

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110322\
 Data File : BF130960.D
 Acq On : 03 Nov 2022 13:27
 Operator : CG\JU
 Sample : N5395-05RE
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-4-103122

Quant Time: Nov 03 14:44:00 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 03 03:37:09 2022
 Response via : Initial Calibration

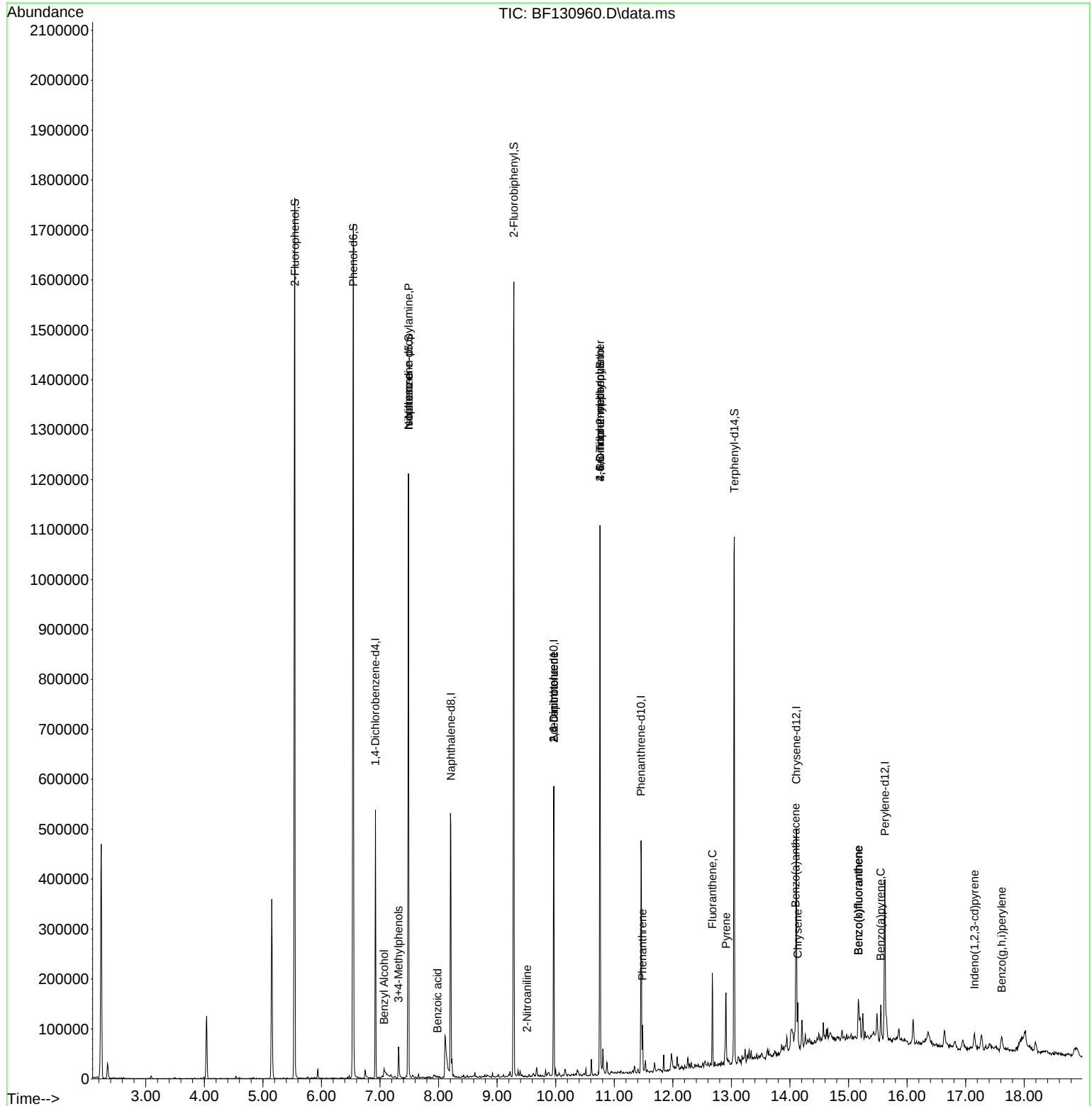
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.922	152	64026	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	230309	20.000	ng	# 0.00
39) Acenaphthene-d10	9.969	164	109853	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	164498	20.000	ng	-0.01
76) Chrysene-d12	14.110	240	133502	20.000	ng	-0.01
86) Perylene-d12	15.621	264	147040	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.545	112	433900	117.486	ng	0.00
7) Phenol-d6	6.545	99	527739	109.961	ng	0.00
23) Nitrobenzene-d5	7.487	82	353836	92.640	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	109971	118.921	ng	-0.01
45) 2-Fluorobiphenyl	9.286	172	482915	66.463	ng	0.00
79) Terphenyl-d14	13.051	244	355767	48.833	ng	0.00
Target Compounds						
						Qvalue
15) Benzyl Alcohol	7.069	79	11405	2.795	ng	92
19) n-Nitroso-di-n-propyla...	7.487	70	50883	15.582	ng	# 76
20) 3+4-Methylphenols	7.316	107	16401	3.587	ng	83
25) Isophorone	7.487	82	353828	44.923	ng	# 66
32) Benzoic acid	7.981	122	166	7.740	ng	# 20
48) 2-Nitroaniline	9.510	65	59	4.174	ng	# 12
51) 2,6-Dinitrotoluene	9.969	165	14480	12.297	ng	# 14
57) 2,4-Dinitrotoluene	9.969	165	14480	11.121	ng	# 21
65) 4,6-Dinitro-2-methylph...	10.757	198	262	8.246	ng	# 1
67) 4-Bromophenyl-phenylether	10.757	248	7072	4.275	ng	# 1
71) Phenanthrene	11.480	178	33987	4.003	ng	98
75) Fluoranthene	12.674	202	68632	7.608	ng	99
78) Pyrene	12.910	202	61034	5.419	ng	98
81) Benzo(a)anthracene	14.098	228	36059	4.074	ng	97
83) Chrysene	14.133	228	31174	3.651	ng	97
87) Indeno(1,2,3-cd)pyrene	17.151	276	23778	2.435	ng	# 93
88) Benzo(b)fluoranthene	15.168	252	58781	6.184	ng	# 97
89) Benzo(k)fluoranthene	15.168	252	58781	6.346	ng	98
90) Benzo(a)pyrene	15.551	252	31932	4.179	ng	# 93
92) Benzo(g,h,i)perylene	17.615	276	21907	2.698	ng	99

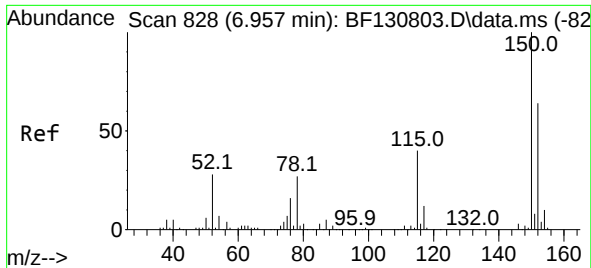
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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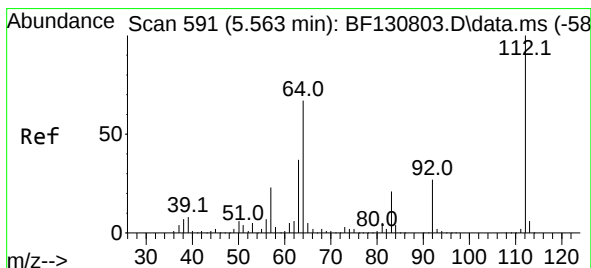
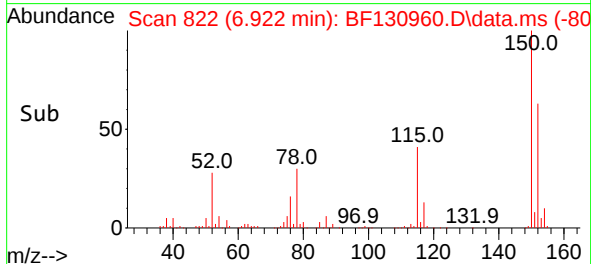
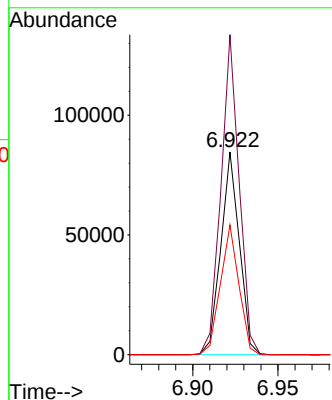
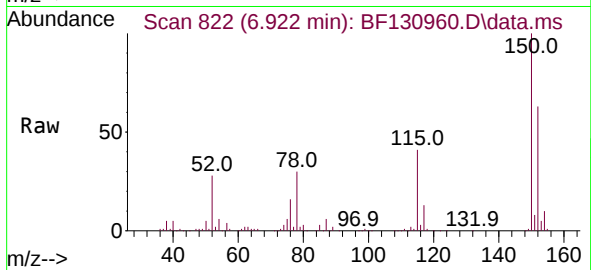




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.922 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF130960.D
Acq: 03 Nov 2022 13:27

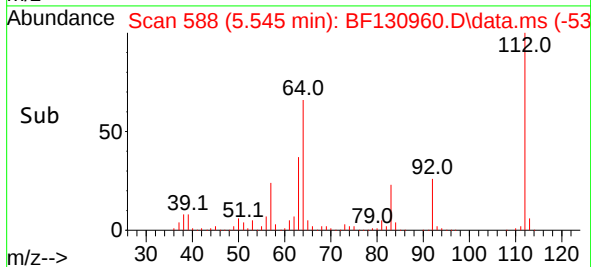
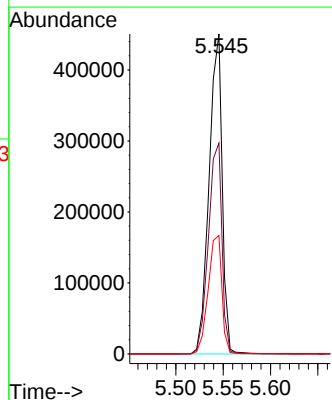
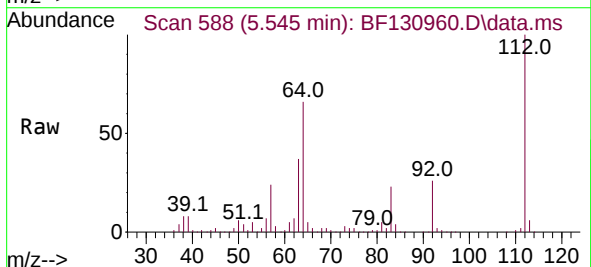
Instrument :
BNA_F
ClientSampleId :
S-4-103122

