

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011123\
 Data File : BF132030.D
 Acq On : 11 Jan 2023 19:01
 Operator : CG\JU
 Sample : 01080-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-3-(10-12)

Quant Time: Jan 12 00:37:13 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 10 00:32:25 2023
 Response via : Initial Calibration

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

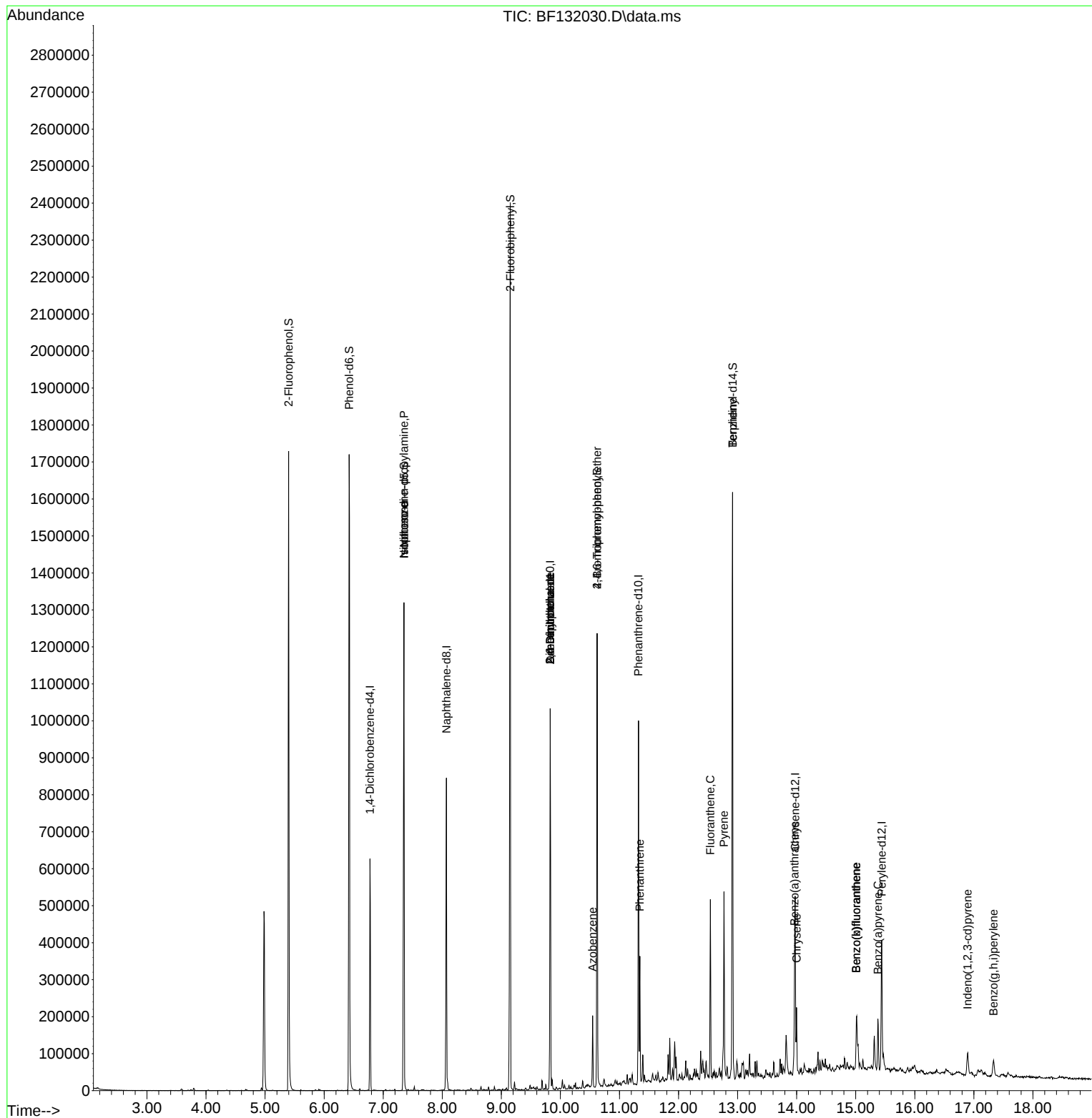
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.775	152	86685	20.000	ng	-0.01
21) Naphthalene-d8	8.069	136	325636	20.000	ng	-0.01
39) Acenaphthene-d10	9.828	164	186635	20.000	ng	-0.01
64) Phenanthrene-d10	11.322	188	316181	20.000	ng	-0.01
76) Chrysene-d12	13.974	240	136773	20.000	ng	-0.01
86) Perylene-d12	15.439	264	153703	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.399	112	405417	77.065	ng	0.00
7) Phenol-d6	6.422	99	610676	87.551	ng	-0.01
23) Nitrobenzene-d5	7.351	82	441420	56.261	ng	-0.02
42) 2,4,6-Tribromophenol	10.622	330	118533	55.237	ng	-0.02
45) 2-Fluorobiphenyl	9.151	172	724109	52.376	ng	-0.01
79) Terphenyl-d14	12.916	244	516835	54.160	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.351	70	62188	12.325	ng	# 77
25) Isophorone	7.351	82	437355	29.838	ng	# 69
50) Dimethylphthalate	9.828	163	38569	2.651	ng	# 1
51) 2,6-Dinitrotoluene	9.828	165	24297	7.941	ng	# 22
57) 2,4-Dinitrotoluene	9.828	165	24297	5.939	ng	# 13
63) Azobenzene	10.545	77	31818	2.097	ng	# 1
67) 4-Bromophenyl-phenylether	10.622	248	8354	2.112	ng	# 1
71) Phenanthrene	11.345	178	108973	6.611	ng	100
75) Fluoranthene	12.539	202	174648	9.422	ng	99
77) Benzidine	12.916	184	9179	2.020	ng	# 95
78) Pyrene	12.769	202	185072	14.836	ng	98
81) Benzo(a)anthracene	13.963	228	76163	7.654	ng	98
83) Chrysene	13.998	228	62297	6.699	ng	99
87) Indeno(1,2,3-cd)pyrene	16.892	276	36270	3.848	ng	97
88) Benzo(b)fluoranthene	15.010	252	104166	9.881	ng	98
89) Benzo(k)fluoranthene	15.010	252	104166	9.901	ng	# 98
90) Benzo(a)pyrene	15.374	252	62602	6.591	ng	# 95
92) Benzo(g,h,i)perylene	17.333	276	35270	7.387	ng	99

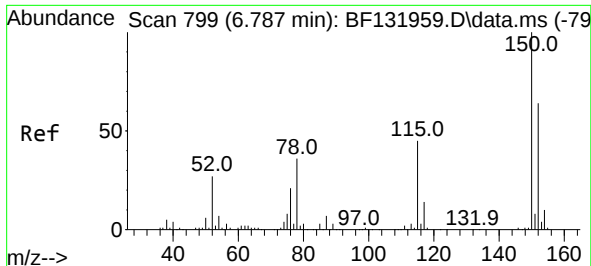
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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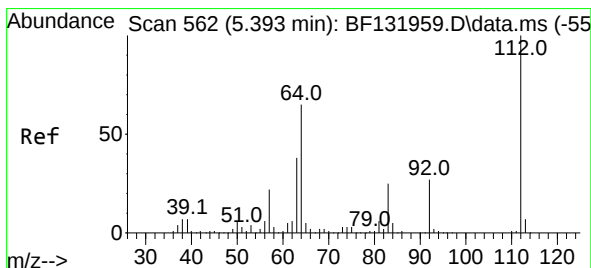
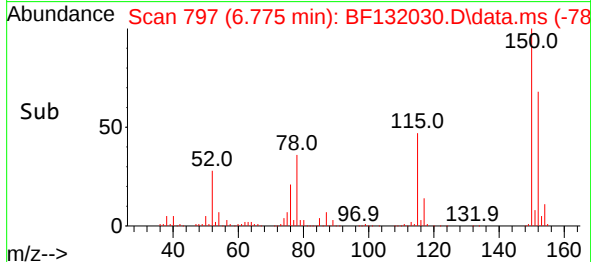
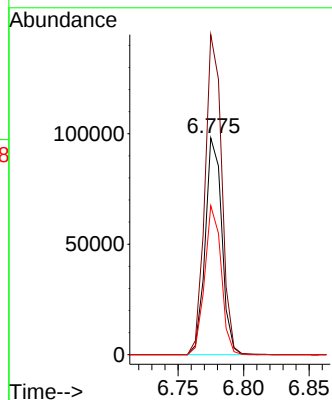
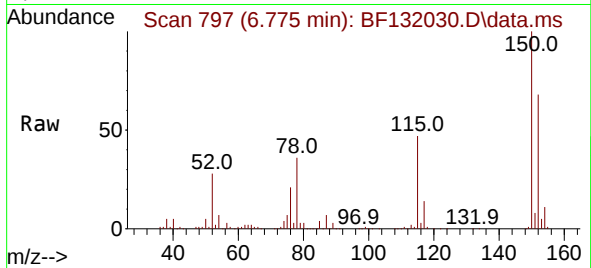




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.775 min Scan# 799
Delta R.T. -0.012 min
Lab File: BF132030.D
Acq: 11 Jan 2023 19:01

