

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071123\
 Data File : BF134228.D
 Acq On : 11 Jul 2023 23:34
 Operator : CG\JU
 Sample : 03555-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 12 01:58:00 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 11 13:06:48 2023
 Response via : Initial Calibration

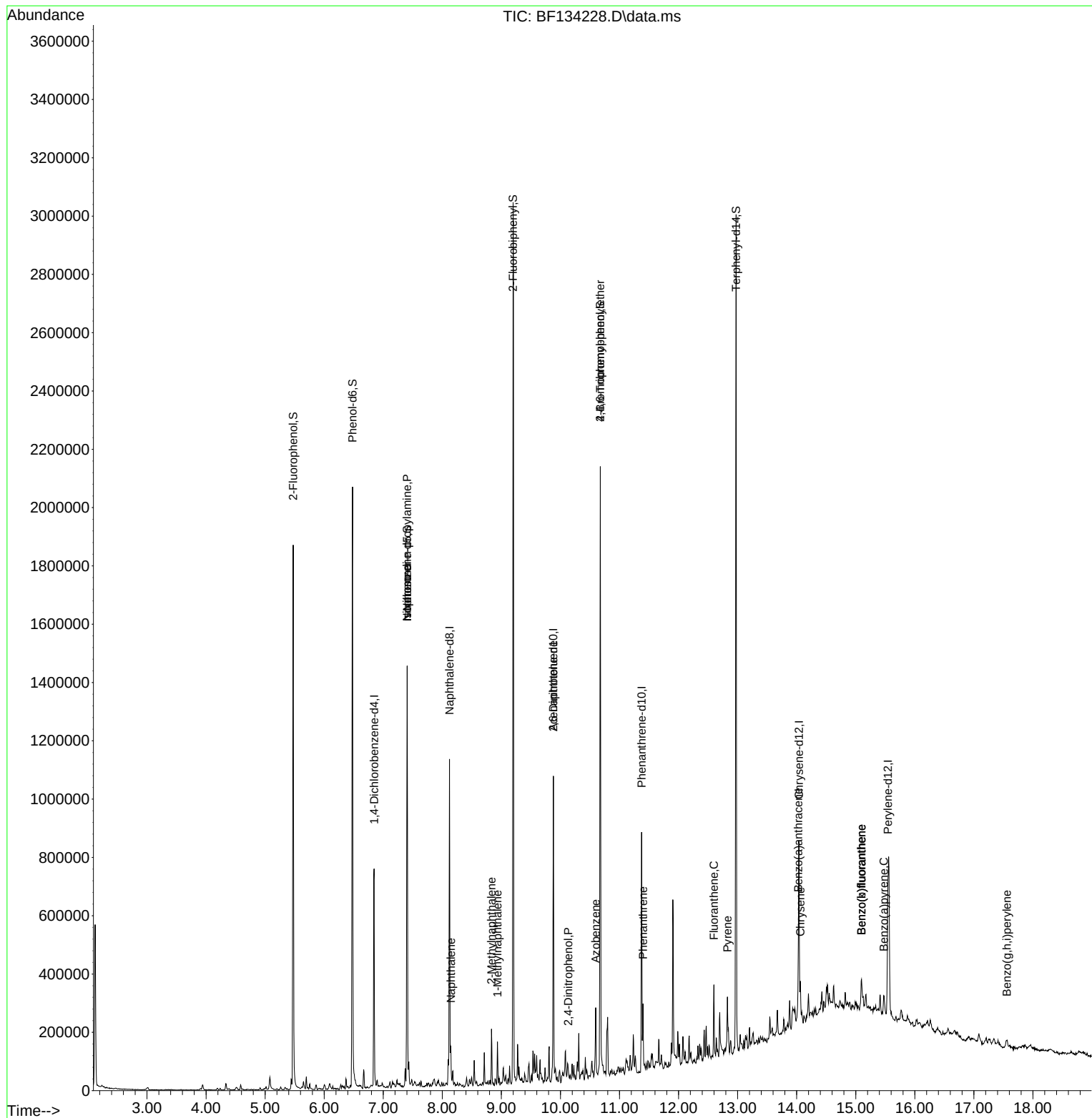
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	115100	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	431296	20.000	ng	0.00
39) Acenaphthene-d10	9.880	164	189029	20.000	ng	0.00
64) Phenanthrene-d10	11.374	188	291372	20.000	ng	0.00
76) Chrysene-d12	14.039	240	208813	20.000	ng	0.00
86) Perylene-d12	15.545	264	181700	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	484127	70.359	ng	0.00
7) Phenol-d6	6.481	99	655122	77.419	ng	0.00
23) Nitrobenzene-d5	7.404	82	422660	52.826	ng	0.00
42) 2,4,6-Tribromophenol	10.675	330	245275	103.490	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	944889	72.675	ng	0.00
79) Terphenyl-d14	12.974	244	977000	75.302	ng	0.00
Target Compounds						
9) Benzaldehyde	6.404	77	1399	Below Cal	Qvalue	# 10
19) n-Nitroso-di-n-propyla...	7.404	70	59351	11.060	ng	# 74
25) Isophorone	7.404	82	418203	28.760	ng	# 64
31) Naphthalene	8.145	128	49630	2.382	ng	98
37) 2-Methylnaphthalene	8.833	142	46259	3.140	ng	99
38) 1-Methylnaphthalene	8.933	142	34149	2.493	ng	96
51) 2,6-Dinitrotoluene	9.880	165	26654	9.019	ng	# 24
54) 2,4-Dinitrophenol	10.133	184	101	3.920	ng	# 87
63) Azobenzene	10.598	77	38410	2.840	ng	# 1
67) 4-Bromophenyl-phenylether	10.675	248	15392	4.970	ng	# 1
71) Phenanthrene	11.398	178	79191	5.399	ng	99
75) Fluoranthene	12.598	202	80272	5.062	ng	97
78) Pyrene	12.827	202	73096	3.761	ng	97
81) Benzo(a)anthracene	14.027	228	43497	3.004	ng	# 91
83) Chrysene	14.063	228	65339	4.658	ng	# 95
88) Benzo(b)fluoranthene	15.098	252	73046	6.837	ng	# 93
89) Benzo(k)fluoranthene	15.098	252	73046	6.715	ng	# 92
90) Benzo(a)pyrene	15.474	252	31744	3.073	ng	# 85
92) Benzo(g,h,i)perylene	17.556	276	23036	2.169	ng	# 95

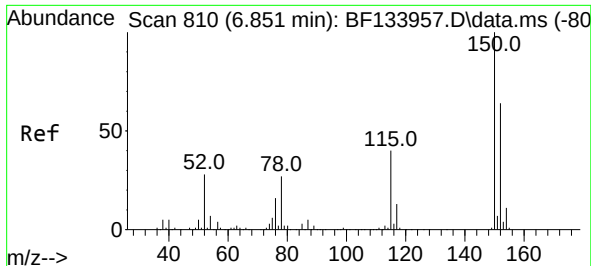
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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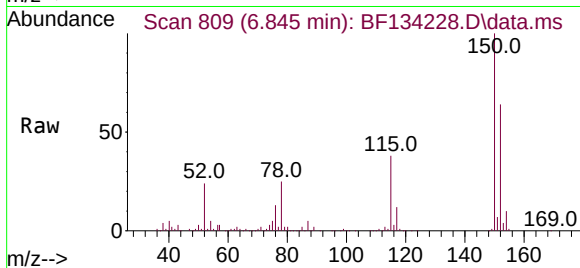
Quant Time: Jul 12 01:58:00 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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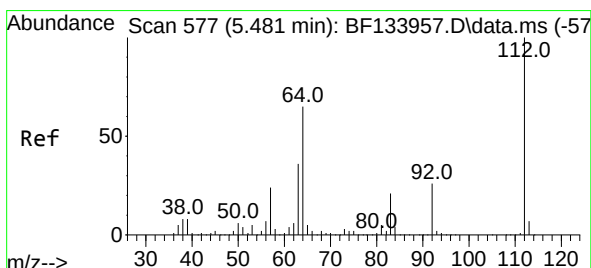
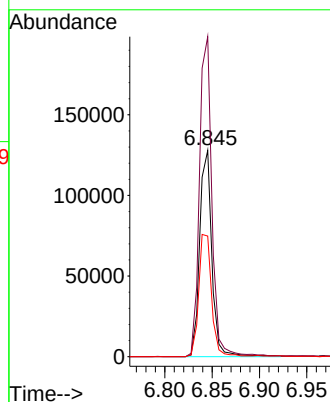
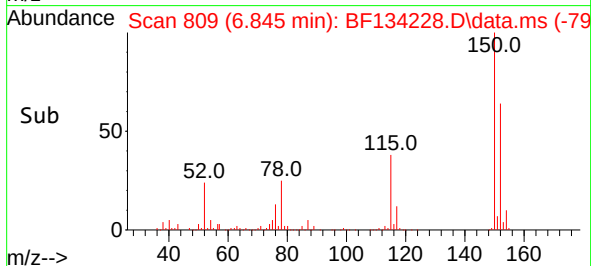


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF134228.D
Acq: 11 Jul 2023 23:34

Instrument :
BNA_F
ClientSampleId :