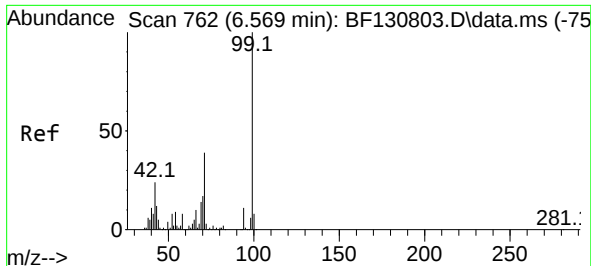
Tgt Ion:152 Resp: 64026
Ion Ratio Lower Upper
152 100
150 157.9 124.1 186.1
115 64.1 50.1 75.1



#5
2-Fluorophenol
Concen: 117.486 ng
RT: 5.545 min Scan# 588
Delta R.T. 0.006 min
Lab File: BF130960.D
Acq: 03 Nov 2022 13:27

Tgt Ion:112 Resp: 433900
Ion Ratio Lower Upper
112 100
64 65.9 53.9 80.9
63 37.0 29.4 44.2

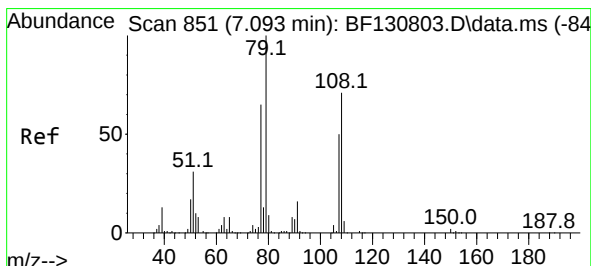
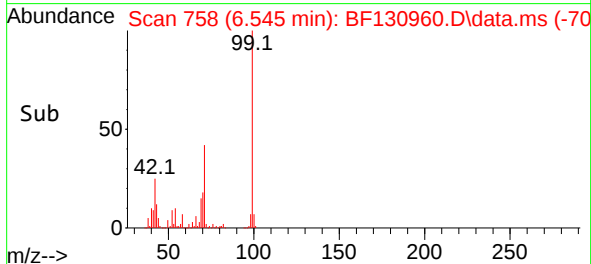
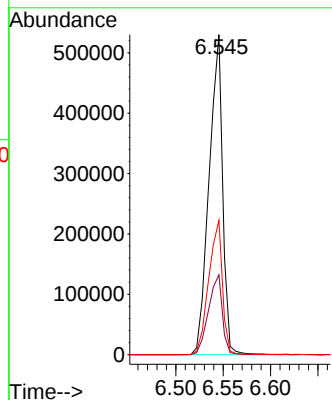
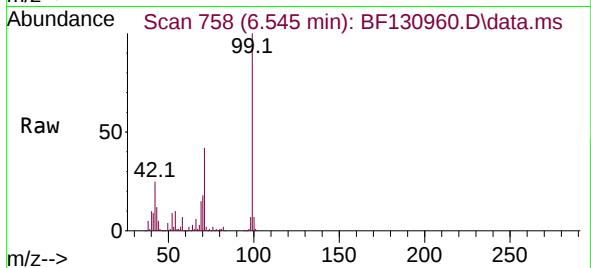




#7
Phenol-d6
Concen: 109.961 ng
RT: 6.545 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF130960.D
Acq: 03 Nov 2022 13:27

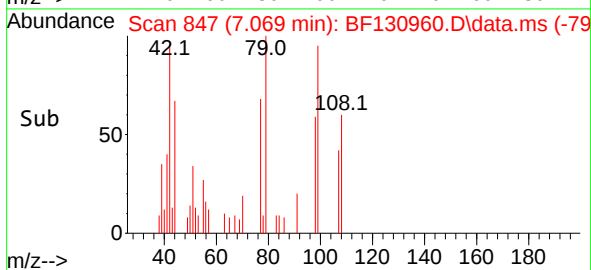
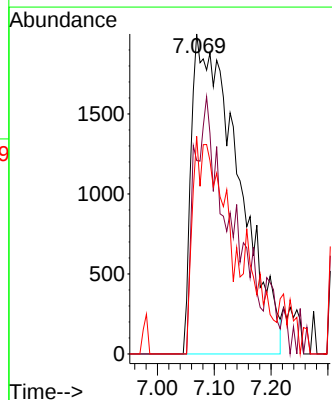
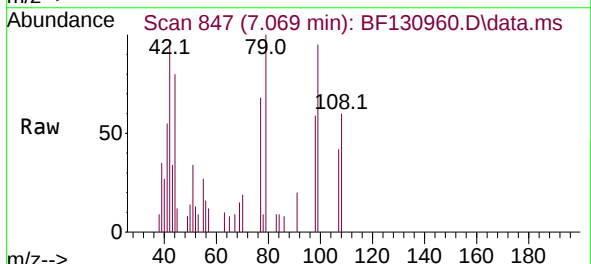
Instrument :
BNA_F
ClientSampleId :
S-4-103122

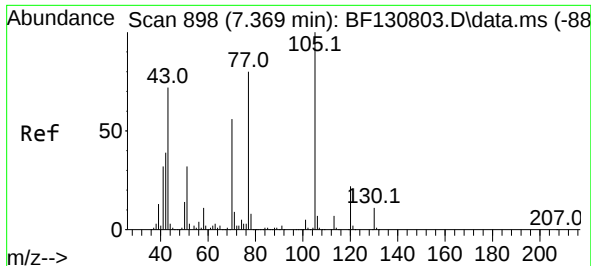
Tgt Ion: 99 Resp: 527739
Ion Ratio Lower Upper
99 100
42 25.0 18.8 28.2
71 42.0 31.4 47.0



#15
Benzyl Alcohol
Concen: 2.795 ng
RT: 7.069 min Scan# 847
Delta R.T. -0.000 min
Lab File: BF130960.D
Acq: 03 Nov 2022 13:27

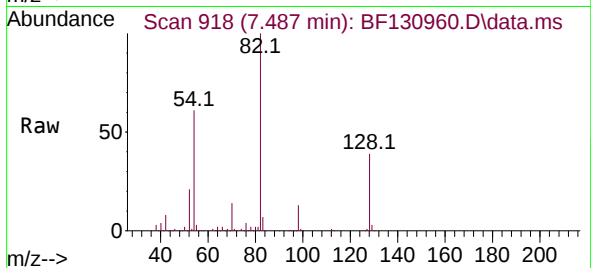
Tgt Ion: 79 Resp: 11405
Ion Ratio Lower Upper
79 100
108 60.4 56.4 84.6
77 68.0 51.8 77.8



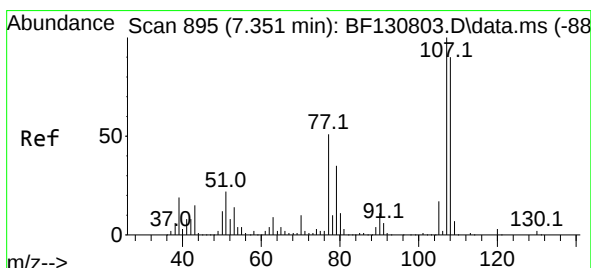
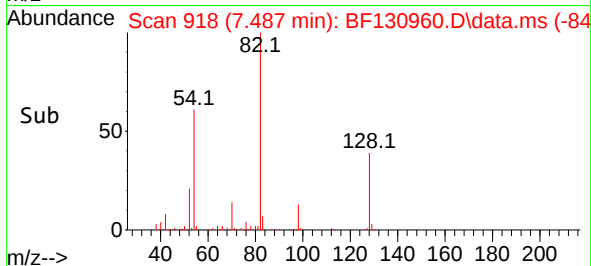
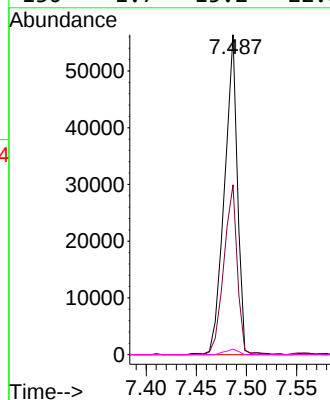


#19
n-Nitroso-di-n-propylamine
Concen: 15.582 ng
RT: 7.487 min Scan# 918
Delta R.T. 0.147 min
Lab File: BF130960.D
Acq: 03 Nov 2022 13:27

Instrument :
BNA_F
ClientSampleId :
S-4-103122

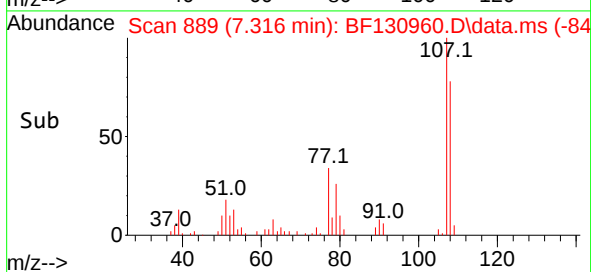
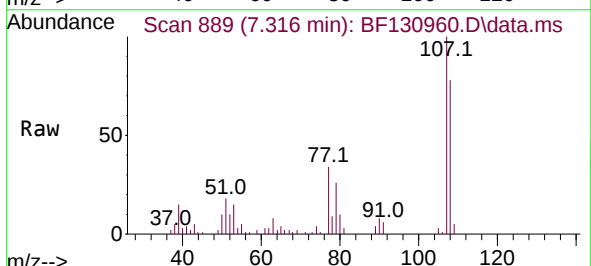
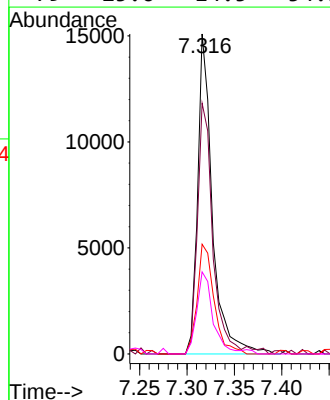