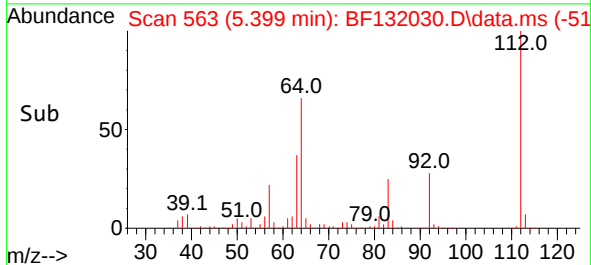
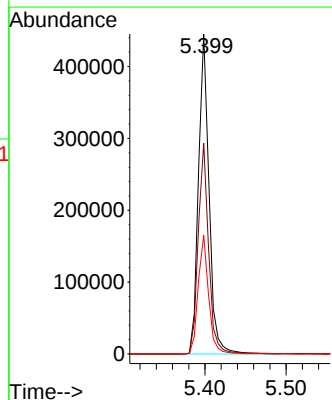
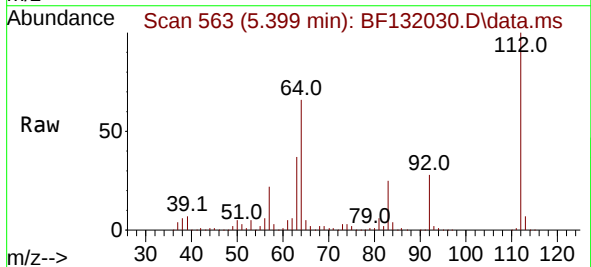
Instrument :
BNA_F
ClientSampleId :
B-3-(10-12)

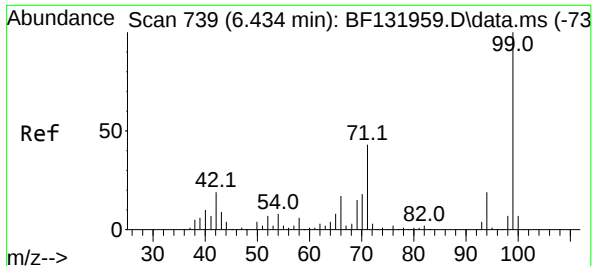
Tgt Ion:152 Resp: 86685
Ion Ratio Lower Upper
152 100
150 147.6 124.6 186.8
115 68.7 55.6 83.4



#5
2-Fluorophenol
Concen: 77.065 ng
RT: 5.399 min Scan# 563
Delta R.T. 0.006 min
Lab File: BF132030.D
Acq: 11 Jan 2023 19:01

Tgt Ion:112 Resp: 405417
Ion Ratio Lower Upper
112 100
64 65.9 51.9 77.9
63 37.1 30.2 45.2

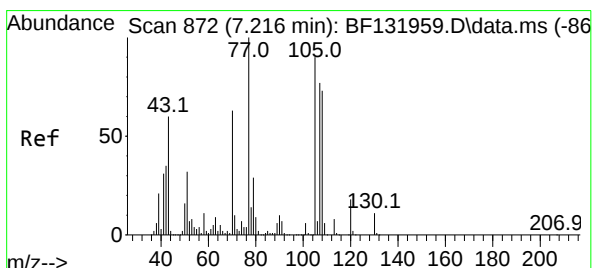
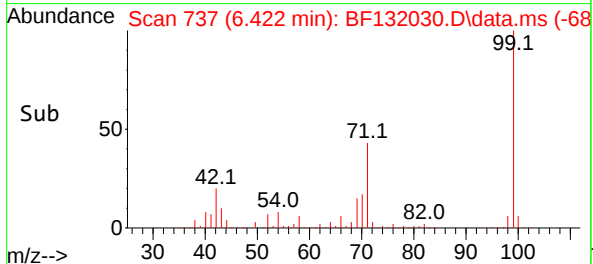
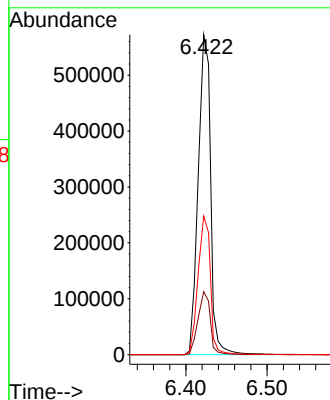
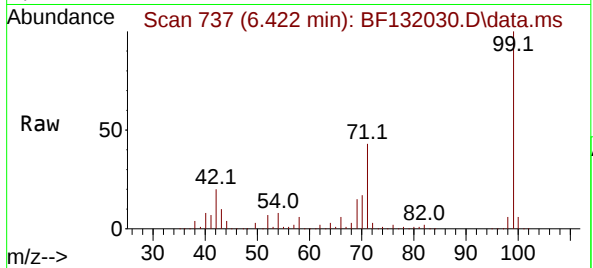




#7
Phenol-d6
Concen: 87.551 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF132030.D
Acq: 11 Jan 2023 19:01

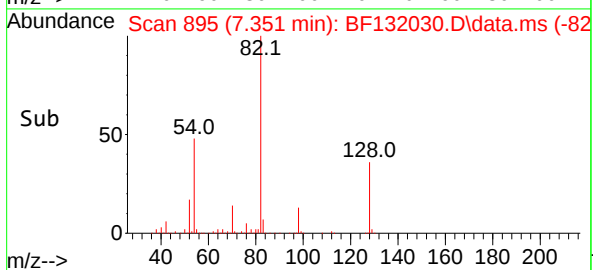
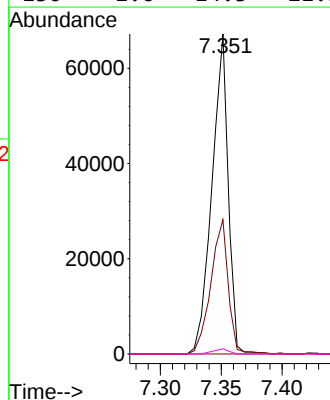
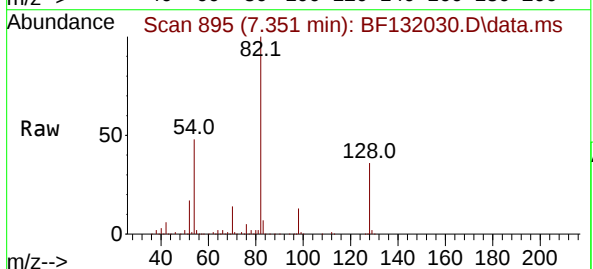
Instrument :
BNA_F
ClientSampleId :
B-3-(10-12)

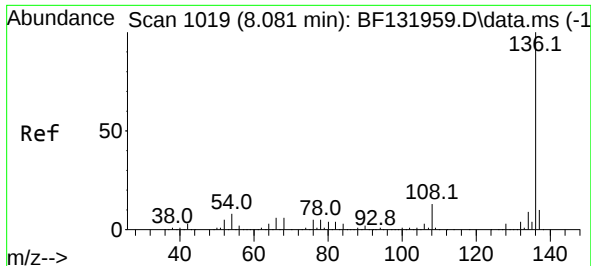
Tgt Ion: 99 Resp: 610676
Ion Ratio Lower Upper
99 100
42 19.7 15.4 23.2
71 43.3 34.6 51.8



#19
n-Nitroso-di-n-propylamine
Concen: 12.325 ng
RT: 7.351 min Scan# 895
Delta R.T. 0.135 min
Lab File: BF132030.D
Acq: 11 Jan 2023 19:01

Tgt Ion: 70 Resp: 62188
Ion Ratio Lower Upper
70 100
42 42.0 44.3 66.5#
101 0.0 7.5 11.3#
130 1.6 14.3 21.5#



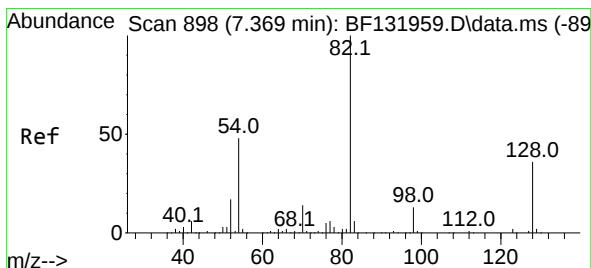
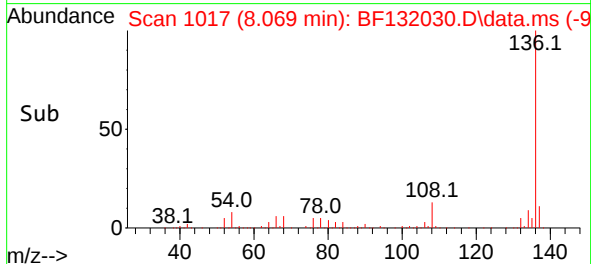
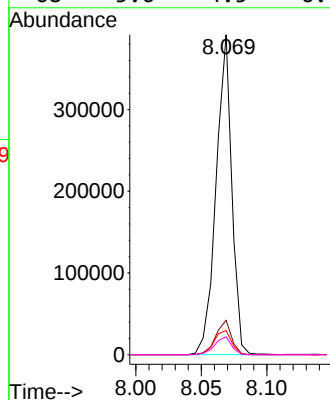
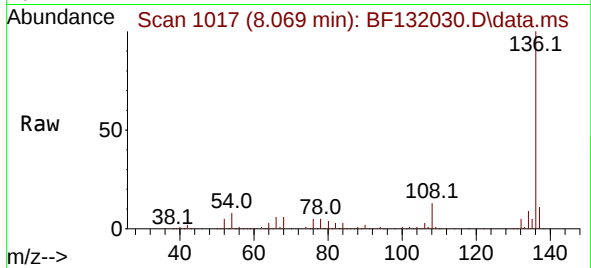


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1019
Delta R.T. -0.012 min
Lab File: BF132030.D
Acq: 11 Jan 2023 19:01

Instrument :
BNA_F
ClientSampleId :
B-3-(10-12)

