

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082323\
 Data File : BF134910.D
 Acq On : 23 Aug 2023 18:13
 Operator : CG\JU
 Sample : 04082-05 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11929

Quant Time: Aug 24 04:28:46 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 22 19:33:25 2023
 Response via : Initial Calibration

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

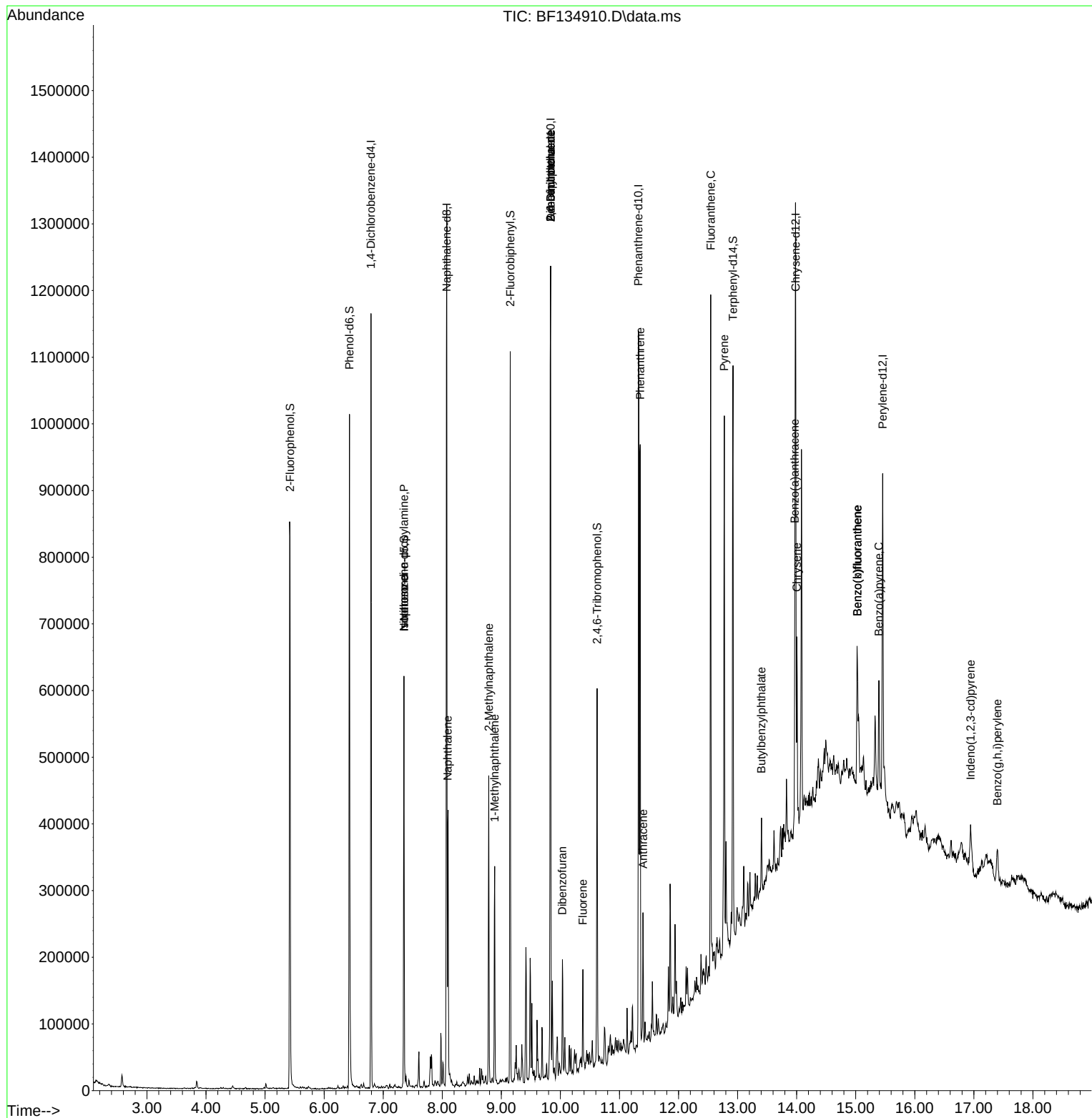
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.793	152	154184	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	565720	20.000	ng	0.00
39) Acenaphthene-d10	9.834	164	238572	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	412716	20.000	ng	0.00
76) Chrysene-d12	13.980	240	277653	20.000	ng	0.00
86) Perylene-d12	15.457	264	221722	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	245856	25.428	ng	0.00
7) Phenol-d6	6.428	99	294525	23.839	ng	-0.01
23) Nitrobenzene-d5	7.351	82	163843	15.959	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	58780	20.920	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	300710	19.485	ng	0.00
79) Terphenyl-d14	12.922	244	284997	14.118	ng	0.00
Target Compounds						
					Qvalue	
19) n-Nitroso-di-n-propyla...	7.351	70	22690	3.145	ng	# 78
20) 3+4-Methylphenols	7.216	107	222	Below Cal		# 2
25) Isophorone	7.351	82	161536	8.426	ng	# 64
31) Naphthalene	8.092	128	82654	2.926	ng	100
37) 2-Methylnaphthalene	8.787	142	109158	5.794	ng	100
38) 1-Methylnaphthalene	8.887	142	80534	4.572	ng	97
50) Dimethylphthalate	9.834	163	48886	2.879	ng	# 1
51) 2,6-Dinitrotoluene	9.834	165	33052	8.825	ng	# 29
55) Dibenzofuran	10.034	168	46012	2.316	ng	# 95
57) 2,4-Dinitrotoluene	9.834	165	33052	7.136	ng	# 25
58) Fluorene	10.381	166	35092	2.329	ng	98
71) Phenanthrene	11.351	178	354462	16.390	ng	98
72) Anthracene	11.398	178	68989	3.113	ng	100
75) Fluoranthene	12.545	202	378330	18.462	ng	98
78) Pyrene	12.775	202	320260	10.879	ng	99
80) Butylbenzylphthalate	13.404	149	21790	2.429	ng	90
81) Benzo(a)anthracene	13.969	228	119193	6.292	ng	95
83) Chrysene	14.004	228	108580	5.809	ng	97
87) Indeno(1,2,3-cd)pyrene	16.945	276	43595	2.751	ng	97
88) Benzo(b)fluoranthene	15.027	252	146205	11.688	ng	# 95
89) Benzo(k)fluoranthene	15.027	252	146205	11.902	ng	# 95
90) Benzo(a)pyrene	15.392	252	77167	6.179	ng	# 94
92) Benzo(g,h,i)perylene	17.398	276	46874	3.571	ng	99

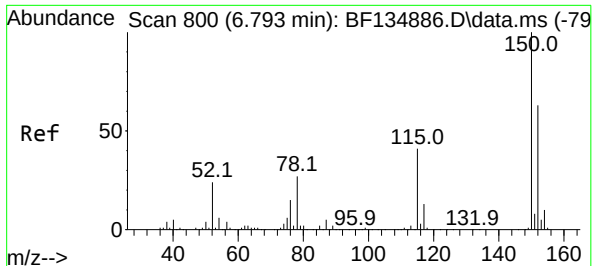
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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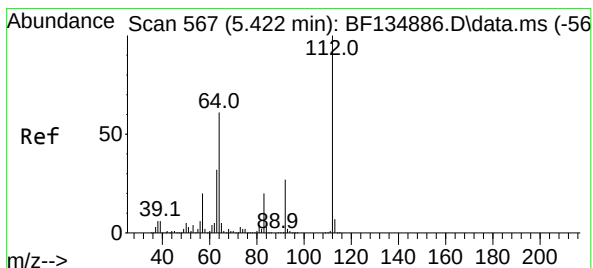
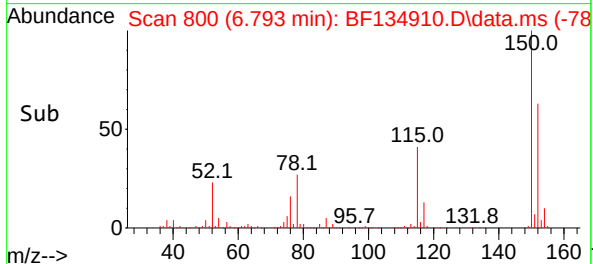
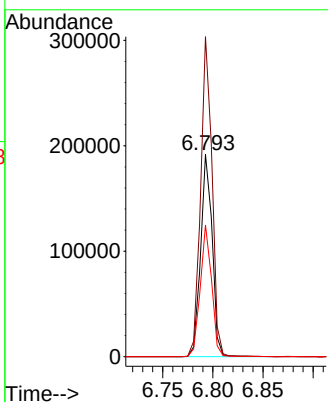
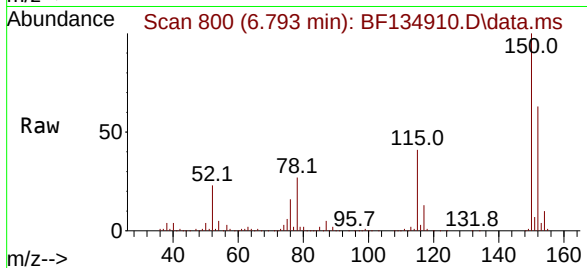




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.793 min Scan# 800
 Delta R.T. -0.000 min
 Lab File: BF134910.D
 Acq: 23 Aug 2023 18:13

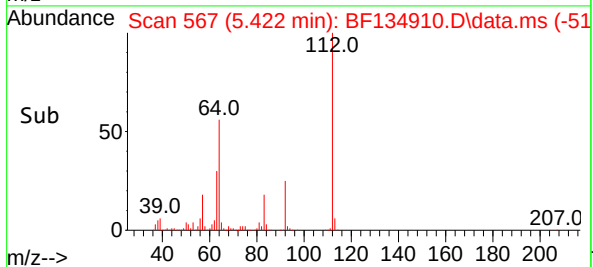
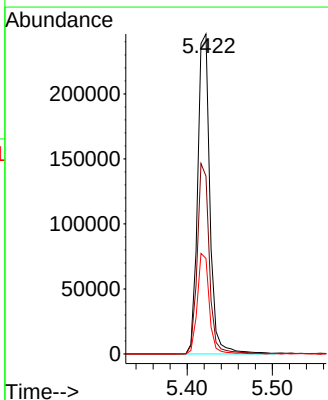
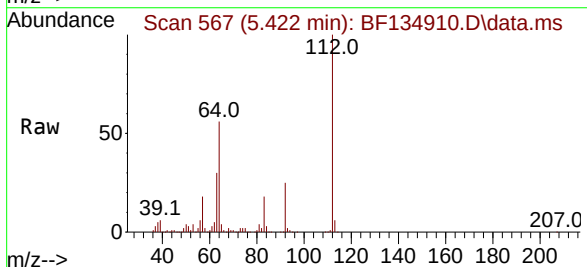
Instrument :
 BNA_F
 ClientSampleId :
 72-11929

