

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051023\
 Data File : BF133337.D
 Acq On : 10 May 2023 18:34
 Operator : CG\JU
 Sample : 02691-08
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AU-504-COMP-07

Quant Time: May 11 03:42:08 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

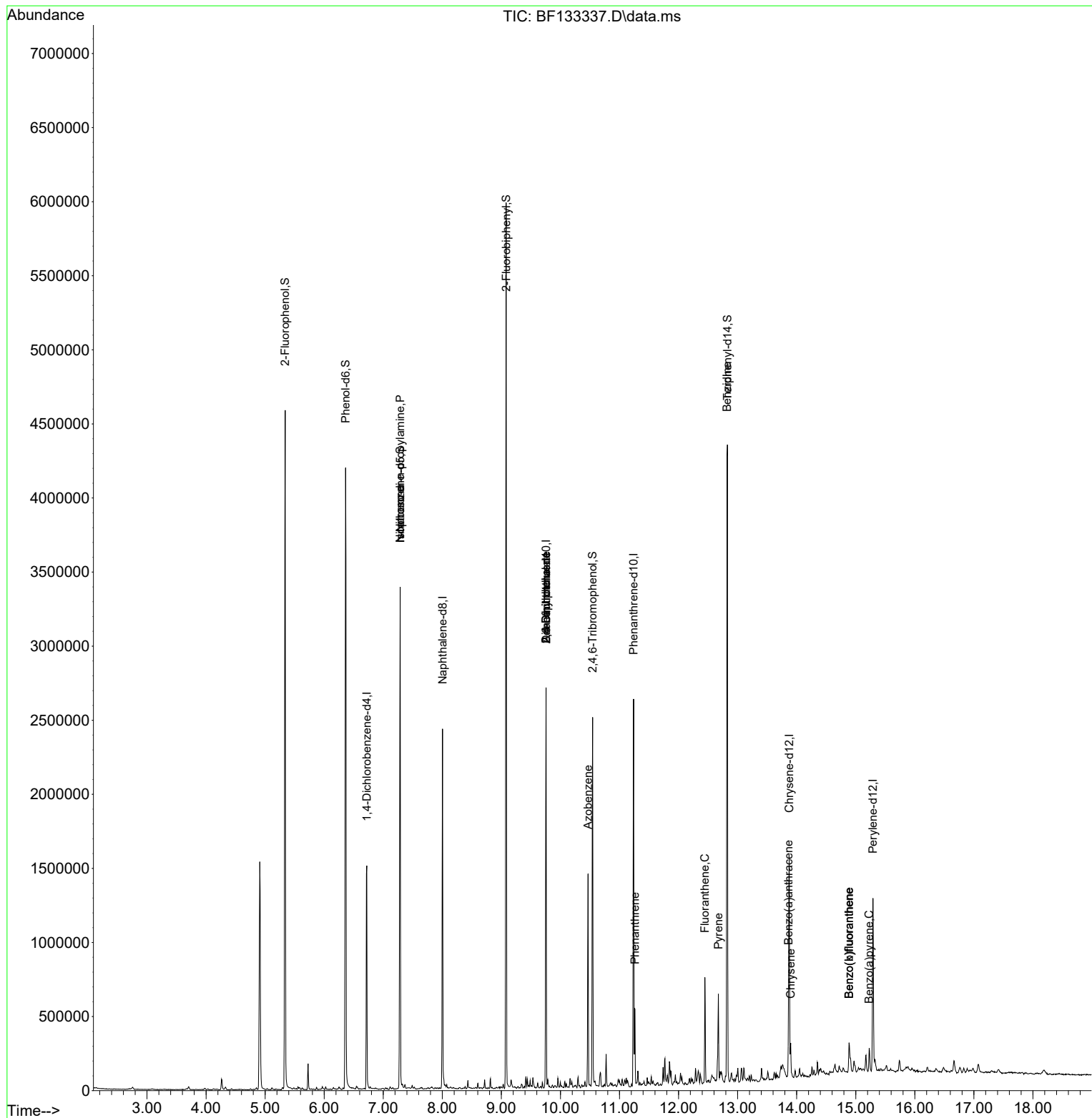
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.722	152	229891	20.000	ng	0.00
21) Naphthalene-d8	8.004	136	952697	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	503985	20.000	ng	0.00
64) Phenanthrene-d10	11.239	188	883149	20.000	ng	0.00
76) Chrysene-d12	13.874	240	450906	20.000	ng	0.00
86) Perylene-d12	15.292	264	485234	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	1313814	86.331	ng	0.01
7) Phenol-d6	6.363	99	1598431	84.621	ng	0.00
23) Nitrobenzene-d5	7.286	82	1010233	57.237	ng	0.00
42) 2,4,6-Tribromophenol	10.545	330	279323	55.109	ng	0.00
45) 2-Fluorobiphenyl	9.080	172	1676663	55.658	ng	0.00
79) Terphenyl-d14	12.827	244	1619151	61.931	ng	0.00
Target Compounds						
9) Benzaldehyde	6.269	77	1640	Below Cal	Qvalue	# 75
19) n-Nitroso-di-n-propyla...	7.286	70	136805	11.634	ng	# 77
25) Isophorone	7.286	82	1008826	30.104	ng	# 63
50) Dimethylphthalate	9.757	163	102350	2.912	ng	# 1
51) 2,6-Dinitrotoluene	9.757	165	65332	8.260	ng	# 25
57) 2,4-Dinitrotoluene	9.757	165	65332	6.477	ng	# 23
63) Azobenzene	10.469	77	222173	6.318	ng	# 1
71) Phenanthrene	11.263	178	193092	4.068	ng	98
75) Fluoranthene	12.445	202	253799	5.328	ng	98
77) Benzidine	12.821	184	21065	2.763	ng	# 89
78) Pyrene	12.674	202	216172	5.593	ng	99
81) Benzo(a)anthracene	13.863	228	95398	3.077	ng	95
83) Chrysene	13.898	228	82430	2.659	ng	98
88) Benzo(b)fluoranthene	14.886	252	135459	4.388	ng	98
89) Benzo(k)fluoranthene	14.886	252	135459	4.427	ng	98
90) Benzo(a)pyrene	15.227	252	73213	2.606	ng	98

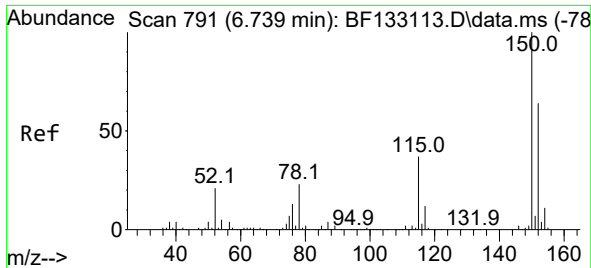
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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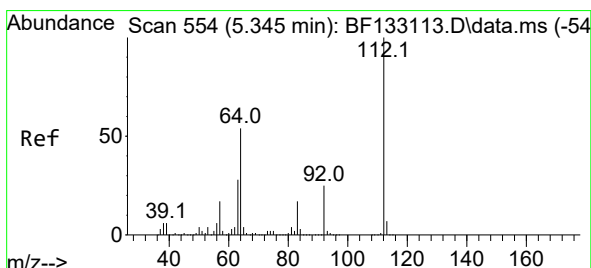
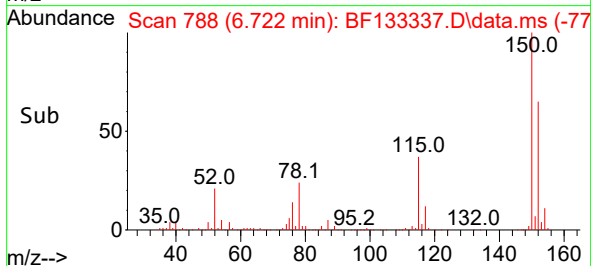
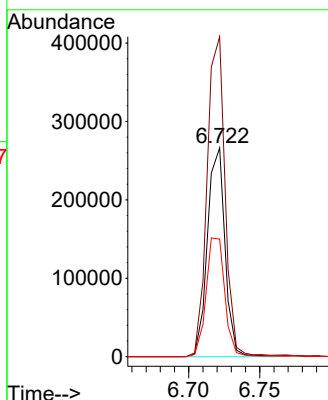
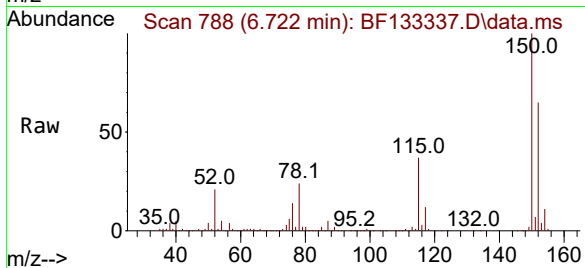




