

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010423\
 Data File : BF131902.D
 Acq On : 04 Jan 2023 16:52
 Operator : CG\JU
 Sample : 01005-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-10323

Quant Time: Jan 05 05:43:24 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 30 02:06:40 2022
 Response via : Initial Calibration

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

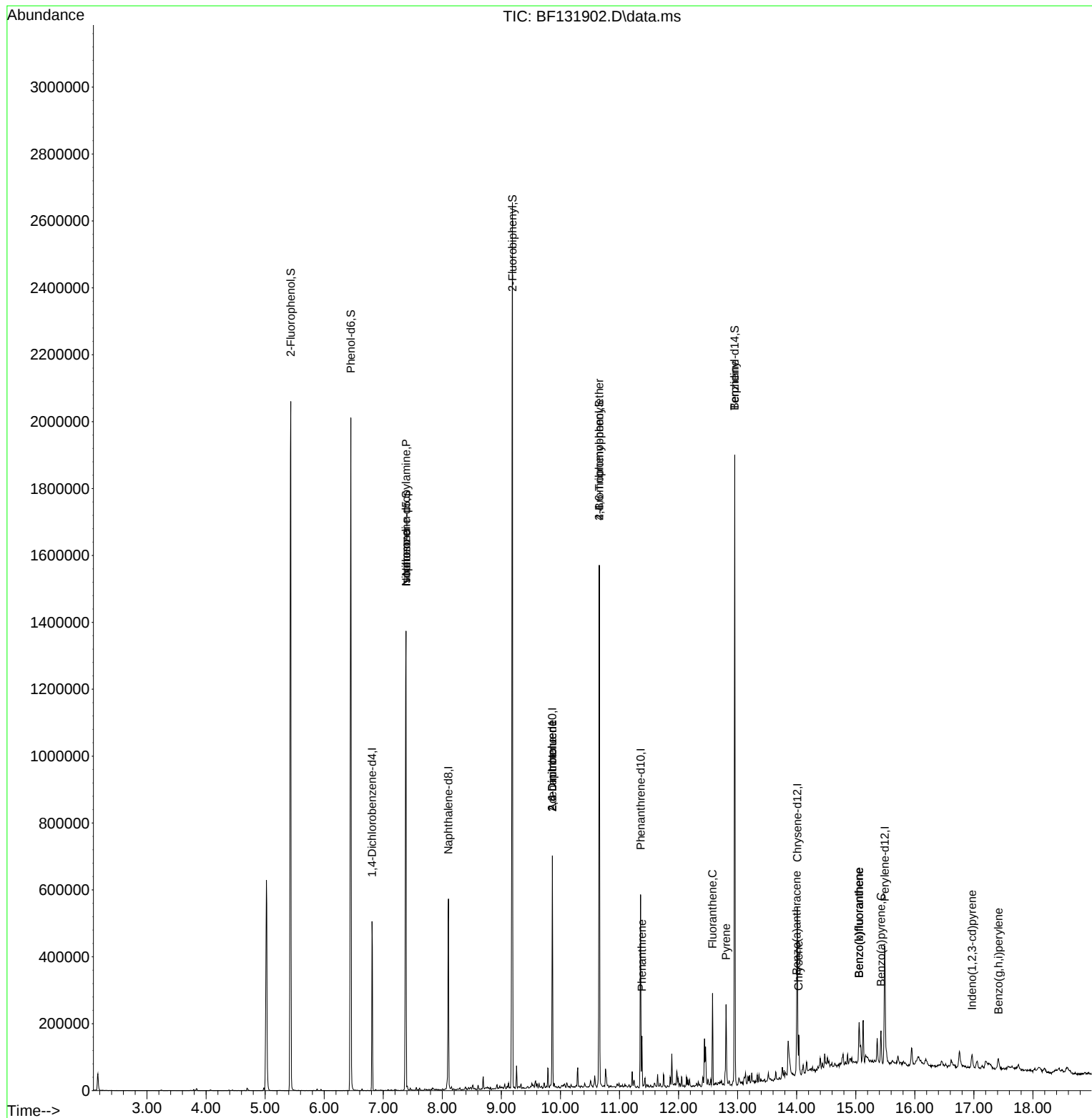
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.810	152	67640	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	232994	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	120863	20.000	ng	-0.01
64) Phenanthrene-d10	11.357	188	194709	20.000	ng	0.00
76) Chrysene-d12	14.009	240	142061	20.000	ng	0.00
86) Perylene-d12	15.492	264	158907	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	538358	131.901	ng	0.01
7) Phenol-d6	6.451	99	686460	128.014	ng	0.00
23) Nitrobenzene-d5	7.386	82	484236	82.978	ng	0.00
42) 2,4,6-Tribromophenol	10.657	330	154018	117.286	ng	-0.01
45) 2-Fluorobiphenyl	9.186	172	765928	86.802	ng	0.00
79) Terphenyl-d14	12.951	244	566614	67.467	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.386	70	69560	18.367	ng	# 77
25) Isophorone	7.386	82	482268	50.604	ng	# 69
51) 2,6-Dinitrotoluene	9.863	165	15567	7.865	ng	# 18
57) 2,4-Dinitrotoluene	9.863	165	15567	5.751	ng	# 18
67) 4-Bromophenyl-phenylether	10.657	248	10389	4.604	ng	# 1
71) Phenanthrene	11.380	178	48059	4.488	ng	99
75) Fluoranthene	12.574	202	96733	7.756	ng	99
77) Benzidine	12.951	184	8826	3.781	ng	# 93
78) Pyrene	12.804	202	93179	7.826	ng	96
81) Benzo(a)anthracene	13.998	228	45867	4.459	ng	98
83) Chrysene	14.033	228	46338	4.794	ng	95
87) Indeno(1,2,3-cd)pyrene	16.968	276	25585	2.534	ng	97
88) Benzo(b)fluoranthene	15.056	252	81898	7.029	ng	# 97
89) Benzo(k)fluoranthene	15.056	252	81898	7.275	ng	# 97
90) Benzo(a)pyrene	15.427	252	43107	4.779	ng	97
92) Benzo(g,h,i)perylene	17.415	276	23725	7.408	ng	96

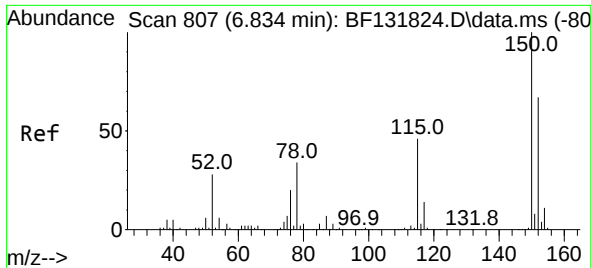
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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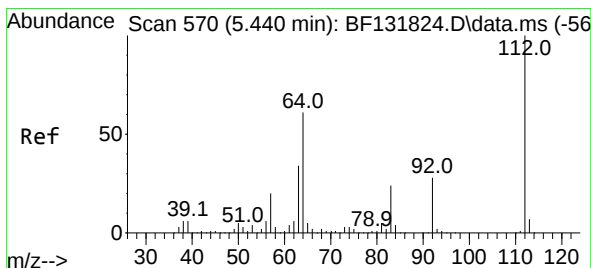
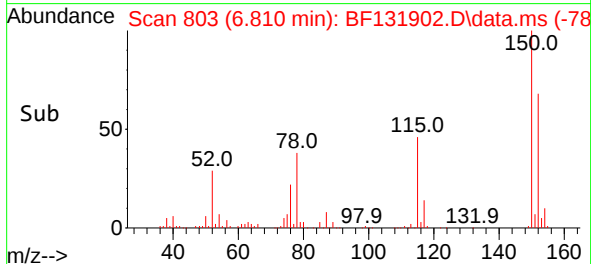
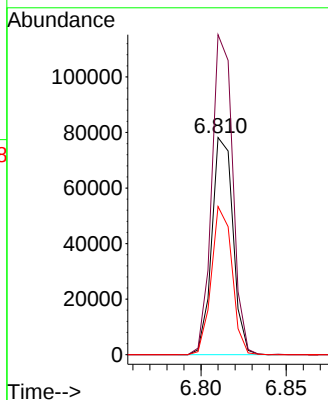
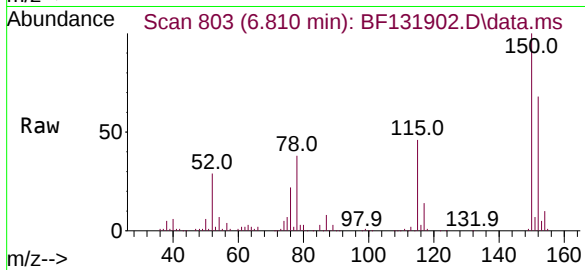




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.810 min Scan# 807
Delta R.T. -0.006 min
Lab File: BF131902.D
Acq: 04 Jan 2023 16:52

