

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050223\
 Data File : BF133190.D
 Acq On : 02 May 2023 15:48
 Operator : CG\JU
 Sample : 02568-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11938

Quant Time: May 03 06:18:53 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 04:52:44 2023
 Response via : Initial Calibration

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

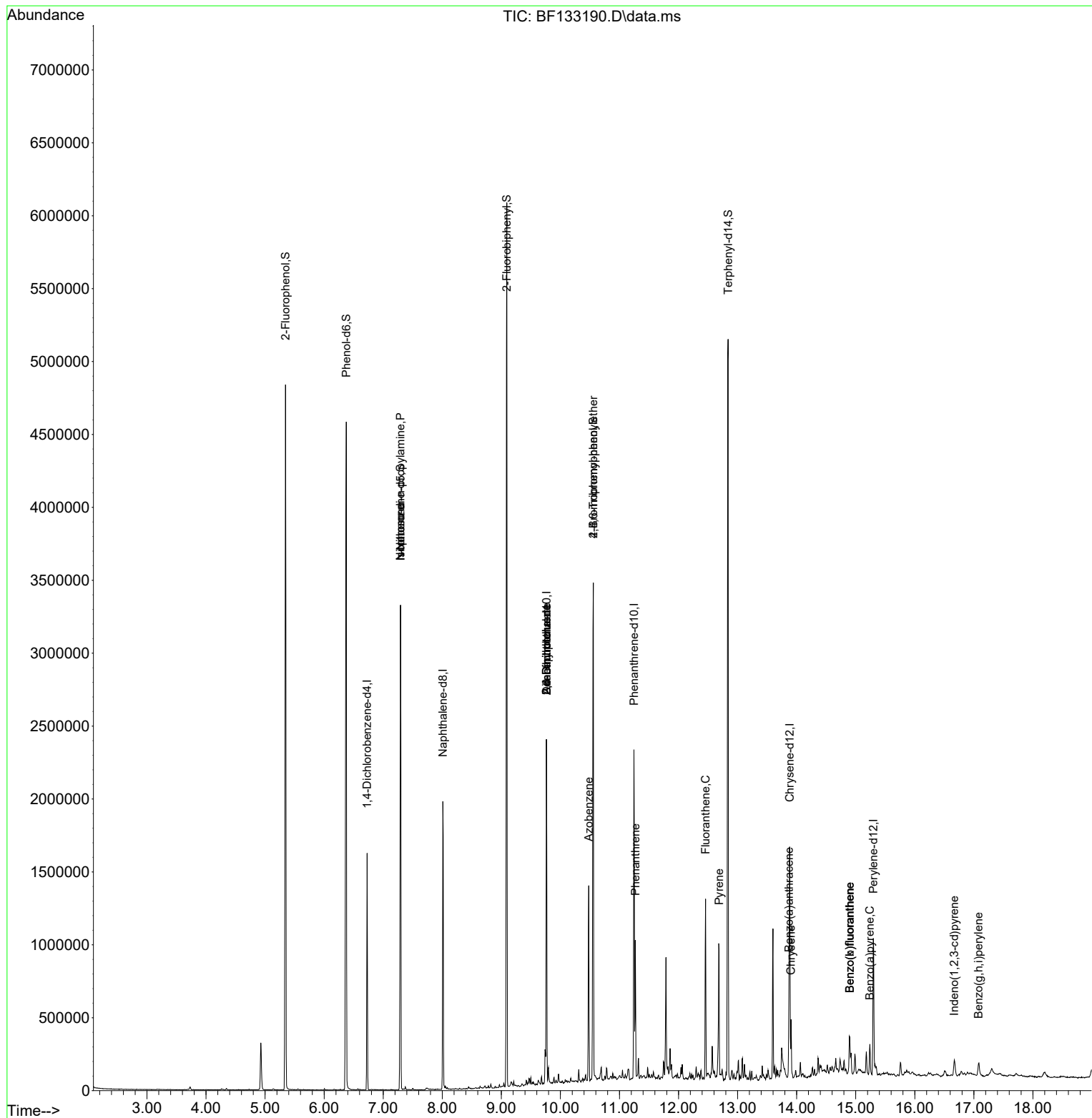
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.728	152	207654	20.000	ng	0.00
21) Naphthalene-d8	8.010	136	841609	20.000	ng	0.00
39) Acenaphthene-d10	9.763	164	445477	20.000	ng	0.00
64) Phenanthrene-d10	11.245	188	793653	20.000	ng	0.00
76) Chrysene-d12	13.880	240	429080	20.000	ng	-0.01
86) Perylene-d12	15.298	264	401785	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	1430267	104.047	ng	0.00
7) Phenol-d6	6.375	99	1741229	102.052	ng	0.00
23) Nitrobenzene-d5	7.293	82	1066349	68.391	ng	0.00
42) 2,4,6-Tribromophenol	10.557	330	448253	100.054	ng	0.00
45) 2-Fluorobiphenyl	9.092	172	1838160	69.033	ng	0.00
79) Terphenyl-d14	12.839	244	1941797	78.050	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.275	77	1044	Below Cal	#	68
19) n-Nitroso-di-n-propyla...	7.293	70	142278	13.395	ng	# 78
25) Isophorone	7.293	82	1064896	35.971	ng	# 63
50) Dimethylphthalate	9.763	163	86501	2.785	ng	# 1
51) 2,6-Dinitrotoluene	9.763	165	58578	8.379	ng	# 25
57) 2,4-Dinitrotoluene	9.763	165	58578	6.570	ng	# 24
63) Azobenzene	10.481	77	211906	6.818	ng	# 1
67) 4-Bromophenyl-phenylether	10.557	248	29474	3.424	ng	# 1
71) Phenanthrene	11.269	178	296039	6.940	ng	100
75) Fluoranthene	12.457	202	448803	10.483	ng	97
78) Pyrene	12.686	202	377951	10.275	ng	100
81) Benzo(a)anthracene	13.869	228	137136	4.648	ng	98
83) Chrysene	13.904	228	134945	4.575	ng	97
87) Indeno(1,2,3-cd)pyrene	16.668	276	68081	2.979	ng	92
88) Benzo(b)fluoranthene	14.898	252	184801	7.230	ng	98
89) Benzo(k)fluoranthene	14.898	252	184801	7.293	ng	98
90) Benzo(a)pyrene	15.239	252	93135	4.003	ng	97
92) Benzo(g,h,i)perylene	17.080	276	64851	3.446	ng	98

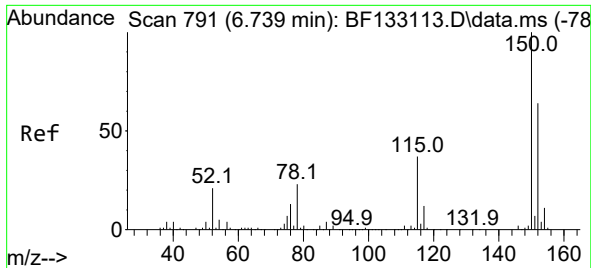
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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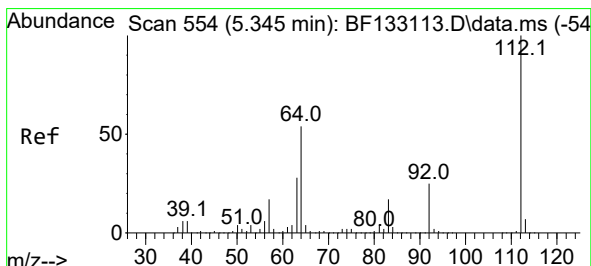
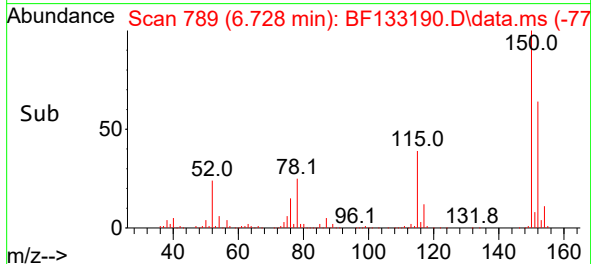
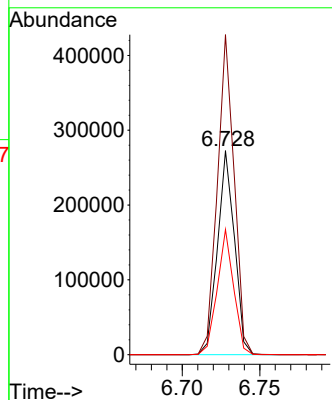
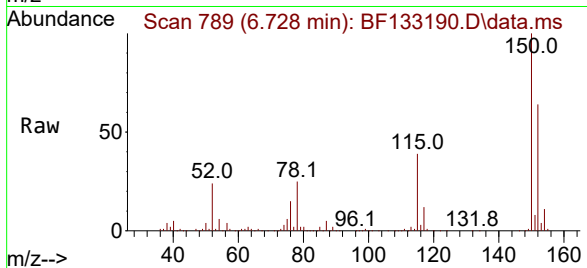




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.728 min Scan# 791
 Delta R.T. -0.006 min
 Lab File: BF133190.D
 Acq: 02 May 2023 15:48