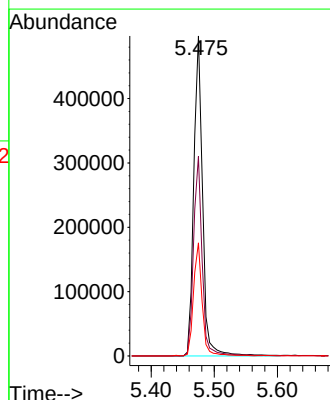
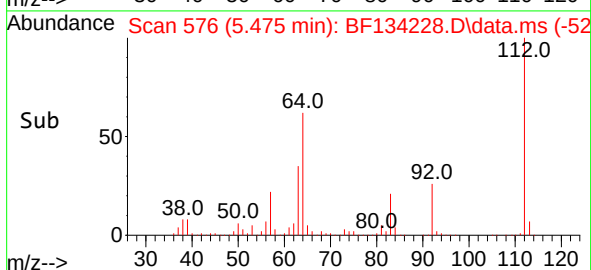
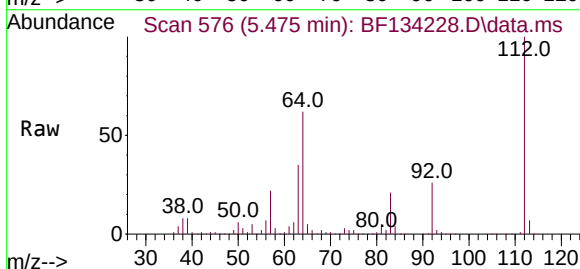


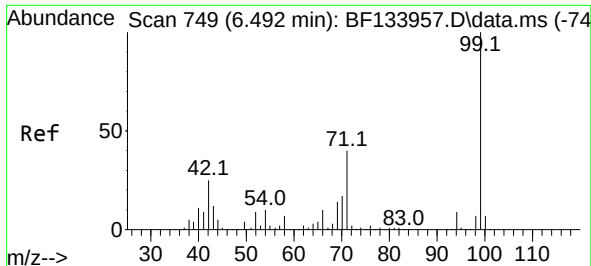
Tgt Ion:152 Resp: 115100
Ion Ratio Lower Upper
152 100
150 155.2 124.5 186.7
115 58.5 50.2 75.2



#5
2-Fluorophenol
Concen: 70.359 ng
RT: 5.475 min Scan# 576
Delta R.T. 0.000 min
Lab File: BF134228.D
Acq: 11 Jul 2023 23:34

Tgt Ion:112 Resp: 484127
Ion Ratio Lower Upper
112 100
64 62.3 52.1 78.1
63 35.4 28.6 42.8

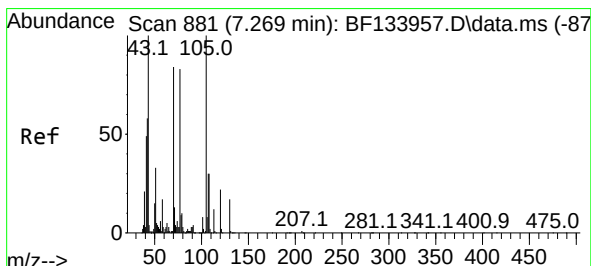
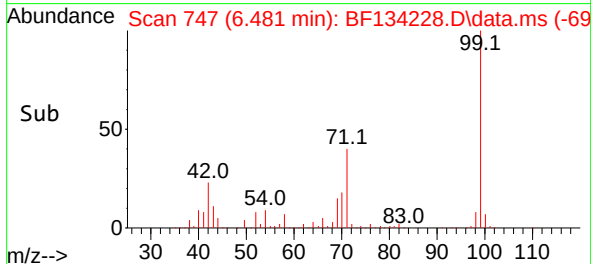
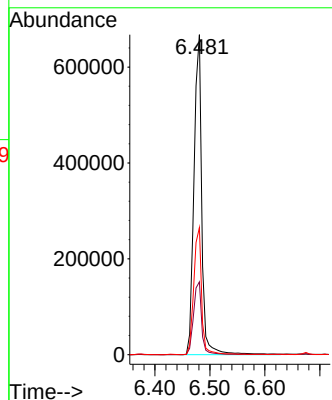
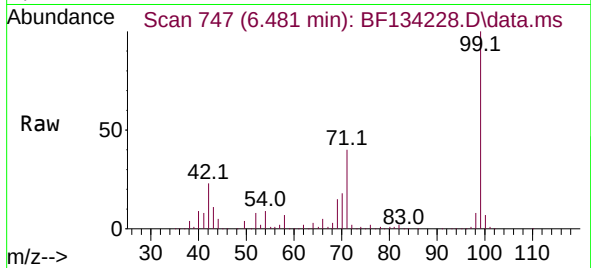




#7
Phenol-d6
Concen: 77.419 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF134228.D
Acq: 11 Jul 2023 23:34

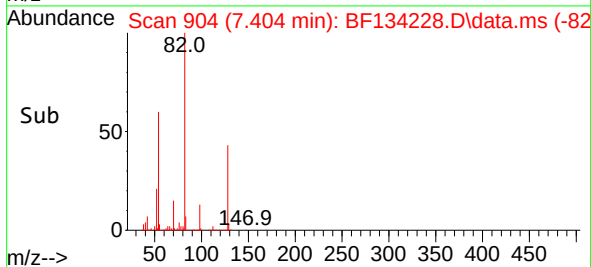
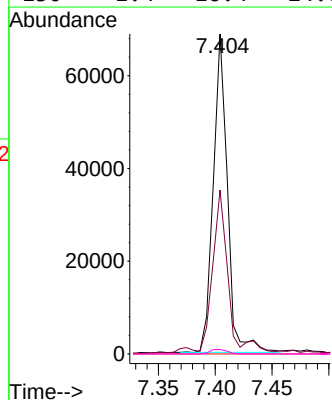
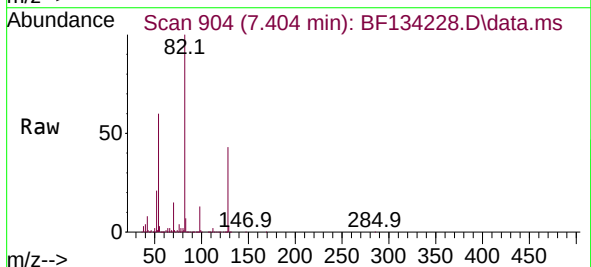
Instrument :
BNA_F
ClientSampleId :

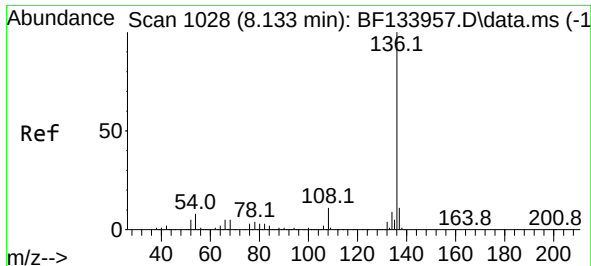
Tgt Ion: 99 Resp: 655122
Ion Ratio Lower Upper
99 100
42 22.8 19.8 29.6
71 39.7 31.9 47.9



#19
n-Nitroso-di-n-propylamine
Concen: 11.060 ng
RT: 7.404 min Scan# 904
Delta R.T. 0.147 min
Lab File: BF134228.D
Acq: 11 Jul 2023 23:34

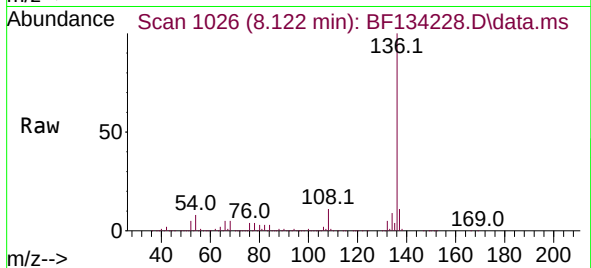
Tgt Ion: 70 Resp: 59351
Ion Ratio Lower Upper
70 100
42 51.2 54.7 82.1#
101 0.0 7.7 11.5#
130 1.4 16.4 24.6#



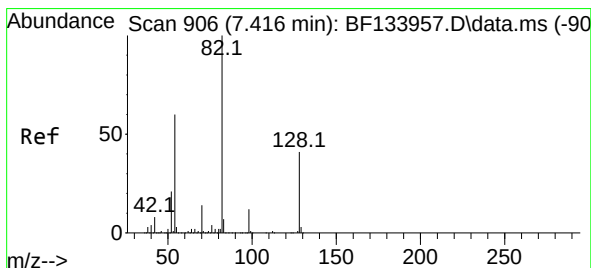
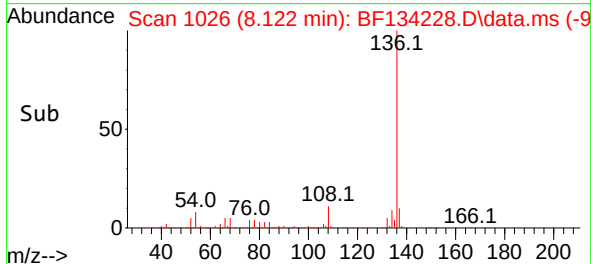
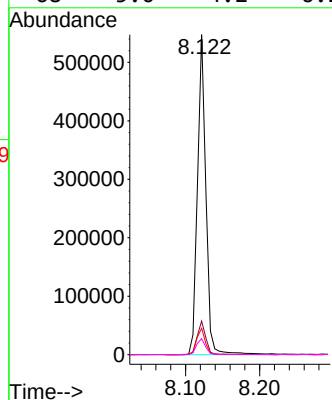


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF134228.D
Acq: 11 Jul 2023 23:34

Instrument :
BNA_F
ClientSampleId :