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.722 min Scan# 791
 Delta R.T. -0.000 min
 Lab File: BF133337.D
 Acq: 10 May 2023 18:34

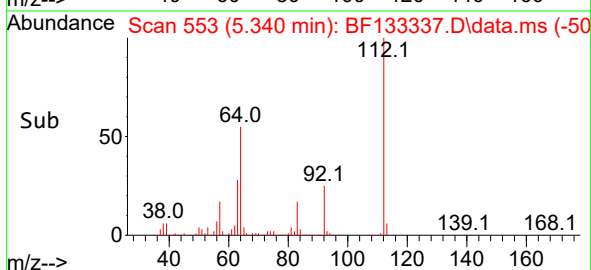
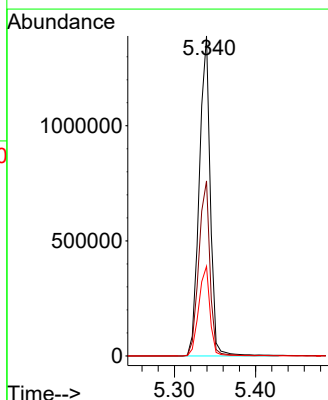
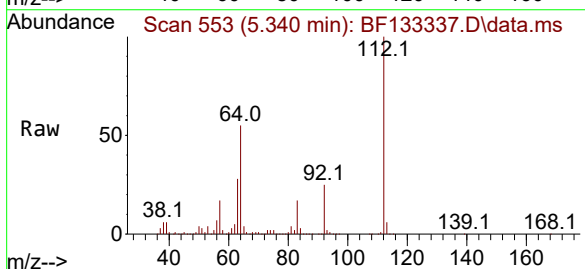
Instrument :
 BNA_F
 ClientSampleId :
 AU-504-COMP-07

Tgt Ion:152 Resp: 229891
 Ion Ratio Lower Upper
 152 100
 150 153.3 124.8 187.2
 115 56.4 49.9 74.9



#5
 2-Fluorophenol
 Concen: 86.331 ng
 RT: 5.340 min Scan# 553
 Delta R.T. 0.012 min
 Lab File: BF133337.D
 Acq: 10 May 2023 18:34

Tgt Ion:112 Resp: 1313814
 Ion Ratio Lower Upper
 112 100
 64 54.7 46.8 70.2
 63 28.0 23.8 35.8

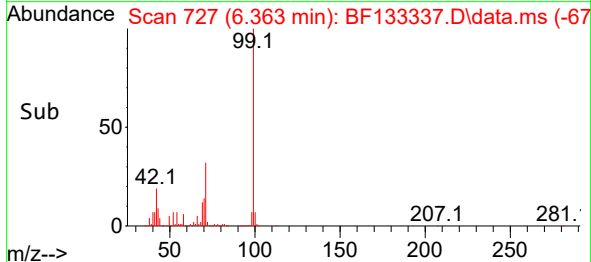
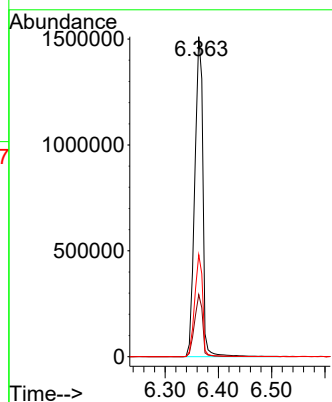
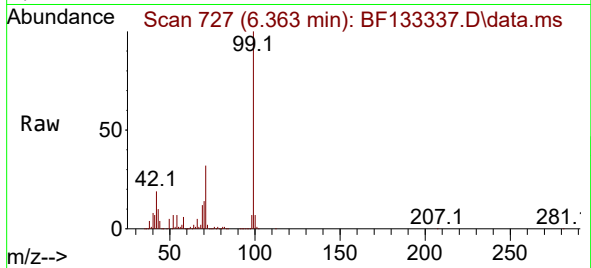




#7
Phenol-d6
Concen: 84.621 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133337.D
Acq: 10 May 2023 18:34

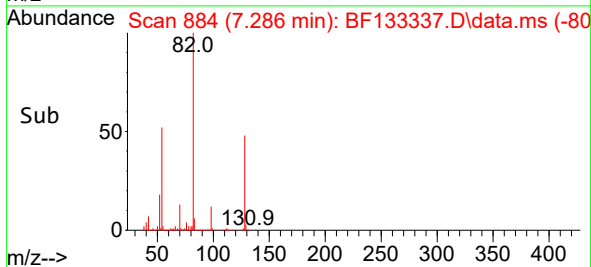
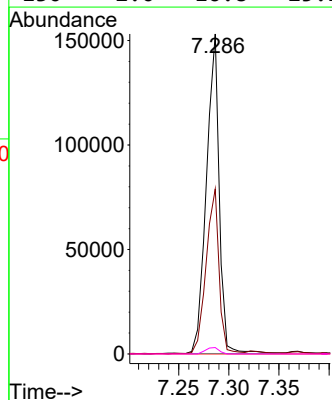
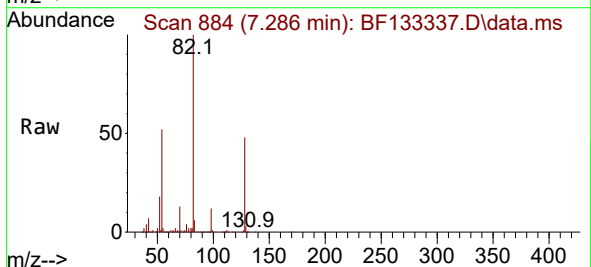
Instrument :
BNA_F
ClientSampleId :
AU-504-COMP-07

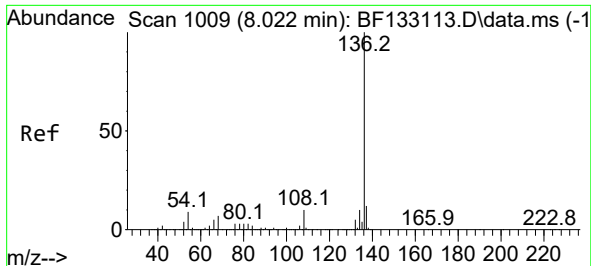
Tgt Ion: 99 Resp: 1598431
Ion Ratio Lower Upper
99 100
42 19.4 16.3 24.5
71 31.8 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 11.634 ng
RT: 7.286 min Scan# 884
Delta R.T. 0.141 min
Lab File: BF133337.D
Acq: 10 May 2023 18:34

Tgt Ion: 70 Resp: 136805
Ion Ratio Lower Upper
70 100
42 51.5 51.8 77.6#
101 0.0 8.0 12.0#
130 2.0 16.8 25.2#

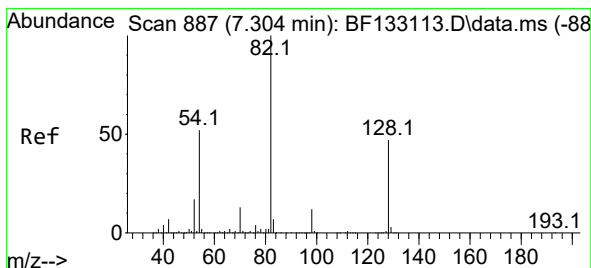
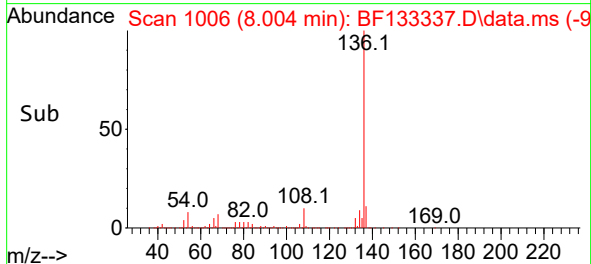
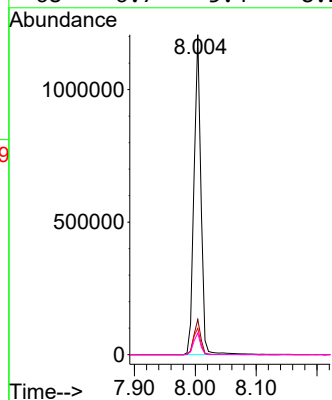
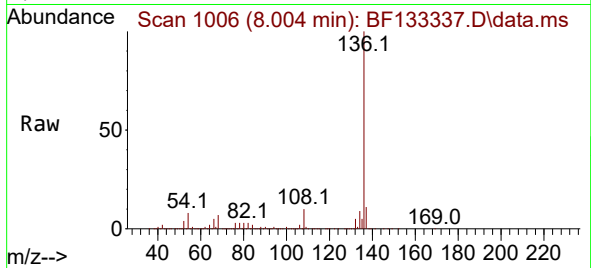