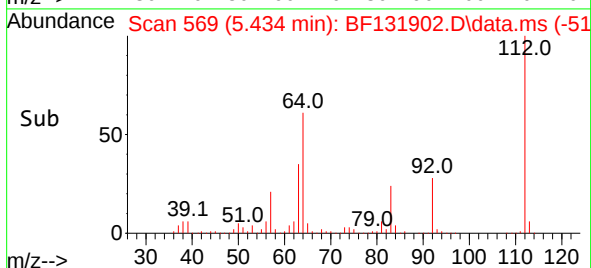
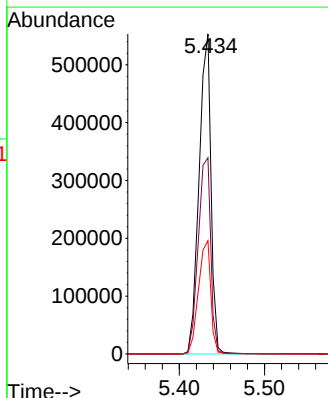
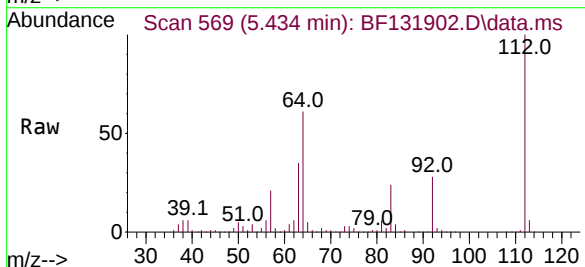
Instrument :
BNA_F
ClientSampleId :
PL-01-10323

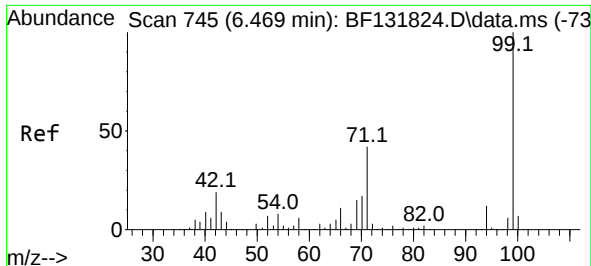
Tgt Ion:152 Resp: 67640
Ion Ratio Lower Upper
152 100
150 147.4 120.0 180.0
115 68.3 55.1 82.7



#5
2-Fluorophenol
Concen: 131.901 ng
RT: 5.434 min Scan# 569
Delta R.T. 0.012 min
Lab File: BF131902.D
Acq: 04 Jan 2023 16:52

Tgt Ion:112 Resp: 538358
Ion Ratio Lower Upper
112 100
64 61.3 49.2 73.8
63 35.4 27.5 41.3

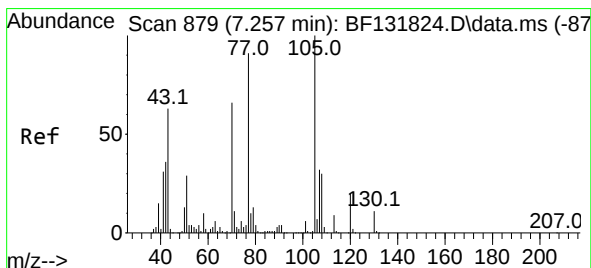
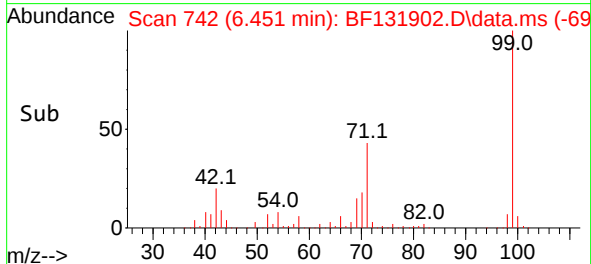
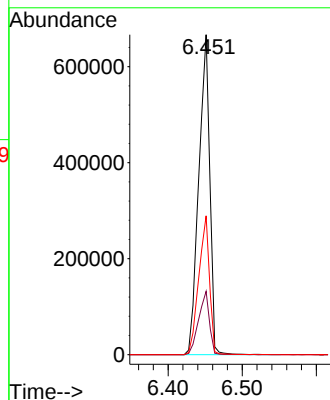
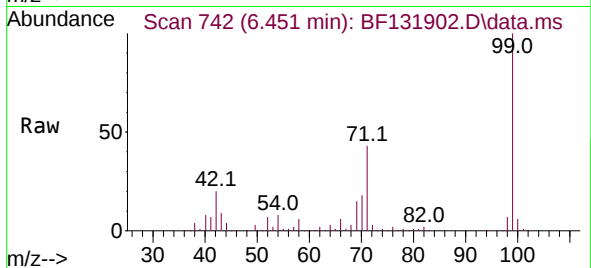




#7
Phenol-d6
Concen: 128.014 ng
RT: 6.451 min Scan# 745
Delta R.T. -0.000 min
Lab File: BF131902.D
Acq: 04 Jan 2023 16:52

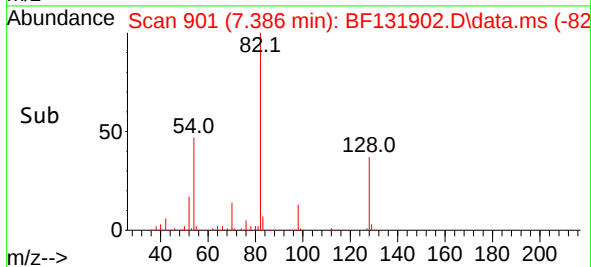
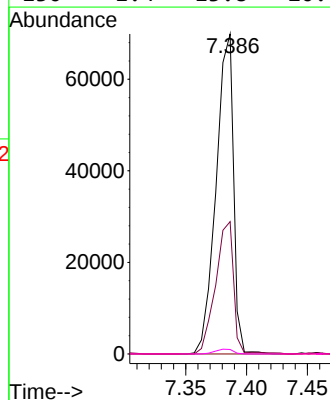
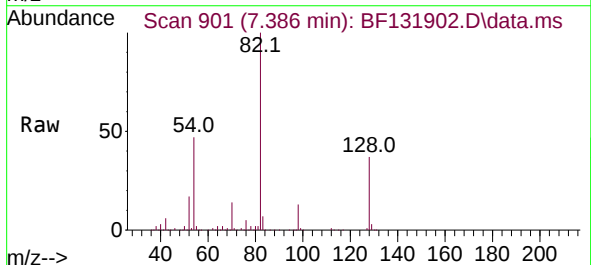
Instrument :
BNA_F
ClientSampleId :
PL-01-10323

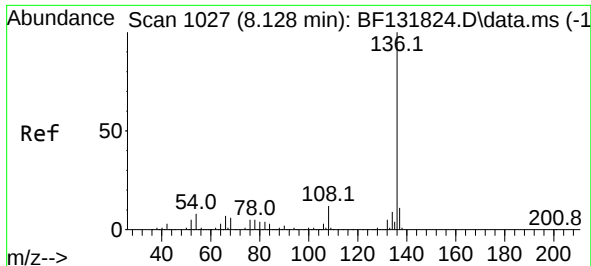
Tgt Ion: 99 Resp: 686460
Ion Ratio Lower Upper
99 100
42 19.8 15.3 22.9
71 43.4 33.5 50.3



#19
n-Nitroso-di-n-propylamine
Concen: 18.367 ng
RT: 7.386 min Scan# 901
Delta R.T. 0.147 min
Lab File: BF131902.D
Acq: 04 Jan 2023 16:52

Tgt Ion: 70 Resp: 69560
Ion Ratio Lower Upper
70 100
42 41.4 43.8 65.6#
101 0.0 7.4 11.0#
130 1.4 13.8 20.6#



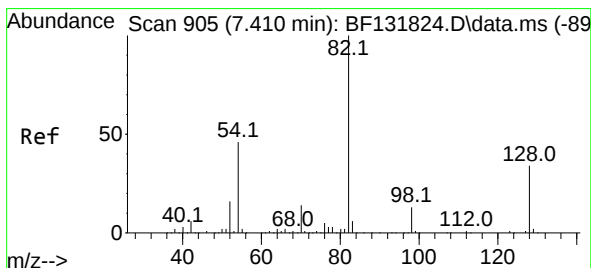
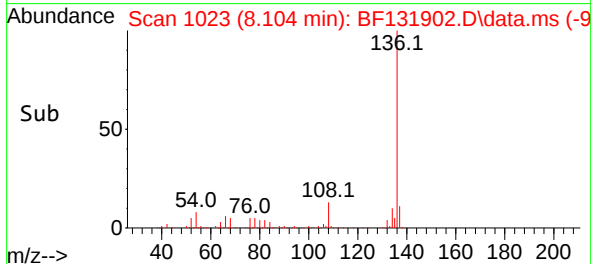
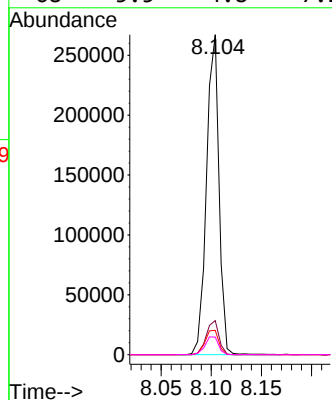
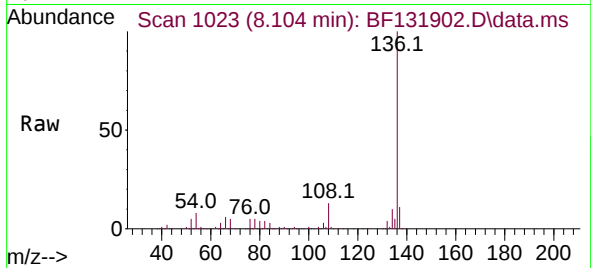