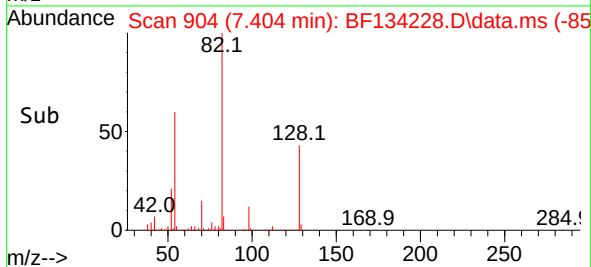
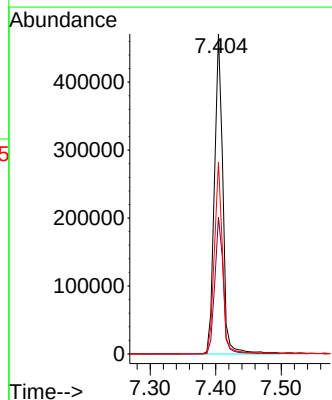
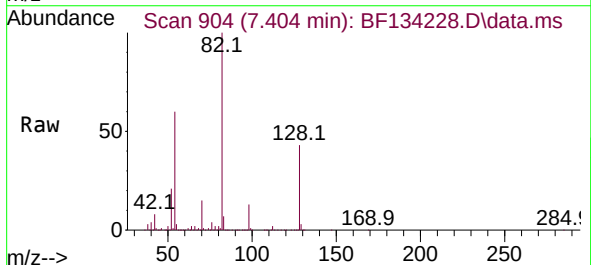


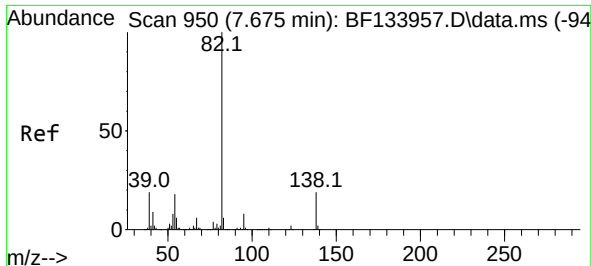
Tgt Ion:136 Resp: 431296
Ion Ratio Lower Upper
136 100
137 10.5 8.6 12.8
54 8.3 6.5 9.7
68 5.0 4.2 6.2



#23
Nitrobenzene-d5
Concen: 52.826 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.006 min
Lab File: BF134228.D
Acq: 11 Jul 2023 23:34

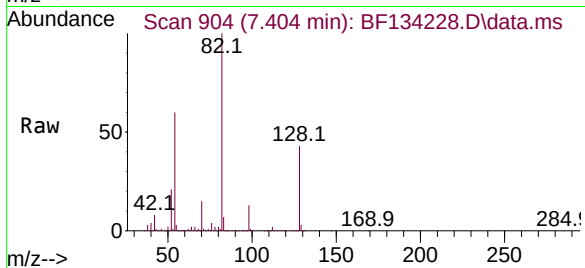
Tgt Ion: 82 Resp: 422660
Ion Ratio Lower Upper
82 100
128 42.8 32.5 48.7
54 60.0 48.2 72.2



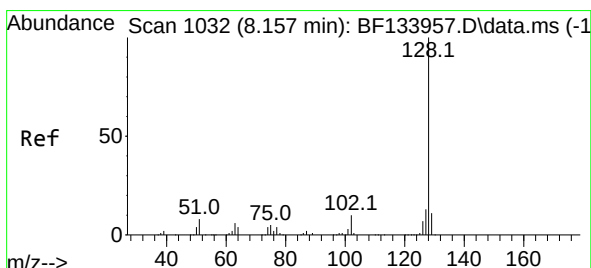
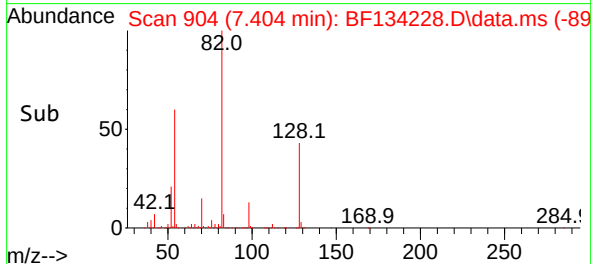
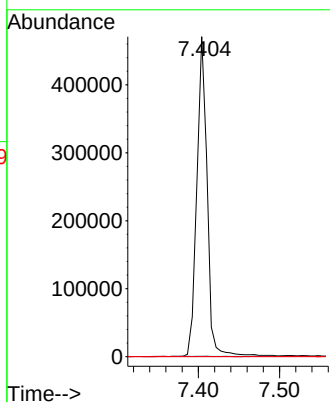


#25
Isophorone
Concen: 28.760 ng
RT: 7.404 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF134228.D
Acq: 11 Jul 2023 23:34

Instrument :
BNA_F
ClientSampleId :

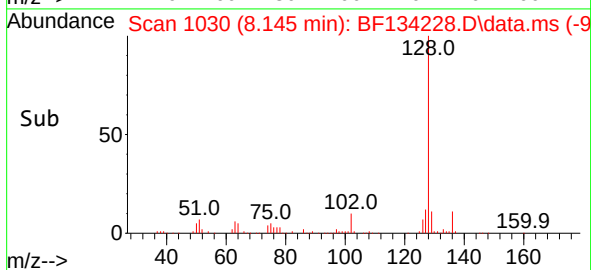
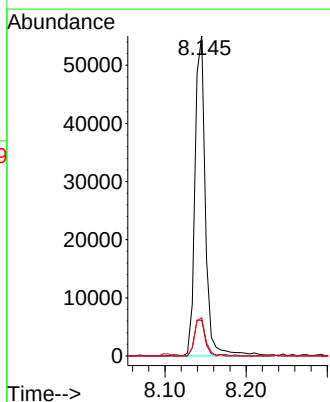
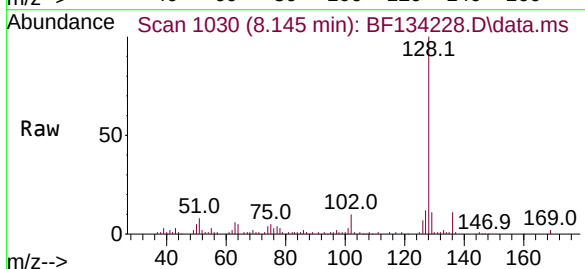


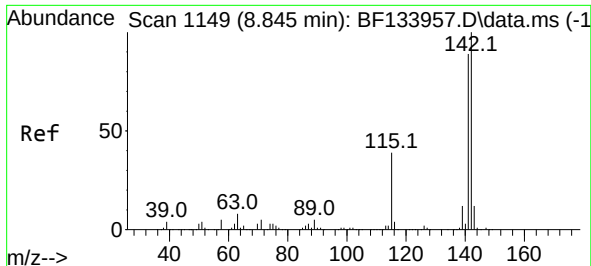
Tgt Ion: 82 Resp: 418203
Ion Ratio Lower Upper
82 100
95 0.1 6.1 9.1#
138 0.0 15.2 22.8#



#31
Naphthalene
Concen: 2.382 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF134228.D
Acq: 11 Jul 2023 23:34

Tgt Ion:128 Resp: 49630
Ion Ratio Lower Upper
128 100
129 11.2 8.7 13.1
127 11.9 10.6 15.8

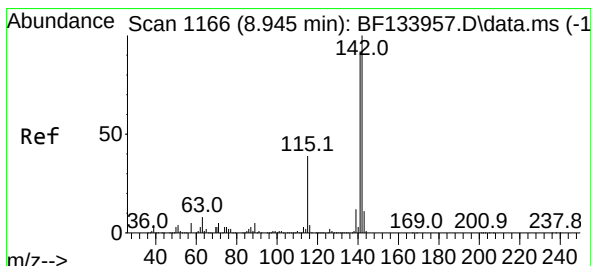
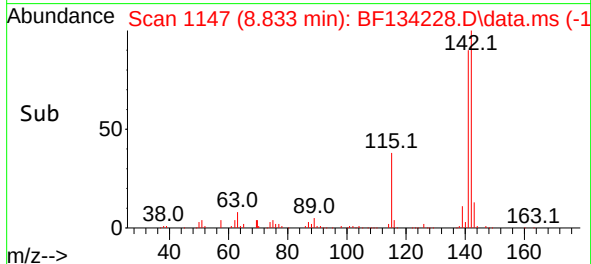
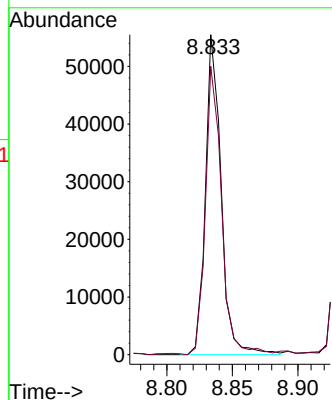
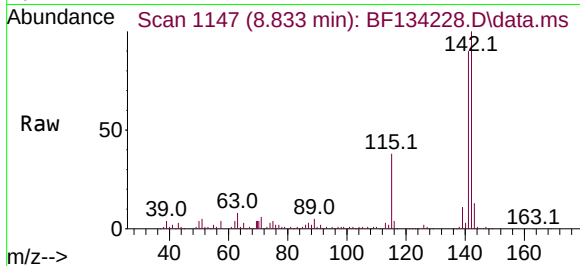




#37
2-Methylnaphthalene
Concen: 3.140 ng
RT: 8.833 min Scan# 1149
Delta R.T. -0.006 min
Lab File: BF134228.D
Acq: 11 Jul 2023 23:34