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.004 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BF133337.D
Acq: 10 May 2023 18:34

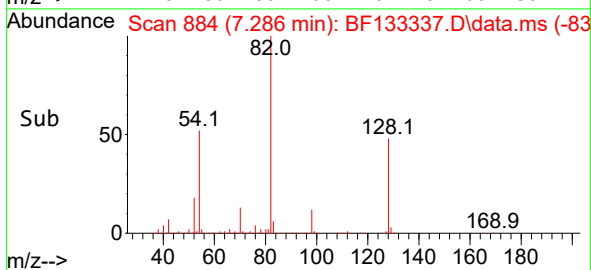
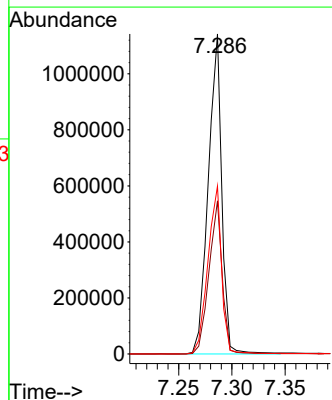
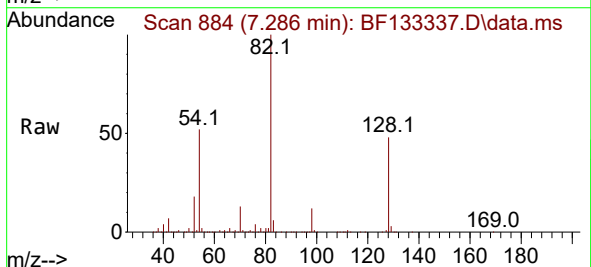
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ClientSampleId :
AU-504-COMP-07

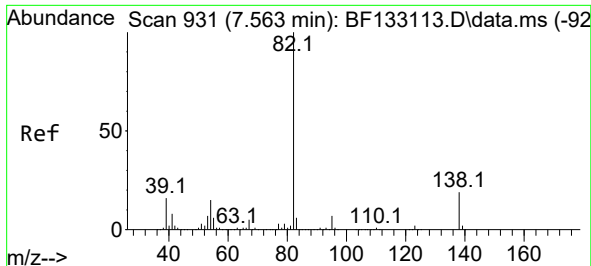
Tgt Ion:136 Resp: 952697
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 8.3 7.0 10.4
68 6.7 5.4 8.2



#23
Nitrobenzene-d5
Concen: 57.237 ng
RT: 7.286 min Scan# 884
Delta R.T. -0.006 min
Lab File: BF133337.D
Acq: 10 May 2023 18:34

Tgt Ion: 82 Resp: 1010233
Ion Ratio Lower Upper
82 100
128 47.8 37.7 56.5
54 52.5 43.0 64.4

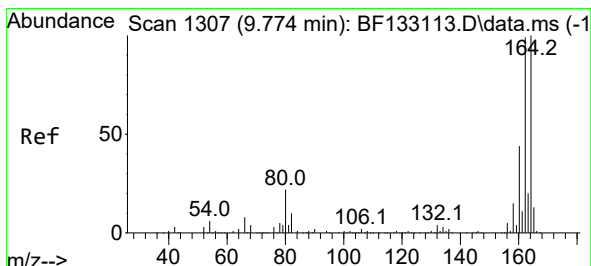
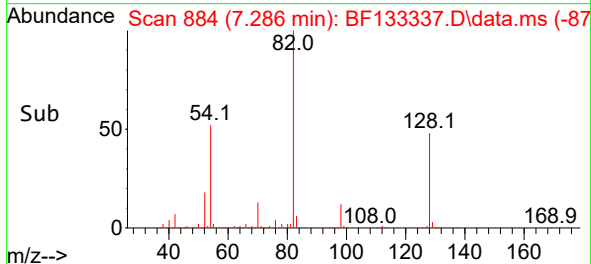
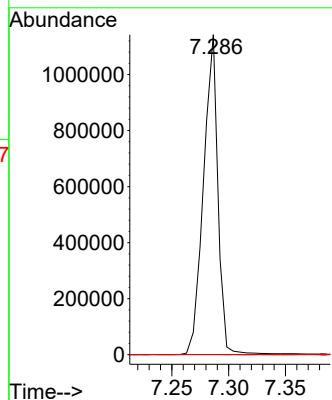
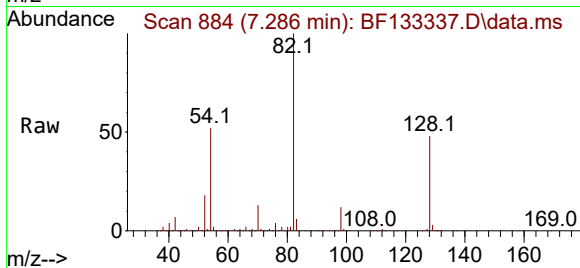




#25
Isophorone
Concen: 30.104 ng
RT: 7.286 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF133337.D
Acq: 10 May 2023 18:34

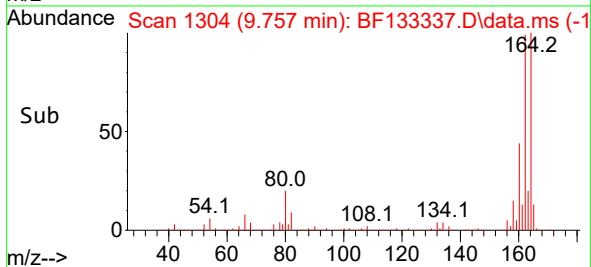
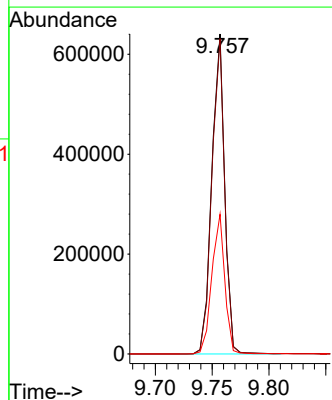
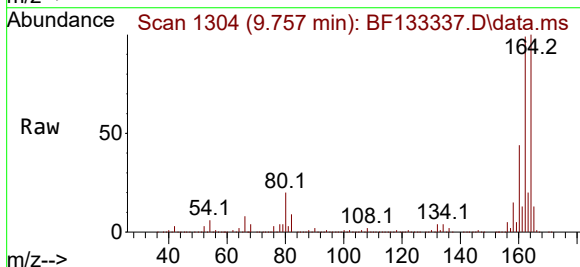
Instrument :
BNA_F
ClientSampleId :
AU-504-COMP-07

Tgt Ion: 82 Resp: 1008826
Ion Ratio Lower Upper
82 100
95 0.1 5.4 8.0#
138 0.0 16.0 24.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.757 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BF133337.D
Acq: 10 May 2023 18:34

Tgt Ion:164 Resp: 503985
Ion Ratio Lower Upper
164 100
162 98.6 78.7 118.1
160 43.6 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 55.109 ng

RT: 10.545 min Scan# 1441

Delta R.T. -0.006 min

Lab File: BF133337.D

Acq: 10 May 2023 18:34

Instrument :

BNA_F

ClientSampleId :

AU-504-COMP-07

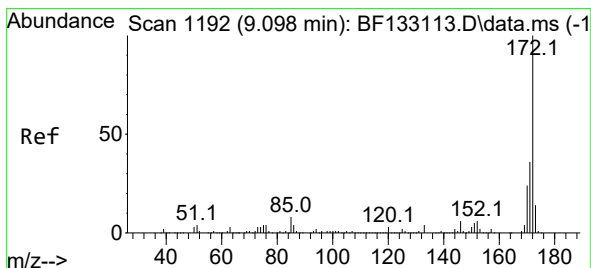
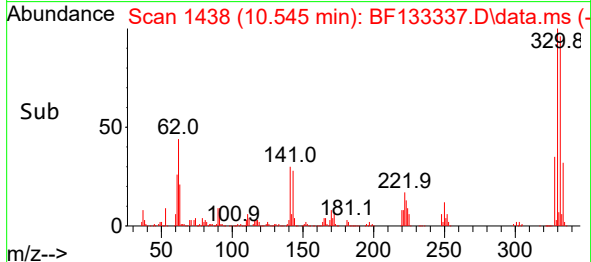
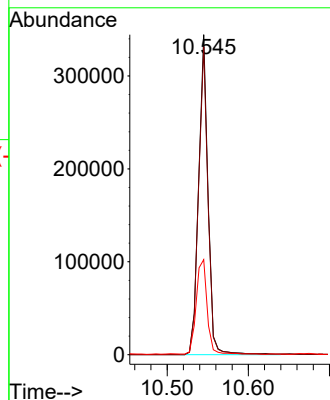
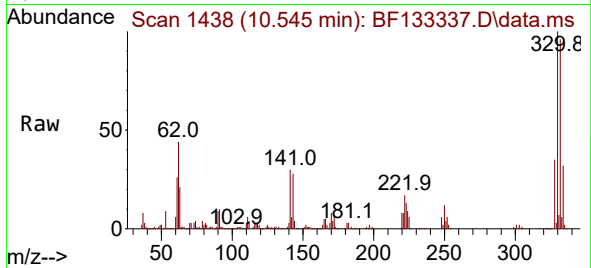
Tgt Ion:330 Resp: 279323