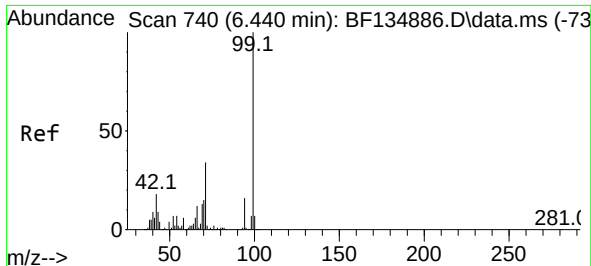
Tgt Ion:152 Resp: 154184
 Ion Ratio Lower Upper
 152 100
 150 158.3 126.1 189.1
 115 65.1 51.1 76.7



#5
 2-Fluorophenol
 Concen: 25.428 ng
 RT: 5.422 min Scan# 567
 Delta R.T. 0.000 min
 Lab File: BF134910.D
 Acq: 23 Aug 2023 18:13

Tgt Ion:112 Resp: 245856
 Ion Ratio Lower Upper
 112 100
 64 55.6 48.6 73.0
 63 29.8 25.7 38.5

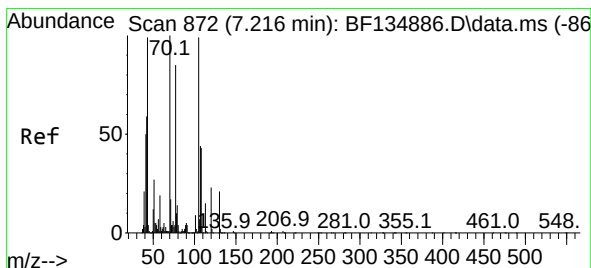
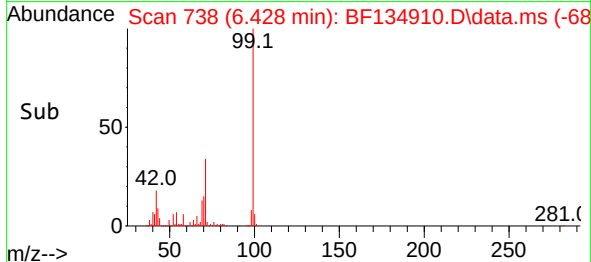
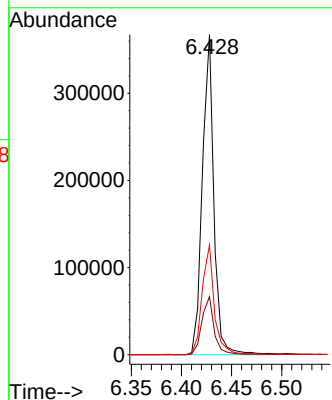
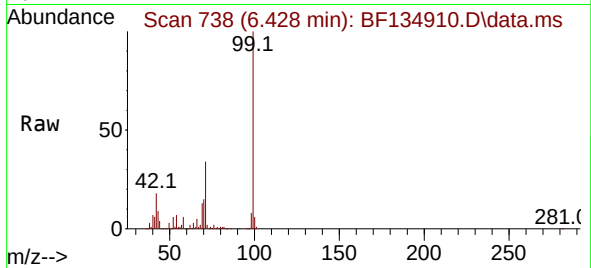




#7
Phenol-d6
Concen: 23.839 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF134910.D
Acq: 23 Aug 2023 18:13

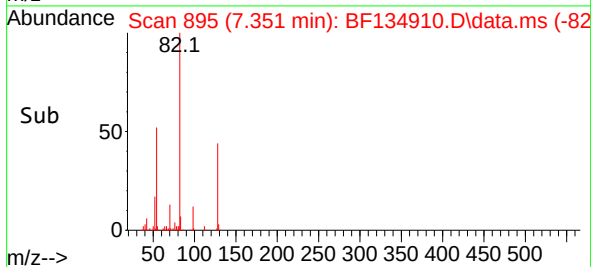
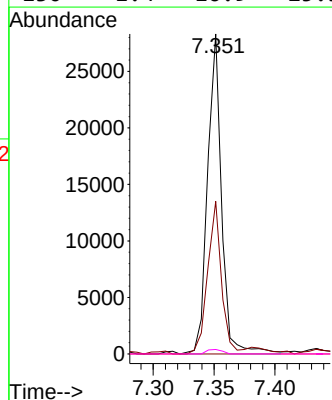
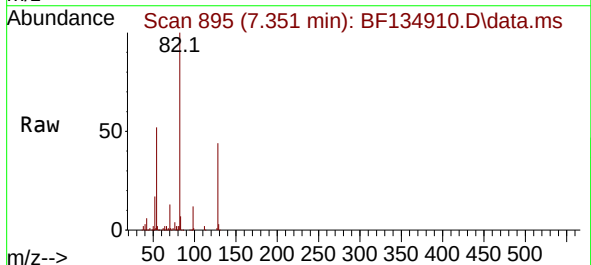
Instrument :
BNA_F
ClientSampleId :
72-11929

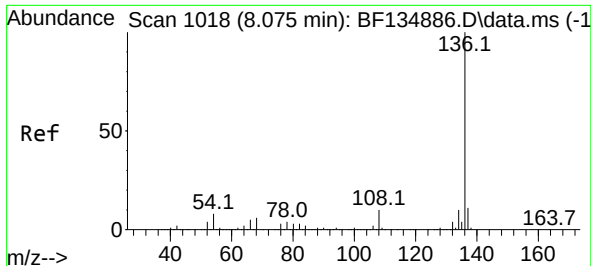
Tgt Ion: 99 Resp: 294525
Ion Ratio Lower Upper
99 100
42 18.1 14.6 22.0
71 34.3 27.6 41.4



#19
n-Nitroso-di-n-propylamine
Concen: 3.145 ng
RT: 7.351 min Scan# 895
Delta R.T. 0.135 min
Lab File: BF134910.D
Acq: 23 Aug 2023 18:13

Tgt Ion: 70 Resp: 22690
Ion Ratio Lower Upper
70 100
42 47.7 46.9 70.3
101 0.0 7.5 11.3#
130 1.4 16.9 25.3#



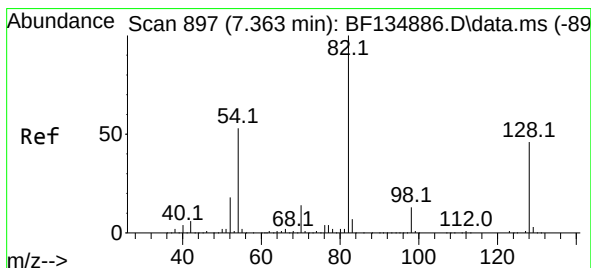
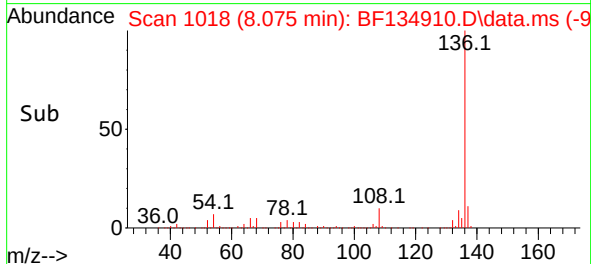
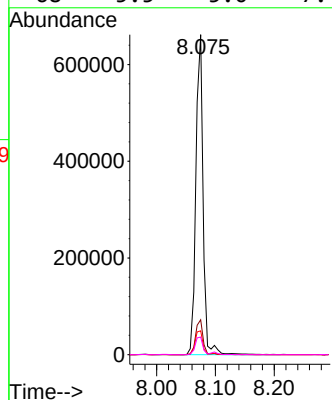
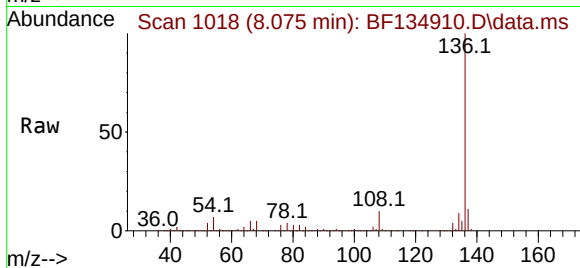


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.000 min
Lab File: BF134910.D
Acq: 23 Aug 2023 18:13

Instrument :
BNA_F
ClientSampleId :
72-11929

Tgt Ion:136 Resp: 565720

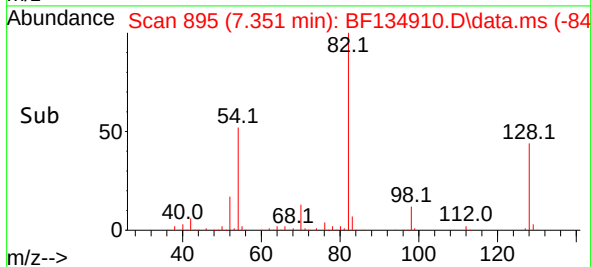
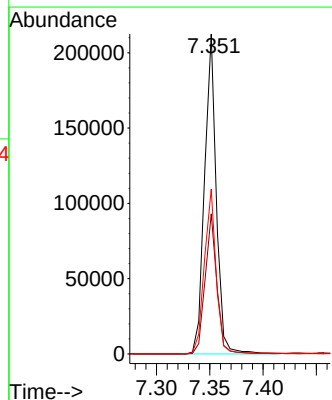
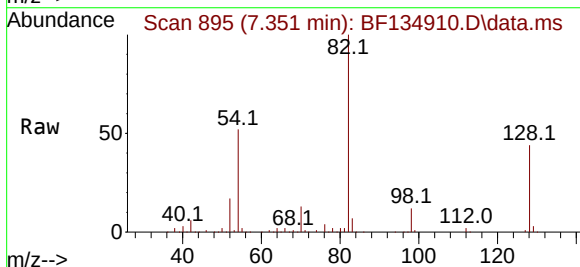
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	7.4	6.6	9.8
68	5.5	5.0	7.4

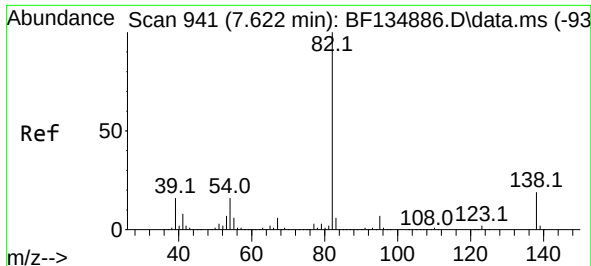


#23
Nitrobenzene-d5
Concen: 15.959 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.012 min
Lab File: BF134910.D
Acq: 23 Aug 2023 18:13