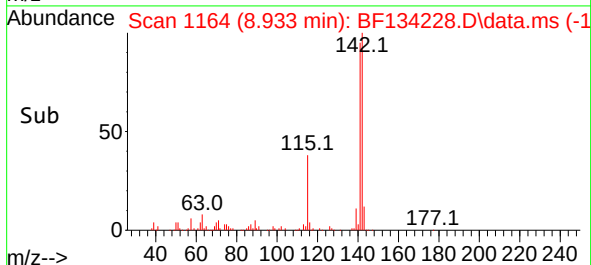
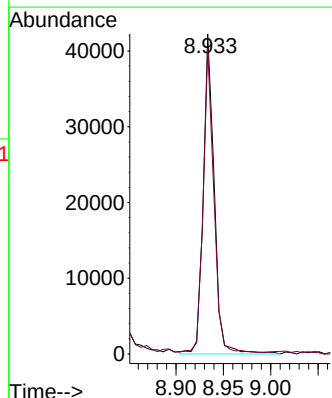
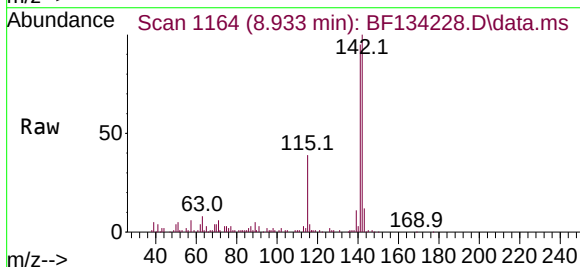
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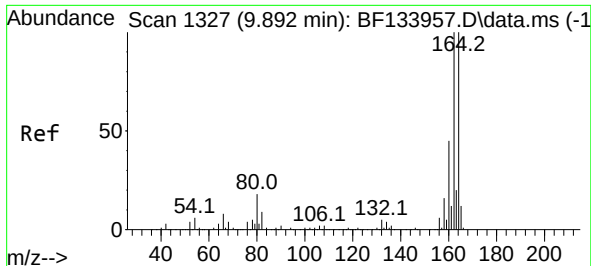
Tgt Ion:142 Resp: 46259
Ion Ratio Lower Upper
142 100
141 90.1 71.0 106.4



#38
1-Methylnaphthalene
Concen: 2.493 ng
RT: 8.933 min Scan# 1164
Delta R.T. -0.006 min
Lab File: BF134228.D
Acq: 11 Jul 2023 23:34

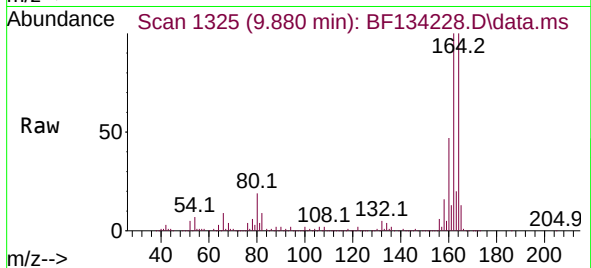
Tgt Ion:142 Resp: 34149
Ion Ratio Lower Upper
142 100
141 95.4 73.5 110.3



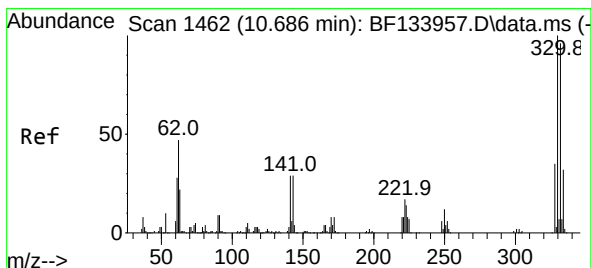
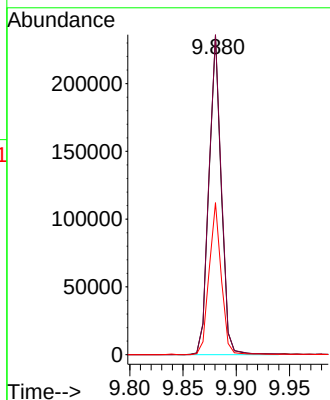
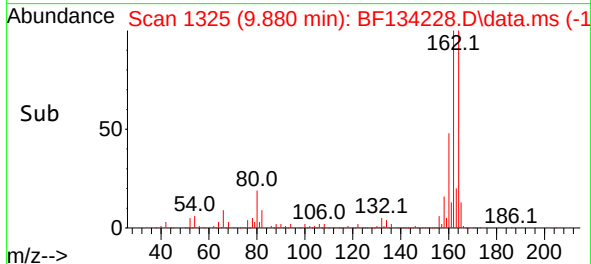


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134228.D
Acq: 11 Jul 2023 23:34

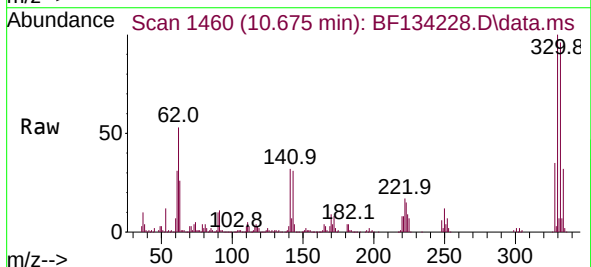
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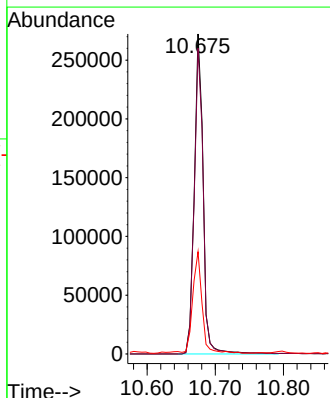
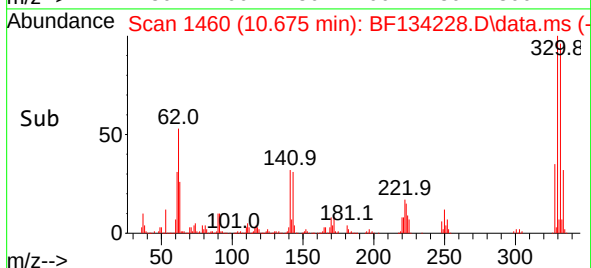
Tgt Ion:164 Resp: 189029
Ion Ratio Lower Upper
164 100
162 100.1 80.0 120.0
160 47.5 35.9 53.9

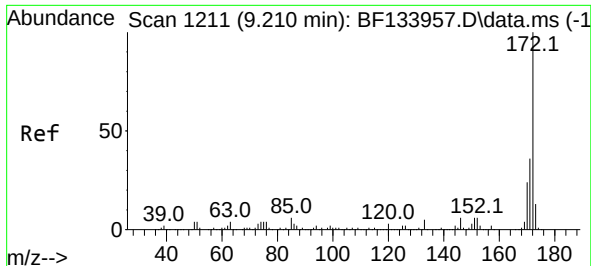


#42
2,4,6-Tribromophenol
Concen: 103.490 ng
RT: 10.675 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF134228.D
Acq: 11 Jul 2023 23:34



Tgt Ion:330 Resp: 245275
Ion Ratio Lower Upper
330 100
332 96.5 77.0 115.6
141 34.8 26.3 39.5





#45

2-Fluorobiphenyl

Concen: 72.675 ng

RT: 9.198 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF134228.D

Acq: 11 Jul 2023 23:34

Instrument :

BNA_F

ClientSampleId :

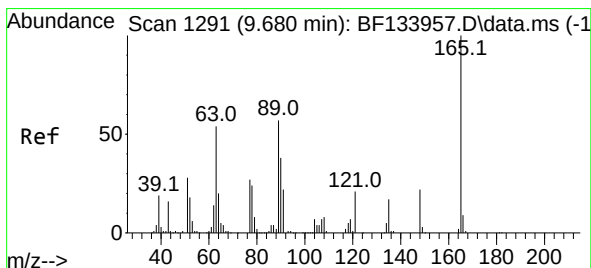
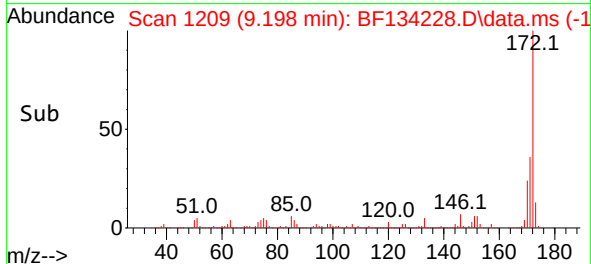
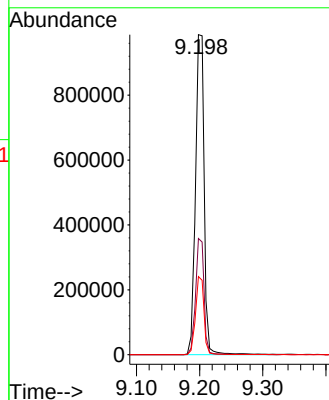
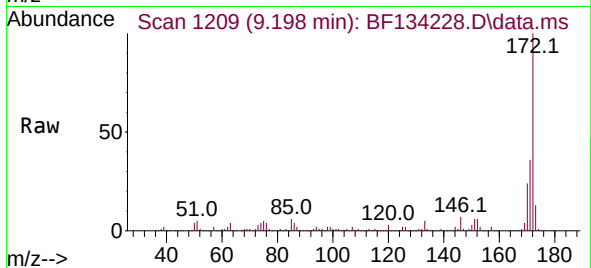
Tgt Ion:172 Resp: 944889

