

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110322\
 Data File : BF130971.D
 Acq On : 03 Nov 2022 21:28
 Operator : CG\JU
 Sample : N5395-13
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-13-103122

Quant Time: Nov 04 06:23:04 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 04 06:20:24 2022
 Response via : Initial Calibration

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

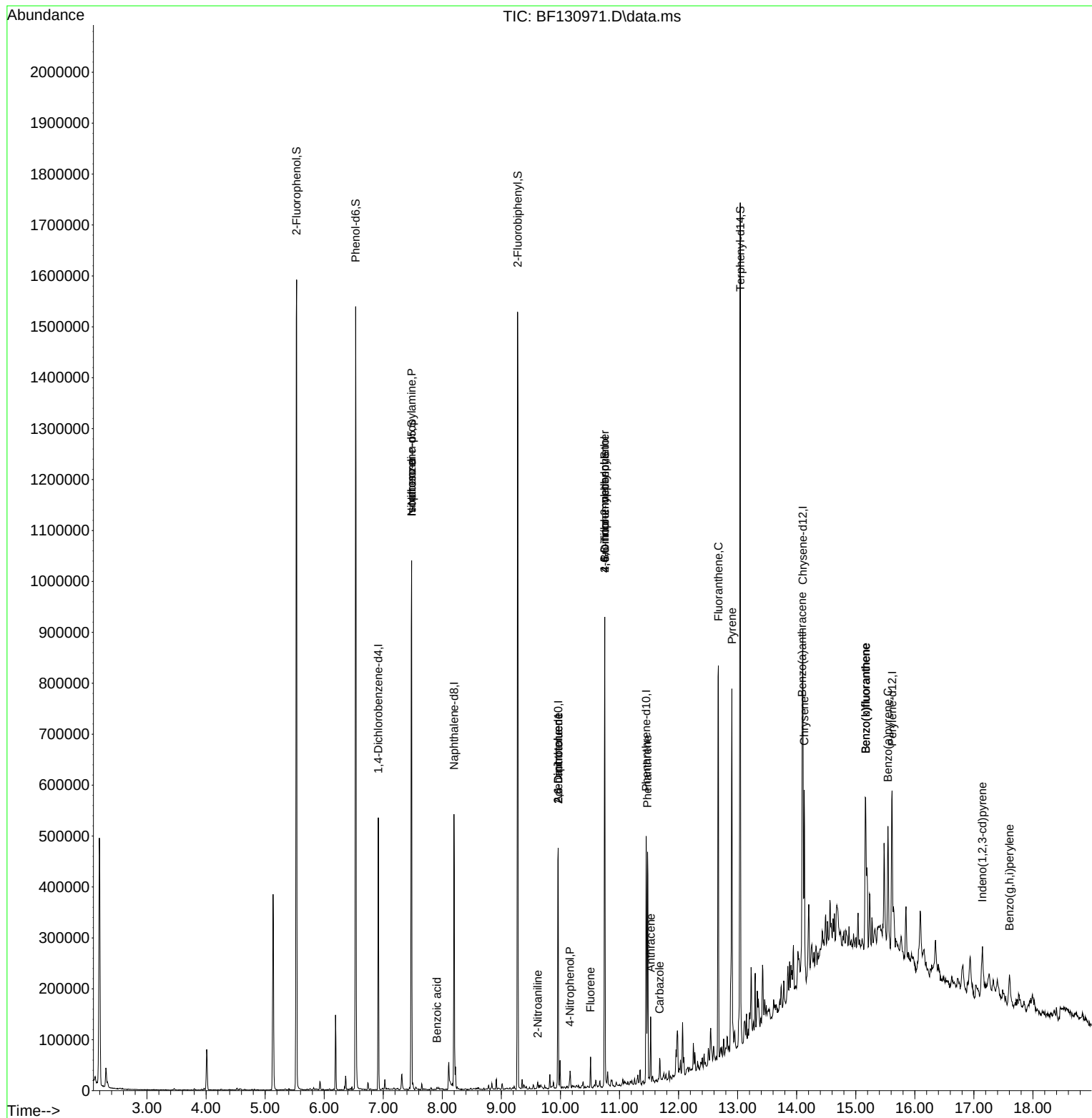
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.916	152	65873	20.000	ng	0.00
21) Naphthalene-d8	8.198	136	211602	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	94364	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	161917	20.000	ng	0.00
76) Chrysene-d12	14.104	240	176419	20.000	ng	0.00
86) Perylene-d12	15.615	264	146428	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	409838	107.859	ng	0.00
7) Phenol-d6	6.534	99	473880	95.970	ng	0.00
23) Nitrobenzene-d5	7.481	82	308699	87.968	ng	0.00
42) 2,4,6-Tribromophenol	10.751	330	91693	115.431	ng	0.00
45) 2-Fluorobiphenyl	9.275	172	462165	74.047	ng	0.00
79) Terphenyl-d14	13.045	244	535241	55.595	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.481	70	41789	12.439	ng	# 74
25) Isophorone	7.481	82	308696	42.658	ng	# 66
32) Benzoic acid	7.910	122	197	7.757	ng	90
48) 2-Nitroaniline	9.616	65	84	4.191	ng	# 12
51) 2,6-Dinitrotoluene	9.963	165	12162	12.086	ng	# 15
56) 4-Nitrophenol	10.163	139	4135	4.137	ng	# 1
57) 2,4-Dinitrotoluene	9.963	165	12162	10.956	ng	# 21
58) Fluorene	10.510	166	14169	2.357	ng	98
65) 4,6-Dinitro-2-methylph...	10.751	198	229	8.211	ng	# 1
67) 4-Bromophenyl-phenylether	10.751	248	5920	3.636	ng	# 1
71) Phenanthrene	11.475	178	159992	19.145	ng	99
72) Anthracene	11.527	178	43845	5.319	ng	98
73) Carbazole	11.680	167	15203	2.060	ng	# 91
75) Fluoranthene	12.674	202	315042	35.480	ng	97
78) Pyrene	12.904	202	279322	18.766	ng	98
81) Benzo(a)anthracene	14.092	228	166642	14.247	ng	98
83) Chrysene	14.127	228	148172	13.133	ng	97
87) Indeno(1,2,3-cd)pyrene	17.145	276	59405	6.109	ng	96
88) Benzo(b)fluoranthene	15.168	252	239966	25.352	ng	# 96
89) Benzo(k)fluoranthene	15.168	252	239966	26.017	ng	97
90) Benzo(a)pyrene	15.545	252	118847	15.619	ng	95
92) Benzo(g,h,i)perylene	17.604	276	49201	6.084	ng	95

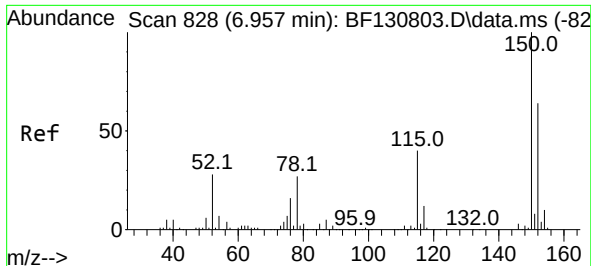
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Nov 04 06:20:24 2022
Response via : Initial Calibration

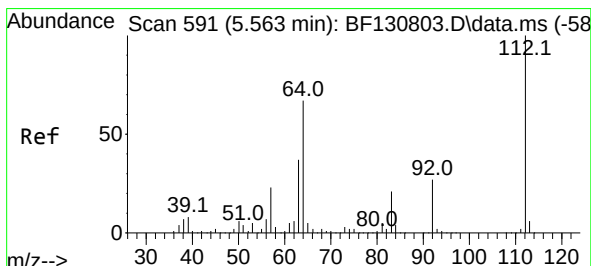
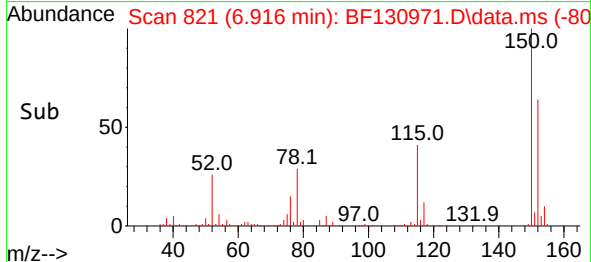
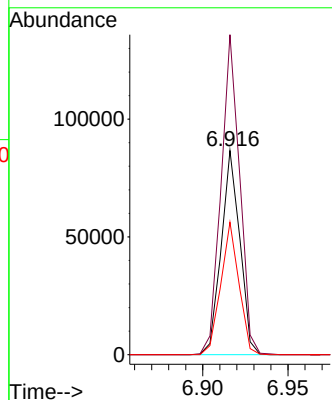
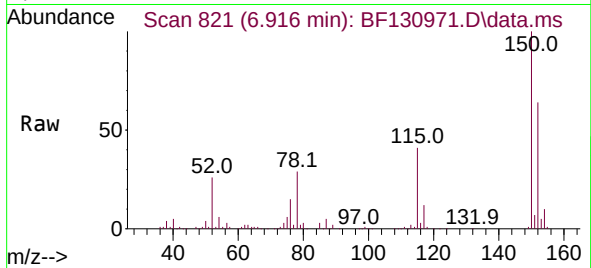




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.916 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF130971.D
Acq: 03 Nov 2022 21:28

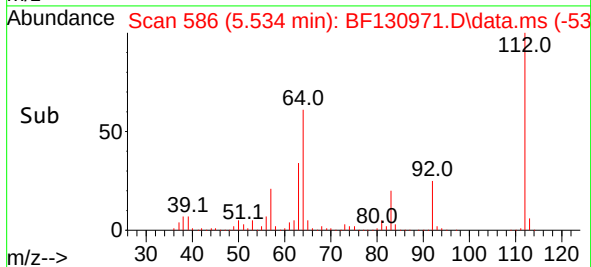
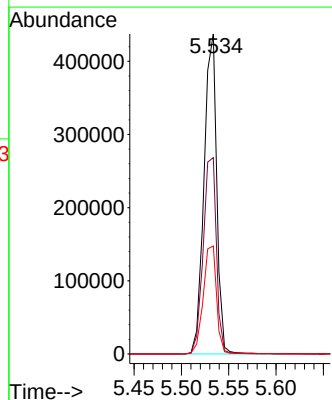
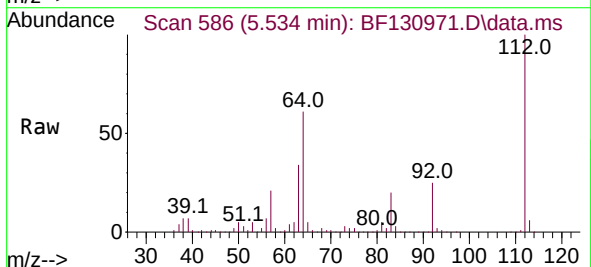
Instrument :
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S-13-103122