Tgt Ion: 82 Resp: 163843

Ion	Ratio	Lower	Upper
82	100		
128	43.8	36.6	54.8
54	51.5	42.6	63.8

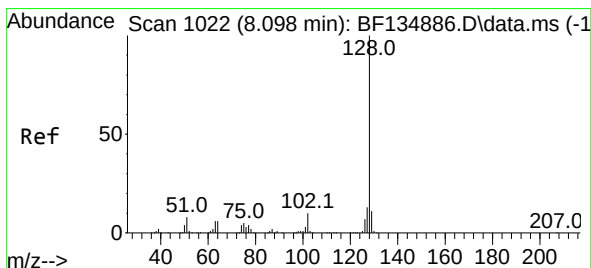
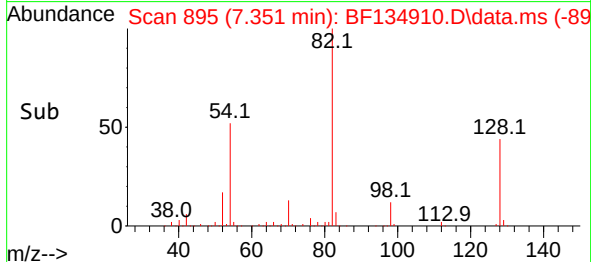
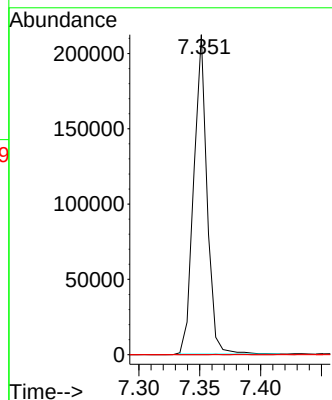
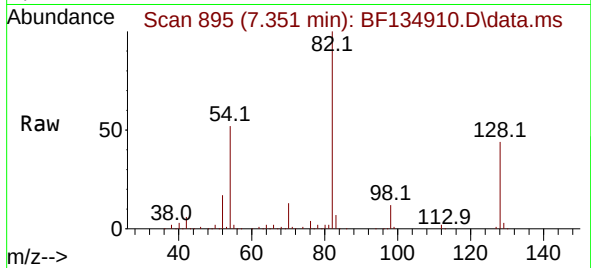




#25
Isophorone
Concen: 8.426 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.271 min
Lab File: BF134910.D
Acq: 23 Aug 2023 18:13

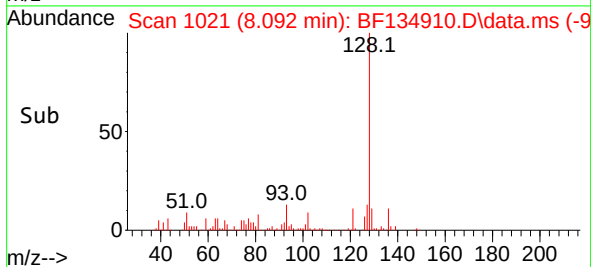
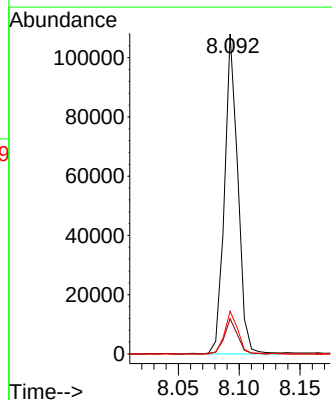
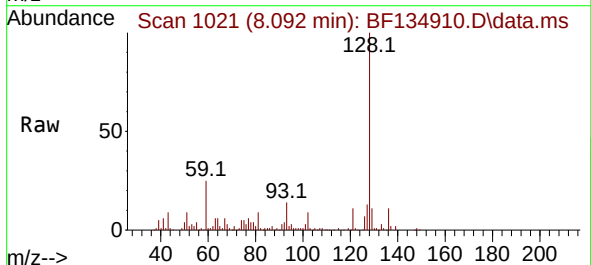
Instrument :
BNA_F
ClientSampleId :
72-11929

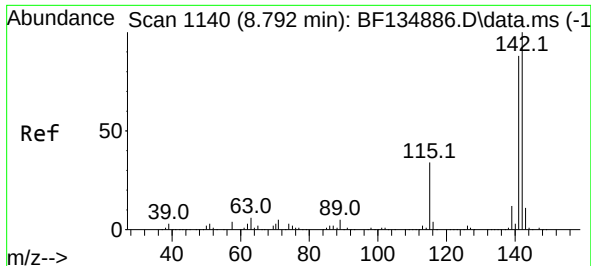
Tgt Ion: 82 Resp: 161536
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 14.9 22.3#



#31
Naphthalene
Concen: 2.926 ng
RT: 8.092 min Scan# 1021
Delta R.T. -0.006 min
Lab File: BF134910.D
Acq: 23 Aug 2023 18:13

Tgt Ion: 128 Resp: 82654
Ion Ratio Lower Upper
128 100
129 11.0 9.0 13.4
127 13.4 10.6 16.0





#37

2-Methylnaphthalene

Concen: 5.794 ng

RT: 8.787 min Scan# 1139

Delta R.T. -0.006 min

Lab File: BF134910.D

Acq: 23 Aug 2023 18:13

Instrument :

BNA_F

ClientSampleId :

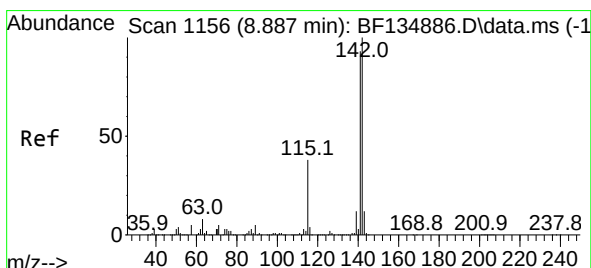
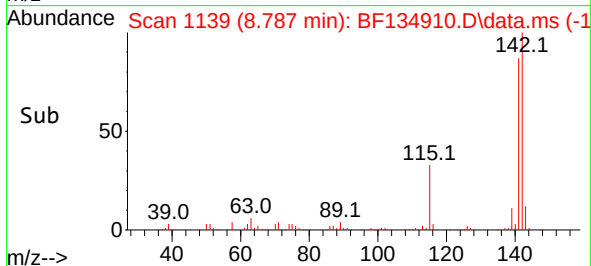
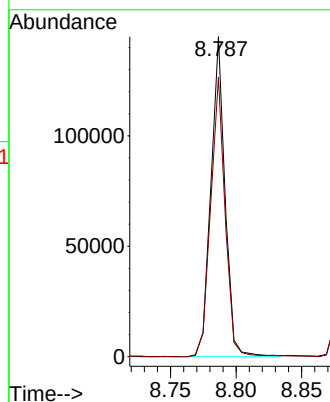
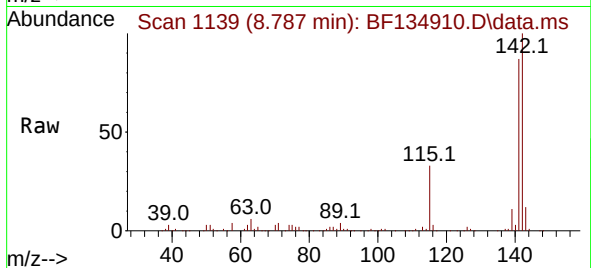
72-11929

Tgt Ion:142 Resp: 109158

Ion Ratio Lower Upper

142 100

141 87.4 70.2 105.2



#38

1-Methylnaphthalene

Concen: 4.572 ng

RT: 8.887 min Scan# 1156

Delta R.T. 0.000 min

Lab File: BF134910.D

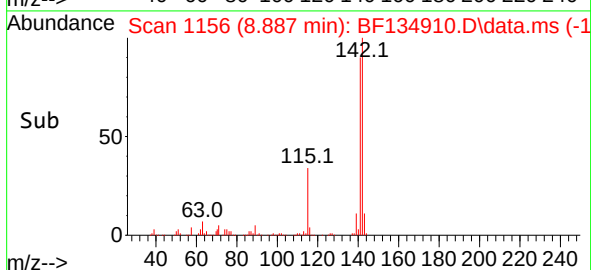
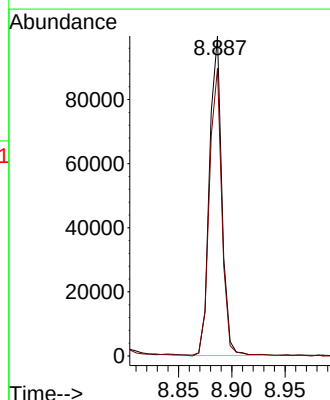
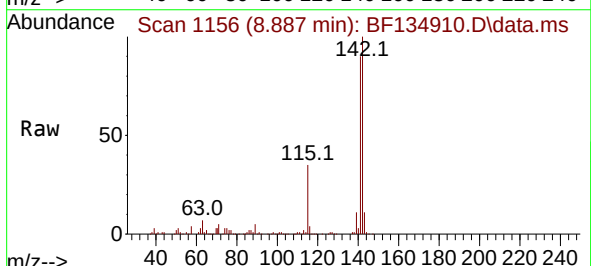
Acq: 23 Aug 2023 18:13

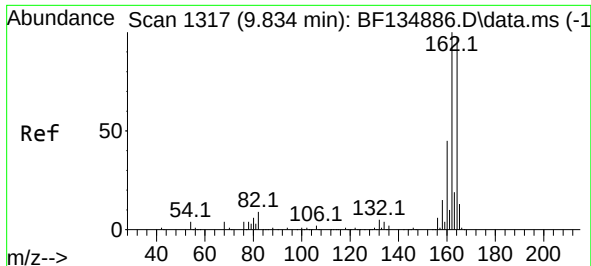
Tgt Ion:142 Resp: 80534

Ion Ratio Lower Upper

142 100

141 89.9 74.1 111.1

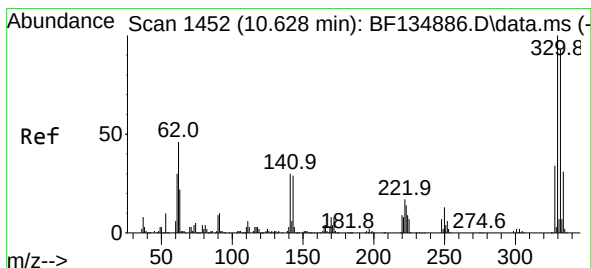
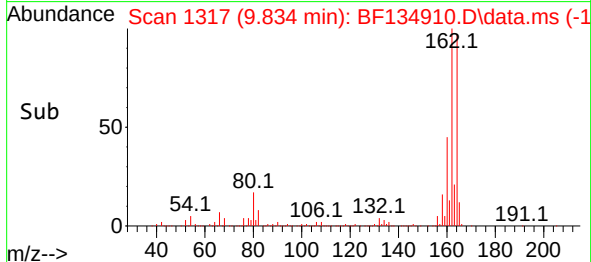
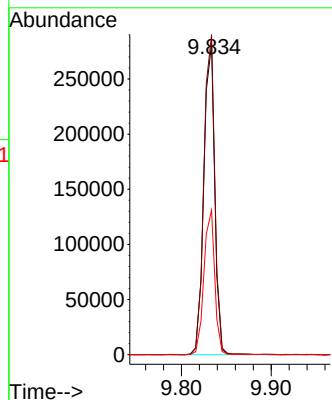
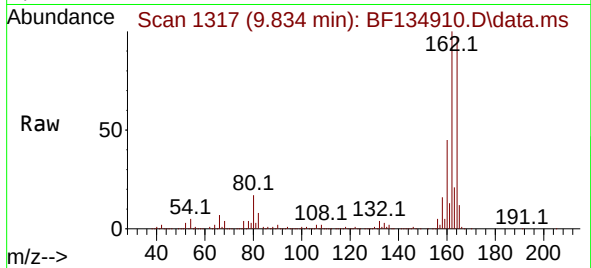