Ion Ratio Lower Upper

330 100

332 96.7 77.1 115.7

141 33.9 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 55.658 ng

RT: 9.080 min Scan# 1189

Delta R.T. -0.006 min

Lab File: BF133337.D

Acq: 10 May 2023 18:34

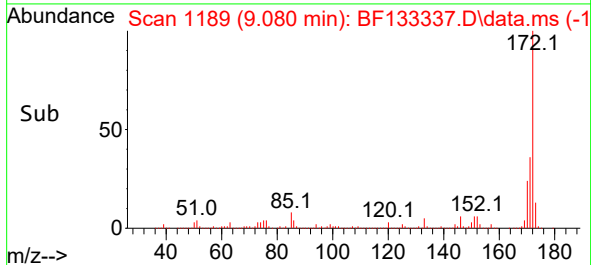
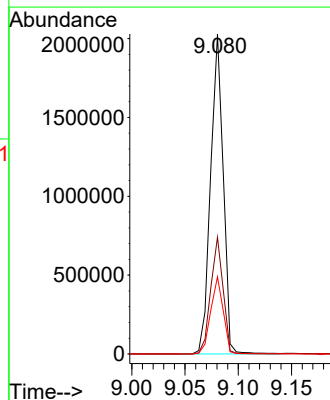
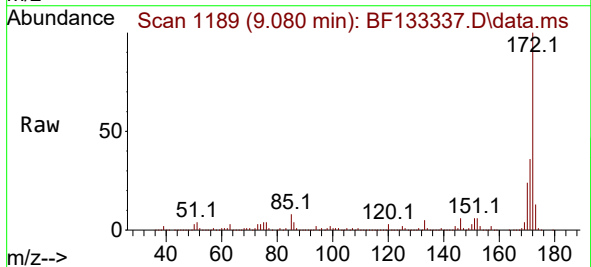
Tgt Ion:172 Resp: 1676663

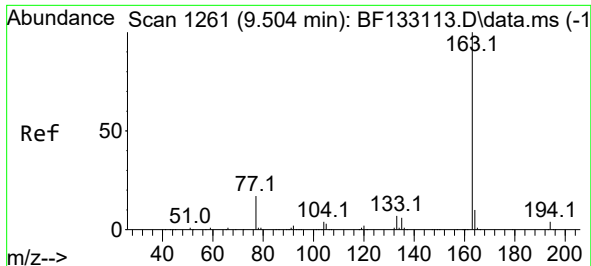
Ion Ratio Lower Upper

172 100

171 36.5 28.8 43.2

170 24.1 19.4 29.2

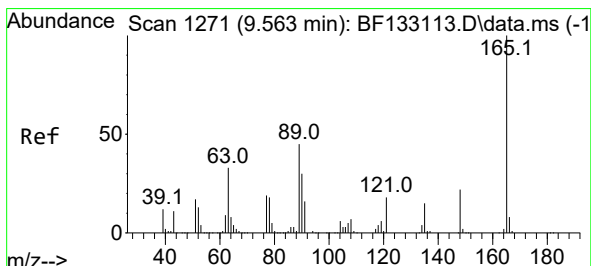
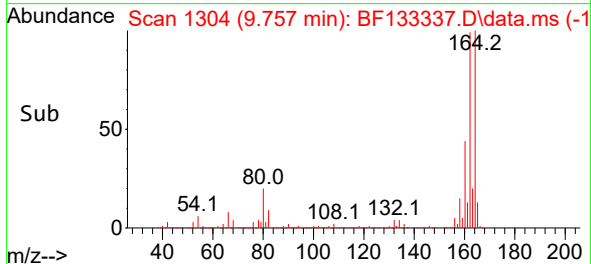
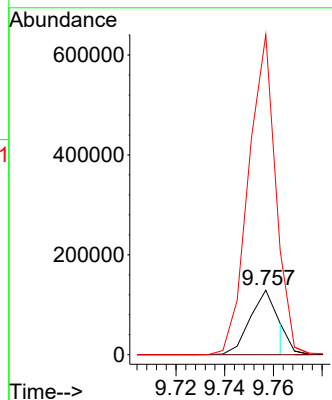
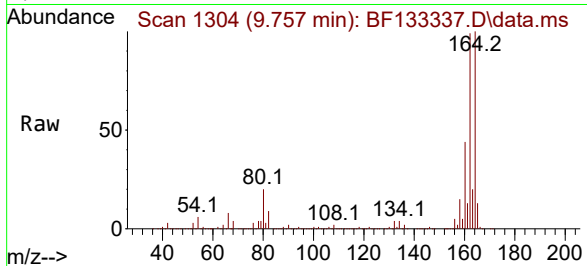




#50
Dimethylphthalate
Concen: 2.912 ng
RT: 9.757 min Scan# 1304
Delta R.T. 0.265 min
Lab File: BF133337.D
Acq: 10 May 2023 18:34

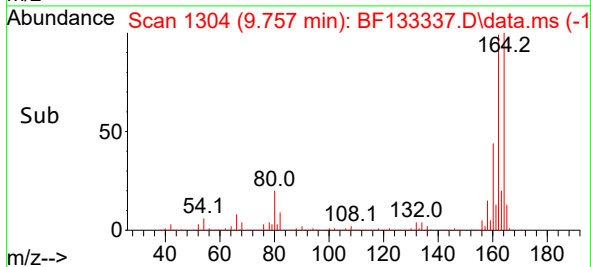
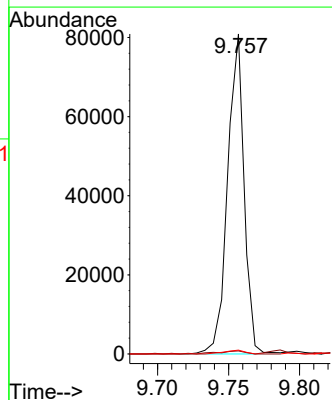
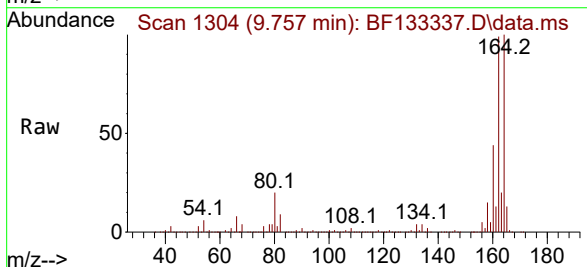
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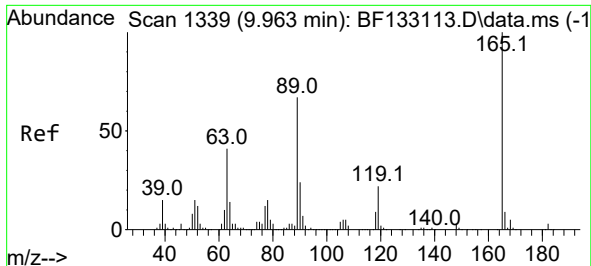
Tgt Ion:163 Resp: 102350
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 496.3 8.5 12.7#



#51
2,6-Dinitrotoluene
Concen: 8.260 ng
RT: 9.757 min Scan# 1304
Delta R.T. 0.206 min
Lab File: BF133337.D
Acq: 10 May 2023 18:34

Tgt Ion:165 Resp: 65332
Ion Ratio Lower Upper
165 100
63 1.0 45.9 68.9#
89 1.2 44.0 66.0#