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF131902.D
Acq: 04 Jan 2023 16:52

Instrument :
BNA_F
ClientSampleId :
PL-01-10323

Tgt Ion:136 Resp: 232994

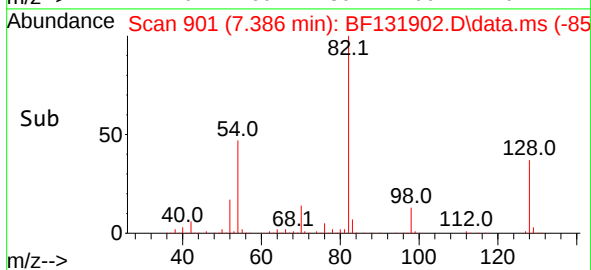
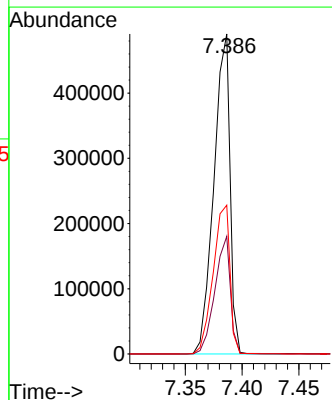
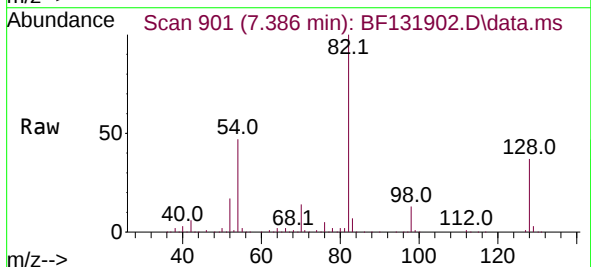
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.6	12.8
54	7.6	6.7	10.1
68	5.5	4.8	7.2

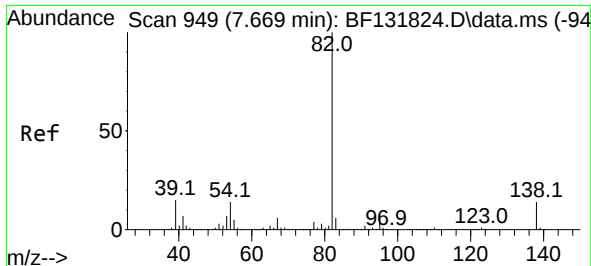


#23
Nitrobenzene-d5
Concen: 82.978 ng
RT: 7.386 min Scan# 901
Delta R.T. -0.006 min
Lab File: BF131902.D
Acq: 04 Jan 2023 16:52

Tgt Ion: 82 Resp: 484236

Ion	Ratio	Lower	Upper
82	100		
128	36.7	27.1	40.7
54	46.5	37.0	55.6

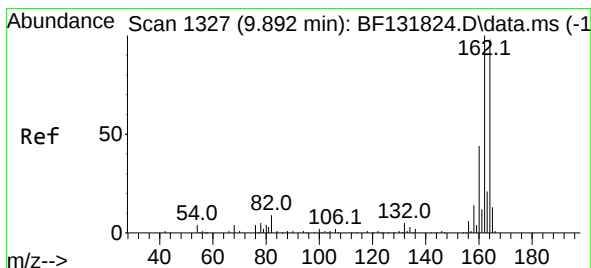
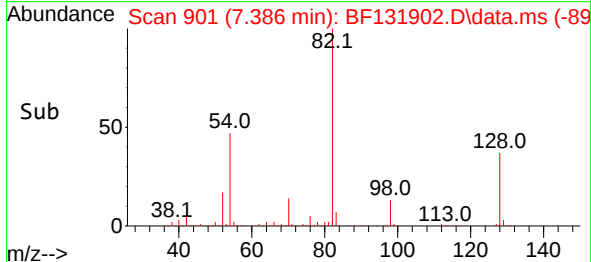
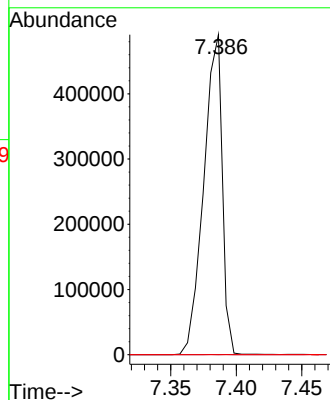
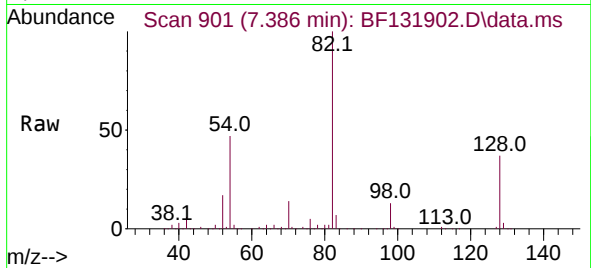




#25
Isophorone
Concen: 50.604 ng
RT: 7.386 min Scan# 901
Delta R.T. -0.265 min
Lab File: BF131902.D
Acq: 04 Jan 2023 16:52

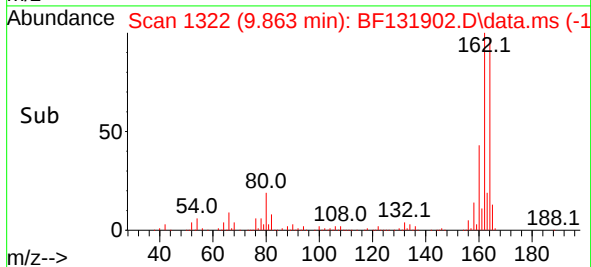
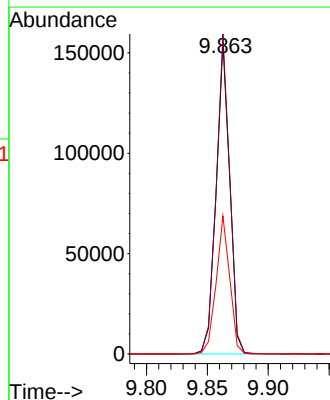
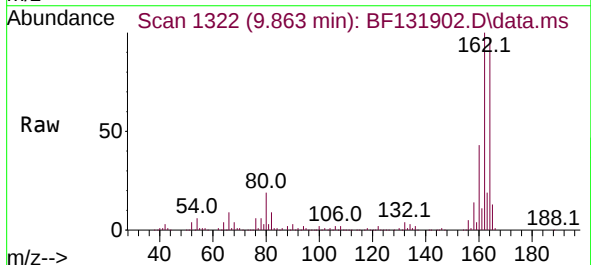
Instrument :
BNA_F
ClientSampleId :
PL-01-10323

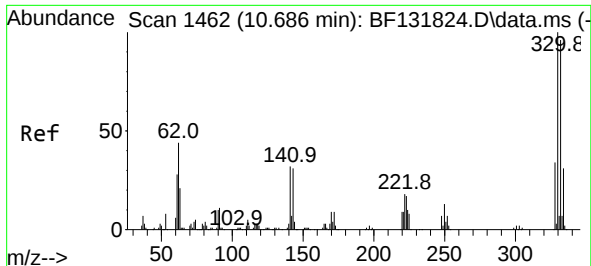
Tgt Ion: 82 Resp: 482268
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.4#
138 0.0 11.5 17.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1322
Delta R.T. -0.012 min
Lab File: BF131902.D
Acq: 04 Jan 2023 16:52

Tgt Ion:164 Resp: 120863
Ion Ratio Lower Upper
164 100
162 102.7 81.8 122.6
160 44.3 35.7 53.5





#42

2,4,6-Tribromophenol

Concen: 117.286 ng

RT: 10.657 min Scan# 1457

Delta R.T. -0.012 min

Lab File: BF131902.D

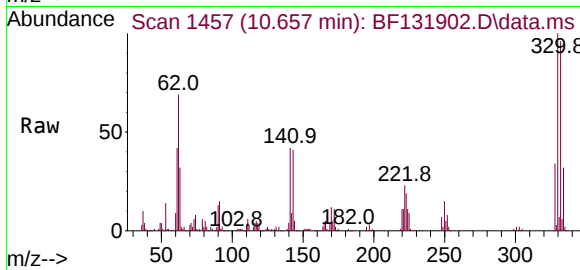
Acq: 04 Jan 2023 16:52

Instrument :

BNA_F

ClientSampleId :

