

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072123\
 Data File : BF134413.D
 Acq On : 21 Jul 2023 21:50
 Operator : CG\JU
 Sample : 03633-02
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 22 05:07:00 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 14 22:51:27 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	55811	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	197081	20.000	ng	# 0.00
39) Acenaphthene-d10	9.874	164	84186	20.000	ng	0.00
64) Phenanthrene-d10	11.380	188	146638	20.000	ng	0.00
76) Chrysene-d12	14.080	240	115079	20.000	ng	0.04
86) Perylene-d12	15.592	264	80912	20.000	ng	# 0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	361699	108.408	ng	0.01
7) Phenol-d6	6.480	99	449140	109.462	ng	0.00
23) Nitrobenzene-d5	7.404	82	300834	82.284	ng	0.00
42) 2,4,6-Tribromophenol	10.674	330	133407	126.389	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	512635	88.532	ng	0.00
79) Terphenyl-d14	12.998	244	513243	71.779	ng	0.02
Target Compounds						
						Qvalue
6) Aniline	6.539	93	18143	3.634	ng	# 54
15) Benzyl Alcohol	6.951	79	18500	5.849	ng	# 63
17) 2-Methylphenol	7.098	107	6824	2.250	ng	90
19) n-Nitroso-di-n-propyla...	7.404	70	41454	15.931	ng	# 75
20) 3+4-Methylphenols	7.257	107	47786	12.987	ng	# 54
25) Isophorone	7.404	82	298339	44.899	ng	# 64
27) 2,4-Dimethylphenol	7.780	122	19484	6.945	ng	93
28) bis(2-Chloroethoxy)met...	7.863	93	10379	2.698	ng	# 1
31) Naphthalene	8.139	128	69927	7.346	ng	99
32) Benzoic acid	7.898	122	55039	26.181	ng	# 28
33) 4-Chloroaniline	8.139	127	9687	2.379	ng	# 1
37) 2-Methylnaphthalene	8.833	142	44504	6.611	ng	97
38) 1-Methylnaphthalene	8.933	142	36535	5.838	ng	98
46) 1,1'-Biphenyl	9.298	154	16808	2.489	ng	96
49) Acenaphthylene	9.739	152	66352	7.861	ng	# 97
51) 2,6-Dinitrotoluene	9.716	165	3414	2.594	ng	# 1
52) Acenaphthene	9.910	154	37137	7.583	ng	91
54) 2,4-Dinitrophenol	10.027	184	1913	6.259	ng	# 1
55) Dibenzofuran	10.086	168	54125	7.071	ng	# 91
56) 4-Nitrophenol	10.021	139	2245	2.033	ng	# 74
57) 2,4-Dinitrotoluene	10.057	165	3583	2.061	ng	# 62
58) Fluorene	10.433	166	74980	12.591	ng	# 95
65) 4,6-Dinitro-2-methylph...	10.639	198	2474	3.095	ng	# 1
66) n-Nitrosodiphenylamine	10.539	169	12343	2.635	ng	# 83
69) Atrazine	11.151	200	7858	6.064	ng	88
71) Phenanthrene	11.410	178	756609	102.494	ng	98
72) Anthracene	11.457	178	185251	24.127	ng	99
73) Carbazole	11.615	167	60012	8.539	ng	# 91
75) Fluoranthene	12.633	202	696233	87.240	ng	99
78) Pyrene	12.862	202	595946	55.646	ng	99
80) Butylbenzylphthalate	13.480	149	13026	3.243	ng	# 1
81) Benzo(a)anthracene	14.068	228	254012	31.827	ng	# 93
82) 3,3'-Dichlorobenzidine	14.003	252	6698	2.649	ng	# 84
83) Chrysene	14.109	228	216012	27.944	ng	# 94
87) Indeno(1,2,3-cd)pyrene	17.144	276	91578	16.311	ng	# 95
88) Benzo(b)fluoranthene	15.145	252	284075	59.709	ng	# 92

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ALS Vial : 23 Sample Multiplier: 1

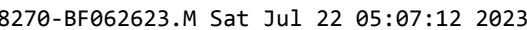
Instrument :
BNA_F
ClientSampleId :

Quant Time: Jul 22 05:07:00 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 14 22:51:27 2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) Benzo(k)fluoranthene	15.145	252	284075	58.644	ng	# 91
90) Benzo(a)pyrene	15.527	252	154922	33.674	ng	# 93
91) Dibenzo(a,h)anthracene	17.144	278	21710	4.734	ng	# 79
92) Benzo(g,h,i)perylene	17.621	276	84228	17.811	ng	# 94

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

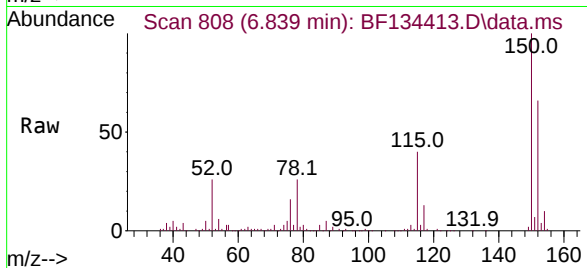
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
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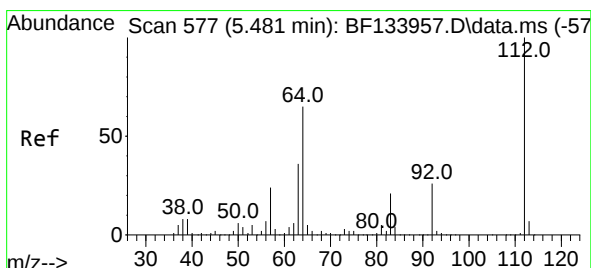
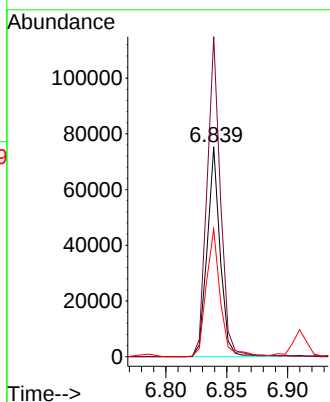
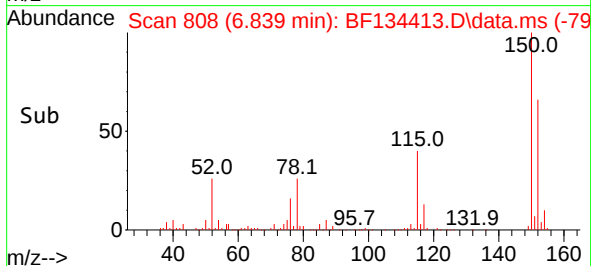


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF134413.D
Acq: 21 Jul 2023 21:50

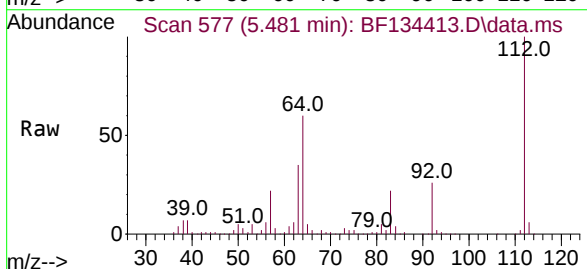
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BNA_F
ClientSampleId :



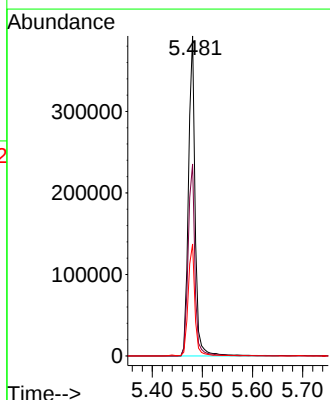
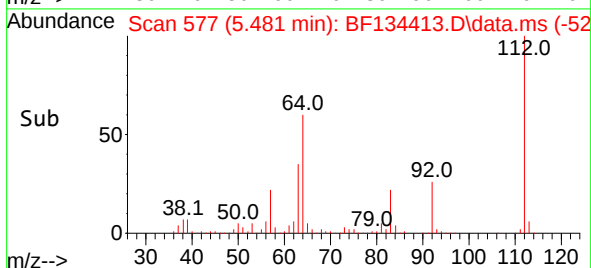
Tgt Ion:152 Resp: 55811
Ion Ratio Lower Upper
152 100
150 152.4 124.5 186.7
115 60.8 50.2 75.2

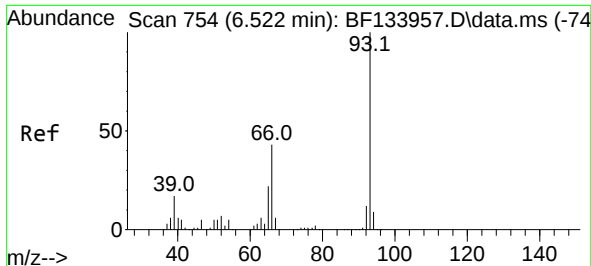


#5
2-Fluorophenol
Concen: 108.408 ng
RT: 5.481 min Scan# 577
Delta R.T. 0.012 min
Lab File: BF134413.D
Acq: 21 Jul 2023 21:50



Tgt Ion:112 Resp: 361699
Ion Ratio Lower Upper
112 100
64 60.0 52.1 78.1
63 35.0 28.6 42.8

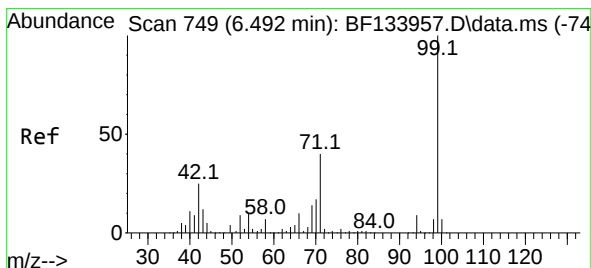
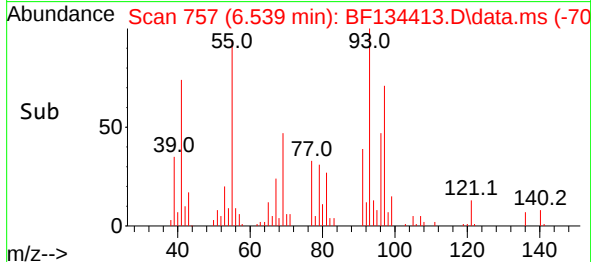
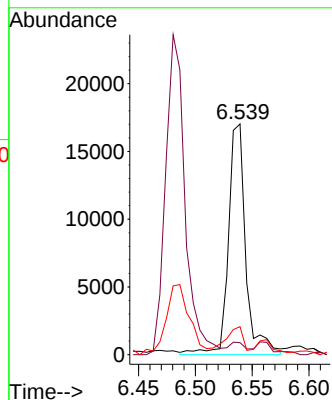
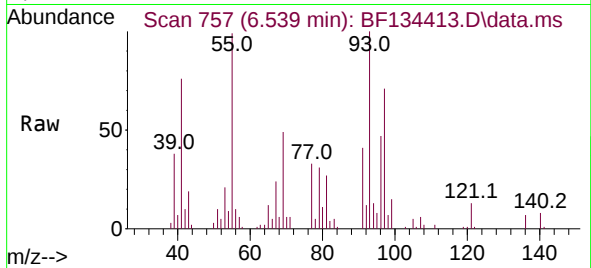