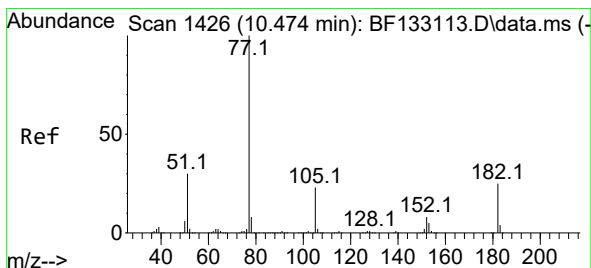
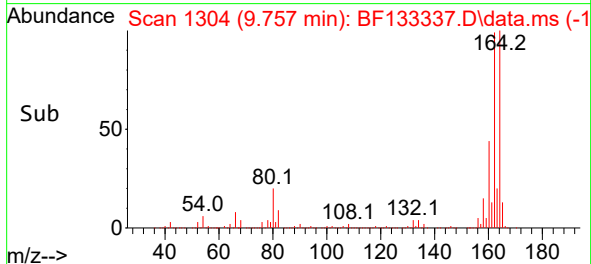
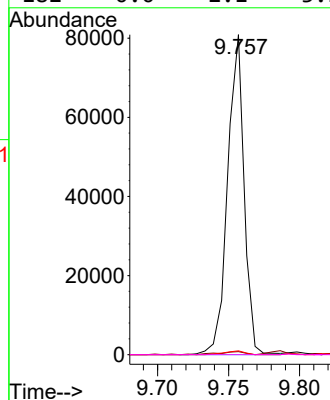
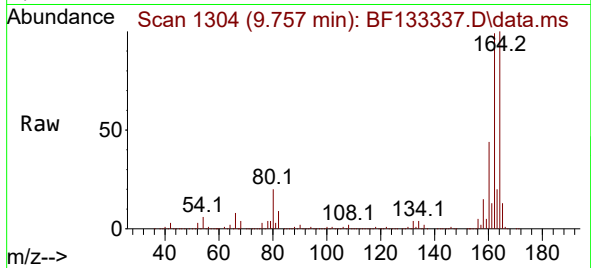




#57
2,4-Dinitrotoluene
Concen: 6.477 ng
RT: 9.757 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF133337.D
Acq: 10 May 2023 18:34

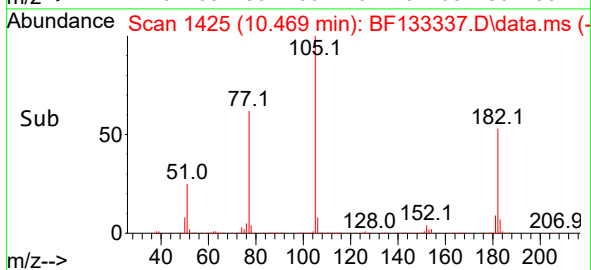
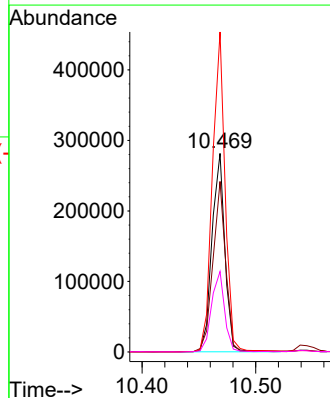
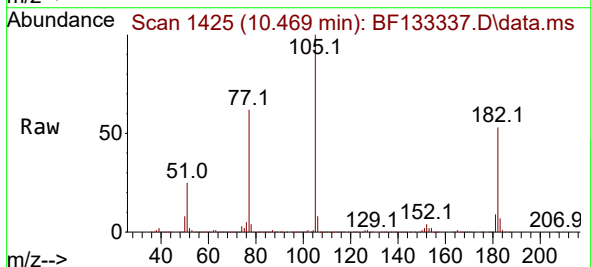
Instrument :
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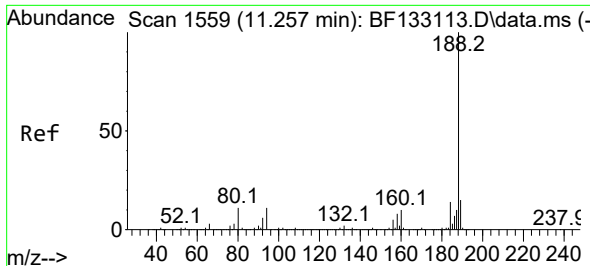
Tgt Ion:165 Resp: 65332
Ion Ratio Lower Upper
165 100
63 1.0 37.7 56.5#
89 1.2 57.0 85.4#
182 0.0 2.1 3.1#



#63
Azobenzene
Concen: 6.318 ng
RT: 10.469 min Scan# 1425
Delta R.T. 0.006 min
Lab File: BF133337.D
Acq: 10 May 2023 18:34

Tgt Ion: 77 Resp: 222173
Ion Ratio Lower Upper
77 100
182 85.9 5.9 45.9#
105 161.1 2.3 42.3#
51 40.5 11.1 51.1

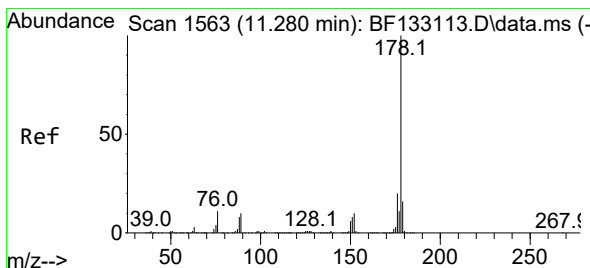
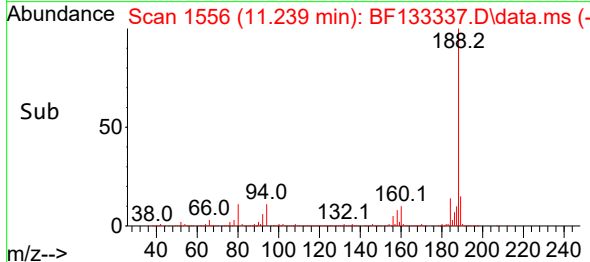
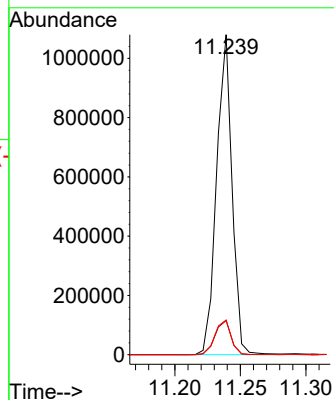
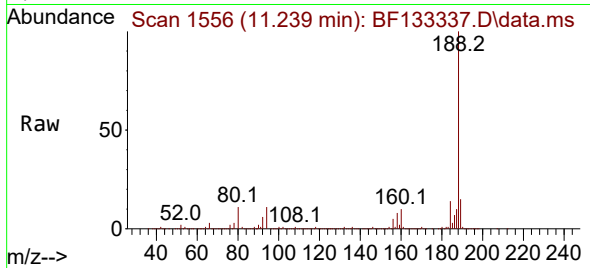




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.239 min Scan# 1556
Delta R.T. -0.006 min
Lab File: BF133337.D
Acq: 10 May 2023 18:34

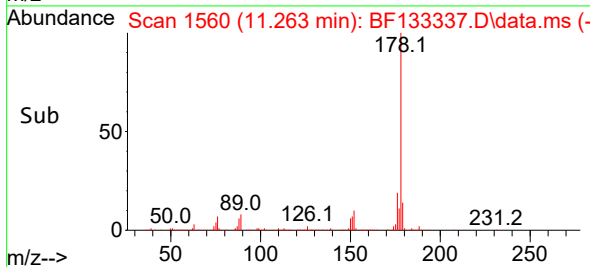
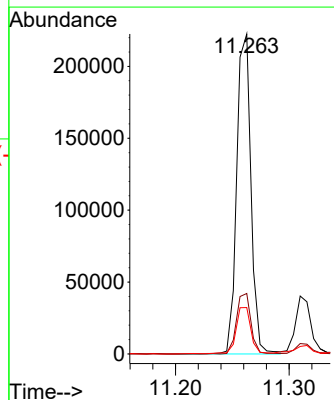
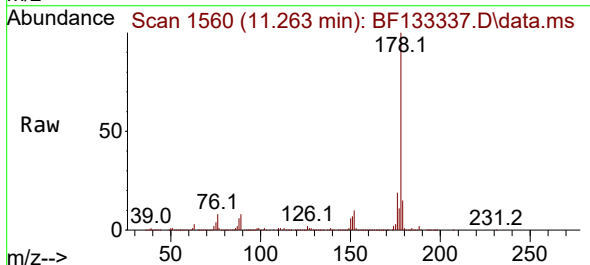
Instrument :
BNA_F
ClientSampleId :
AU-504-COMP-07

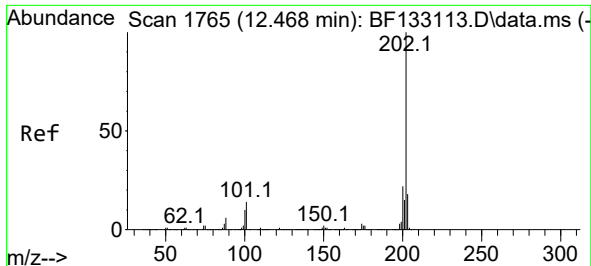
Tgt Ion:188 Resp: 883149
Ion Ratio Lower Upper
188 100
94 10.7 9.7 14.5
80 10.8 10.4 15.6