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.834 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF134910.D
Acq: 23 Aug 2023 18:13

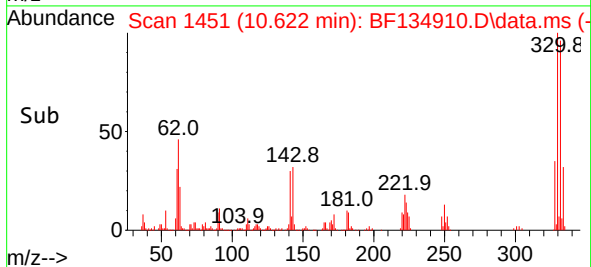
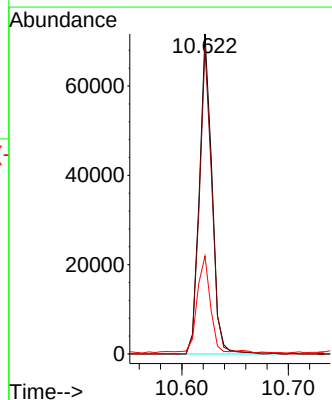
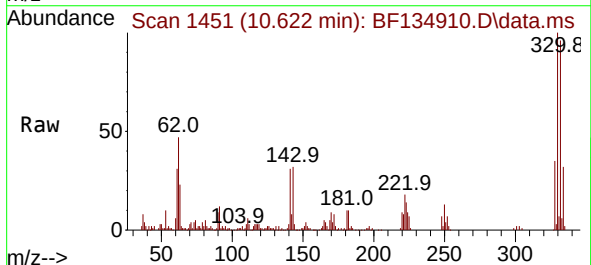
Instrument :
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72-11929

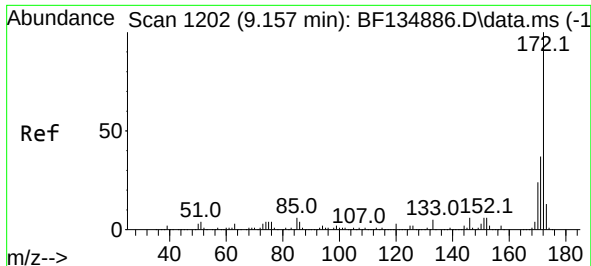
Tgt Ion:164 Resp: 238572
Ion Ratio Lower Upper
164 100
162 102.9 82.6 123.8
160 46.4 37.0 55.4



#42
2,4,6-Tribromophenol
Concen: 20.920 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF134910.D
Acq: 23 Aug 2023 18:13

Tgt Ion:330 Resp: 58780
Ion Ratio Lower Upper
330 100
332 94.7 76.3 114.5
141 32.6 23.4 35.2





#45

2-Fluorobiphenyl

Concen: 19.485 ng

RT: 9.151 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF134910.D

Acq: 23 Aug 2023 18:13

Instrument :

BNA_F

ClientSampleId :

72-11929

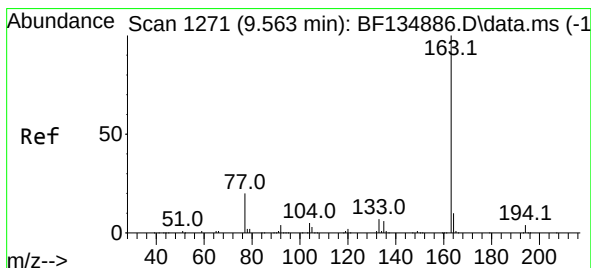
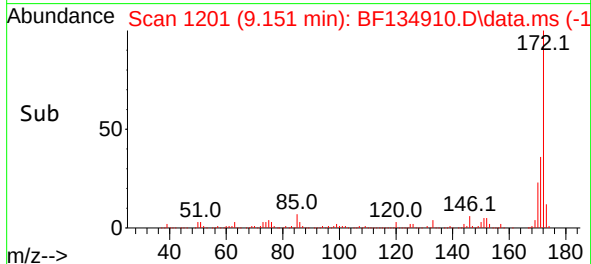
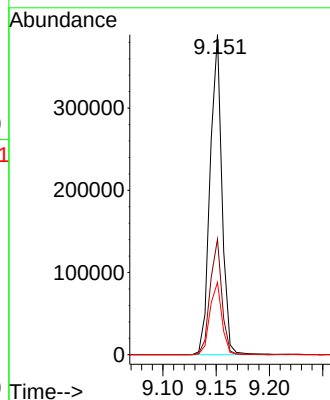
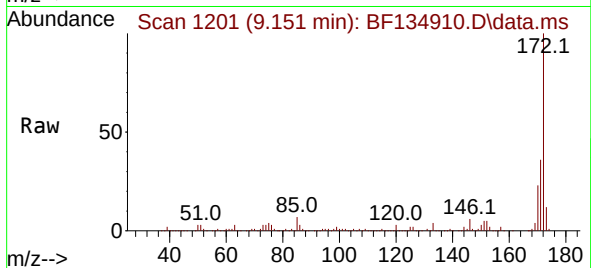
Tgt Ion:172 Resp: 300710

Ion Ratio Lower Upper

172 100

171 36.1 29.4 44.0

170 22.6 19.6 29.4



#50

Dimethylphthalate

Concen: 2.879 ng

RT: 9.834 min Scan# 1317

Delta R.T. 0.271 min

Lab File: BF134910.D

Acq: 23 Aug 2023 18:13

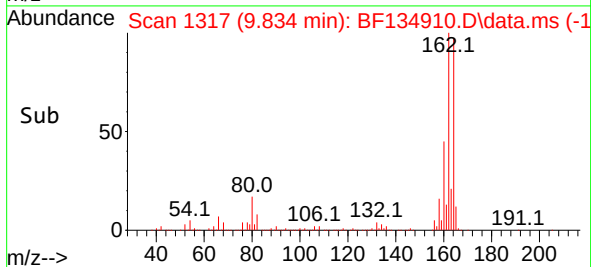
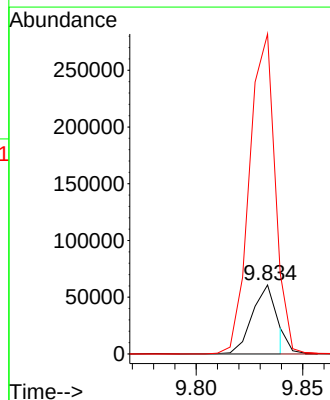
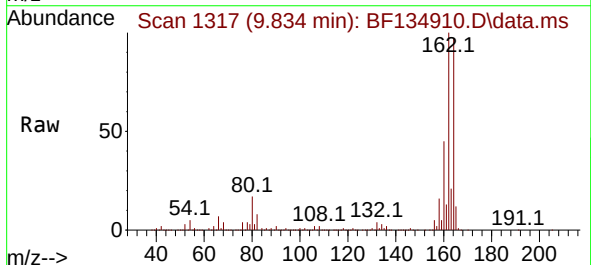
Tgt Ion:163 Resp: 48886

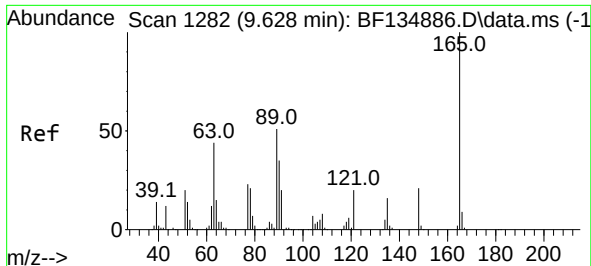
Ion Ratio Lower Upper

163 100

194 0.0 3.2 4.8#

164 463.9 8.2 12.4#

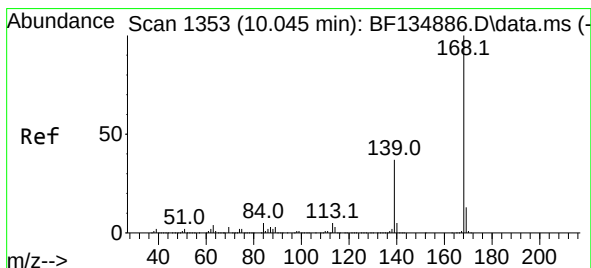
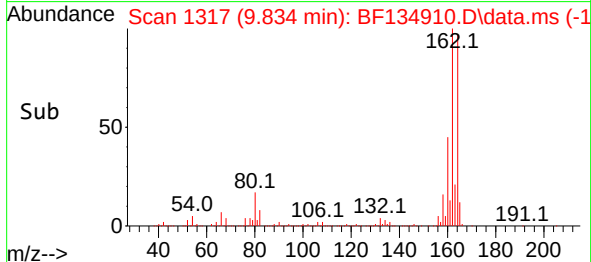
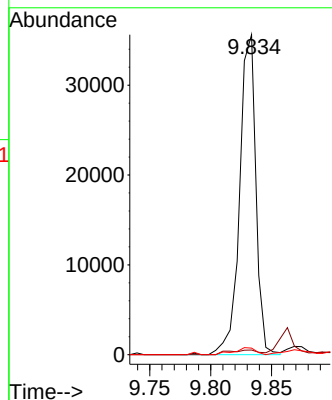
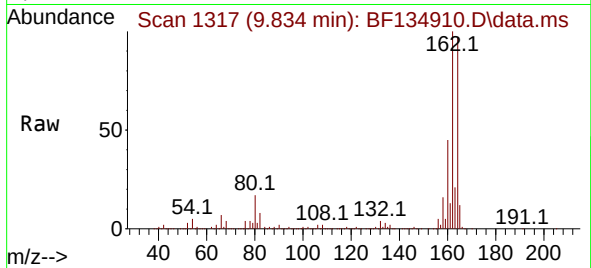




#51
2,6-Dinitrotoluene
Concen: 8.825 ng
RT: 9.834 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF134910.D
Acq: 23 Aug 2023 18:13