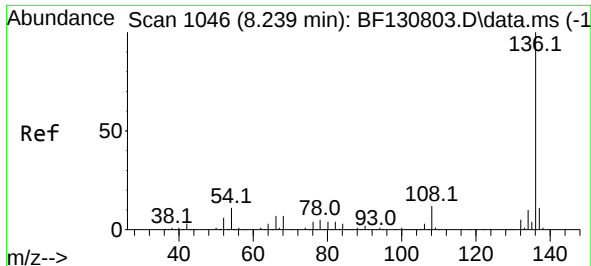
Tgt Ion: 70 Resp: 50883
Ion Ratio Lower Upper
70 100
42 53.1 56.1 84.1#
101 0.0 7.3 10.9#
130 1.7 15.2 22.8#



#20
3+4-Methylphenols
Concen: 3.587 ng
RT: 7.316 min Scan# 889
Delta R.T. -0.012 min
Lab File: BF130960.D
Acq: 03 Nov 2022 13:27

Tgt Ion: 107 Resp: 16401
Ion Ratio Lower Upper
107 100
108 78.3 70.4 110.4
77 34.3 31.1 71.1
79 25.6 14.5 54.5



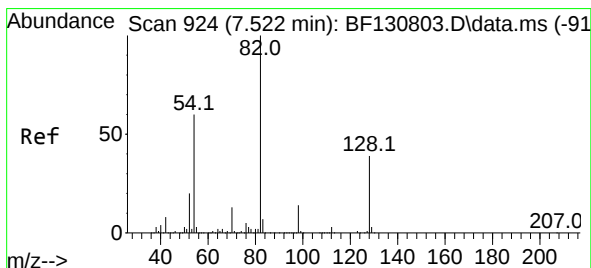
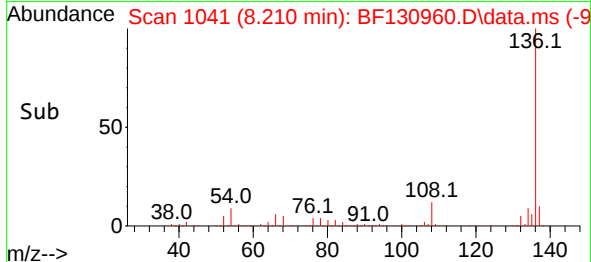
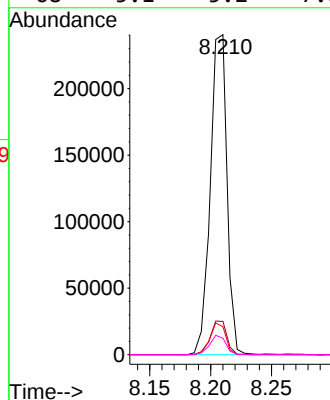
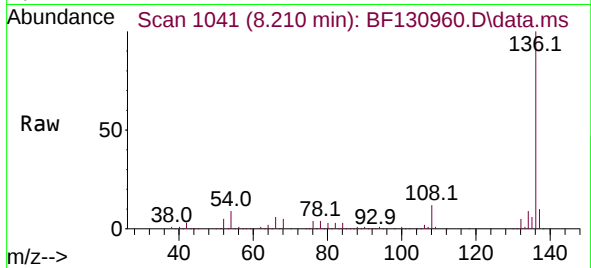


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1041
Delta R.T. -0.006 min
Lab File: BF130960.D
Acq: 03 Nov 2022 13:27

Instrument :
BNA_F
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S-4-103122

Tgt Ion:136 Resp: 230309

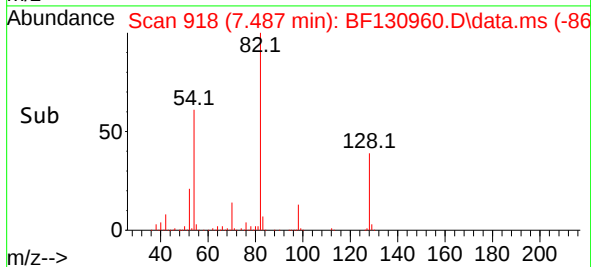
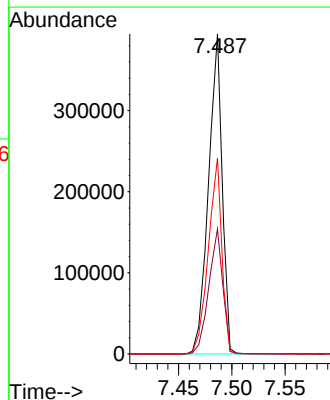
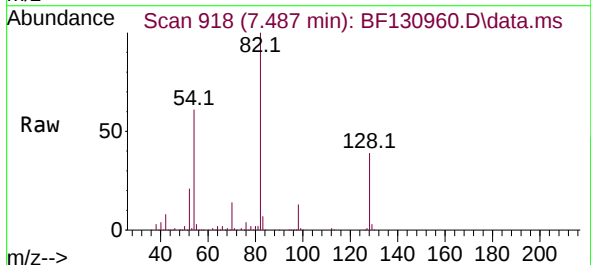
Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.2	13.8
54	8.7	8.8	13.2#
68	5.1	5.2	7.8#

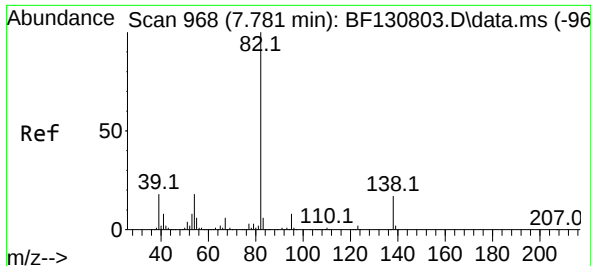


#23
Nitrobenzene-d5
Concen: 92.640 ng
RT: 7.487 min Scan# 918
Delta R.T. -0.006 min
Lab File: BF130960.D
Acq: 03 Nov 2022 13:27

Tgt Ion: 82 Resp: 353836

Ion	Ratio	Lower	Upper
82	100		
128	39.1	31.2	46.8
54	61.2	48.0	72.0

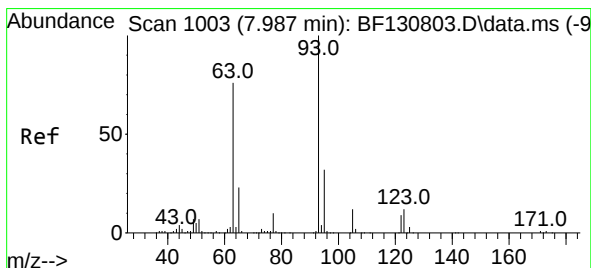
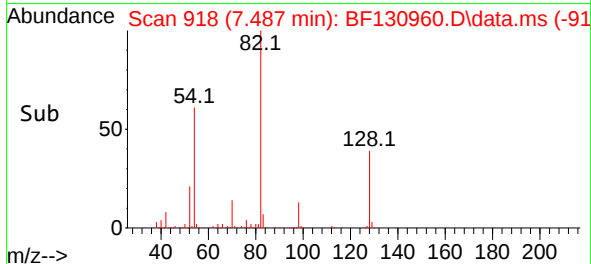
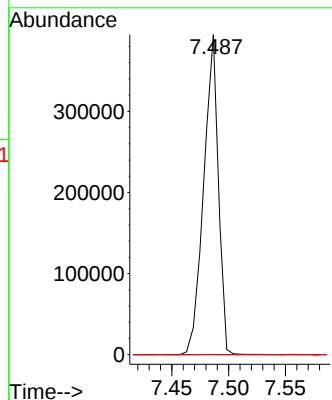
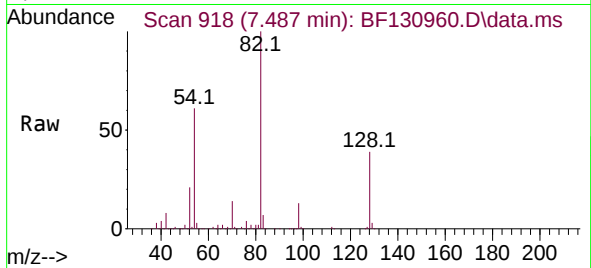




#25
Isophorone
Concen: 44.923 ng
RT: 7.487 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF130960.D
Acq: 03 Nov 2022 13:27

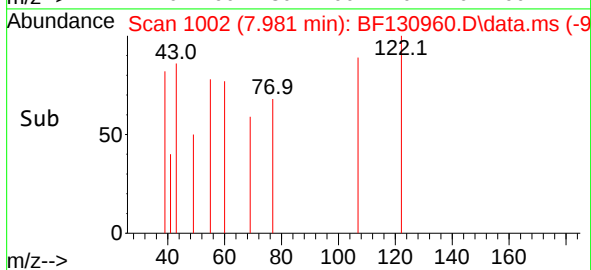
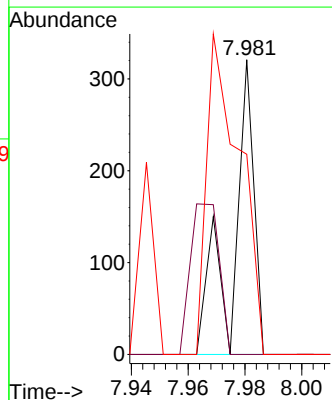
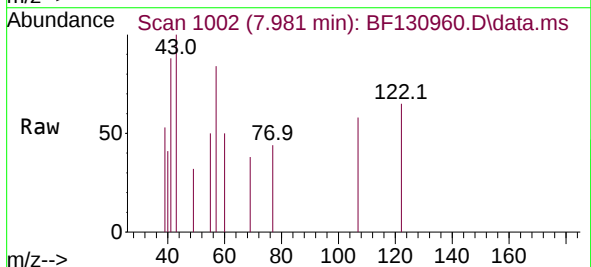
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ClientSampleId :
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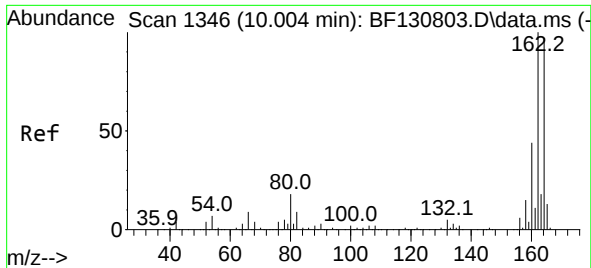
Tgt Ion: 82 Resp: 353828
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.4#
138 0.0 13.8 20.6#