#71
Phenanthrene
Concen: 4.068 ng
RT: 11.263 min Scan# 1560
Delta R.T. -0.006 min
Lab File: BF133337.D
Acq: 10 May 2023 18:34

Tgt Ion:178 Resp: 193092
Ion Ratio Lower Upper
178 100
176 18.9 15.9 23.9
179 14.5 12.5 18.7

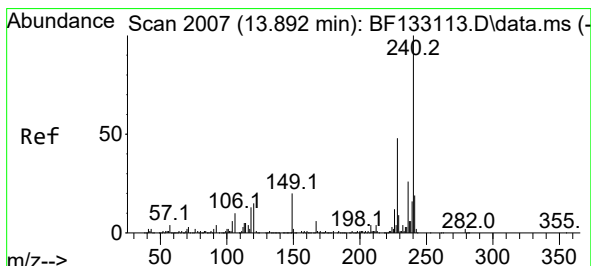
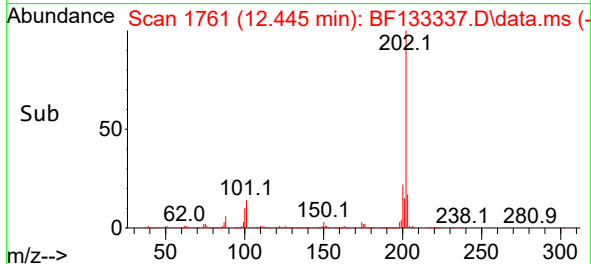
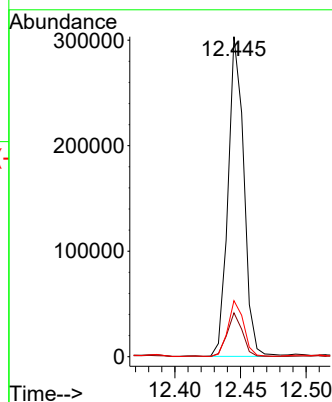
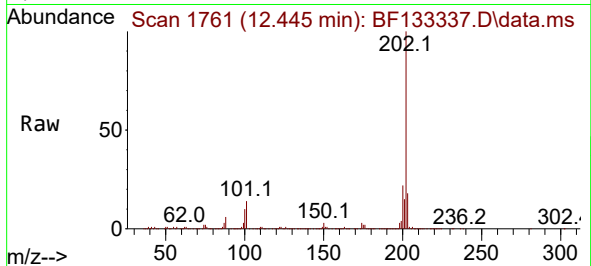




#75
Fluoranthene
Concen: 5.328 ng
RT: 12.445 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF133337.D
Acq: 10 May 2023 18:34

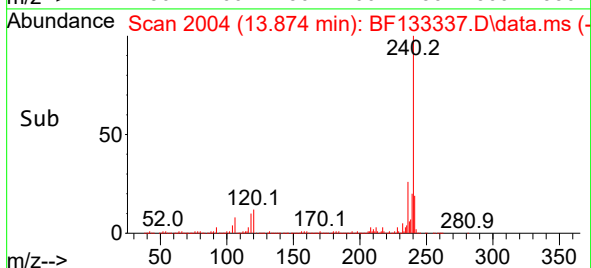
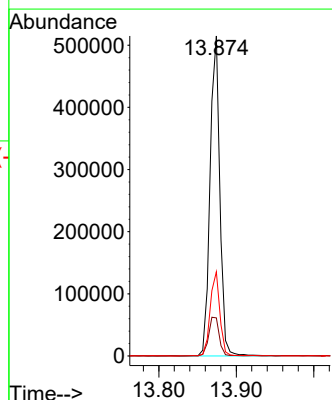
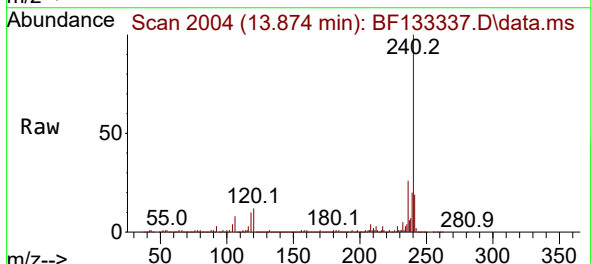
Instrument :
BNA_F
ClientSampleId :
AU-504-COMP-07

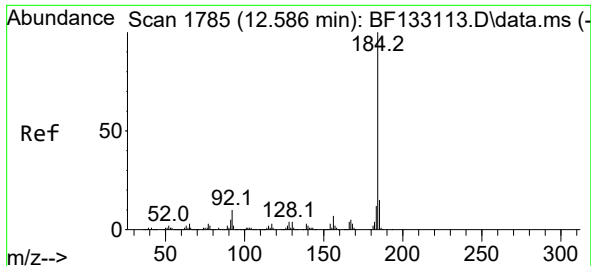
Tgt Ion:202 Resp: 253799
Ion Ratio Lower Upper
202 100
101 13.7 0.0 35.3
203 17.5 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.874 min Scan# 2004
Delta R.T. -0.006 min
Lab File: BF133337.D
Acq: 10 May 2023 18:34

Tgt Ion:240 Resp: 450906
Ion Ratio Lower Upper
240 100
120 11.9 10.5 15.7
236 26.3 21.5 32.3

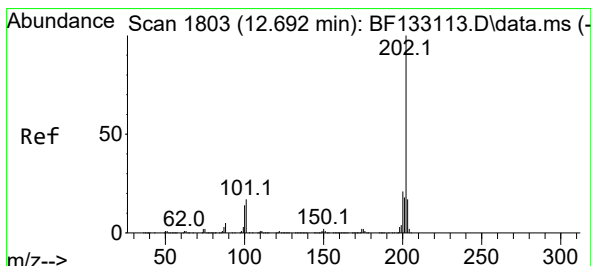
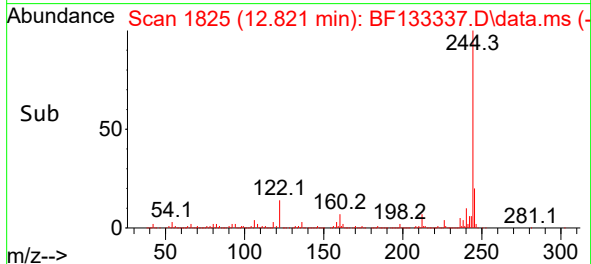
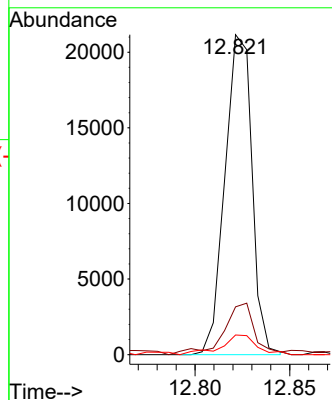
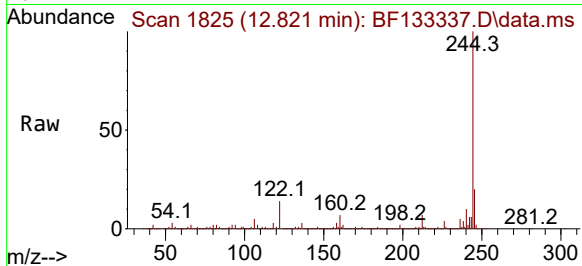




#77
Benzidine
Concen: 2.763 ng
RT: 12.821 min Scan# 1825
Delta R.T. 0.247 min
Lab File: BF133337.D
Acq: 10 May 2023 18:34

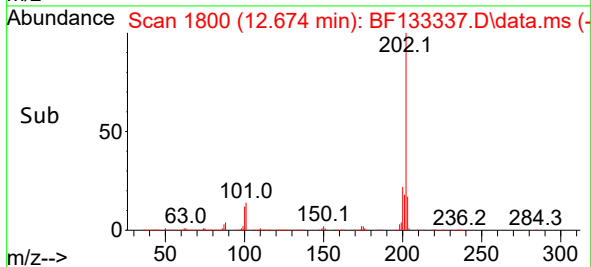
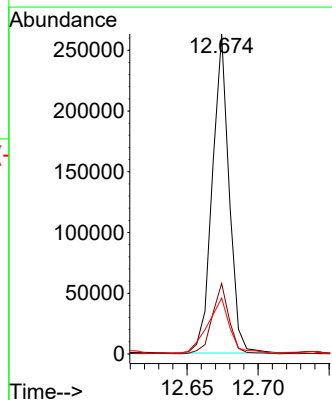
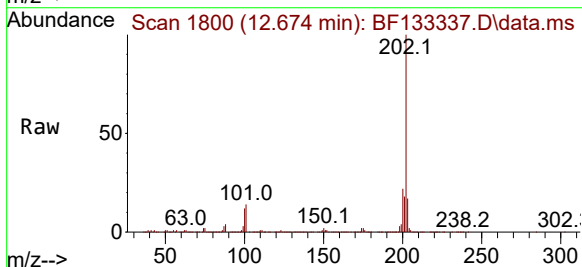
Instrument :
BNA_F
ClientSampleId :
AU-504-COMP-07