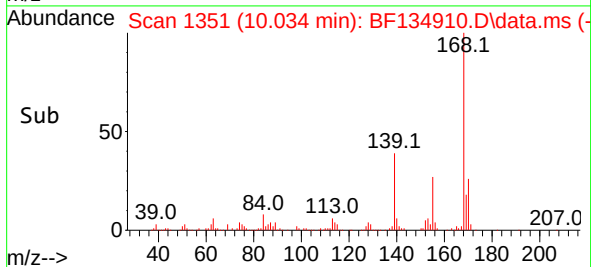
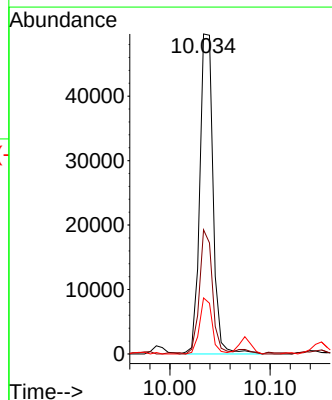
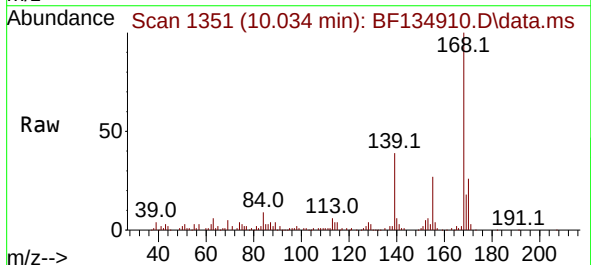
Instrument :
BNA_F
ClientSampleId :
72-11929

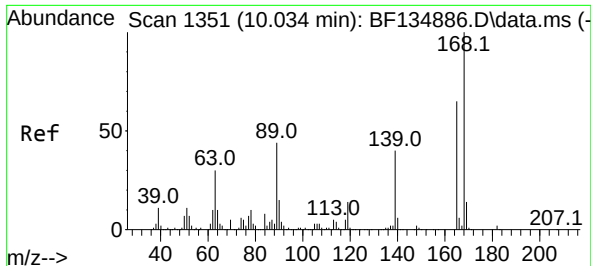
Tgt Ion:165 Resp: 33052
Ion Ratio Lower Upper
165 100
63 1.4 41.4 62.2#
89 2.0 40.9 61.3#



#55
Dibenzofuran
Concen: 2.316 ng
RT: 10.034 min Scan# 1351
Delta R.T. -0.012 min
Lab File: BF134910.D
Acq: 23 Aug 2023 18:13

Tgt Ion:168 Resp: 46012
Ion Ratio Lower Upper
168 100
139 38.8 29.5 44.3
169 17.5 10.7 16.1#

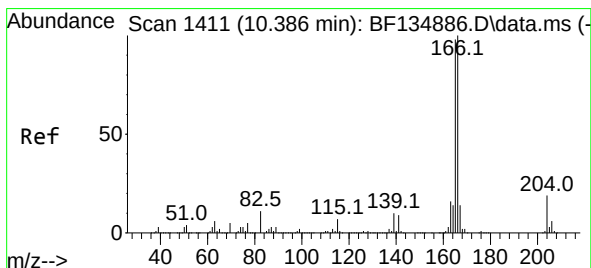
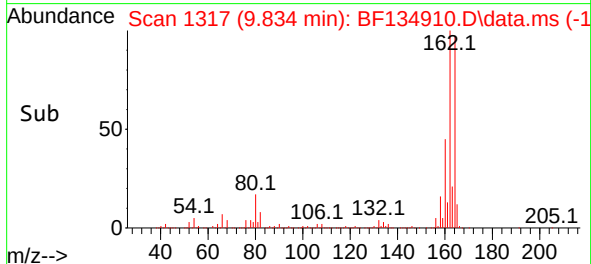
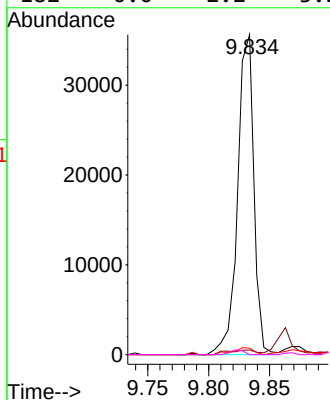
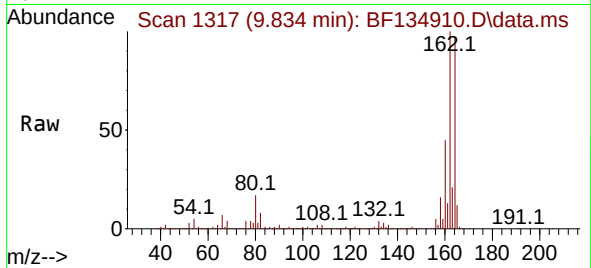




#57
2,4-Dinitrotoluene
Concen: 7.136 ng
RT: 9.834 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF134910.D
Acq: 23 Aug 2023 18:13

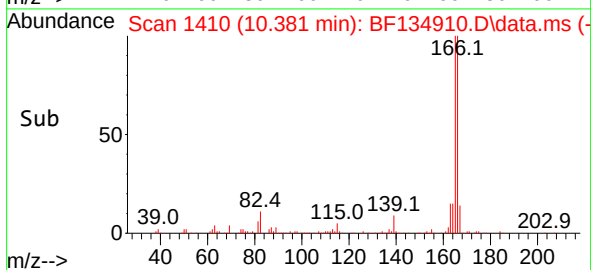
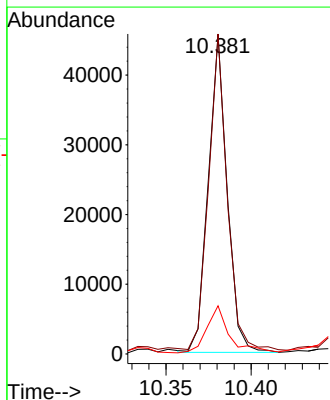
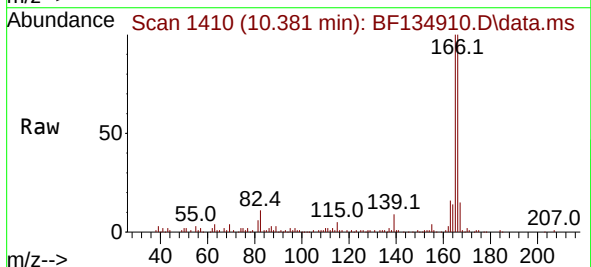
Instrument :
BNA_F
ClientSampleId :
72-11929

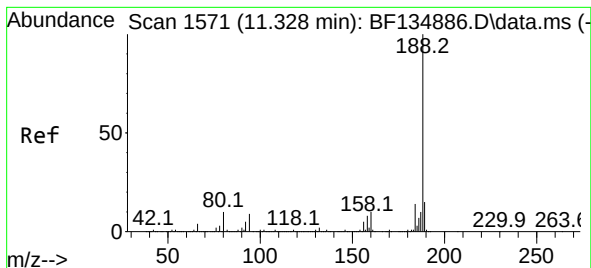
Tgt Ion:165 Resp: 33052
Ion Ratio Lower Upper
165 100
63 1.4 37.7 56.5#
89 2.0 54.2 81.4#
182 0.0 2.2 3.2#



#58
Fluorene
Concen: 2.329 ng
RT: 10.381 min Scan# 1410
Delta R.T. -0.005 min
Lab File: BF134910.D
Acq: 23 Aug 2023 18:13

Tgt Ion:166 Resp: 35092
Ion Ratio Lower Upper
166 100
165 100.2 78.5 117.7
167 15.1 11.0 16.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.322 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF134910.D

Acq: 23 Aug 2023 18:13

Instrument :

BNA_F

ClientSampleId :

72-11929

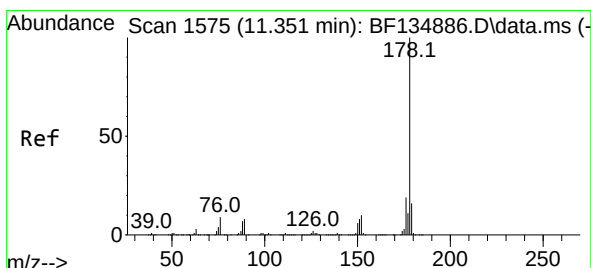
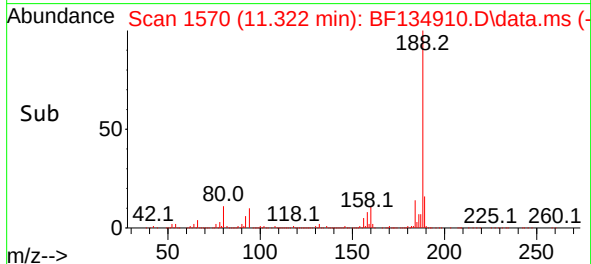
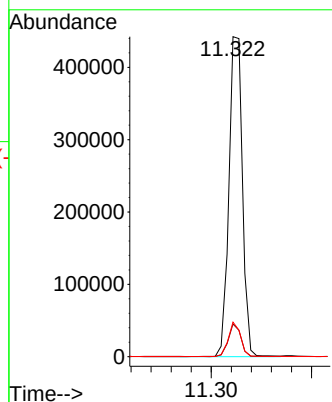
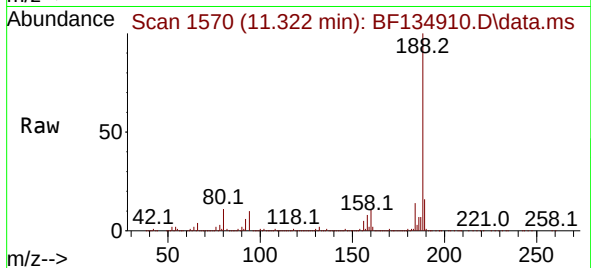
Tgt Ion:188 Resp: 412716

Ion Ratio Lower Upper

188 100

94 10.2 7.5 11.3

80 10.8 7.8 11.6



#71

Phenanthrene

Concen: 16.390 ng

RT: 11.351 min Scan# 1575

Delta R.T. 0.000 min

Lab File: BF134910.D

Acq: 23 Aug 2023 18:13

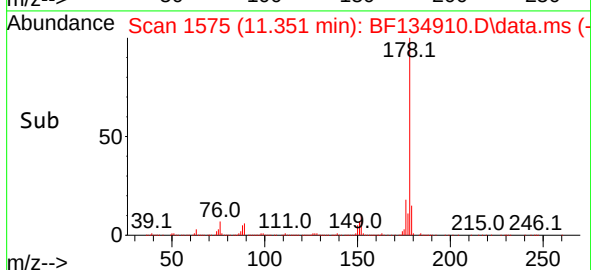
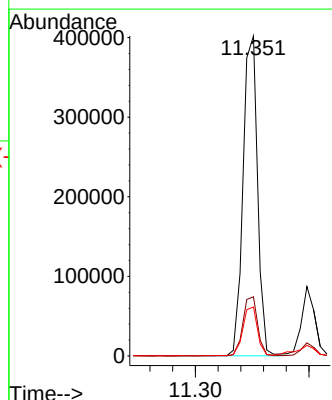
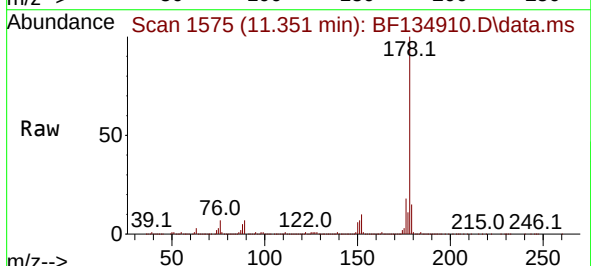
Tgt Ion:178 Resp: 354462