Ion Ratio Lower Upper

172 100

171 36.3 28.6 43.0

170 24.4 19.4 29.0



#51

2,6-Dinitrotoluene

Concen: 9.019 ng

RT: 9.880 min Scan# 1325

Delta R.T. 0.206 min

Lab File: BF134228.D

Acq: 11 Jul 2023 23:34

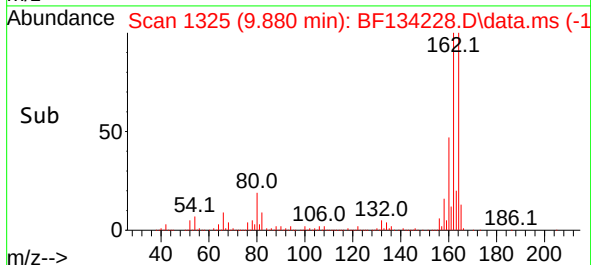
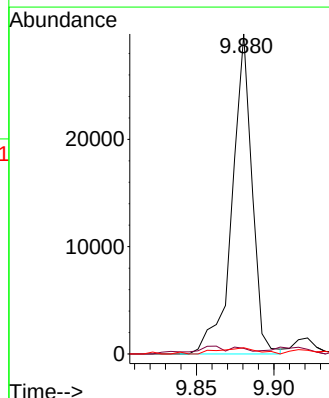
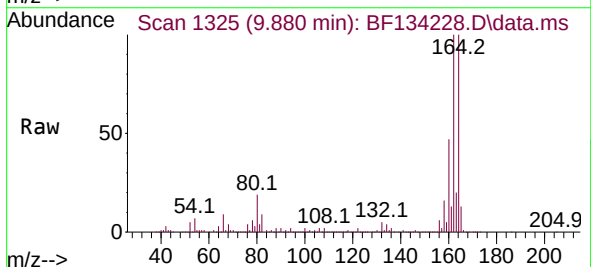
Tgt Ion:165 Resp: 26654

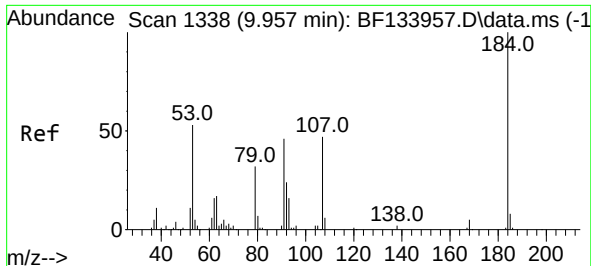
Ion Ratio Lower Upper

165 100

63 1.7 48.5 72.7#

89 2.0 45.5 68.3#

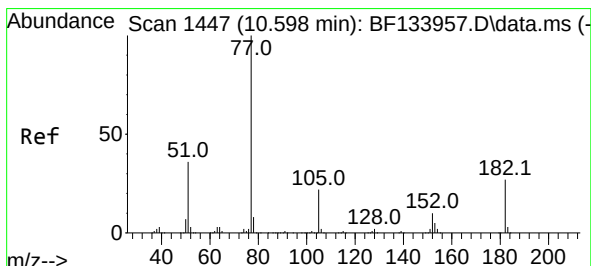
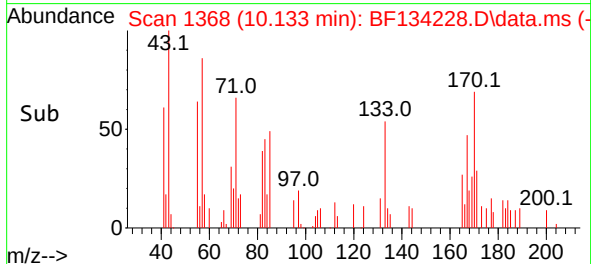
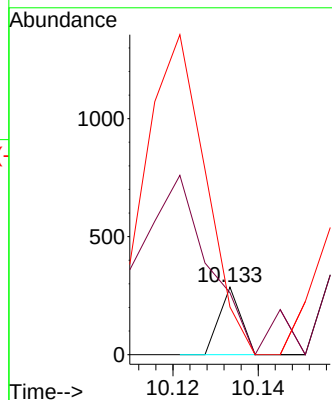
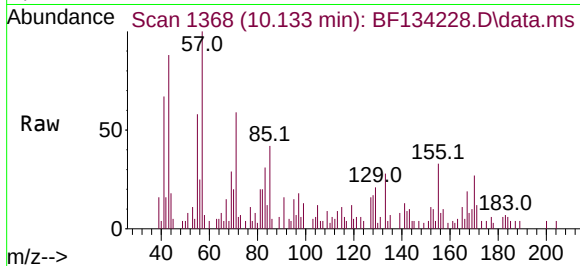




#54
2,4-Dinitrophenol
Concen: 3.920 ng
RT: 10.133 min Scan# 1368
Delta R.T. 0.176 min
Lab File: BF134228.D
Acq: 11 Jul 2023 23:34

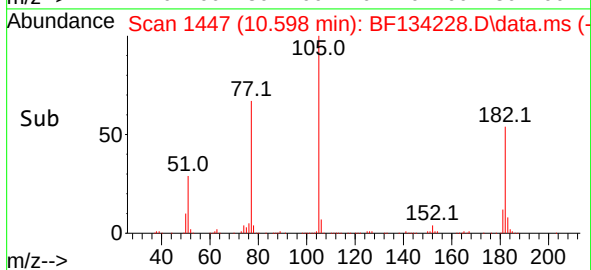
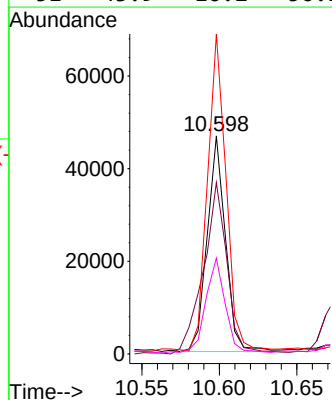
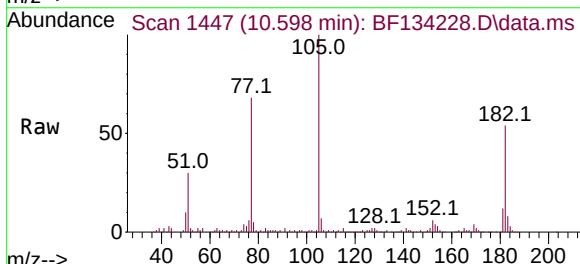
Instrument :
BNA_F
ClientSampleId :

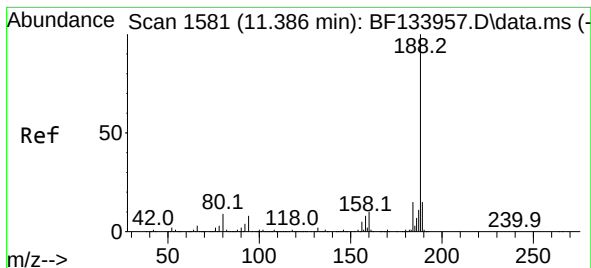
Tgt Ion:184 Resp: 101
Ion Ratio Lower Upper
184 100
63 91.6 56.9 85.3#
154 70.6 55.4 83.0



#63
Azobenzene
Concen: 2.840 ng
RT: 10.598 min Scan# 1447
Delta R.T. 0.006 min
Lab File: BF134228.D
Acq: 11 Jul 2023 23:34

Tgt Ion: 77 Resp: 38410
Ion Ratio Lower Upper
77 100
182 78.6 6.8 46.8#
105 146.7 2.3 42.3#
51 43.9 16.2 56.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.374 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF134228.D

Acq: 11 Jul 2023 23:34

Instrument :

BNA_F

ClientSampleId :

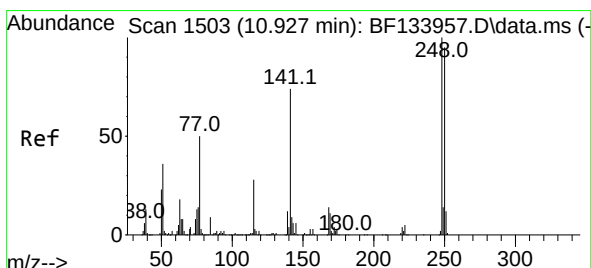
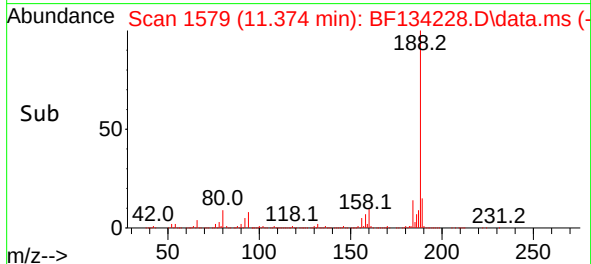
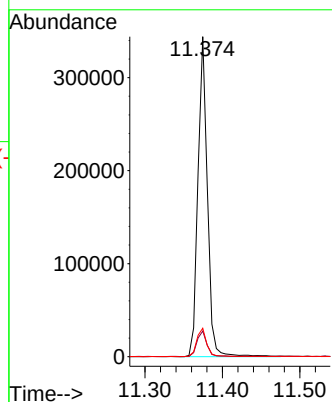
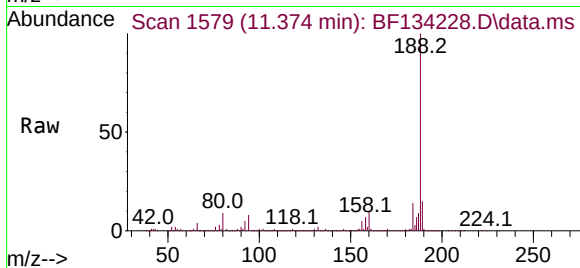
Tgt Ion:188 Resp: 291372