#6
Aniline
Concen: 3.634 ng
RT: 6.539 min Scan# 71
Delta R.T. 0.029 min
Lab File: BF134413.D
Acq: 21 Jul 2023 21:50

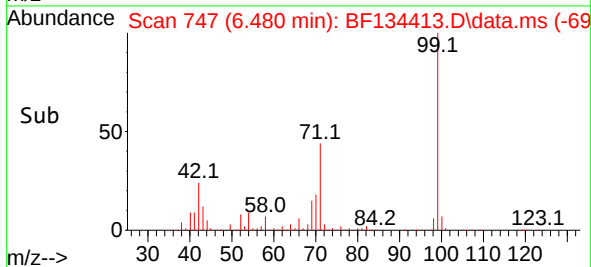
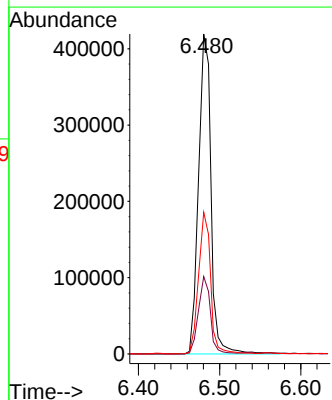
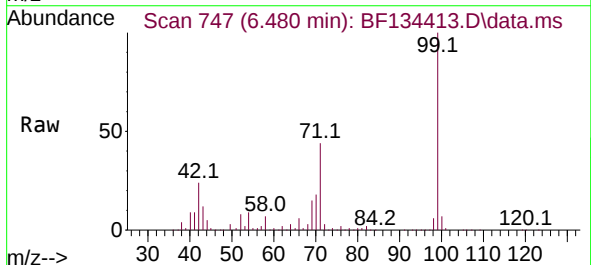
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BNA_F
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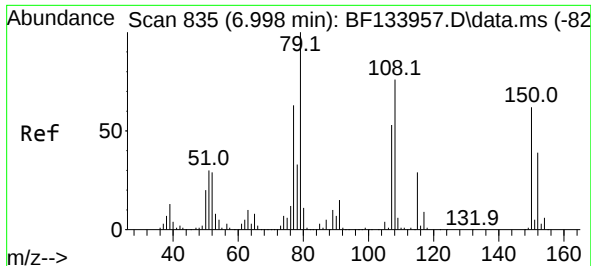
Tgt Ion: 93 Resp: 18143
Ion Ratio Lower Upper
93 100
66 5.2 34.5 51.7#
65 12.2 17.8 26.6#



#7
Phenol-d6
Concen: 109.462 ng
RT: 6.480 min Scan# 747
Delta R.T. -0.006 min
Lab File: BF134413.D
Acq: 21 Jul 2023 21:50

Tgt Ion: 99 Resp: 449140
Ion Ratio Lower Upper
99 100
42 24.2 19.8 29.6
71 44.3 31.9 47.9

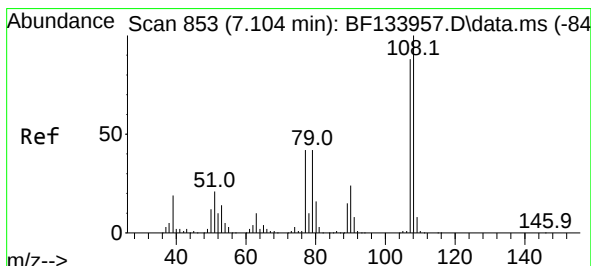
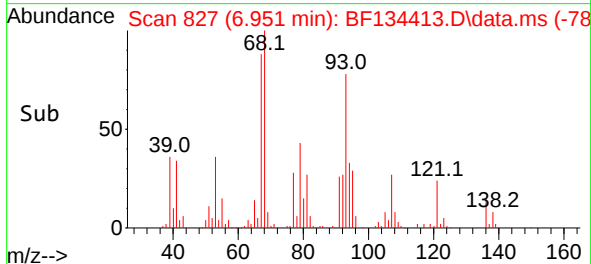
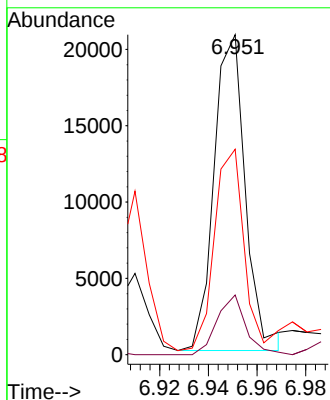
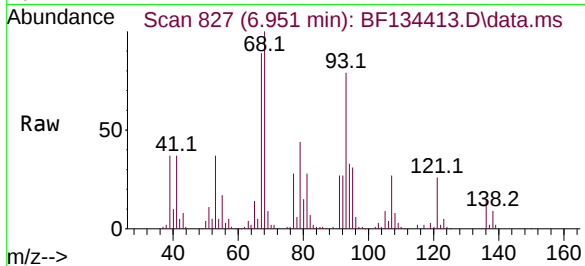




#15
Benzyl Alcohol
Concen: 5.849 ng
RT: 6.951 min Scan# 81
Delta R.T. -0.035 min
Lab File: BF134413.D
Acq: 21 Jul 2023 21:50

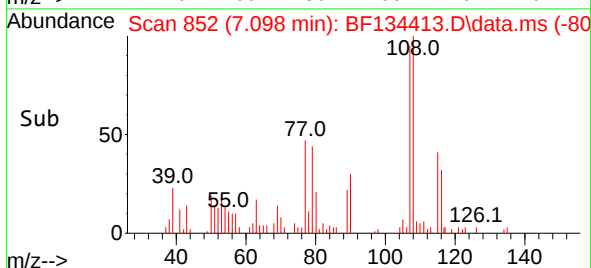
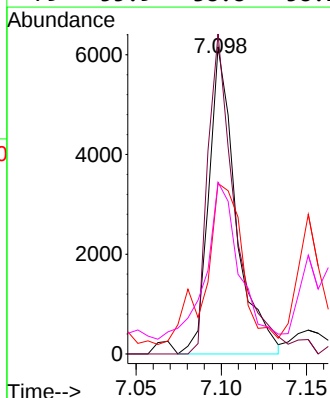
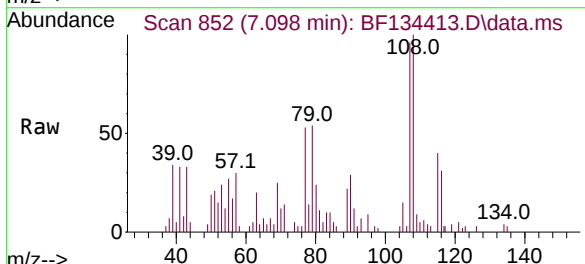
Instrument :
BNA_F
ClientSampleId :

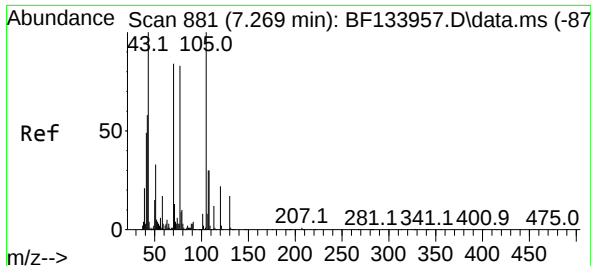
Tgt Ion: 79 Resp: 18500
Ion Ratio Lower Upper
79 100
108 18.6 60.7 91.1#
77 64.2 50.6 75.8



#17
2-Methylphenol
Concen: 2.250 ng
RT: 7.098 min Scan# 852
Delta R.T. -0.000 min
Lab File: BF134413.D
Acq: 21 Jul 2023 21:50

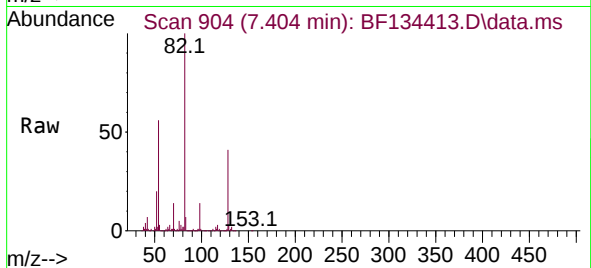
Tgt Ion: 107 Resp: 6824
Ion Ratio Lower Upper
107 100
108 104.2 90.6 136.0
77 55.5 38.3 57.5
79 55.9 38.8 58.2



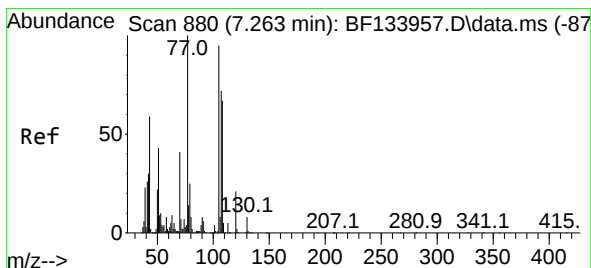
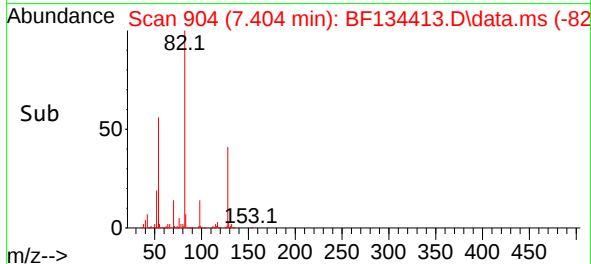
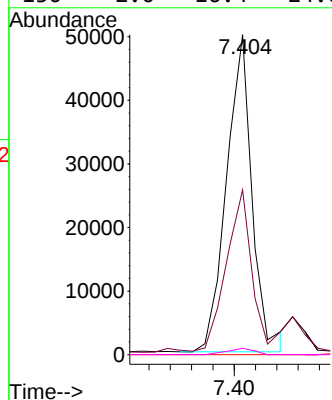


#19
n-Nitroso-di-n-propylamine
Concen: 15.931 ng
RT: 7.404 min Scan# 90
Delta R.T. 0.147 min
Lab File: BF134413.D
Acq: 21 Jul 2023 21:50

Instrument :
BNA_F
ClientSampleId :

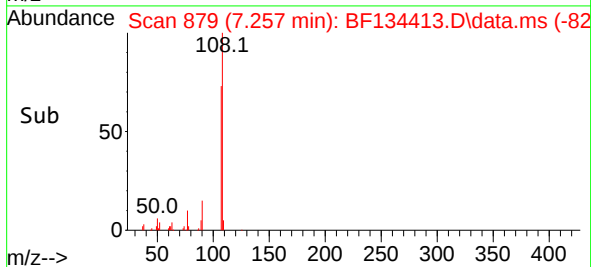
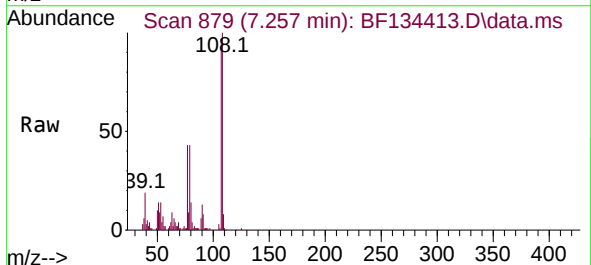
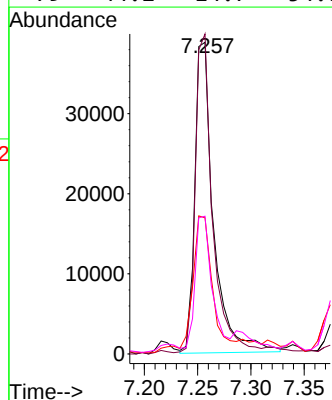


