

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050923\
 Data File : BF133321.D
 Acq On : 09 May 2023 17:11
 Operator : CG\JU
 Sample : 02690-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-3-050823

Quant Time: May 10 01:48:33 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

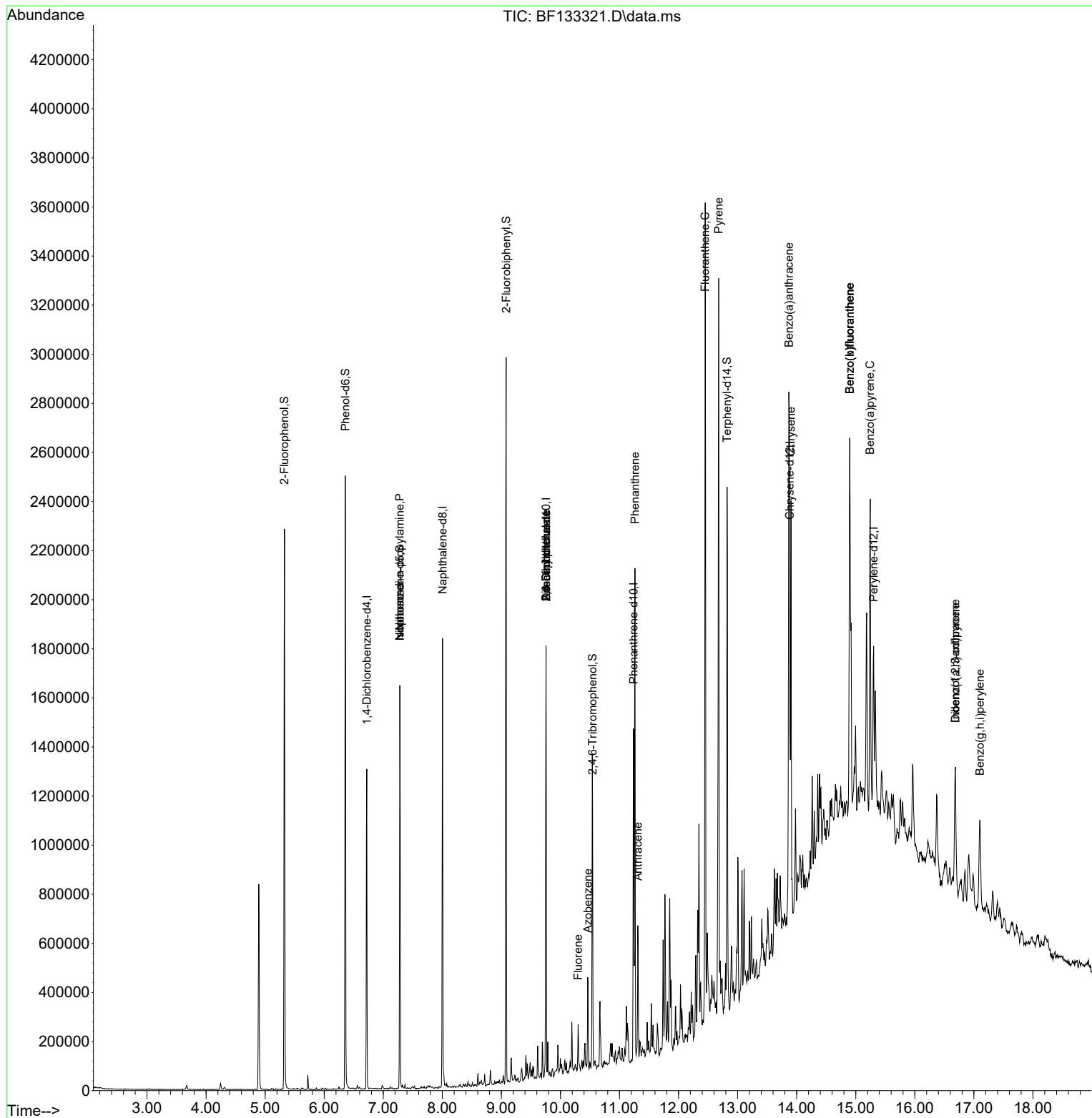
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.722	152	176431	20.000	ng	0.00
21) Naphthalene-d8	8.004	136	690472	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	319863	20.000	ng	0.00
64) Phenanthrene-d10	11.239	188	483798	20.000	ng	# 0.00
76) Chrysene-d12	13.880	240	352643	20.000	ng	0.00
86) Perylene-d12	15.304	264	298759	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.328	112	619671	53.057	ng	0.00
7) Phenol-d6	6.357	99	745830	51.448	ng	-0.01
23) Nitrobenzene-d5	7.281	82	441314	34.499	ng	-0.01
42) 2,4,6-Tribromophenol	10.545	330	130471	40.559	ng	0.00
45) 2-Fluorobiphenyl	9.080	172	820557	42.918	ng	0.00
79) Terphenyl-d14	12.821	244	705269	34.493	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.263	77	667	Below Cal		Qvalue # 26
19) n-Nitroso-di-n-propyla...	7.281	70	58695	6.504	ng	# 77
25) Isophorone	7.281	82	440403	18.133	ng	# 63
50) Dimethylphthalate	9.757	163	65249	2.926	ng	# 1
51) 2,6-Dinitrotoluene	9.757	165	42940	8.554	ng	# 25
57) 2,4-Dinitrotoluene	9.757	165	42940	6.707	ng	# 23
58) Fluorene	10.298	166	46269	2.330	ng	97
63) Azobenzene	10.463	77	57784	2.589	ng	# 1
71) Phenanthrene	11.263	178	680019	26.152	ng	99
72) Anthracene	11.310	178	198759	7.469	ng	100
75) Fluoranthene	12.451	202	1252480	47.994	ng	99
78) Pyrene	12.680	202	1215500	40.209	ng	99
81) Benzo(a)anthracene	13.868	228	701062	28.910	ng	98
83) Chrysene	13.904	228	675924	27.880	ng	97
87) Indeno(1,2,3-cd)pyrene	16.686	276	315849	18.586	ng	94
88) Benzo(b)fluoranthene	14.898	252	1056858	55.604	ng	# 96
89) Benzo(k)fluoranthene	14.898	252	1056858	56.093	ng	# 96
90) Benzo(a)pyrene	15.245	252	572577	33.097	ng	98
91) Dibenzo(a,h)anthracene	16.686	278	83055	5.860	ng	# 87
92) Benzo(g,h,i)perylene	17.103	276	301295	21.532	ng	99

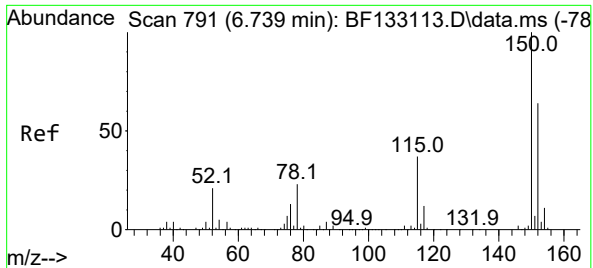
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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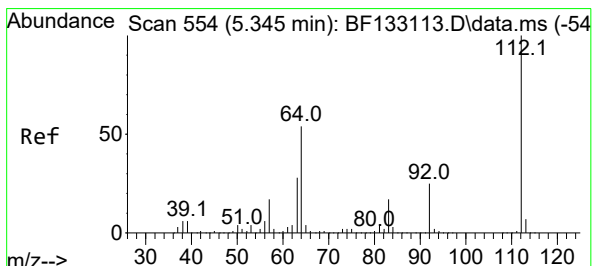
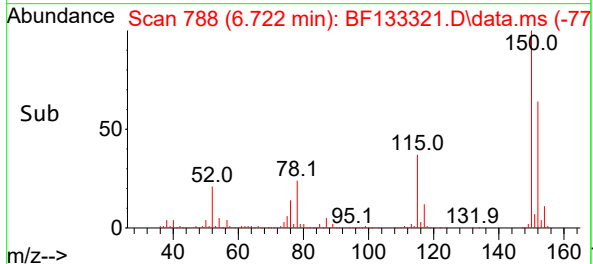
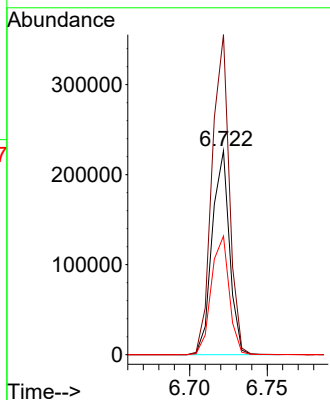
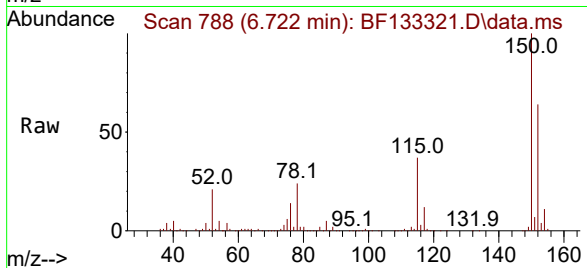




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.722 min Scan# 791
 Delta R.T. -0.000 min
 Lab File: BF133321.D
 Acq: 09 May 2023 17:11