#32
Benzoic acid
Concen: 7.740 ng
RT: 7.981 min Scan# 1002
Delta R.T. 0.012 min
Lab File: BF130960.D
Acq: 03 Nov 2022 13:27

Tgt Ion: 122 Resp: 166
Ion Ratio Lower Upper
122 100
105 0.0 114.5 154.5#
77 67.9 89.8 129.8#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.969 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF130960.D

Acq: 03 Nov 2022 13:27

Instrument :

BNA_F

ClientSampleId :

S-4-103122

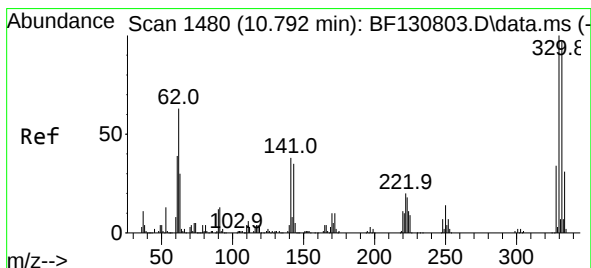
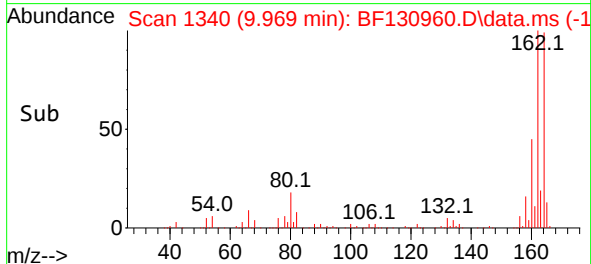
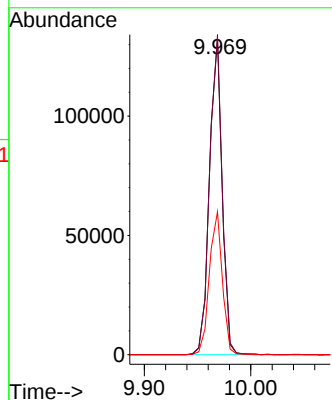
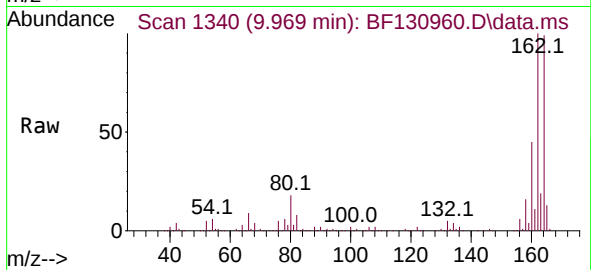
Tgt Ion:164 Resp: 109853

Ion Ratio Lower Upper

164 100

162 101.4 82.2 123.2

160 45.3 36.6 54.8



#42

2,4,6-Tribromophenol

Concen: 118.921 ng

RT: 10.757 min Scan# 1474

Delta R.T. -0.012 min

Lab File: BF130960.D

Acq: 03 Nov 2022 13:27

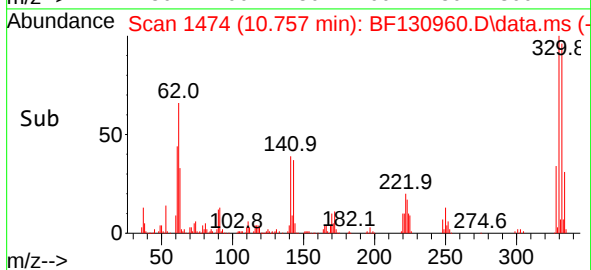
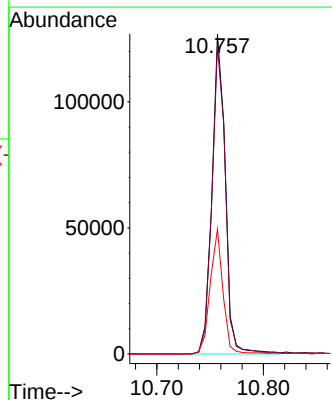
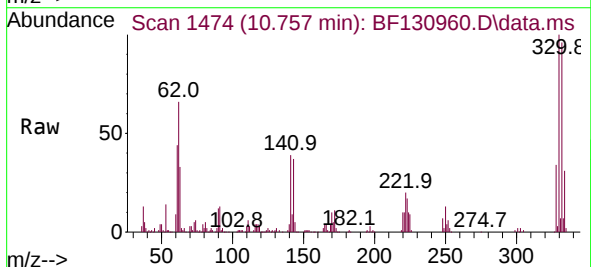
Tgt Ion:330 Resp: 109971

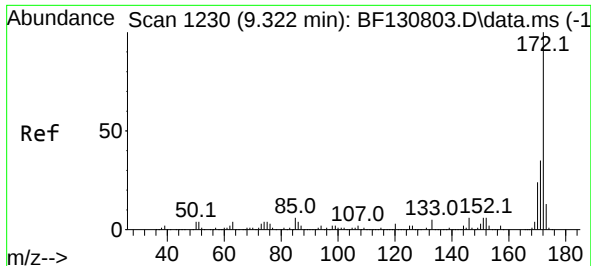
Ion Ratio Lower Upper

330 100

332 97.8 76.2 114.4

141 38.0 31.4 47.0





#45

2-Fluorobiphenyl

Concen: 66.463 ng

RT: 9.286 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF130960.D

Acq: 03 Nov 2022 13:27

Instrument :

BNA_F

ClientSampleId :

S-4-103122

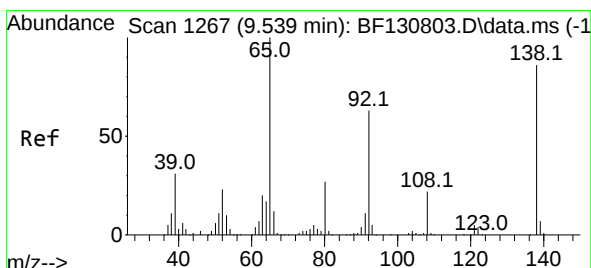
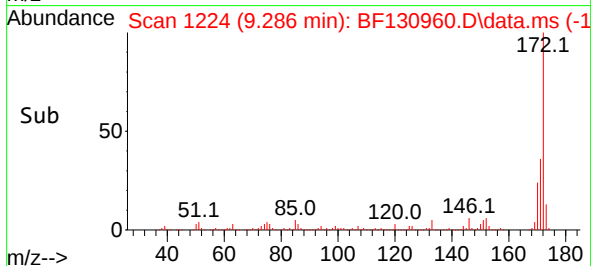
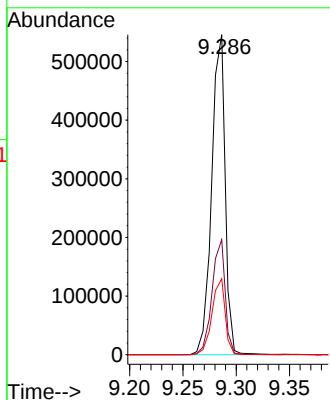
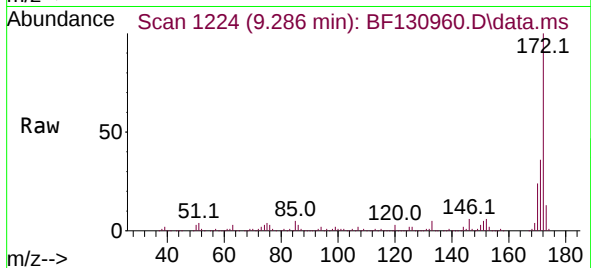
Tgt Ion:172 Resp: 482915

Ion Ratio Lower Upper

172 100

171 35.9 28.1 42.1

170 23.8 19.0 28.4



#48

2-Nitroaniline

Concen: 4.174 ng

RT: 9.510 min Scan# 1262

Delta R.T. -0.006 min

Lab File: BF130960.D

Acq: 03 Nov 2022 13:27

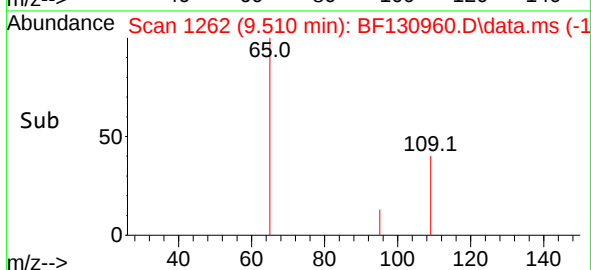
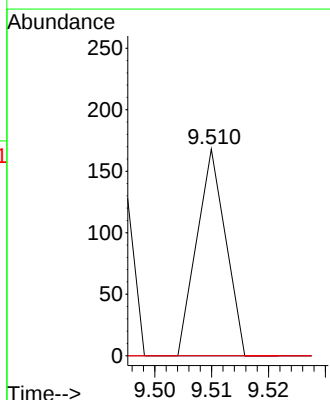
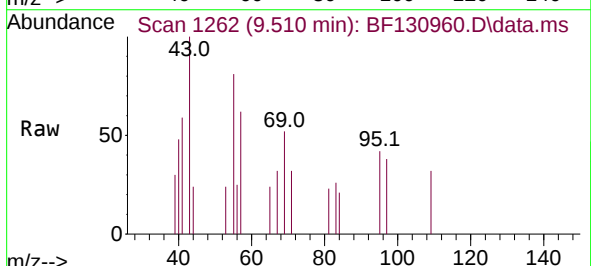
Tgt Ion: 65 Resp: 59