Ion Ratio Lower Upper

188 100

94 8.0 6.4 9.6

80 8.9 7.3 10.9



#67

4-Bromophenyl-phenylether

Concen: 4.970 ng

RT: 10.675 min Scan# 1460

Delta R.T. -0.247 min

Lab File: BF134228.D

Acq: 11 Jul 2023 23:34

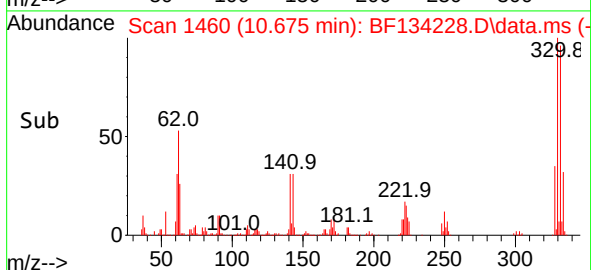
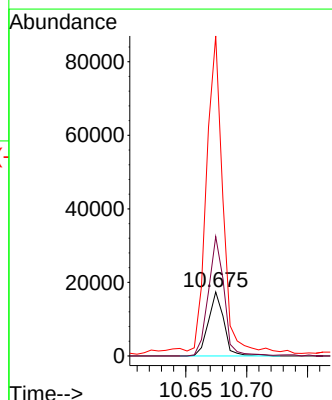
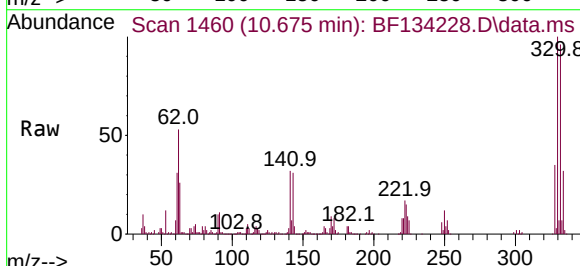
Tgt Ion:248 Resp: 15392

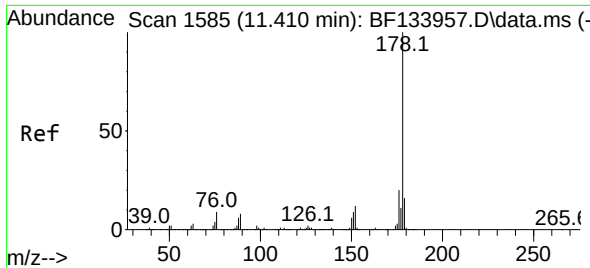
Ion Ratio Lower Upper

248 100

250 186.6 76.2 114.4#

141 500.0 59.0 88.4#

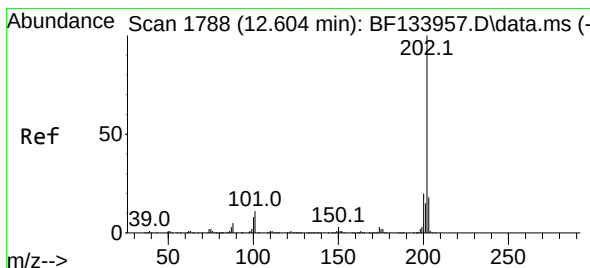
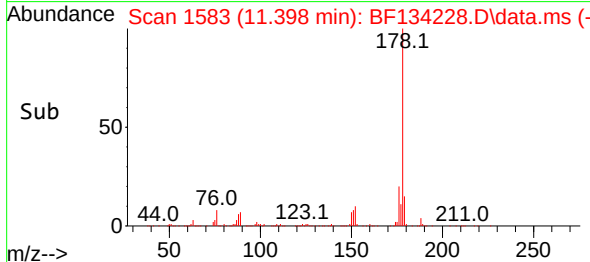
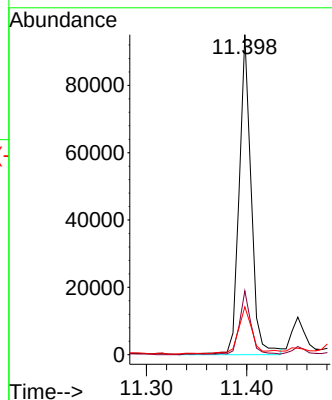
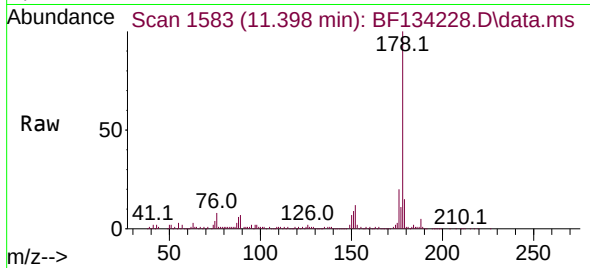




#71
Phenanthrene
Concen: 5.399 ng
RT: 11.398 min Scan# 1139
Delta R.T. -0.006 min
Lab File: BF134228.D
Acq: 11 Jul 2023 23:34

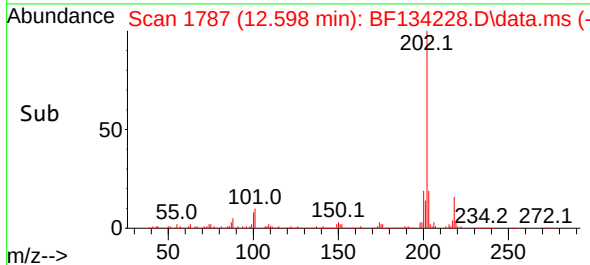
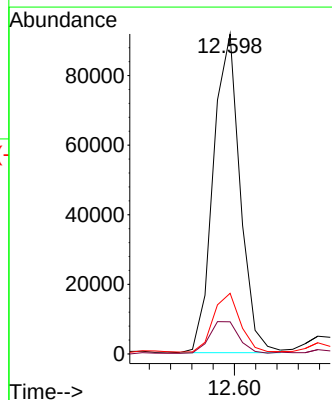
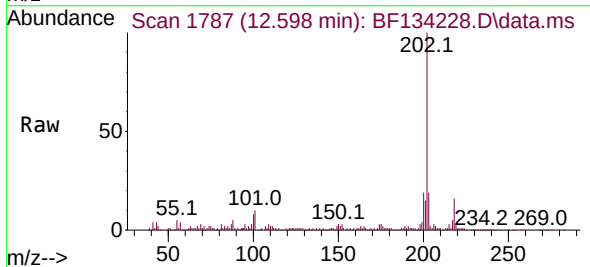
Instrument :
BNA_F
ClientSampleId :

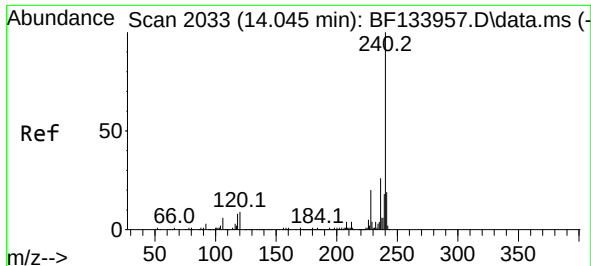
Tgt Ion:178 Resp: 79191
Ion Ratio Lower Upper
178 100
176 19.9 16.0 24.0
179 15.0 12.4 18.6



#75
Fluoranthene
Concen: 5.062 ng
RT: 12.598 min Scan# 1787
Delta R.T. -0.006 min
Lab File: BF134228.D
Acq: 11 Jul 2023 23:34

Tgt Ion:202 Resp: 80272
Ion Ratio Lower Upper
202 100
101 10.0 0.0 31.0
203 19.0 0.0 37.6

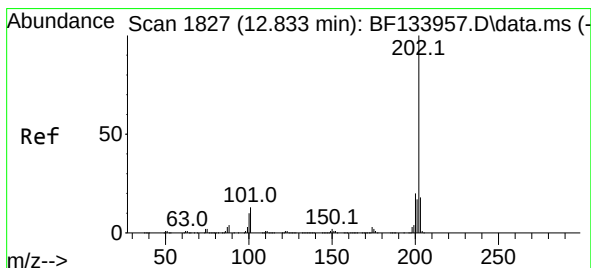
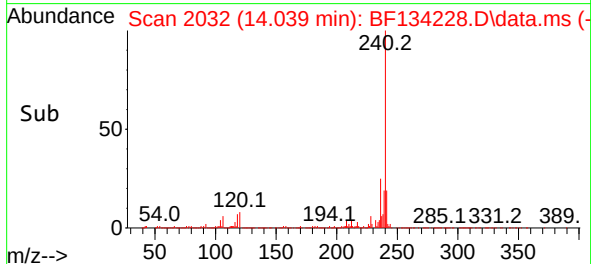
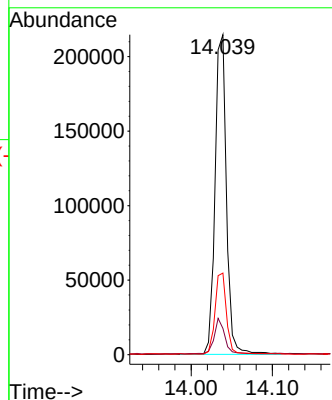
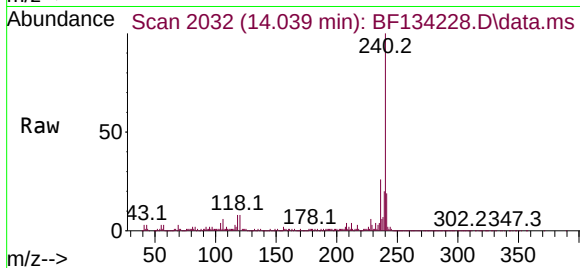




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF134228.D
Acq: 11 Jul 2023 23:34