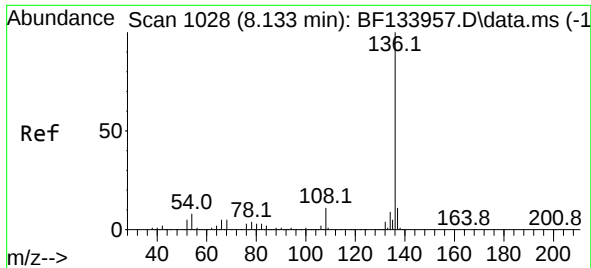
Tgt Ion: 70 Resp: 41454
Ion Ratio Lower Upper
70 100
42 51.5 54.7 82.1#
101 0.0 7.7 11.5#
130 2.0 16.4 24.6#



#20
3+4-Methylphenols
Concen: 12.987 ng
RT: 7.257 min Scan# 879
Delta R.T. 0.006 min
Lab File: BF134413.D
Acq: 21 Jul 2023 21:50

Tgt Ion: 107 Resp: 47786
Ion Ratio Lower Upper
107 100
108 102.7 73.2 113.2
77 43.7 118.3 158.3#
79 44.2 14.7 54.7

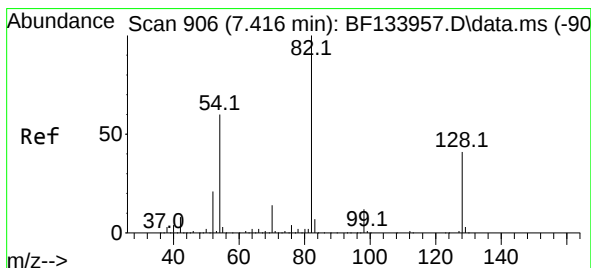
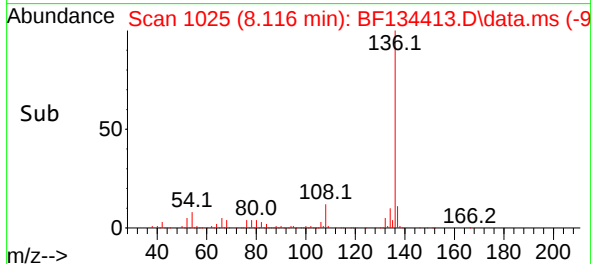
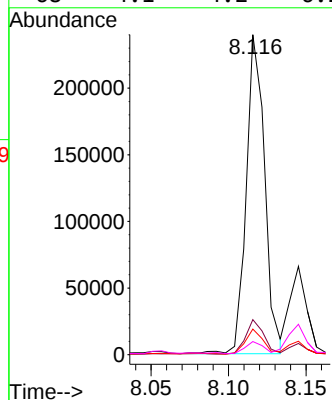
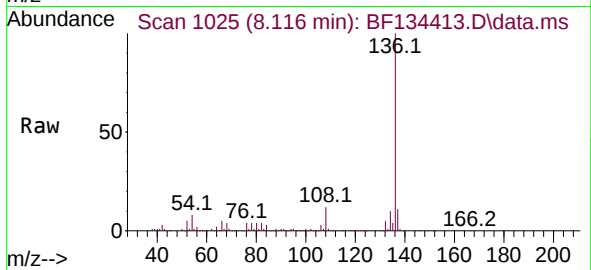




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF134413.D
Acq: 21 Jul 2023 21:50

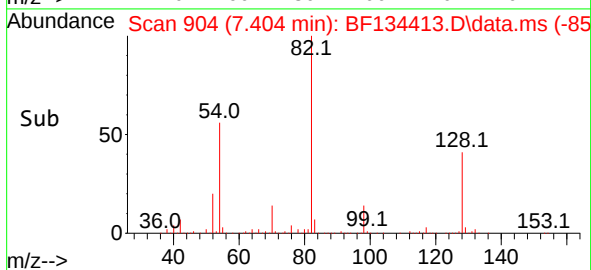
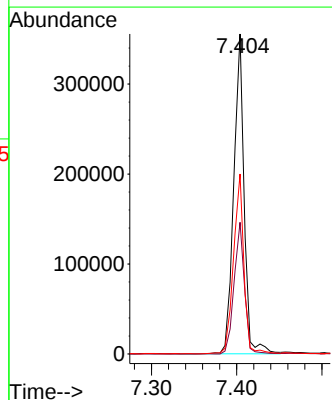
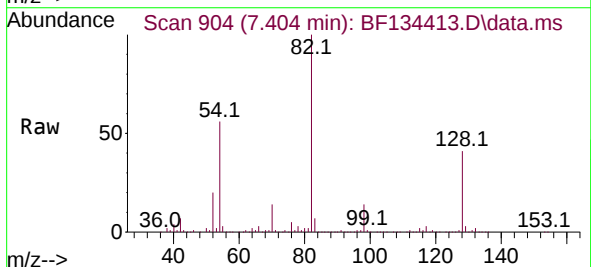
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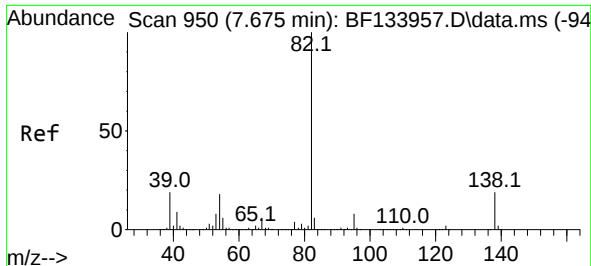
Tgt Ion:136 Resp: 197081
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 8.0 6.5 9.7
68 4.1 4.2 6.2#



#23
Nitrobenzene-d5
Concen: 82.284 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.006 min
Lab File: BF134413.D
Acq: 21 Jul 2023 21:50

Tgt Ion: 82 Resp: 300834
Ion Ratio Lower Upper
82 100
128 41.1 32.5 48.7
54 56.2 48.2 72.2

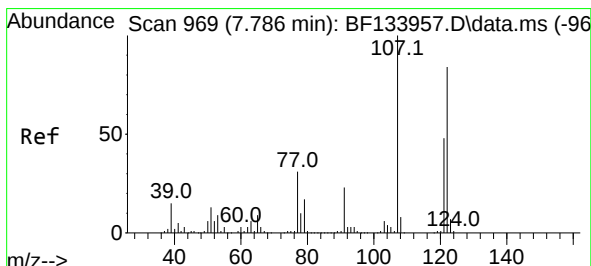
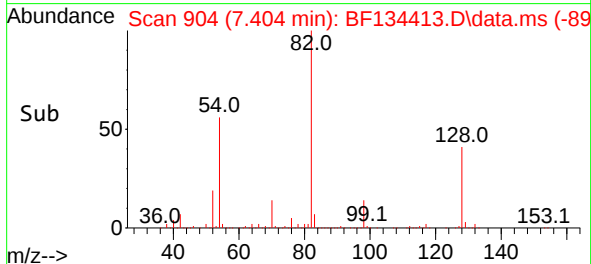
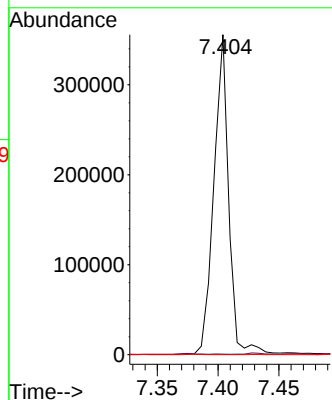
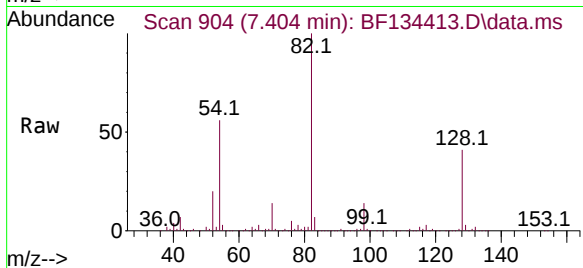




#25
Isophorone
Concen: 44.899 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.259 min
Lab File: BF134413.D
Acq: 21 Jul 2023 21:50

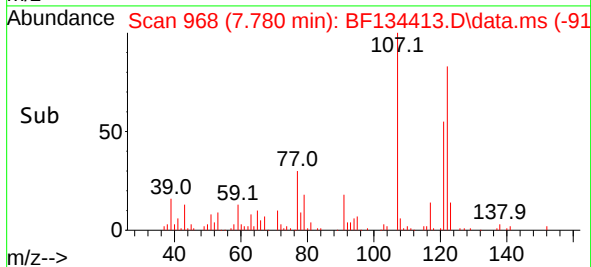
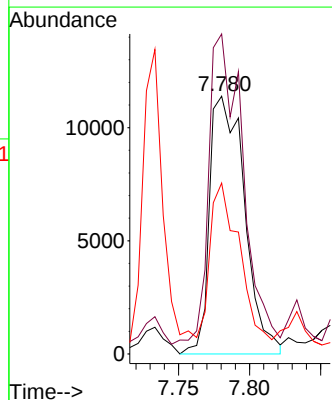
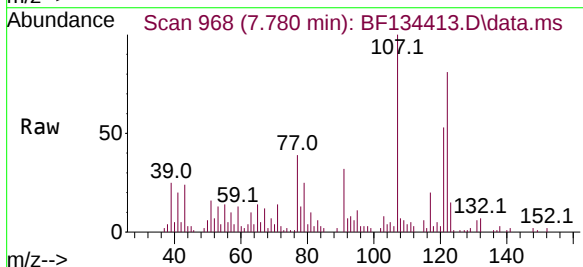
Instrument :
BNA_F
ClientSampleId :

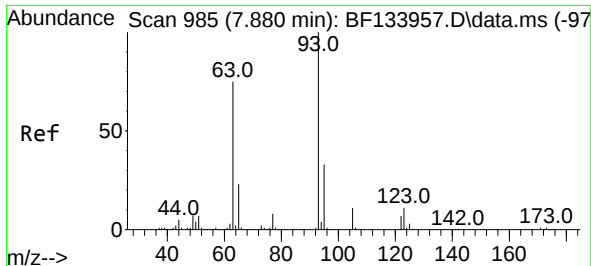
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Ion Ratio Lower Upper
82 100
95 0.1 6.1 9.1#
138 0.0 15.2 22.8#



#27
2,4-Dimethylphenol
Concen: 6.945 ng
RT: 7.780 min Scan# 968
Delta R.T. -0.000 min
Lab File: BF134413.D
Acq: 21 Jul 2023 21:50

Tgt Ion:122 Resp: 19484
Ion Ratio Lower Upper
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107 124.2 95.5 143.3
121 66.3 45.5 68.3