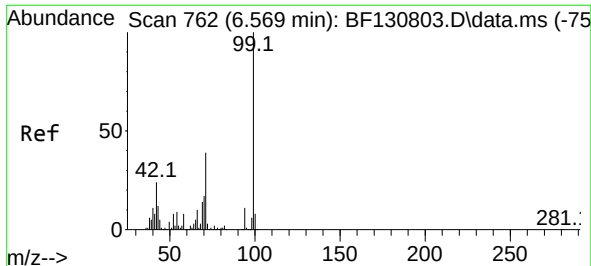
Tgt Ion:152 Resp: 65873
Ion Ratio Lower Upper
152 100
150 156.7 124.1 186.1
115 64.9 50.1 75.1



#5
2-Fluorophenol
Concen: 107.859 ng
RT: 5.534 min Scan# 586
Delta R.T. 0.006 min
Lab File: BF130971.D
Acq: 03 Nov 2022 21:28

Tgt Ion:112 Resp: 409838
Ion Ratio Lower Upper
112 100
64 61.4 53.9 80.9
63 33.8 29.4 44.2

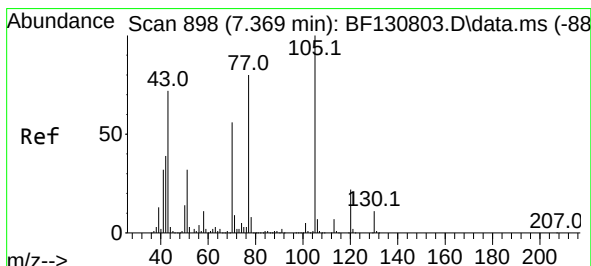
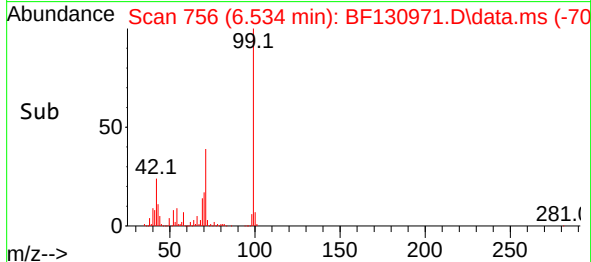
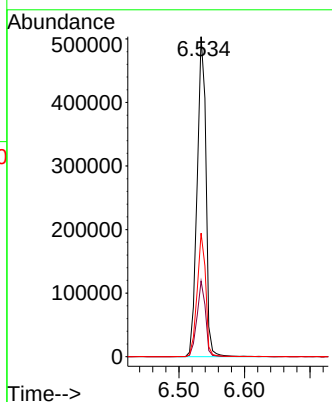
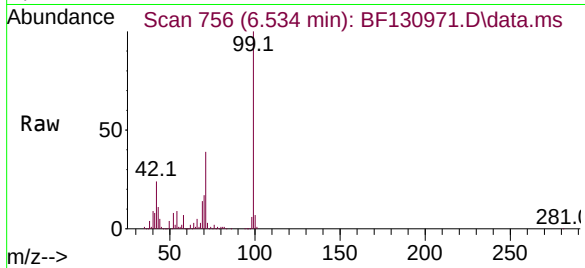




#7
Phenol-d6
Concen: 95.970 ng
RT: 6.534 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF130971.D
Acq: 03 Nov 2022 21:28

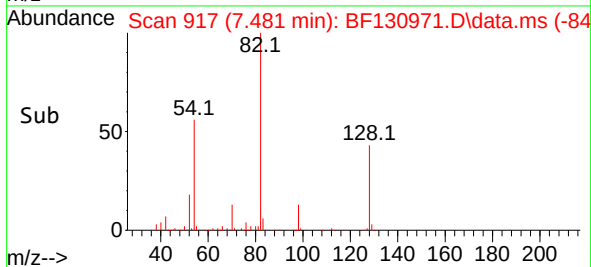
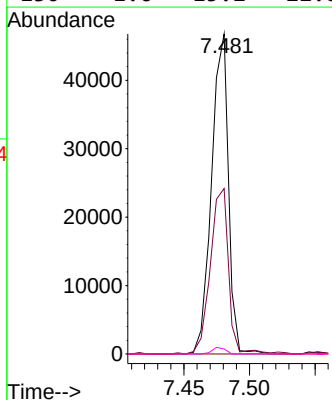
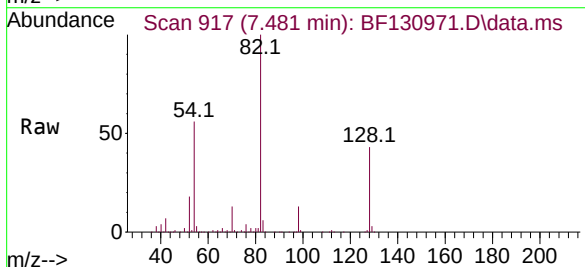
Instrument :
BNA_F
ClientSampleId :
S-13-103122

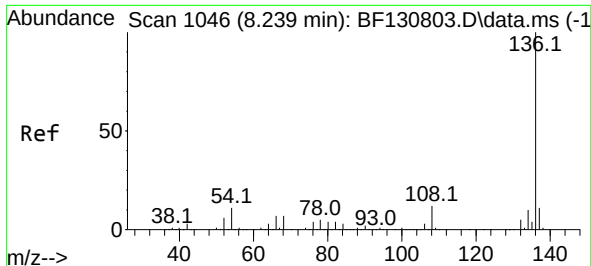
Tgt Ion: 99 Resp: 473880
Ion Ratio Lower Upper
99 100
42 23.7 18.8 28.2
71 38.6 31.4 47.0



#19
n-Nitroso-di-n-propylamine
Concen: 12.439 ng
RT: 7.481 min Scan# 917
Delta R.T. 0.153 min
Lab File: BF130971.D
Acq: 03 Nov 2022 21:28

Tgt Ion: 70 Resp: 41789
Ion Ratio Lower Upper
70 100
42 51.7 56.1 84.1#
101 0.0 7.3 10.9#
130 1.6 15.2 22.8#

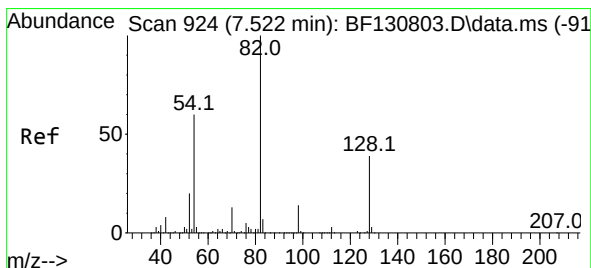
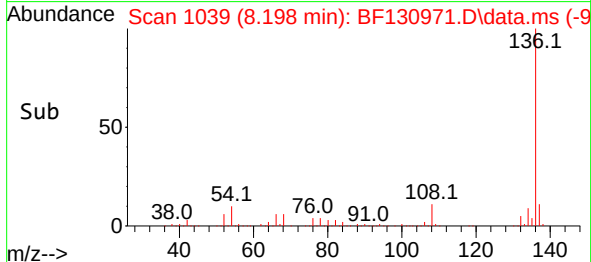
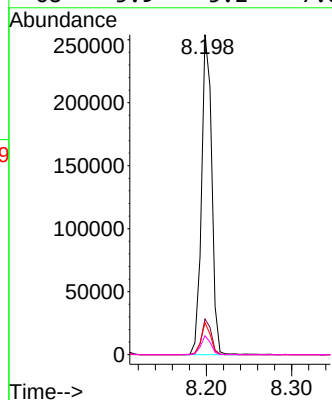
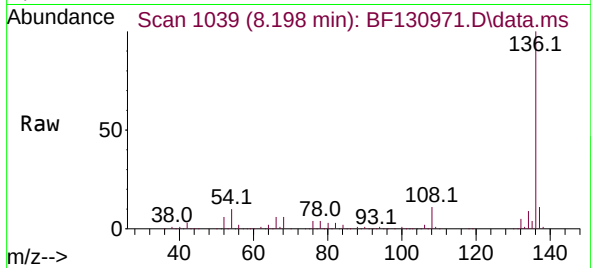




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.198 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF130971.D
Acq: 03 Nov 2022 21:28

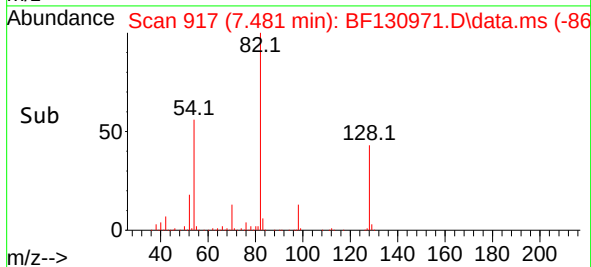
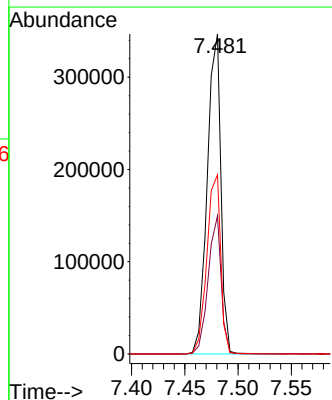
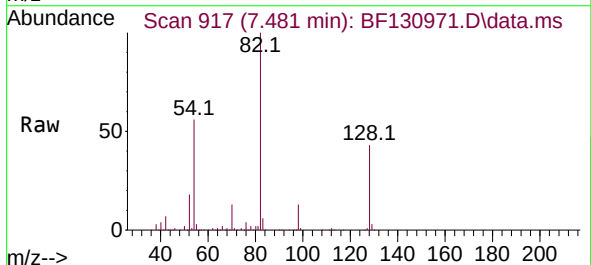
Instrument :
BNA_F
ClientSampleId :
S-13-103122

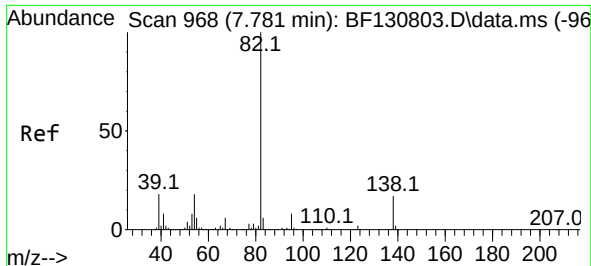
Tgt Ion:136 Resp: 211602
Ion Ratio Lower Upper
136 100
137 11.1 9.2 13.8
54 10.0 8.8 13.2
68 5.9 5.2 7.8



#23
Nitrobenzene-d5
Concen: 87.968 ng
RT: 7.481 min Scan# 917
Delta R.T. -0.006 min
Lab File: BF130971.D
Acq: 03 Nov 2022 21:28

Tgt Ion: 82 Resp: 308699
Ion Ratio Lower Upper
82 100
128 43.2 31.2 46.8
54 56.0 48.0 72.0