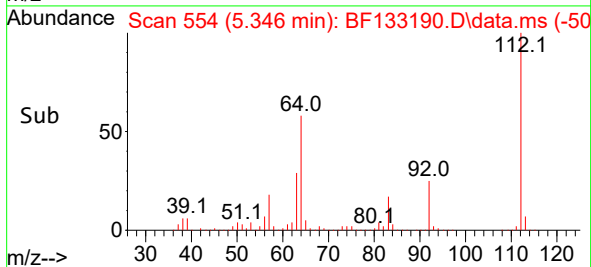
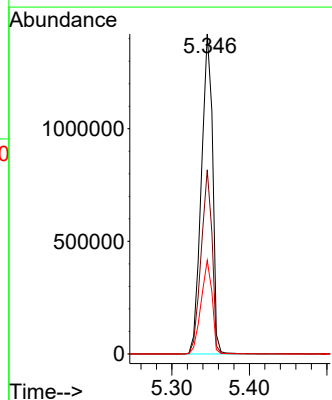
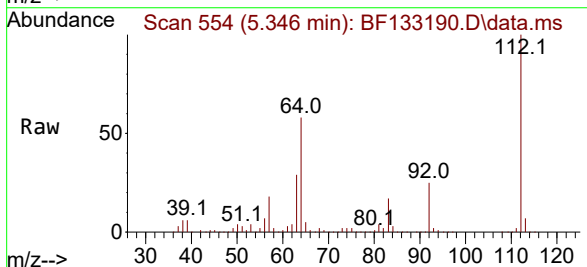
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 ClientSampleId :
 72-11938

Tgt Ion:152 Resp: 207654
 Ion Ratio Lower Upper
 152 100
 150 156.9 124.8 187.2
 115 61.3 49.9 74.9



#5
 2-Fluorophenol
 Concen: 104.047 ng
 RT: 5.346 min Scan# 554
 Delta R.T. 0.006 min
 Lab File: BF133190.D
 Acq: 02 May 2023 15:48

Tgt Ion:112 Resp: 1430267
 Ion Ratio Lower Upper
 112 100
 64 57.6 46.8 70.2
 63 29.3 23.8 35.8

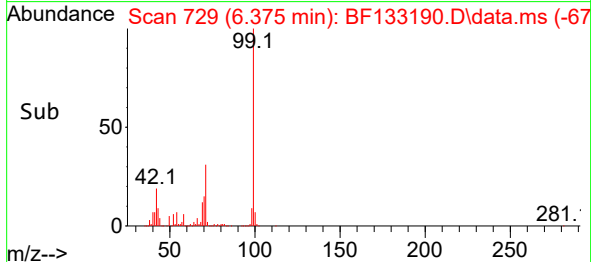
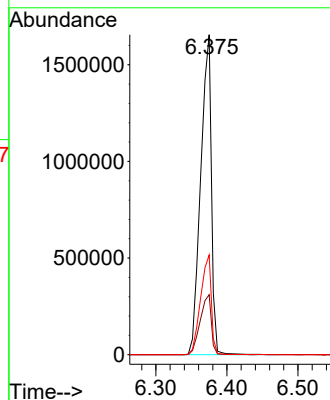
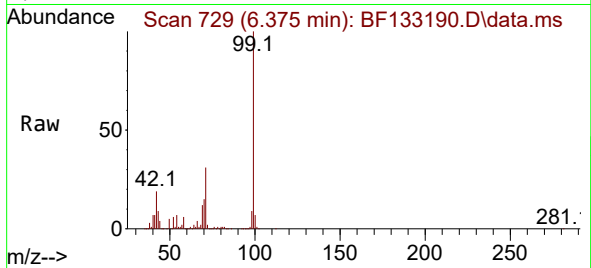




#7
Phenol-d6
Concen: 102.052 ng
RT: 6.375 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF133190.D
Acq: 02 May 2023 15:48

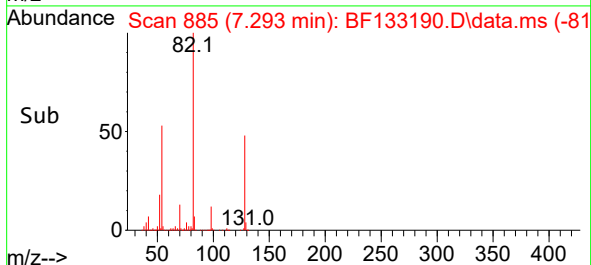
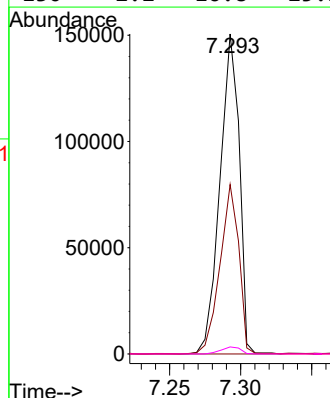
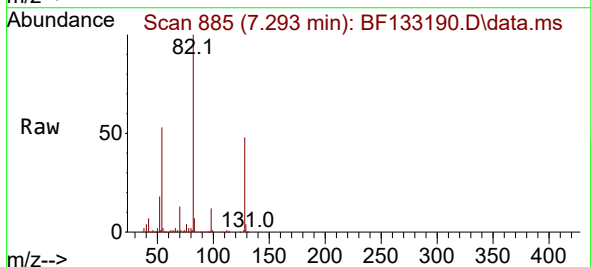
Instrument :
BNA_F
ClientSampleId :
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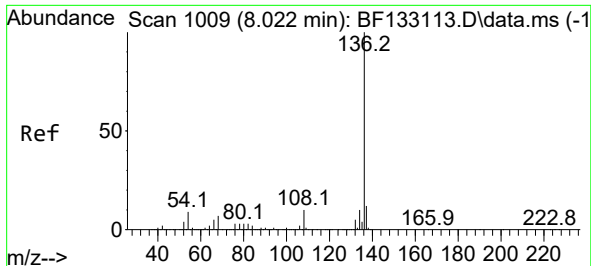
Tgt Ion: 99 Resp: 1741229
Ion Ratio Lower Upper
99 100
42 18.8 16.3 24.5
71 31.2 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 13.395 ng
RT: 7.293 min Scan# 885
Delta R.T. 0.141 min
Lab File: BF133190.D
Acq: 02 May 2023 15:48

Tgt Ion: 70 Resp: 142278
Ion Ratio Lower Upper
70 100
42 53.0 51.8 77.6
101 0.0 8.0 12.0#
130 2.2 16.8 25.2#

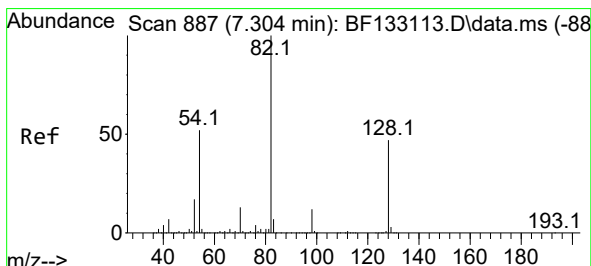
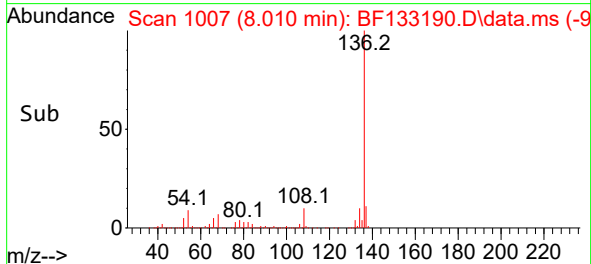
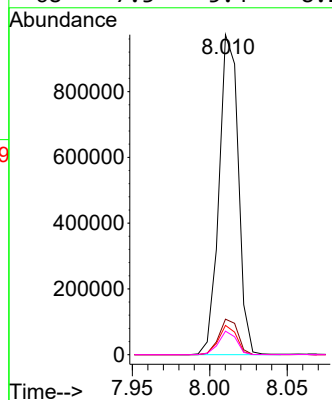
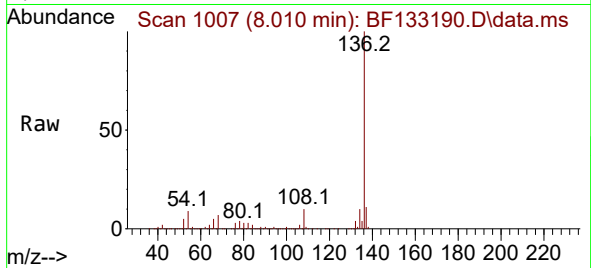




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.010 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF133190.D
Acq: 02 May 2023 15:48

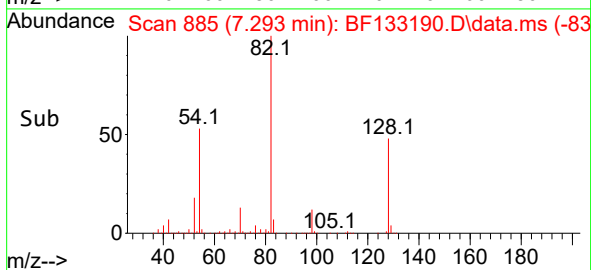
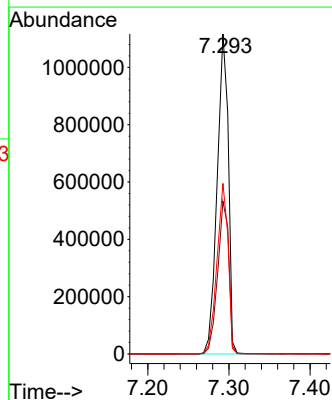
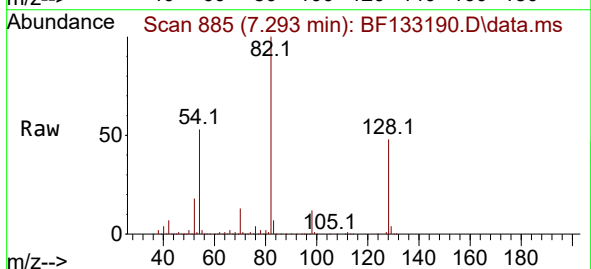
Instrument :
BNA_F
ClientSampleId :
72-11938