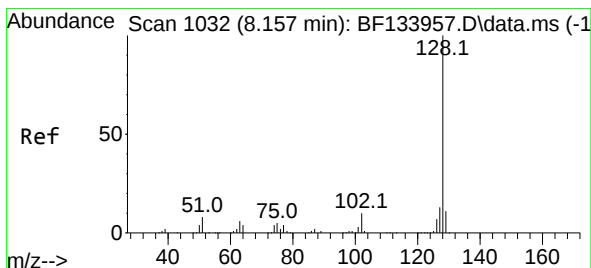
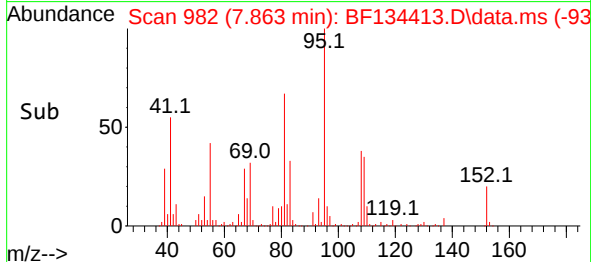
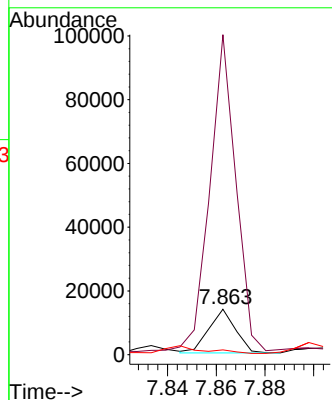
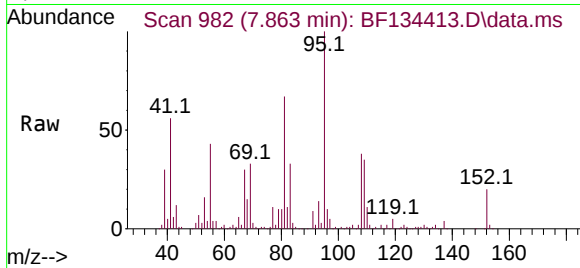




#28
bis(2-Chloroethoxy)methane
Concen: 2.698 ng
RT: 7.863 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF134413.D
Acq: 21 Jul 2023 21:50

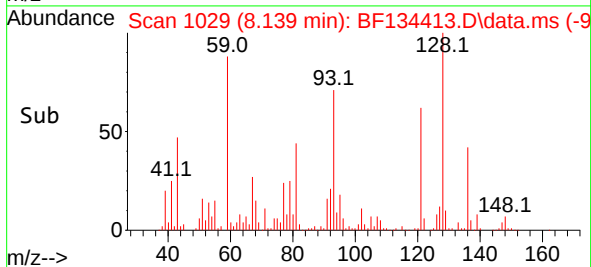
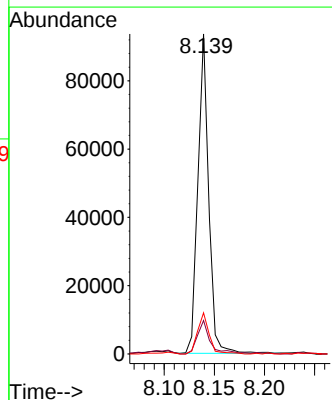
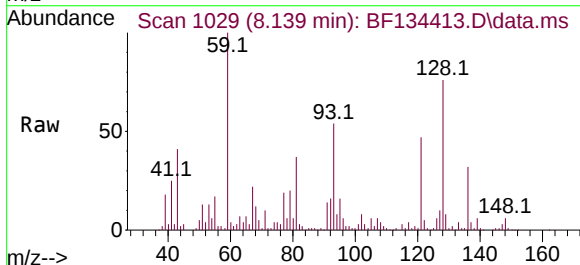
Instrument :
BNA_F
ClientSampleId :

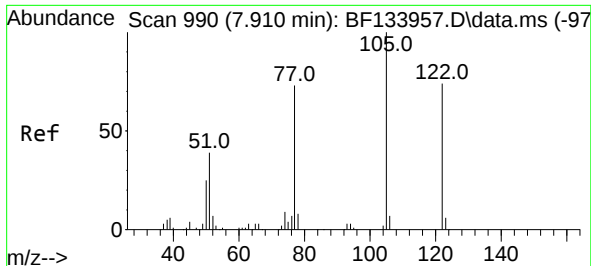
Tgt Ion: 93 Resp: 10379
Ion Ratio Lower Upper
93 100
95 704.4 26.5 39.7#
123 10.8 9.1 13.7



#31
Naphthalene
Concen: 7.346 ng
RT: 8.139 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF134413.D
Acq: 21 Jul 2023 21:50

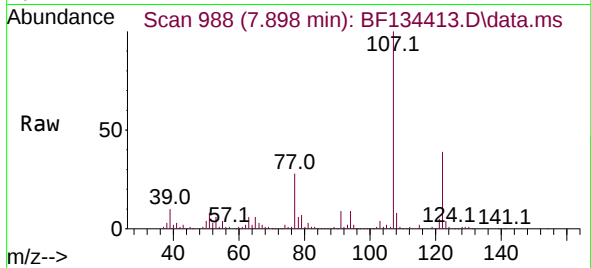
Tgt Ion: 128 Resp: 69927
Ion Ratio Lower Upper
128 100
129 10.5 8.7 13.1
127 12.9 10.6 15.8



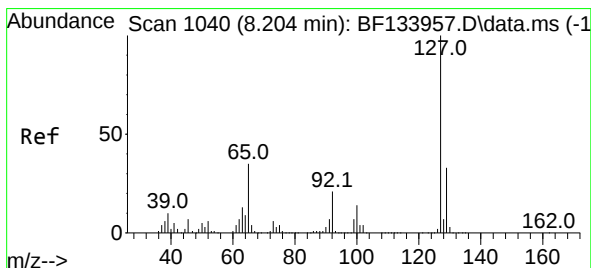
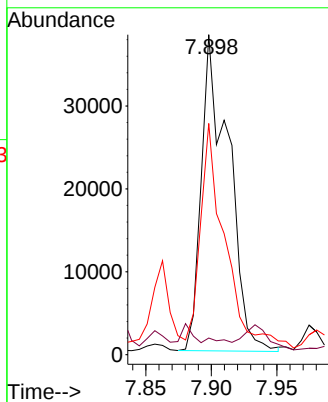
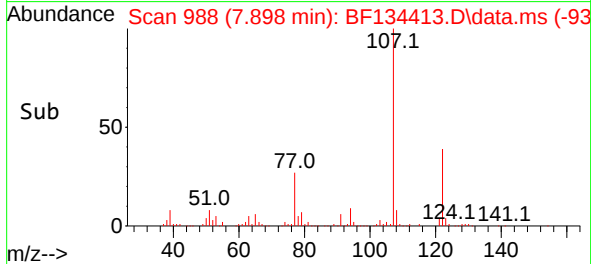


#32
Benzoic acid
Concen: 26.181 ng
RT: 7.898 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF134413.D
Acq: 21 Jul 2023 21:50

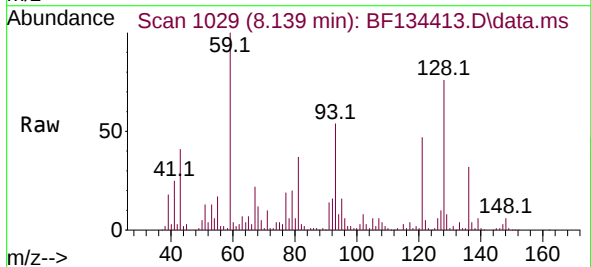
Instrument :
BNA_F
ClientSampleId :



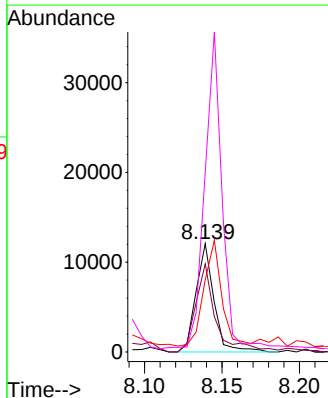
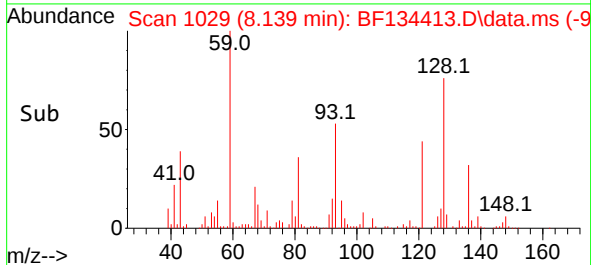
Tgt Ion:122 Resp: 55039
Ion Ratio Lower Upper
122 100
105 5.2 109.7 149.7#
77 72.2 76.0 116.0#

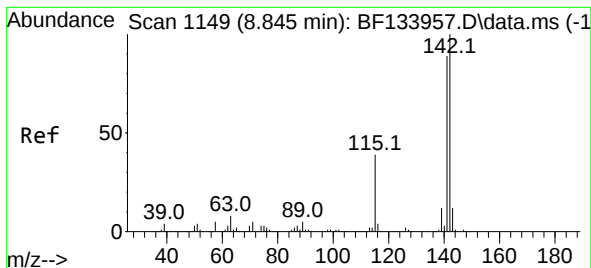


#33
4-Chloroaniline
Concen: 2.379 ng
RT: 8.139 min Scan# 1029
Delta R.T. -0.059 min
Lab File: BF134413.D
Acq: 21 Jul 2023 21:50



Tgt Ion:127 Resp: 9687
Ion Ratio Lower Upper
127 100
129 81.4 26.4 39.6#
65 66.7 27.8 41.8#
92 165.8 16.4 24.6#





#37

2-Methylnaphthalene

Concen: 6.611 ng

RT: 8.833 min Scan# 1149

Delta R.T. -0.006 min

Lab File: BF134413.D

Acq: 21 Jul 2023 21:50

Instrument :

BNA_F

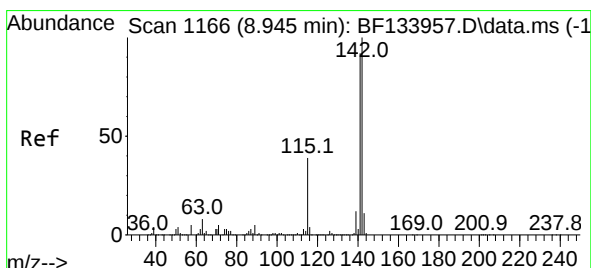
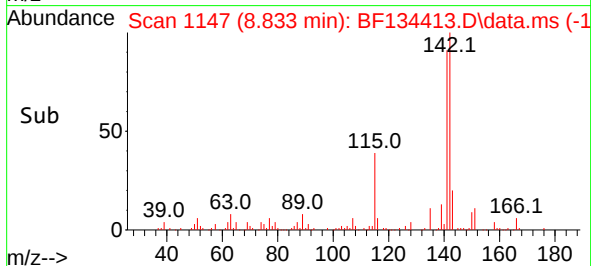
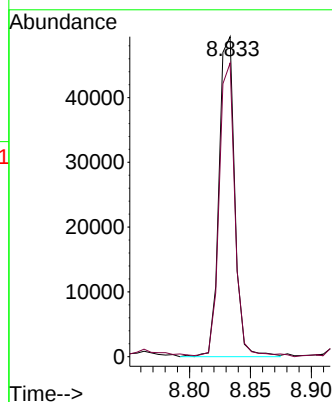
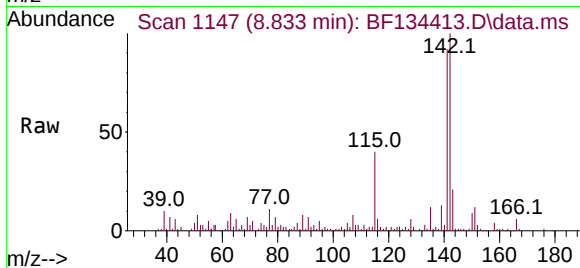
ClientSampleId :