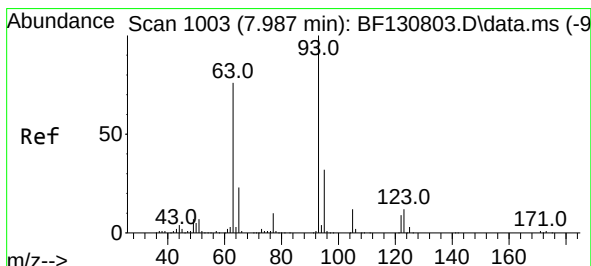
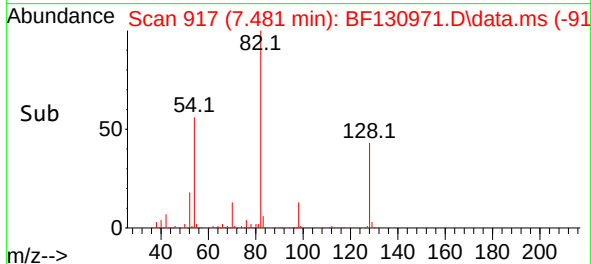
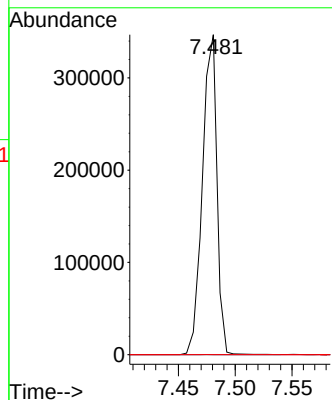
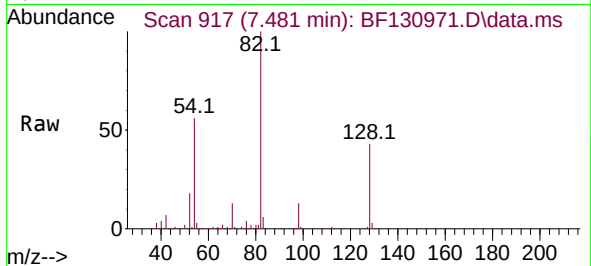




#25
Isophorone
Concen: 42.658 ng
RT: 7.481 min Scan# 91
Delta R.T. -0.259 min
Lab File: BF130971.D
Acq: 03 Nov 2022 21:28

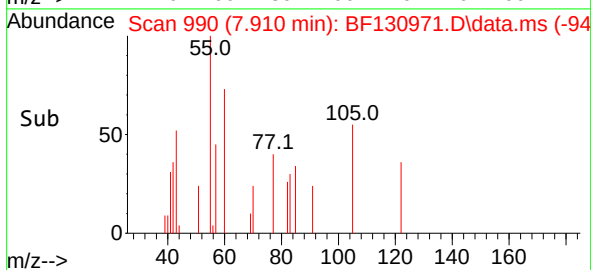
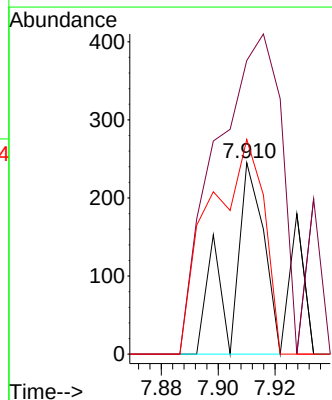
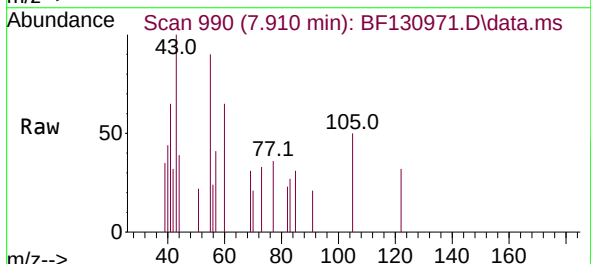
Instrument :
BNA_F
ClientSampleId :
S-13-103122

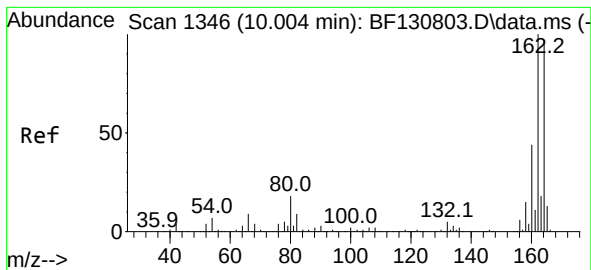
Tgt Ion: 82 Resp: 308696
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.4#
138 0.0 13.8 20.6#



#32
Benzoic acid
Concen: 7.757 ng
RT: 7.910 min Scan# 990
Delta R.T. -0.053 min
Lab File: BF130971.D
Acq: 03 Nov 2022 21:28

Tgt Ion: 122 Resp: 197
Ion Ratio Lower Upper
122 100
105 153.5 114.5 154.5
77 112.2 89.8 129.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.963 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF130971.D

Acq: 03 Nov 2022 21:28

Instrument :

BNA_F

ClientSampleId :

S-13-103122

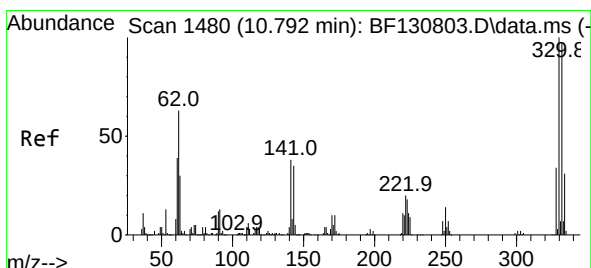
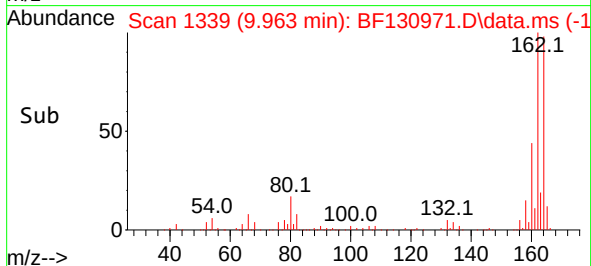
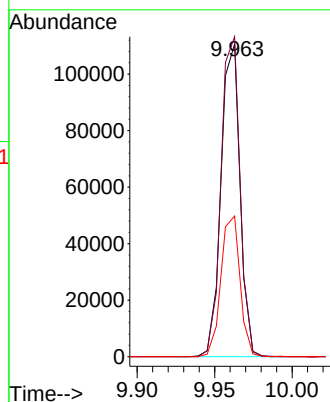
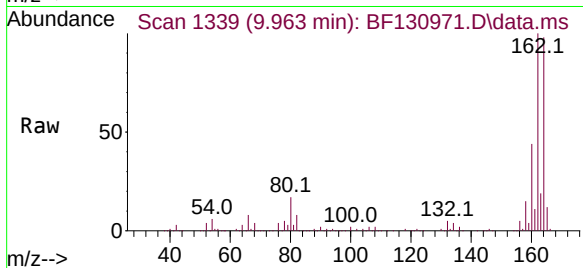
Tgt Ion:164 Resp: 94364

Ion Ratio Lower Upper

164 100

162 102.3 82.2 123.2

160 45.0 36.6 54.8



#42

2,4,6-Tribromophenol

Concen: 115.431 ng

RT: 10.751 min Scan# 1473

Delta R.T. -0.006 min

Lab File: BF130971.D

Acq: 03 Nov 2022 21:28

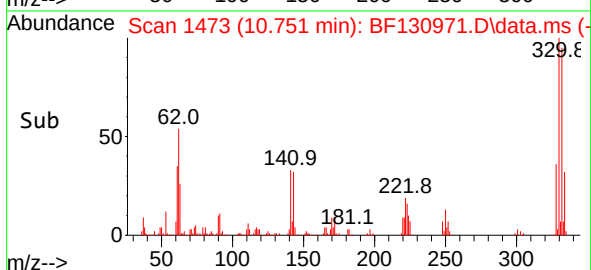
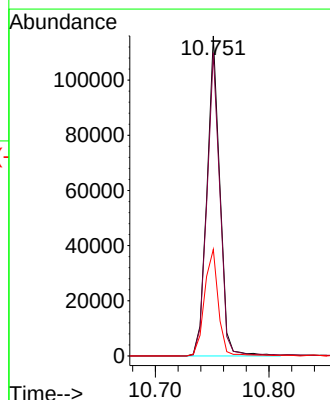
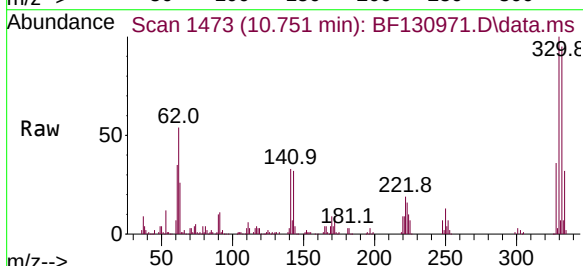
Tgt Ion:330 Resp: 91693

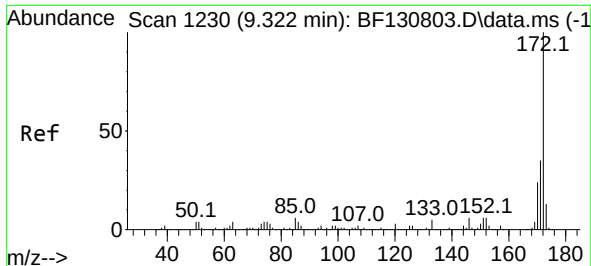
Ion Ratio Lower Upper

330 100

332 95.8 76.2 114.4

141 35.9 31.4 47.0





#45

2-Fluorobiphenyl

Concen: 74.047 ng

RT: 9.275 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF130971.D

Acq: 03 Nov 2022 21:28

Instrument :

BNA_F

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S-13-103122

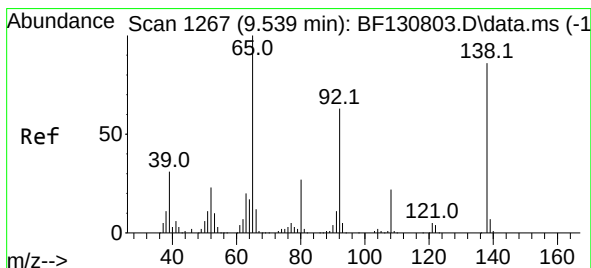
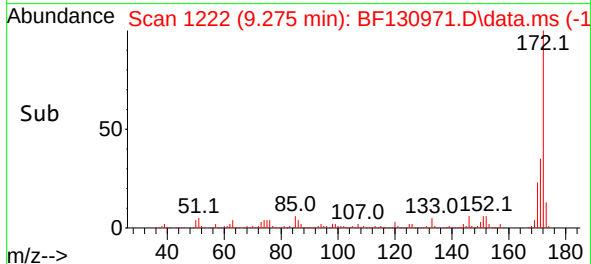
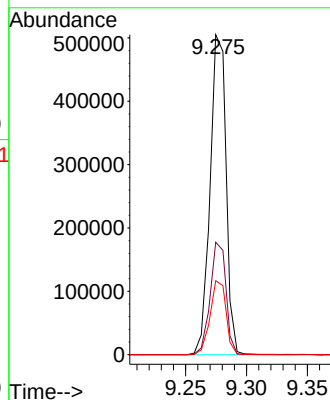
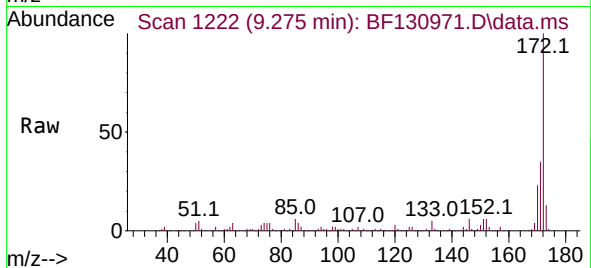
Tgt Ion:172 Resp: 462165