Tgt Ion:136 Resp: 325636

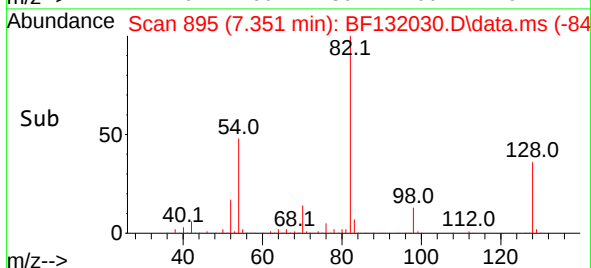
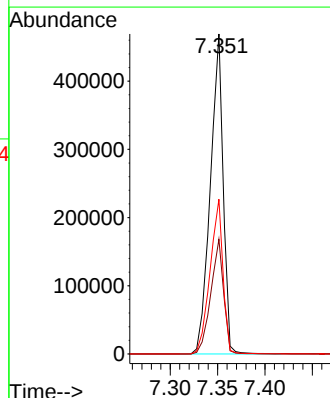
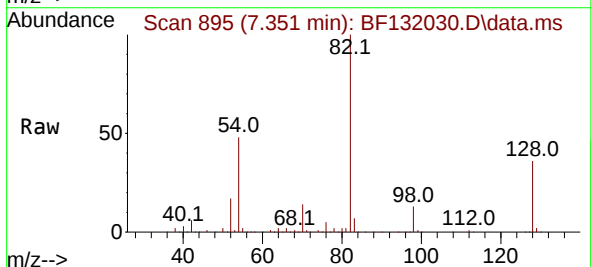
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.2	12.2
54	7.6	6.6	9.8
68	5.6	4.5	6.7

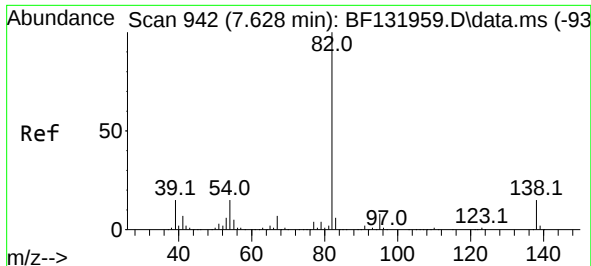


#23
Nitrobenzene-d5
Concen: 56.261 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.018 min
Lab File: BF132030.D
Acq: 11 Jan 2023 19:01

Tgt Ion: 82 Resp: 441420

Ion	Ratio	Lower	Upper
82	100		
128	35.9	28.7	43.1
54	48.4	38.1	57.1

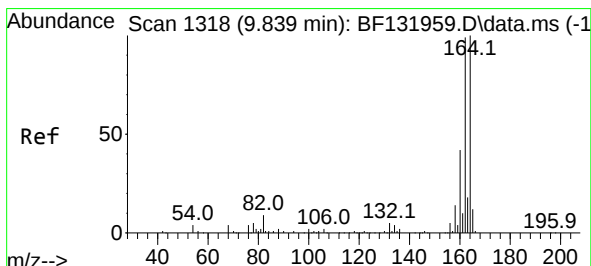
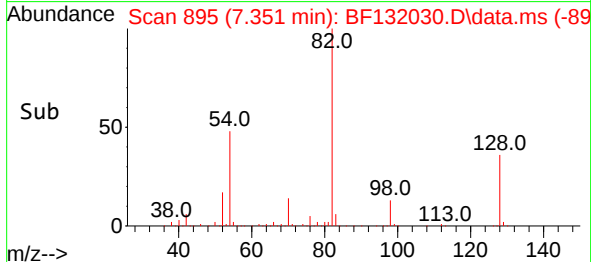
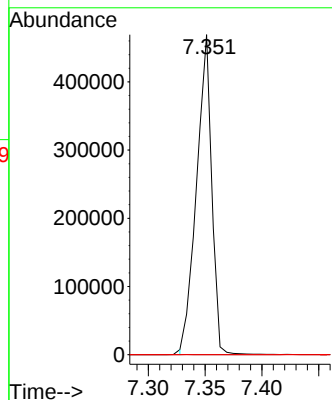
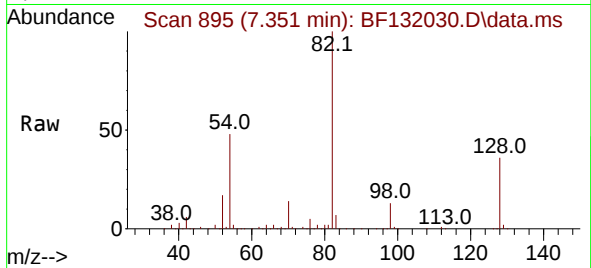




#25
Isophorone
Concen: 29.838 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.276 min
Lab File: BF132030.D
Acq: 11 Jan 2023 19:01

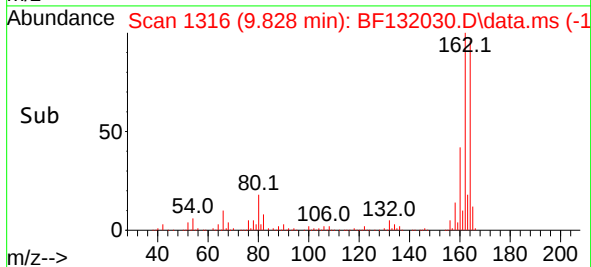
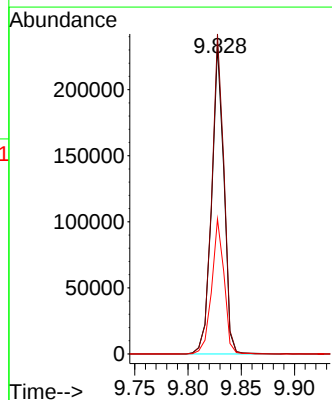
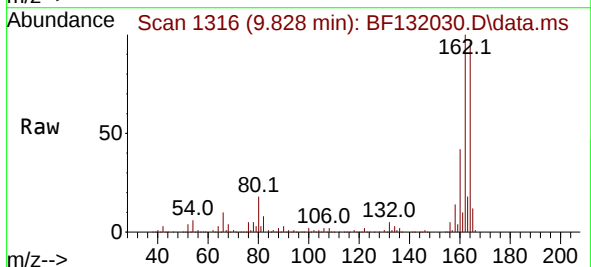
Instrument :
BNA_F
ClientSampleId :
B-3-(10-12)

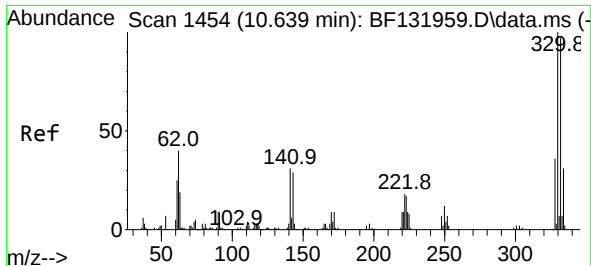
Tgt Ion: 82 Resp: 437355
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 11.9 17.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF132030.D
Acq: 11 Jan 2023 19:01

Tgt Ion:164 Resp: 186635
Ion Ratio Lower Upper
164 100
162 103.9 79.4 119.0
160 43.8 33.9 50.9





#42

2,4,6-Tribromophenol

Concen: 55.237 ng

RT: 10.622 min Scan# 1451

Delta R.T. -0.018 min

Lab File: BF132030.D

Acq: 11 Jan 2023 19:01

Instrument :

BNA_F

ClientSampleId :

B-3-(10-12)

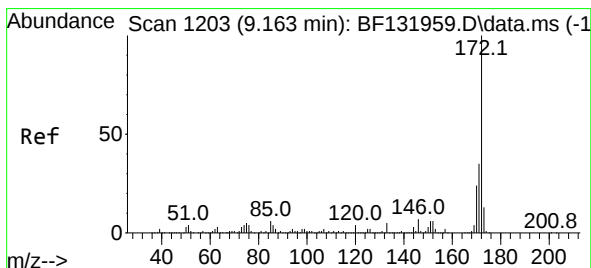
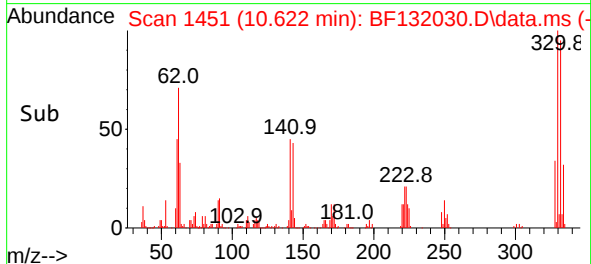
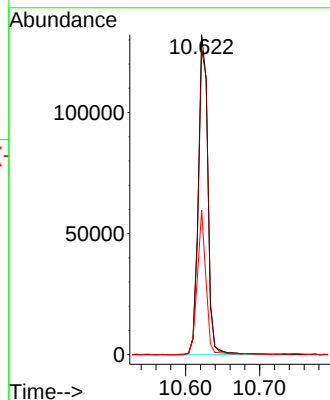
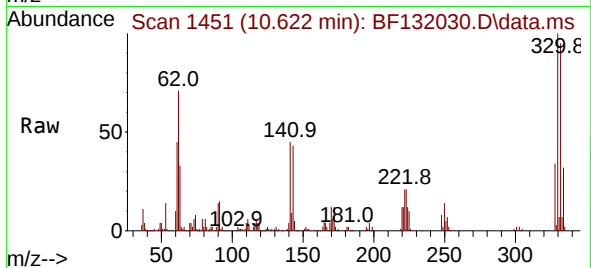
Tgt Ion:330 Resp: 118533