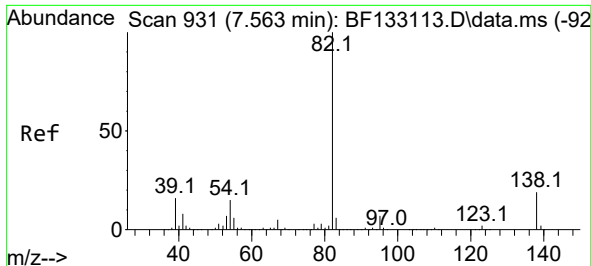
Tgt Ion:136 Resp: 841609
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 9.2 7.0 10.4
68 7.3 5.4 8.2



#23
Nitrobenzene-d5
Concen: 68.391 ng
RT: 7.293 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF133190.D
Acq: 02 May 2023 15:48

Tgt Ion: 82 Resp: 1066349
Ion Ratio Lower Upper
82 100
128 47.7 37.7 56.5
54 53.3 43.0 64.4

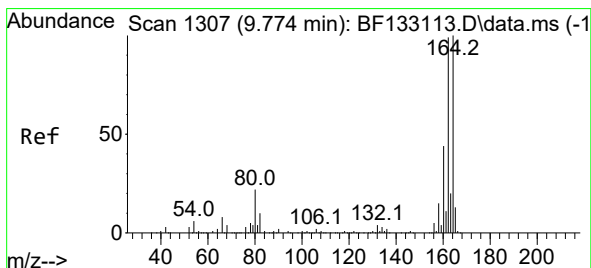
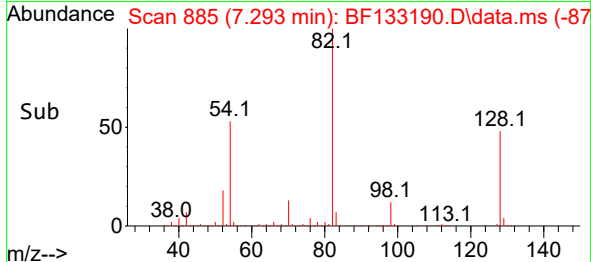
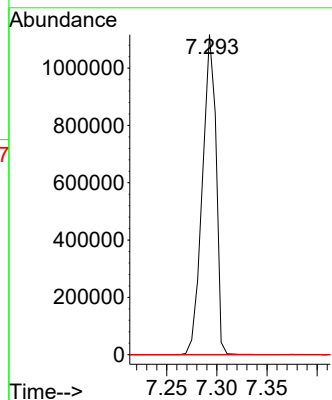
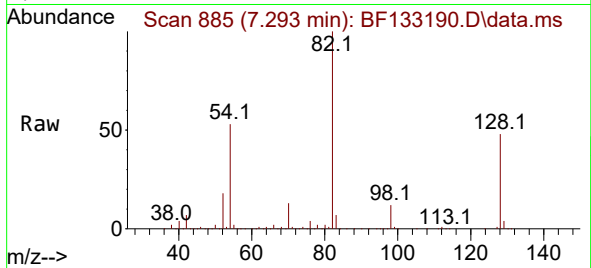




#25
Isophorone
Concen: 35.971 ng
RT: 7.293 min Scan# 81
Delta R.T. -0.264 min
Lab File: BF133190.D
Acq: 02 May 2023 15:48

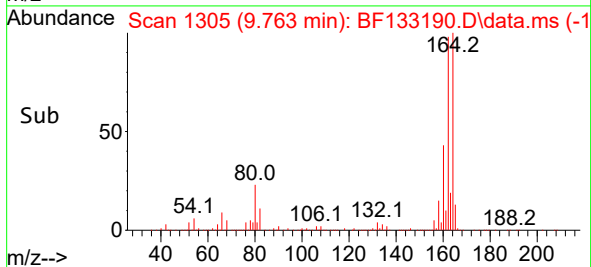
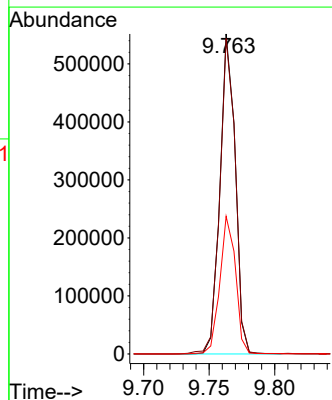
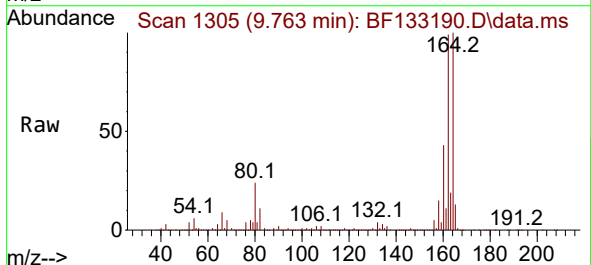
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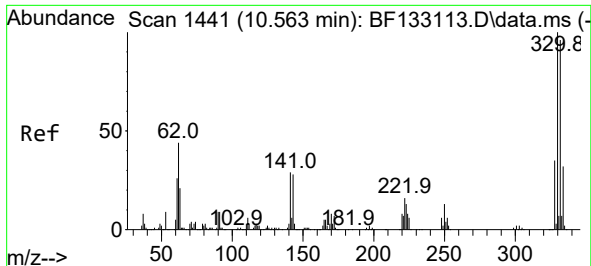
Tgt Ion: 82 Resp: 1064896
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 16.0 24.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.763 min Scan# 1305
Delta R.T. -0.006 min
Lab File: BF133190.D
Acq: 02 May 2023 15:48

Tgt Ion:164 Resp: 445477
Ion Ratio Lower Upper
164 100
162 98.6 78.7 118.1
160 43.0 35.8 53.6

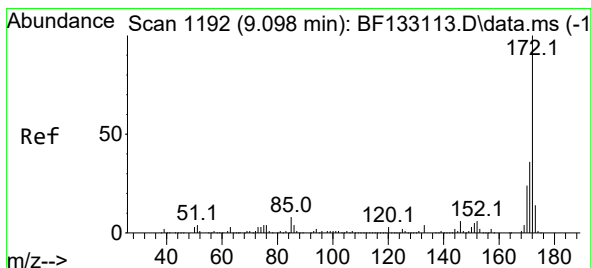
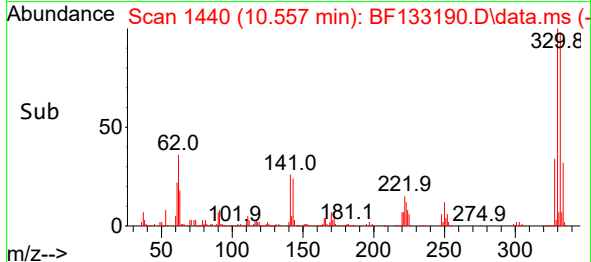
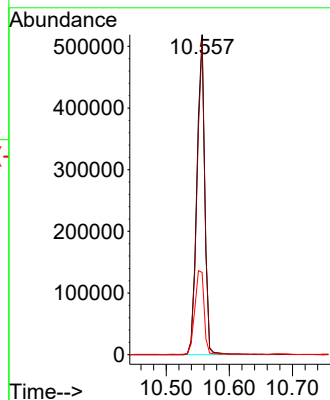
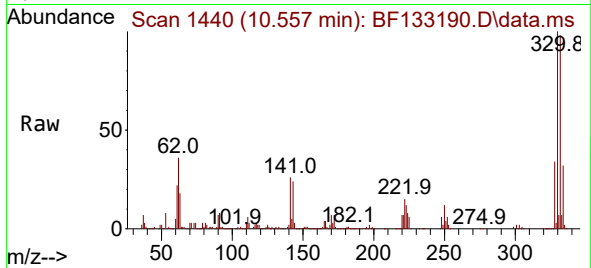




#42
2,4,6-Tribromophenol
Concen: 100.054 ng
RT: 10.557 min Scan# 1440
Delta R.T. -0.006 min
Lab File: BF133190.D
Acq: 02 May 2023 15:48