Ion Ratio Lower Upper

172 100

171 35.1 28.1 42.1

170 23.1 19.0 28.4



#48

2-Nitroaniline

Concen: 4.191 ng

RT: 9.616 min Scan# 1280

Delta R.T. 0.112 min

Lab File: BF130971.D

Acq: 03 Nov 2022 21:28

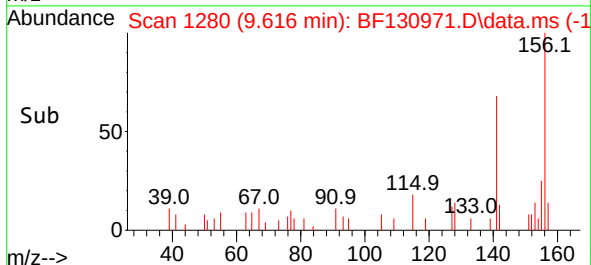
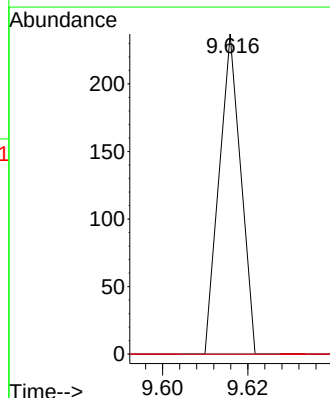
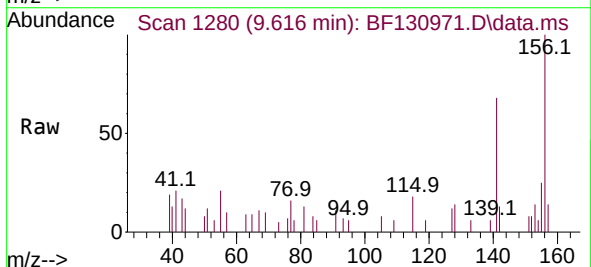
Tgt Ion: 65 Resp: 84

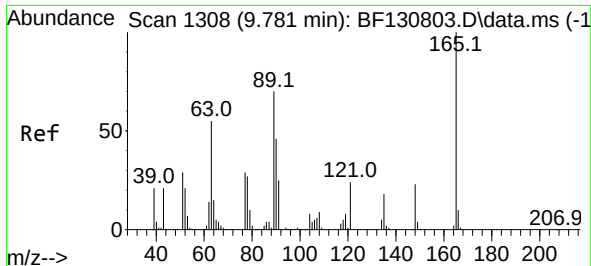
Ion Ratio Lower Upper

65 100

92 0.0 50.1 75.1#

138 0.0 69.2 103.8#

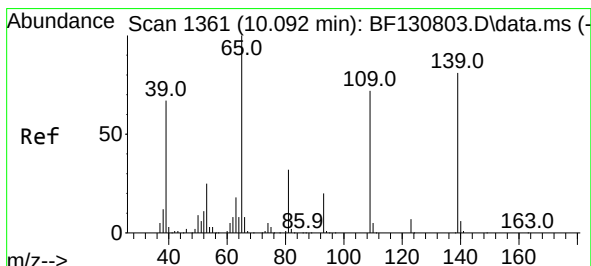
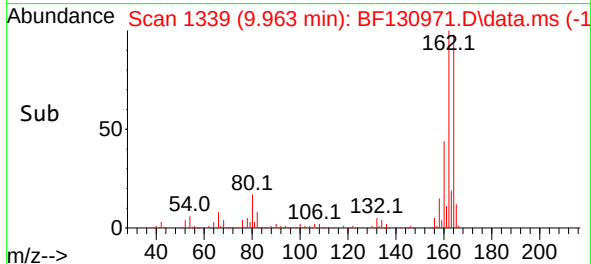
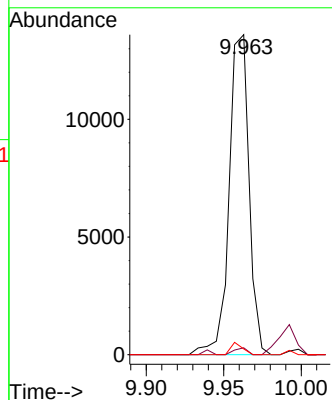
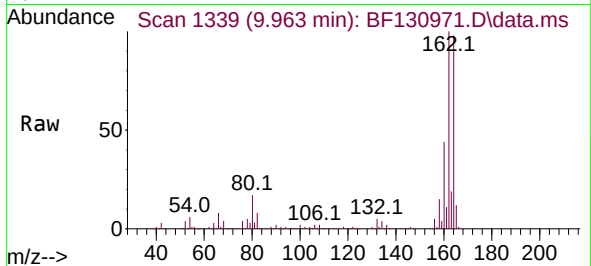




#51
2,6-Dinitrotoluene
Concen: 12.086 ng
RT: 9.963 min Scan# 11
Delta R.T. 0.218 min
Lab File: BF130971.D
Acq: 03 Nov 2022 21:28

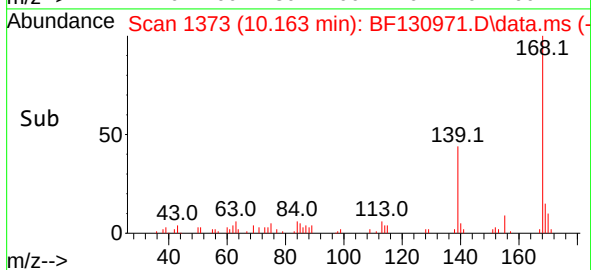
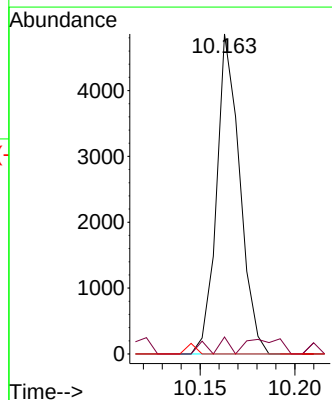
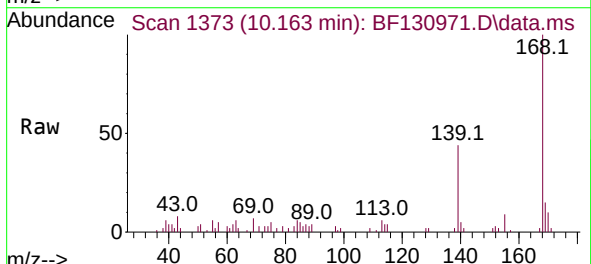
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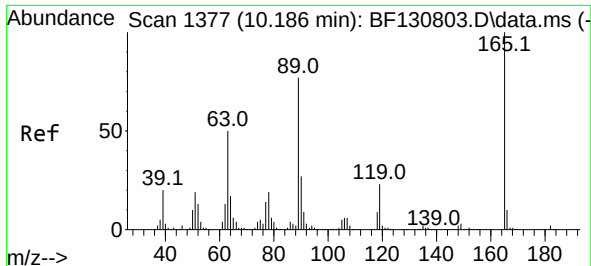
Tgt Ion:165 Resp: 12162
Ion Ratio Lower Upper
165 100
63 2.1 61.8 92.8#
89 1.8 56.2 84.4#



#56
4-Nitrophenol
Concen: 4.137 ng
RT: 10.163 min Scan# 1373
Delta R.T. 0.094 min
Lab File: BF130971.D
Acq: 03 Nov 2022 21:28

Tgt Ion:139 Resp: 4135
Ion Ratio Lower Upper
139 100
109 5.3 69.3 109.3#
65 0.0 105.3 145.3#

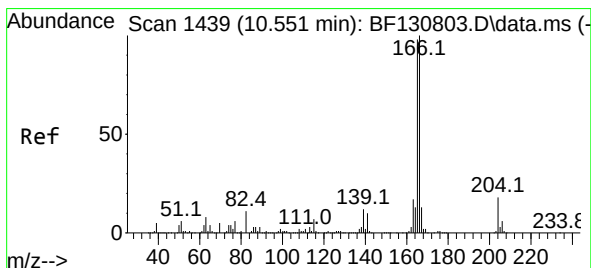
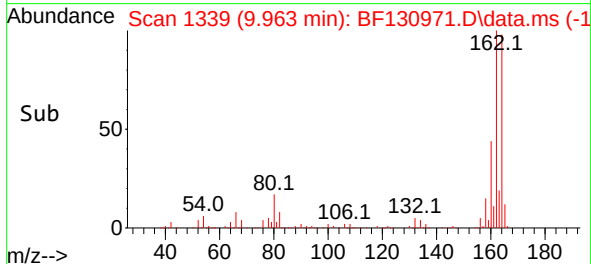
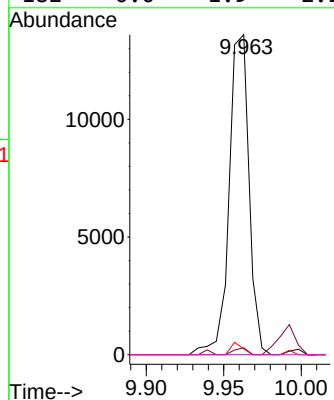
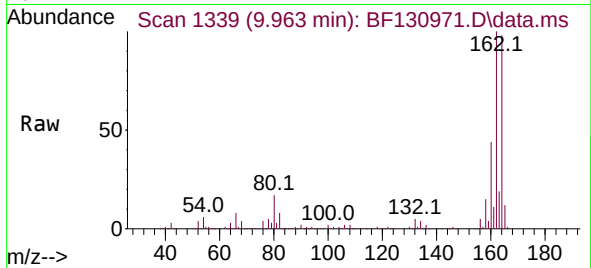




#57
2,4-Dinitrotoluene
Concen: 10.956 ng
RT: 9.963 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF130971.D
Acq: 03 Nov 2022 21:28