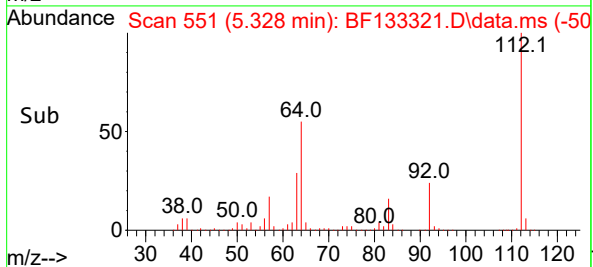
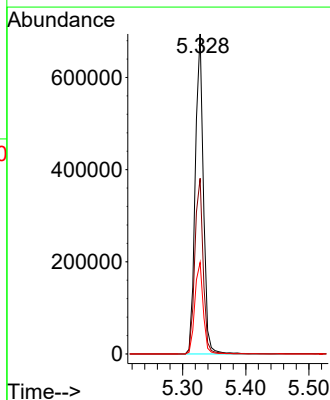
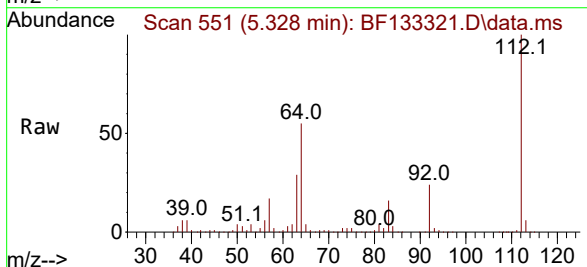
Instrument :
 BNA_F
 ClientSampleId :
 OR-3-050823

Tgt Ion:152 Resp: 176431
 Ion Ratio Lower Upper
 152 100
 150 157.0 124.8 187.2
 115 58.2 49.9 74.9



#5
 2-Fluorophenol
 Concen: 53.057 ng
 RT: 5.328 min Scan# 551
 Delta R.T. 0.000 min
 Lab File: BF133321.D
 Acq: 09 May 2023 17:11

Tgt Ion:112 Resp: 619671
 Ion Ratio Lower Upper
 112 100
 64 54.9 46.8 70.2
 63 28.6 23.8 35.8

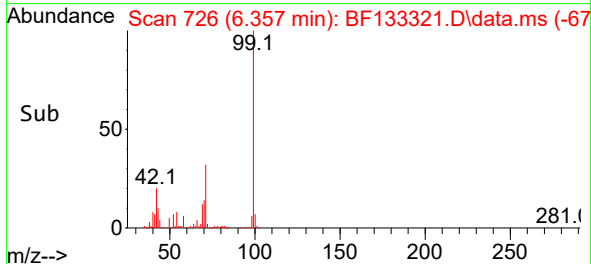
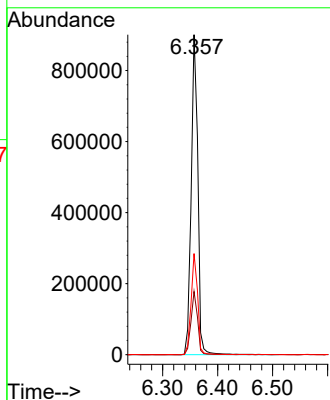
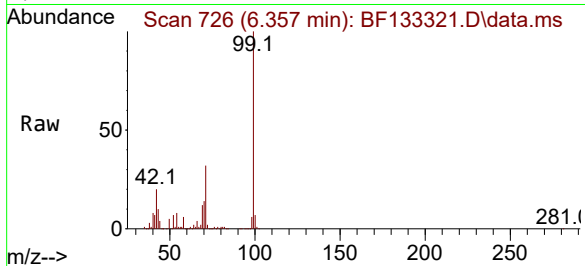




#7
Phenol-d6
Concen: 51.448 ng
RT: 6.357 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF133321.D
Acq: 09 May 2023 17:11

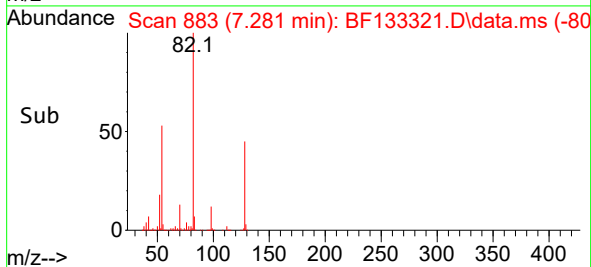
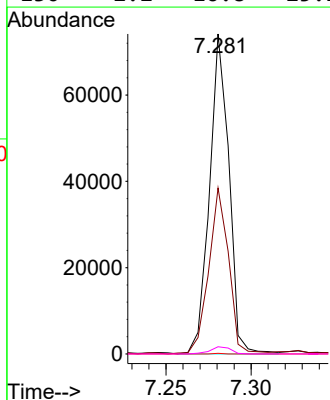
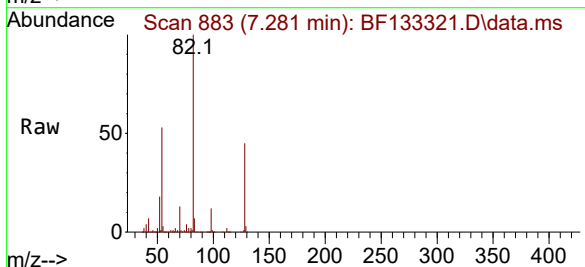
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ClientSampleId :
OR-3-050823

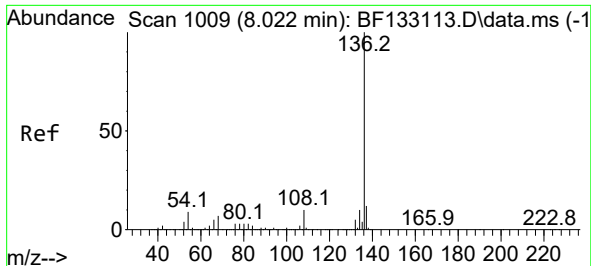
Tgt Ion: 99 Resp: 745830
Ion Ratio Lower Upper
99 100
42 19.7 16.3 24.5
71 31.6 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 6.504 ng
RT: 7.281 min Scan# 883
Delta R.T. 0.135 min
Lab File: BF133321.D
Acq: 09 May 2023 17:11

Tgt Ion: 70 Resp: 58695
Ion Ratio Lower Upper
70 100
42 51.8 51.8 77.6
101 0.2 8.0 12.0#
130 2.2 16.8 25.2#

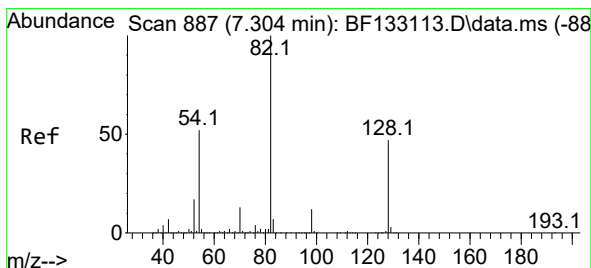
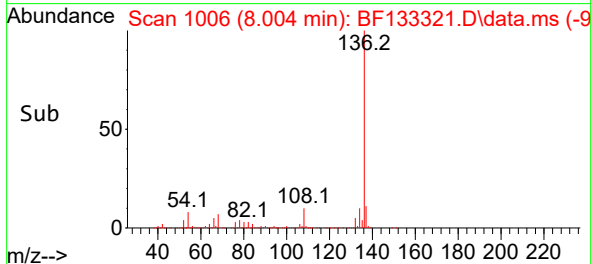
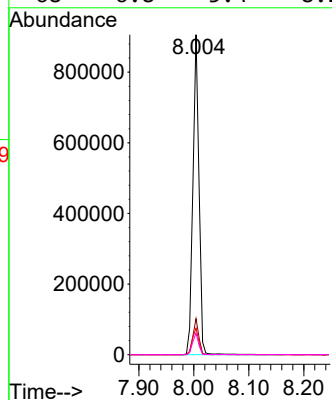
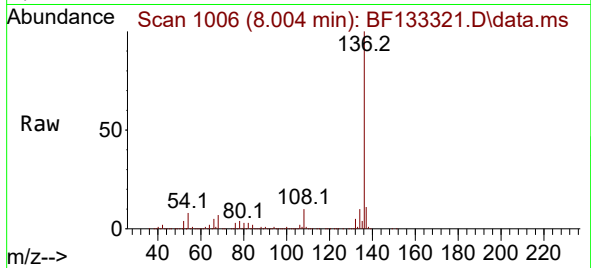




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.004 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF133321.D
Acq: 09 May 2023 17:11

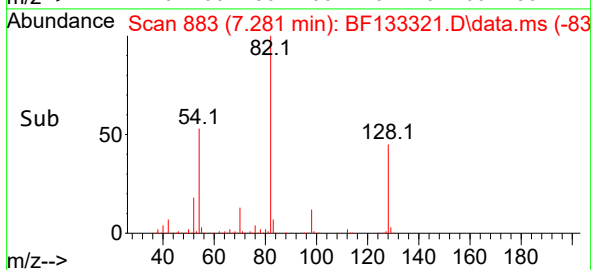
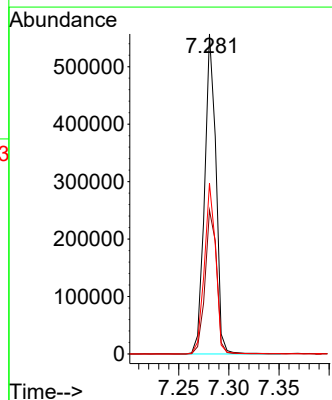
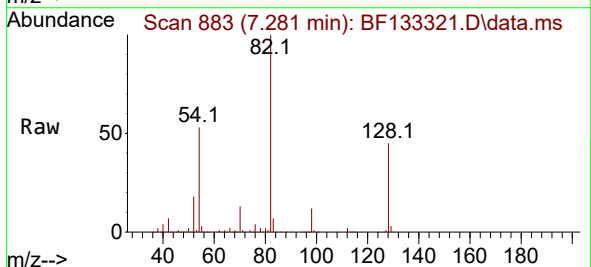
Instrument :
BNA_F
ClientSampleId :
OR-3-050823

Tgt Ion:136 Resp: 690472
Ion Ratio Lower Upper
136 100
137 11.3 8.6 13.0
54 8.3 7.0 10.4
68 6.8 5.4 8.2