PL-01-10323



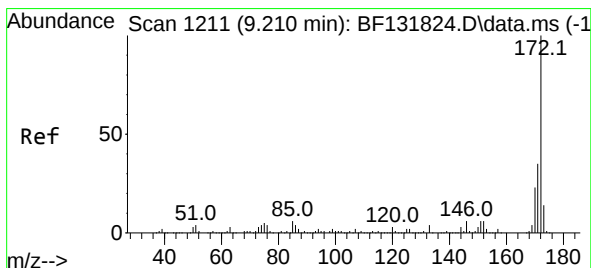
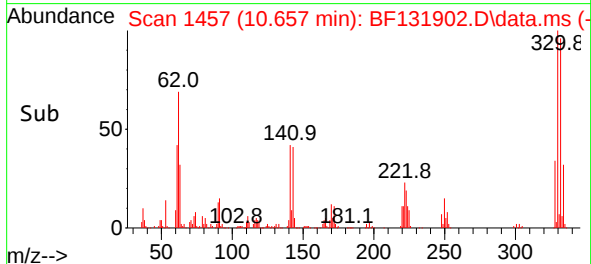
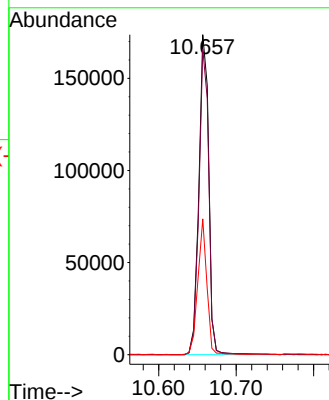
Tgt Ion:330 Resp: 154018

Ion Ratio Lower Upper

330 100

332 95.3 77.0 115.4

141 39.0 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 86.802 ng

RT: 9.186 min Scan# 1207

Delta R.T. -0.006 min

Lab File: BF131902.D

Acq: 04 Jan 2023 16:52

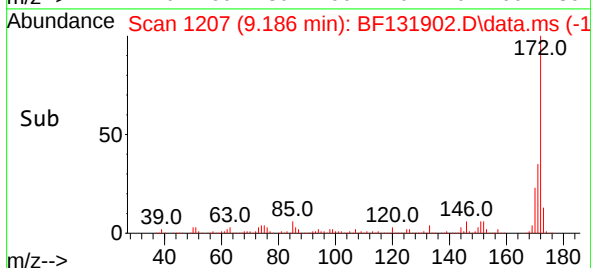
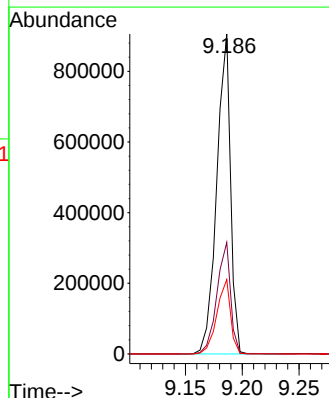
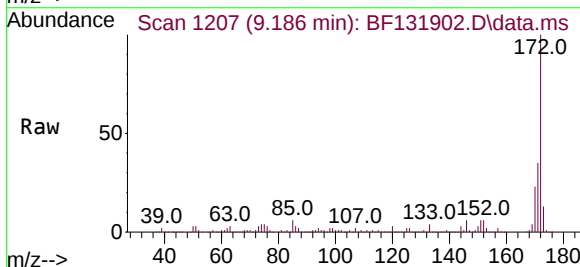
Tgt Ion:172 Resp: 765928

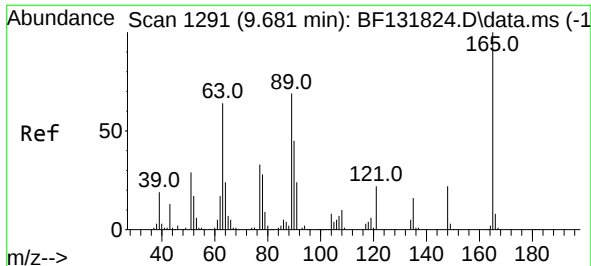
Ion Ratio Lower Upper

172 100

171 34.8 27.9 41.9

170 23.2 18.7 28.1





#51

2,6-Dinitrotoluene

Concen: 7.865 ng

RT: 9.863 min Scan# 1322

Delta R.T. 0.200 min

Lab File: BF131902.D

Acq: 04 Jan 2023 16:52

Instrument :

BNA_F

ClientSampleId :

PL-01-10323

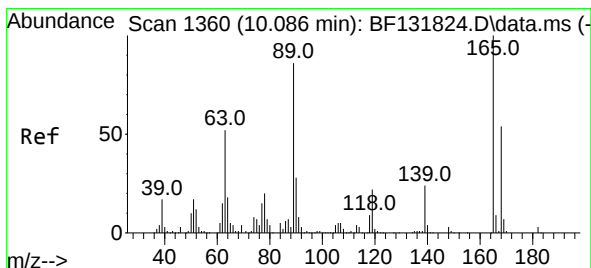
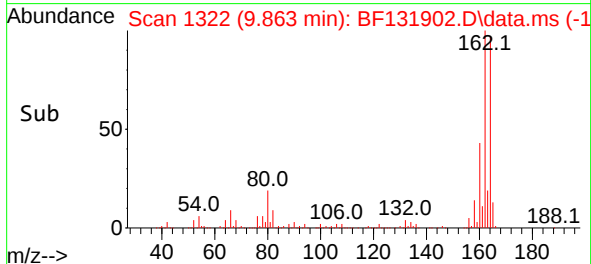
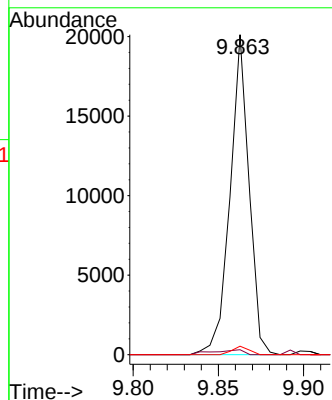
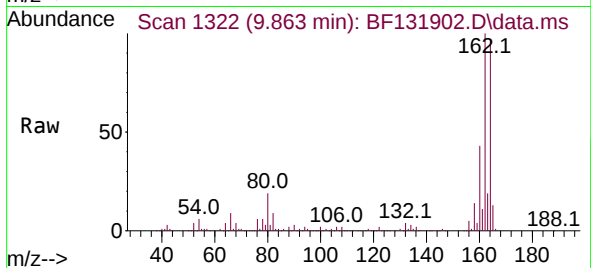
Tgt Ion:165 Resp: 15567

Ion Ratio Lower Upper

165 100

63 1.5 55.1 82.7#

89 2.7 55.0 82.4#



#57

2,4-Dinitrotoluene

Concen: 5.751 ng

RT: 9.863 min Scan# 1322

Delta R.T. -0.206 min

Lab File: BF131902.D

Acq: 04 Jan 2023 16:52

Tgt Ion:165 Resp: 15567

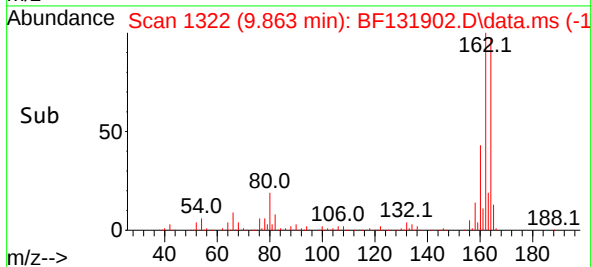
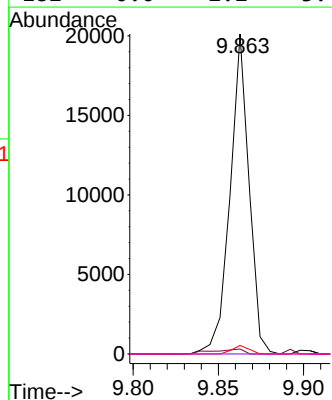
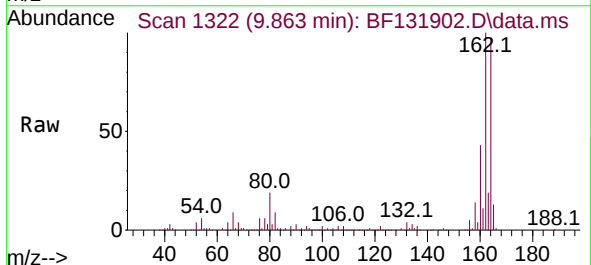
Ion Ratio Lower Upper

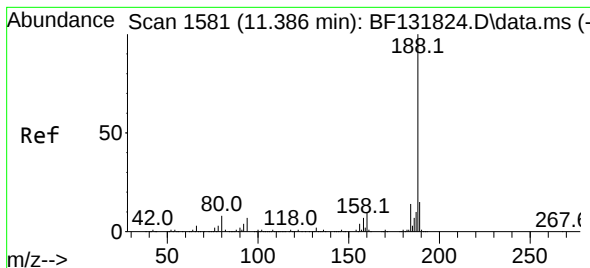
165 100

63 1.5 42.1 63.1#

89 2.7 69.1 103.7#

182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.357 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF131902.D

Acq: 04 Jan 2023 16:52

Instrument :

BNA_F

ClientSampleId :