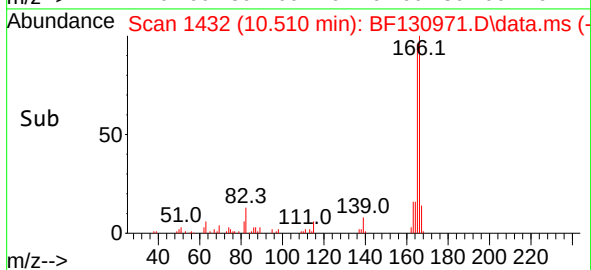
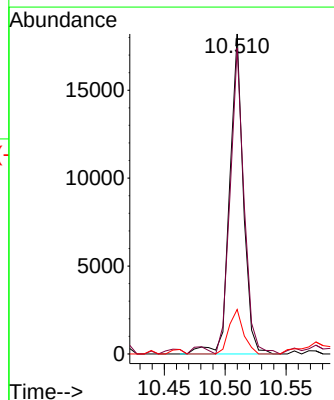
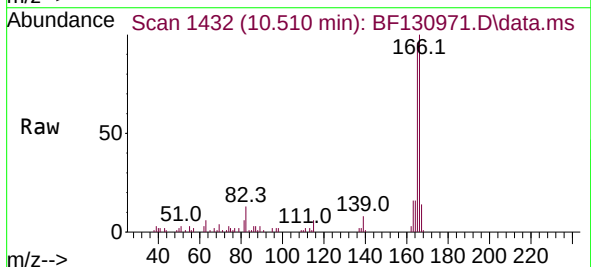
Instrument :
BNA_F
ClientSampleId :
S-13-103122

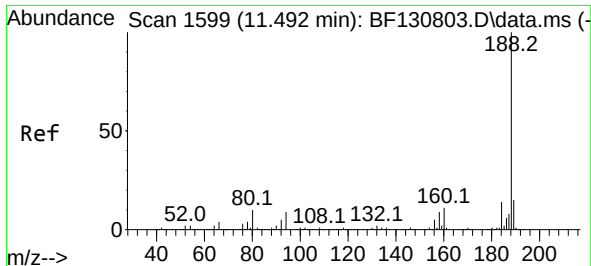
Tgt Ion:165 Resp: 12162
Ion Ratio Lower Upper
165 100
63 2.1 39.8 59.6#
89 1.8 61.9 92.9#
182 0.0 1.9 2.9#



#58
Fluorene
Concen: 2.357 ng
RT: 10.510 min Scan# 1432
Delta R.T. -0.006 min
Lab File: BF130971.D
Acq: 03 Nov 2022 21:28

Tgt Ion:166 Resp: 14169
Ion Ratio Lower Upper
166 100
165 95.6 78.1 117.1
167 13.9 10.4 15.6

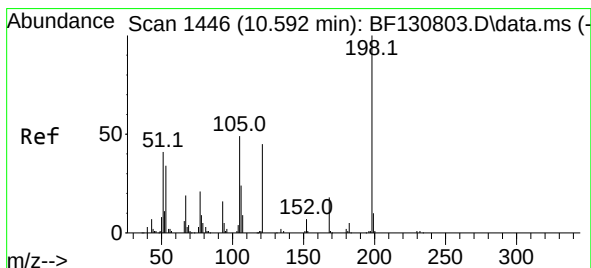
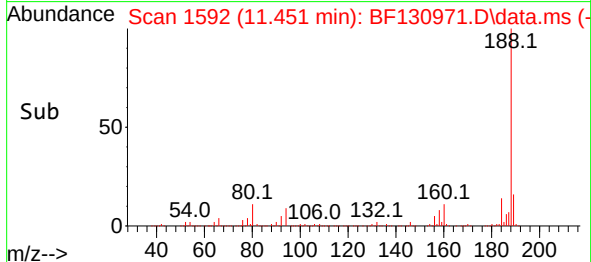
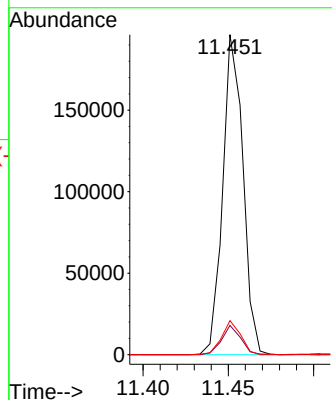
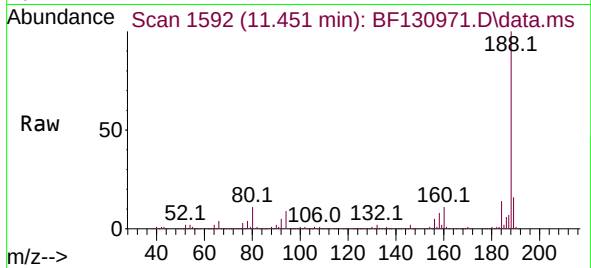




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF130971.D
Acq: 03 Nov 2022 21:28

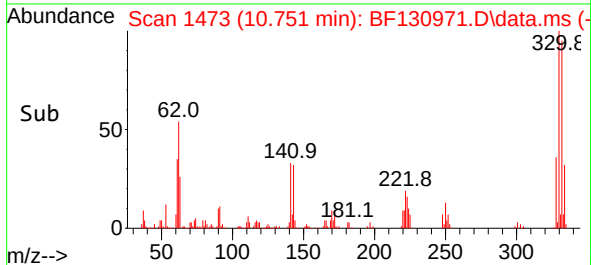
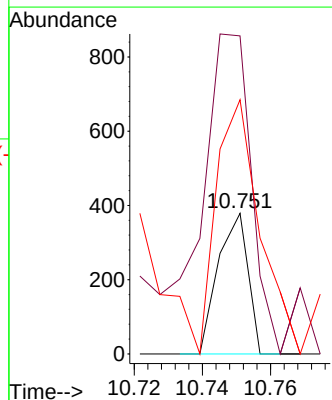
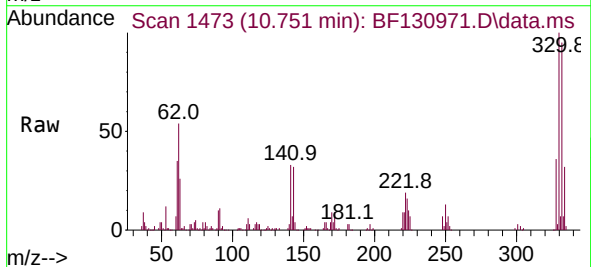
Instrument :
BNA_F
ClientSampleId :
S-13-103122

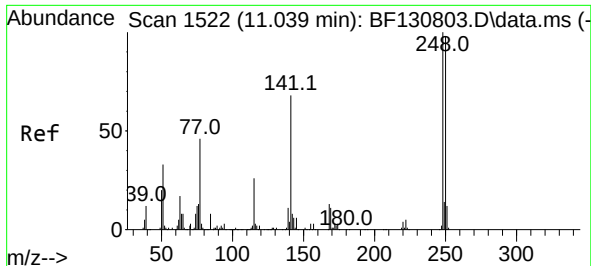
Tgt Ion:188 Resp: 161917
Ion Ratio Lower Upper
188 100
94 9.2 7.4 11.2
80 10.6 8.0 12.0



#65
4,6-Dinitro-2-methylphenol
Concen: 8.211 ng
RT: 10.751 min Scan# 1473
Delta R.T. 0.188 min
Lab File: BF130971.D
Acq: 03 Nov 2022 21:28

Tgt Ion:198 Resp: 229
Ion Ratio Lower Upper
198 100
51 226.1 39.0 79.0#
105 180.7 30.6 70.6#

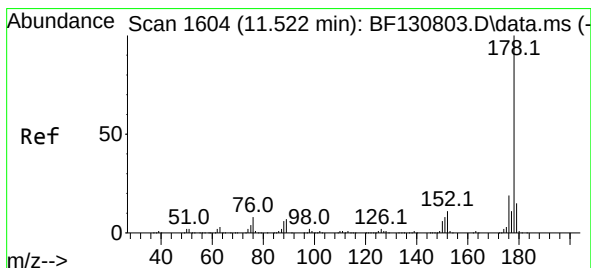
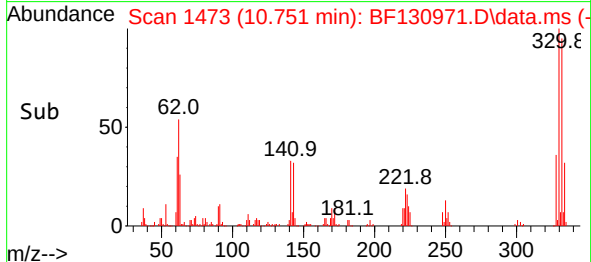
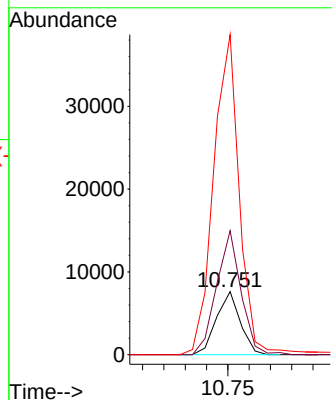
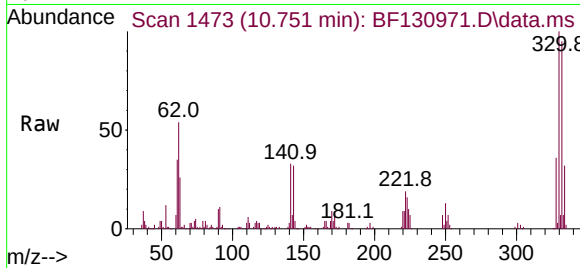




#67
4-Bromophenyl-phenylether
Concen: 3.636 ng
RT: 10.751 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF130971.D
Acq: 03 Nov 2022 21:28

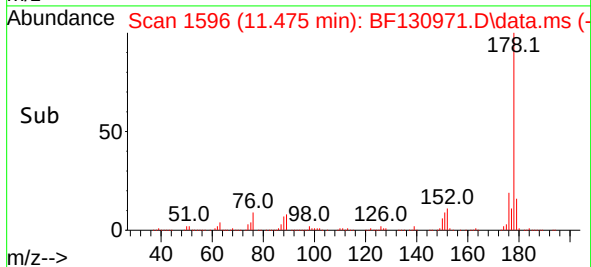
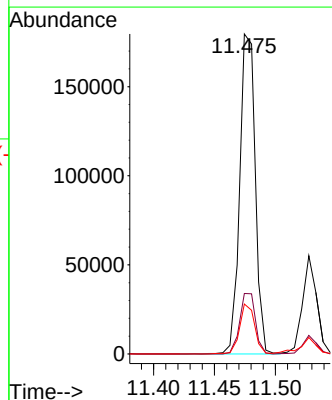
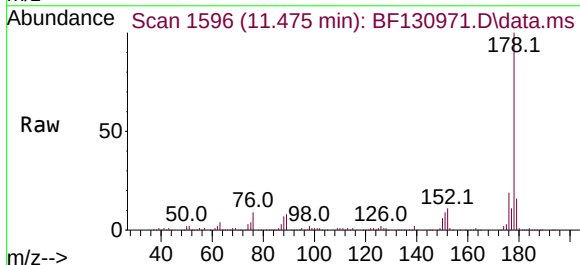
Instrument :
BNA_F
ClientSampleId :
S-13-103122

