AU-504-COMP-06

Quant Time: May 11 03:44:23 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 09 04:59:36 2023
 Response via : Initial Calibration

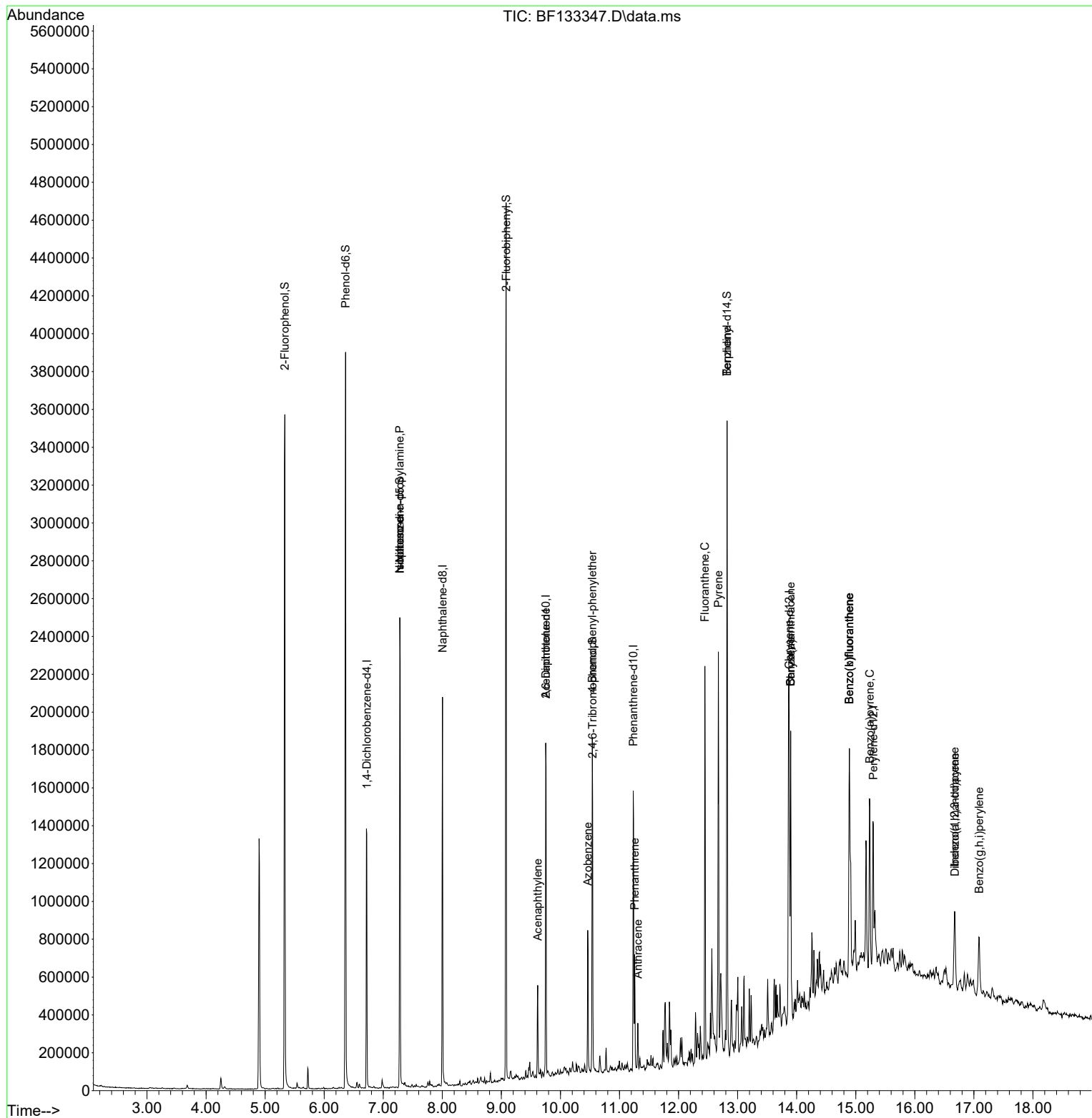
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.722	152	209078	20.000	ng	0.00
21) Naphthalene-d8	8.004	136	795396	20.000	ng	0.00
39) Acenaphthene-d10	9.751	164	352817	20.000	ng	-0.01
64) Phenanthrene-d10	11.233	188	545709	20.000	ng	-0.01
76) Chrysene-d12	13.874	240	386382	20.000	ng	0.00
86) Perylene-d12	15.298	264	339977	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	1069286	77.257	ng	0.00
7) Phenol-d6	6.363	99	1248365	72.668	ng	0.00
23) Nitrobenzene-d5	7.281	82	785308	53.292	ng	-0.01
42) 2,4,6-Tribromophenol	10.545	330	204106	57.523	ng	0.00
45) 2-Fluorobiphenyl	9.080	172	1302004	61.739	ng	0.00
79) Terphenyl-d14	12.821	244	1107258	49.424	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.275	77	1371	Below Cal		Qvalue # 82
19) n-Nitroso-di-n-propyla...	7.281	70	105281	9.844	ng	# 78
25) Isophorone	7.281	82	783234	27.994	ng	# 63
49) Acenaphthylene	9.616	152	191431	5.851	ng	97
51) 2,6-Dinitrotoluene	9.751	165	47132	8.512	ng	# 25
63) Azobenzene	10.463	77	125982	5.118	ng	# 1
67) 4-Bromophenyl-phenylether	10.539	248	13727	2.319	ng	# 1
71) Phenanthrene	11.257	178	203732	6.946	ng	99
72) Anthracene	11.310	178	90391	3.011	ng	98
75) Fluoranthene	12.445	202	728992	24.765	ng	99
77) Benzidine	12.821	184	13822	2.115	ng	95
78) Pyrene	12.674	202	805714	24.326	ng	100
81) Benzo(a)anthracene	13.898	228	528096	19.875	ng	97
83) Chrysene	13.898	228	528096	19.880	ng	98
87) Indeno(1,2,3-cd)pyrene	16.674	276	250331	12.945	ng	# 92
88) Benzo(b)fluoranthene	14.892	252	826696	38.222	ng	# 96
89) Benzo(k)fluoranthene	14.892	252	826696	38.558	ng	# 96
90) Benzo(a)pyrene	15.239	252	415483	21.105	ng	98
91) Dibenzo(a,h)anthracene	16.680	278	67713	4.198	ng	# 93
92) Benzo(g,h,i)perylene	17.092	276	229276	14.398	ng	97

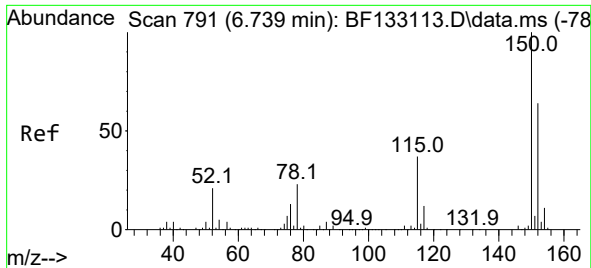
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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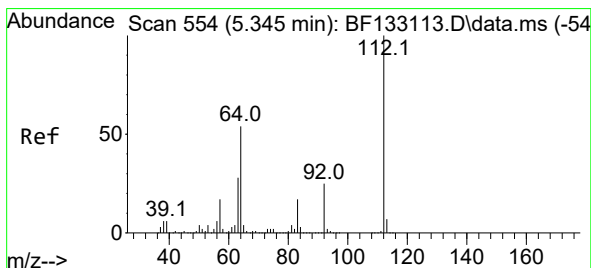
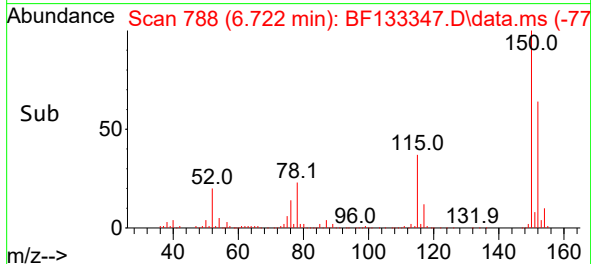
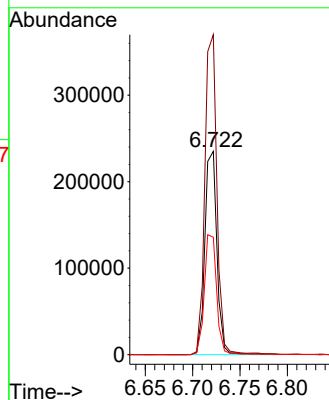
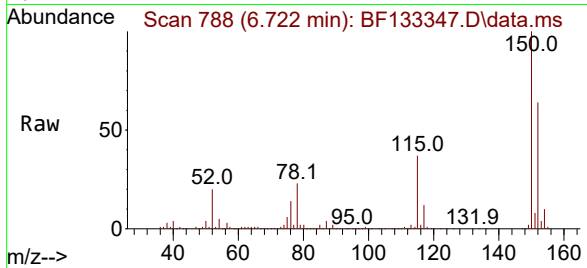




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.722 min Scan# 791
 Delta R.T. -0.000 min
 Lab File: BF133347.D
 Acq: 10 May 2023 23:46

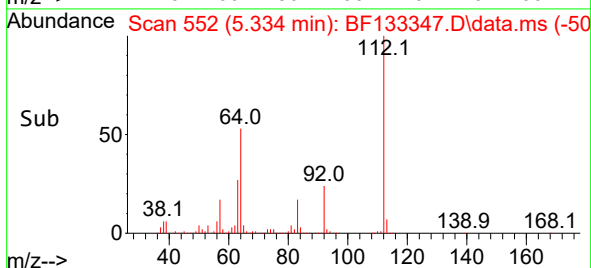
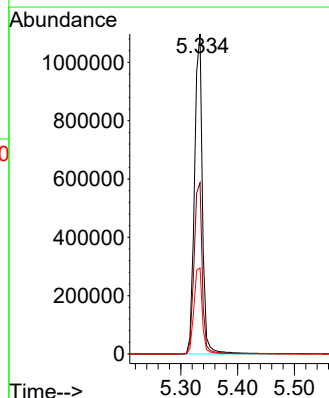
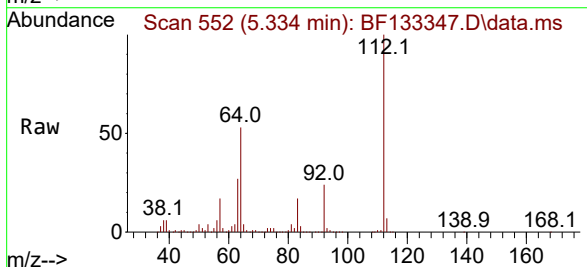
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 AU-504-COMP-06