PL-01-10323

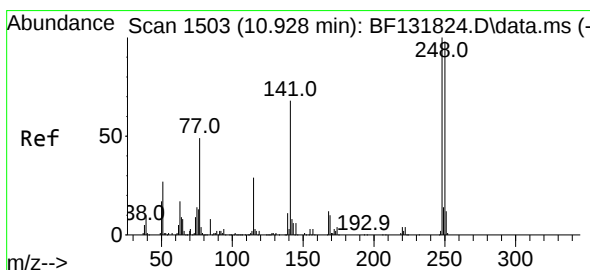
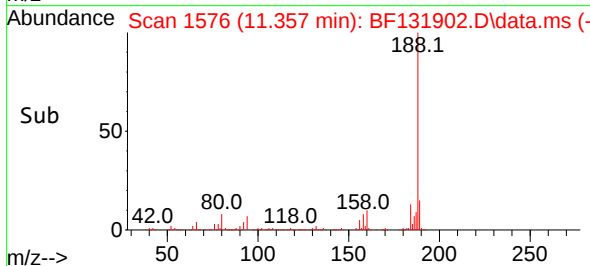
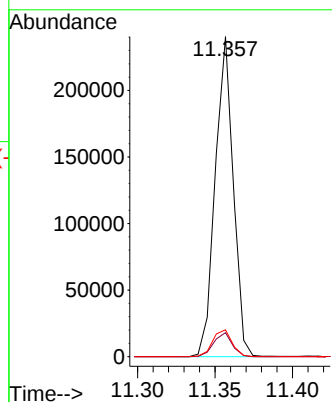
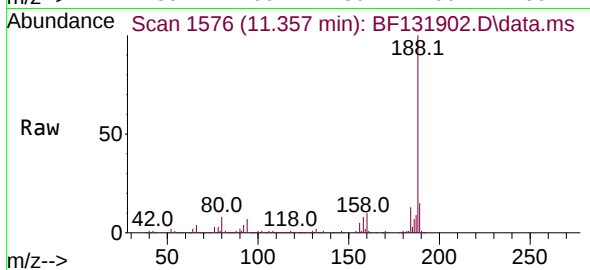
Tgt Ion:188 Resp: 194709

Ion Ratio Lower Upper

188 100

94 7.5 5.8 8.6

80 8.4 6.7 10.1



#67

4-Bromophenyl-phenylether

Concen: 4.604 ng

RT: 10.657 min Scan# 1457

Delta R.T. -0.247 min

Lab File: BF131902.D

Acq: 04 Jan 2023 16:52

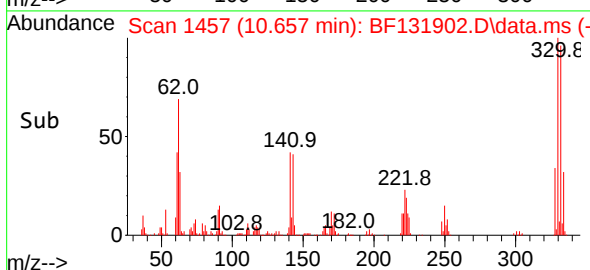
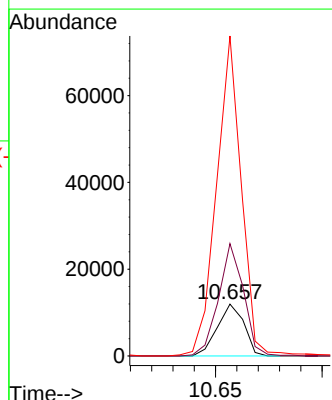
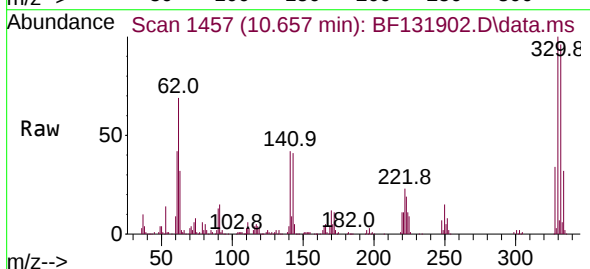
Tgt Ion:248 Resp: 10389

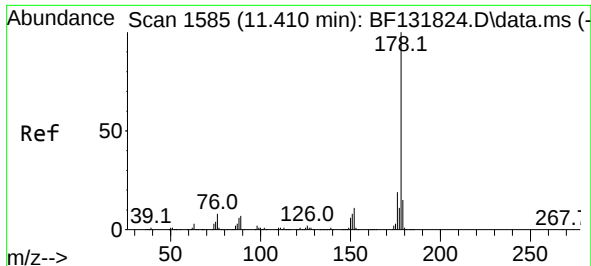
Ion Ratio Lower Upper

248 100

250 216.5 78.0 117.0#

141 616.4 54.8 82.2#

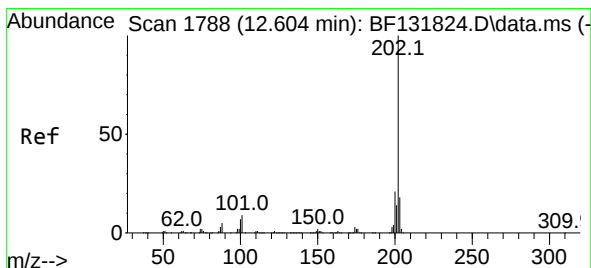
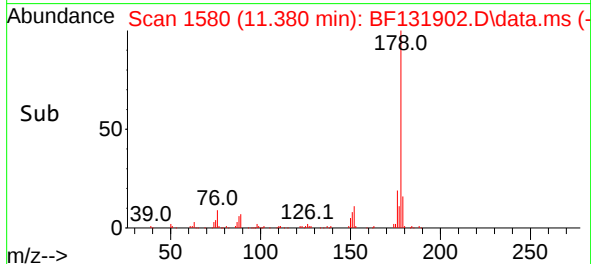
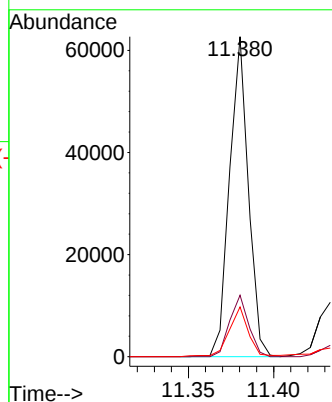
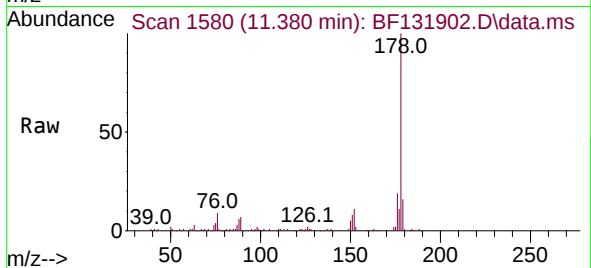




#71
Phenanthrene
Concen: 4.488 ng
RT: 11.380 min Scan# 11380
Delta R.T. -0.012 min
Lab File: BF131902.D
Acq: 04 Jan 2023 16:52

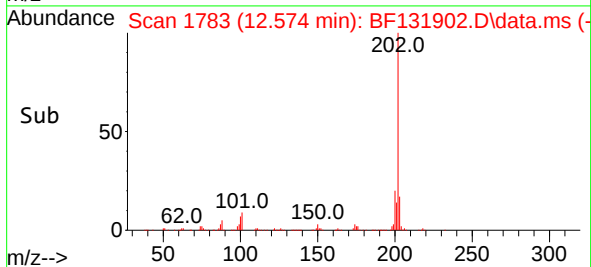
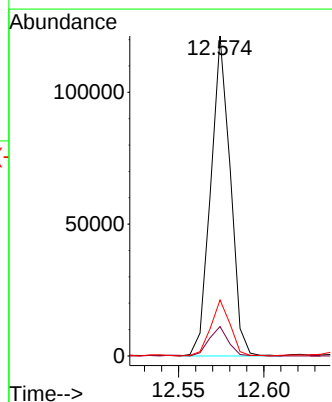
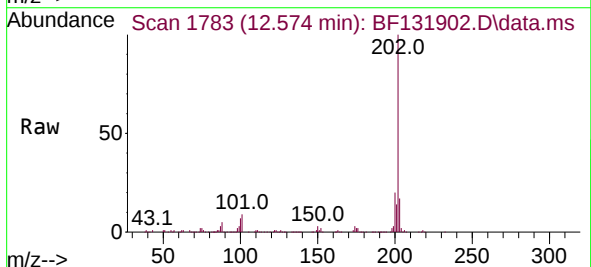
Instrument :
BNA_F
ClientSampleId :
PL-01-10323

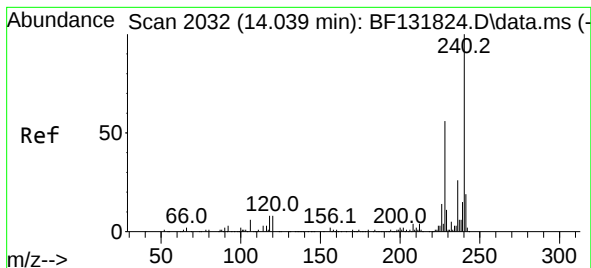
Tgt Ion:178 Resp: 48059
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 15.5 12.2 18.4