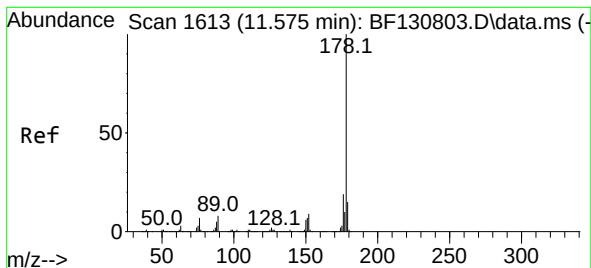
Tgt Ion:248 Resp: 5920
Ion Ratio Lower Upper
248 100
250 196.8 78.6 117.8#
141 508.1 54.2 81.4#



#71
Phenanthrene
Concen: 19.145 ng
RT: 11.475 min Scan# 1596
Delta R.T. -0.006 min
Lab File: BF130971.D
Acq: 03 Nov 2022 21:28

Tgt Ion:178 Resp: 159992
Ion Ratio Lower Upper
178 100
176 18.9 15.5 23.3
179 15.6 12.2 18.2





#72

Anthracene

Concen: 5.319 ng

RT: 11.527 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF130971.D

Acq: 03 Nov 2022 21:28

Instrument :

BNA_F

ClientSampleId :

S-13-103122

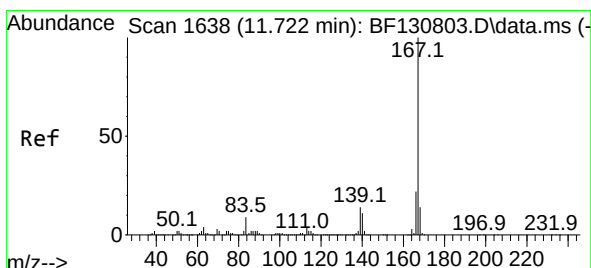
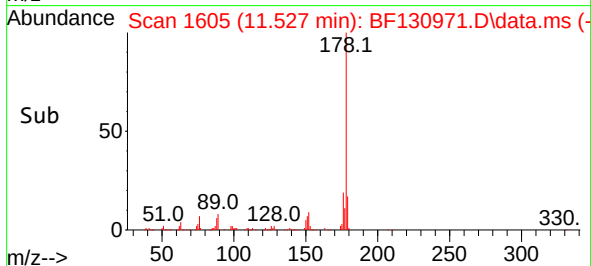
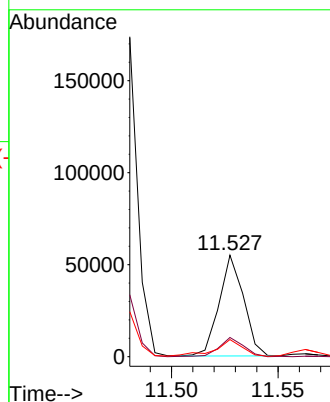
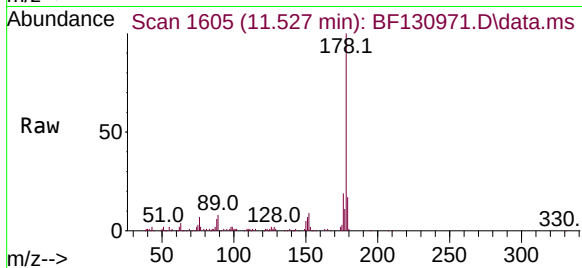
Tgt Ion:178 Resp: 43845

Ion Ratio Lower Upper

178 100

176 18.9 15.4 23.0

179 16.8 12.2 18.4



#73

Carbazole

Concen: 2.060 ng

RT: 11.680 min Scan# 1631

Delta R.T. -0.006 min

Lab File: BF130971.D

Acq: 03 Nov 2022 21:28

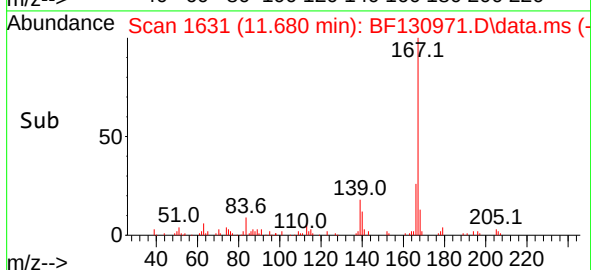
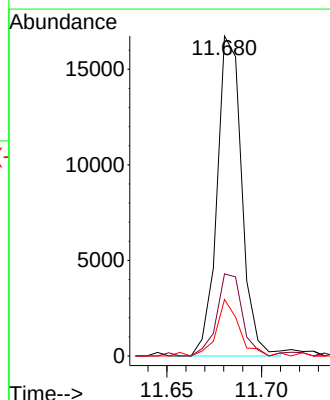
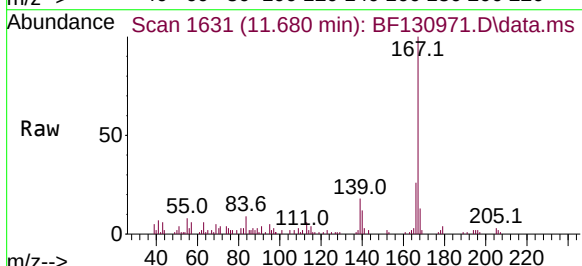
Tgt Ion:167 Resp: 15203

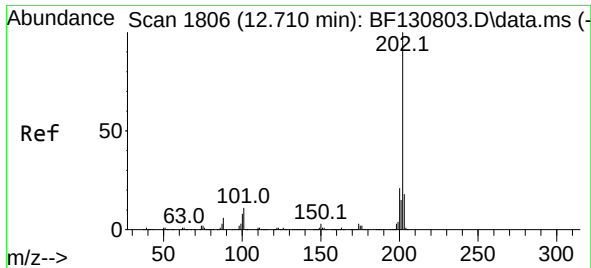
Ion Ratio Lower Upper

167 100

166 25.7 17.4 26.0

139 17.7 11.3 16.9#

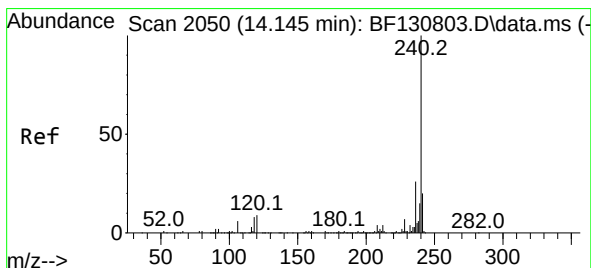
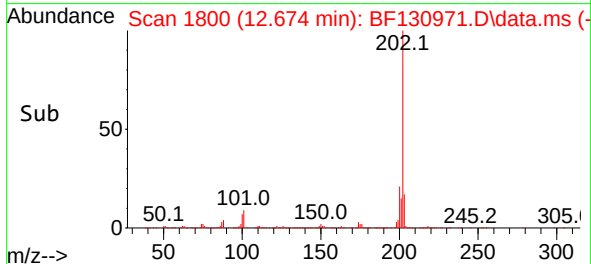
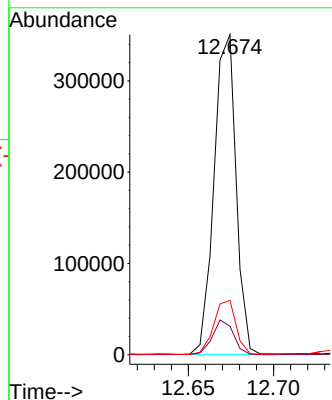
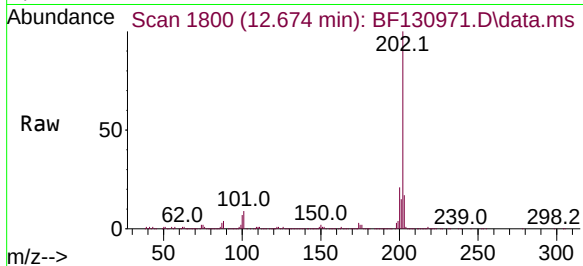




#75
Fluoranthene
Concen: 35.480 ng
RT: 12.674 min Scan# 1806
Delta R.T. -0.000 min
Lab File: BF130971.D
Acq: 03 Nov 2022 21:28

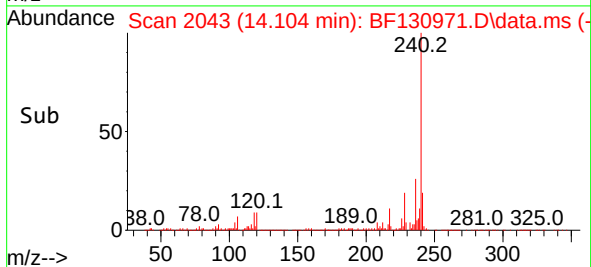
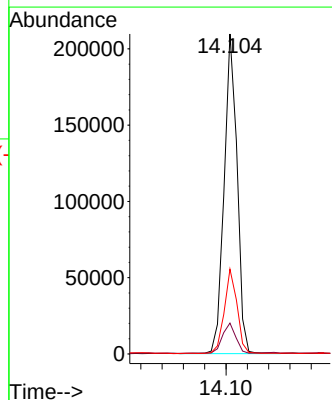
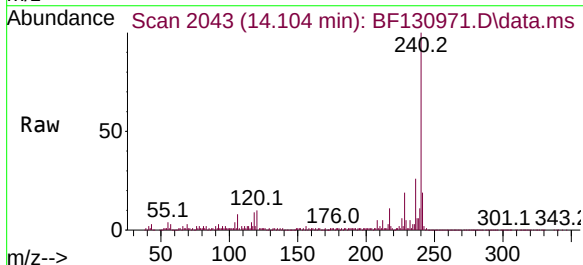
Instrument :
BNA_F
ClientSampleId :
S-13-103122

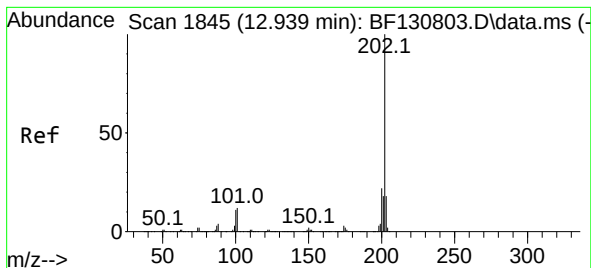
Tgt Ion:202 Resp: 315042
Ion Ratio Lower Upper
202 100
101 8.9 0.0 30.9
203 17.0 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.104 min Scan# 2043
Delta R.T. -0.000 min
Lab File: BF130971.D
Acq: 03 Nov 2022 21:28

Tgt Ion:240 Resp: 176419
Ion Ratio Lower Upper
240 100
120 9.6 7.0 10.4
236 26.5 20.5 30.7





#78

Pyrene

Concen: 18.766 ng

RT: 12.904 min Scan# 1839

Delta R.T. -0.000 min

Lab File: BF130971.D

Acq: 03 Nov 2022 21:28

Instrument :

BNA_F

ClientSampleId :