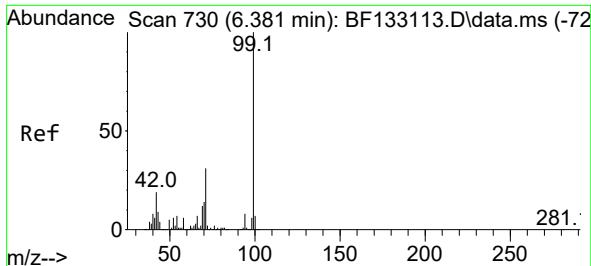
Tgt Ion:152 Resp: 209078
 Ion Ratio Lower Upper
 152 100
 150 157.4 124.8 187.2
 115 57.7 49.9 74.9



#5
 2-Fluorophenol
 Concen: 77.257 ng
 RT: 5.334 min Scan# 552
 Delta R.T. 0.006 min
 Lab File: BF133347.D
 Acq: 10 May 2023 23:46

Tgt Ion:112 Resp: 1069286
 Ion Ratio Lower Upper
 112 100
 64 53.5 46.8 70.2
 63 26.9 23.8 35.8

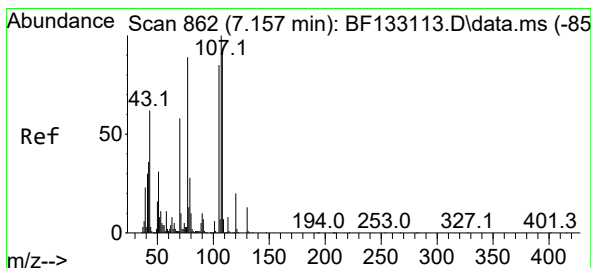
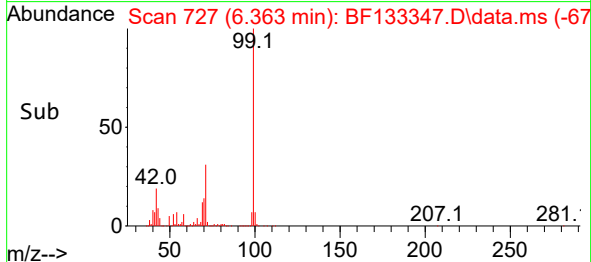
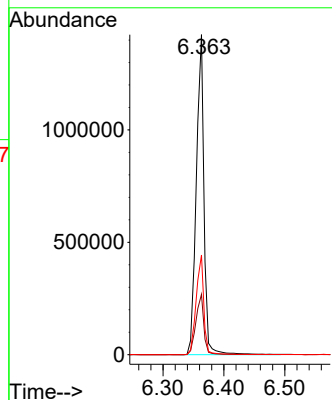
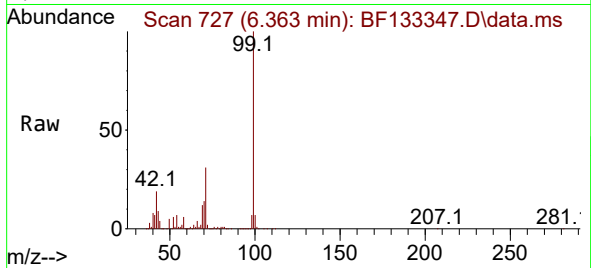




#7
Phenol-d6
Concen: 72.668 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133347.D
Acq: 10 May 2023 23:46

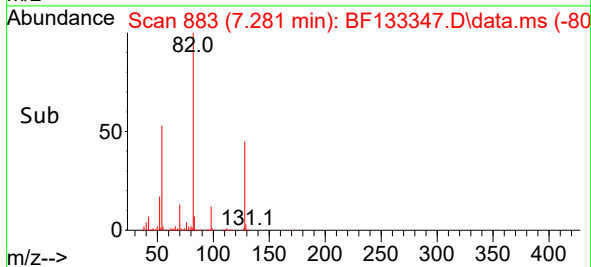
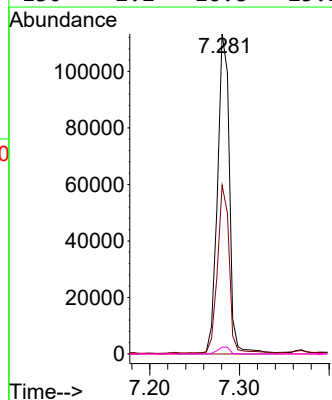
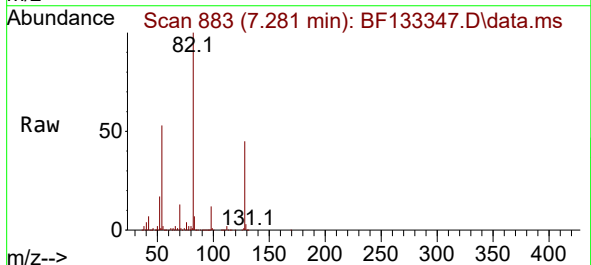
Instrument :
BNA_F
ClientSampleId :
AU-504-COMP-06

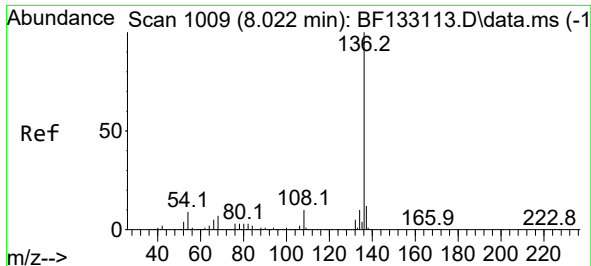
Tgt Ion: 99 Resp: 1248365
Ion Ratio Lower Upper
99 100
42 18.9 16.3 24.5
71 31.2 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 9.844 ng
RT: 7.281 min Scan# 883
Delta R.T. 0.135 min
Lab File: BF133347.D
Acq: 10 May 2023 23:46

Tgt Ion: 70 Resp: 105281
Ion Ratio Lower Upper
70 100
42 52.7 51.8 77.6
101 0.0 8.0 12.0#
130 2.2 16.8 25.2#

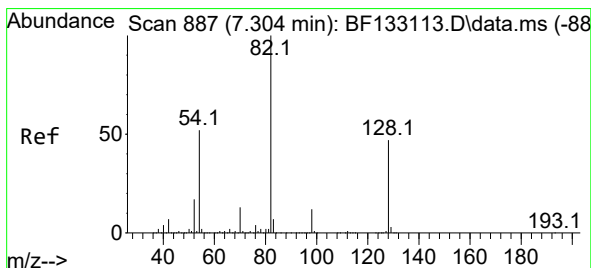
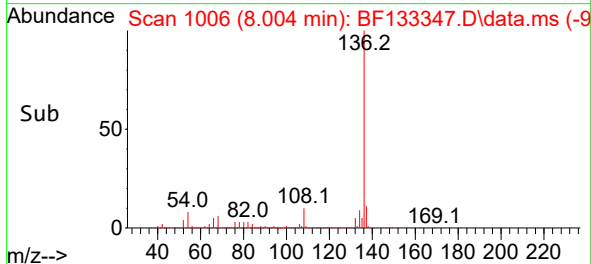
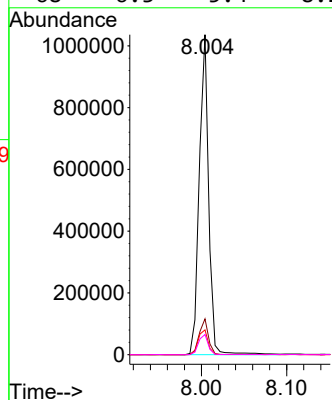
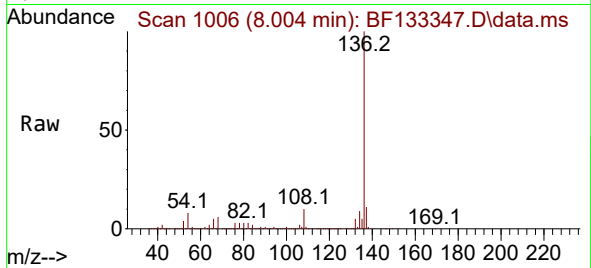




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.004 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BF133347.D
Acq: 10 May 2023 23:46

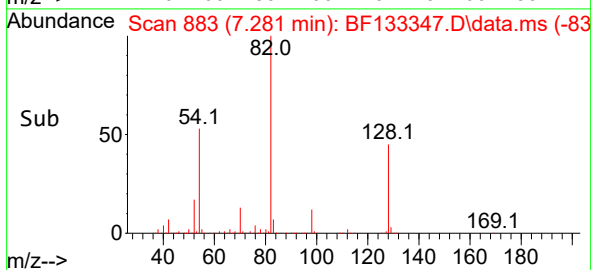
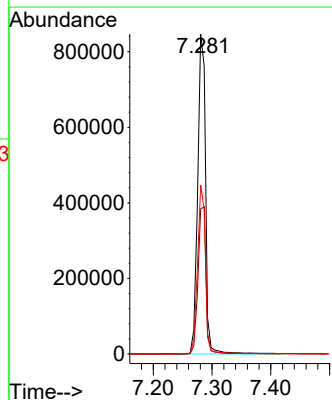
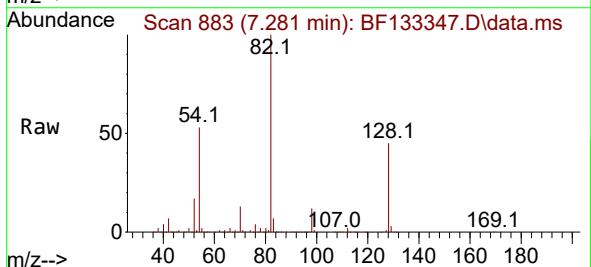
Instrument :
BNA_F
ClientSampleId :
AU-504-COMP-06