#23
Nitrobenzene-d5
Concen: 34.499 ng
RT: 7.281 min Scan# 883
Delta R.T. -0.012 min
Lab File: BF133321.D
Acq: 09 May 2023 17:11

Tgt Ion: 82 Resp: 441314
Ion Ratio Lower Upper
82 100
128 44.9 37.7 56.5
54 53.3 43.0 64.4

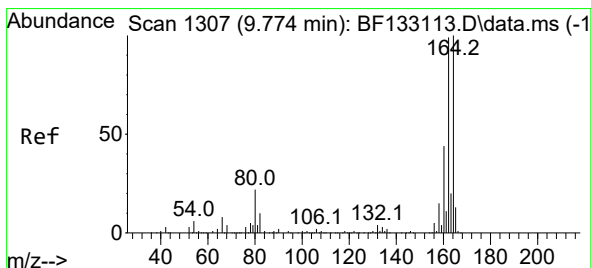
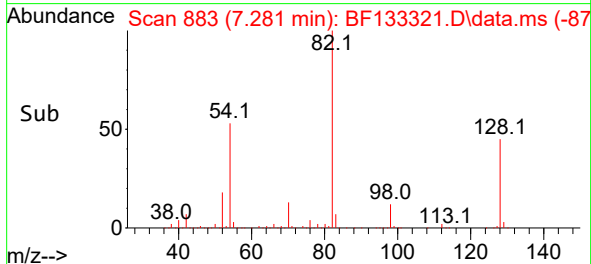
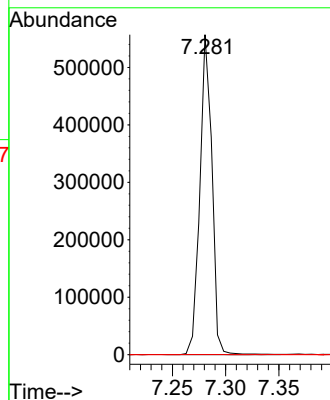
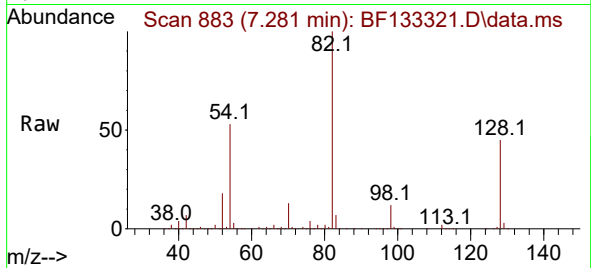




#25
Isophorone
Concen: 18.133 ng
RT: 7.281 min Scan# 81
Delta R.T. -0.271 min
Lab File: BF133321.D
Acq: 09 May 2023 17:11

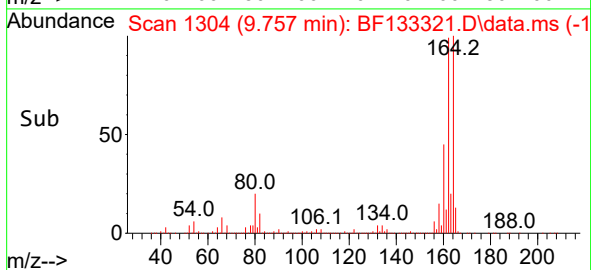
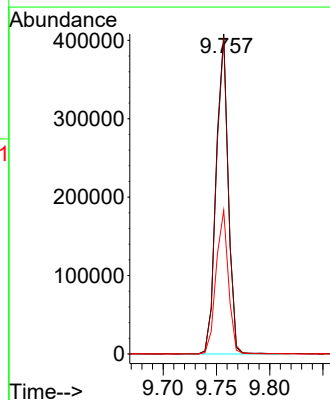
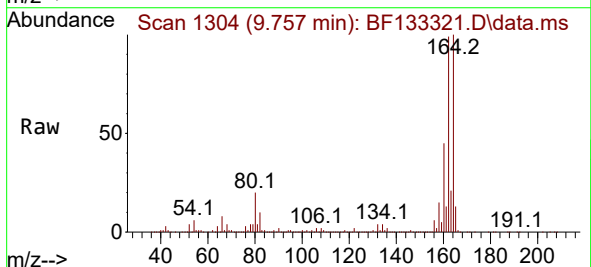
Instrument :
BNA_F
ClientSampleId :
OR-3-050823

Tgt Ion: 82 Resp: 440403
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: BF133321.D
Acq: 09 May 2023 17:11

Tgt Ion: 164 Resp: 319863
Ion Ratio Lower Upper
164 100
162 99.0 78.7 118.1
160 44.9 35.8 53.6

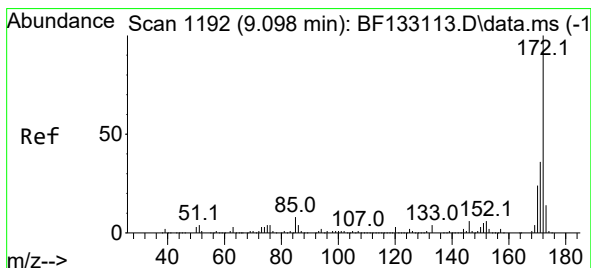
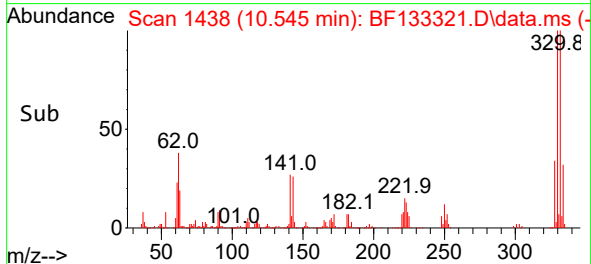
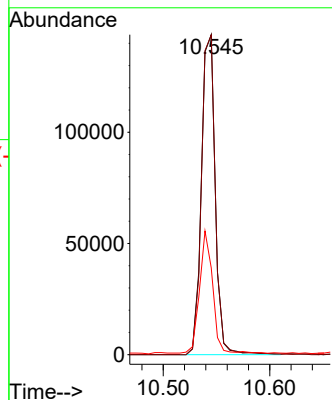
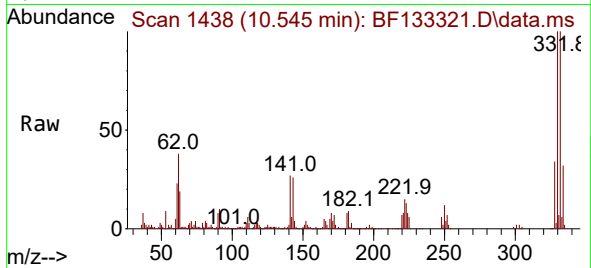




#42
2,4,6-Tribromophenol
Concen: 40.559 ng
RT: 10.545 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF133321.D
Acq: 09 May 2023 17:11

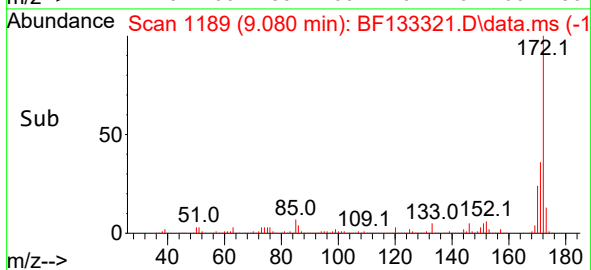
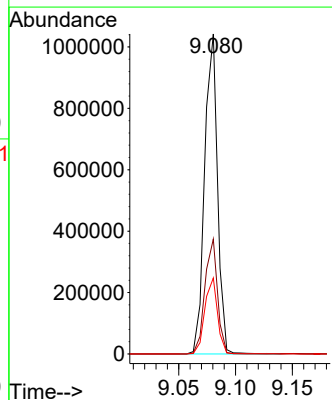
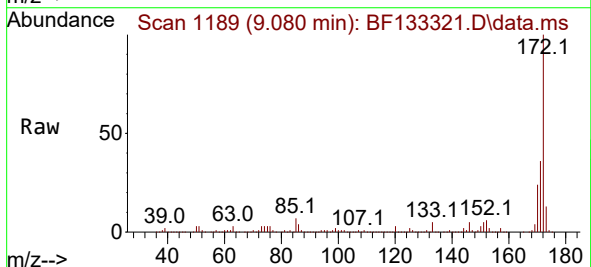
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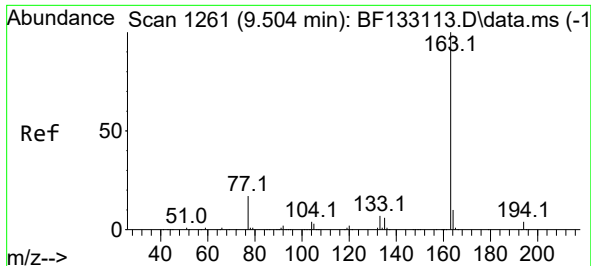
Tgt Ion: 330 Resp: 130471
Ion Ratio Lower Upper
330 100
332 99.8 77.1 115.7
141 35.3 25.8 38.8



#45
2-Fluorobiphenyl
Concen: 42.918 ng
RT: 9.080 min Scan# 1189
Delta R.T. -0.006 min
Lab File: BF133321.D
Acq: 09 May 2023 17:11

Tgt Ion: 172 Resp: 820557
Ion Ratio Lower Upper
172 100
171 35.9 28.8 43.2
170 23.7 19.4 29.2