#75
Fluoranthene
Concen: 7.756 ng
RT: 12.574 min Scan# 1783
Delta R.T. -0.006 min
Lab File: BF131902.D
Acq: 04 Jan 2023 16:52

Tgt Ion:202 Resp: 96733
Ion Ratio Lower Upper
202 100
101 9.2 0.0 28.6
203 17.5 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.009 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF131902.D

Acq: 04 Jan 2023 16:52

Instrument :

BNA_F

ClientSampleId :

PL-01-10323

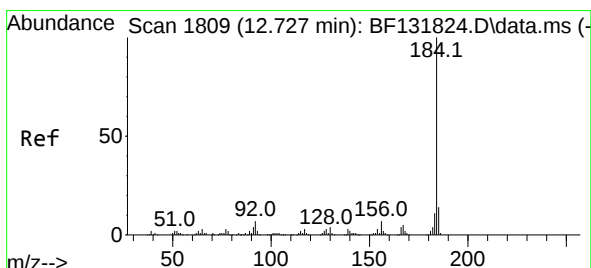
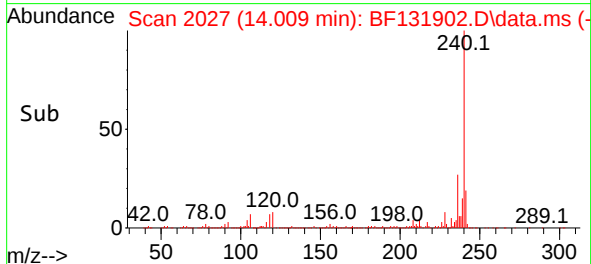
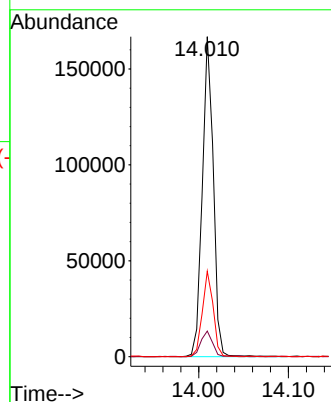
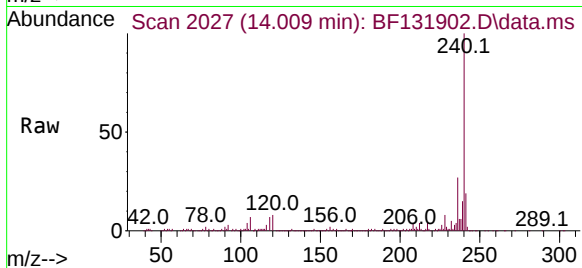
Tgt Ion:240 Resp: 142061

Ion Ratio Lower Upper

240 100

120 8.0 6.7 10.1

236 26.7 20.6 31.0



#77

Benzidine

Concen: 3.781 ng

RT: 12.951 min Scan# 1847

Delta R.T. 0.241 min

Lab File: BF131902.D

Acq: 04 Jan 2023 16:52

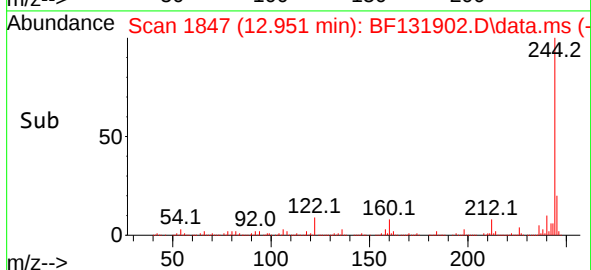
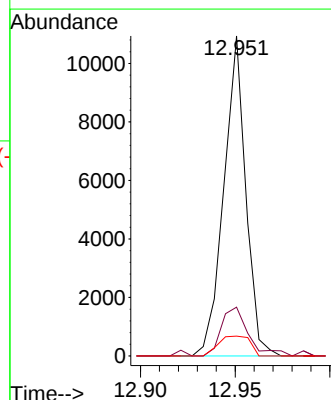
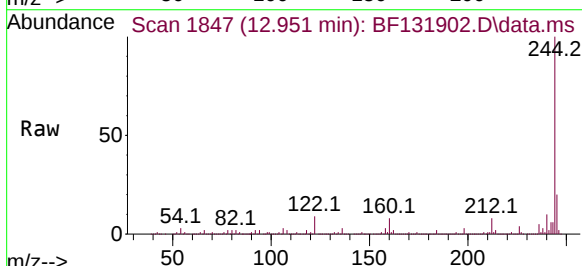
Tgt Ion:184 Resp: 8826

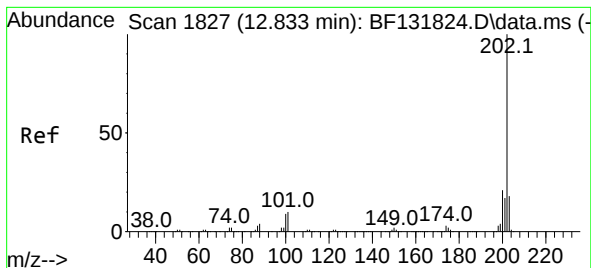
Ion Ratio Lower Upper

184 100

185 15.3 11.6 17.4

183 6.2 9.0 13.4#





#78

Pyrene

Concen: 7.826 ng

RT: 12.804 min Scan# 1822

Delta R.T. -0.012 min

Lab File: BF131902.D

Acq: 04 Jan 2023 16:52

Instrument :

BNA_F

ClientSampleId :

PL-01-10323

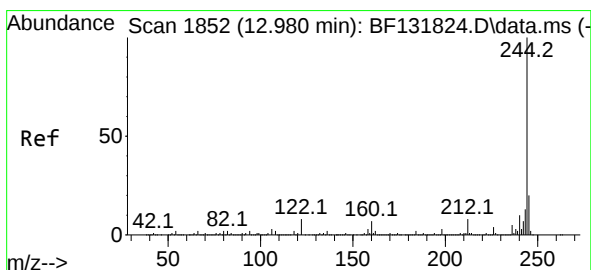
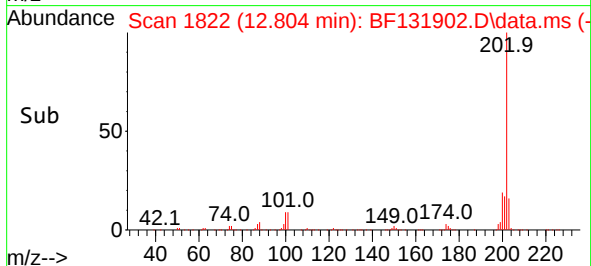
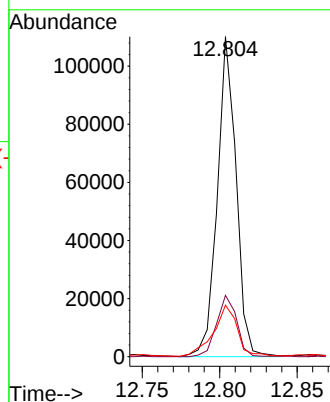
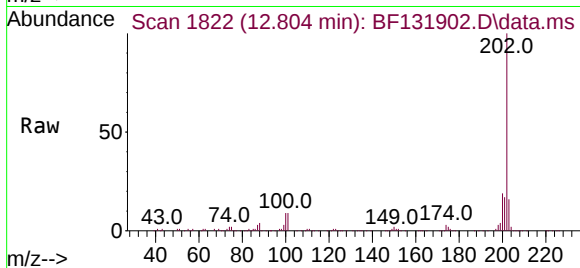
Tgt Ion:202 Resp: 93179

Ion Ratio Lower Upper

202 100

200 19.1 16.7 25.1

203 16.1 14.4 21.6



#79

Terphenyl-d14

Concen: 67.467 ng

RT: 12.951 min Scan# 1847

Delta R.T. -0.006 min

Lab File: BF131902.D

Acq: 04 Jan 2023 16:52

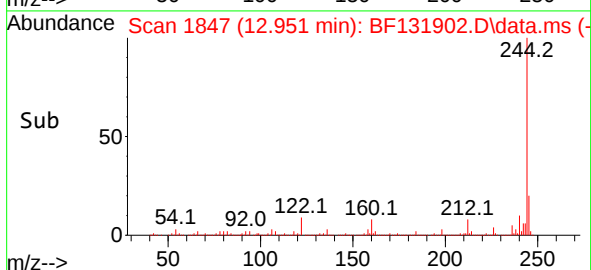
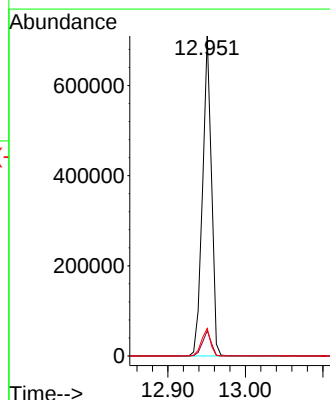
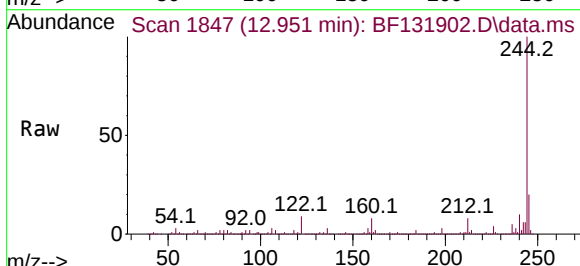
Tgt Ion:244 Resp: 566614