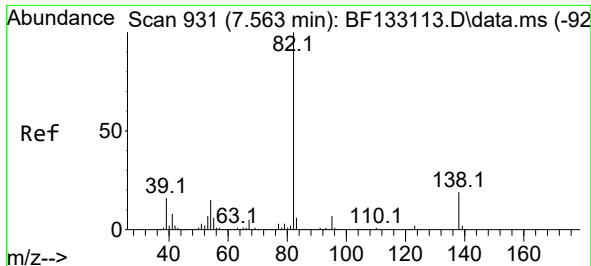
Tgt Ion:136 Resp: 795396
Ion Ratio Lower Upper
136 100
137 11.2 8.6 13.0
54 7.8 7.0 10.4
68 6.3 5.4 8.2



#23
Nitrobenzene-d5
Concen: 53.292 ng
RT: 7.281 min Scan# 883
Delta R.T. -0.012 min
Lab File: BF133347.D
Acq: 10 May 2023 23:46

Tgt Ion: 82 Resp: 785308
Ion Ratio Lower Upper
82 100
128 45.3 37.7 56.5
54 52.8 43.0 64.4

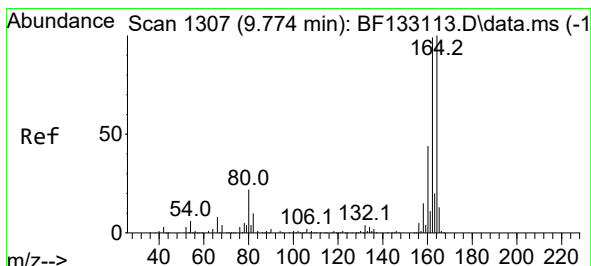
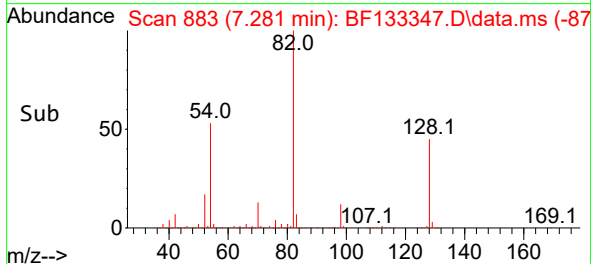
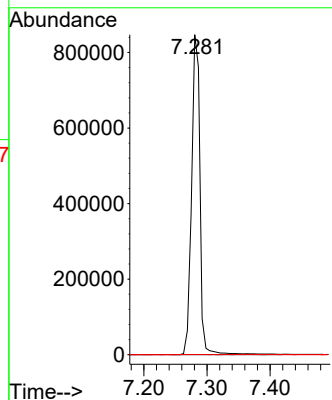
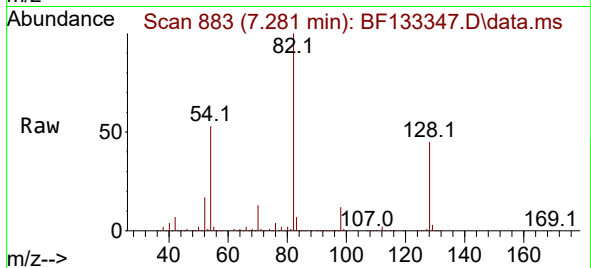




#25
Isophorone
Concen: 27.994 ng
RT: 7.281 min Scan# 81
Delta R.T. -0.271 min
Lab File: BF133347.D
Acq: 10 May 2023 23:46

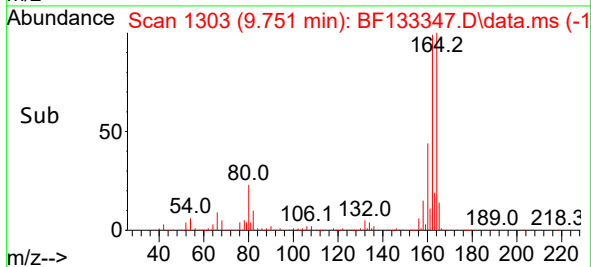
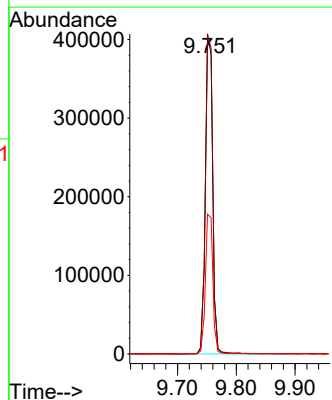
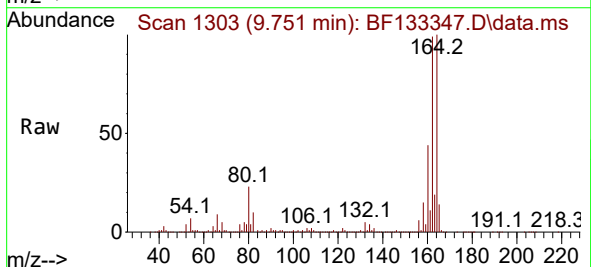
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ClientSampleId :
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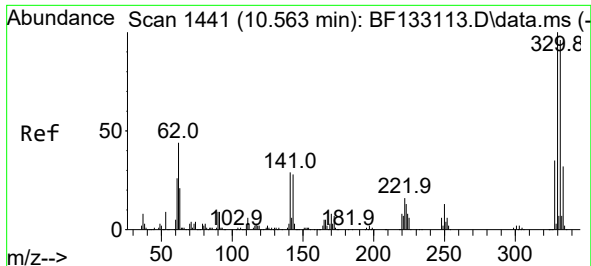
Tgt Ion: 82 Resp: 783234
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 16.0 24.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.751 min Scan# 1303
Delta R.T. -0.012 min
Lab File: BF133347.D
Acq: 10 May 2023 23:46

Tgt Ion:164 Resp: 352817
Ion Ratio Lower Upper
164 100
162 99.3 78.7 118.1
160 43.6 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 57.523 ng

RT: 10.545 min Scan# 1441

Delta R.T. -0.006 min

Lab File: BF133347.D

Acq: 10 May 2023 23:46

Instrument :

BNA_F

ClientSampleId :

AU-504-COMP-06

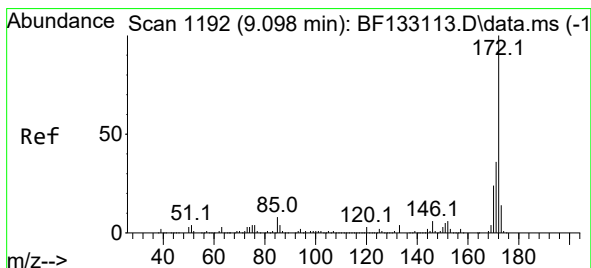
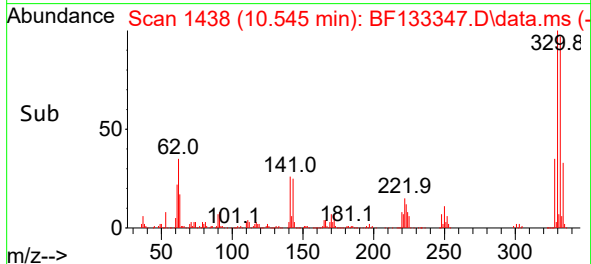
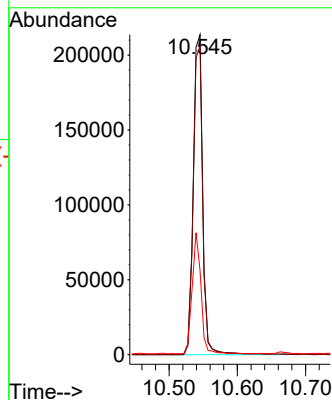
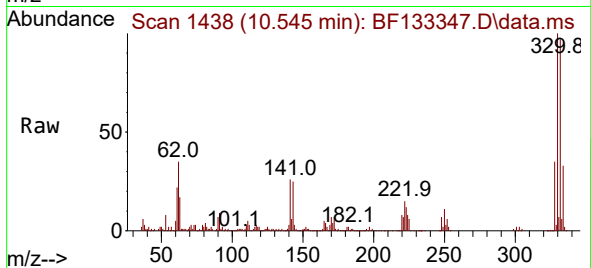
Tgt Ion:330 Resp: 204106

Ion Ratio Lower Upper

330 100

332 96.2 77.1 115.7

141 35.3 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 61.739 ng

RT: 9.080 min Scan# 1189

Delta R.T. -0.006 min

Lab File: BF133347.D

Acq: 10 May 2023 23:46

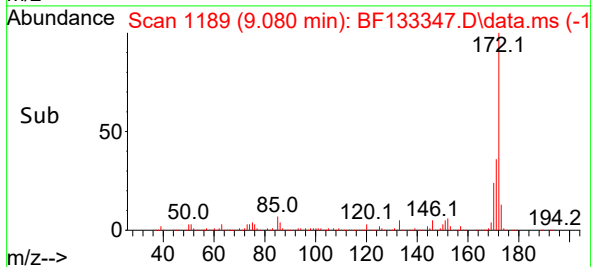
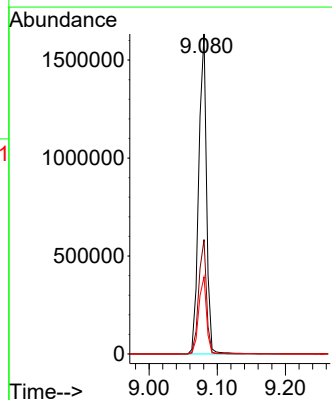
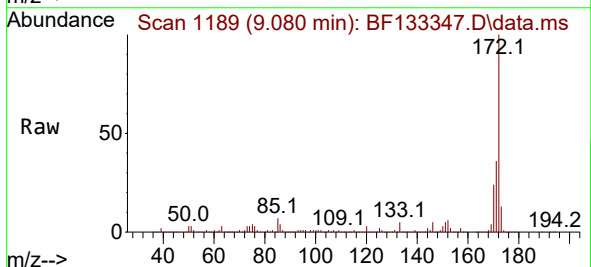
Tgt Ion:172 Resp: 1302004