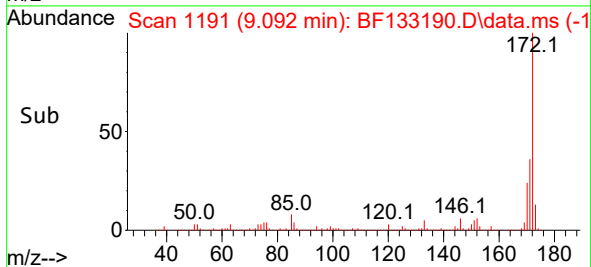
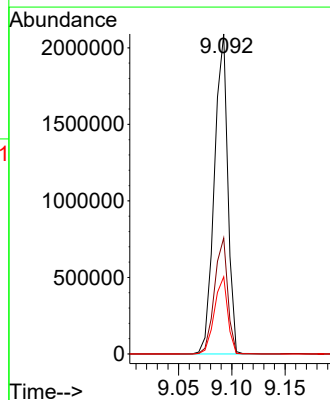
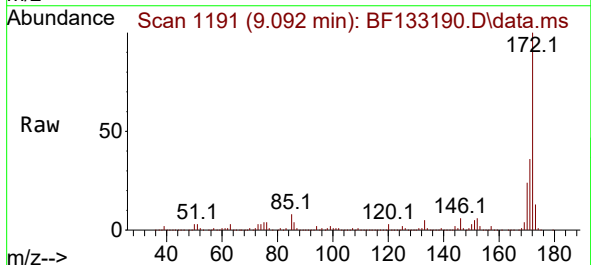
Instrument :
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ClientSampleId :
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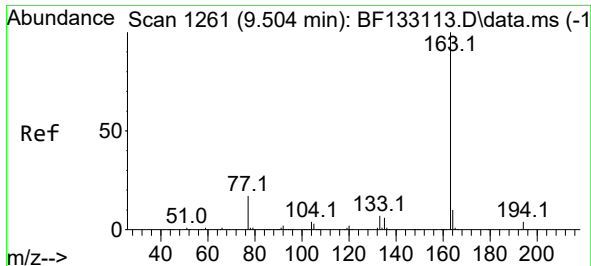
Tgt Ion: 330 Resp: 448253
Ion Ratio Lower Upper
330 100
332 96.6 77.1 115.7
141 30.8 25.8 38.8



#45
2-Fluorobiphenyl
Concen: 69.033 ng
RT: 9.092 min Scan# 1191
Delta R.T. -0.006 min
Lab File: BF133190.D
Acq: 02 May 2023 15:48

Tgt Ion: 172 Resp: 1838160
Ion Ratio Lower Upper
172 100
171 36.2 28.8 43.2
170 24.1 19.4 29.2

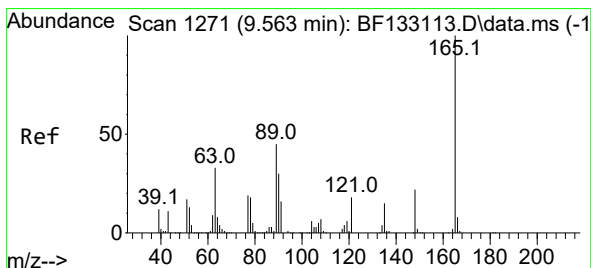
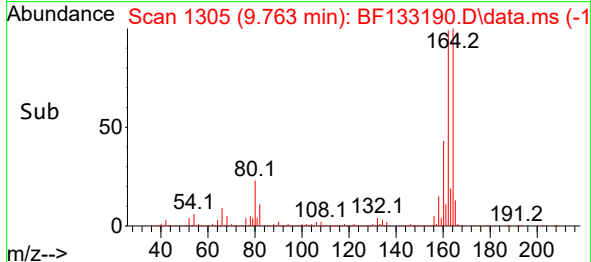
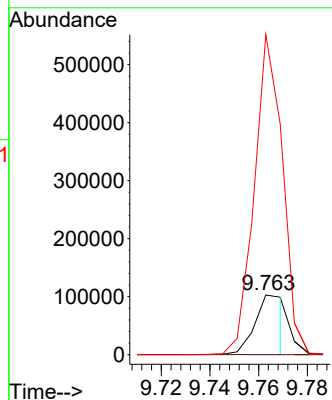
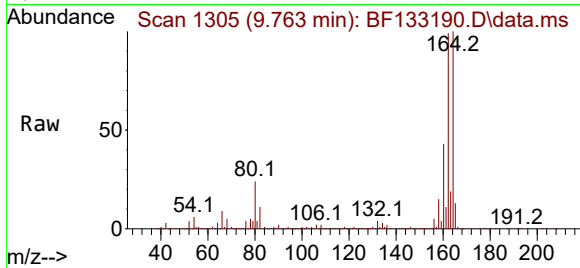




#50
Dimethylphthalate
Concen: 2.785 ng
RT: 9.763 min Scan# 1305
Delta R.T. 0.265 min
Lab File: BF133190.D
Acq: 02 May 2023 15:48

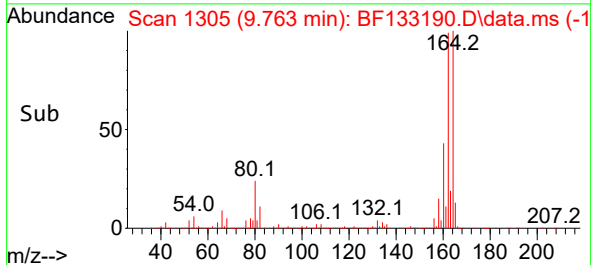
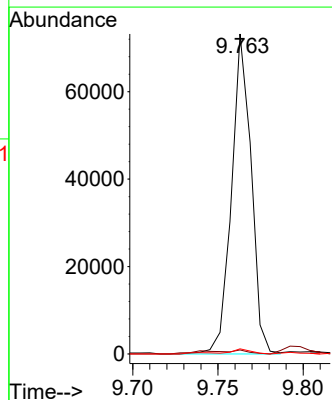
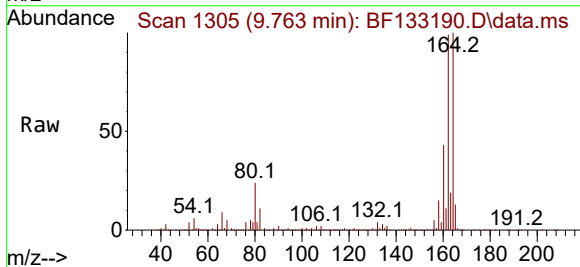
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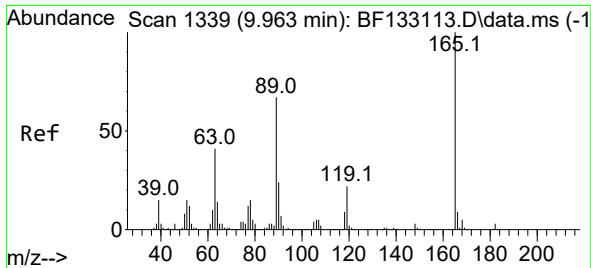
Tgt Ion:163 Resp: 86501
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 536.1 8.5 12.7#



#51
2,6-Dinitrotoluene
Concen: 8.379 ng
RT: 9.763 min Scan# 1305
Delta R.T. 0.206 min
Lab File: BF133190.D
Acq: 02 May 2023 15:48

Tgt Ion:165 Resp: 58578
Ion Ratio Lower Upper
165 100
63 1.2 45.9 68.9#
89 1.6 44.0 66.0#

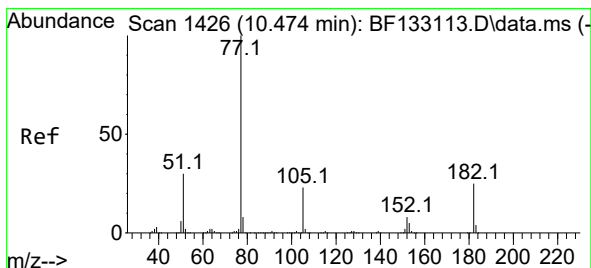
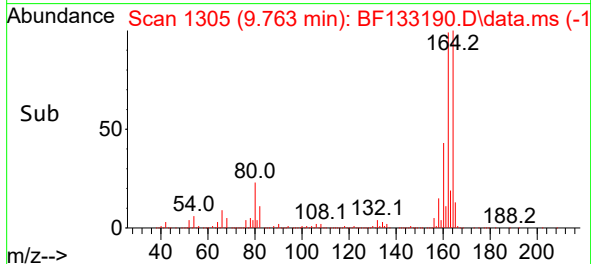
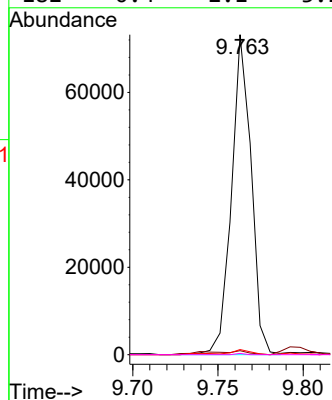
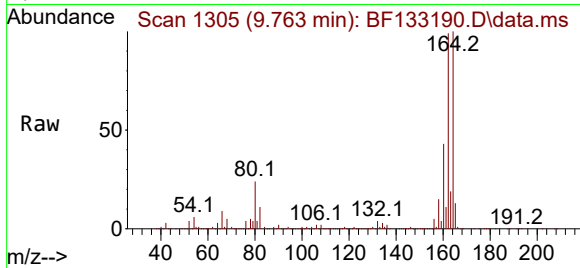




#57
2,4-Dinitrotoluene
Concen: 6.570 ng
RT: 9.763 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF133190.D
Acq: 02 May 2023 15:48