Ion Ratio Lower Upper

330 100

332 97.1 76.9 115.3

141 40.8 31.3 46.9



#45

2-Fluorobiphenyl

Concen: 52.376 ng

RT: 9.151 min Scan# 1201

Delta R.T. -0.012 min

Lab File: BF132030.D

Acq: 11 Jan 2023 19:01

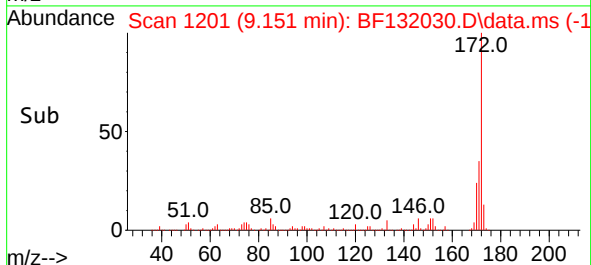
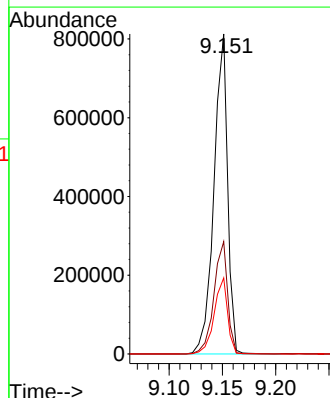
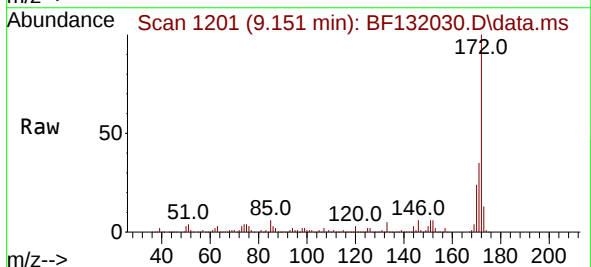
Tgt Ion:172 Resp: 724109

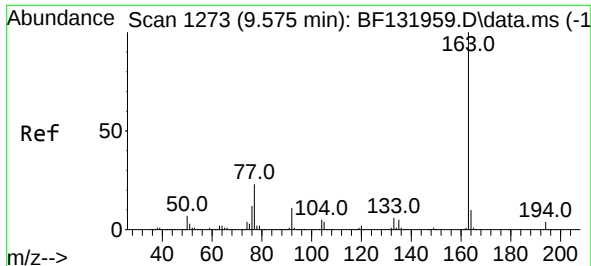
Ion Ratio Lower Upper

172 100

171 35.1 28.0 42.0

170 23.7 18.9 28.3

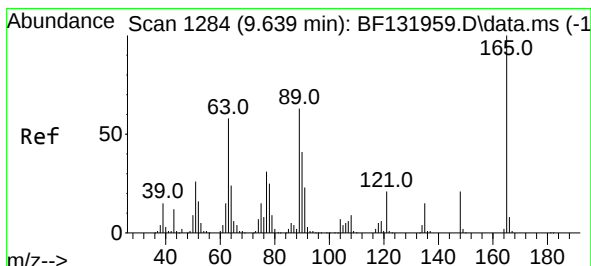
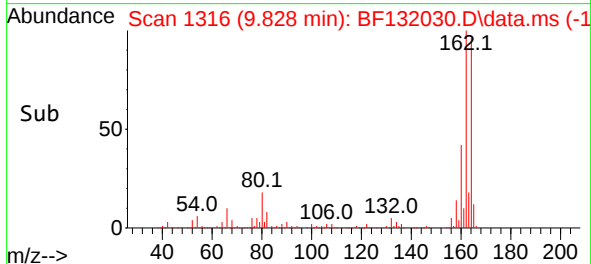
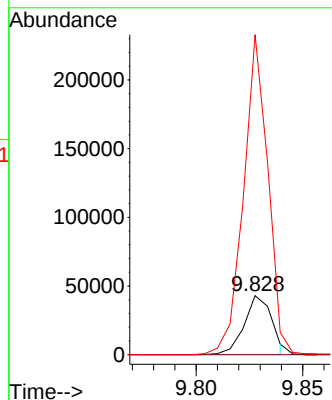
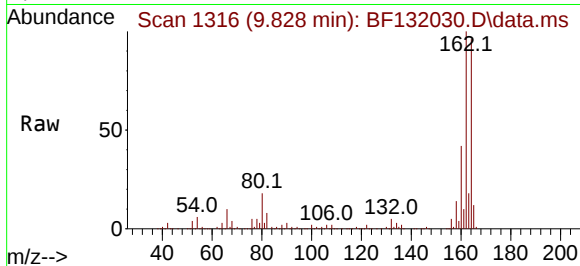




#50
Dimethylphthalate
Concen: 2.651 ng
RT: 9.828 min Scan# 11
Delta R.T. 0.253 min
Lab File: BF132030.D
Acq: 11 Jan 2023 19:01

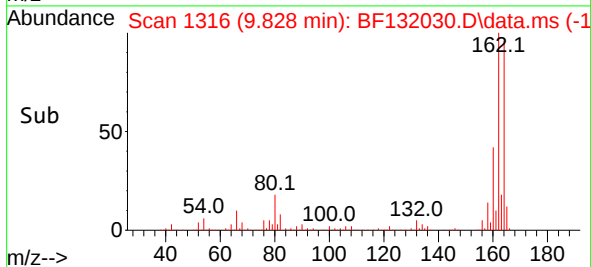
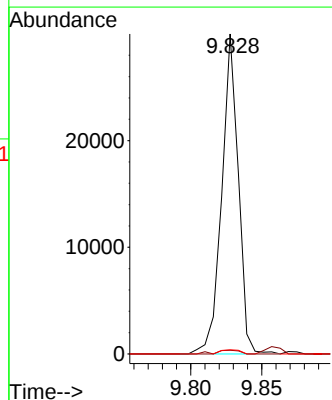
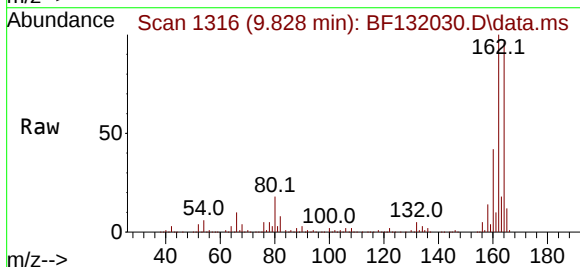
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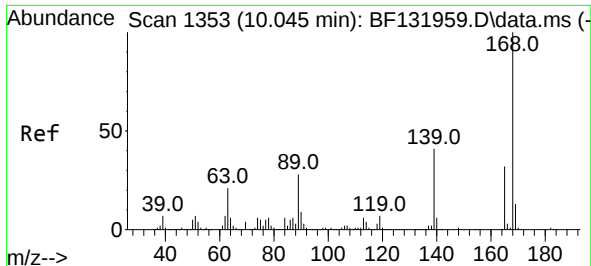
Tgt Ion:163 Resp: 38569
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 542.4 7.8 11.6#



#51
2,6-Dinitrotoluene
Concen: 7.941 ng
RT: 9.828 min Scan# 1316
Delta R.T. 0.189 min
Lab File: BF132030.D
Acq: 11 Jan 2023 19:01

Tgt Ion:165 Resp: 24297
Ion Ratio Lower Upper
165 100
63 1.1 47.4 71.0#
89 1.3 50.2 75.2#

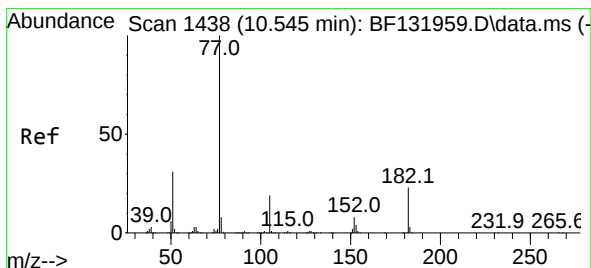
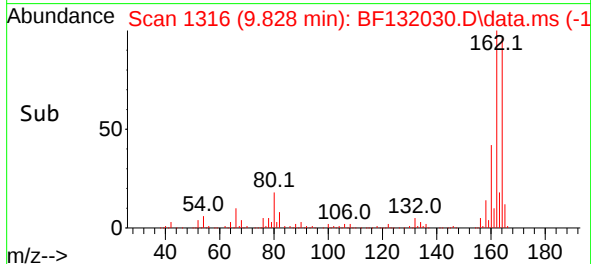
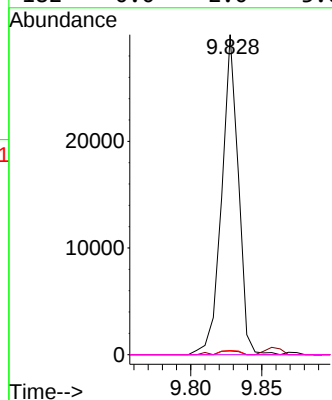
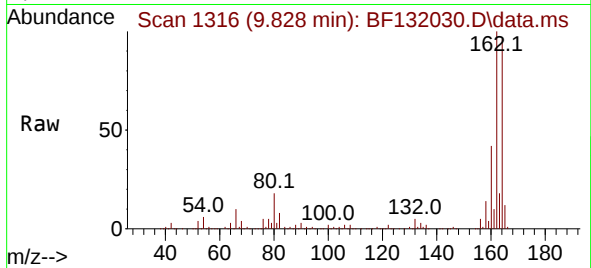




#57
2,4-Dinitrotoluene
Concen: 5.939 ng
RT: 9.828 min Scan# 1316
Delta R.T. -0.218 min
Lab File: BF132030.D
Acq: 11 Jan 2023 19:01