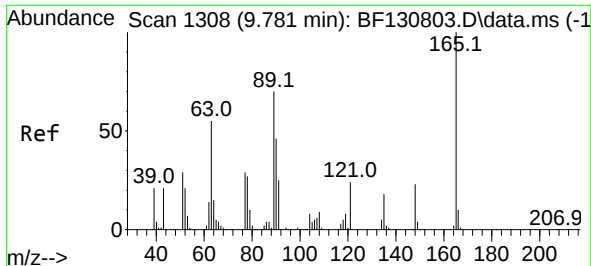
Ion Ratio Lower Upper

65 100

92 0.0 50.1 75.1#

138 0.0 69.2 103.8#

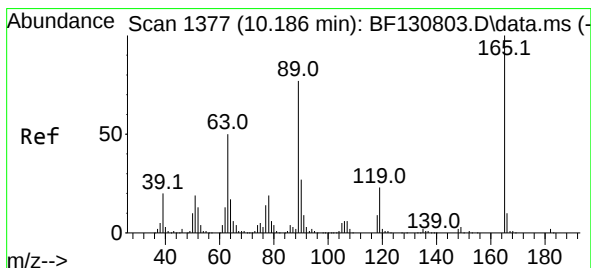
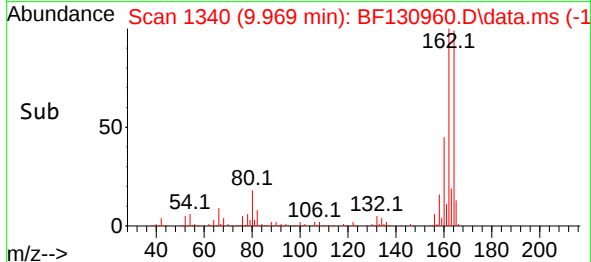
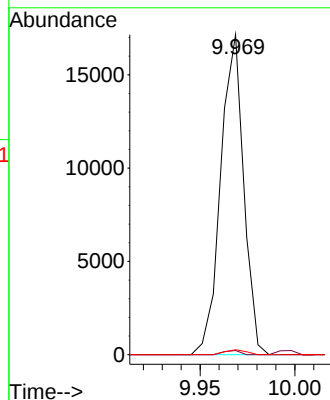
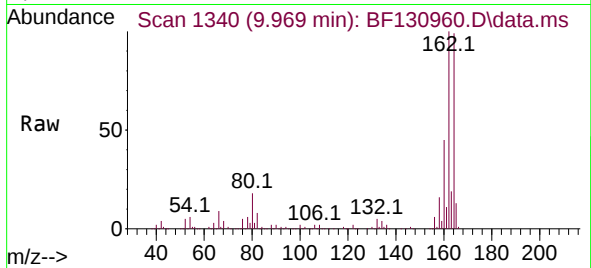




#51
2,6-Dinitrotoluene
Concen: 12.297 ng
RT: 9.969 min Scan# 1340
Delta R.T. 0.212 min
Lab File: BF130960.D
Acq: 03 Nov 2022 13:27

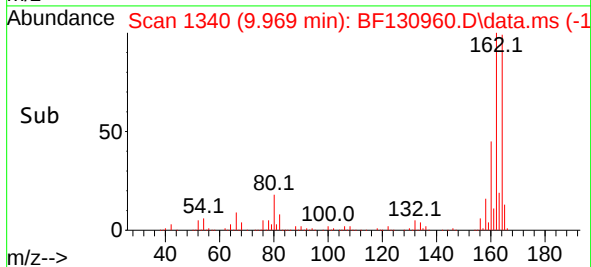
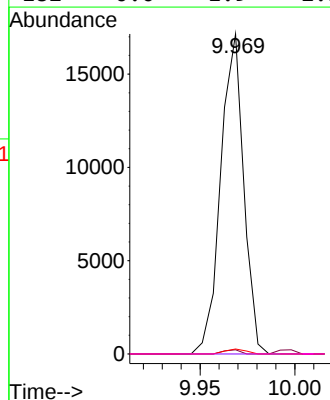
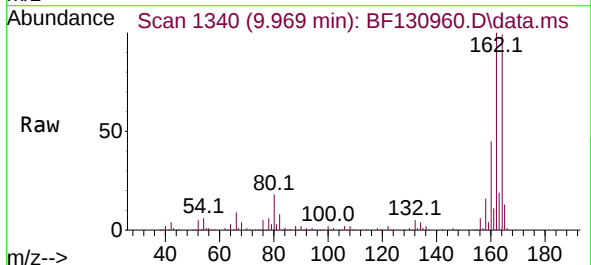
Instrument :
BNA_F
ClientSampleId :
S-4-103122

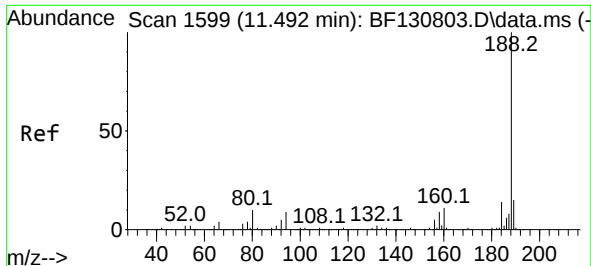
Tgt Ion:165 Resp: 14480
Ion Ratio Lower Upper
165 100
63 1.3 61.8 92.8#
89 1.6 56.2 84.4#



#57
2,4-Dinitrotoluene
Concen: 11.121 ng
RT: 9.969 min Scan# 1340
Delta R.T. -0.194 min
Lab File: BF130960.D
Acq: 03 Nov 2022 13:27

Tgt Ion:165 Resp: 14480
Ion Ratio Lower Upper
165 100
63 1.3 39.8 59.6#
89 1.6 61.9 92.9#
182 0.0 1.9 2.9#

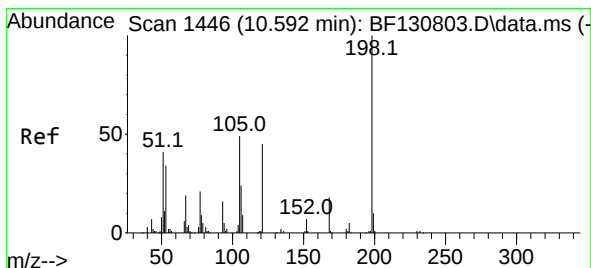
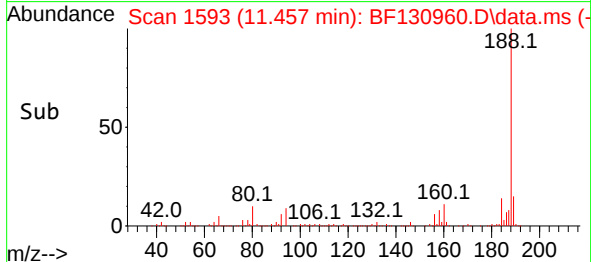
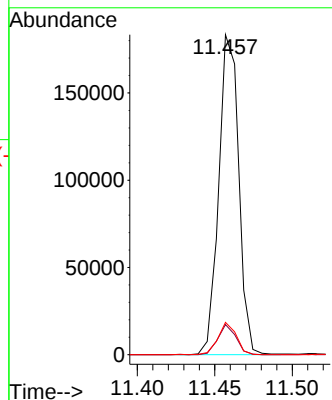
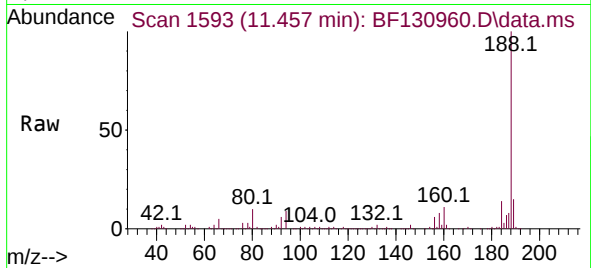




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF130960.D
Acq: 03 Nov 2022 13:27

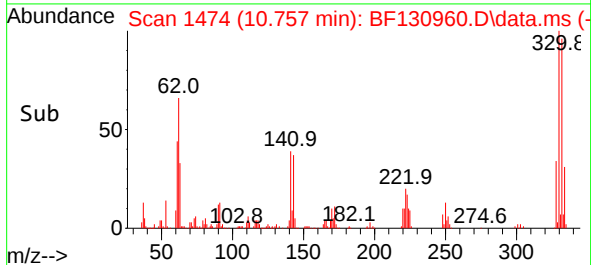
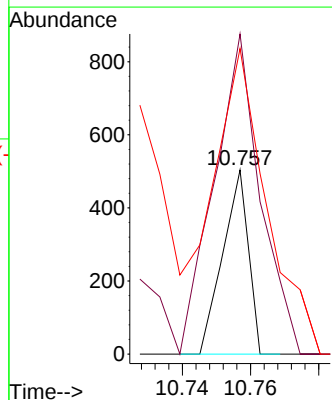
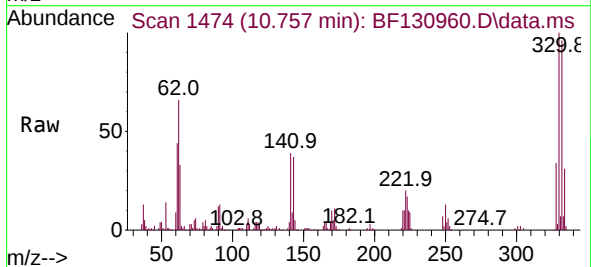
Instrument :
BNA_F
ClientSampleId :
S-4-103122

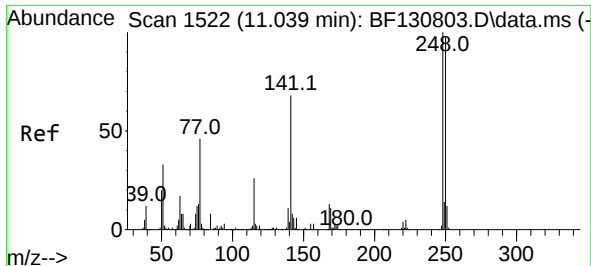
Tgt Ion:188 Resp: 164498
Ion Ratio Lower Upper
188 100
94 9.4 7.4 11.2
80 10.1 8.0 12.0



#65
4,6-Dinitro-2-methylphenol
Concen: 8.246 ng
RT: 10.757 min Scan# 1474
Delta R.T. 0.188 min
Lab File: BF130960.D
Acq: 03 Nov 2022 13:27

Tgt Ion:198 Resp: 262
Ion Ratio Lower Upper
198 100
51 173.8 39.0 79.0#
105 165.9 30.6 70.6#