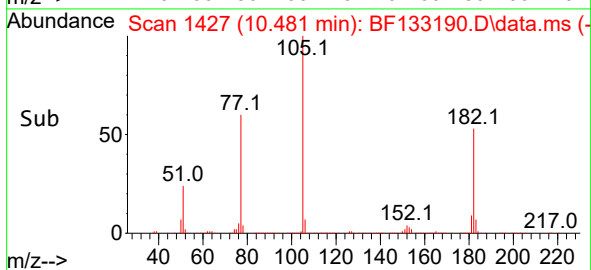
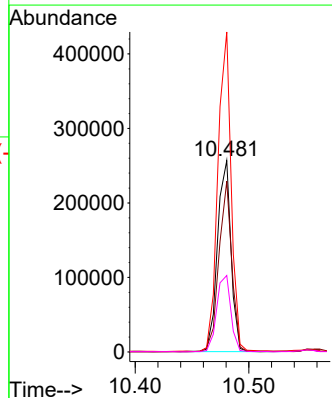
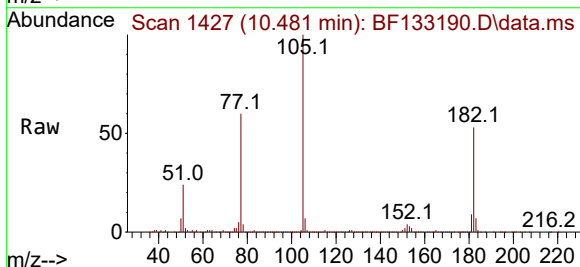
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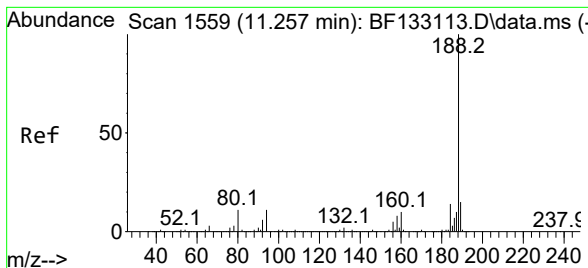
Tgt Ion:165 Resp: 58578
Ion Ratio Lower Upper
165 100
63 1.2 37.7 56.5#
89 1.6 57.0 85.4#
182 0.4 2.1 3.1#



#63
Azobenzene
Concen: 6.818 ng
RT: 10.481 min Scan# 1427
Delta R.T. 0.006 min
Lab File: BF133190.D
Acq: 02 May 2023 15:48

Tgt Ion: 77 Resp: 211906
Ion Ratio Lower Upper
77 100
182 89.3 5.9 45.9#
105 167.2 2.3 42.3#
51 40.0 11.1 51.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.245 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133190.D

Acq: 02 May 2023 15:48

Instrument :

BNA_F

ClientSampleId :

72-11938

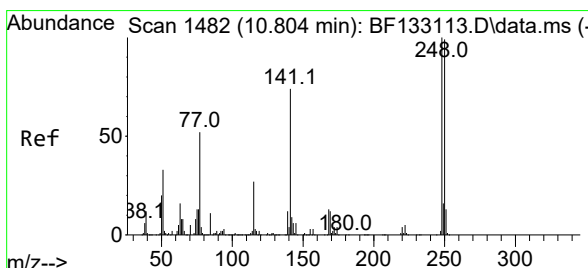
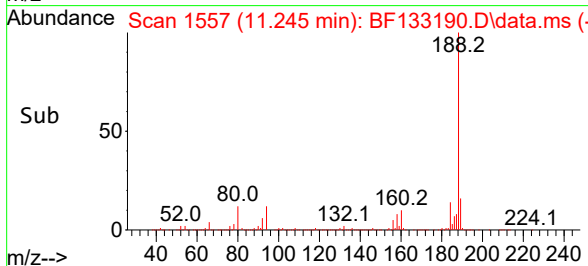
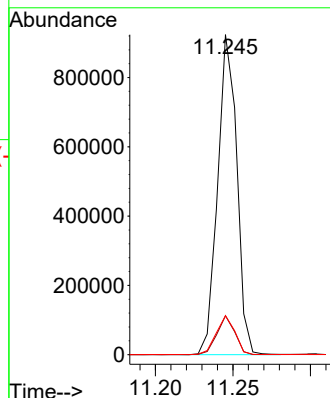
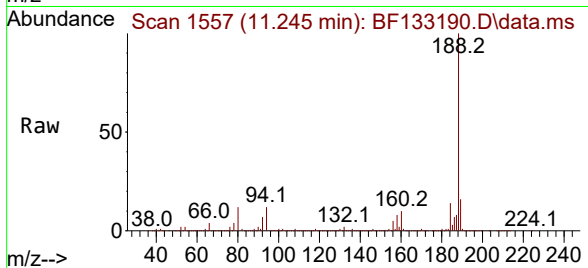
Tgt Ion:188 Resp: 793653

Ion Ratio Lower Upper

188 100

94 12.1 9.7 14.5

80 12.2 10.4 15.6



#67

4-Bromophenyl-phenylether

Concen: 3.424 ng

RT: 10.557 min Scan# 1440

Delta R.T. -0.247 min

Lab File: BF133190.D

Acq: 02 May 2023 15:48

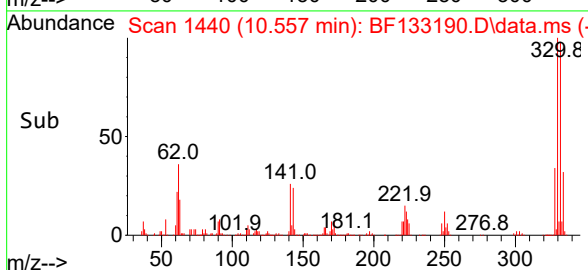
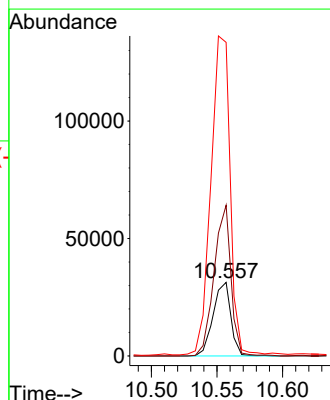
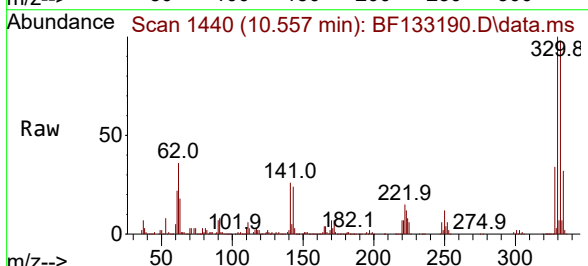
Tgt Ion:248 Resp: 29474

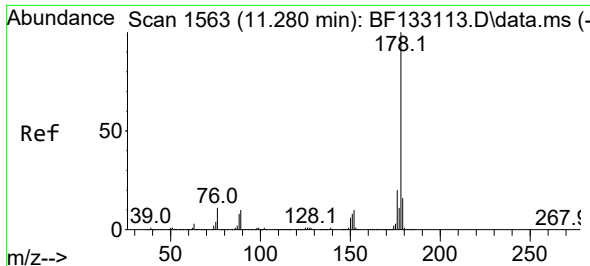
Ion Ratio Lower Upper

248 100

250 204.9 78.7 118.1#

141 426.2 56.3 84.5#

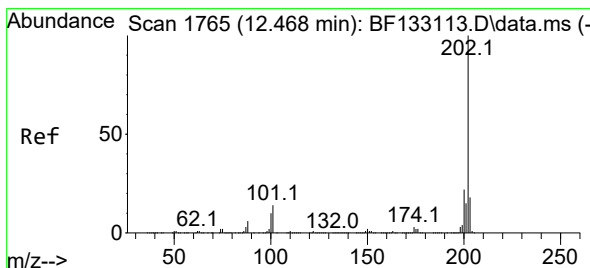
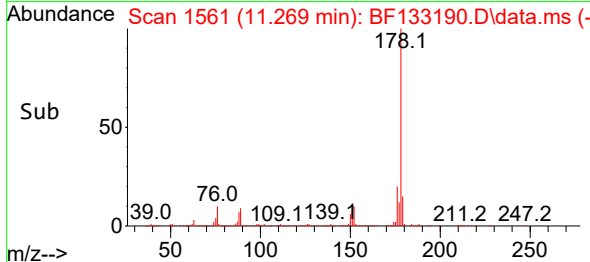
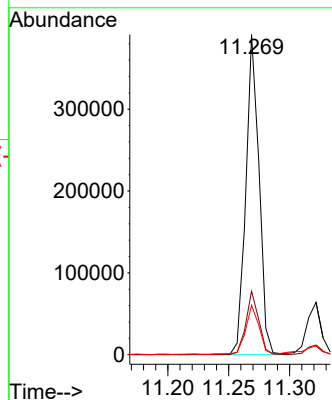
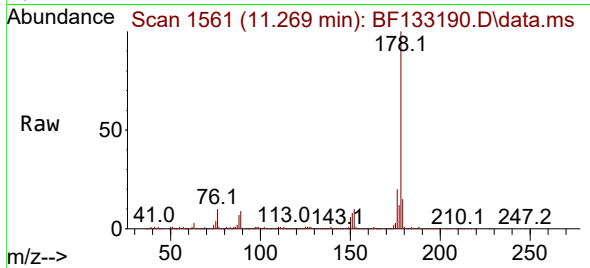




#71
Phenanthrene
Concen: 6.940 ng
RT: 11.269 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF133190.D
Acq: 02 May 2023 15:48