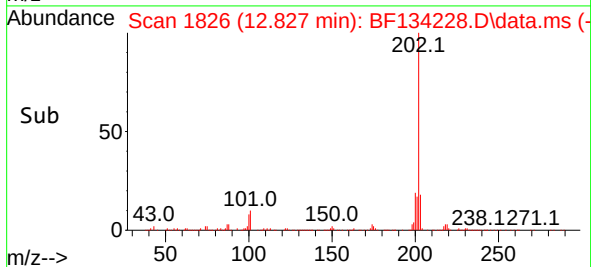
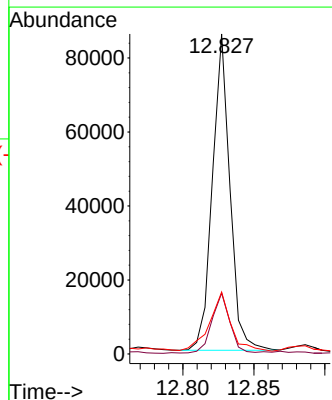
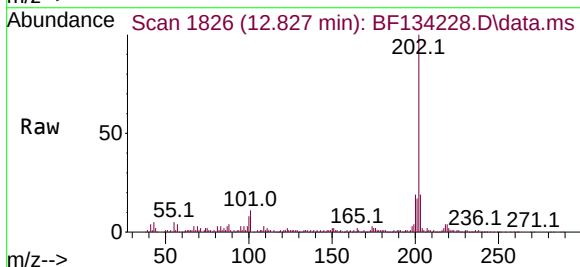
Instrument :
BNA_F
ClientSampleId :

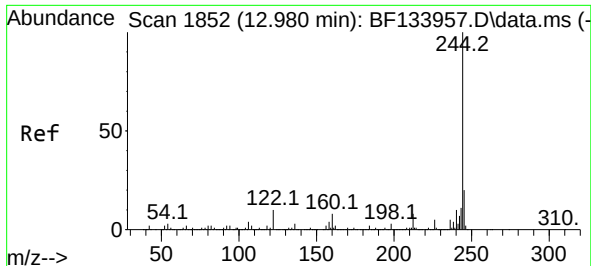
Tgt Ion:240 Resp: 208813
Ion Ratio Lower Upper
240 100
120 8.2 7.4 11.0
236 25.5 21.0 31.6



#78
Pyrene
Concen: 3.761 ng
RT: 12.827 min Scan# 1826
Delta R.T. -0.006 min
Lab File: BF134228.D
Acq: 11 Jul 2023 23:34

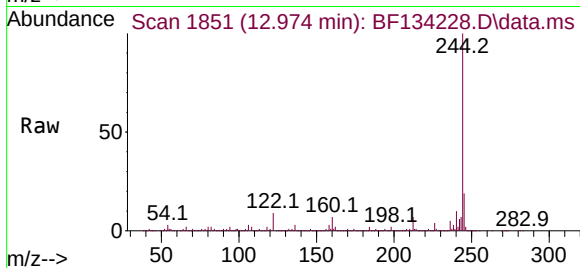
Tgt Ion:202 Resp: 73096
Ion Ratio Lower Upper
202 100
200 19.0 16.1 24.1
203 19.4 14.3 21.5



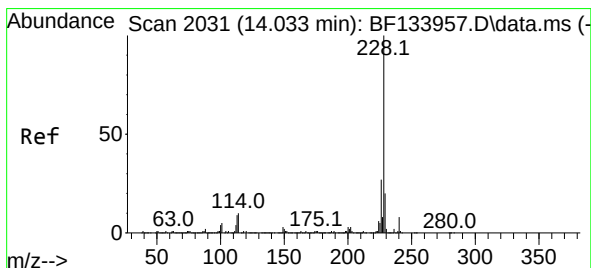
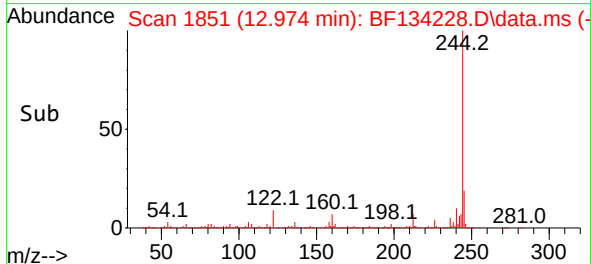
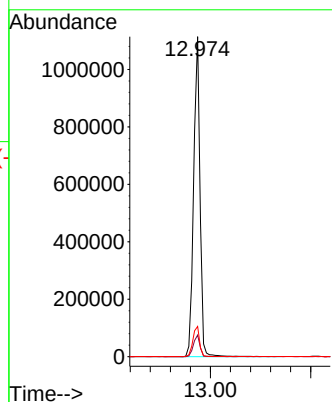


#79
 Terphenyl-d14
 Concen: 75.302 ng
 RT: 12.974 min Scan# 1851
 Delta R.T. 0.000 min
 Lab File: BF134228.D
 Acq: 11 Jul 2023 23:34

Instrument :
 BNA_F
 ClientSampleId :

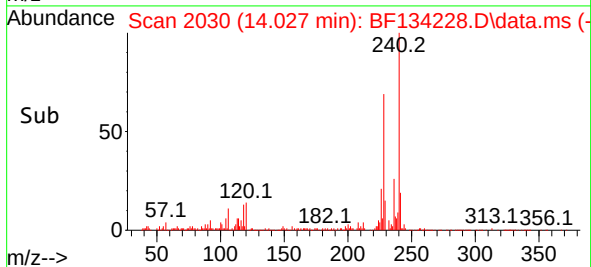
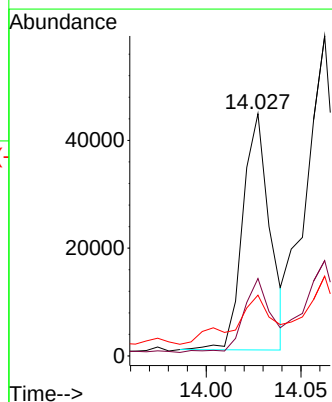
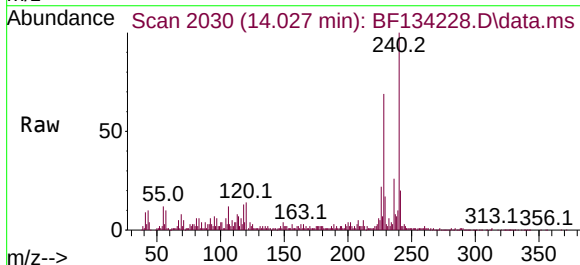


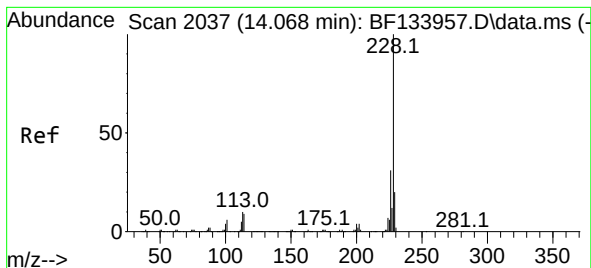
Tgt Ion:244 Resp: 977000
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.0 9.0
 122 9.4 8.3 12.5



#81
 Benzo(a)anthracene
 Concen: 3.004 ng
 RT: 14.027 min Scan# 2030
 Delta R.T. -0.006 min
 Lab File: BF134228.D
 Acq: 11 Jul 2023 23:34

Tgt Ion:228 Resp: 43497
 Ion Ratio Lower Upper
 228 100
 226 32.0 22.0 33.0
 229 25.1 16.3 24.5#





#83

Chrysene

Concen: 4.658 ng

RT: 14.063 min Scan# 2037

Delta R.T. -0.006 min

Lab File: BF134228.D

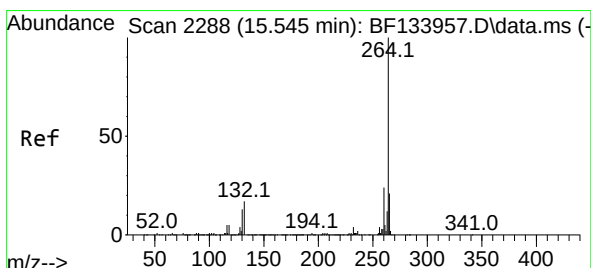
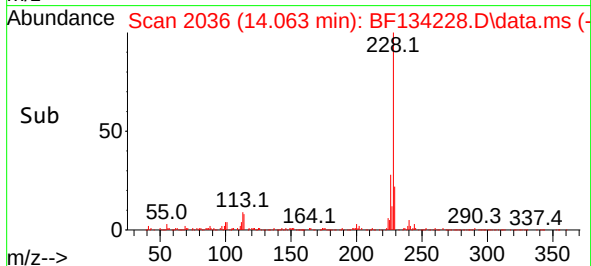
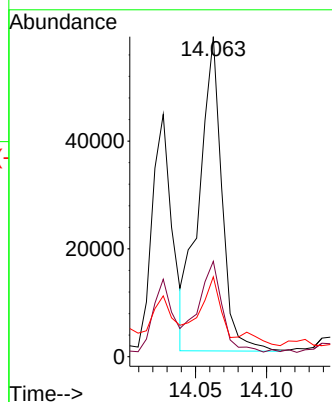
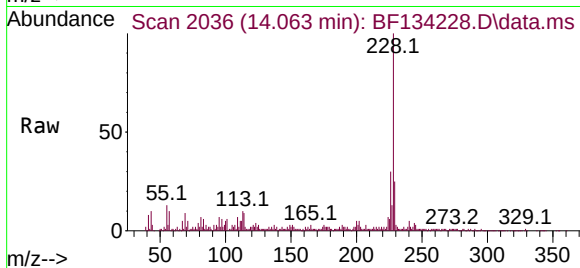
Acq: 11 Jul 2023 23:34

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:228	Resp: 65339
Ion Ratio	Lower Upper
228 100	
226 29.8	24.4 36.6
229 24.9	16.1 24.1#