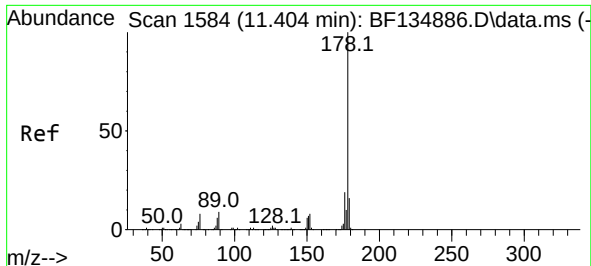
Ion Ratio Lower Upper

178 100

176 18.5 15.5 23.3

179 15.3 12.6 19.0

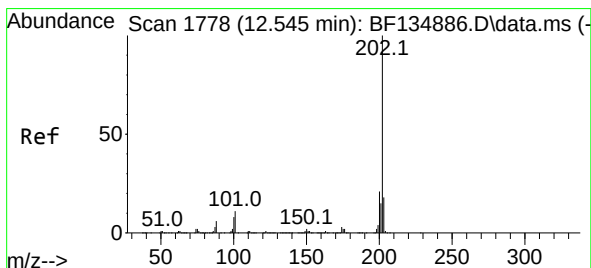
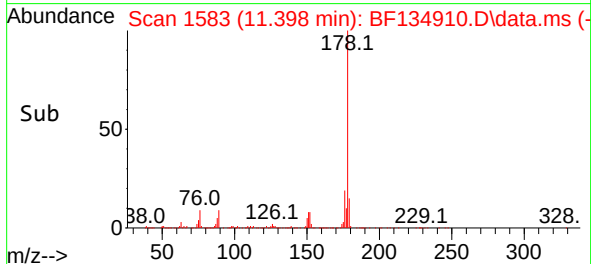
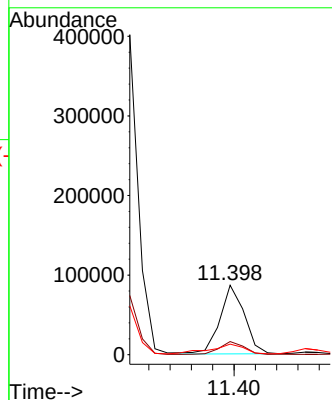
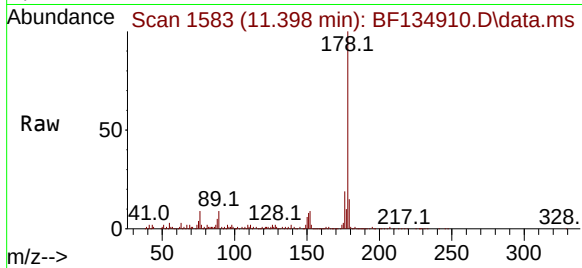




#72
 Anthracene
 Concen: 3.113 ng
 RT: 11.398 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF134910.D
 Acq: 23 Aug 2023 18:13

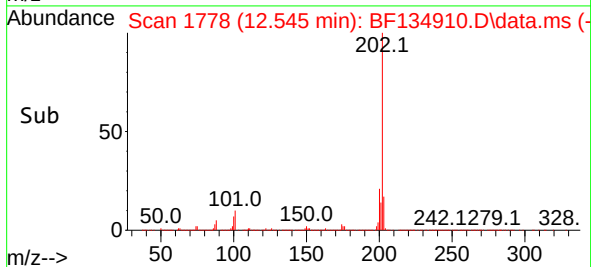
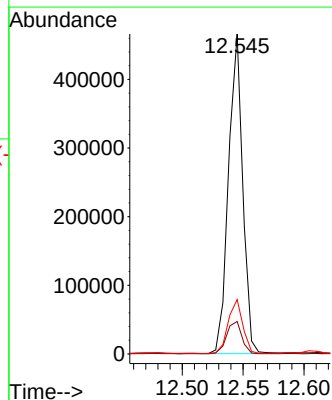
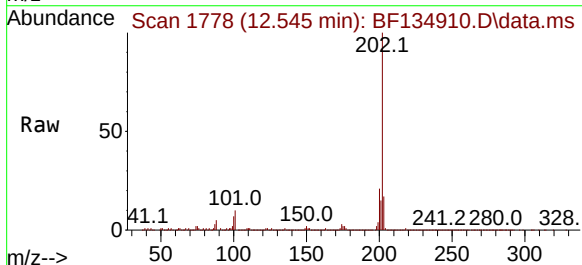
Instrument :
 BNA_F
 ClientSampleId :
 72-11929

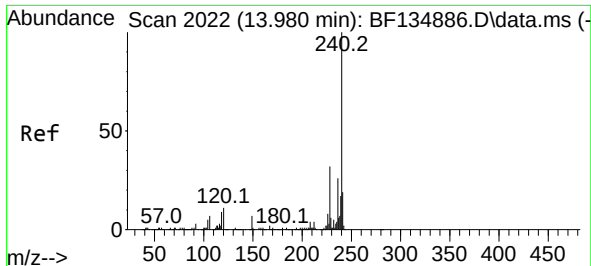
Tgt Ion:178 Resp: 68989
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.0 22.6
 179 15.3 12.5 18.7



#75
 Fluoranthene
 Concen: 18.462 ng
 RT: 12.545 min Scan# 1778
 Delta R.T. 0.000 min
 Lab File: BF134910.D
 Acq: 23 Aug 2023 18:13

Tgt Ion:202 Resp: 378330
 Ion Ratio Lower Upper
 202 100
 101 10.1 0.0 30.5
 203 17.0 0.0 37.8

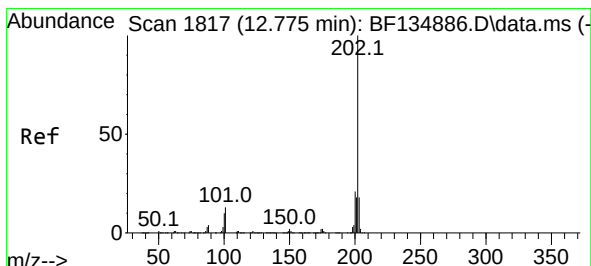
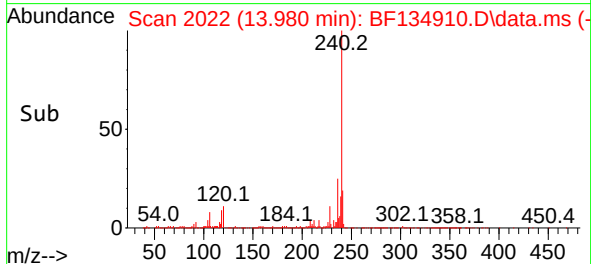
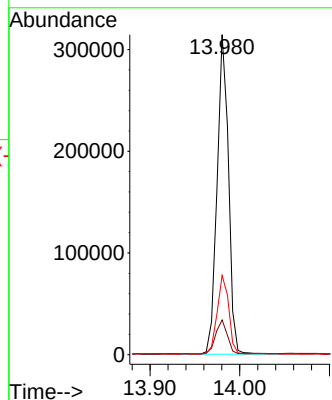
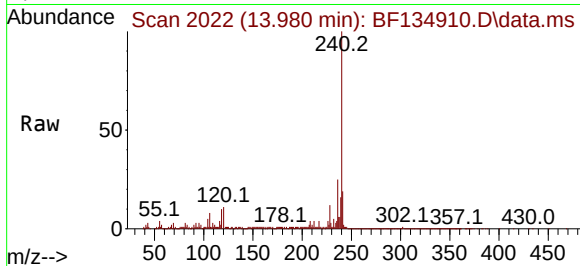




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF134910.D
Acq: 23 Aug 2023 18:13

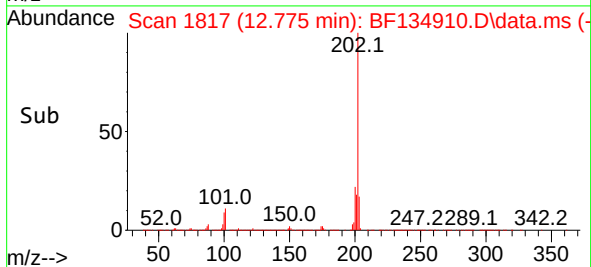
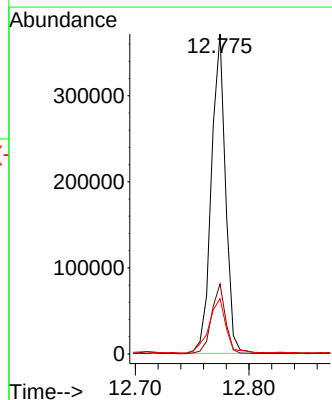
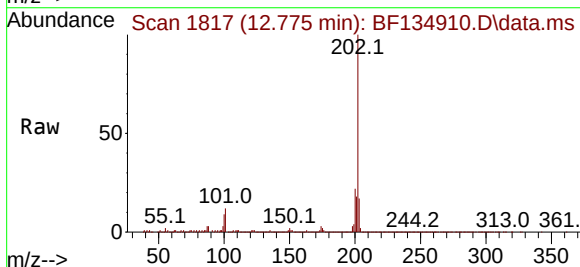
Instrument :
BNA_F
ClientSampleId :
72-11929

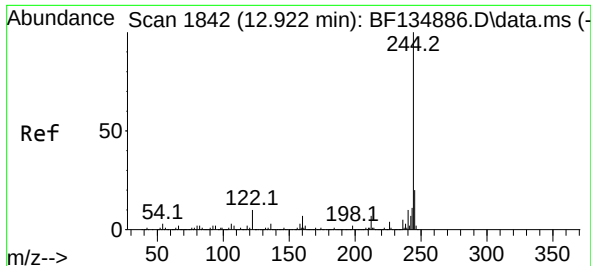
Tgt Ion:240 Resp: 277653
Ion Ratio Lower Upper
240 100
120 10.9 8.6 12.8
236 24.7 20.6 31.0



#78
Pyrene
Concen: 10.879 ng
RT: 12.775 min Scan# 1817
Delta R.T. 0.000 min
Lab File: BF134910.D
Acq: 23 Aug 2023 18:13

Tgt Ion:202 Resp: 320260
Ion Ratio Lower Upper
202 100
200 21.9 17.1 25.7
203 17.3 14.2 21.2