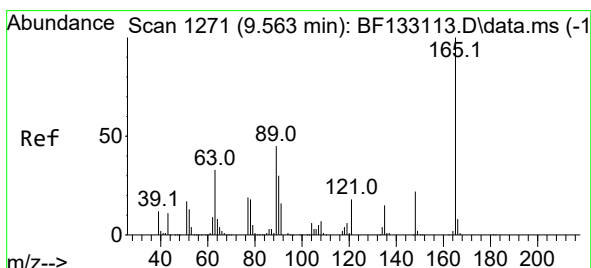
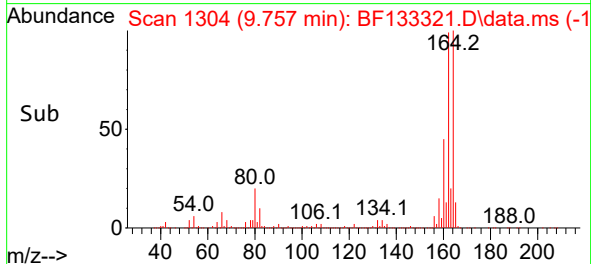
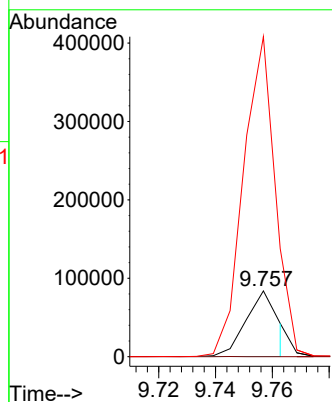
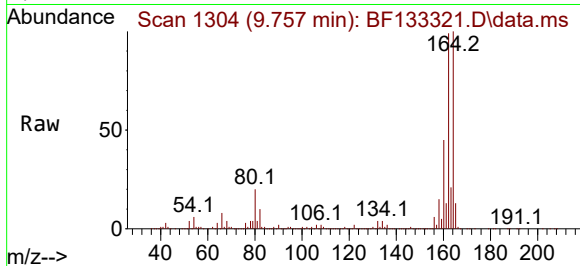




#50
 Dimethylphthalate
 Concen: 2.926 ng
 RT: 9.757 min Scan# 1304
 Delta R.T. 0.265 min
 Lab File: BF133321.D
 Acq: 09 May 2023 17:11

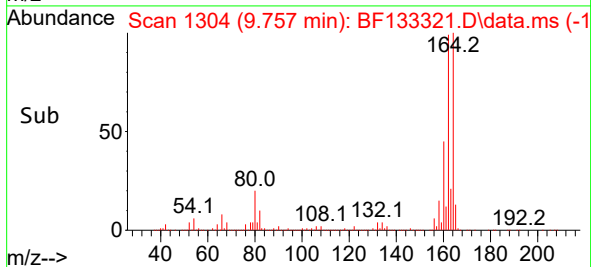
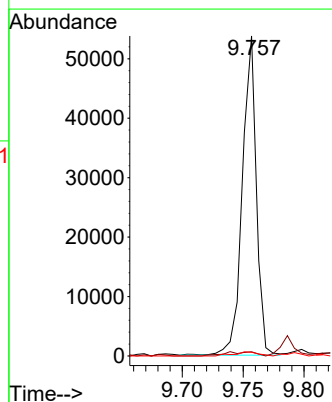
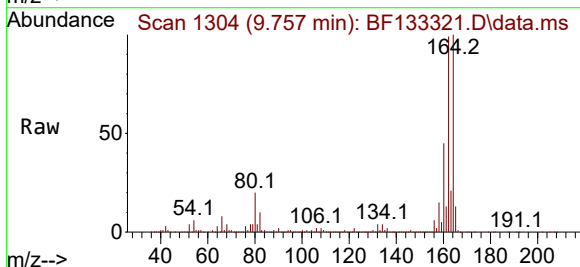
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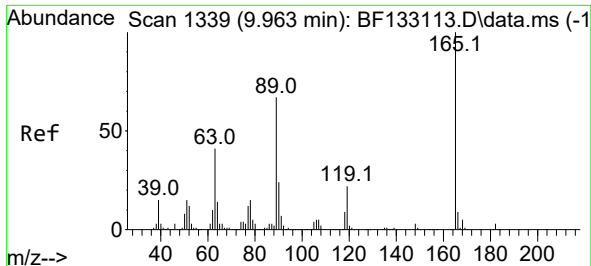
Tgt Ion:163 Resp: 65249
 Ion Ratio Lower Upper
 163 100
 194 0.0 3.1 4.7#
 164 486.3 8.5 12.7#



#51
 2,6-Dinitrotoluene
 Concen: 8.554 ng
 RT: 9.757 min Scan# 1304
 Delta R.T. 0.206 min
 Lab File: BF133321.D
 Acq: 09 May 2023 17:11

Tgt Ion:165 Resp: 42940
 Ion Ratio Lower Upper
 165 100
 63 1.3 45.9 68.9#
 89 1.2 44.0 66.0#

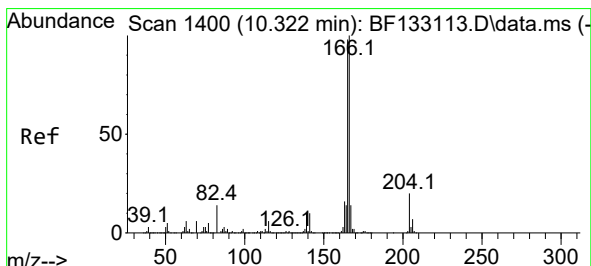
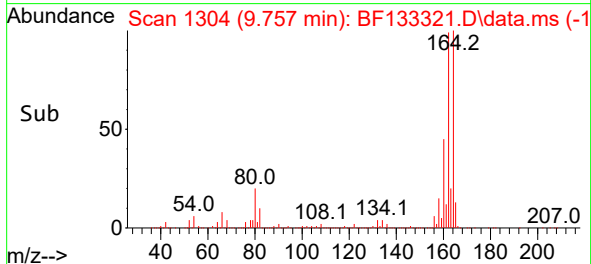
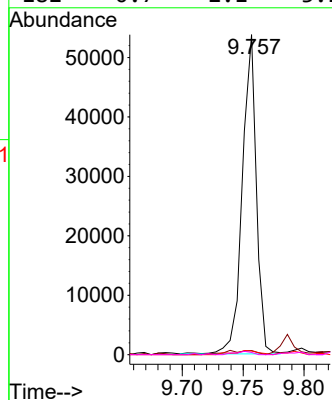
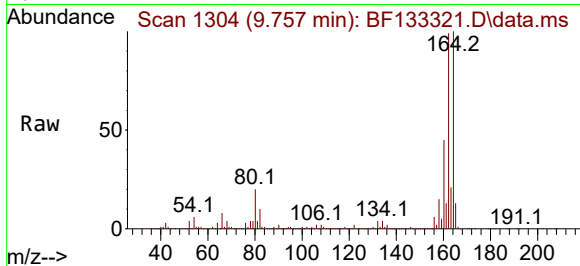




#57
2,4-Dinitrotoluene
Concen: 6.707 ng
RT: 9.757 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF133321.D
Acq: 09 May 2023 17:11

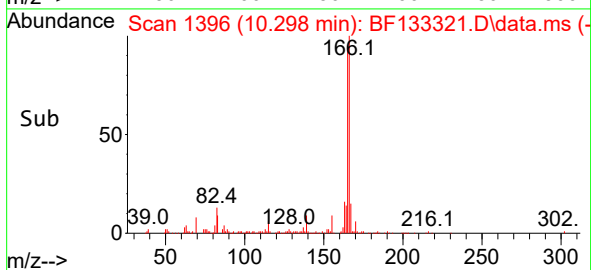
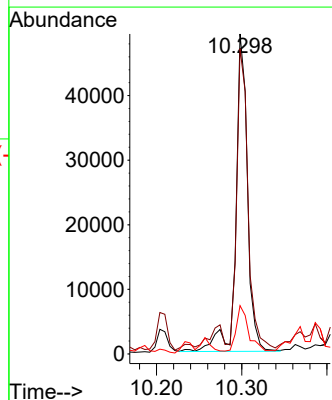
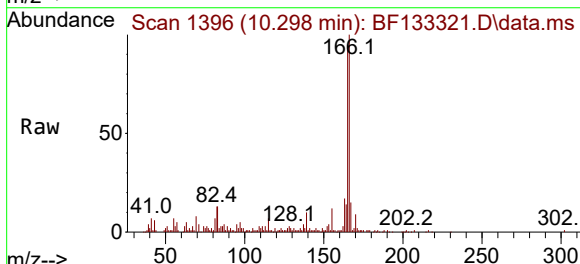
Instrument :
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ClientSampleId :
OR-3-050823

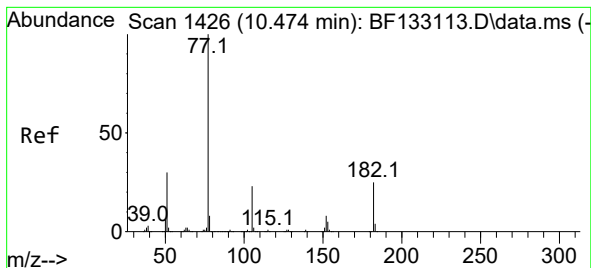
Tgt Ion:165 Resp: 42940
Ion Ratio Lower Upper
165 100
63 1.3 37.7 56.5#
89 1.2 57.0 85.4#
182 0.7 2.1 3.1#



#58
Fluorene
Concen: 2.330 ng
RT: 10.298 min Scan# 1396
Delta R.T. -0.012 min
Lab File: BF133321.D
Acq: 09 May 2023 17:11

Tgt Ion:166 Resp: 46269
Ion Ratio Lower Upper
166 100
165 95.4 78.6 117.8
167 15.1 11.0 16.4





#63

Azobenzene

Concen: 2.589 ng

RT: 10.463 min Scan# 1424

Delta R.T. 0.000 min

Lab File: BF133321.D

Acq: 09 May 2023 17:11

Instrument :

BNA_F

ClientSampleId :