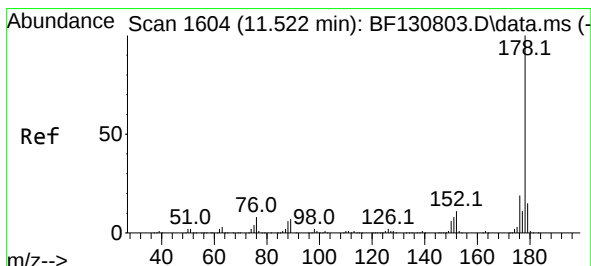
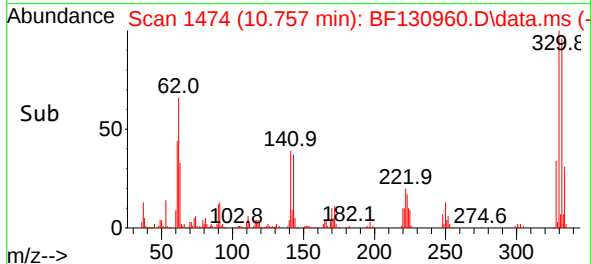
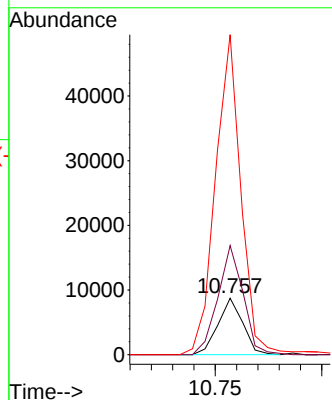
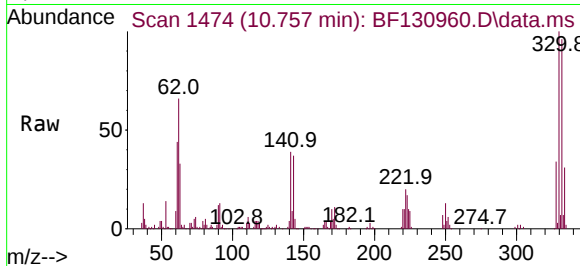




#67
4-Bromophenyl-phenylether
Concen: 4.275 ng
RT: 10.757 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF130960.D
Acq: 03 Nov 2022 13:27

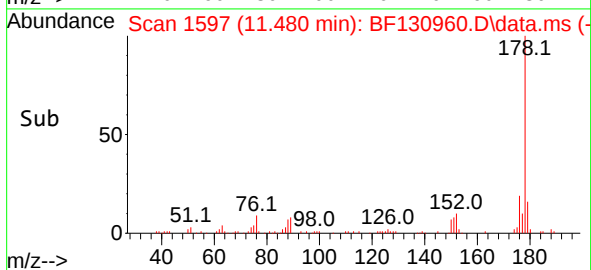
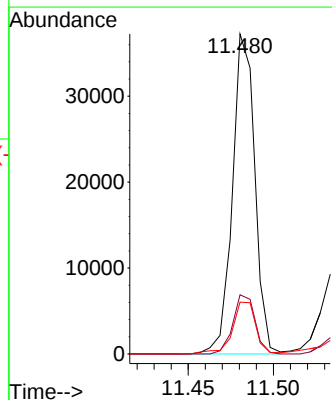
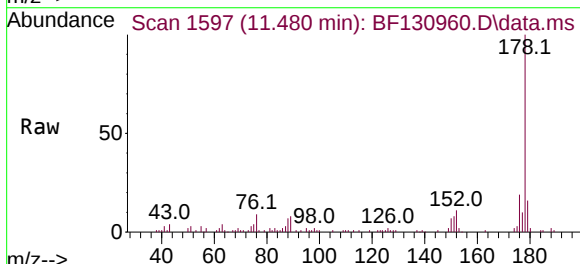
Instrument :
BNA_F
ClientSampleId :
S-4-103122

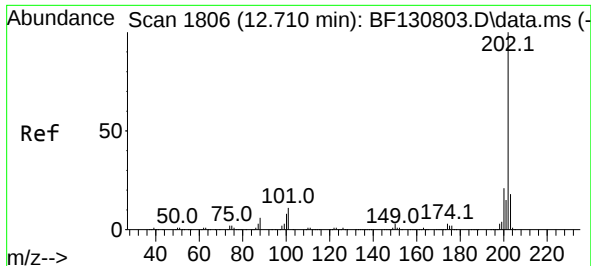
Tgt Ion:248 Resp: 7072
Ion Ratio Lower Upper
248 100
250 193.3 78.6 117.8#
141 566.5 54.2 81.4#



#71
Phenanthrene
Concen: 4.003 ng
RT: 11.480 min Scan# 1597
Delta R.T. -0.012 min
Lab File: BF130960.D
Acq: 03 Nov 2022 13:27

Tgt Ion:178 Resp: 33987
Ion Ratio Lower Upper
178 100
176 18.5 15.5 23.3
179 16.2 12.2 18.2

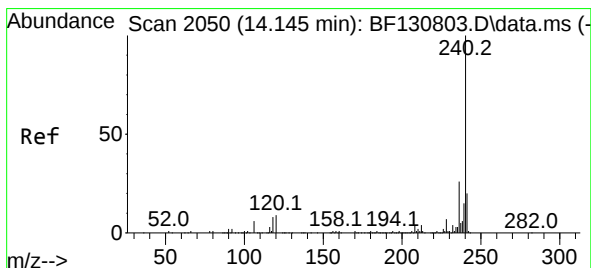
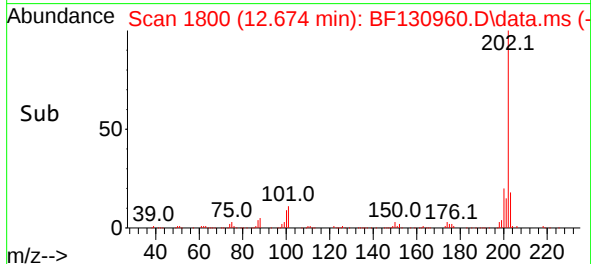
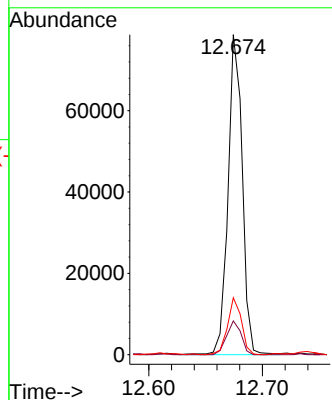
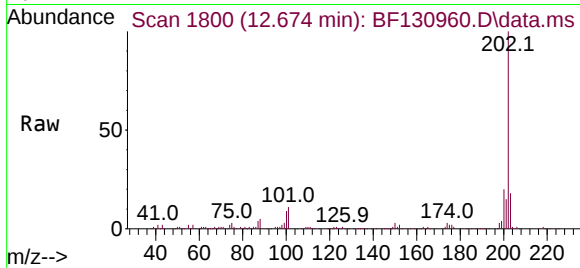




#75
Fluoranthene
Concen: 7.608 ng
RT: 12.674 min Scan# 1806
Delta R.T. -0.012 min
Lab File: BF130960.D
Acq: 03 Nov 2022 13:27

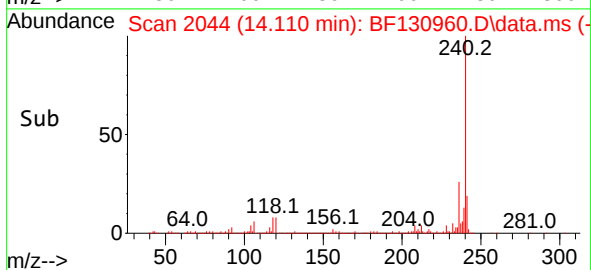
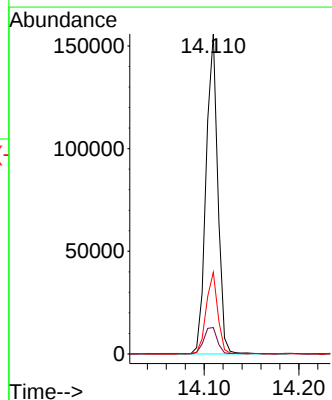
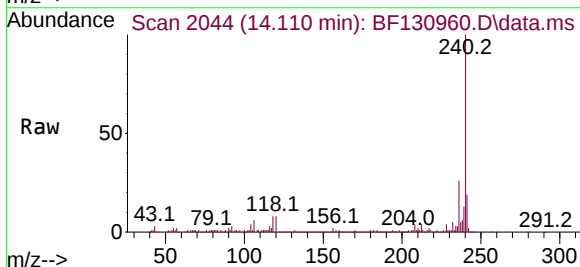
Instrument :
BNA_F
ClientSampleId :
S-4-103122

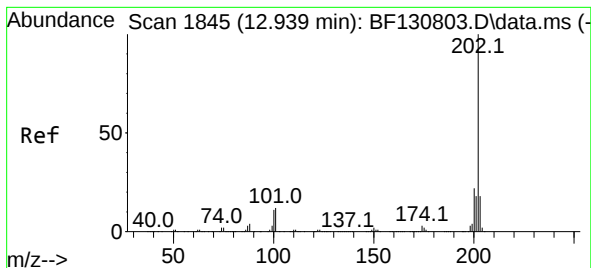
Tgt Ion:202 Resp: 68632
Ion Ratio Lower Upper
202 100
101 10.5 0.0 30.9
203 17.8 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.110 min Scan# 2044
Delta R.T. -0.012 min
Lab File: BF130960.D
Acq: 03 Nov 2022 13:27

Tgt Ion:240 Resp: 133502
Ion Ratio Lower Upper
240 100
120 8.3 7.0 10.4
236 25.6 20.5 30.7





#78

Pyrene

Concen: 5.419 ng

RT: 12.910 min Scan# 1845

Delta R.T. -0.006 min

Lab File: BF130960.D

Acq: 03 Nov 2022 13:27

Instrument :

BNA_F

ClientSampleId :

S-4-103122

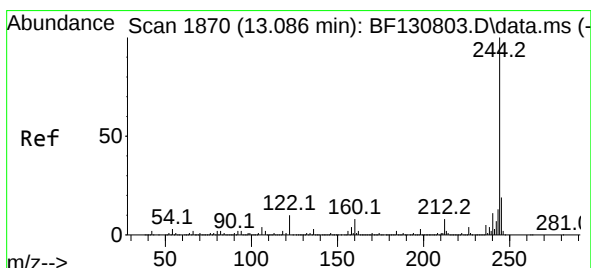
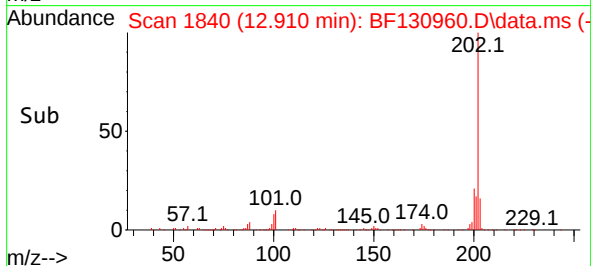
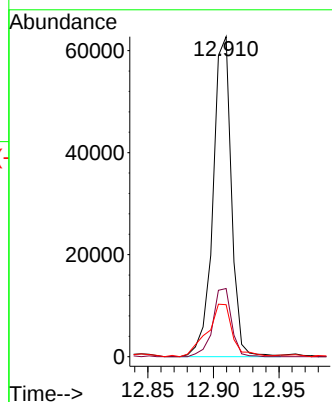
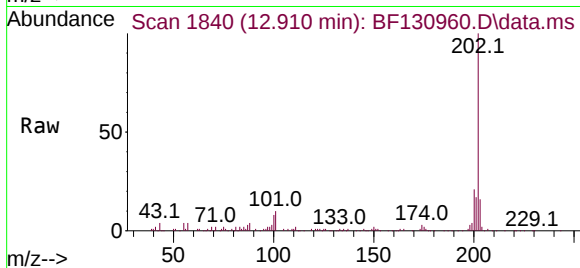
Tgt Ion:202 Resp: 61034