Tgt Ion:142 Resp: 44504

Ion Ratio Lower Upper

142 100

141 91.7 71.0 106.4



#38

1-Methylnaphthalene

Concen: 5.838 ng

RT: 8.933 min Scan# 1164

Delta R.T. -0.006 min

Lab File: BF134413.D

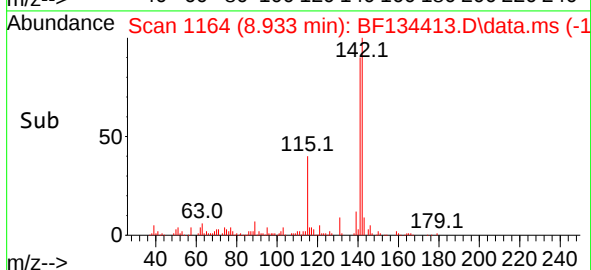
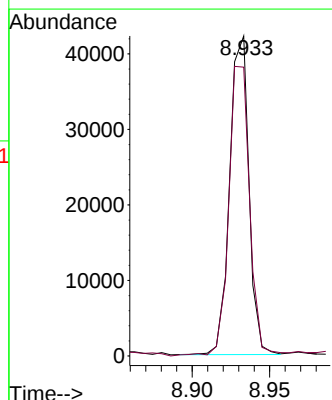
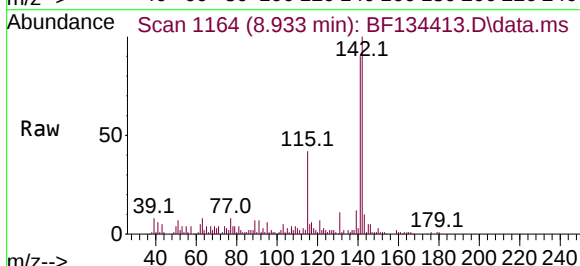
Acq: 21 Jul 2023 21:50

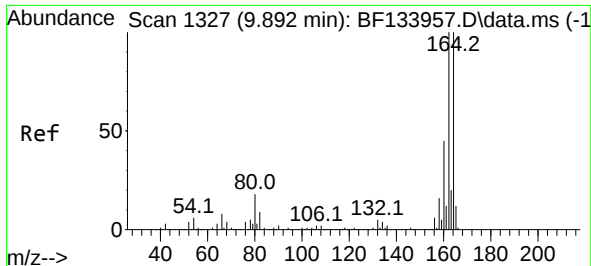
Tgt Ion:142 Resp: 36535

Ion Ratio Lower Upper

142 100

141 90.3 73.5 110.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.874 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF134413.D

Acq: 21 Jul 2023 21:50

Instrument :

BNA_F

ClientSampleId :

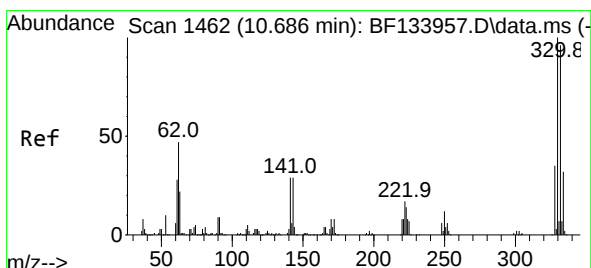
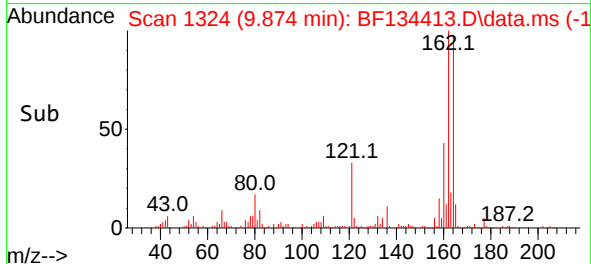
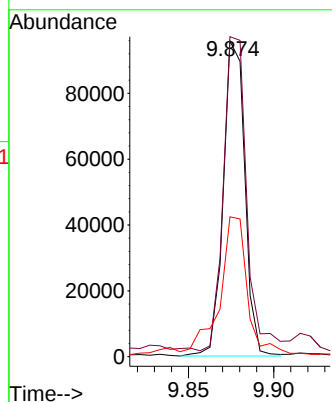
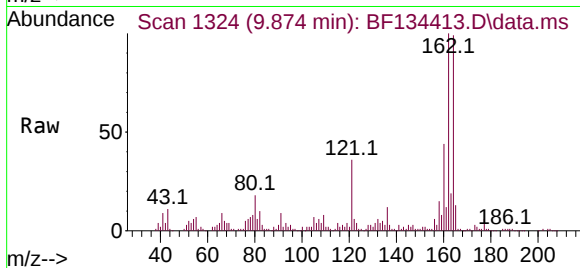
Tgt Ion:164 Resp: 84186

Ion Ratio Lower Upper

164 100

162 101.4 80.0 120.0

160 44.3 35.9 53.9



#42

2,4,6-Tribromophenol

Concen: 126.389 ng

RT: 10.674 min Scan# 1460

Delta R.T. -0.006 min

Lab File: BF134413.D

Acq: 21 Jul 2023 21:50

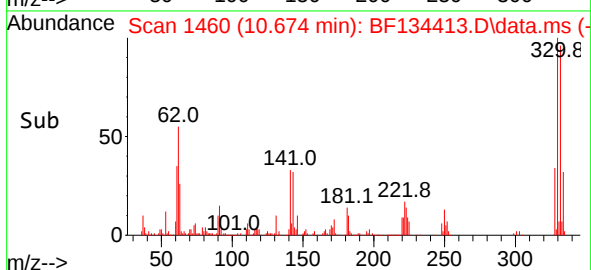
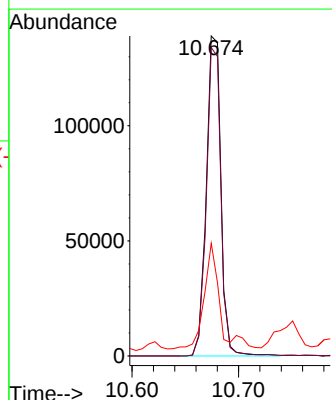
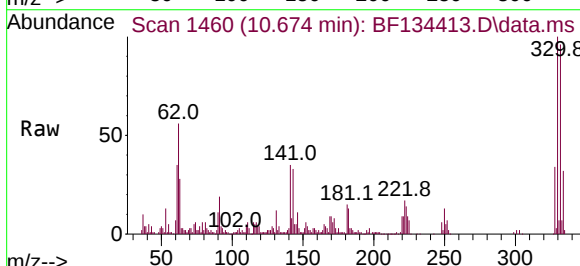
Tgt Ion:330 Resp: 133407

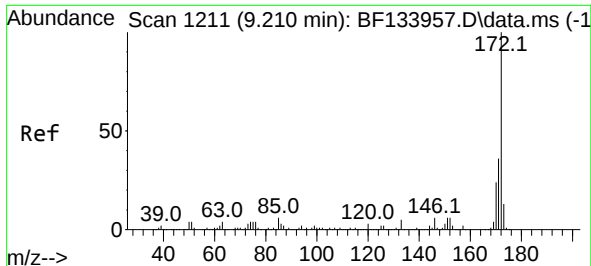
Ion Ratio Lower Upper

330 100

332 95.6 77.0 115.6

141 31.3 26.3 39.5

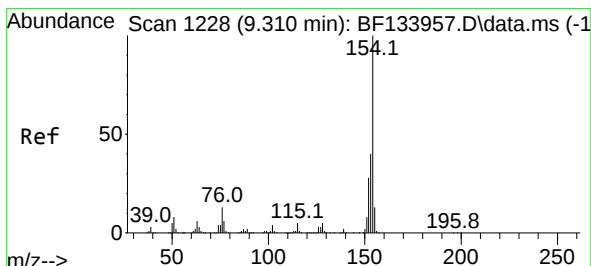
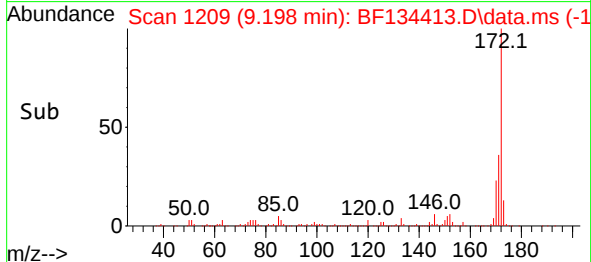
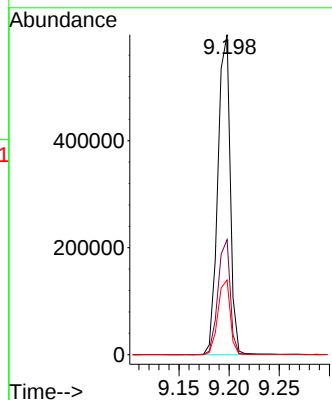
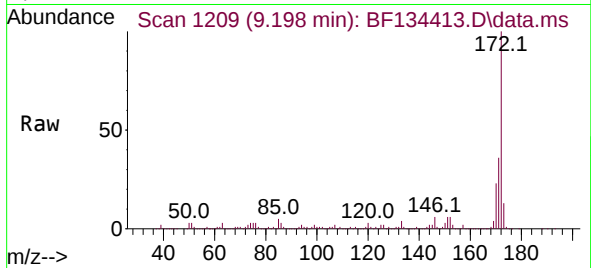




#45
2-Fluorobiphenyl
Concen: 88.532 ng
RT: 9.198 min Scan# 1209
Delta R.T. -0.006 min
Lab File: BF134413.D
Acq: 21 Jul 2023 21:50

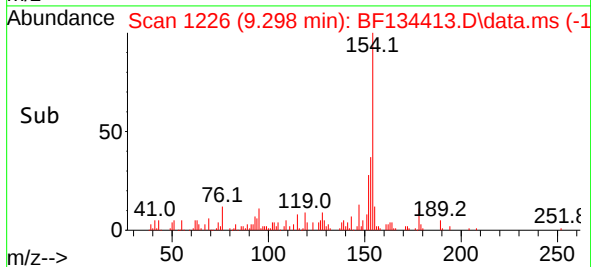
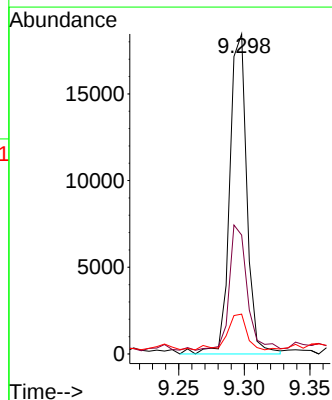
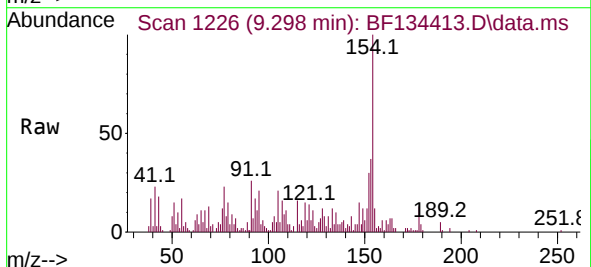
Instrument :
BNA_F
ClientSampleId :