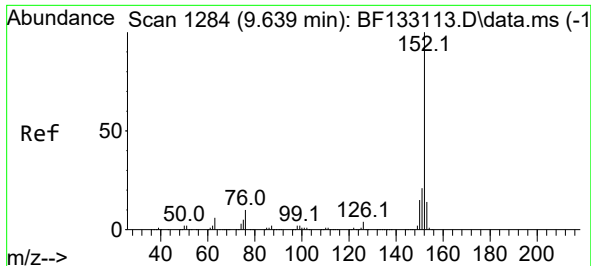
Ion Ratio Lower Upper

172 100

171 35.8 28.8 43.2

170 24.1 19.4 29.2

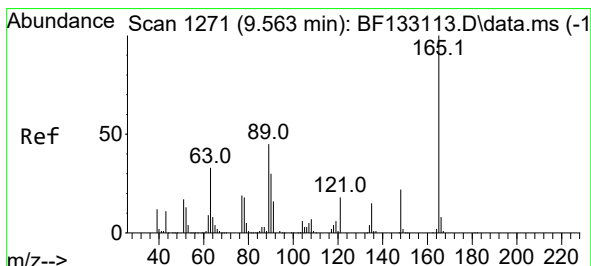
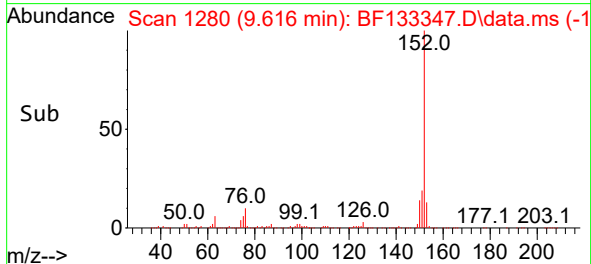
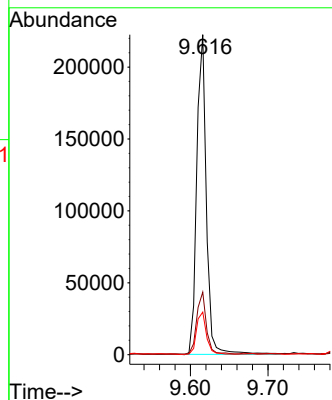
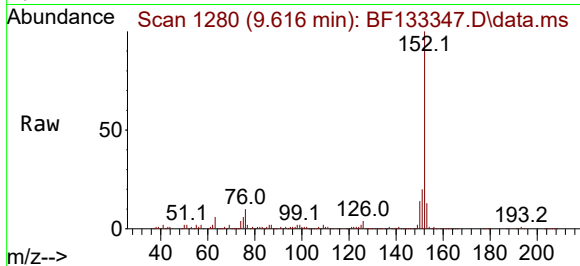




#49
Acenaphthylene
Concen: 5.851 ng
RT: 9.616 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133347.D
Acq: 10 May 2023 23:46

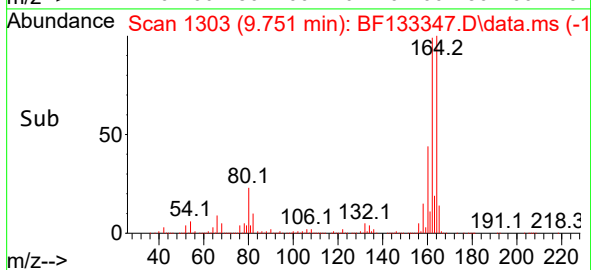
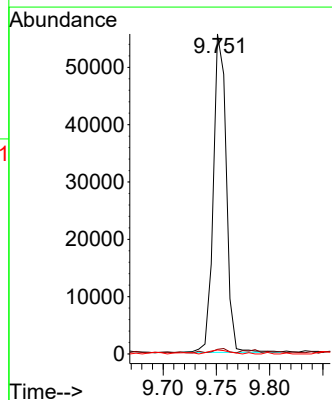
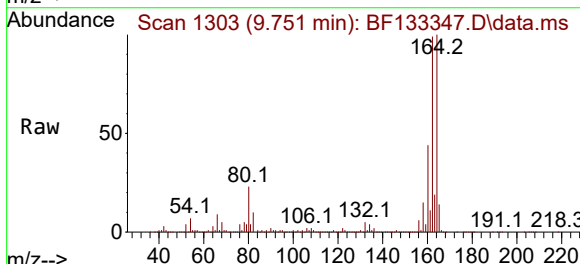
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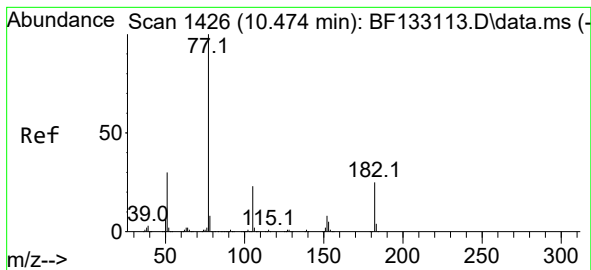
Tgt Ion:152 Resp: 191431
Ion Ratio Lower Upper
152 100
151 19.5 16.6 24.8
153 13.3 11.5 17.3



#51
2,6-Dinitrotoluene
Concen: 8.512 ng
RT: 9.751 min Scan# 1303
Delta R.T. 0.200 min
Lab File: BF133347.D
Acq: 10 May 2023 23:46

Tgt Ion:165 Resp: 47132
Ion Ratio Lower Upper
165 100
63 1.4 45.9 68.9#
89 1.3 44.0 66.0#





#63

Azobenzene

Concen: 5.118 ng

RT: 10.463 min Scan# 14

Delta R.T. 0.000 min

Lab File: BF133347.D

Acq: 10 May 2023 23:46

Instrument :

BNA_F

ClientSampleId :

AU-504-COMP-06

Tgt Ion: 77 Resp: 125982

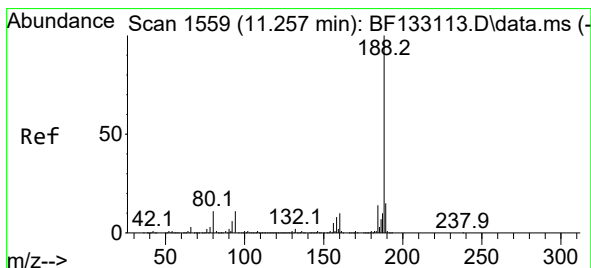
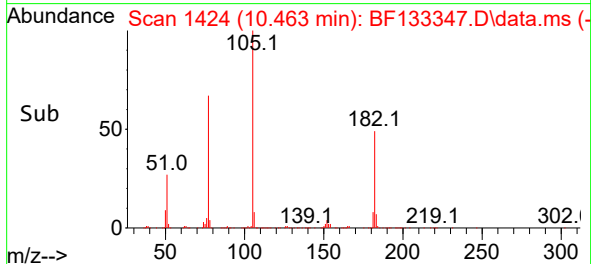
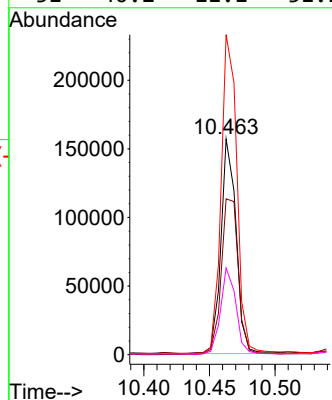
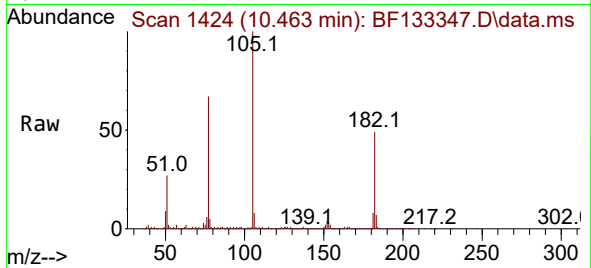
Ion Ratio Lower Upper

77 100

182 72.3 5.9 45.9#

105 148.4 2.3 42.3#

51 40.2 11.1 51.1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.233 min Scan# 1555

Delta R.T. -0.012 min

Lab File: BF133347.D

Acq: 10 May 2023 23:46

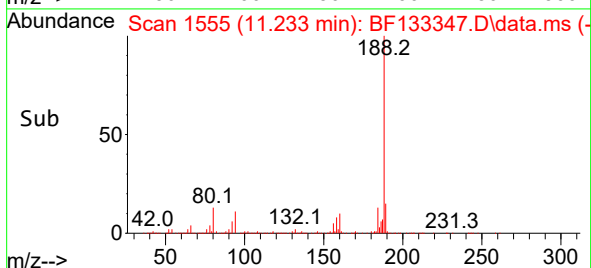
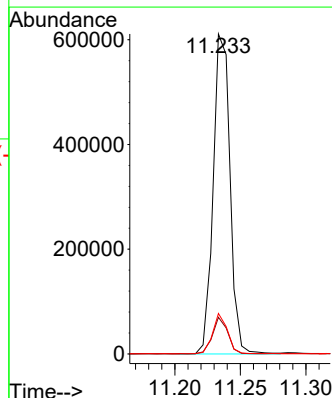
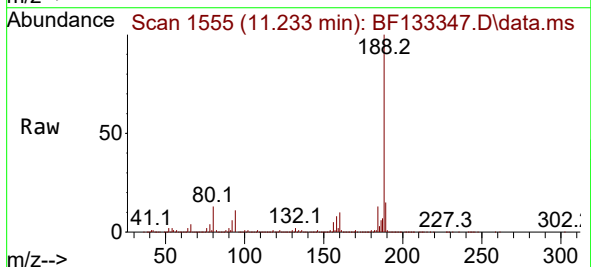
Tgt Ion:188 Resp: 545709