S-13-103122

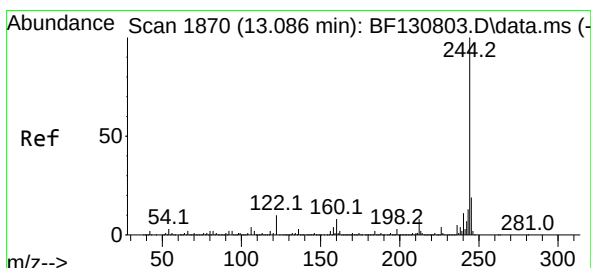
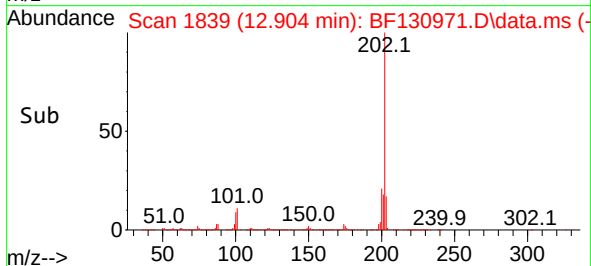
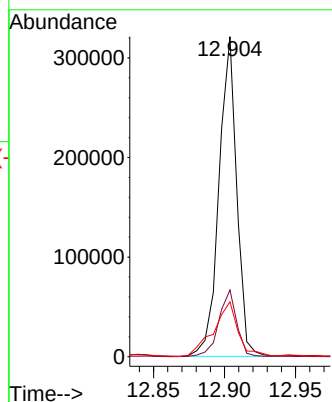
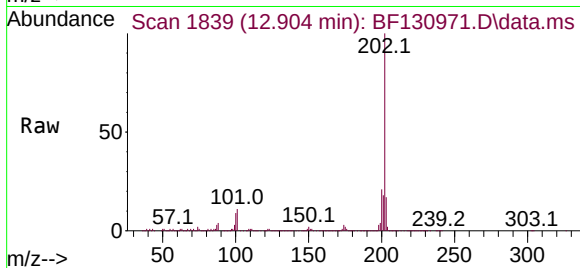
Tgt Ion:202 Resp: 279322

Ion Ratio Lower Upper

202 100

200 20.8 17.2 25.8

203 17.1 14.5 21.7



#79

Terphenyl-d14

Concen: 55.595 ng

RT: 13.045 min Scan# 1863

Delta R.T. -0.000 min

Lab File: BF130971.D

Acq: 03 Nov 2022 21:28

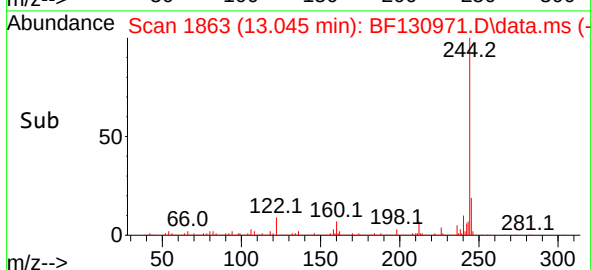
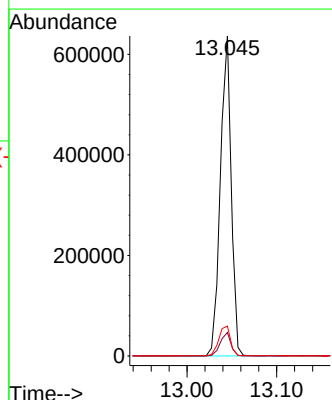
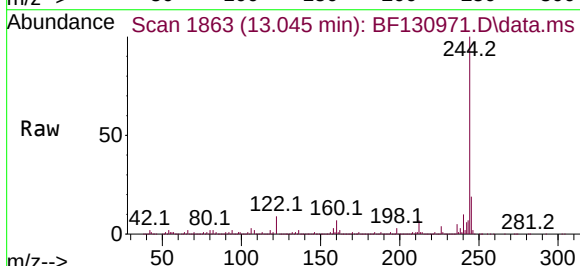
Tgt Ion:244 Resp: 535241

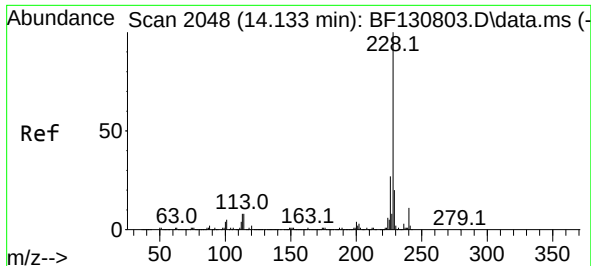
Ion Ratio Lower Upper

244 100

212 7.3 6.2 9.2

122 9.3 7.9 11.9

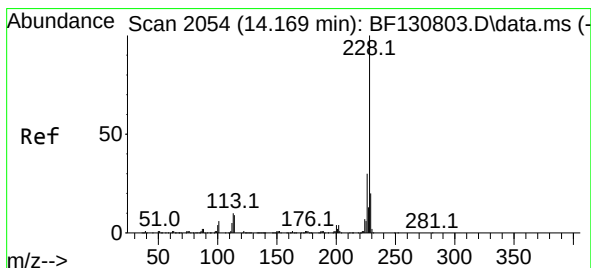
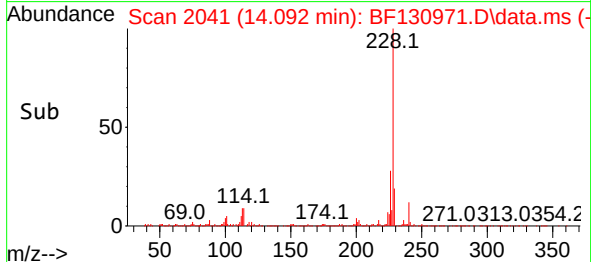
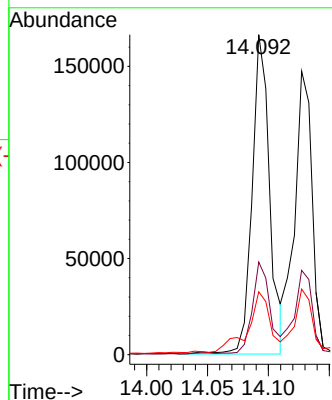
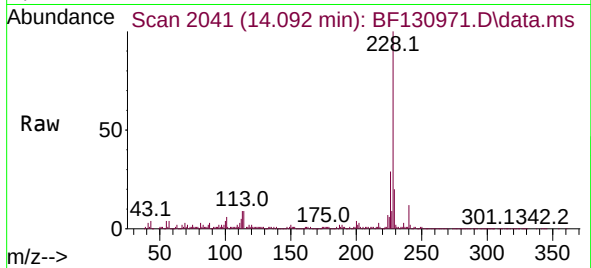




#81
Benzo(a)anthracene
Concen: 14.247 ng
RT: 14.092 min Scan# 2041
Delta R.T. -0.006 min
Lab File: BF130971.D
Acq: 03 Nov 2022 21:28

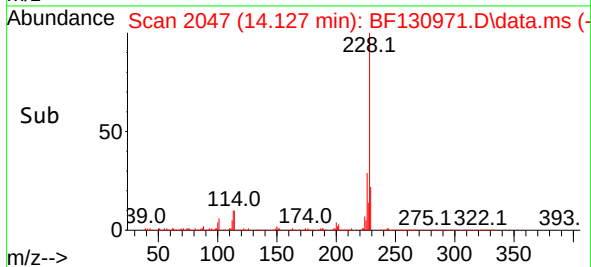
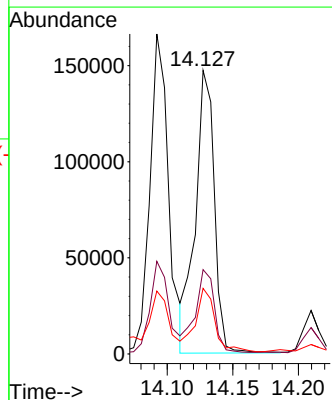
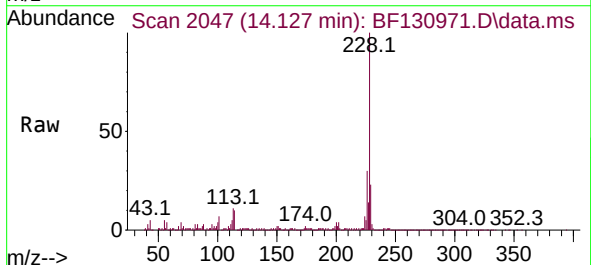
Instrument :
BNA_F
ClientSampleId :
S-13-103122

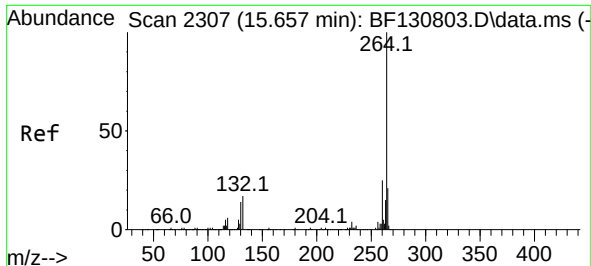
Tgt Ion:228 Resp: 166642
Ion Ratio Lower Upper
228 100
226 29.0 21.4 32.2
229 19.7 15.8 23.6



#83
Chrysene
Concen: 13.133 ng
RT: 14.127 min Scan# 2047
Delta R.T. -0.006 min
Lab File: BF130971.D
Acq: 03 Nov 2022 21:28

Tgt Ion:228 Resp: 148172
Ion Ratio Lower Upper
228 100
226 29.8 23.9 35.9
229 23.2 15.8 23.6



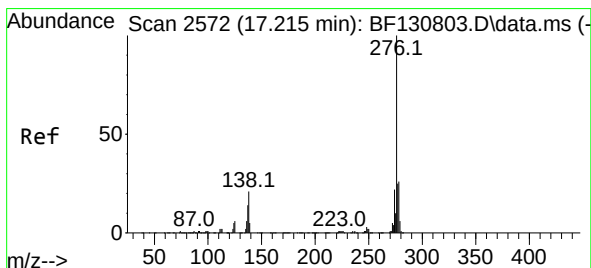
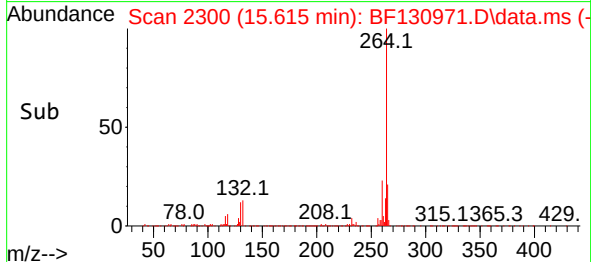
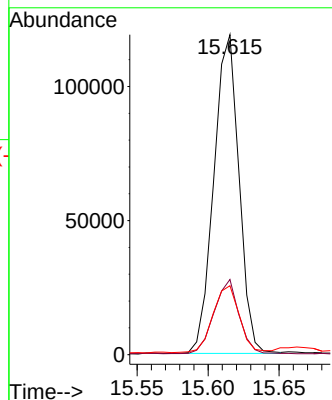
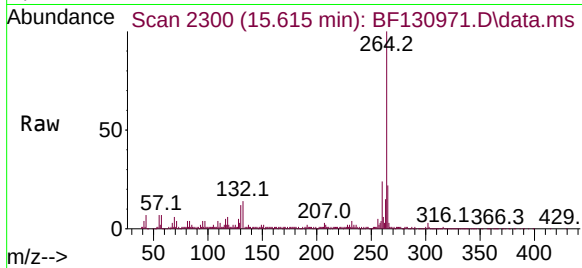