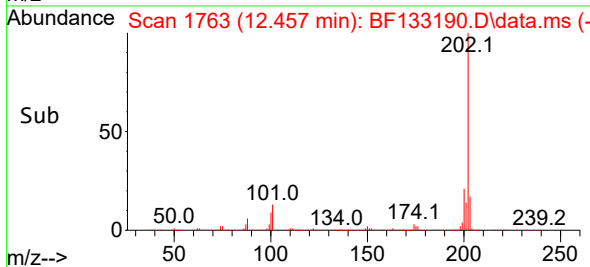
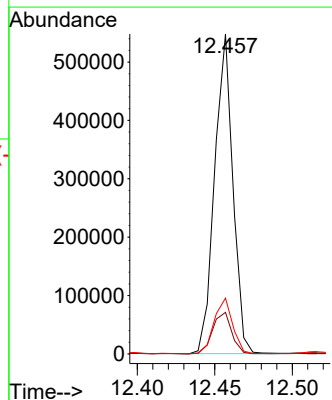
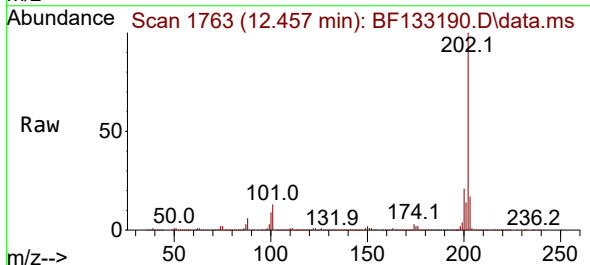
Instrument :
BNA_F
ClientSampleId :
72-11938

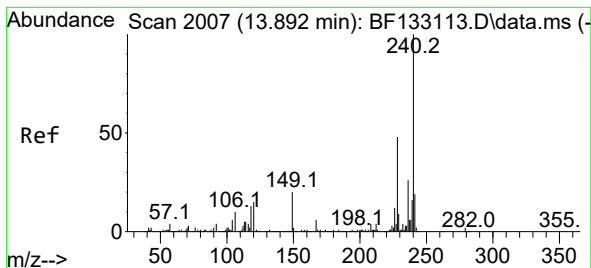
Tgt Ion:178 Resp: 296039
Ion Ratio Lower Upper
178 100
176 19.8 15.9 23.9
179 15.5 12.5 18.7



#75
Fluoranthene
Concen: 10.483 ng
RT: 12.457 min Scan# 1763
Delta R.T. -0.006 min
Lab File: BF133190.D
Acq: 02 May 2023 15:48

Tgt Ion:202 Resp: 448803
Ion Ratio Lower Upper
202 100
101 13.0 0.0 35.3
203 17.4 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.880 min Scan# 2007

Delta R.T. -0.012 min

Lab File: BF133190.D

Acq: 02 May 2023 15:48

Instrument :

BNA_F

ClientSampleId :

72-11938

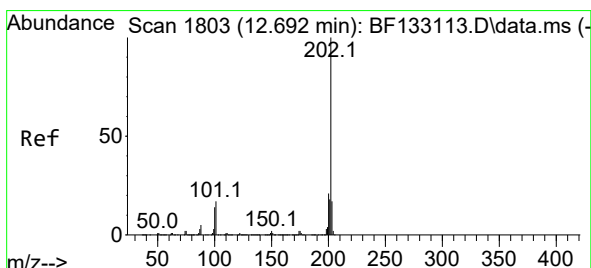
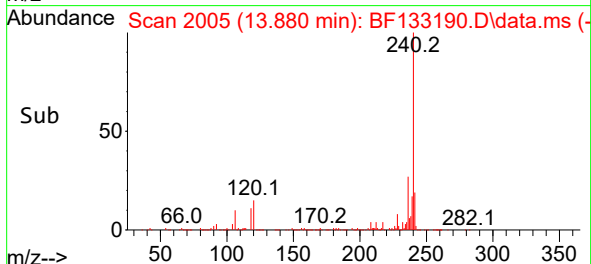
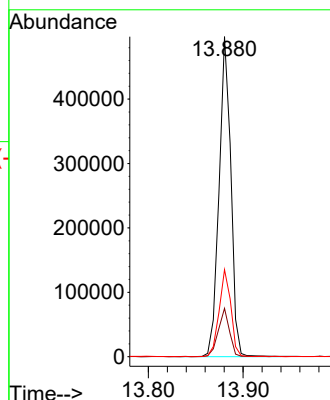
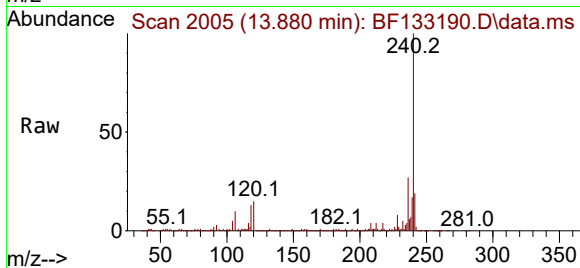
Tgt Ion:240 Resp: 429080

Ion Ratio Lower Upper

240 100

120 15.1 10.5 15.7

236 27.2 21.5 32.3



#78

Pyrene

Concen: 10.275 ng

RT: 12.686 min Scan# 1802

Delta R.T. -0.006 min

Lab File: BF133190.D

Acq: 02 May 2023 15:48

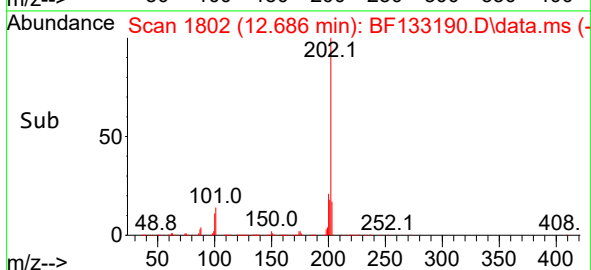
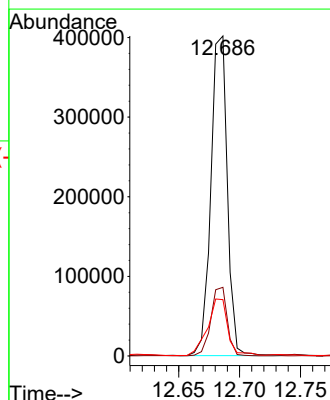
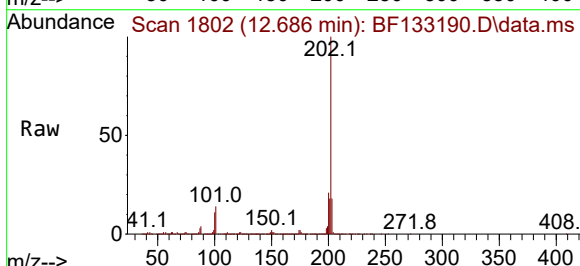
Tgt Ion:202 Resp: 377951

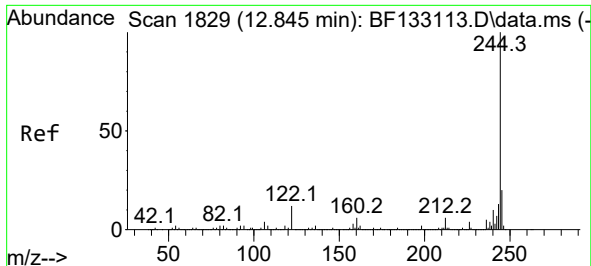
Ion Ratio Lower Upper

202 100

200 21.5 17.1 25.7

203 17.6 14.1 21.1

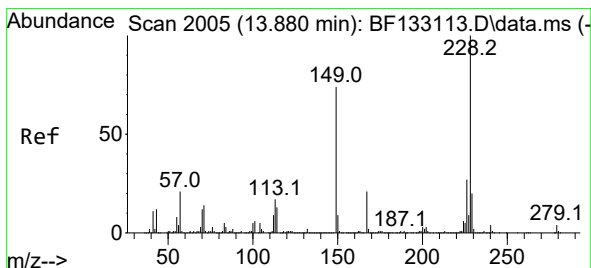
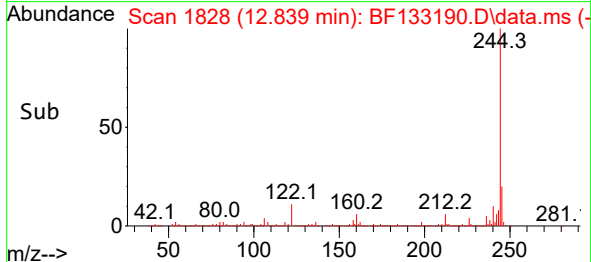
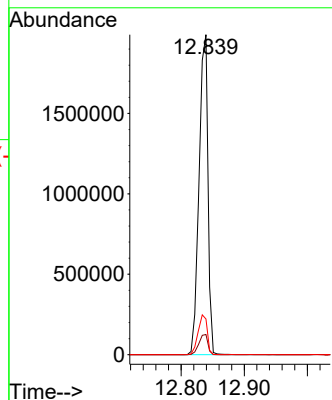
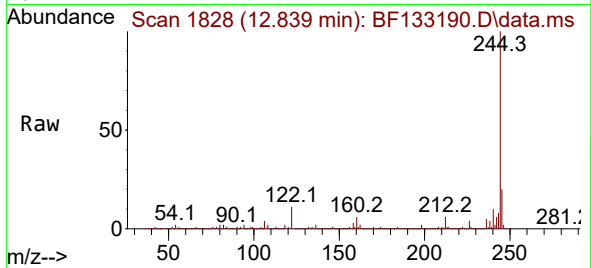