Ion Ratio Lower Upper

202 100

200 21.3 17.2 25.8

203 16.3 14.5 21.7



#79

Terphenyl-d14

Concen: 48.833 ng

RT: 13.051 min Scan# 1864

Delta R.T. -0.006 min

Lab File: BF130960.D

Acq: 03 Nov 2022 13:27

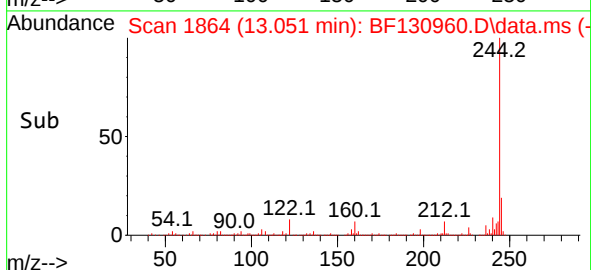
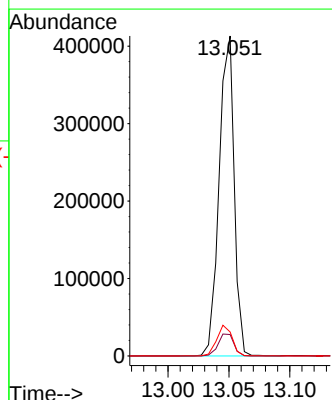
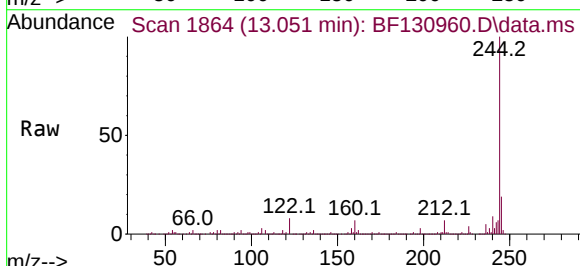
Tgt Ion:244 Resp: 355767

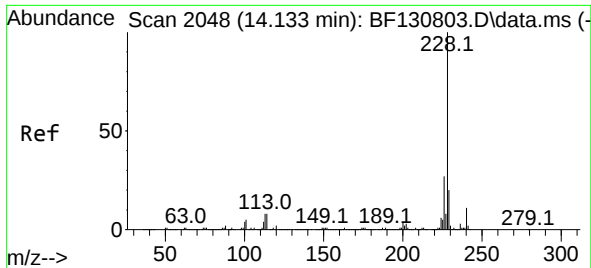
Ion Ratio Lower Upper

244 100

212 6.7 6.2 9.2

122 7.5 7.9 11.9#

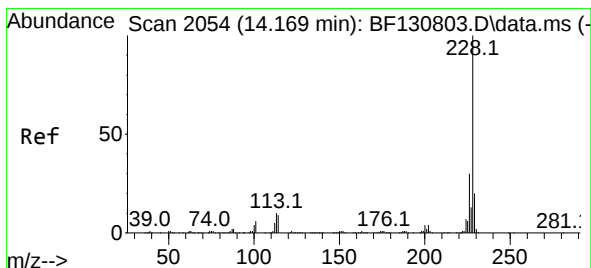
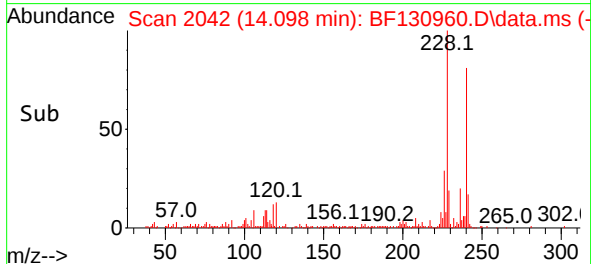
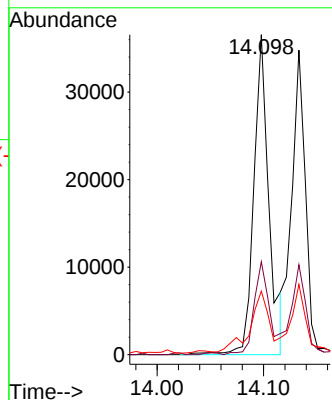
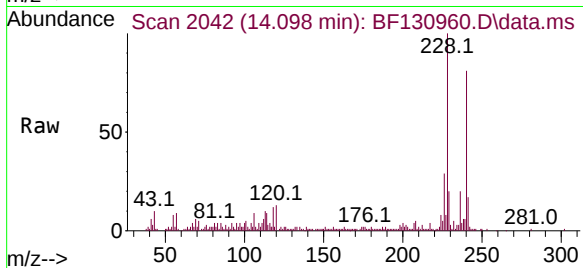




#81
Benzo(a)anthracene
Concen: 4.074 ng
RT: 14.098 min Scan# 2042
Delta R.T. -0.012 min
Lab File: BF130960.D
Acq: 03 Nov 2022 13:27

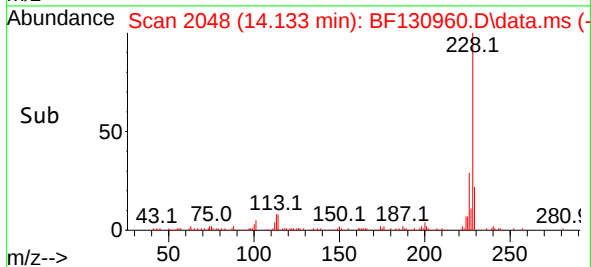
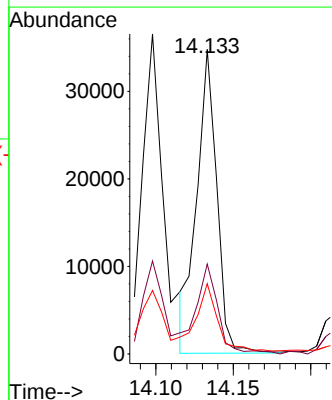
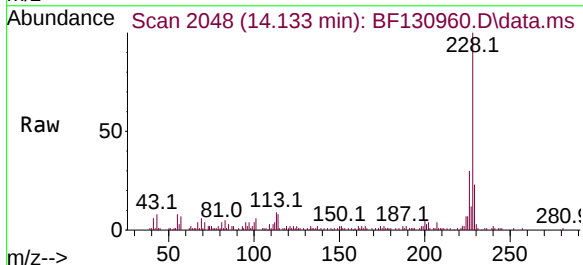
Instrument :
BNA_F
ClientSampleId :
S-4-103122

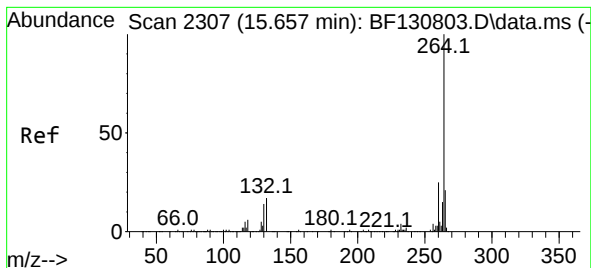
Tgt Ion:228 Resp: 36059
Ion Ratio Lower Upper
228 100
226 29.0 21.4 32.2
229 19.8 15.8 23.6



#83
Chrysene
Concen: 3.651 ng
RT: 14.133 min Scan# 2048
Delta R.T. -0.012 min
Lab File: BF130960.D
Acq: 03 Nov 2022 13:27

Tgt Ion:228 Resp: 31174
Ion Ratio Lower Upper
228 100
226 29.5 23.9 35.9
229 23.1 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.621 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF130960.D

Acq: 03 Nov 2022 13:27

Instrument :

BNA_F

ClientSampleId :

S-4-103122

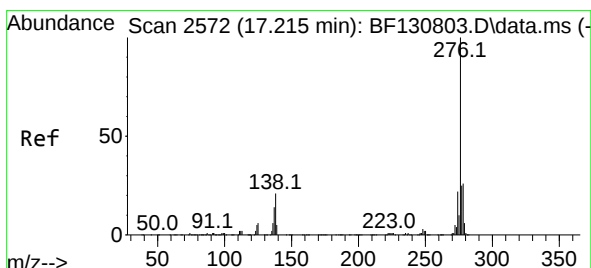
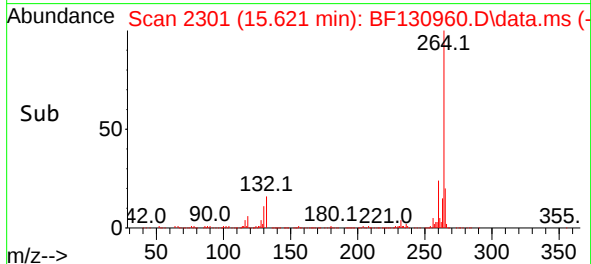
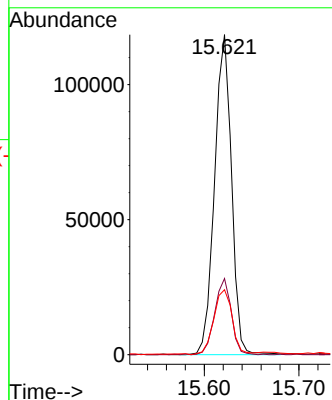
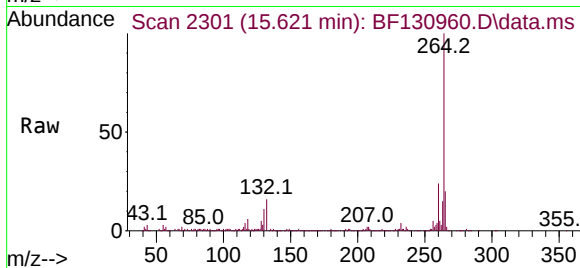
Tgt Ion:264 Resp: 147040