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.615 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF130971.D
Acq: 03 Nov 2022 21:28

Instrument :
BNA_F
ClientSampleId :
S-13-103122

Tgt Ion:264 Resp: 146428

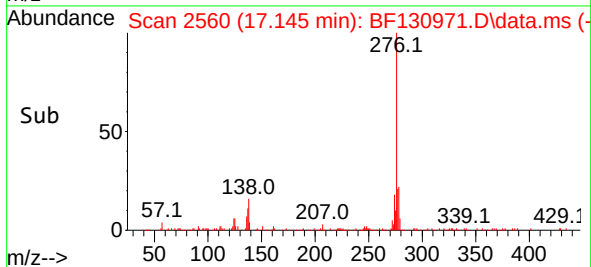
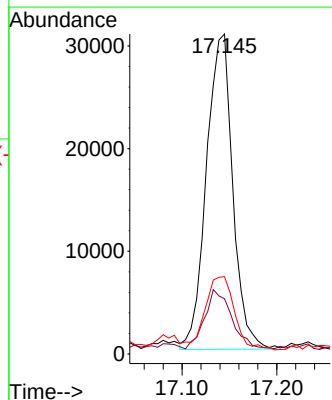
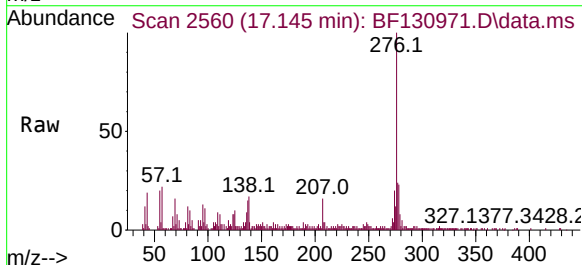
Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.9	29.9
265	21.6	17.0	25.6

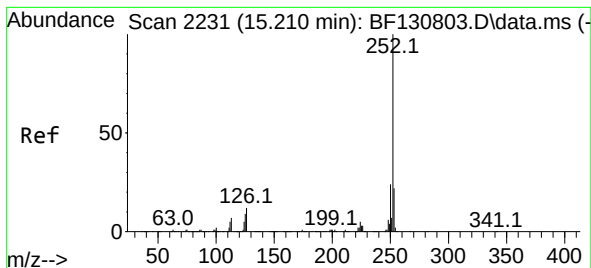


#87
Indeno(1,2,3-cd)pyrene
Concen: 6.109 ng
RT: 17.145 min Scan# 2560
Delta R.T. -0.000 min
Lab File: BF130971.D
Acq: 03 Nov 2022 21:28

Tgt Ion:276 Resp: 59405

Ion	Ratio	Lower	Upper
276	100		
138	19.8	19.1	28.7
277	25.3	20.1	30.1





#88

Benzo(b)fluoranthene

Concen: 25.352 ng

RT: 15.168 min Scan# 2224

Delta R.T. 0.006 min

Lab File: BF130971.D

Acq: 03 Nov 2022 21:28

Instrument :

BNA_F

ClientSampleId :

S-13-103122

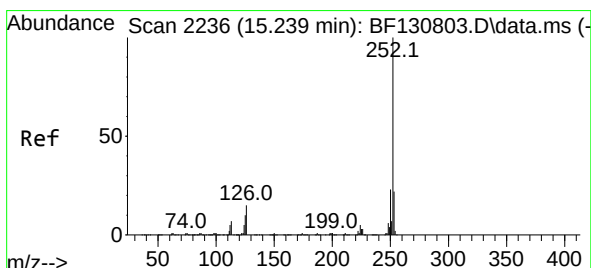
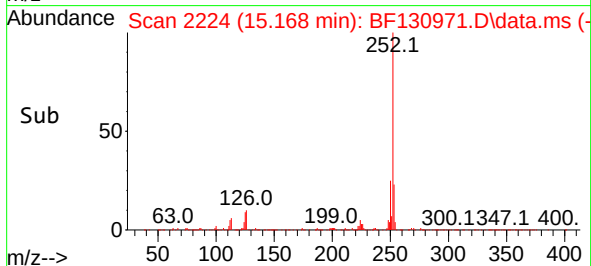
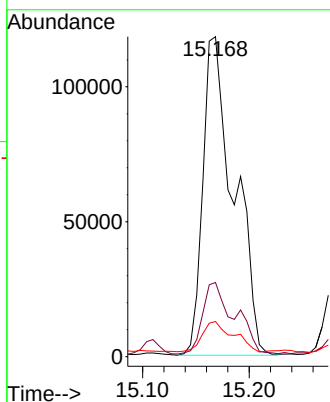
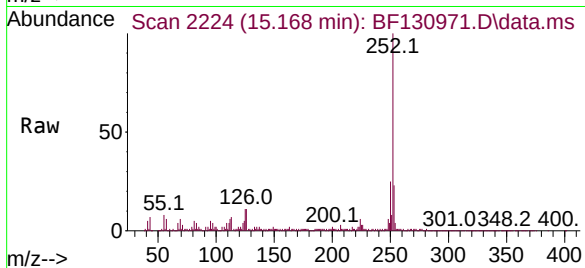
Tgt Ion:252 Resp: 239966

Ion Ratio Lower Upper

252 100

253 23.2 17.5 26.3

125 11.0 7.0 10.4#



#89

Benzo(k)fluoranthene

Concen: 26.017 ng

RT: 15.168 min Scan# 2224

Delta R.T. -0.029 min

Lab File: BF130971.D

Acq: 03 Nov 2022 21:28

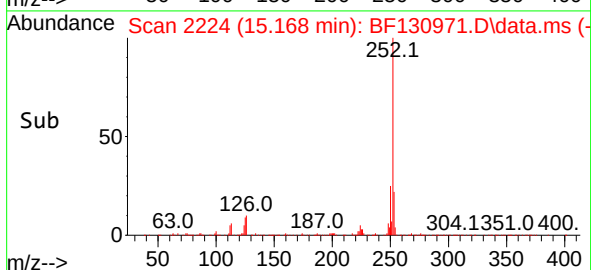
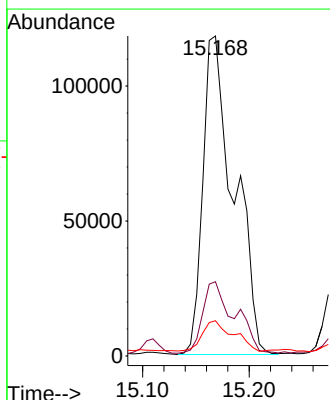
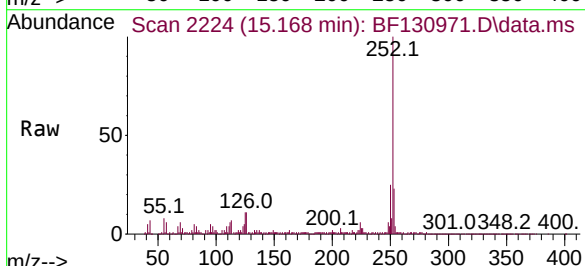
Tgt Ion:252 Resp: 239966

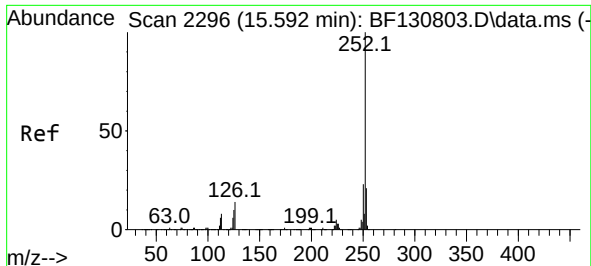
Ion Ratio Lower Upper

252 100

253 23.2 17.5 26.3

125 11.0 8.0 12.0

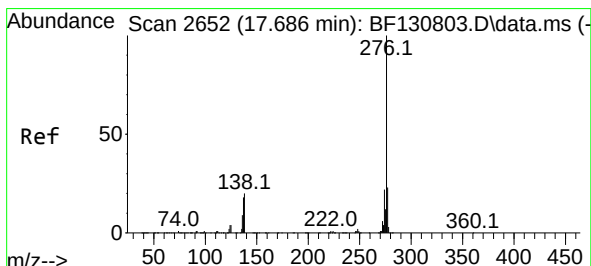
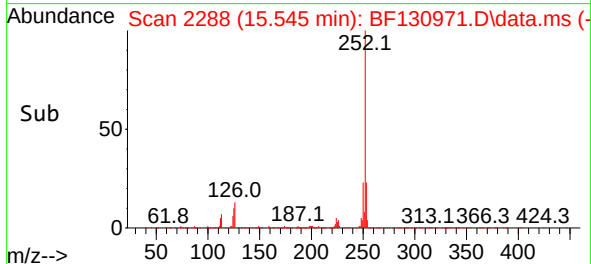
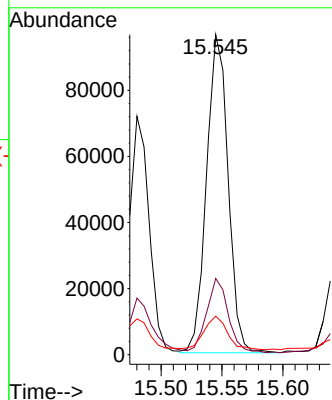
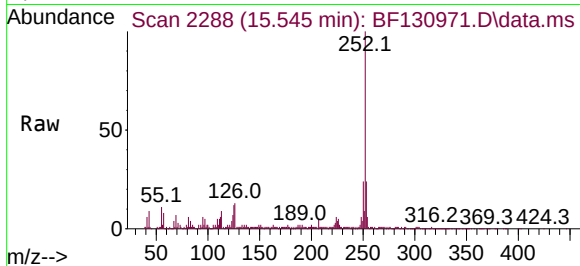




#90
Benzo(a)pyrene
Concen: 15.619 ng
RT: 15.545 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF130971.D
Acq: 03 Nov 2022 21:28

Instrument :
BNA_F
ClientSampleId :
S-13-103122

Tgt Ion:252 Resp: 118847
Ion Ratio Lower Upper
252 100
253 23.8 16.8 25.2
125 12.1 8.3 12.5



#92
Benzo(g,h,i)perylene
Concen: 6.084 ng
RT: 17.604 min Scan# 2638
Delta R.T. -0.006 min
Lab File: BF130971.D
Acq: 03 Nov 2022 21:28

Tgt Ion:276 Resp: 49201
Ion Ratio Lower Upper
276 100
277 26.9 18.8 28.2
138 21.6 16.3 24.5