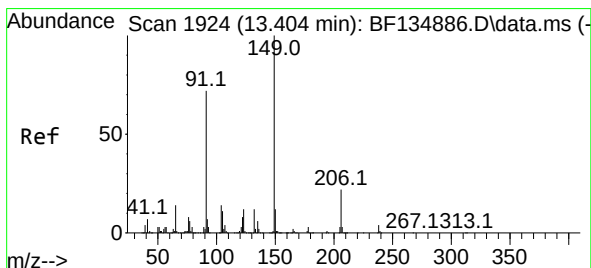
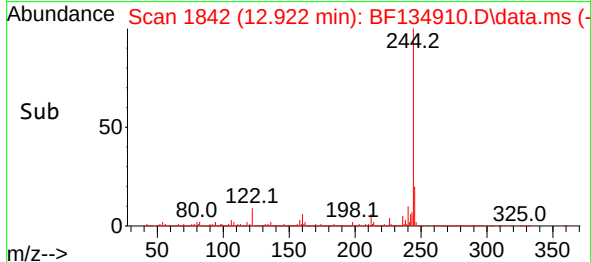
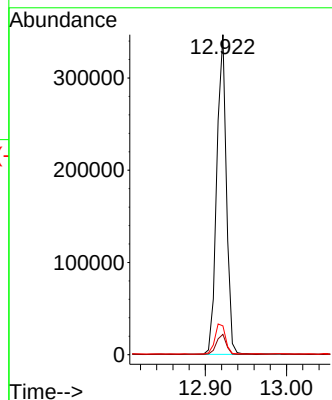
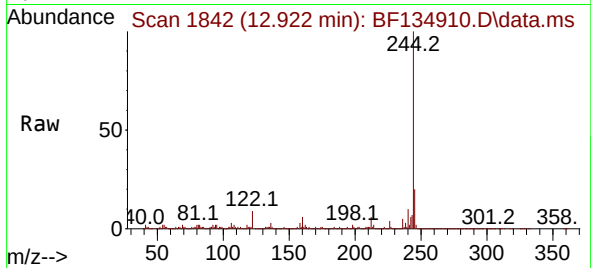




#79
 Terphenyl-d14
 Concen: 14.118 ng
 RT: 12.922 min Scan# 1842
 Delta R.T. -0.000 min
 Lab File: BF134910.D
 Acq: 23 Aug 2023 18:13

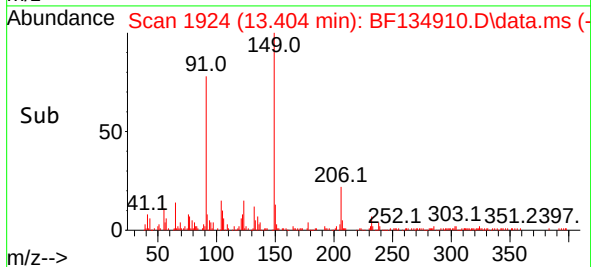
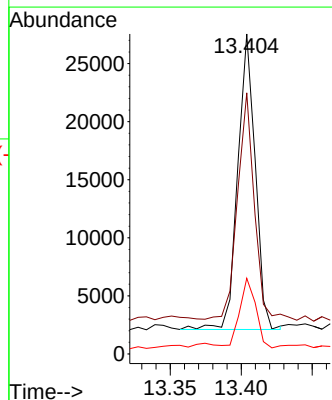
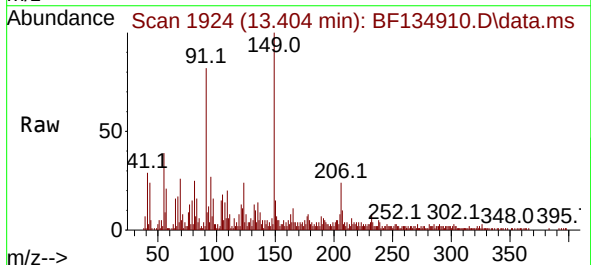
Instrument :
 BNA_F
 ClientSampleId :
 72-11929

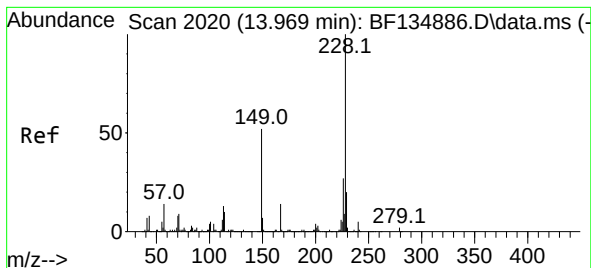
Tgt Ion:244 Resp: 284997
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.4 8.0
 122 9.0 8.2 12.4



#80
 Butylbenzylphthalate
 Concen: 2.429 ng
 RT: 13.404 min Scan# 1924
 Delta R.T. -0.000 min
 Lab File: BF134910.D
 Acq: 23 Aug 2023 18:13

Tgt Ion:149 Resp: 21790
 Ion Ratio Lower Upper
 149 100
 91 81.6 57.2 85.8
 206 23.6 18.0 27.0





#81

Benzo(a)anthracene

Concen: 6.292 ng

RT: 13.969 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF134910.D

Acq: 23 Aug 2023 18:13

Instrument :

BNA_F

ClientSampleId :

72-11929

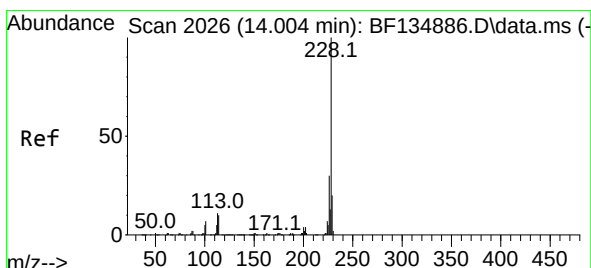
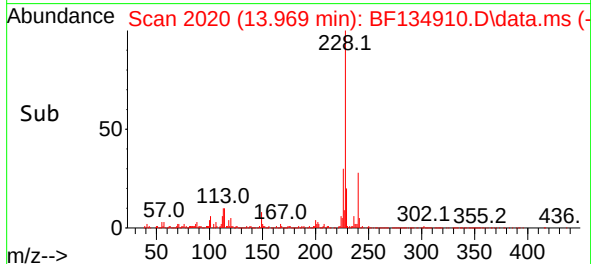
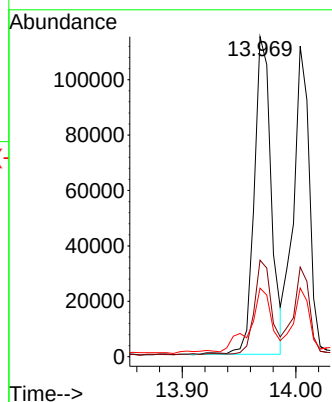
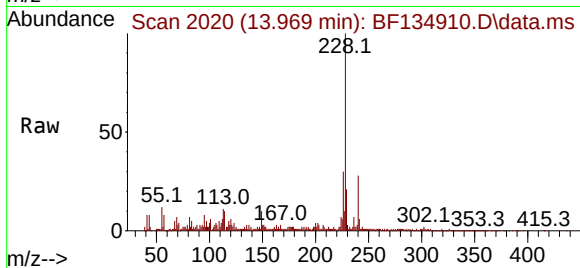
Tgt Ion:228 Resp: 119193

Ion Ratio Lower Upper

228 100

226 30.1 21.8 32.6

229 21.4 15.6 23.4



#83

Chrysene

Concen: 5.809 ng

RT: 14.004 min Scan# 2026

Delta R.T. -0.000 min

Lab File: BF134910.D

Acq: 23 Aug 2023 18:13

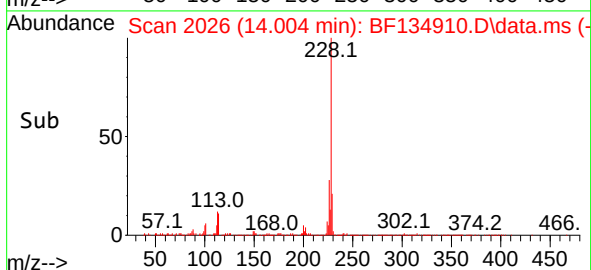
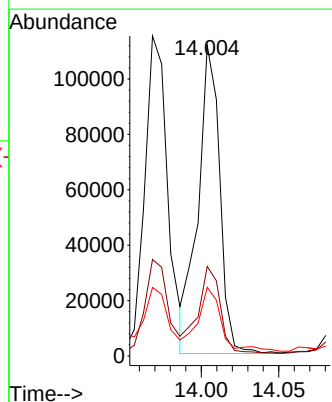
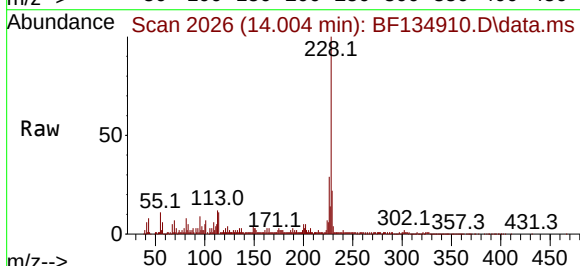
Tgt Ion:228 Resp: 108580

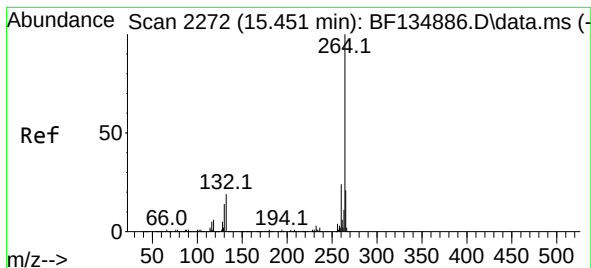
Ion Ratio Lower Upper

228 100

226 28.9 24.2 36.2

229 22.1 16.0 24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.457 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF134910.D

Acq: 23 Aug 2023 18:13

Instrument :

BNA_F

ClientSampleId :

72-11929

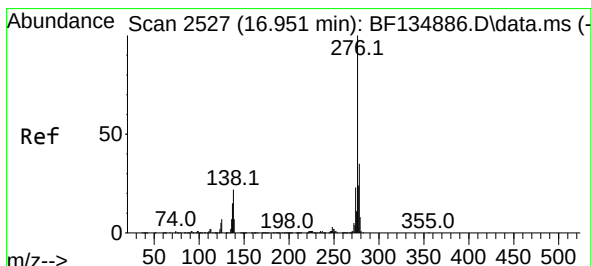
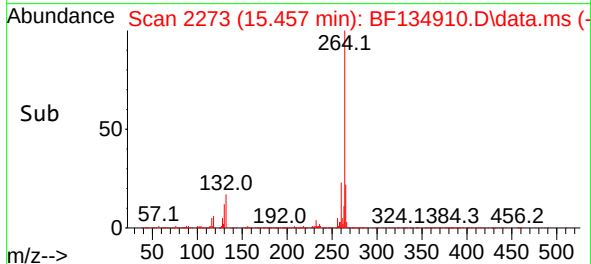
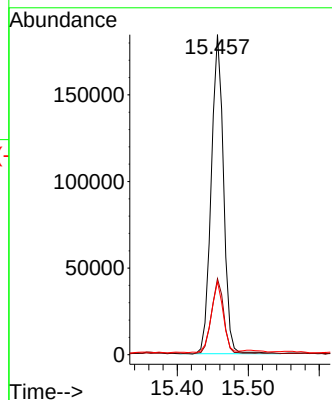
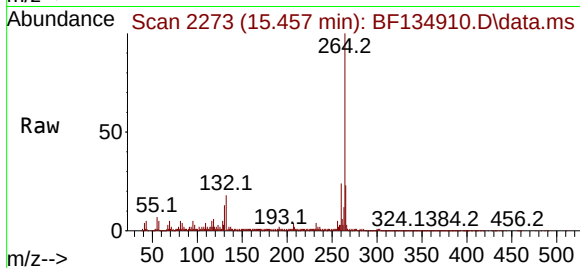
Tgt Ion:264 Resp: 221722