#79
 Terphenyl-d14
 Concen: 78.050 ng
 RT: 12.839 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF133190.D
 Acq: 02 May 2023 15:48

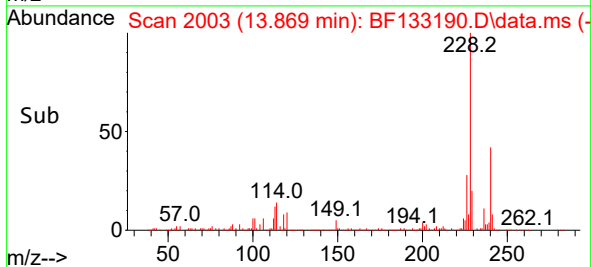
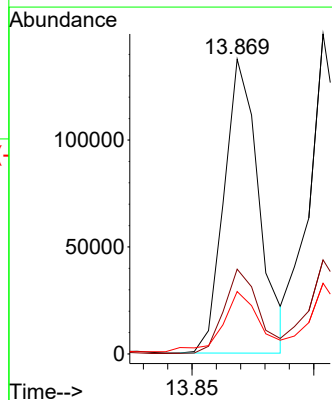
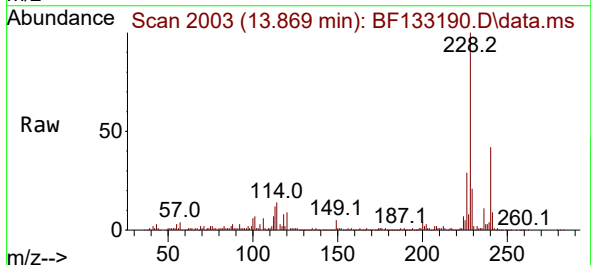
Instrument :
 BNA_F
 ClientSampleId :
 72-11938

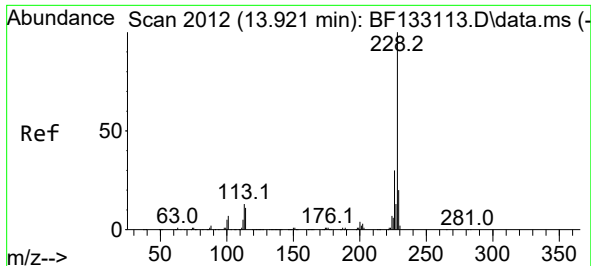
Tgt Ion:244 Resp: 1941797
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.1 7.7
 122 11.2 8.6 13.0



#81
 Benzo(a)anthracene
 Concen: 4.648 ng
 RT: 13.869 min Scan# 2003
 Delta R.T. -0.012 min
 Lab File: BF133190.D
 Acq: 02 May 2023 15:48

Tgt Ion:228 Resp: 137136
 Ion Ratio Lower Upper
 228 100
 226 28.7 22.2 33.4
 229 21.2 16.0 24.0

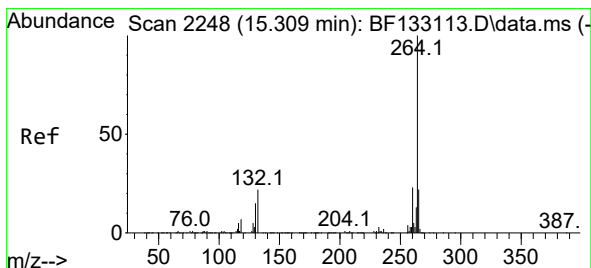
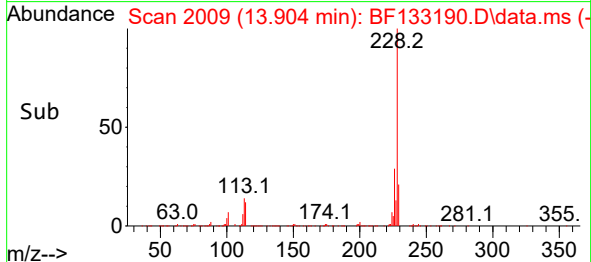
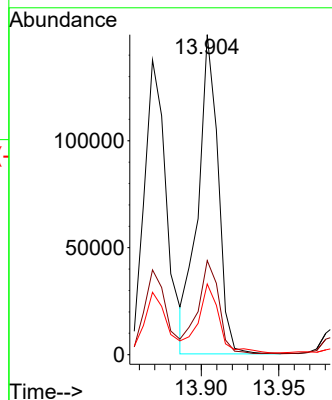
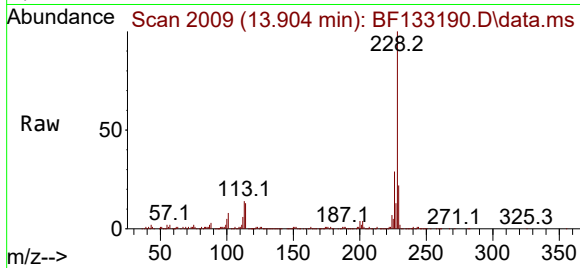




#83
Chrysene
Concen: 4.575 ng
RT: 13.904 min Scan# 2012
Delta R.T. -0.017 min
Lab File: BF133190.D
Acq: 02 May 2023 15:48

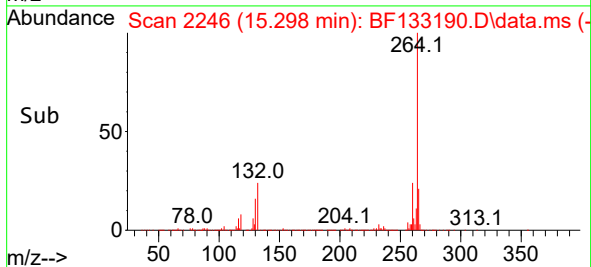
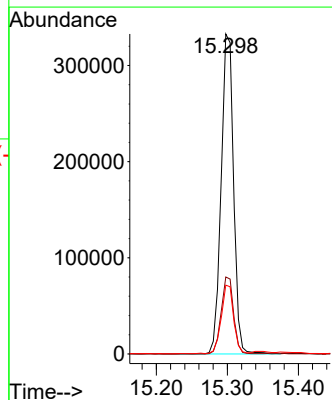
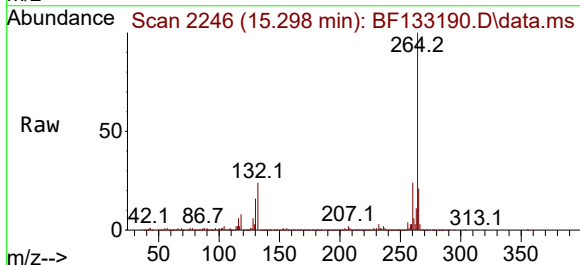
Instrument :
BNA_F
ClientSampleId :
72-11938

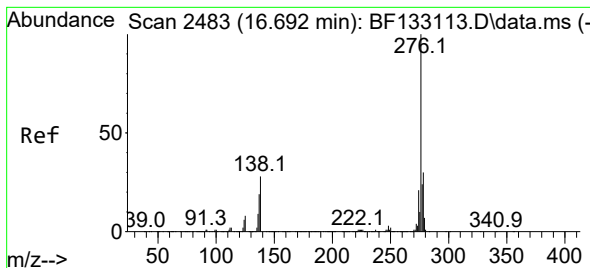
Tgt Ion:228 Resp: 134945
Ion Ratio Lower Upper
228 100
226 29.4 24.7 37.1
229 22.1 16.1 24.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.298 min Scan# 2246
Delta R.T. -0.012 min
Lab File: BF133190.D
Acq: 02 May 2023 15:48

Tgt Ion:264 Resp: 401785
Ion Ratio Lower Upper
264 100
260 24.1 18.8 28.2
265 21.5 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.979 ng

RT: 16.668 min Scan# 2483

Delta R.T. -0.023 min

Lab File: BF133190.D

Acq: 02 May 2023 15:48

Instrument :

BNA_F

ClientSampleId :

72-11938

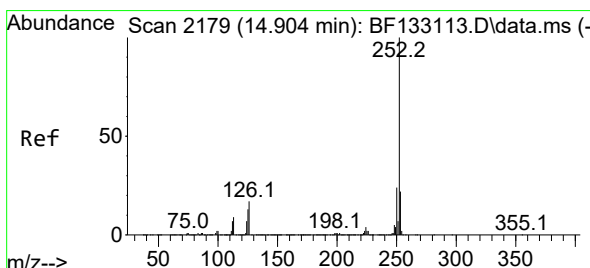
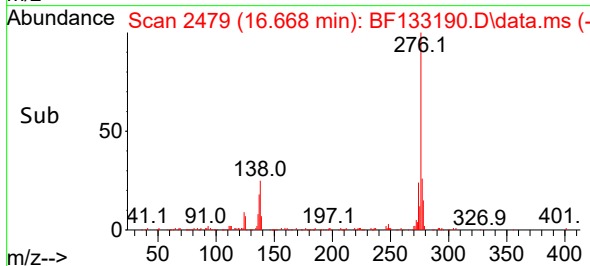
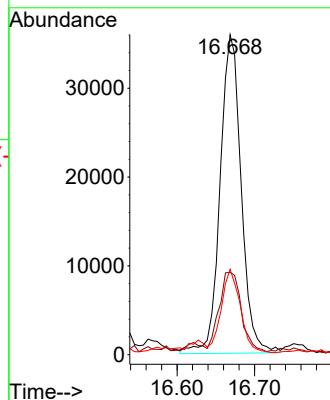
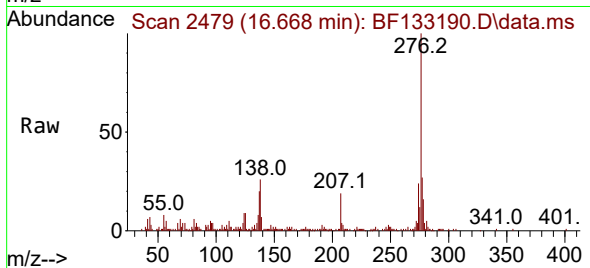
Tgt Ion:276 Resp: 68081