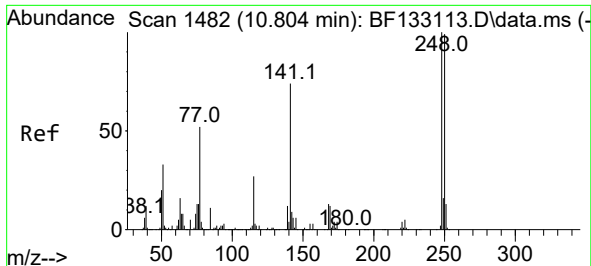
Ion Ratio Lower Upper

188 100

94 11.5 9.7 14.5

80 12.7 10.4 15.6

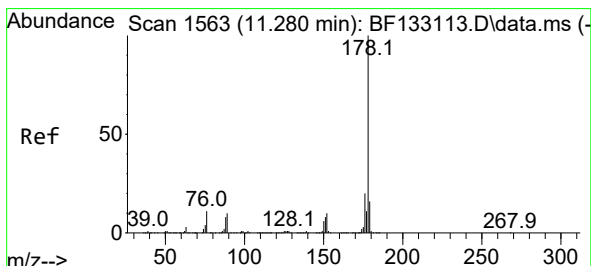
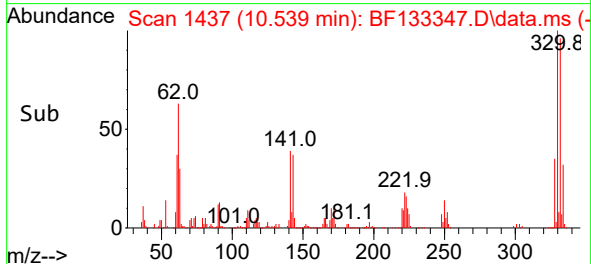
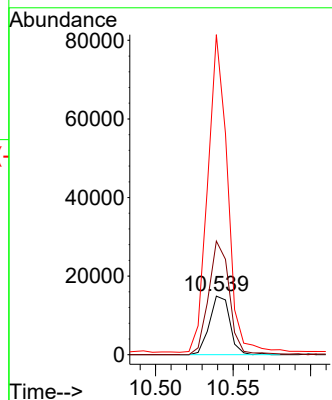
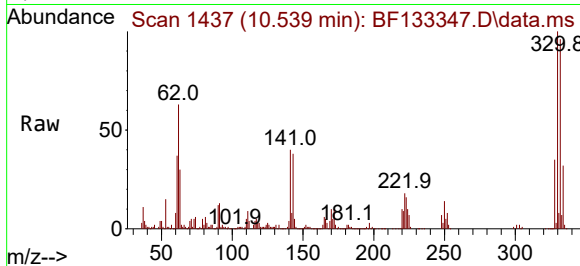




#67
4-Bromophenyl-phenylether
Concen: 2.319 ng
RT: 10.539 min Scan# 1482
Delta R.T. -0.253 min
Lab File: BF133347.D
Acq: 10 May 2023 23:46

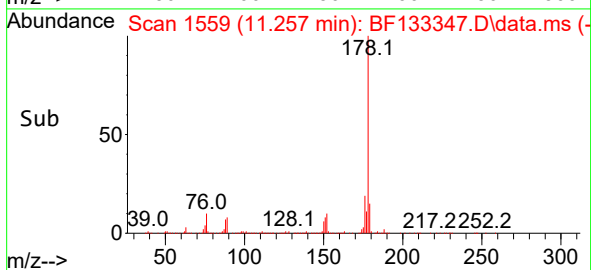
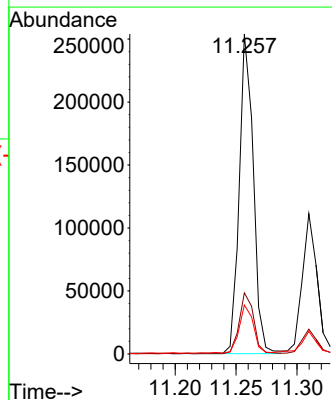
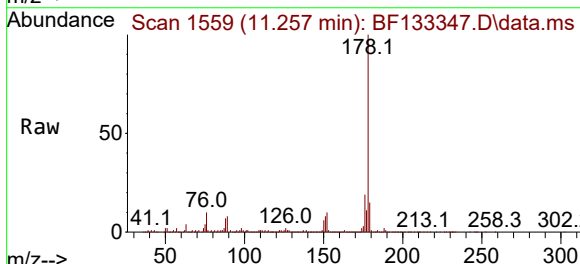
Instrument :
BNA_F
ClientSampleId :
AU-504-COMP-06

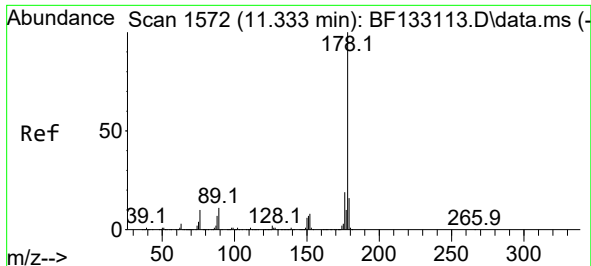
Tgt Ion:248 Resp: 13727
Ion Ratio Lower Upper
248 100
250 194.1 78.7 118.1#
141 546.4 56.3 84.5#



#71
Phenanthrene
Concen: 6.946 ng
RT: 11.257 min Scan# 1559
Delta R.T. -0.012 min
Lab File: BF133347.D
Acq: 10 May 2023 23:46

Tgt Ion:178 Resp: 203732
Ion Ratio Lower Upper
178 100
176 19.1 15.9 23.9
179 15.3 12.5 18.7

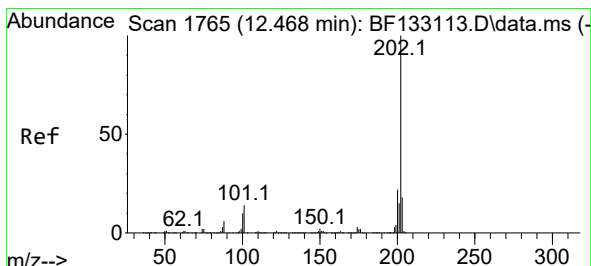
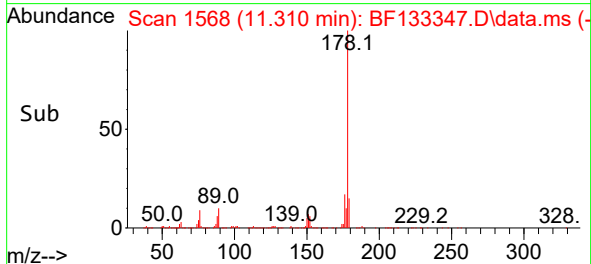
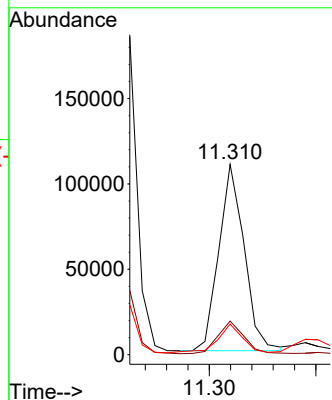
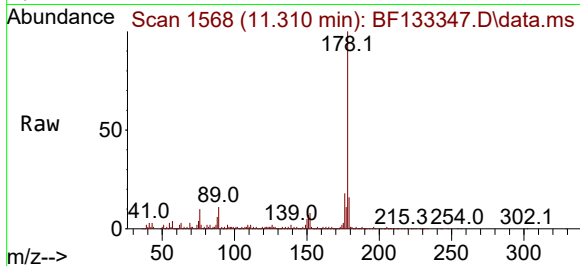




#72
 Anthracene
 Concen: 3.011 ng
 RT: 11.310 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF133347.D
 Acq: 10 May 2023 23:46

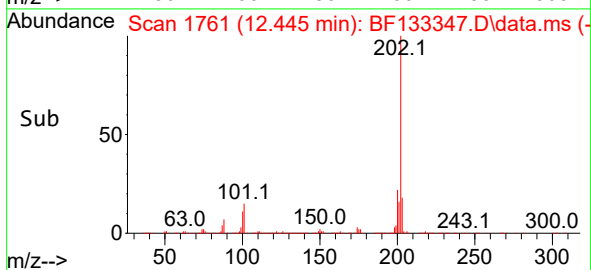
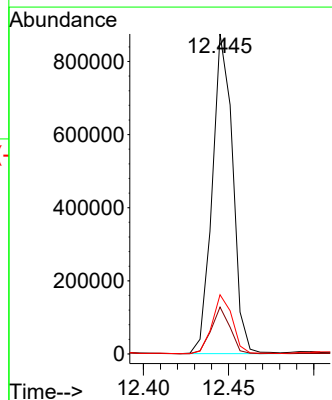
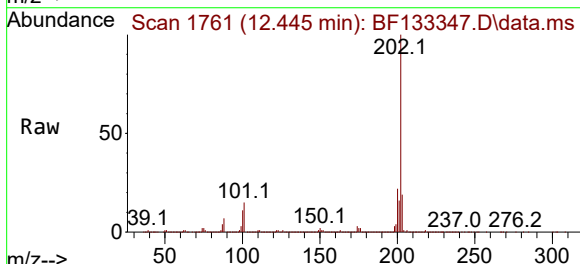
Instrument :
 BNA_F
 ClientSampleId :
 AU-504-COMP-06

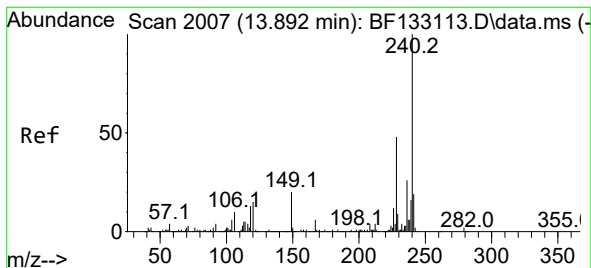
Tgt Ion:178 Resp: 90391
 Ion Ratio Lower Upper
 178 100
 176 17.7 15.4 23.0
 179 16.1 12.4 18.6



#75
 Fluoranthene
 Concen: 24.765 ng
 RT: 12.445 min Scan# 1761
 Delta R.T. -0.012 min
 Lab File: BF133347.D
 Acq: 10 May 2023 23:46