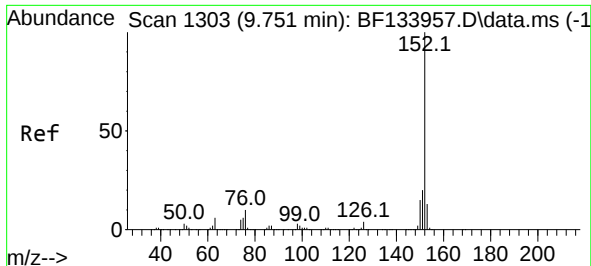
Tgt Ion:172 Resp: 512635
Ion Ratio Lower Upper
172 100
171 36.0 28.6 43.0
170 23.4 19.4 29.0



#46
1,1'-Biphenyl
Concen: 2.489 ng
RT: 9.298 min Scan# 1226
Delta R.T. -0.006 min
Lab File: BF134413.D
Acq: 21 Jul 2023 21:50

Tgt Ion:154 Resp: 16808
Ion Ratio Lower Upper
154 100
153 37.1 19.8 59.8
76 12.5 0.0 32.9





#49

Acenaphthylene

Concen: 7.861 ng

RT: 9.739 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF134413.D

Acq: 21 Jul 2023 21:50

Instrument :

BNA_F

ClientSampleId :

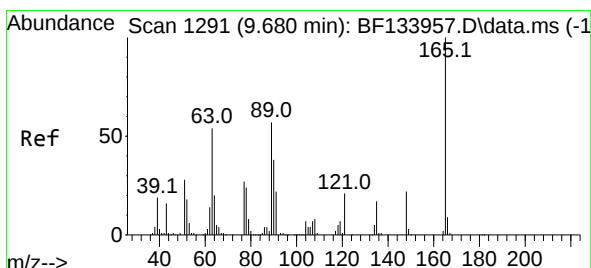
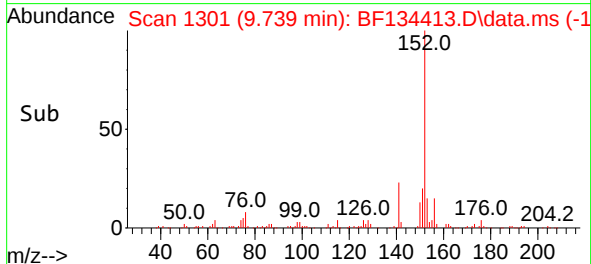
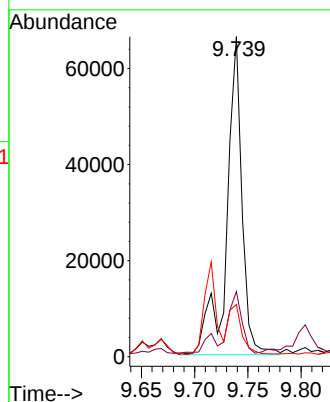
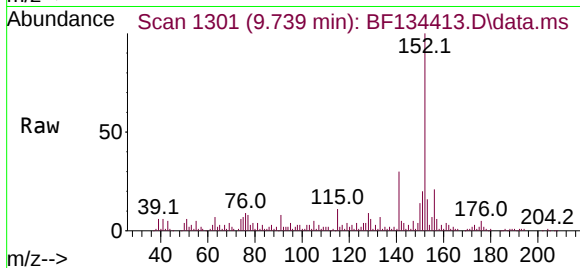
Tgt Ion:152 Resp: 66352

Ion Ratio Lower Upper

152 100

151 20.3 16.2 24.2

153 16.3 10.8 16.2#



#51

2,6-Dinitrotoluene

Concen: 2.594 ng

RT: 9.716 min Scan# 1297

Delta R.T. 0.041 min

Lab File: BF134413.D

Acq: 21 Jul 2023 21:50

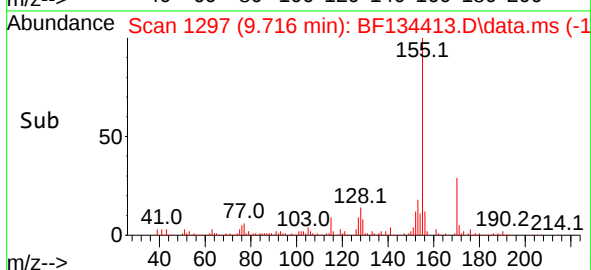
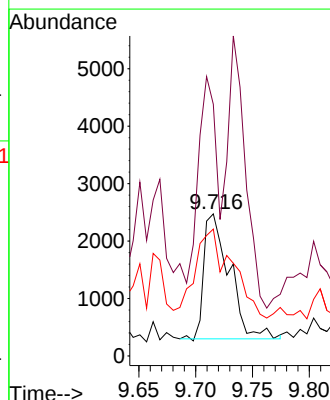
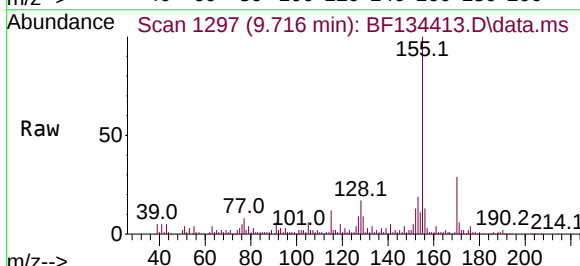
Tgt Ion:165 Resp: 3414

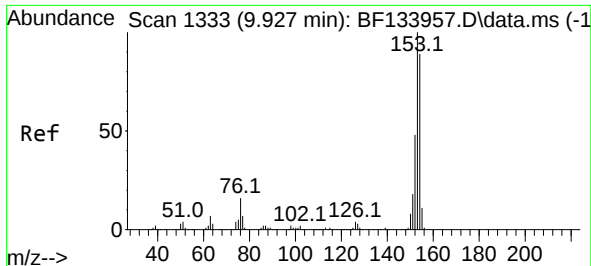
Ion Ratio Lower Upper

165 100

63 177.2 48.5 72.7#

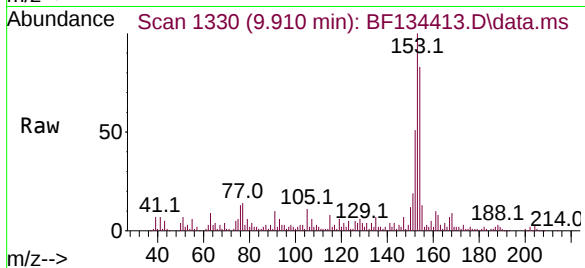
89 89.4 45.5 68.3#



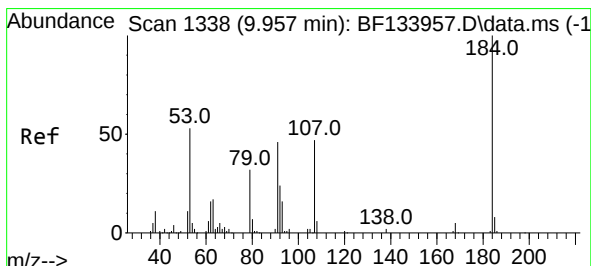
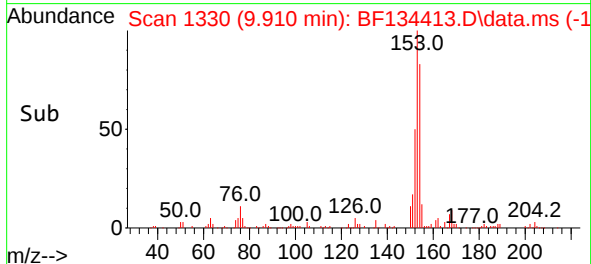
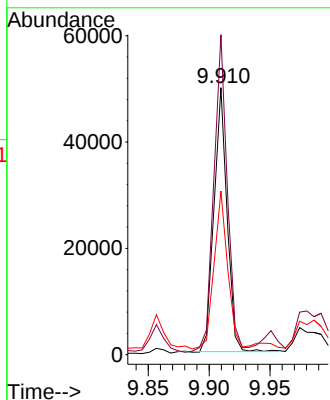


#52
Acenaphthene
Concen: 7.583 ng
RT: 9.910 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134413.D
Acq: 21 Jul 2023 21:50

Instrument :
BNA_F
ClientSampleId :

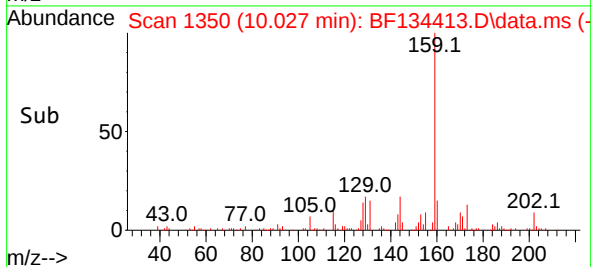
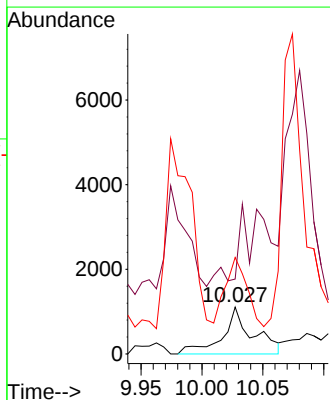
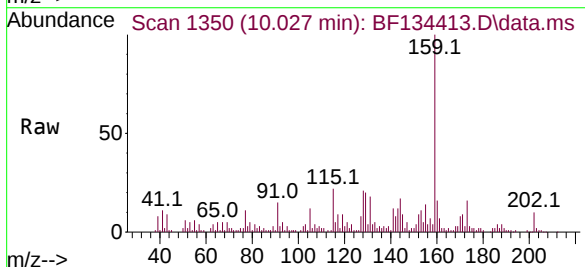


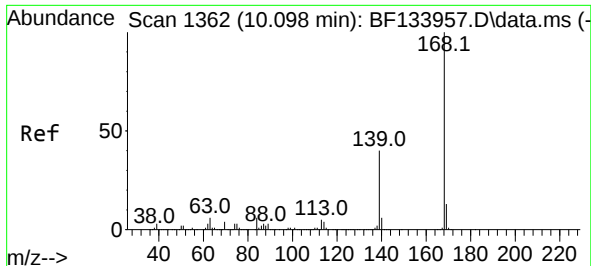
Tgt Ion:154 Resp: 37137
Ion Ratio Lower Upper
154 100
153 119.8 89.4 134.2
152 61.2 42.8 64.2



#54
2,4-Dinitrophenol
Concen: 6.259 ng
RT: 10.027 min Scan# 1350
Delta R.T. 0.070 min
Lab File: BF134413.D
Acq: 21 Jul 2023 21:50

Tgt Ion:184 Resp: 1913
Ion Ratio Lower Upper
184 100
63 160.1 56.9 85.3#
154 206.0 55.4 83.0#