#86

Perylene-d12

Concen: 20.000 ng

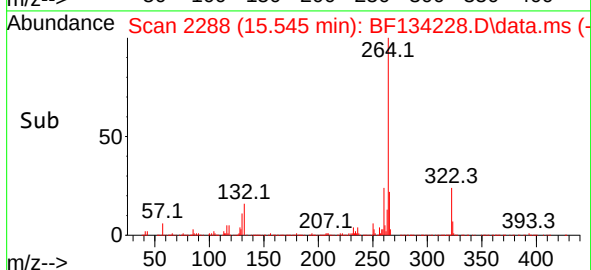
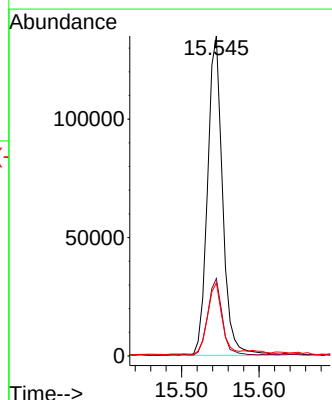
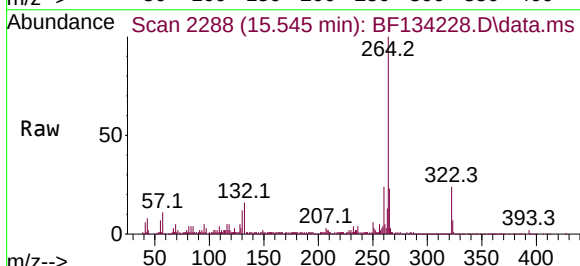
RT: 15.545 min Scan# 2288

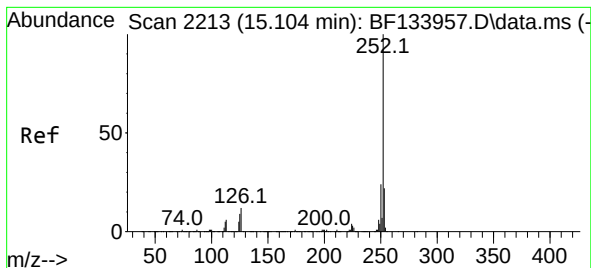
Delta R.T. 0.000 min

Lab File: BF134228.D

Acq: 11 Jul 2023 23:34

Tgt Ion:264	Resp: 181700
Ion Ratio	Lower Upper
264 100	
260 24.2	19.5 29.3
265 22.8	16.6 25.0





#88

Benzo(b)fluoranthene

Concen: 6.837 ng

RT: 15.098 min Scan# 2212

Delta R.T. -0.006 min

Lab File: BF134228.D

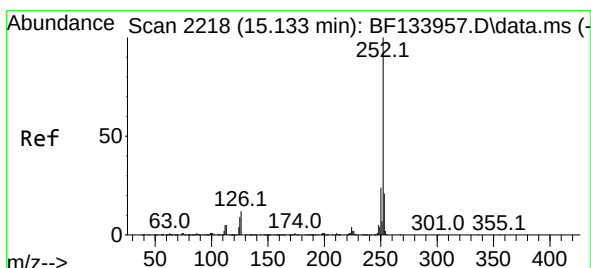
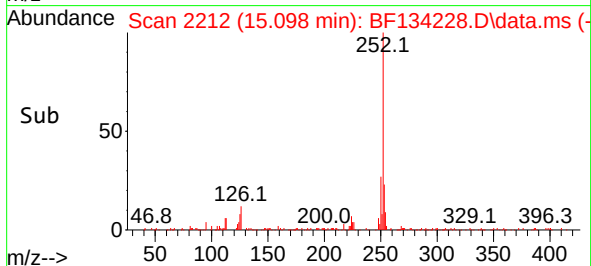
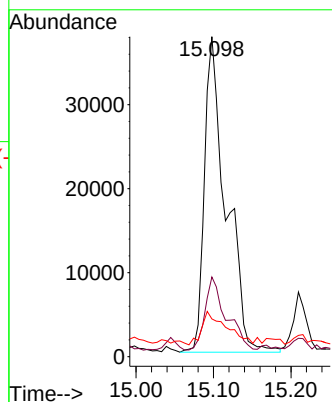
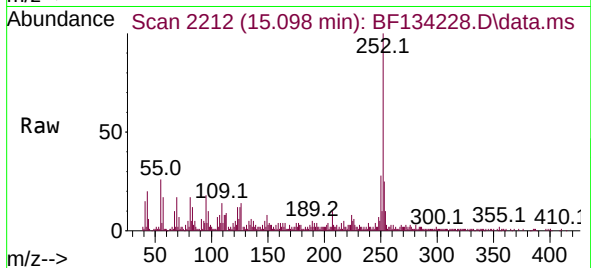
Acq: 11 Jul 2023 23:34

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:252	Resp:	73046
Ion Ratio	Lower	Upper
252	100	
253	24.9	17.4 26.0
125	11.8	7.1 10.7#



#89

Benzo(k)fluoranthene

Concen: 6.715 ng

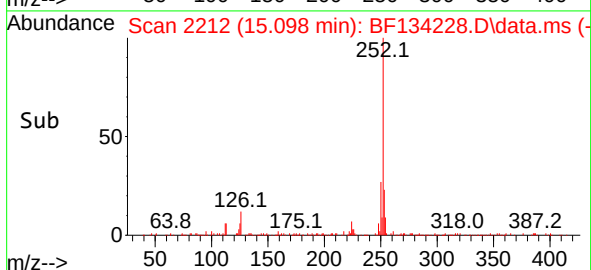
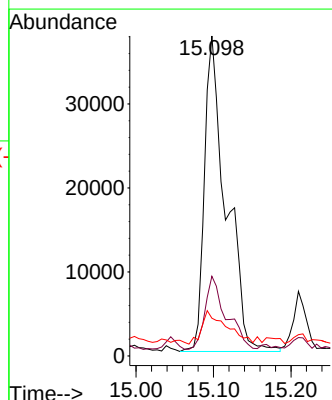
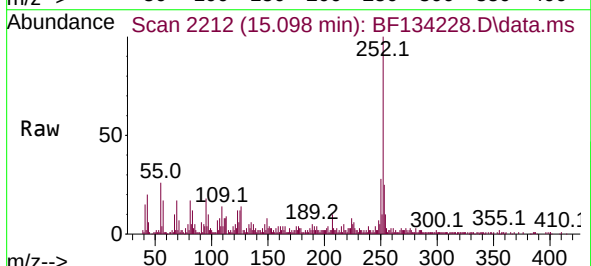
RT: 15.098 min Scan# 2212

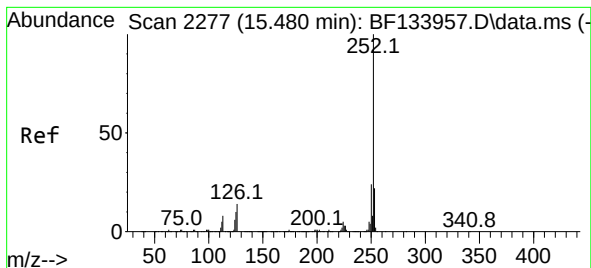
Delta R.T. -0.035 min

Lab File: BF134228.D

Acq: 11 Jul 2023 23:34

Tgt Ion:252	Resp:	73046
Ion Ratio	Lower	Upper
252	100	
253	24.9	16.9 25.3
125	11.8	7.4 11.2#





#90

Benzo(a)pyrene

Concen: 3.073 ng

RT: 15.474 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF134228.D

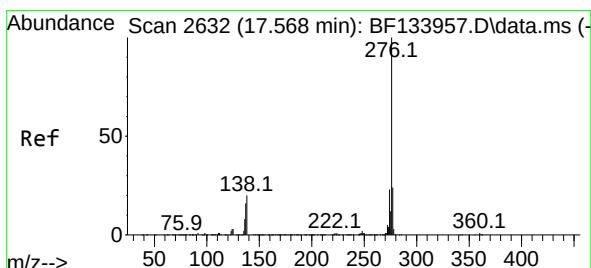
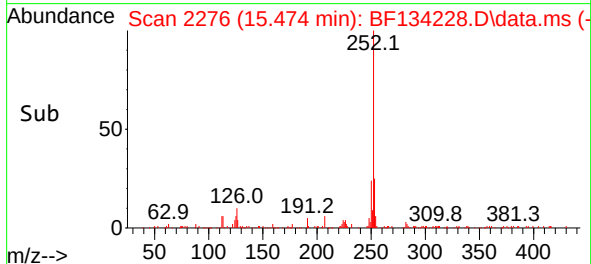
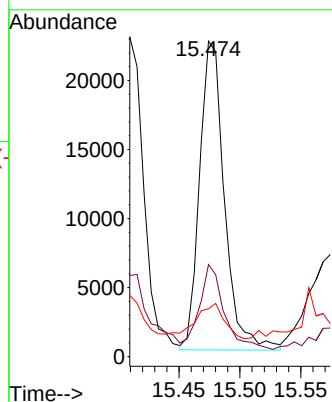
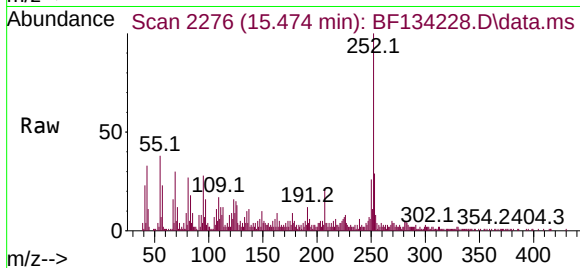
Acq: 11 Jul 2023 23:34

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:252 Resp: 31744
 Ion Ratio Lower Upper
 252 100
 253 29.2 17.4 26.0#
 125 15.2 8.4 12.6#



#92

Benzo(g,h,i)perylene

Concen: 2.169 ng

RT: 17.556 min Scan# 2630

Delta R.T. -0.012 min

Lab File: BF134228.D

Acq: 11 Jul 2023 23:34

Tgt Ion:276 Resp: 23036
 Ion Ratio Lower Upper
 276 100
 277 24.4 19.0 28.6
 138 25.0 16.2 24.2#