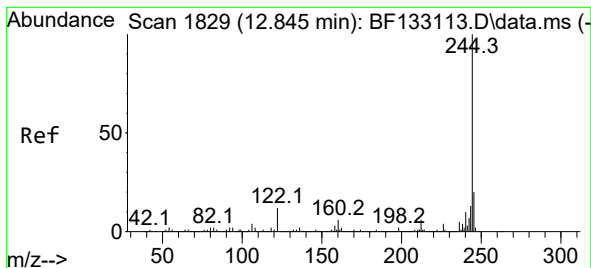
Tgt Ion:184 Resp: 21065
Ion Ratio Lower Upper
184 100
185 15.0 15.4 23.2#
183 6.1 9.4 14.0#



#78
Pyrene
Concen: 5.593 ng
RT: 12.674 min Scan# 1800
Delta R.T. -0.006 min
Lab File: BF133337.D
Acq: 10 May 2023 18:34

Tgt Ion:202 Resp: 216172
Ion Ratio Lower Upper
202 100
200 22.0 17.1 25.7
203 17.5 14.1 21.1





#79

Terphenyl-d14

Concen: 61.931 ng

RT: 12.827 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133337.D

Acq: 10 May 2023 18:34

Instrument :

BNA_F

ClientSampleId :

AU-504-COMP-07

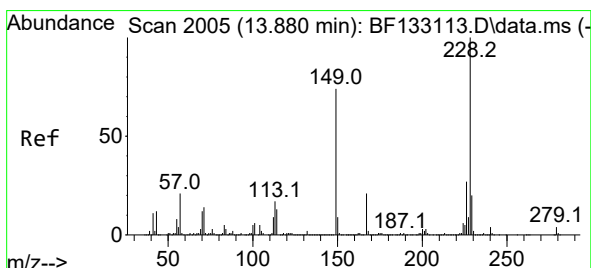
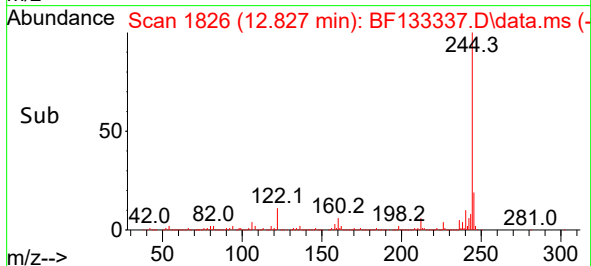
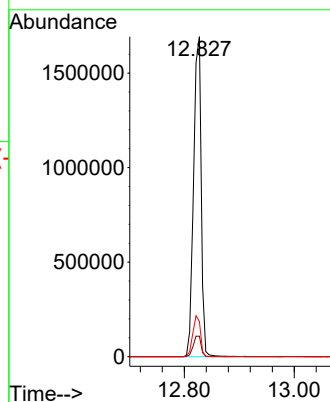
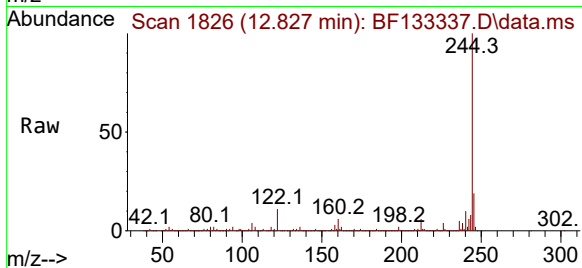
Tgt Ion:244 Resp: 1619151

Ion Ratio Lower Upper

244 100

212 6.4 5.1 7.7

122 11.0 8.6 13.0



#81

Benzo(a)anthracene

Concen: 3.077 ng

RT: 13.863 min Scan# 2002

Delta R.T. -0.006 min

Lab File: BF133337.D

Acq: 10 May 2023 18:34

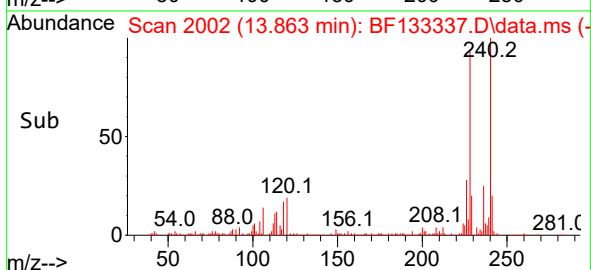
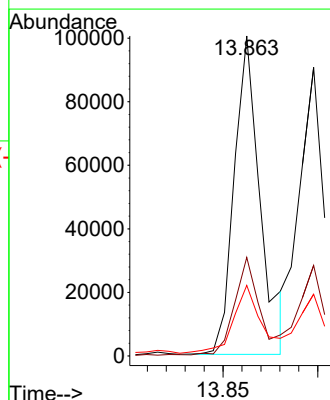
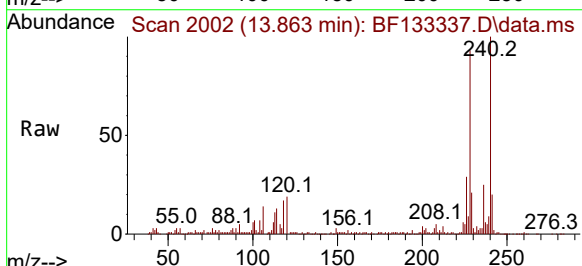
Tgt Ion:228 Resp: 95398

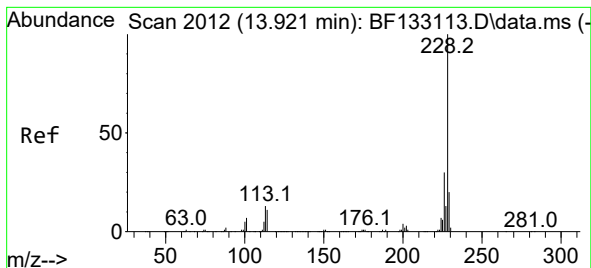
Ion Ratio Lower Upper

228 100

226 30.8 22.2 33.4

229 22.0 16.0 24.0





#83

Chrysene

Concen: 2.659 ng

RT: 13.898 min Scan# 2012

Delta R.T. -0.012 min

Lab File: BF133337.D

Acq: 10 May 2023 18:34

Instrument :

BNA_F

ClientSampleId :

AU-504-COMP-07

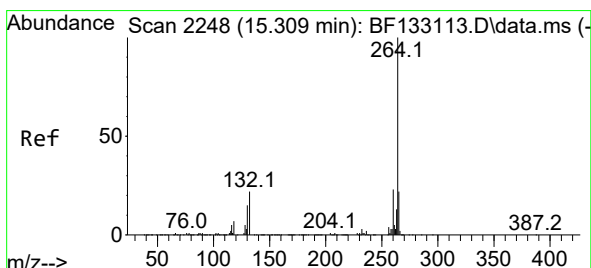
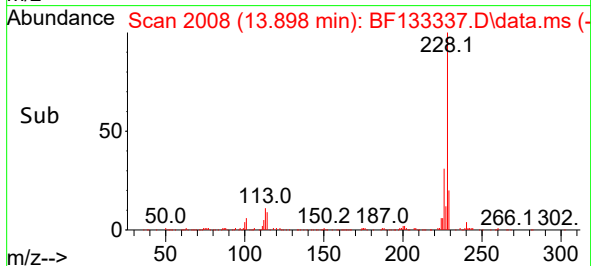
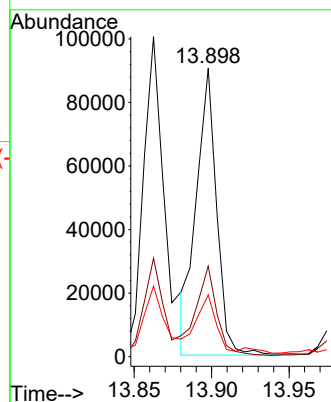
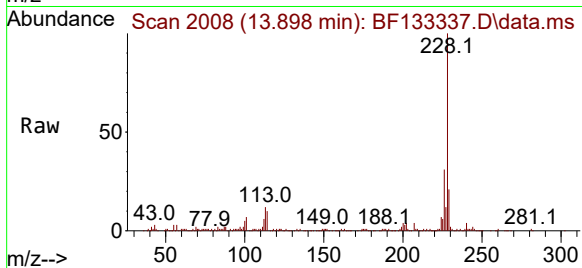
Tgt Ion:228 Resp: 82430