OR-3-050823

Tgt Ion: 77 Resp: 57784

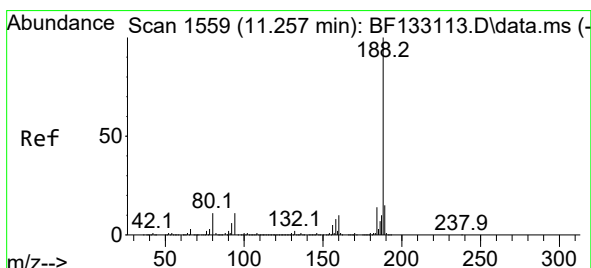
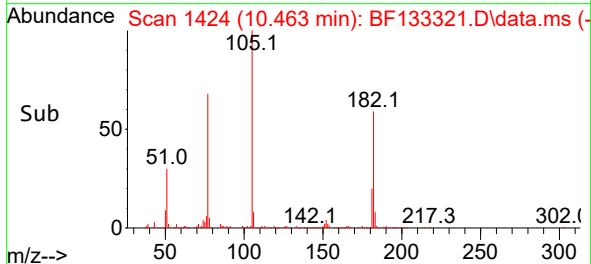
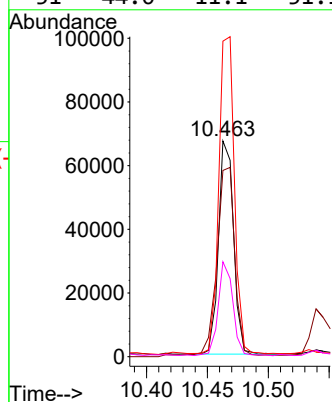
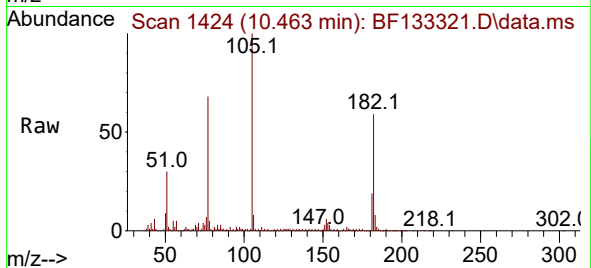
Ion Ratio Lower Upper

77 100

182 86.3 5.9 45.9#

105 146.3 2.3 42.3#

51 44.0 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: BF133321.D

Acq: 09 May 2023 17:11

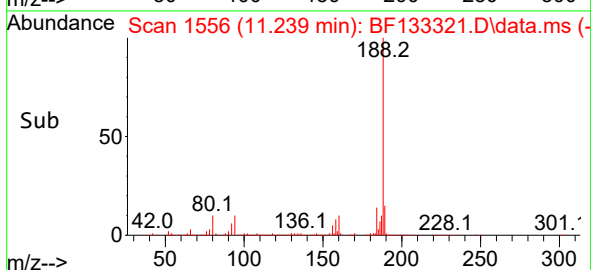
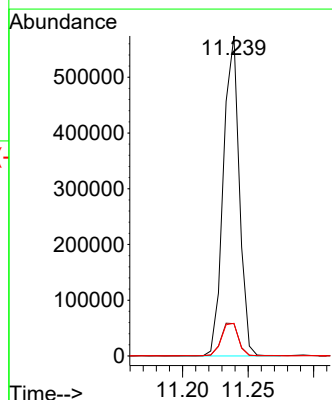
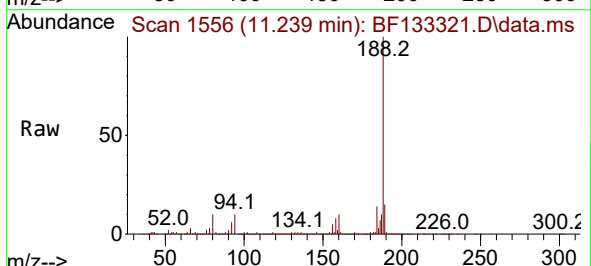
Tgt Ion: 188 Resp: 483798

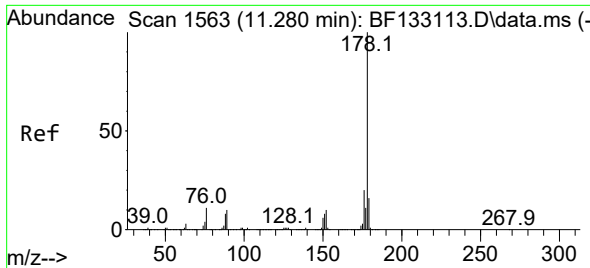
Ion Ratio Lower Upper

188 100

94 10.1 9.7 14.5

80 10.2 10.4 15.6#

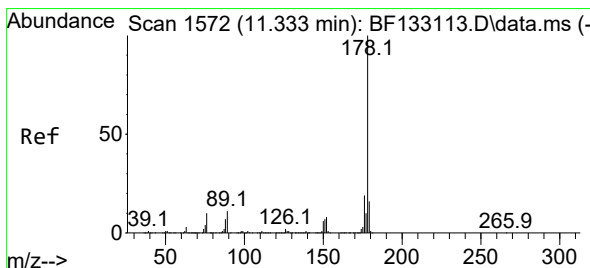
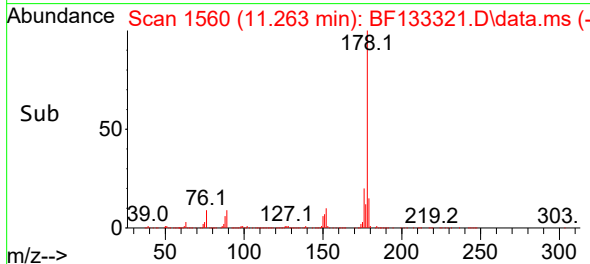
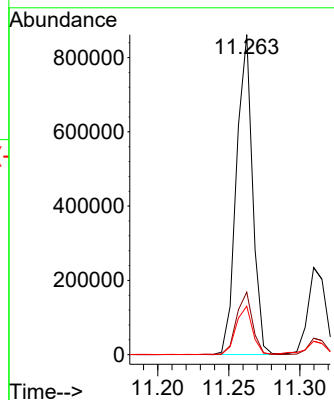
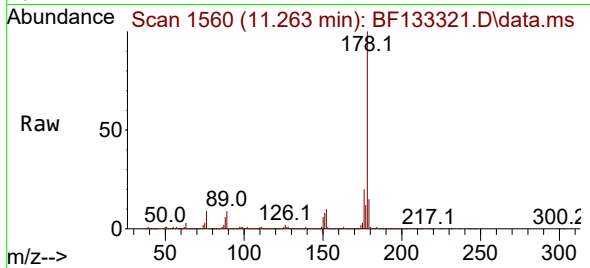




#71
Phenanthrene
Concen: 26.152 ng
RT: 11.263 min Scan# 1560
Delta R.T. -0.006 min
Lab File: BF133321.D
Acq: 09 May 2023 17:11

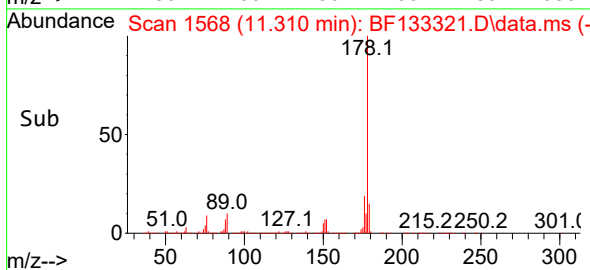
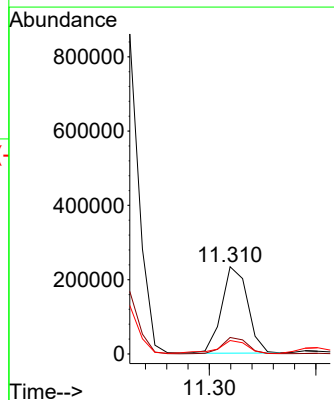
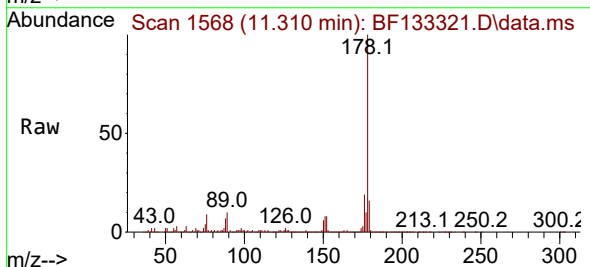
Instrument :
BNA_F
ClientSampleId :
OR-3-050823

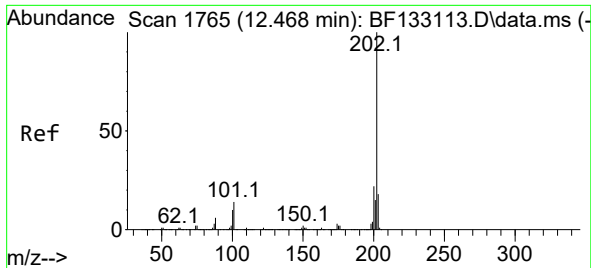
Tgt Ion:178 Resp: 680019
Ion Ratio Lower Upper
178 100
176 19.6 15.9 23.9
179 15.1 12.5 18.7



#72
Anthracene
Concen: 7.469 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF133321.D
Acq: 09 May 2023 17:11

Tgt Ion:178 Resp: 198759
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.0
179 15.5 12.4 18.6