Tgt Ion:202 Resp: 728992
 Ion Ratio Lower Upper
 202 100
 101 14.7 0.0 35.3
 203 18.5 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.874 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF133347.D

Acq: 10 May 2023 23:46

Instrument :

BNA_F

ClientSampleId :

AU-504-COMP-06

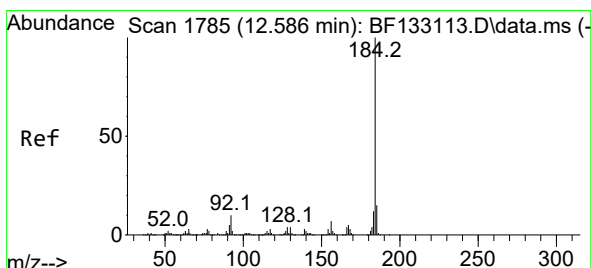
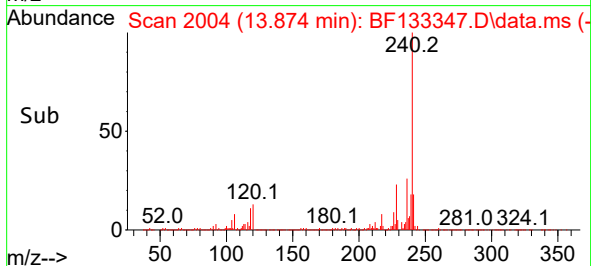
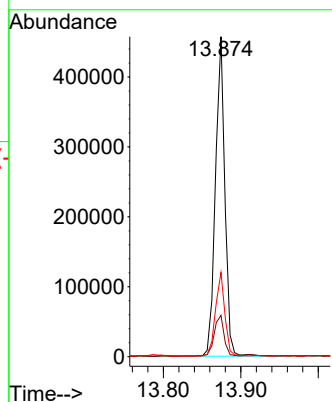
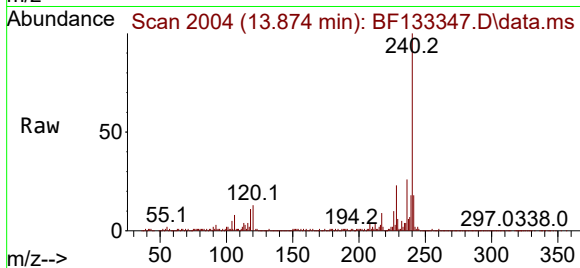
Tgt Ion:240 Resp: 386382

Ion Ratio Lower Upper

240 100

120 12.9 10.5 15.7

236 26.4 21.5 32.3



#77

Benzidine

Concen: 2.115 ng

RT: 12.821 min Scan# 1825

Delta R.T. 0.247 min

Lab File: BF133347.D

Acq: 10 May 2023 23:46

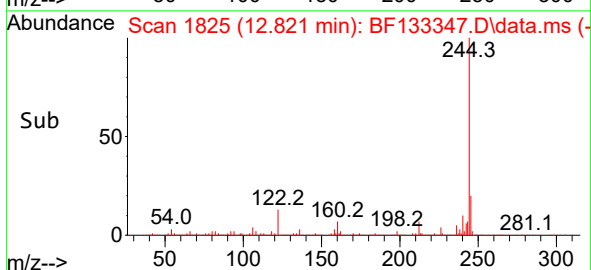
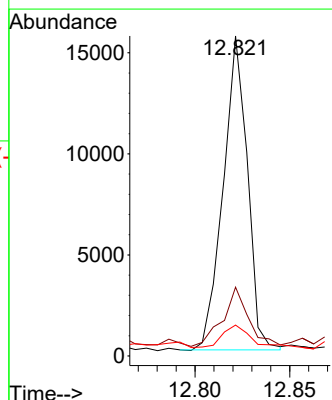
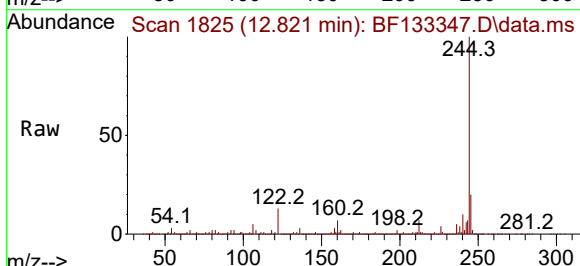
Tgt Ion:184 Resp: 13822

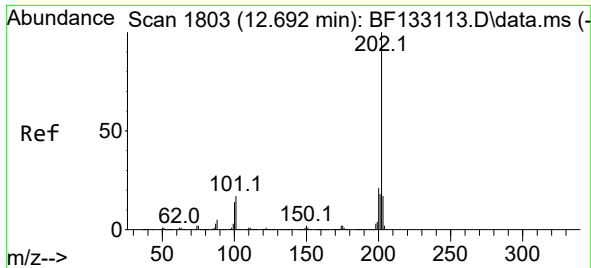
Ion Ratio Lower Upper

184 100

185 21.5 15.4 23.2

183 9.6 9.4 14.0

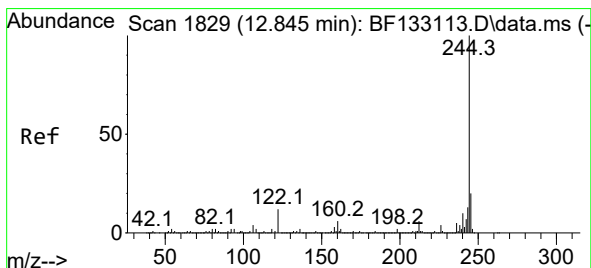
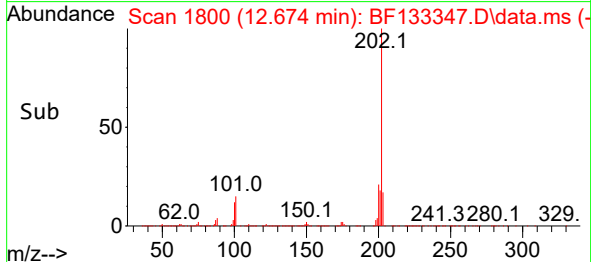
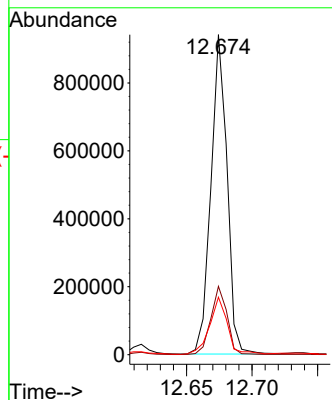
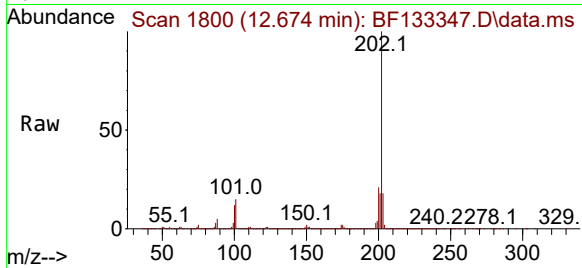




#78
 Pyrene
 Concen: 24.326 ng
 RT: 12.674 min Scan# 1800
 Delta R.T. -0.006 min
 Lab File: BF133347.D
 Acq: 10 May 2023 23:46

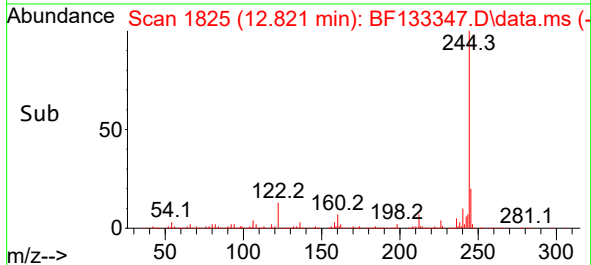
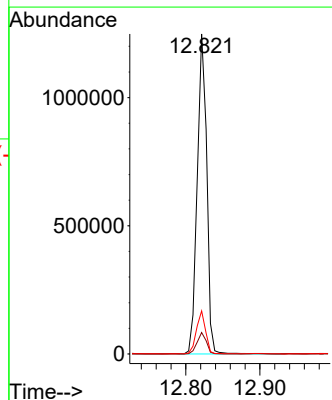
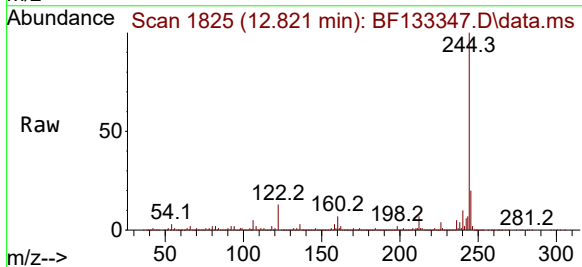
Instrument :
 BNA_F
 ClientSampleId :
 AU-504-COMP-06

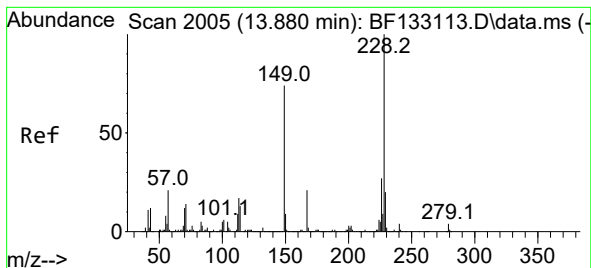
Tgt Ion:202 Resp: 805714
 Ion Ratio Lower Upper
 202 100
 200 21.3 17.1 25.7
 203 18.0 14.1 21.1



#79
 Terphenyl-d14
 Concen: 49.424 ng
 RT: 12.821 min Scan# 1825
 Delta R.T. -0.012 min
 Lab File: BF133347.D
 Acq: 10 May 2023 23:46

Tgt Ion:244 Resp: 1107258
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.1 7.7
 122 13.5 8.6 13.0#





#81

Benzo(a)anthracene

Concen: 19.875 ng

RT: 13.898 min Scan# 2008

Delta R.T. 0.029 min

Lab File: BF133347.D

Acq: 10 May 2023 23:46

Instrument :

BNA_F

ClientSampleId :