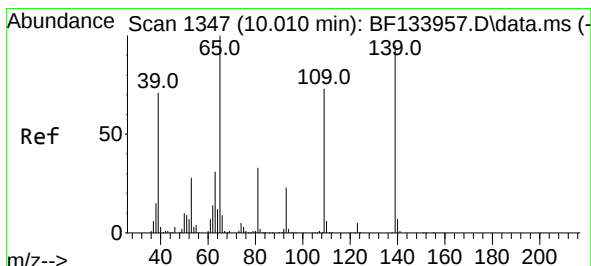
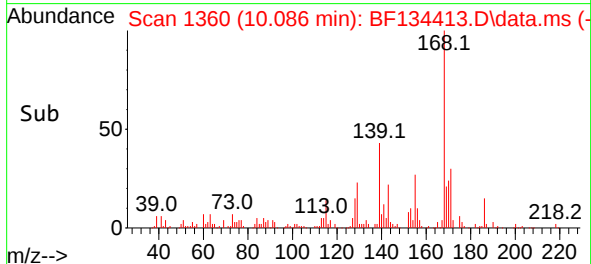
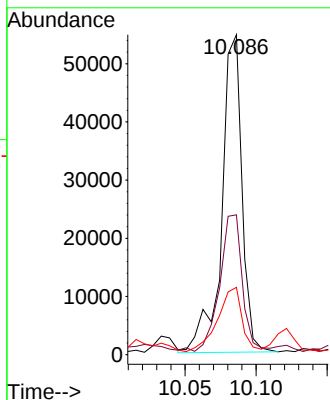
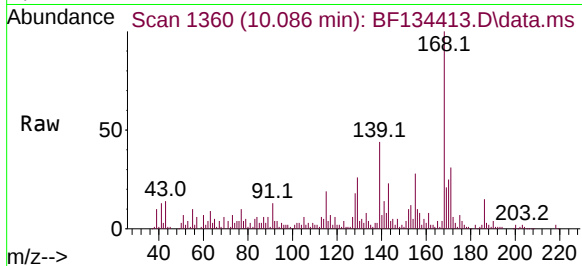




#55
Dibenzofuran
Concen: 7.071 ng
RT: 10.086 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134413.D
Acq: 21 Jul 2023 21:50

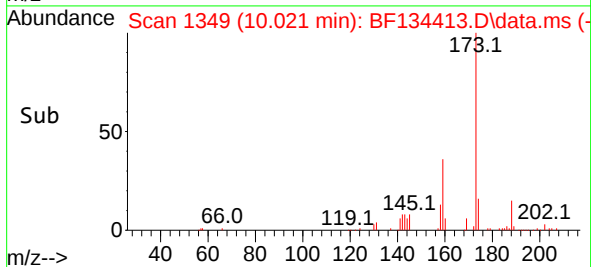
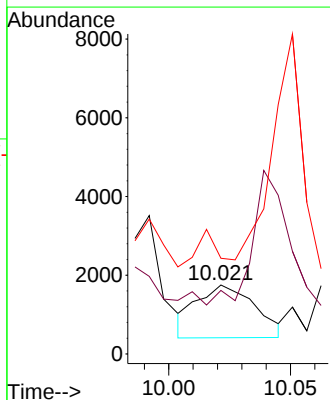
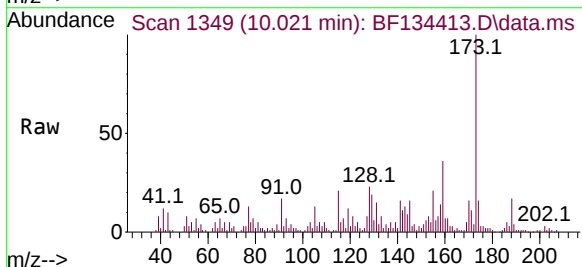
Instrument :
BNA_F
ClientSampleId :

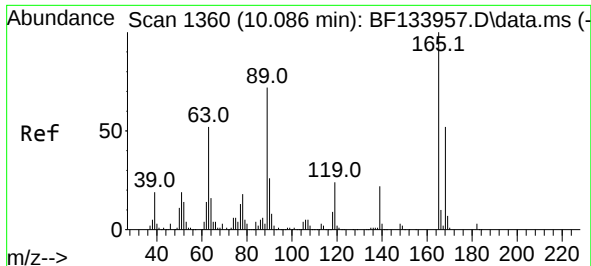
Tgt Ion:168 Resp: 54125
Ion Ratio Lower Upper
168 100
139 43.7 32.0 48.0
169 21.1 10.6 16.0#



#56
4-Nitrophenol
Concen: 2.033 ng
RT: 10.021 min Scan# 1349
Delta R.T. 0.012 min
Lab File: BF134413.D
Acq: 21 Jul 2023 21:50

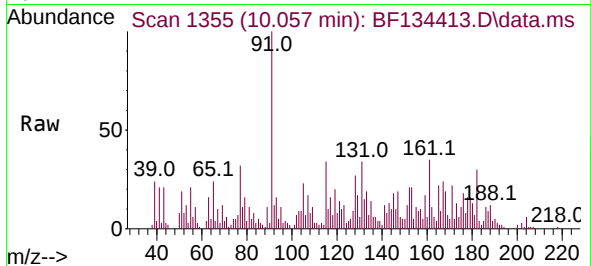
Tgt Ion:139 Resp: 2245
Ion Ratio Lower Upper
139 100
109 92.1 56.8 96.8
65 138.9 86.1 126.1#



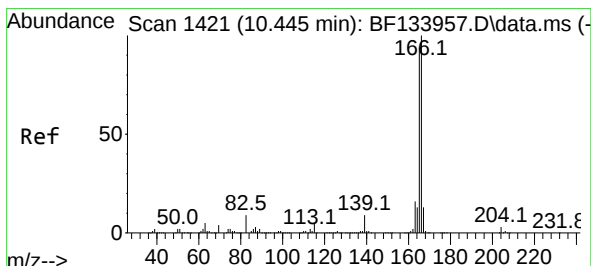
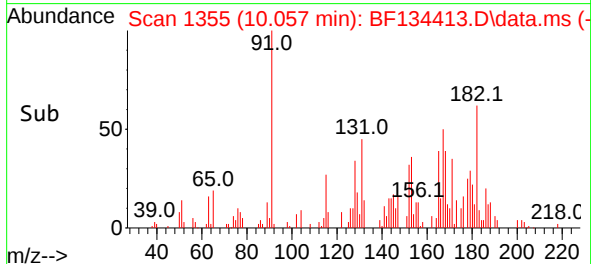
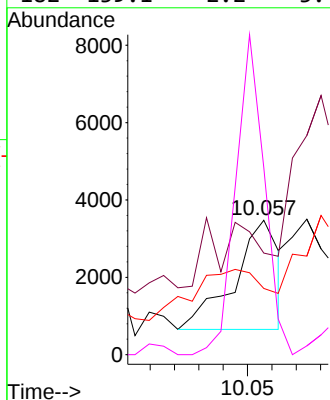


#57
2,4-Dinitrotoluene
Concen: 2.061 ng
RT: 10.057 min Scan# 1419
Delta R.T. -0.024 min
Lab File: BF134413.D
Acq: 21 Jul 2023 21:50

Instrument :
BNA_F
ClientSampleId :

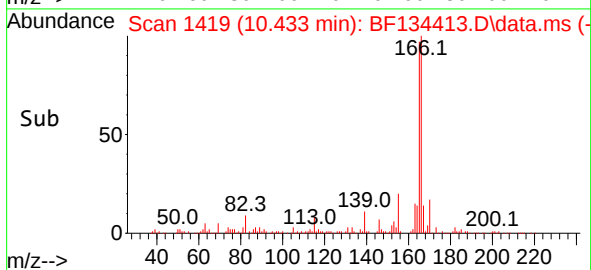
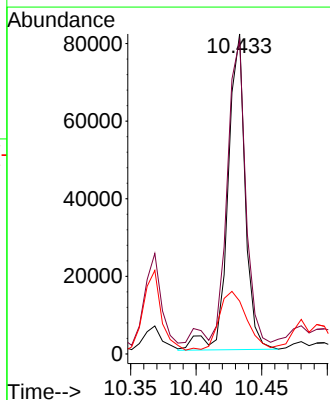
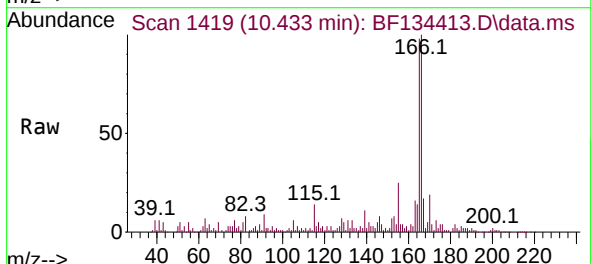


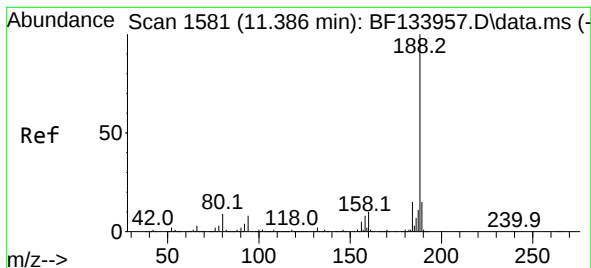
Tgt Ion:165 Resp: 3583
Ion Ratio Lower Upper
165 100
63 75.6 42.2 63.2#
89 49.3 57.4 86.2#
182 139.1 2.2 3.4#



#58
Fluorene
Concen: 12.591 ng
RT: 10.433 min Scan# 1419
Delta R.T. -0.000 min
Lab File: BF134413.D
Acq: 21 Jul 2023 21:50

Tgt Ion:166 Resp: 74980
Ion Ratio Lower Upper
166 100
165 98.1 75.0 112.4
167 16.5 10.6 15.8#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.380 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF134413.D

Acq: 21 Jul 2023 21:50

Instrument :

BNA_F

ClientSampleId :

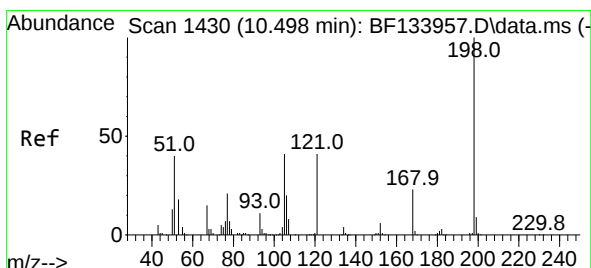
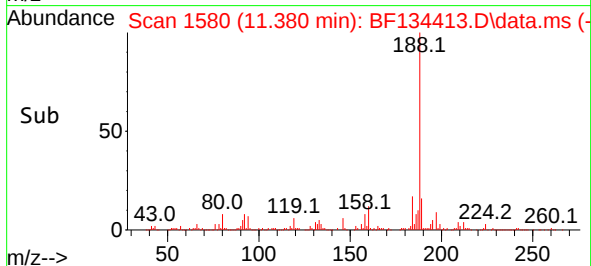
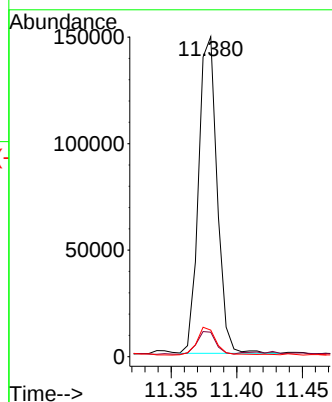
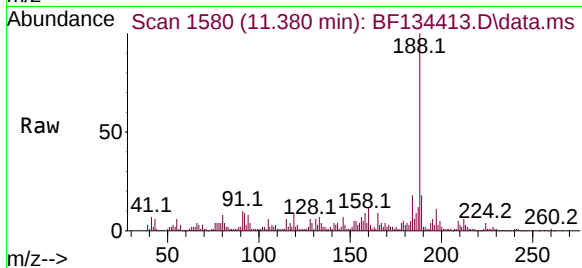
Tgt Ion:188 Resp: 146638