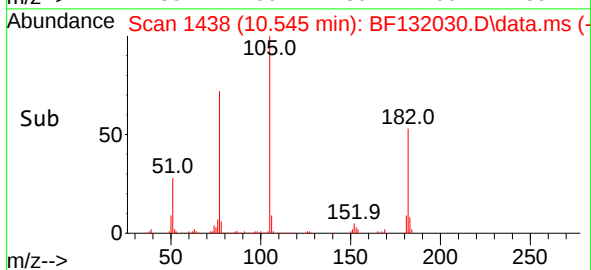
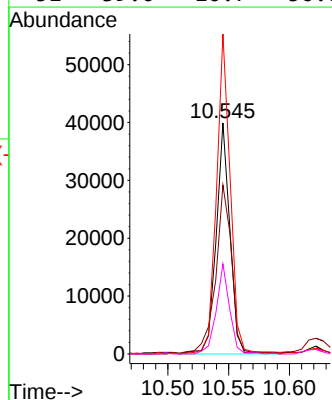
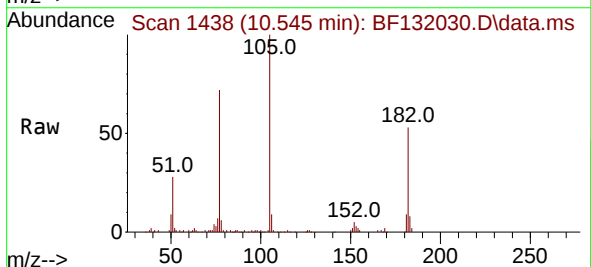
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B-3-(10-12)

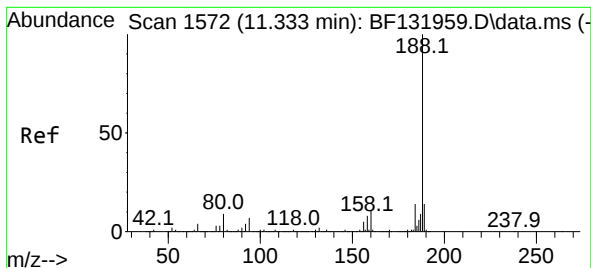
Tgt Ion:165 Resp: 24297
Ion Ratio Lower Upper
165 100
63 1.1 53.2 79.8#
89 1.3 71.2 106.8#
182 0.0 2.0 3.0#



#63
Azobenzene
Concen: 2.097 ng
RT: 10.545 min Scan# 1438
Delta R.T. -0.000 min
Lab File: BF132030.D
Acq: 11 Jan 2023 19:01

Tgt Ion: 77 Resp: 31818
Ion Ratio Lower Upper
77 100
182 73.1 2.9 42.9#
105 138.5 0.0 39.3#
51 39.0 10.7 50.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.322 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF132030.D

Acq: 11 Jan 2023 19:01

Instrument :

BNA_F

ClientSampleId :

B-3-(10-12)

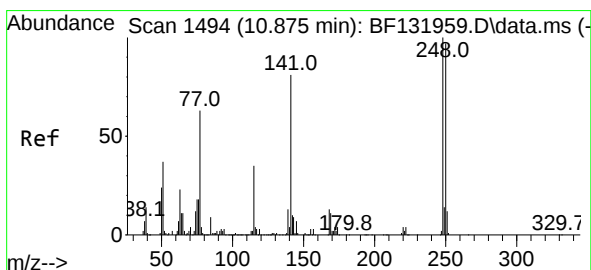
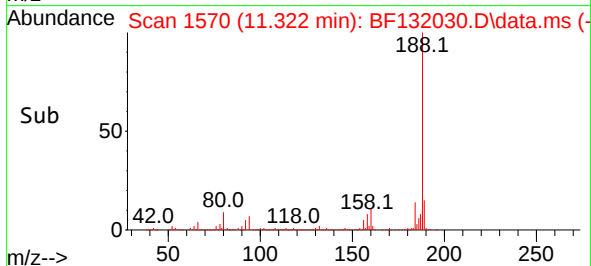
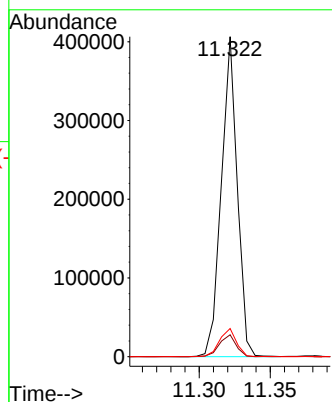
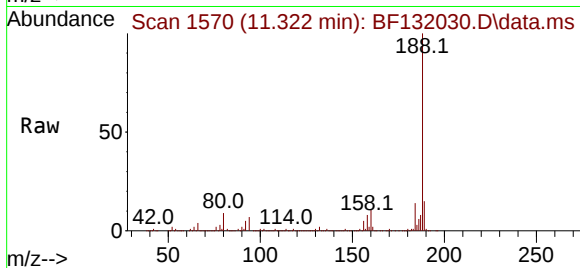
Tgt Ion:188 Resp: 316181

Ion Ratio Lower Upper

188 100

94 6.9 5.8 8.6

80 8.8 7.4 11.0



#67

4-Bromophenyl-phenylether

Concen: 2.112 ng

RT: 10.622 min Scan# 1451

Delta R.T. -0.253 min

Lab File: BF132030.D

Acq: 11 Jan 2023 19:01

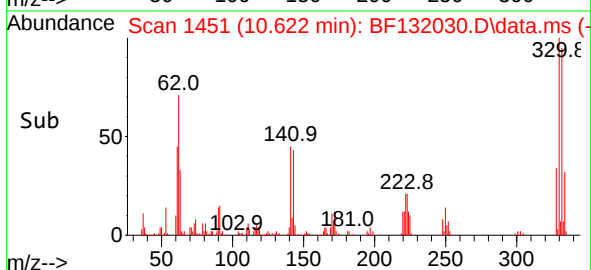
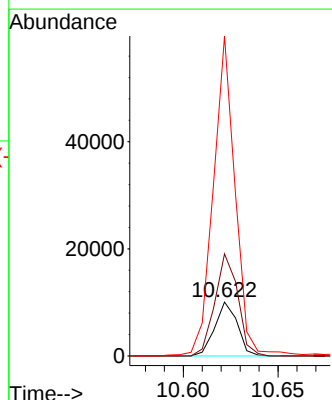
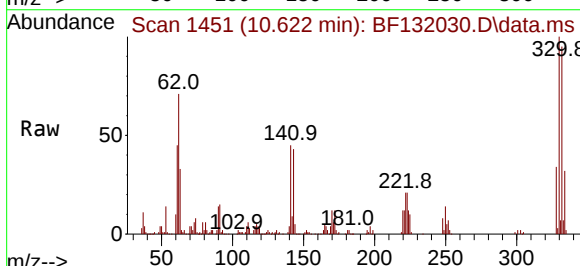
Tgt Ion:248 Resp: 8354

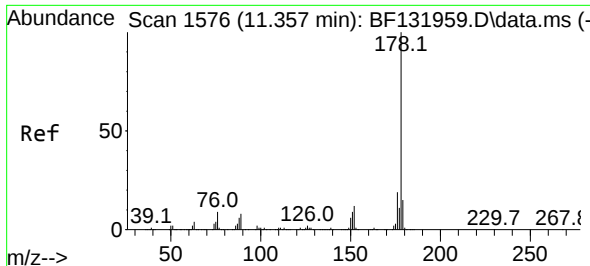
Ion Ratio Lower Upper

248 100

250 189.2 77.4 116.2#

141 592.7 65.0 97.6#

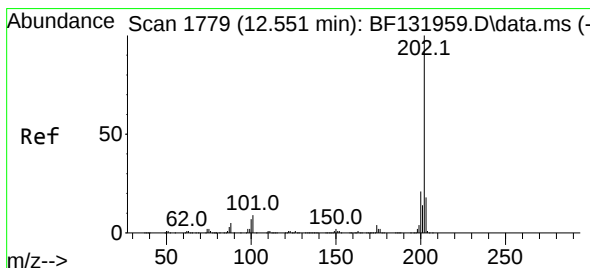
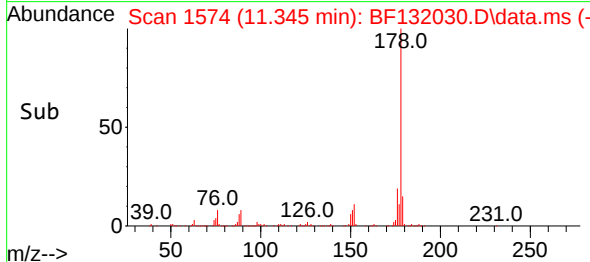
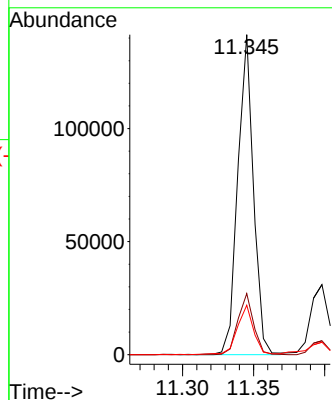
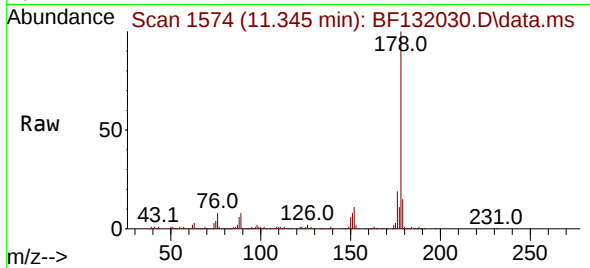




#71
Phenanthrene
Concen: 6.611 ng
RT: 11.345 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF132030.D
Acq: 11 Jan 2023 19:01