AU-504-COMP-06

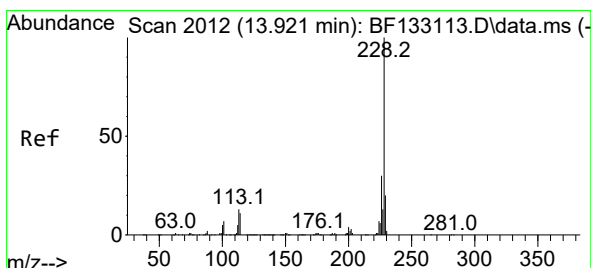
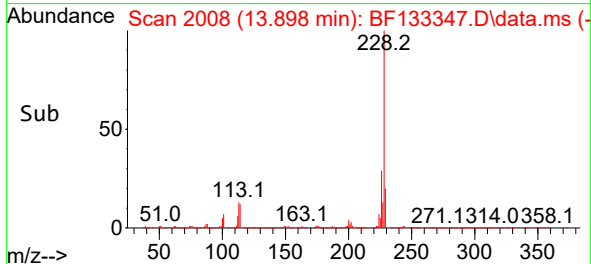
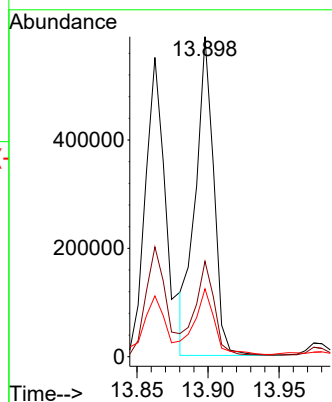
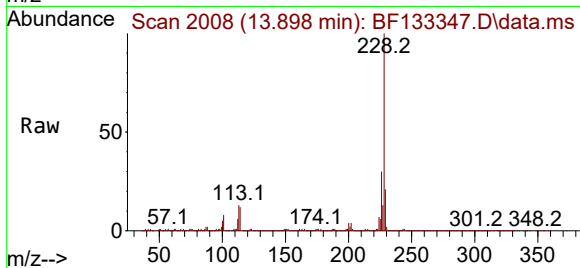
Tgt Ion:228 Resp: 528096

Ion Ratio Lower Upper

228 100

226 29.8 22.2 33.4

229 21.2 16.0 24.0



#83

Chrysene

Concen: 19.880 ng

RT: 13.898 min Scan# 2008

Delta R.T. -0.012 min

Lab File: BF133347.D

Acq: 10 May 2023 23:46

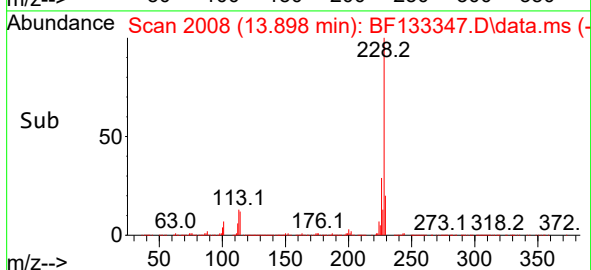
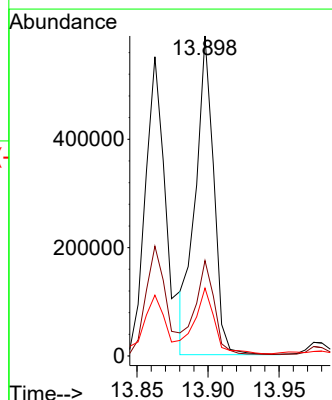
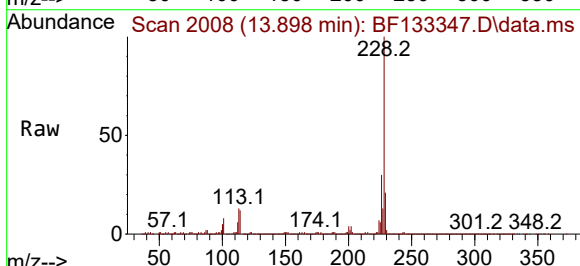
Tgt Ion:228 Resp: 528096

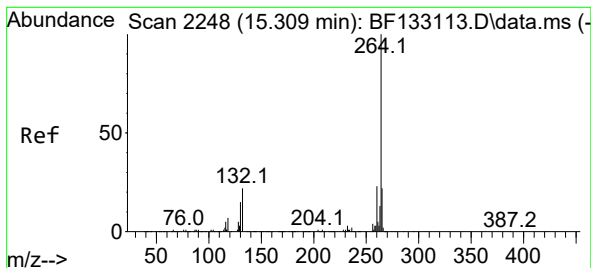
Ion Ratio Lower Upper

228 100

226 29.8 24.7 37.1

229 21.2 16.1 24.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.298 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF133347.D

Acq: 10 May 2023 23:46

Instrument :

BNA_F

ClientSampleId :

AU-504-COMP-06

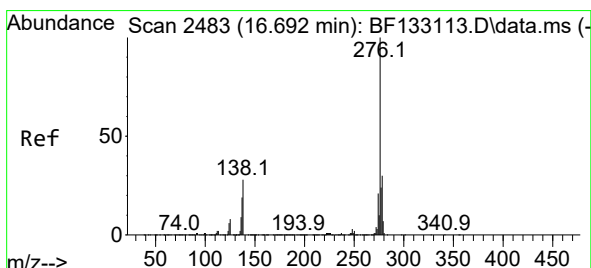
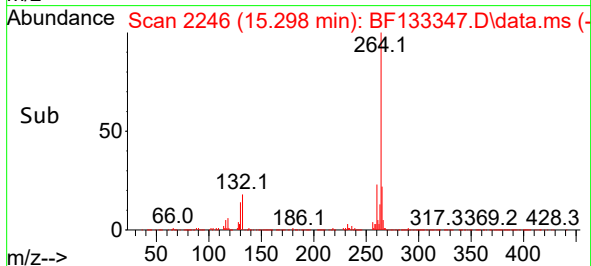
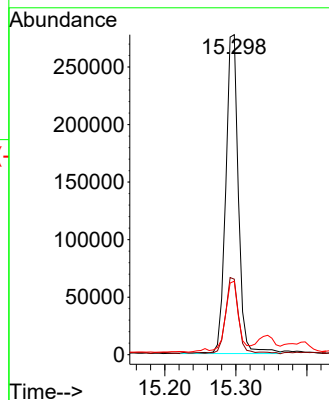
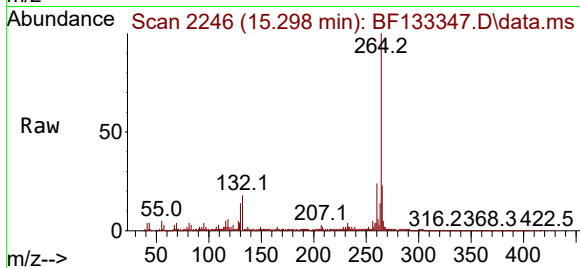
Tgt Ion:264 Resp: 339977

Ion Ratio Lower Upper

264 100

260 23.6 18.8 28.2

265 23.0 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 12.945 ng

RT: 16.674 min Scan# 2480

Delta R.T. 0.000 min

Lab File: BF133347.D

Acq: 10 May 2023 23:46

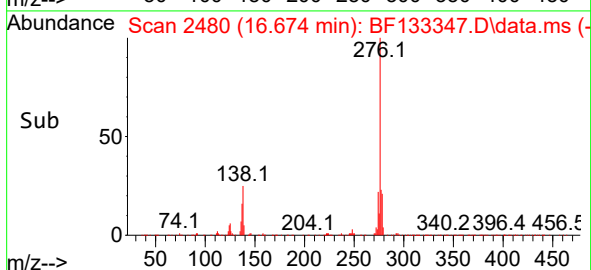
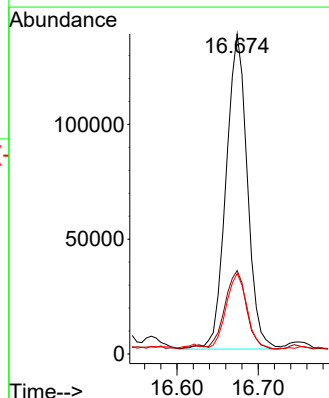
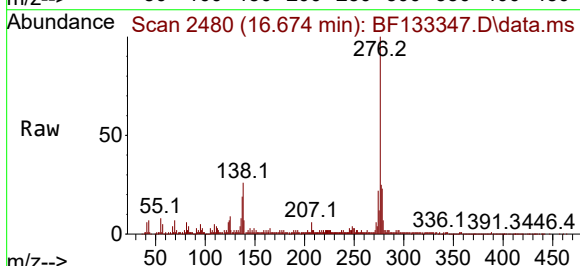
Tgt Ion:276 Resp: 250331