Ion Ratio Lower Upper

264 100

260 23.8 19.9 29.9

265 20.3 17.0 25.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.435 ng

RT: 17.151 min Scan# 2561

Delta R.T. -0.024 min

Lab File: BF130960.D

Acq: 03 Nov 2022 13:27

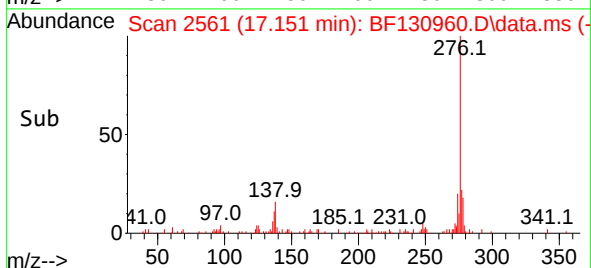
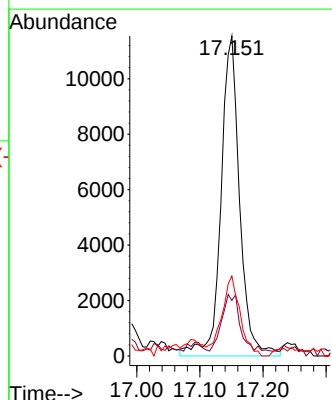
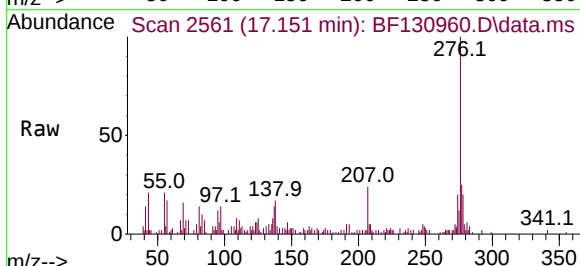
Tgt Ion:276 Resp: 23778

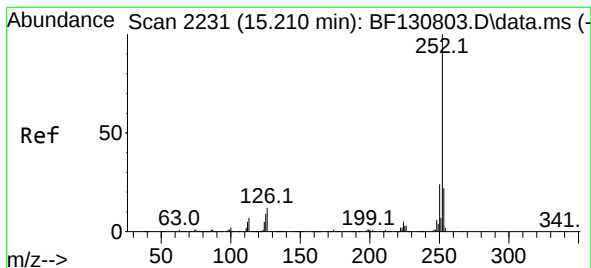
Ion Ratio Lower Upper

276 100

138 17.1 19.1 28.7#

277 24.7 20.1 30.1





#88

Benzo(b)fluoranthene

Concen: 6.184 ng

RT: 15.168 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF130960.D

Acq: 03 Nov 2022 13:27

Instrument :

BNA_F

ClientSampleId :

S-4-103122

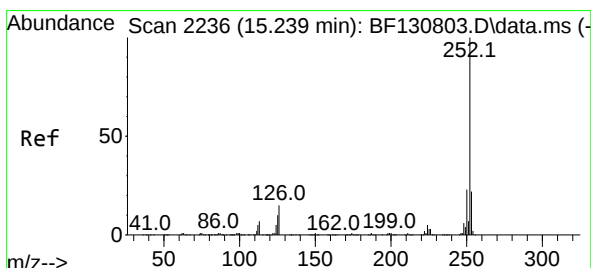
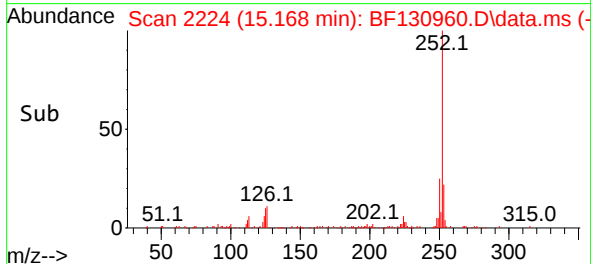
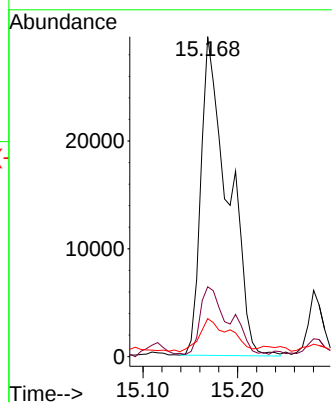
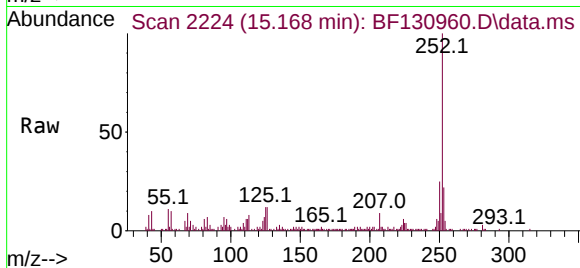
Tgt Ion:252 Resp: 58781

Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

125 11.9 7.0 10.4#



#89

Benzo(k)fluoranthene

Concen: 6.346 ng

RT: 15.168 min Scan# 2224

Delta R.T. -0.047 min

Lab File: BF130960.D

Acq: 03 Nov 2022 13:27

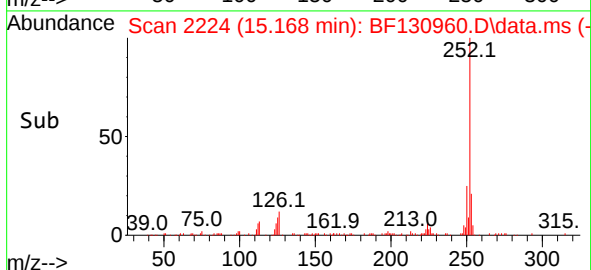
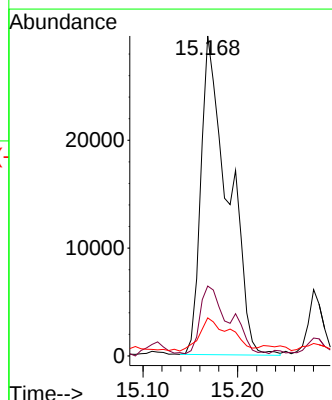
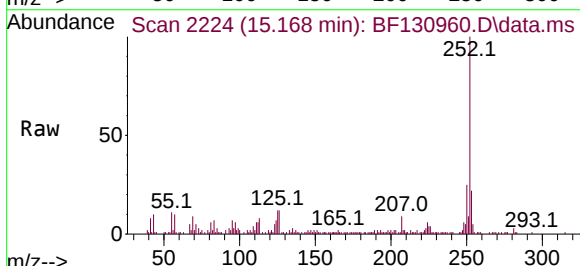
Tgt Ion:252 Resp: 58781

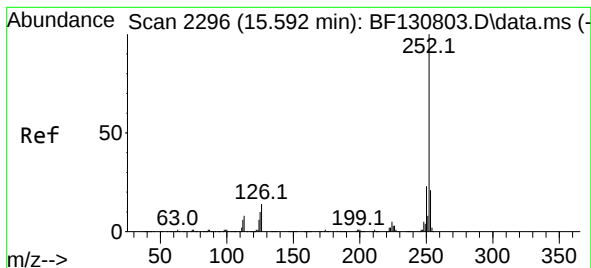
Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

125 11.9 8.0 12.0





#90

Benzo(a)pyrene

Concen: 4.179 ng

RT: 15.551 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF130960.D

Acq: 03 Nov 2022 13:27

Instrument :

BNA_F

ClientSampleId :

S-4-103122

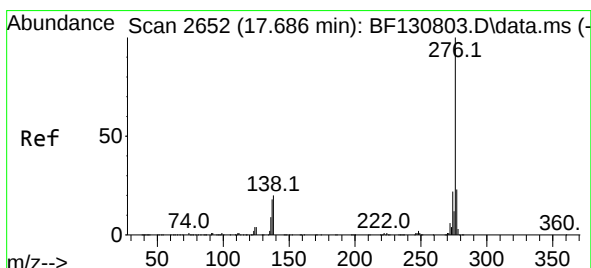
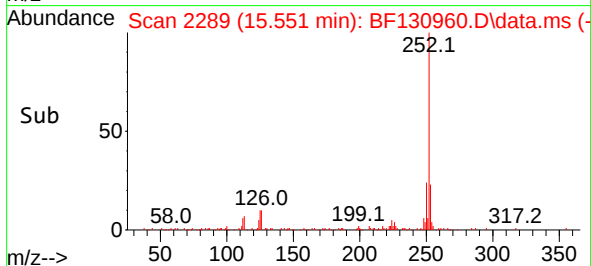
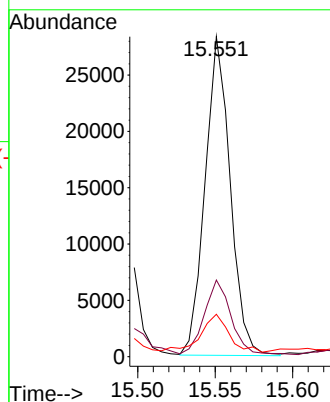
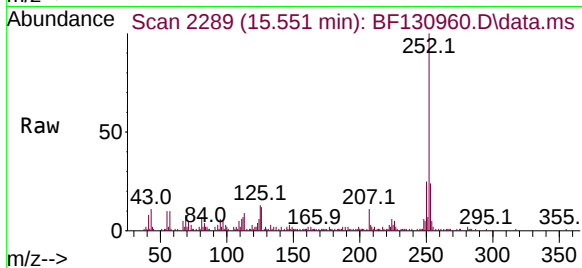
Tgt Ion:252 Resp: 31932

Ion Ratio Lower Upper

252 100

253 24.0 16.8 25.2

125 13.3 8.3 12.5#



#92

Benzo(g,h,i)perylene

Concen: 2.698 ng

RT: 17.615 min Scan# 2640

Delta R.T. -0.035 min

Lab File: BF130960.D

Acq: 03 Nov 2022 13:27

Tgt Ion:276 Resp: 21907

Ion Ratio Lower Upper

276 100

277 23.8 18.8 28.2

138 19.6 16.3 24.5