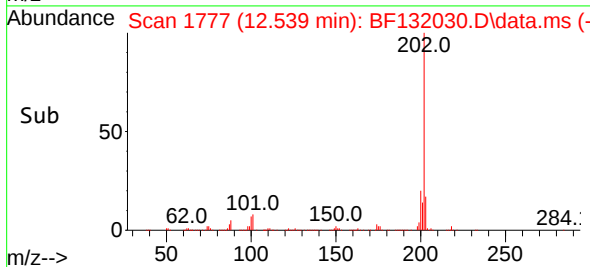
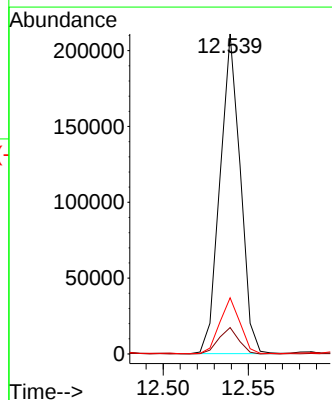
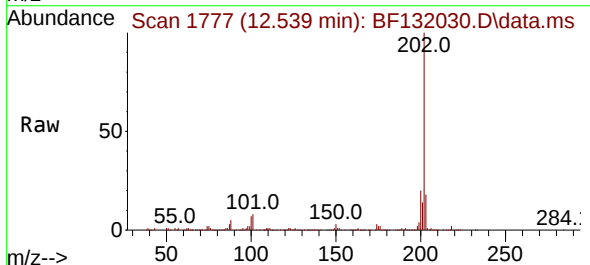
Instrument :
BNA_F
ClientSampleId :
B-3-(10-12)

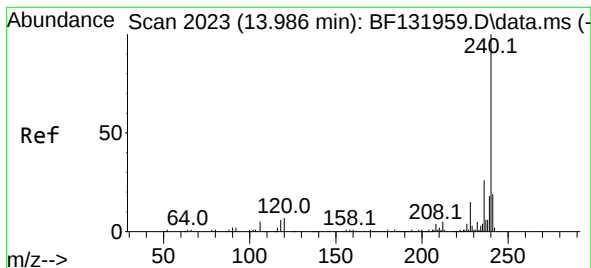
Tgt Ion:178 Resp: 108973
Ion Ratio Lower Upper
178 100
176 19.1 15.5 23.3
179 15.5 12.4 18.6



#75
Fluoranthene
Concen: 9.422 ng
RT: 12.539 min Scan# 1777
Delta R.T. -0.012 min
Lab File: BF132030.D
Acq: 11 Jan 2023 19:01

Tgt Ion:202 Resp: 174648
Ion Ratio Lower Upper
202 100
101 8.3 0.0 28.8
203 17.5 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.974 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF132030.D

Acq: 11 Jan 2023 19:01

Instrument :

BNA_F

ClientSampleId :

B-3-(10-12)

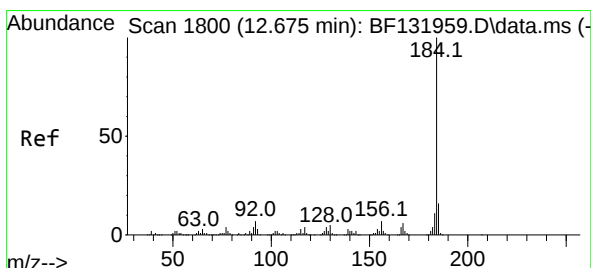
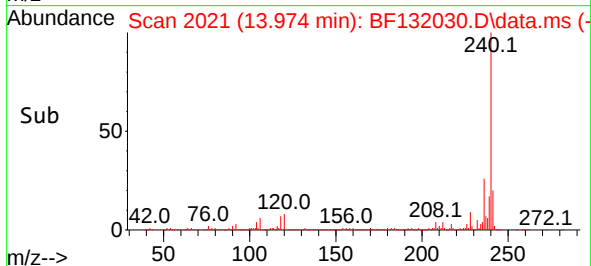
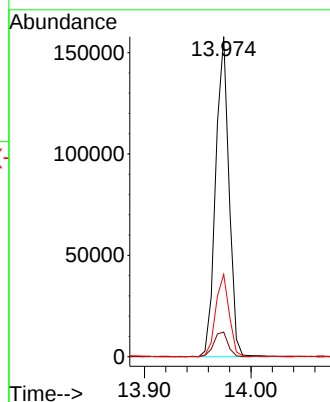
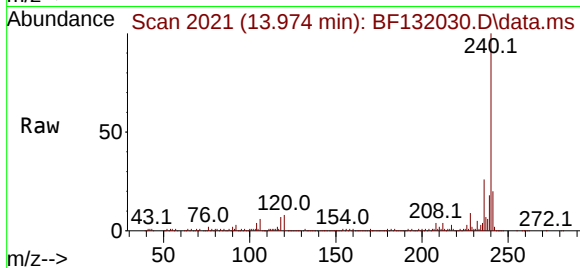
Tgt Ion:240 Resp: 136773

Ion Ratio Lower Upper

240 100

120 7.7 5.4 8.0

236 25.7 21.1 31.7



#77

Benzidine

Concen: 2.020 ng

RT: 12.916 min Scan# 1841

Delta R.T. 0.241 min

Lab File: BF132030.D

Acq: 11 Jan 2023 19:01

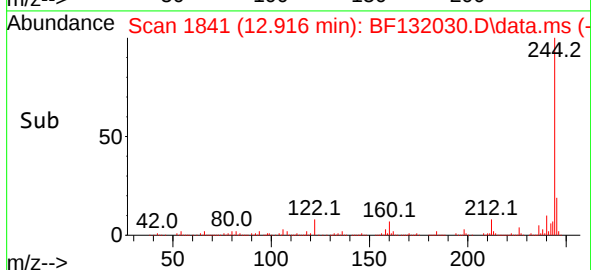
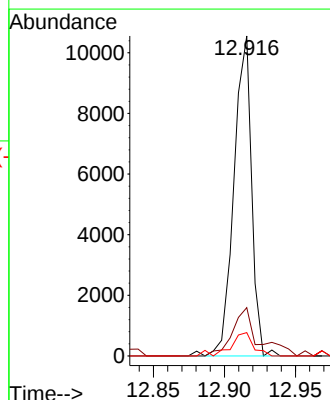
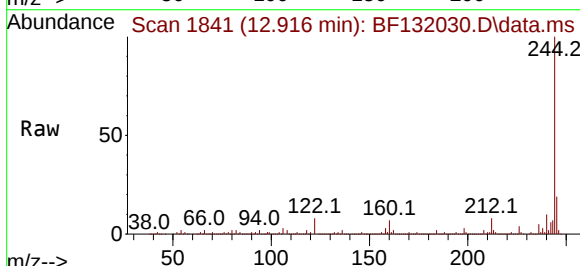
Tgt Ion:184 Resp: 9179

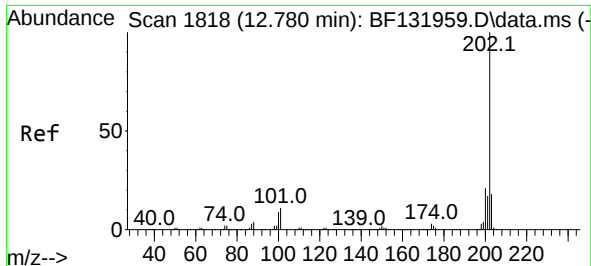
Ion Ratio Lower Upper

184 100

185 15.1 12.8 19.2

183 7.3 9.0 13.4#

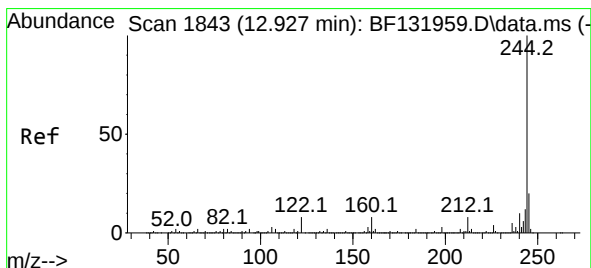
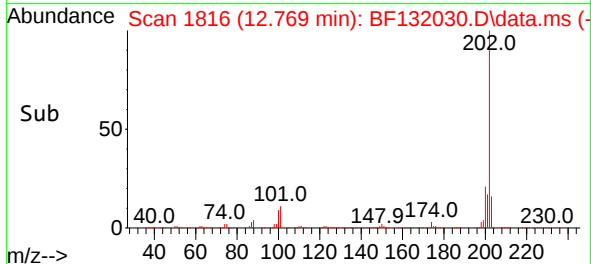
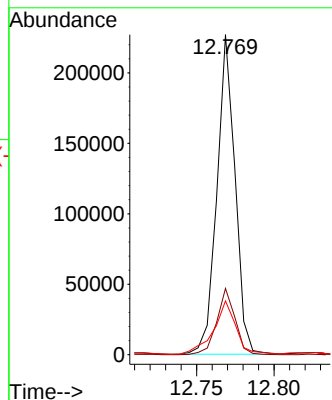
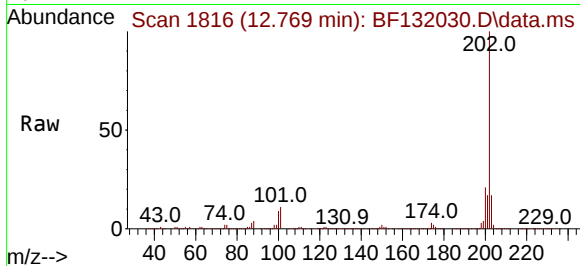




#78
 Pyrene
 Concen: 14.836 ng
 RT: 12.769 min Scan# 1816
 Delta R.T. -0.012 min
 Lab File: BF132030.D
 Acq: 11 Jan 2023 19:01