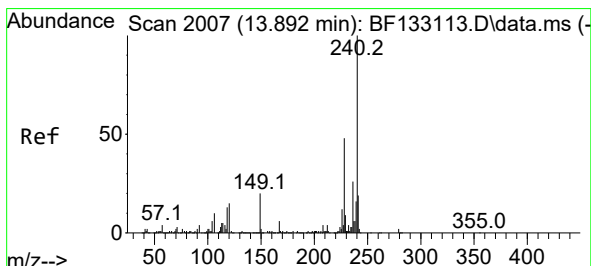
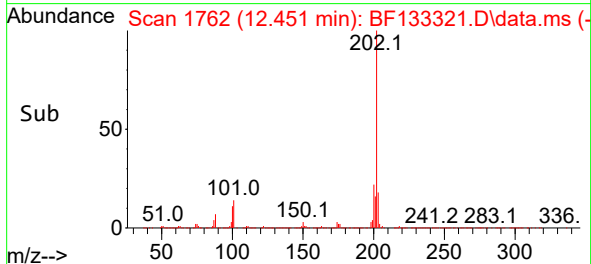
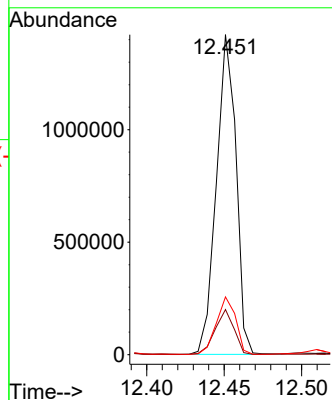
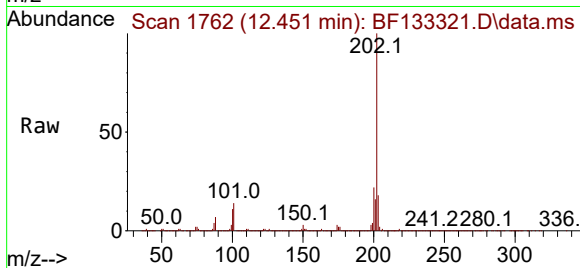




#75
Fluoranthene
Concen: 47.994 ng
RT: 12.451 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF133321.D
Acq: 09 May 2023 17:11

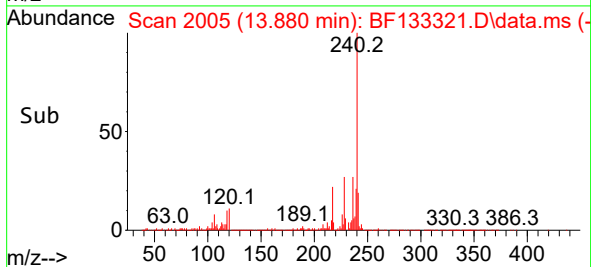
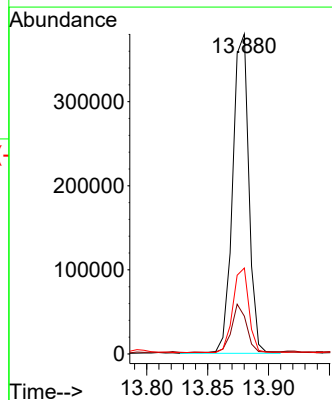
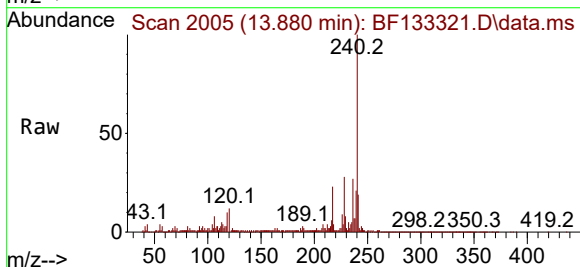
Instrument :
BNA_F
ClientSampleId :
OR-3-050823

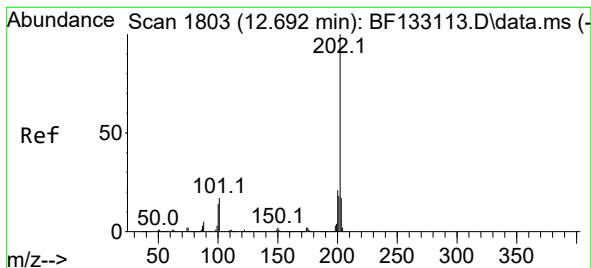
Tgt Ion:202 Resp: 1252480
Ion Ratio Lower Upper
202 100
101 14.1 0.0 35.3
203 18.1 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.880 min Scan# 2005
Delta R.T. 0.000 min
Lab File: BF133321.D
Acq: 09 May 2023 17:11

Tgt Ion:240 Resp: 352643
Ion Ratio Lower Upper
240 100
120 11.8 10.5 15.7
236 26.9 21.5 32.3





#78

Pyrene

Concen: 40.209 ng

RT: 12.680 min Scan# 1801

Delta R.T. 0.000 min

Lab File: BF133321.D

Acq: 09 May 2023 17:11

Instrument :

BNA_F

ClientSampleId :

OR-3-050823

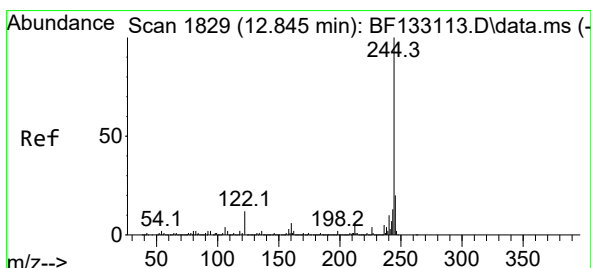
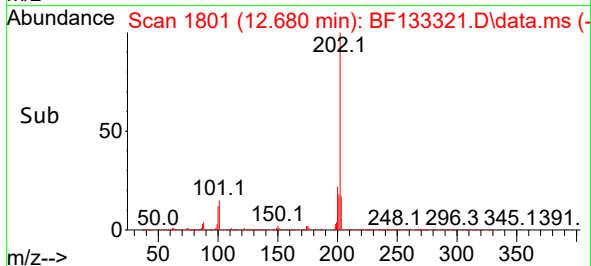
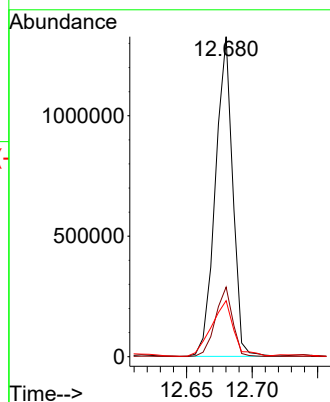
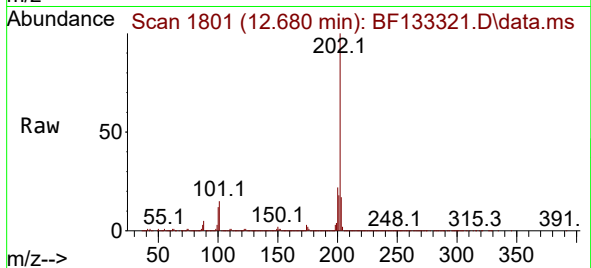
Tgt Ion:202 Resp: 1215500

Ion Ratio Lower Upper

202 100

200 21.8 17.1 25.7

203 17.5 14.1 21.1



#79

Terphenyl-d14

Concen: 34.493 ng

RT: 12.821 min Scan# 1825

Delta R.T. -0.012 min

Lab File: BF133321.D

Acq: 09 May 2023 17:11

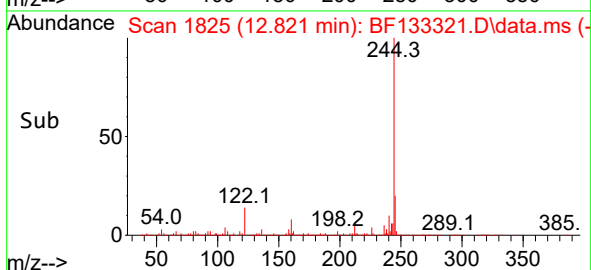
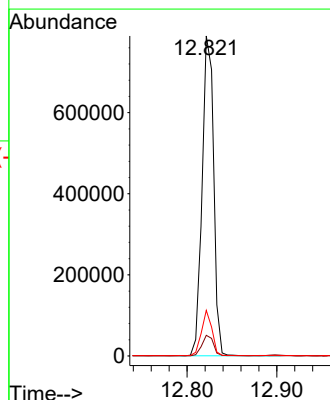
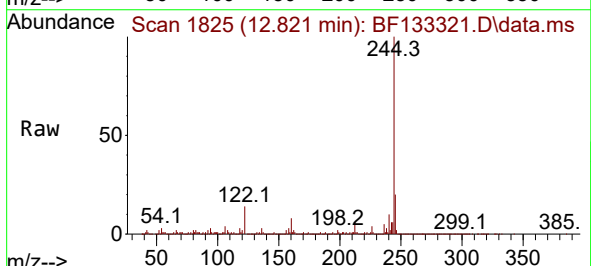
Tgt Ion:244 Resp: 705269

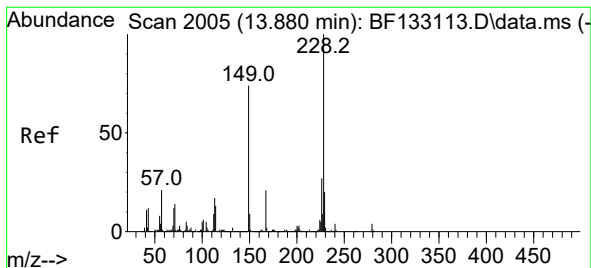
Ion Ratio Lower Upper

244 100

212 6.5 5.1 7.7

122 14.2 8.6 13.0#





#81

Benzo(a)anthracene

Concen: 28.910 ng

RT: 13.868 min Scan# 2003

Delta R.T. 0.000 min

Lab File: BF133321.D

Acq: 09 May 2023 17:11

Instrument :

BNA_F

ClientSampleId :