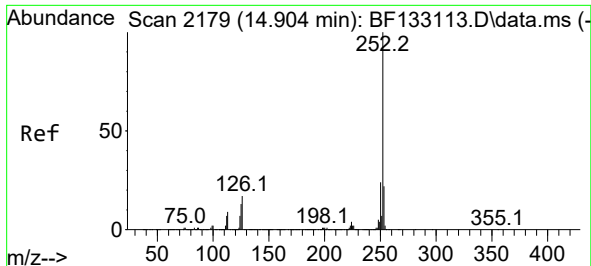
Ion Ratio Lower Upper

276 100

138 25.5 25.5 38.3#

277 23.5 20.4 30.6

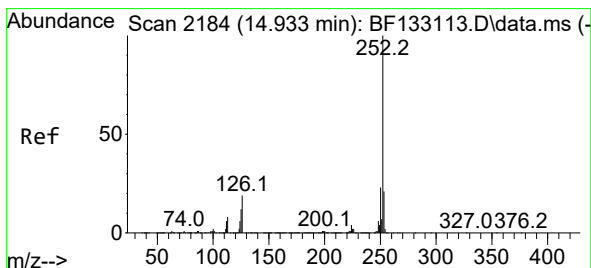
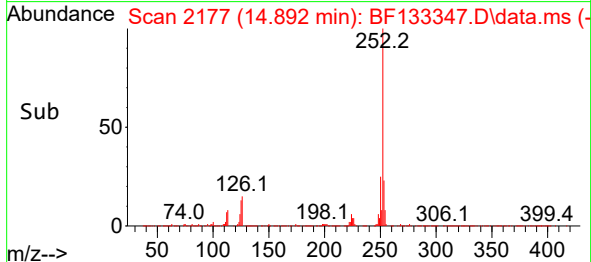
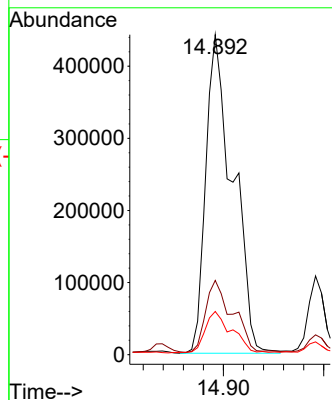
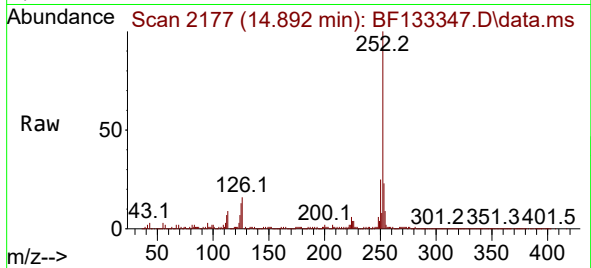




#88
Benzo(b)fluoranthene
Concen: 38.222 ng
RT: 14.892 min Scan# 2177
Delta R.T. 0.000 min
Lab File: BF133347.D
Acq: 10 May 2023 23:46

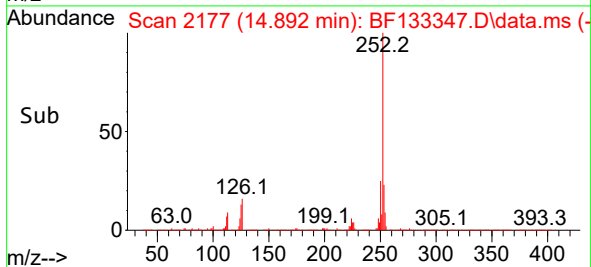
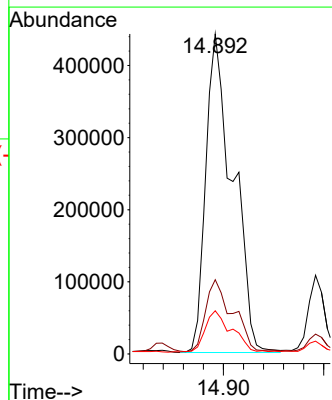
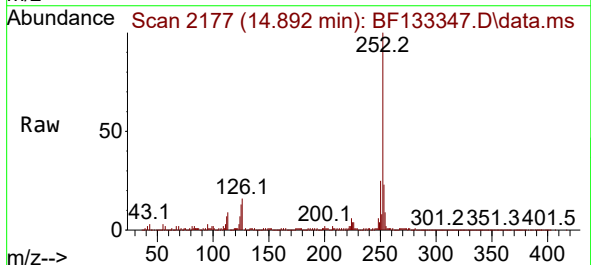
Instrument :
BNA_F
ClientSampleId :
AU-504-COMP-06

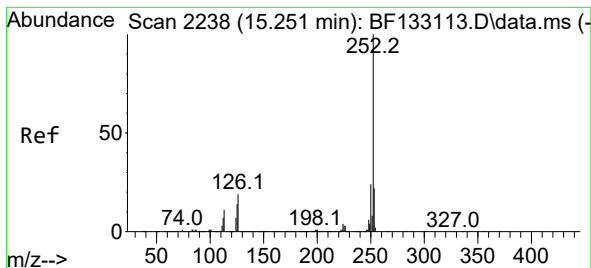
Tgt Ion:252 Resp: 826696
Ion Ratio Lower Upper
252 100
253 23.2 17.6 26.4
125 13.5 8.9 13.3#



#89
Benzo(k)fluoranthene
Concen: 38.558 ng
RT: 14.892 min Scan# 2177
Delta R.T. -0.029 min
Lab File: BF133347.D
Acq: 10 May 2023 23:46

Tgt Ion:252 Resp: 826696
Ion Ratio Lower Upper
252 100
253 23.2 17.7 26.5
125 13.5 9.0 13.4#





#90

Benzo(a)pyrene

Concen: 21.105 ng

RT: 15.239 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF133347.D

Acq: 10 May 2023 23:46

Instrument :

BNA_F

ClientSampleId :

AU-504-COMP-06

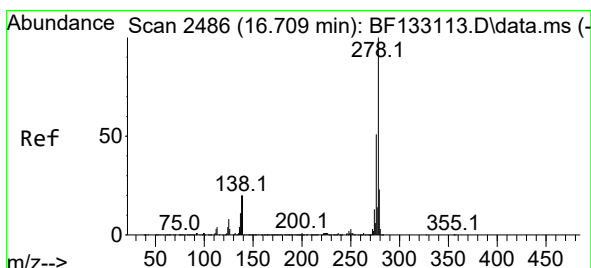
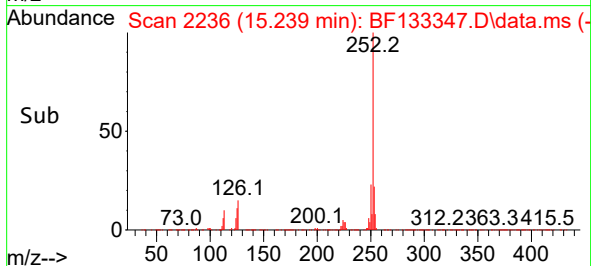
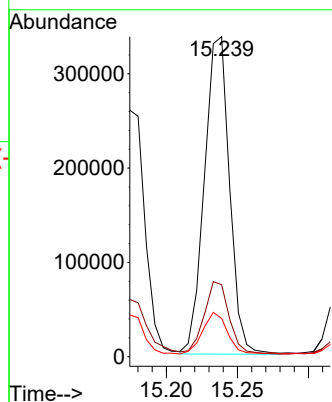
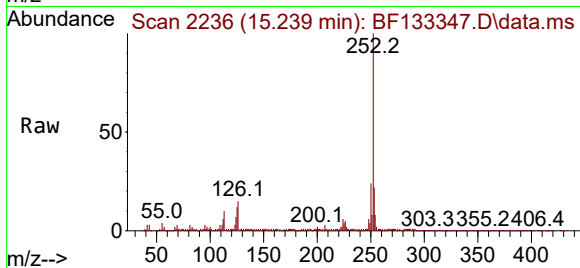
Tgt Ion:252 Resp: 415483

Ion Ratio Lower Upper

252 100

253 22.5 17.7 26.5

125 12.0 10.5 15.7



#91

Dibenzo(a,h)anthracene

Concen: 4.198 ng

RT: 16.680 min Scan# 2481

Delta R.T. -0.012 min

Lab File: BF133347.D

Acq: 10 May 2023 23:46

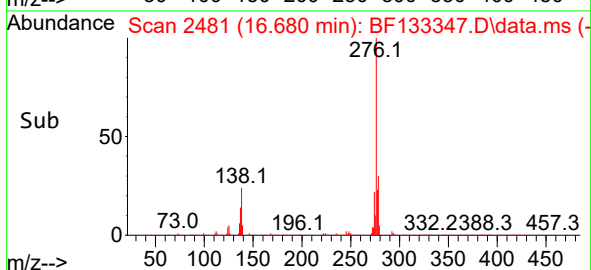
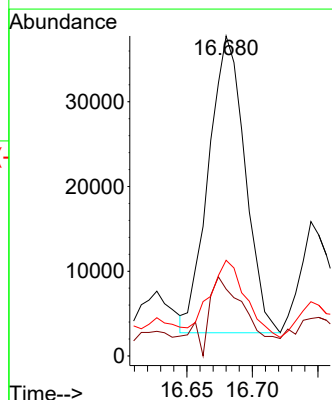
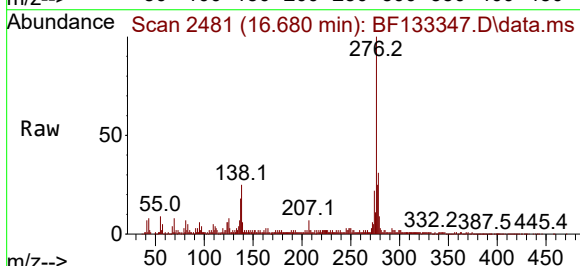
Tgt Ion:278 Resp: 67713

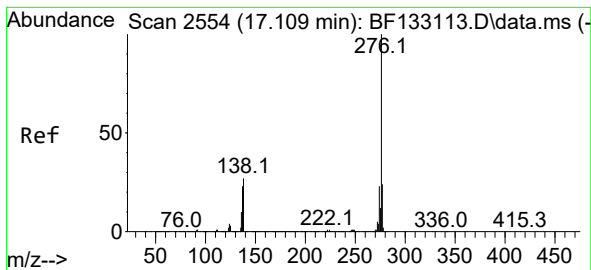
Ion Ratio Lower Upper

278 100

139 20.9 16.6 24.8

279 29.9 18.8 28.2#





#92

Benzo(g,h,i)perylene

Concen: 14.398 ng

RT: 17.092 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF133347.D

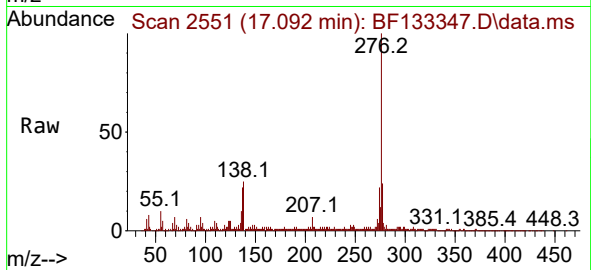
Acq: 10 May 2023 23:46

Instrument :

BNA_F

ClientSampleId :

AU-504-COMP-06



Tgt Ion:276 Resp: 229276

Ion Ratio Lower Upper

276 100

277 23.8 19.4 29.0

138 25.3 22.7 34.1