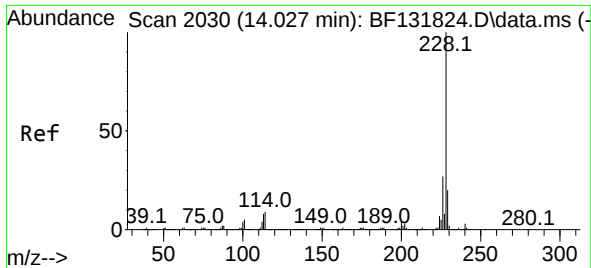
Ion Ratio Lower Upper

244 100

212 7.9 6.3 9.5

122 8.6 6.4 9.6

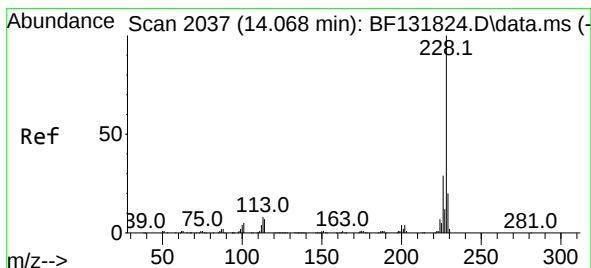
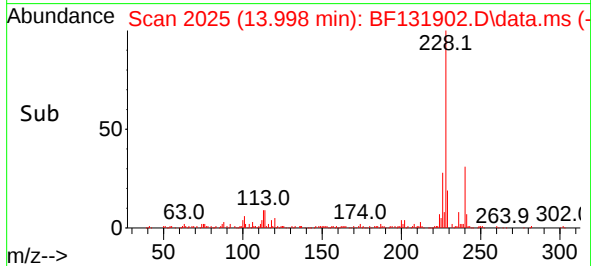
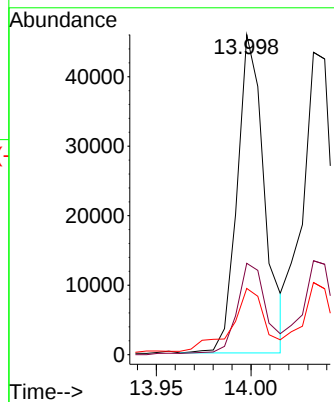
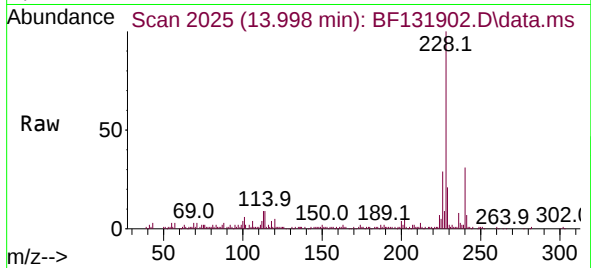




#81
Benzo(a)anthracene
Concen: 4.459 ng
RT: 13.998 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF131902.D
Acq: 04 Jan 2023 16:52

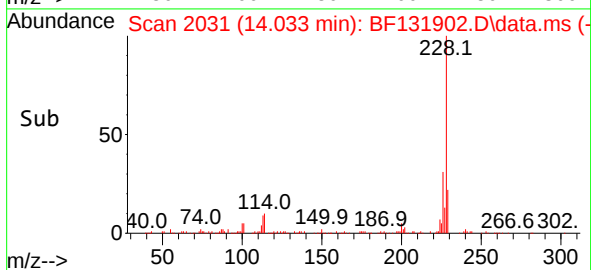
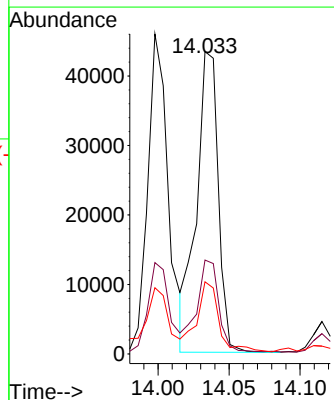
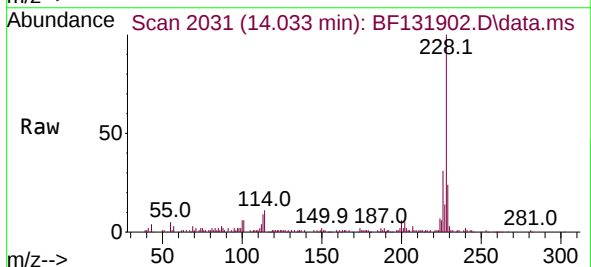
Instrument :
BNA_F
ClientSampleId :
PL-01-10323

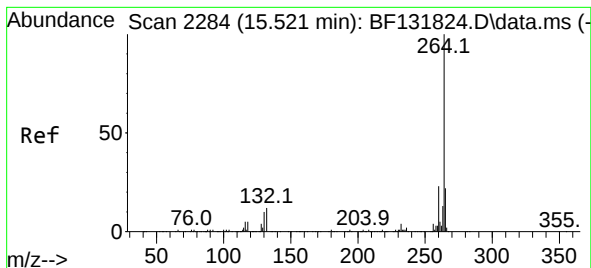
Tgt Ion:228 Resp: 45867
Ion Ratio Lower Upper
228 100
226 28.5 22.0 33.0
229 20.7 16.0 24.0



#83
Chrysene
Concen: 4.794 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.012 min
Lab File: BF131902.D
Acq: 04 Jan 2023 16:52

Tgt Ion:228 Resp: 46338
Ion Ratio Lower Upper
228 100
226 31.0 23.5 35.3
229 23.9 16.2 24.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.492 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF131902.D

Acq: 04 Jan 2023 16:52

Instrument :

BNA_F

ClientSampleId :

PL-01-10323

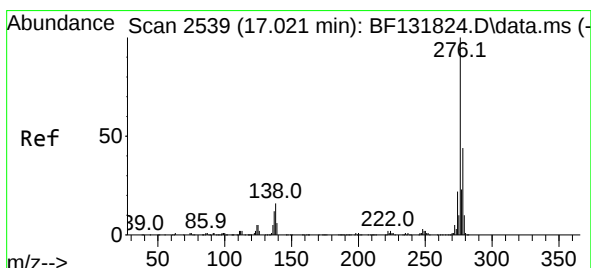
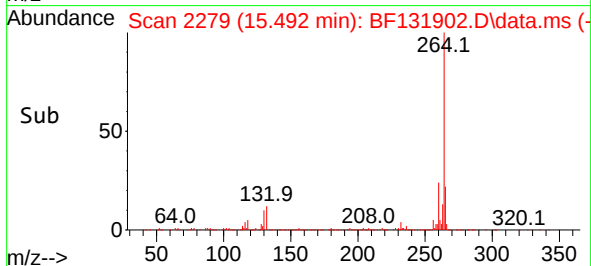
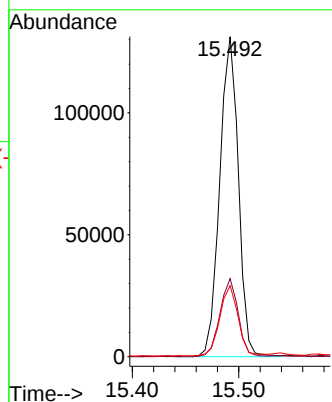
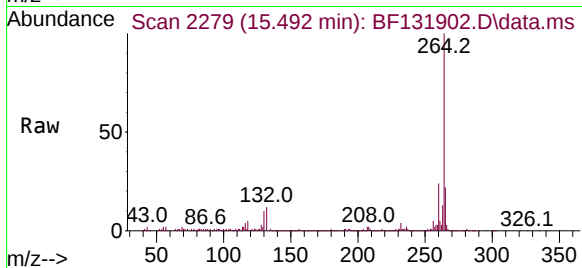
Tgt Ion:264 Resp: 158907

Ion Ratio Lower Upper

264 100

260 24.4 18.6 28.0

265 22.2 17.4 26.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.534 ng

RT: 16.968 min Scan# 2530

Delta R.T. -0.012 min

Lab File: BF131902.D

Acq: 04 Jan 2023 16:52

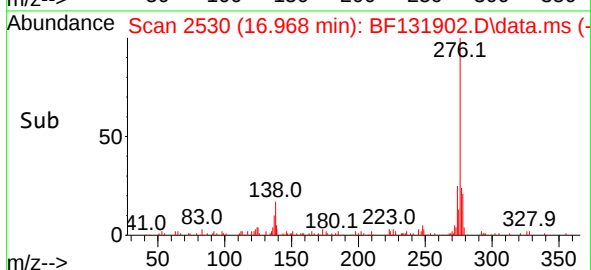
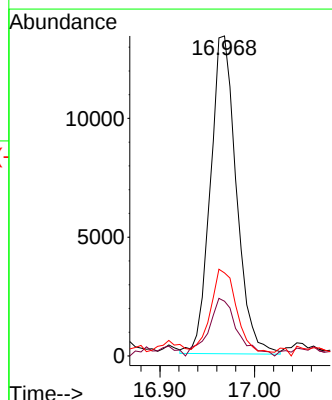
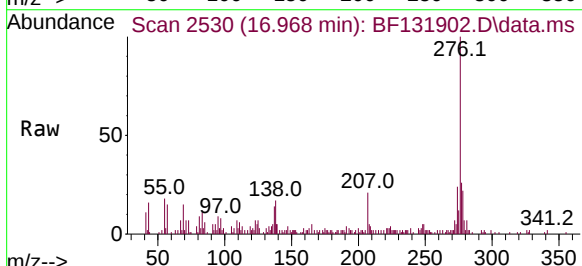
Tgt Ion:276 Resp: 25585