Ion Ratio Lower Upper

264 100

260 23.7 19.0 28.6

265 22.9 17.1 25.7



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.751 ng

RT: 16.945 min Scan# 2526

Delta R.T. -0.006 min

Lab File: BF134910.D

Acq: 23 Aug 2023 18:13

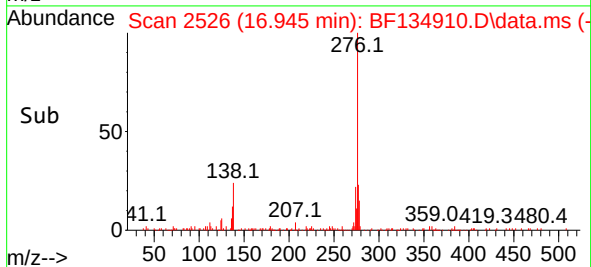
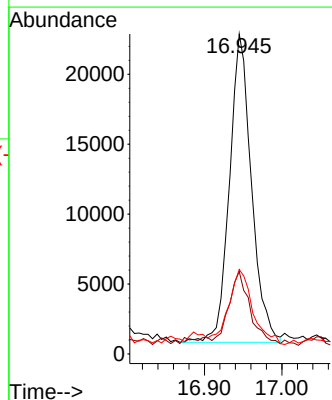
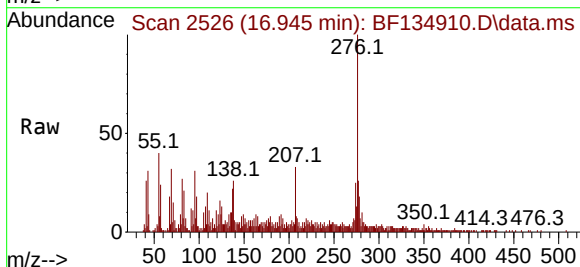
Tgt Ion:276 Resp: 43595

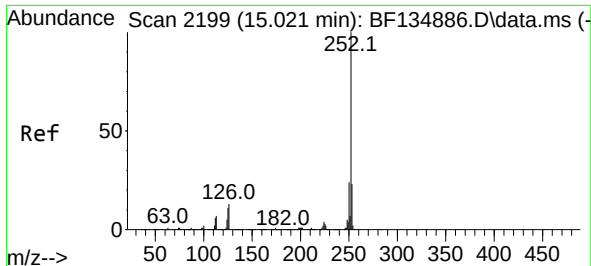
Ion Ratio Lower Upper

276 100

138 23.1 19.7 29.5

277 26.9 20.1 30.1

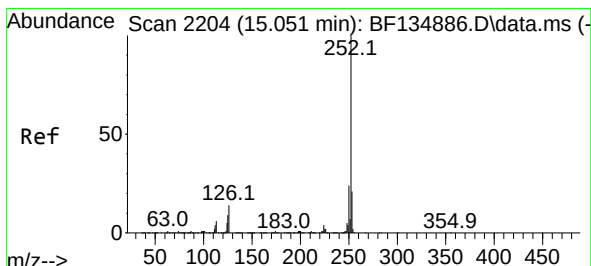
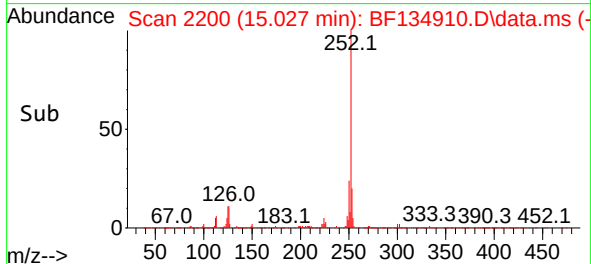
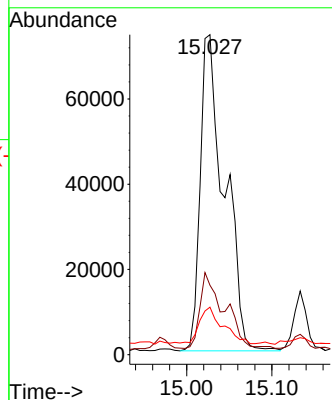
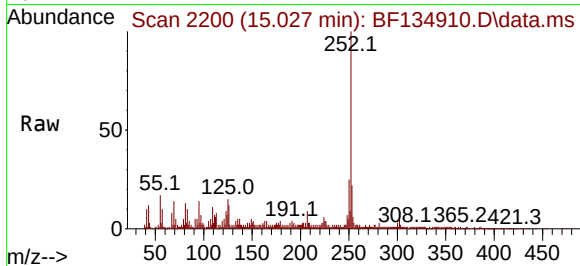




#88
Benzo(b)fluoranthene
Concen: 11.688 ng
RT: 15.027 min Scan# 2199
Delta R.T. 0.006 min
Lab File: BF134910.D
Acq: 23 Aug 2023 18:13

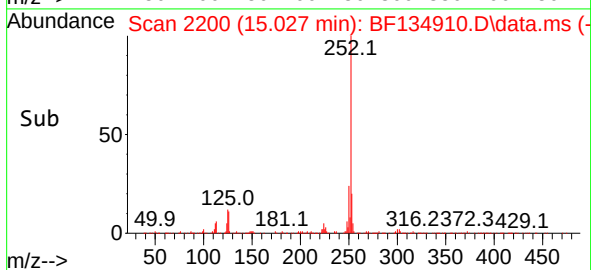
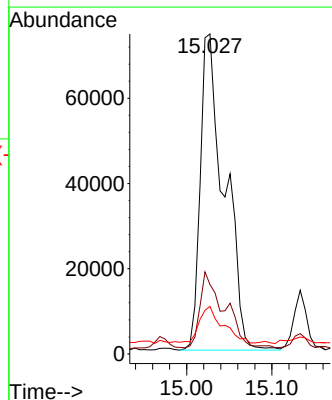
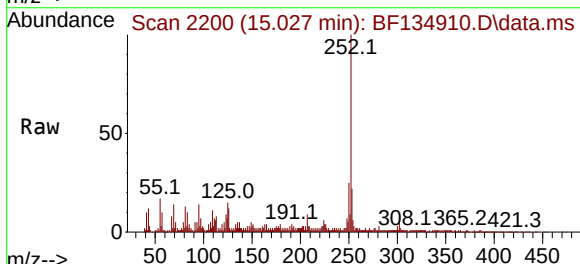
Instrument :
BNA_F
ClientSampleId :
72-11929

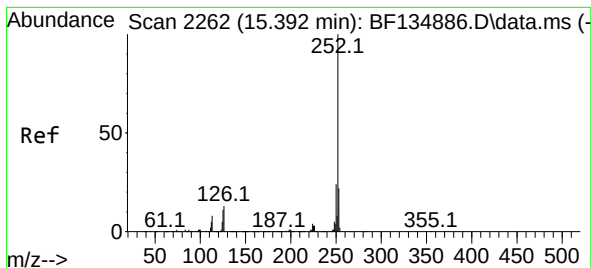
Tgt Ion:252 Resp: 146205
Ion Ratio Lower Upper
252 100
253 21.7 18.1 27.1
125 14.9 8.4 12.6#



#89
Benzo(k)fluoranthene
Concen: 11.902 ng
RT: 15.027 min Scan# 2200
Delta R.T. -0.024 min
Lab File: BF134910.D
Acq: 23 Aug 2023 18:13

Tgt Ion:252 Resp: 146205
Ion Ratio Lower Upper
252 100
253 21.7 17.1 25.7
125 14.9 8.0 12.0#





#90

Benzo(a)pyrene

Concen: 6.179 ng

RT: 15.392 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF134910.D

Acq: 23 Aug 2023 18:13

Instrument :

BNA_F

ClientSampleId :

72-11929

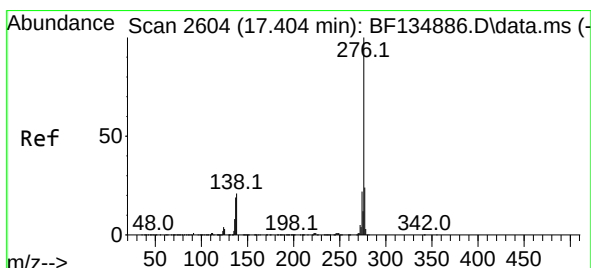
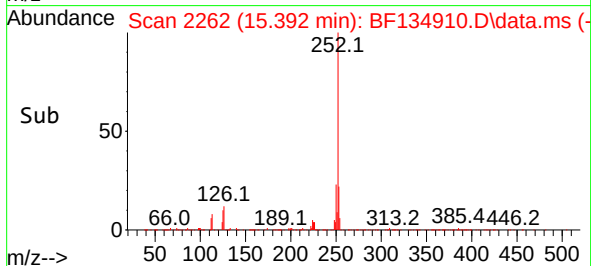
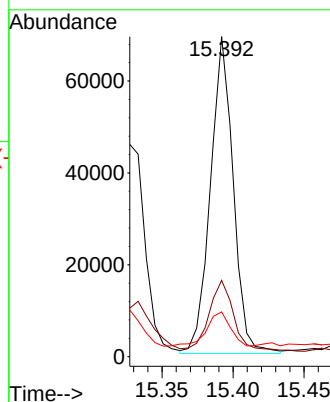
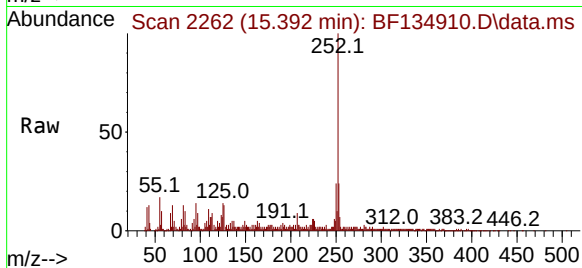
Tgt Ion:252 Resp: 77167

Ion Ratio Lower Upper

252 100

253 23.9 17.6 26.4

125 14.0 8.4 12.6#



#92

Benzo(g,h,i)perylene

Concen: 3.571 ng

RT: 17.398 min Scan# 2603

Delta R.T. -0.006 min

Lab File: BF134910.D

Acq: 23 Aug 2023 18:13

Tgt Ion:276 Resp: 46874

Ion Ratio Lower Upper

276 100

277 25.2 19.2 28.8

138 21.3 17.0 25.6