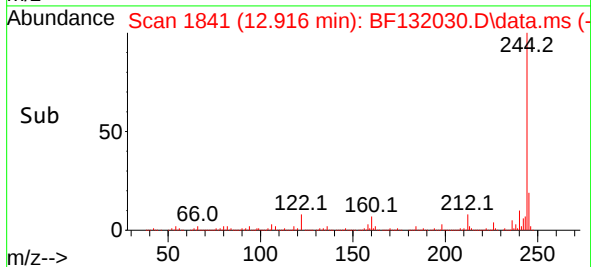
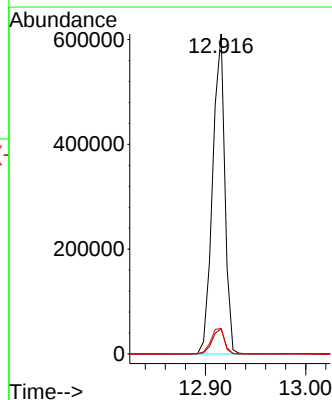
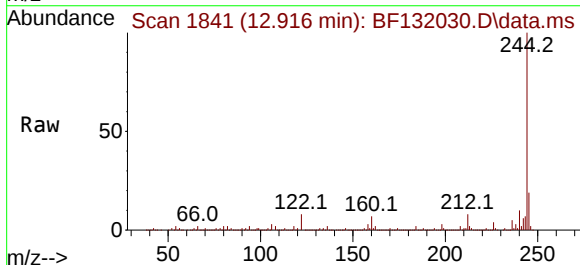
Instrument :
 BNA_F
 ClientSampleId :
 B-3-(10-12)

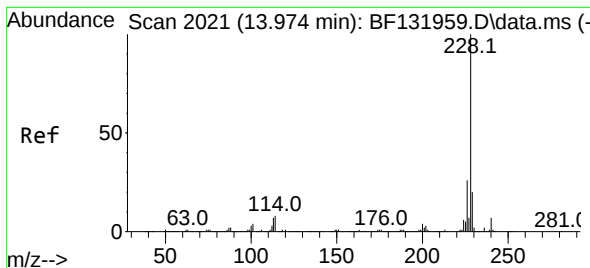
Tgt Ion:202 Resp: 185072
 Ion Ratio Lower Upper
 202 100
 200 20.7 17.0 25.6
 203 16.8 14.1 21.1



#79
 Terphenyl-d14
 Concen: 54.160 ng
 RT: 12.916 min Scan# 1841
 Delta R.T. -0.012 min
 Lab File: BF132030.D
 Acq: 11 Jan 2023 19:01

Tgt Ion:244 Resp: 516835
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.3 9.5
 122 7.9 6.8 10.2





#81

Benzo(a)anthracene

Concen: 7.654 ng

RT: 13.963 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF132030.D

Acq: 11 Jan 2023 19:01

Instrument :

BNA_F

ClientSampleId :

B-3-(10-12)

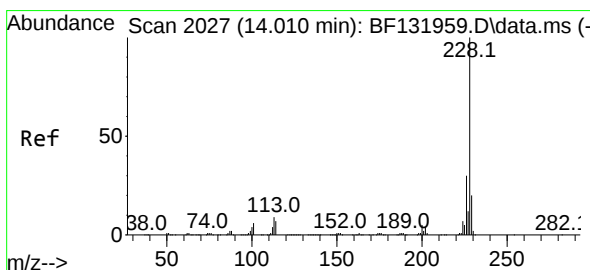
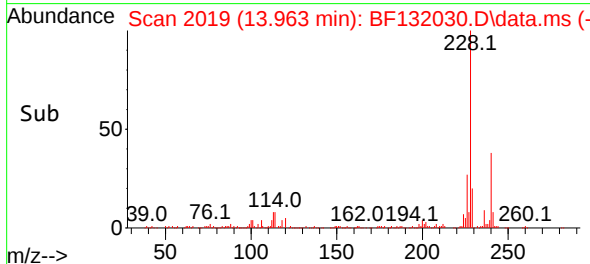
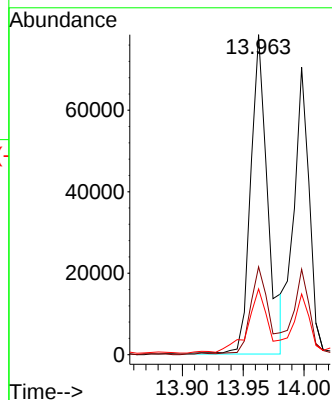
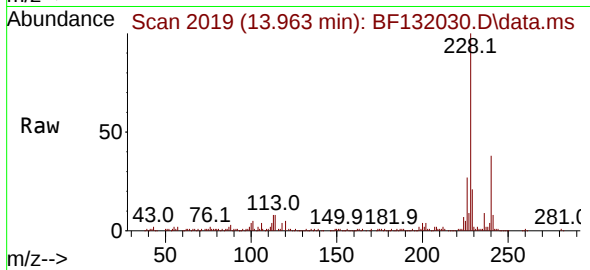
Tgt Ion:228 Resp: 76163

Ion Ratio Lower Upper

228 100

226 27.5 21.0 31.4

229 20.6 15.8 23.6



#83

Chrysene

Concen: 6.699 ng

RT: 13.998 min Scan# 2025

Delta R.T. -0.012 min

Lab File: BF132030.D

Acq: 11 Jan 2023 19:01

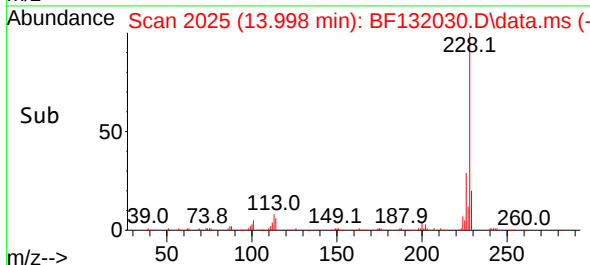
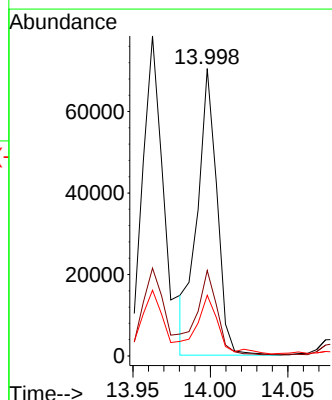
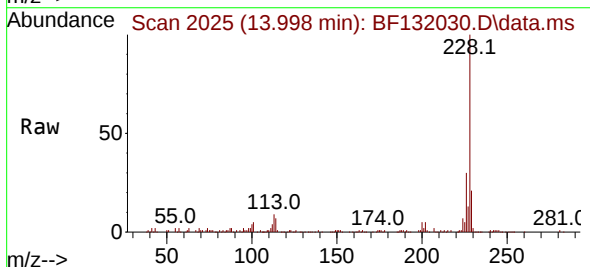
Tgt Ion:228 Resp: 62297

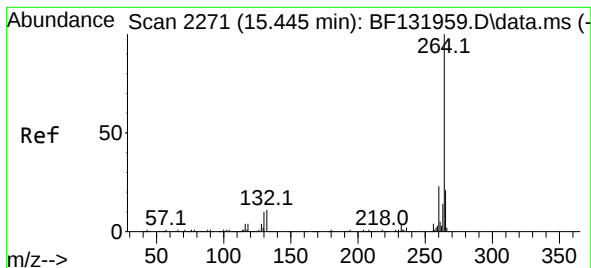
Ion Ratio Lower Upper

228 100

226 29.8 24.0 36.0

229 21.1 16.2 24.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.439 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF132030.D

Acq: 11 Jan 2023 19:01

Instrument :

BNA_F

ClientSampleId :

B-3-(10-12)

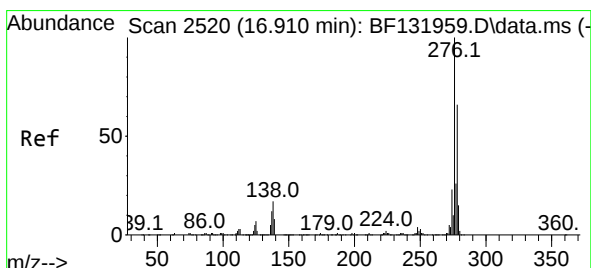
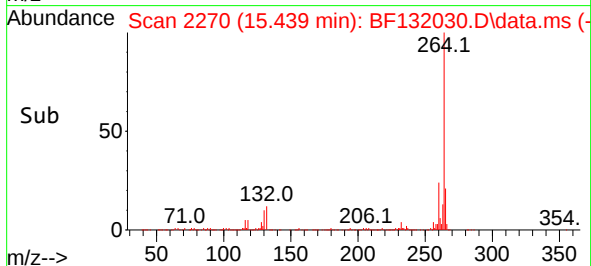
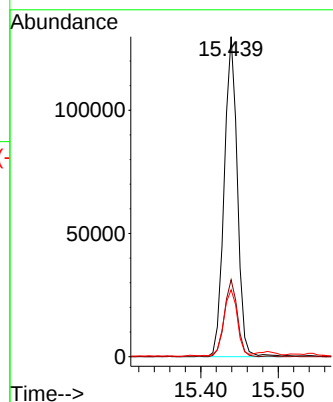
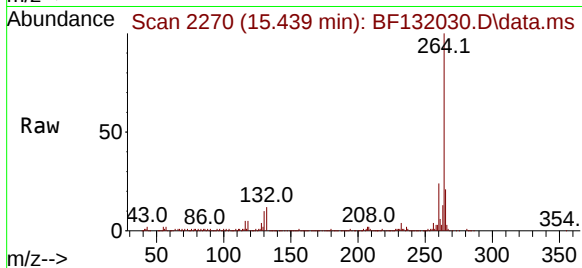
Tgt Ion:264 Resp: 153703