Ion Ratio Lower Upper

228 100

226 31.4 24.7 37.1

229 21.4 16.1 24.1



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.292 min Scan# 2245

Delta R.T. 0.000 min

Lab File: BF133337.D

Acq: 10 May 2023 18:34

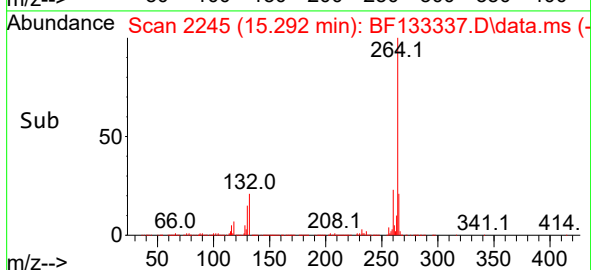
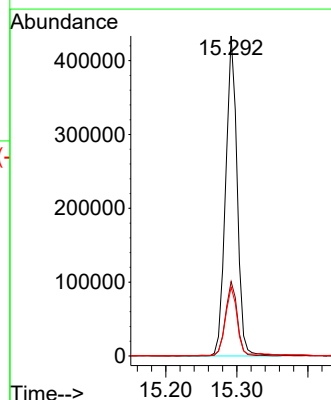
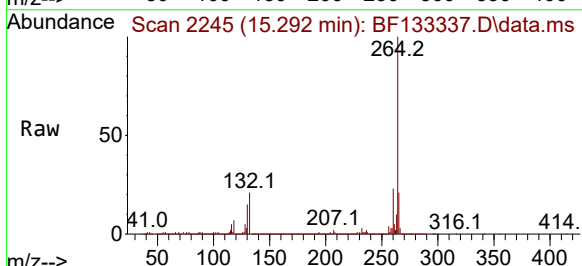
Tgt Ion:264 Resp: 485234

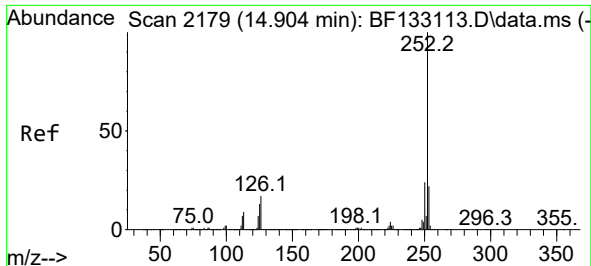
Ion Ratio Lower Upper

264 100

260 23.3 18.8 28.2

265 21.5 17.0 25.4

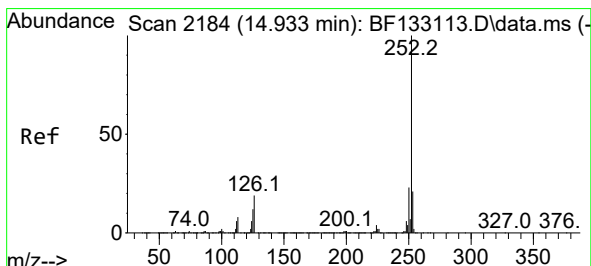
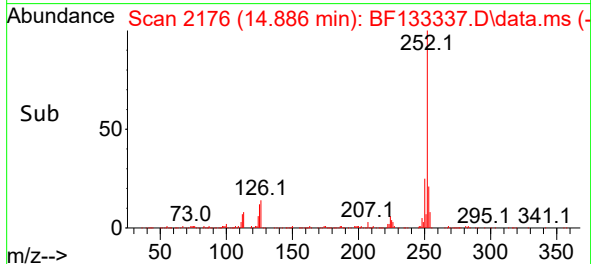
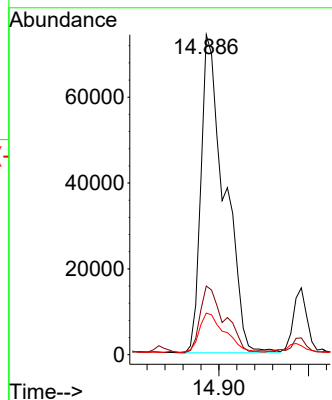
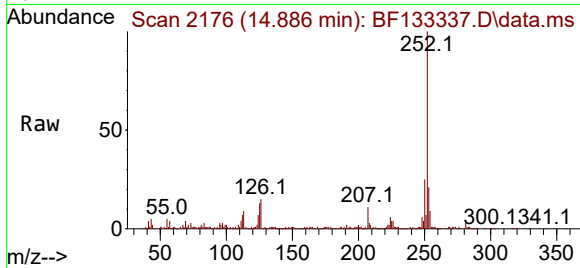




#88
Benzo(b)fluoranthene
Concen: 4.388 ng
RT: 14.886 min Scan# 2176
Delta R.T. -0.006 min
Lab File: BF133337.D
Acq: 10 May 2023 18:34

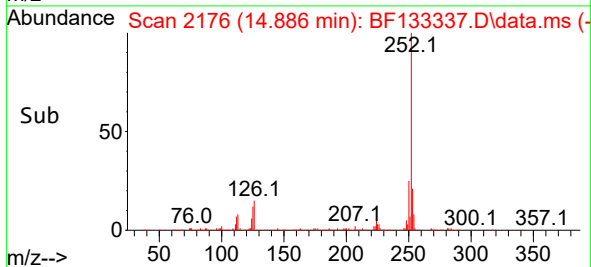
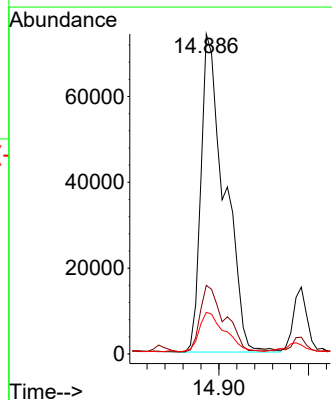
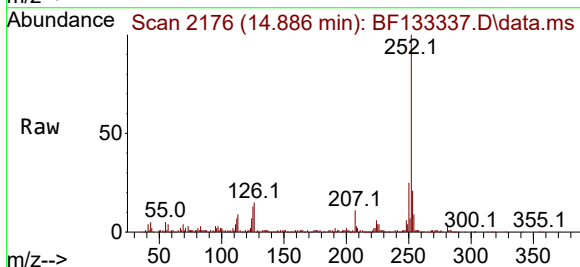
Instrument :
BNA_F
ClientSampleId :
AU-504-COMP-07

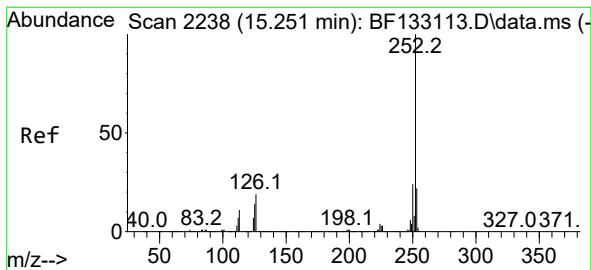
Tgt Ion:252 Resp: 135459
Ion Ratio Lower Upper
252 100
253 21.5 17.6 26.4
125 13.0 8.9 13.3



#89
Benzo(k)fluoranthene
Concen: 4.427 ng
RT: 14.886 min Scan# 2176
Delta R.T. -0.035 min
Lab File: BF133337.D
Acq: 10 May 2023 18:34

Tgt Ion:252 Resp: 135459
Ion Ratio Lower Upper
252 100
253 21.5 17.7 26.5
125 13.0 9.0 13.4





#90

Benzo(a)pyrene

Concen: 2.606 ng

RT: 15.227 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF133337.D

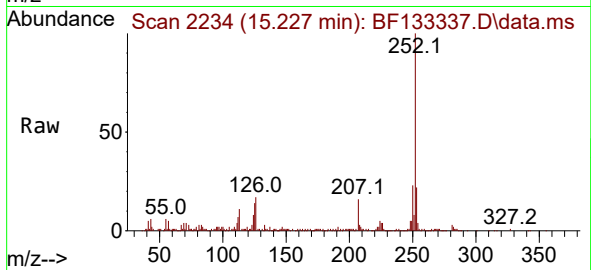
Acq: 10 May 2023 18:34

Instrument :

BNA_F

ClientSampleId :

AU-504-COMP-07



Tgt Ion:252 Resp: 73213

Ion Ratio Lower Upper

252 100

253 21.7 17.7 26.5

125 14.5 10.5 15.7