Ion Ratio Lower Upper

276 100

138 25.8 25.5 38.3

277 23.4 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 7.230 ng

RT: 14.898 min Scan# 2178

Delta R.T. -0.006 min

Lab File: BF133190.D

Acq: 02 May 2023 15:48

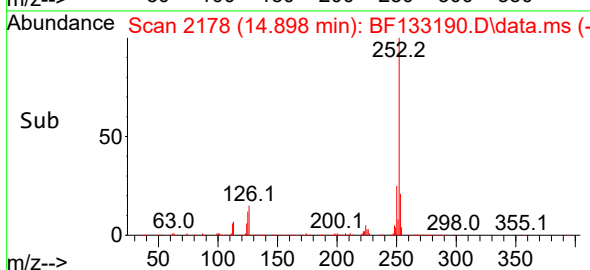
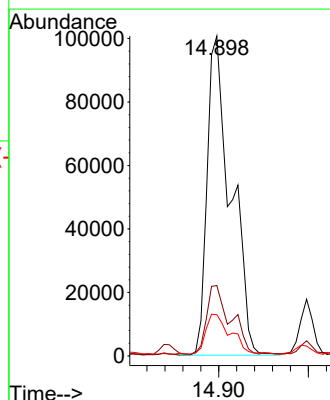
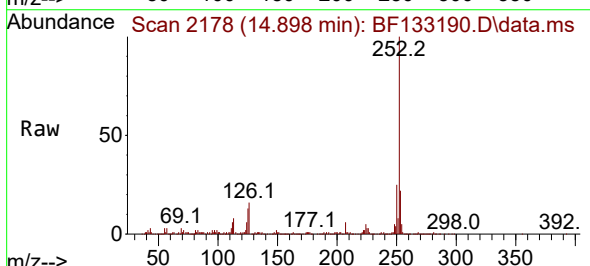
Tgt Ion:252 Resp: 184801

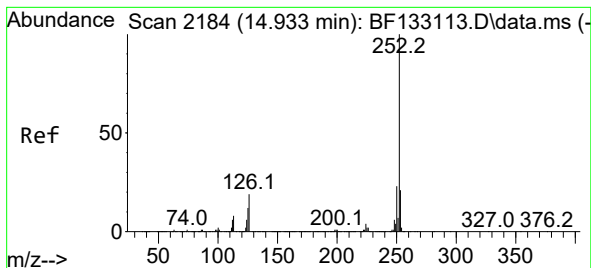
Ion Ratio Lower Upper

252 100

253 22.0 17.6 26.4

125 12.9 8.9 13.3





#89

Benzo(k)fluoranthene

Concen: 7.293 ng

RT: 14.898 min Scan# 2184

Delta R.T. -0.035 min

Lab File: BF133190.D

Acq: 02 May 2023 15:48

Instrument :

BNA_F

ClientSampleId :

72-11938

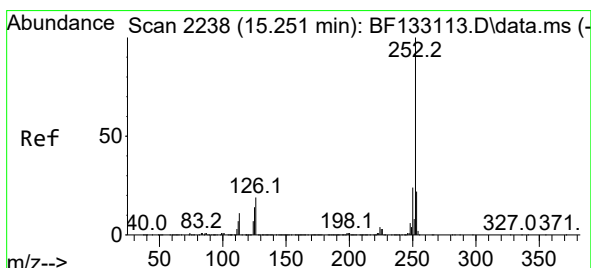
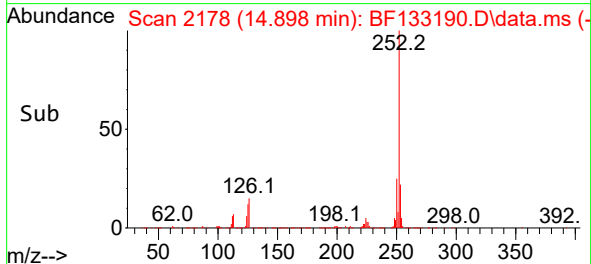
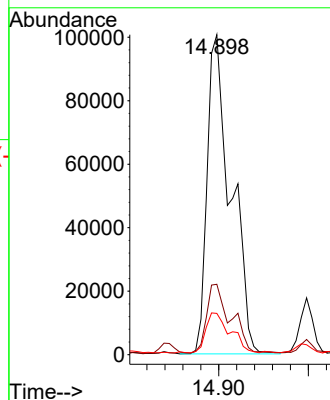
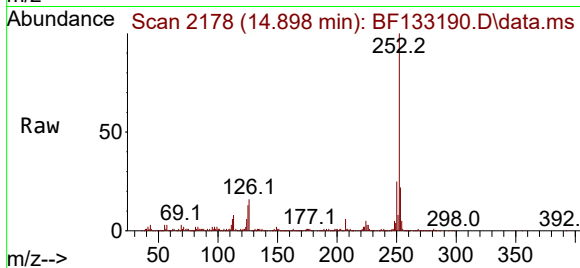
Tgt Ion:252 Resp: 184801

Ion Ratio Lower Upper

252 100

253 22.0 17.7 26.5

125 12.9 9.0 13.4



#90

Benzo(a)pyrene

Concen: 4.003 ng

RT: 15.239 min Scan# 2236

Delta R.T. -0.012 min

Lab File: BF133190.D

Acq: 02 May 2023 15:48

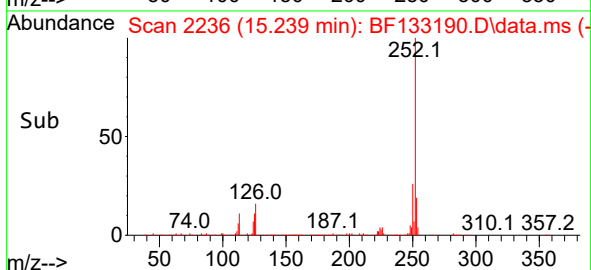
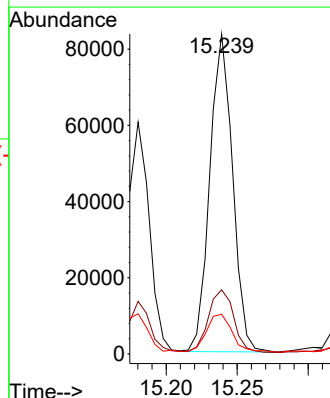
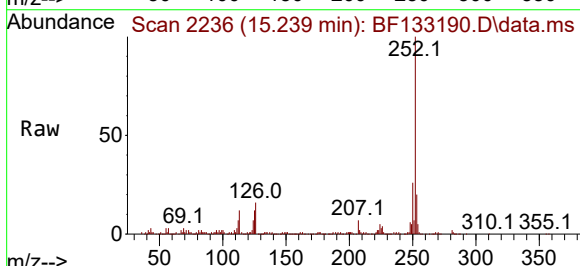
Tgt Ion:252 Resp: 93135

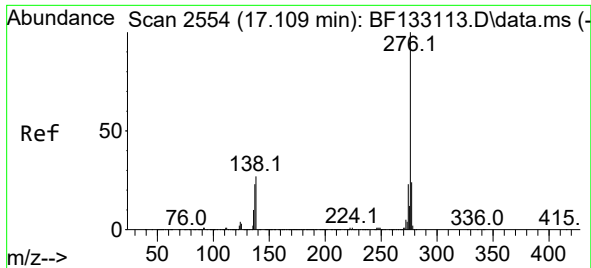
Ion Ratio Lower Upper

252 100

253 20.0 17.7 26.5

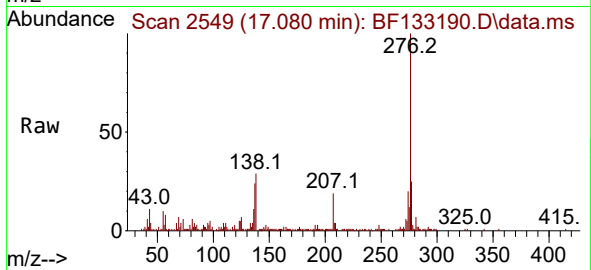
125 12.4 10.5 15.7





#92
 Benzo(g,h,i)perylene
 Concen: 3.446 ng
 RT: 17.080 min Scan# 21
 Delta R.T. -0.029 min
 Lab File: BF133190.D
 Acq: 02 May 2023 15:48

Instrument :
 BNA_F
 ClientSampleId :
 72-11938



Tgt Ion: 276 Resp: 64851
 Ion Ratio Lower Upper
 276 100
 277 25.0 19.4 29.0
 138 29.1 22.7 34.1