Ion Ratio Lower Upper

264 100

260 24.1 18.3 27.5

265 20.9 16.9 25.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.848 ng

RT: 16.892 min Scan# 2517

Delta R.T. -0.018 min

Lab File: BF132030.D

Acq: 11 Jan 2023 19:01

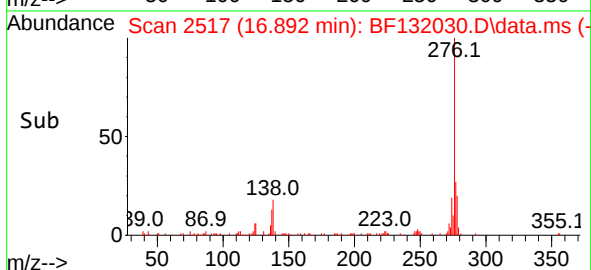
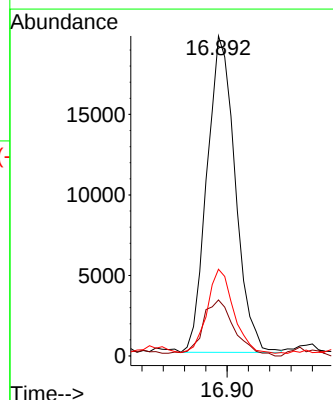
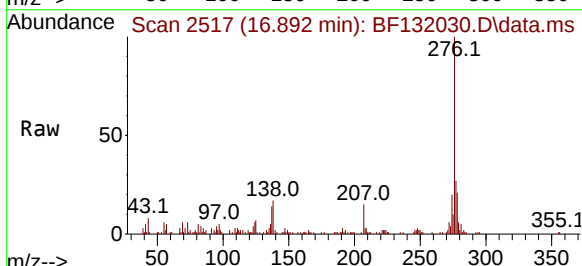
Tgt Ion:276 Resp: 36270

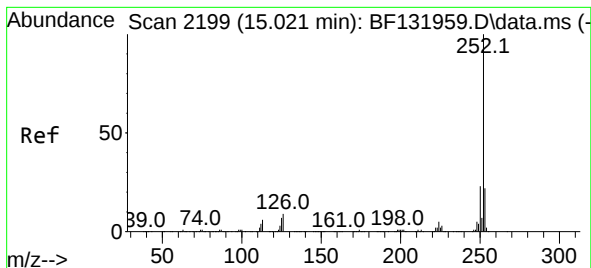
Ion Ratio Lower Upper

276 100

138 20.1 14.2 21.2

277 24.8 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 9.881 ng

RT: 15.010 min Scan# 2199

Delta R.T. -0.012 min

Lab File: BF132030.D

Acq: 11 Jan 2023 19:01

Instrument :

BNA_F

ClientSampleId :

B-3-(10-12)

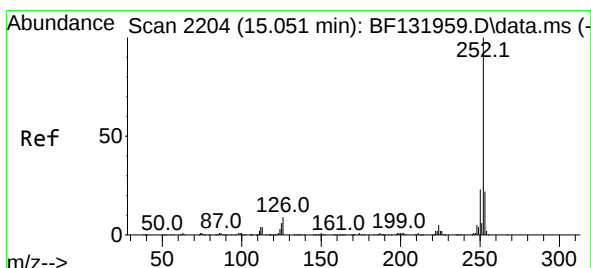
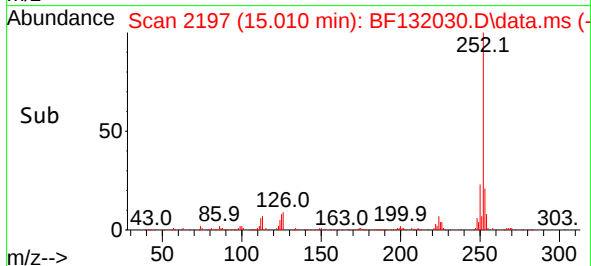
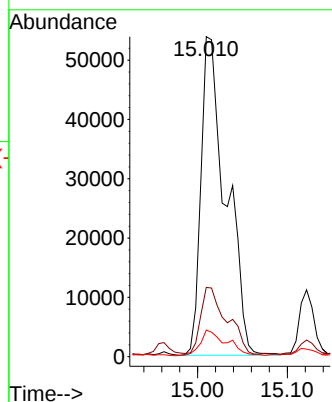
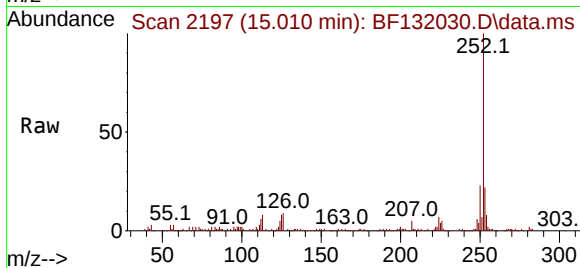
Tgt Ion:252 Resp: 104166

Ion Ratio Lower Upper

252 100

253 21.7 18.0 27.0

125 8.3 5.8 8.6



#89

Benzo(k)fluoranthene

Concen: 9.901 ng

RT: 15.010 min Scan# 2197

Delta R.T. -0.041 min

Lab File: BF132030.D

Acq: 11 Jan 2023 19:01

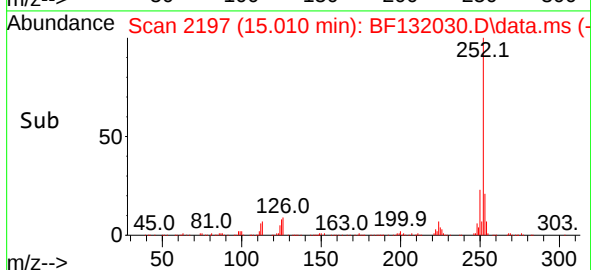
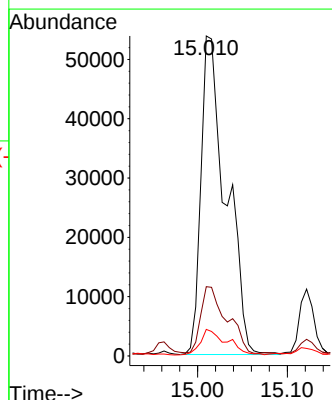
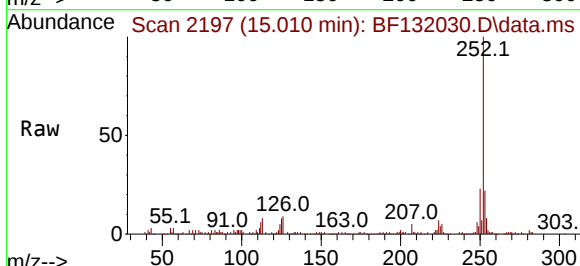
Tgt Ion:252 Resp: 104166

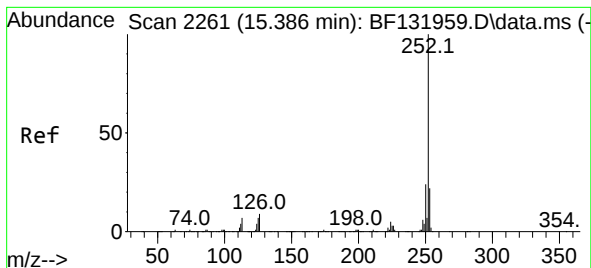
Ion Ratio Lower Upper

252 100

253 21.7 17.8 26.6

125 8.3 5.2 7.8#





#90

Benzo(a)pyrene

Concen: 6.591 ng

RT: 15.374 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF132030.D

Acq: 11 Jan 2023 19:01

Instrument :

BNA_F

ClientSampleId :

B-3-(10-12)

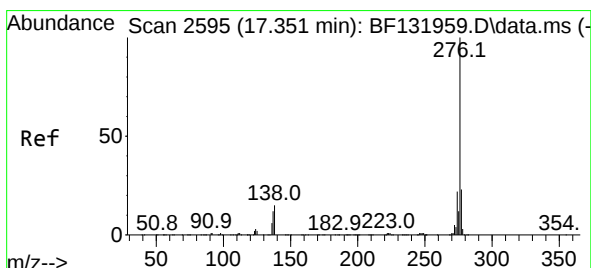
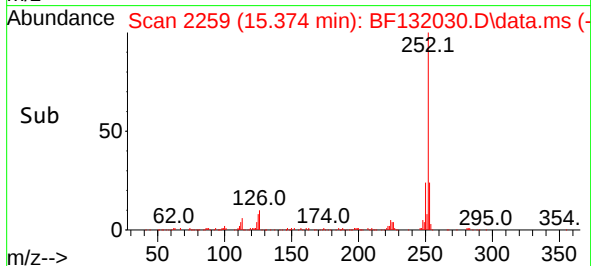
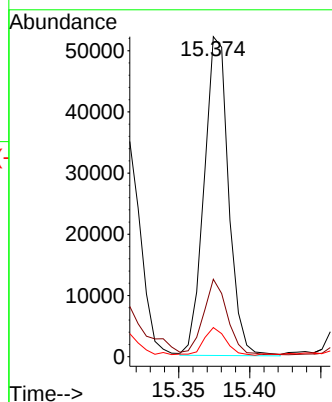
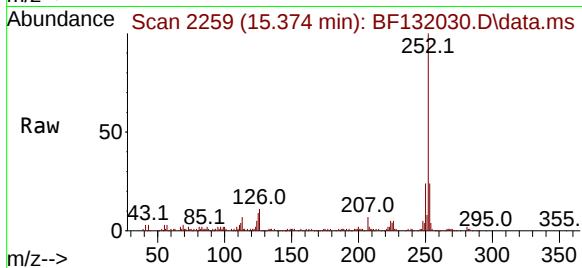
Tgt Ion:252 Resp: 62602

Ion Ratio Lower Upper

252 100

253 24.2 17.4 26.0

125 9.1 5.7 8.5#



#92

Benzo(g,h,i)perylene

Concen: 7.387 ng

RT: 17.333 min Scan# 2592

Delta R.T. -0.018 min

Lab File: BF132030.D

Acq: 11 Jan 2023 19:01

Tgt Ion:276 Resp: 35270

Ion Ratio Lower Upper

276 100

277 22.1 18.2 27.2

138 14.8 11.7 17.5