OR-3-050823

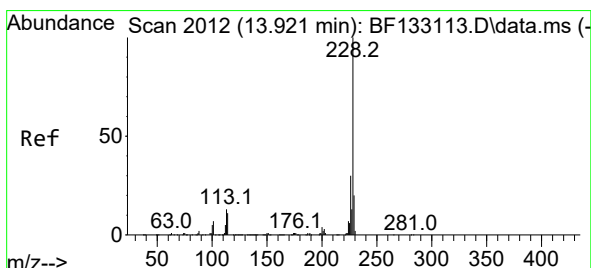
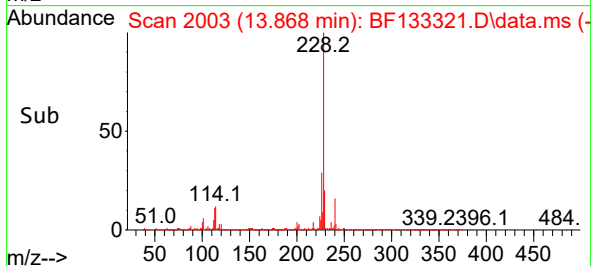
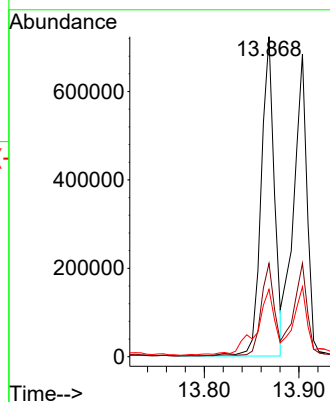
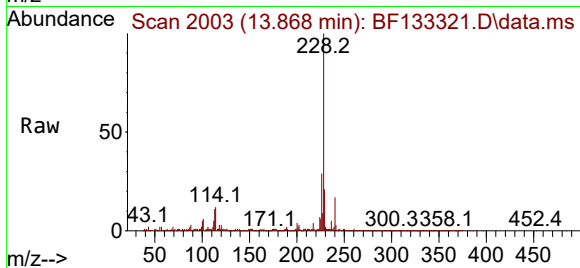
Tgt Ion:228 Resp: 701062

Ion Ratio Lower Upper

228 100

226 29.2 22.2 33.4

229 21.1 16.0 24.0



#83

Chrysene

Concen: 27.880 ng

RT: 13.904 min Scan# 2009

Delta R.T. -0.006 min

Lab File: BF133321.D

Acq: 09 May 2023 17:11

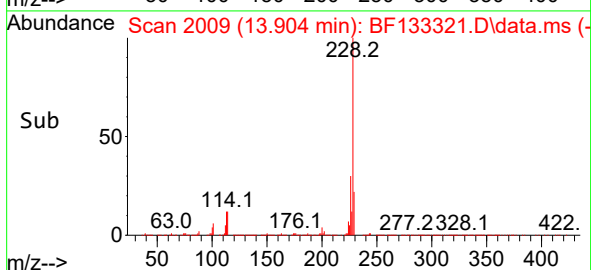
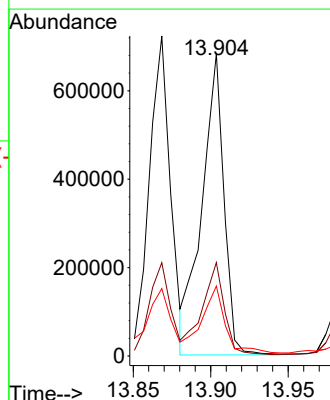
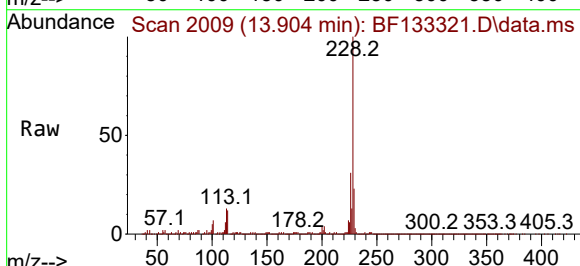
Tgt Ion:228 Resp: 675924

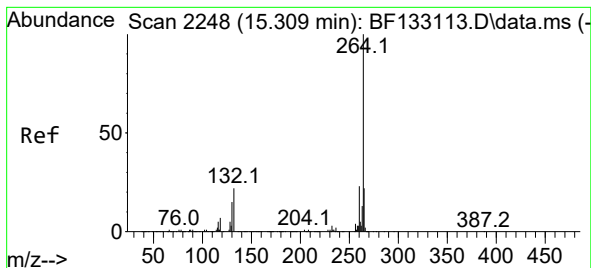
Ion Ratio Lower Upper

228 100

226 30.9 24.7 37.1

229 23.1 16.1 24.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.304 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF133321.D

Acq: 09 May 2023 17:11

Instrument :

BNA_F

ClientSampleId :

OR-3-050823

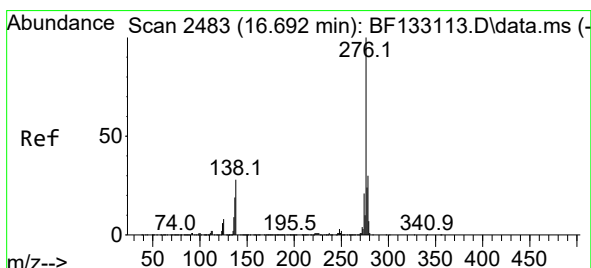
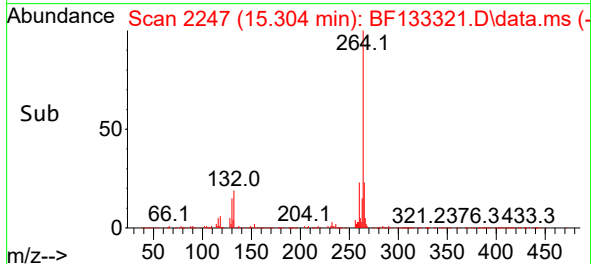
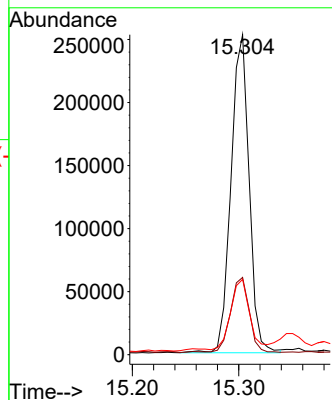
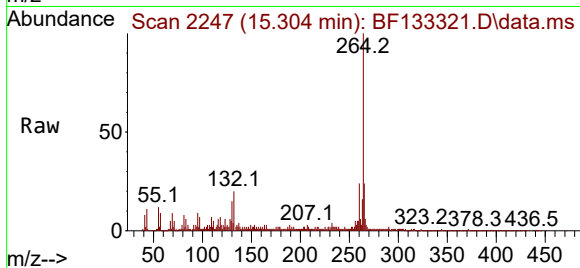
Tgt Ion:264 Resp: 298759

Ion Ratio Lower Upper

264 100

260 24.1 18.8 28.2

265 23.6 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 18.586 ng

RT: 16.686 min Scan# 2482

Delta R.T. 0.012 min

Lab File: BF133321.D

Acq: 09 May 2023 17:11

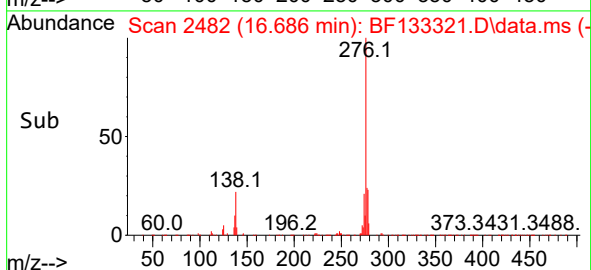
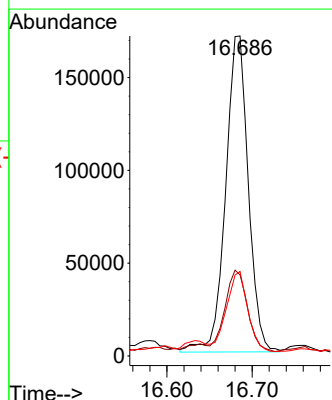
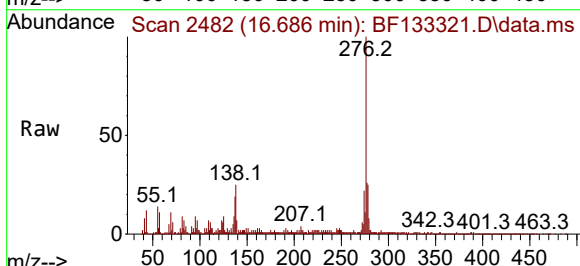
Tgt Ion:276 Resp: 315849

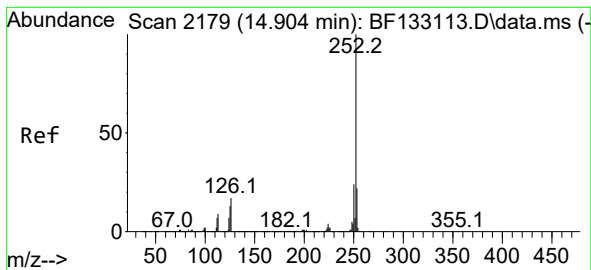
Ion Ratio Lower Upper

276 100

138 27.7 25.5 38.3

277 23.7 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 55.604 ng

RT: 14.898 min Scan# 2178

Delta R.T. 0.006 min

Lab File: BF133321.D

Acq: 09 May 2023 17:11

Instrument :

BNA_F

ClientSampleId :