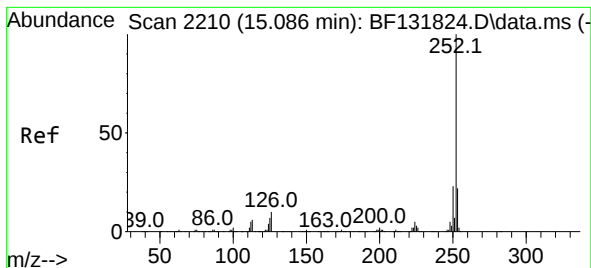
Ion Ratio Lower Upper

276 100

138 19.7 14.5 21.7

277 25.9 19.7 29.5





#88

Benzo(b)fluoranthene

Concen: 7.029 ng

RT: 15.056 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF131902.D

Acq: 04 Jan 2023 16:52

Instrument :

BNA_F

ClientSampleId :

PL-01-10323

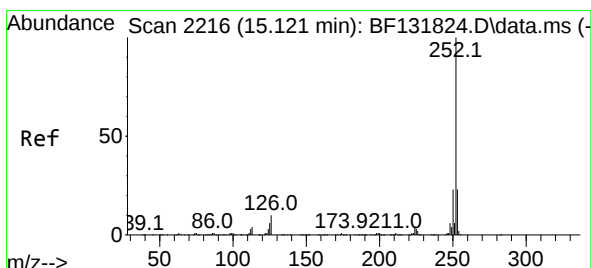
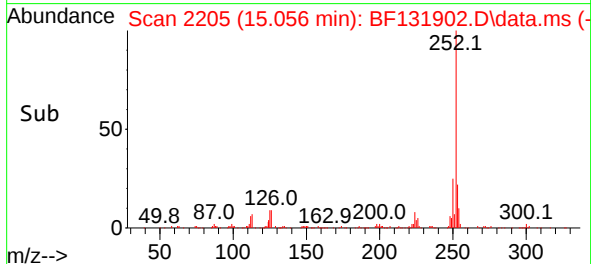
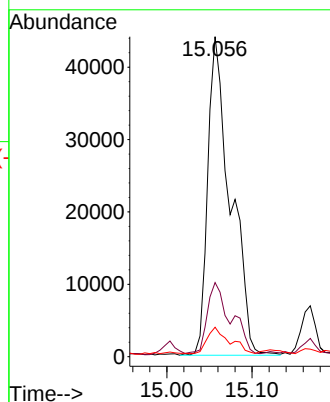
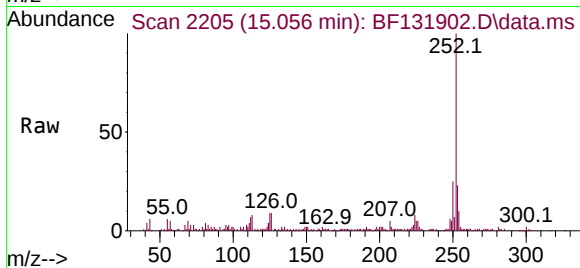
Tgt Ion:252 Resp: 81898

Ion Ratio Lower Upper

252 100

253 23.1 17.6 26.4

125 9.2 5.8 8.8#



#89

Benzo(k)fluoranthene

Concen: 7.275 ng

RT: 15.056 min Scan# 2205

Delta R.T. -0.036 min

Lab File: BF131902.D

Acq: 04 Jan 2023 16:52

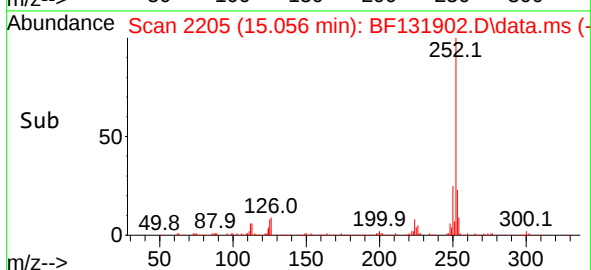
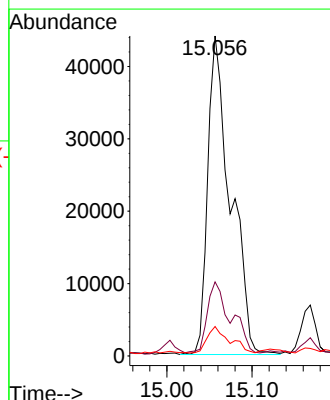
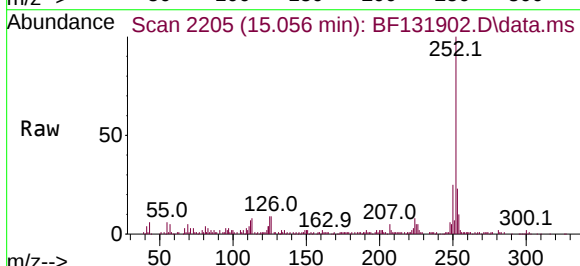
Tgt Ion:252 Resp: 81898

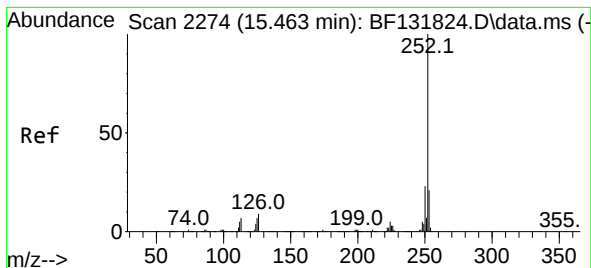
Ion Ratio Lower Upper

252 100

253 23.1 17.7 26.5

125 9.2 5.4 8.0#





#90

Benzo(a)pyrene

Concen: 4.779 ng

RT: 15.427 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF131902.D

Acq: 04 Jan 2023 16:52

Instrument :

BNA_F

ClientSampleId :

PL-01-10323

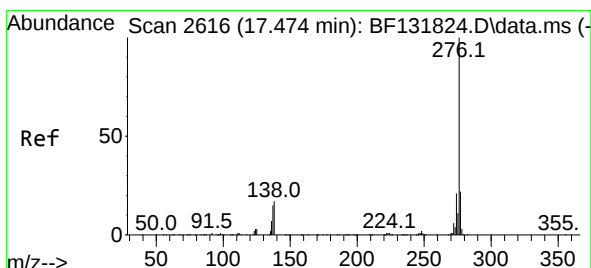
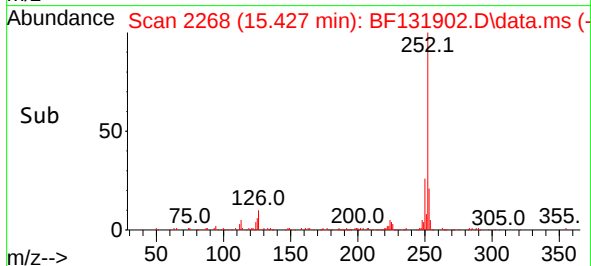
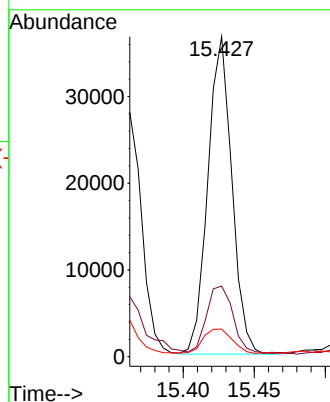
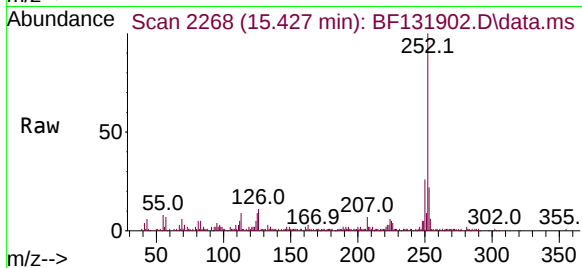
Tgt Ion:252 Resp: 43107

Ion Ratio Lower Upper

252 100

253 22.0 16.6 24.8

125 8.6 5.8 8.8



#92

Benzo(g,h,i)perylene

Concen: 7.408 ng

RT: 17.415 min Scan# 2606

Delta R.T. -0.012 min

Lab File: BF131902.D

Acq: 04 Jan 2023 16:52

Tgt Ion:276 Resp: 23725

Ion Ratio Lower Upper

276 100

277 25.4 17.9 26.9

138 17.5 13.7 20.5