OR-3-050823

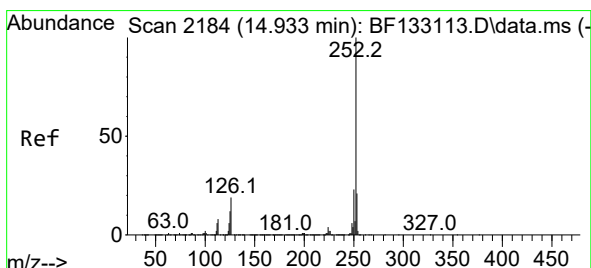
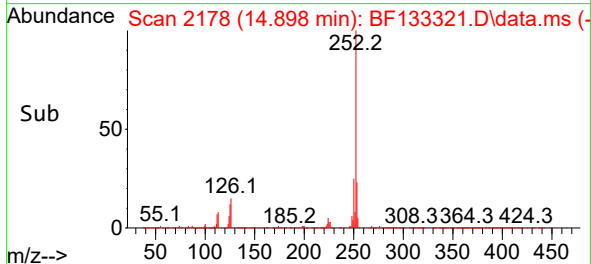
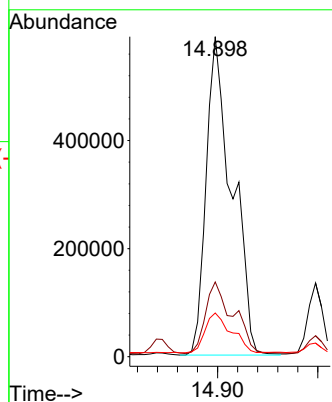
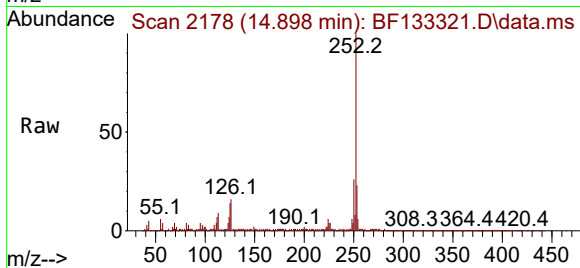
Tgt Ion:252 Resp: 1056858

Ion Ratio Lower Upper

252 100

253 23.4 17.6 26.4

125 13.6 8.9 13.3#



#89

Benzo(k)fluoranthene

Concen: 56.093 ng

RT: 14.898 min Scan# 2178

Delta R.T. -0.024 min

Lab File: BF133321.D

Acq: 09 May 2023 17:11

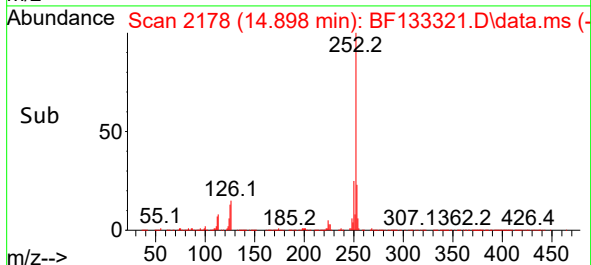
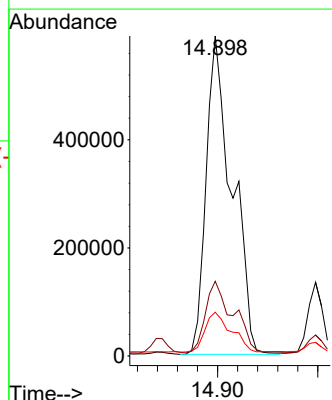
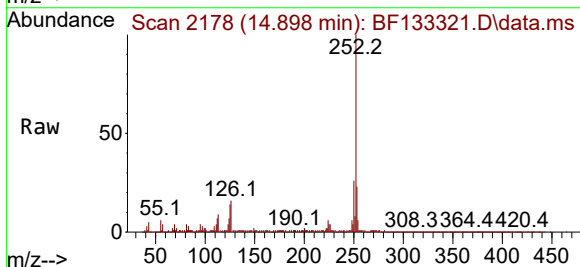
Tgt Ion:252 Resp: 1056858

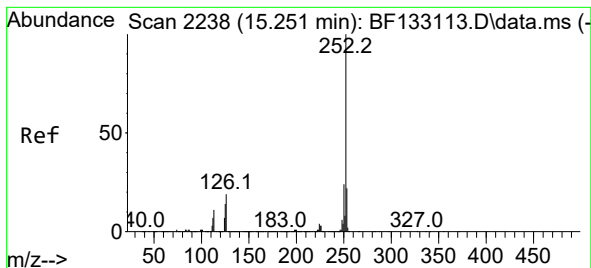
Ion Ratio Lower Upper

252 100

253 23.4 17.7 26.5

125 13.6 9.0 13.4#





#90

Benzo(a)pyrene

Concen: 33.097 ng

RT: 15.245 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF133321.D

Acq: 09 May 2023 17:11

Instrument :

BNA_F

ClientSampleId :

OR-3-050823

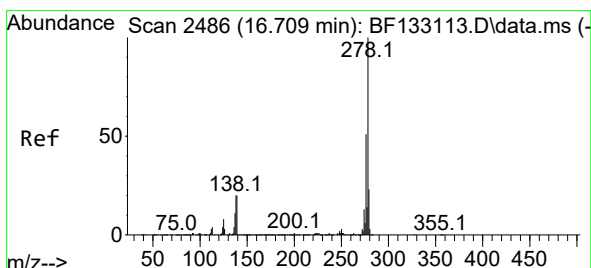
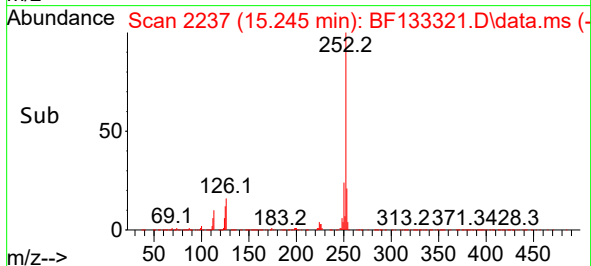
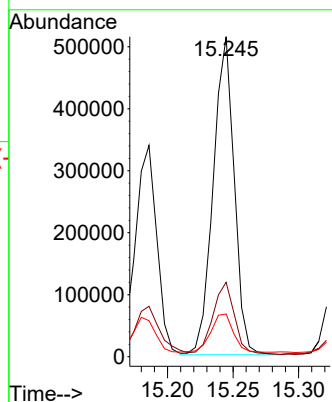
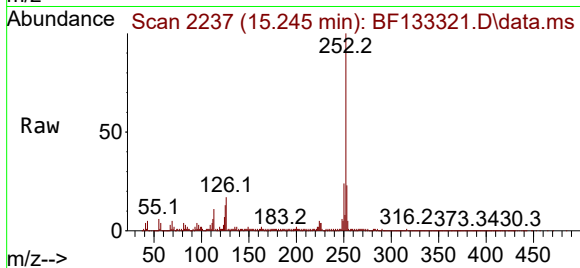
Tgt Ion:252 Resp: 572577

Ion Ratio Lower Upper

252 100

253 23.3 17.7 26.5

125 13.4 10.5 15.7



#91

Dibenzo(a,h)anthracene

Concen: 5.860 ng

RT: 16.686 min Scan# 2482

Delta R.T. -0.006 min

Lab File: BF133321.D

Acq: 09 May 2023 17:11

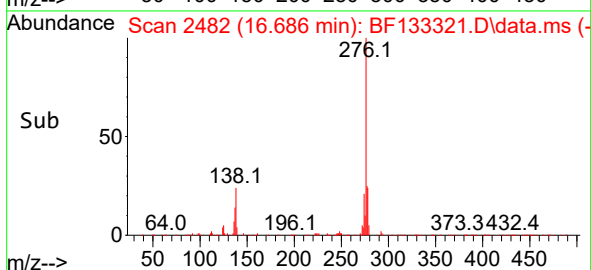
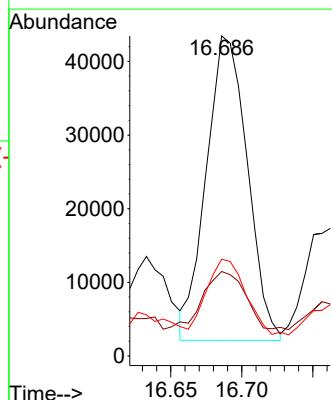
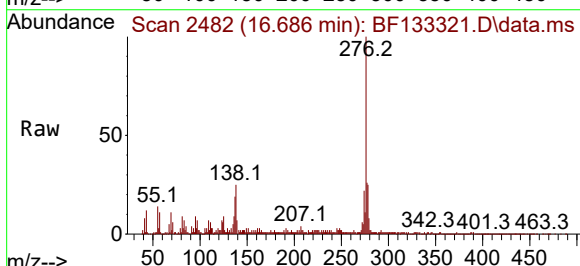
Tgt Ion:278 Resp: 83055

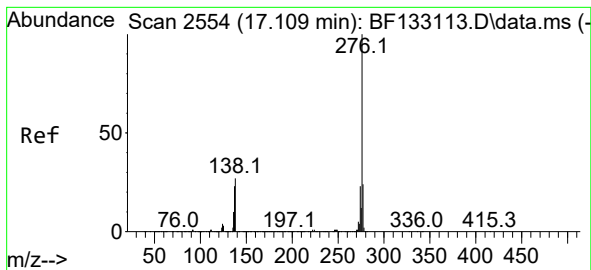
Ion Ratio Lower Upper

278 100

139 26.4 16.6 24.8#

279 30.3 18.8 28.2#





#92

Benzo(g,h,i)perylene

Concen: 21.532 ng

RT: 17.103 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF133321.D

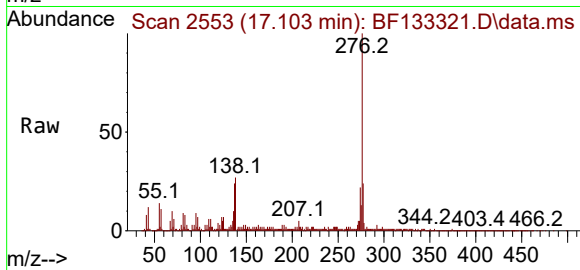
Acq: 09 May 2023 17:11

Instrument :

BNA_F

ClientSampleId :

OR-3-050823



Tgt Ion:276 Resp: 301295

Ion Ratio Lower Upper

276 100

277 24.3 19.4 29.0

138 27.0 22.7 34.1