Ion Ratio Lower Upper

188 100

94 7.7 6.4 9.6

80 8.3 7.3 10.9



#65

4,6-Dinitro-2-methylphenol

Concen: 3.095 ng

RT: 10.639 min Scan# 1454

Delta R.T. 0.147 min

Lab File: BF134413.D

Acq: 21 Jul 2023 21:50

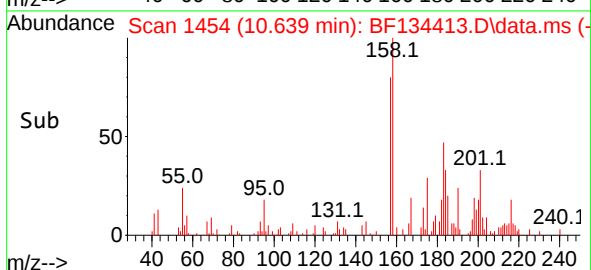
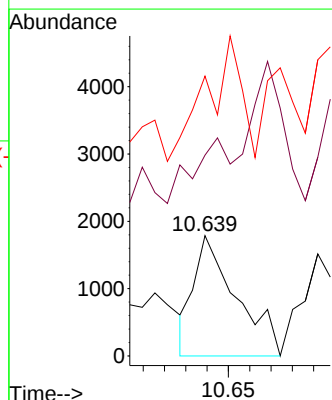
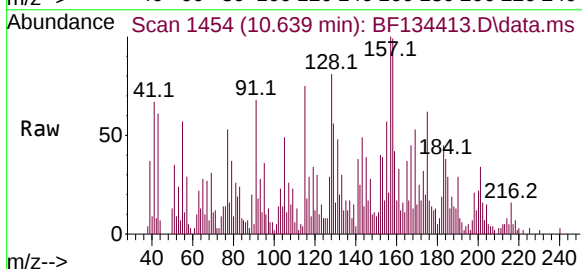
Tgt Ion:198 Resp: 2474

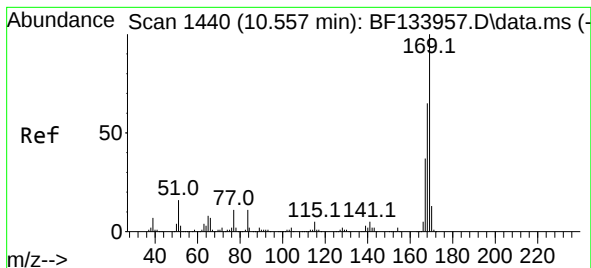
Ion Ratio Lower Upper

198 100

51 166.9 29.3 69.3#

105 232.6 22.4 62.4#





#66

n-Nitrosodiphenylamine

Concen: 2.635 ng

RT: 10.539 min Scan# 1437

Delta R.T. -0.006 min

Lab File: BF134413.D

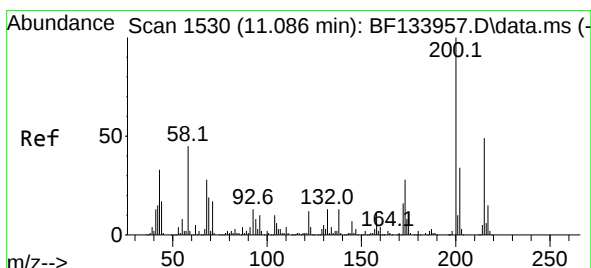
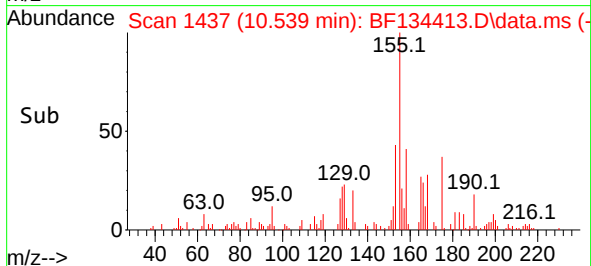
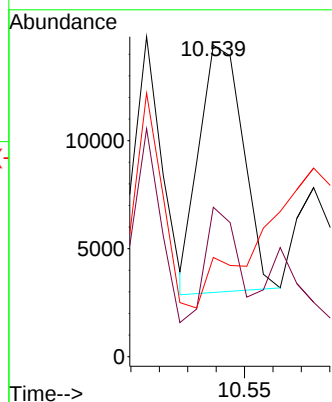
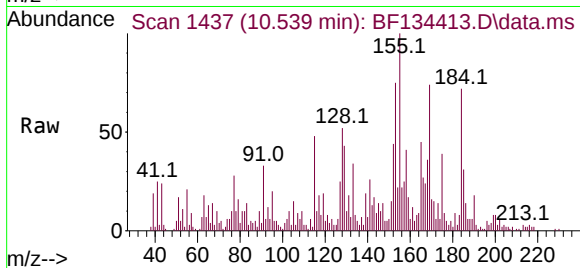
Acq: 21 Jul 2023 21:50

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:	169	Resp:	12343
Ion Ratio	Lower	Upper	
169	100		
168	48.0	52.3	78.5#
167	31.9	29.4	44.0



#69

Atrazine

Concen: 6.064 ng

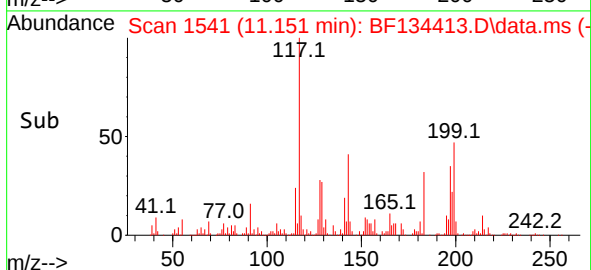
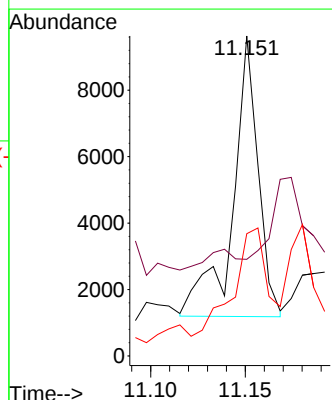
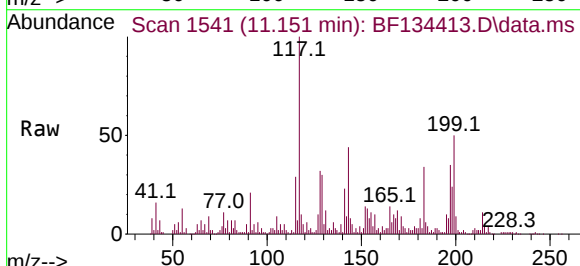
RT: 11.151 min Scan# 1541

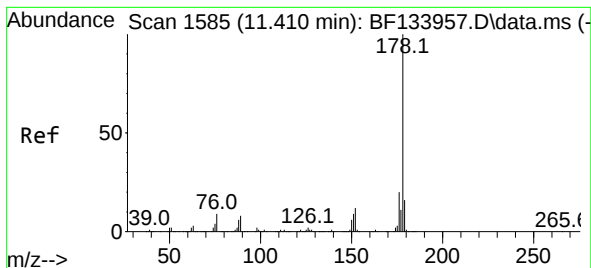
Delta R.T. 0.076 min

Lab File: BF134413.D

Acq: 21 Jul 2023 21:50

Tgt Ion:	200	Resp:	7858
Ion Ratio	Lower	Upper	
200	100		
173	30.2	8.0	48.0
215	38.2	29.3	69.3





#71

Phenanthrene

Concen: 102.494 ng

RT: 11.410 min Scan# 1585

Delta R.T. 0.006 min

Lab File: BF134413.D

Acq: 21 Jul 2023 21:50

Instrument :

BNA_F

ClientSampleId :

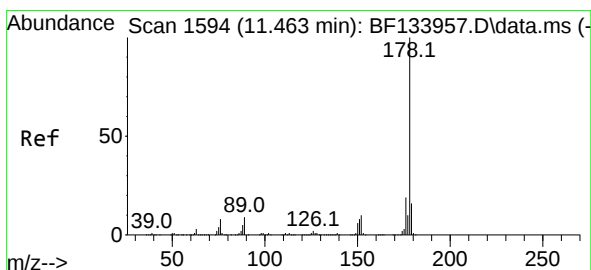
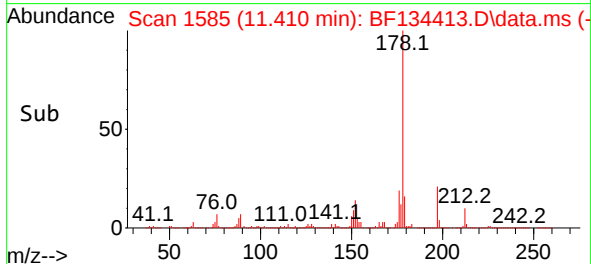
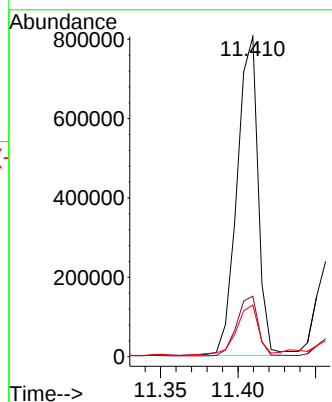
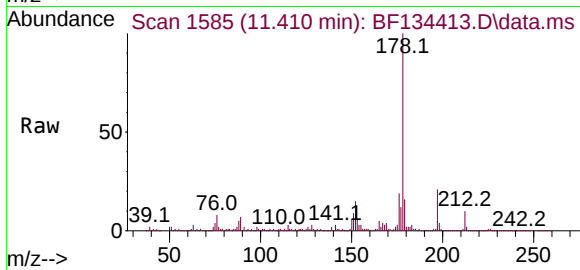
Tgt Ion:178 Resp: 756609

Ion Ratio Lower Upper

178 100

176 18.9 16.0 24.0

179 16.2 12.4 18.6



#72

Anthracene

Concen: 24.127 ng

RT: 11.457 min Scan# 1593

Delta R.T. -0.000 min

Lab File: BF134413.D

Acq: 21 Jul 2023 21:50

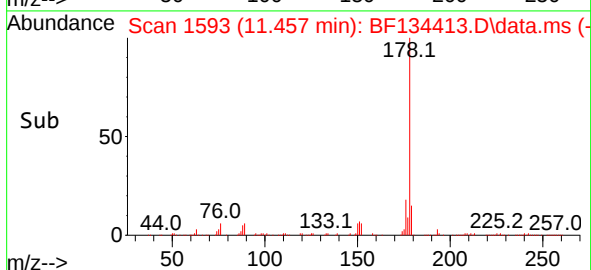
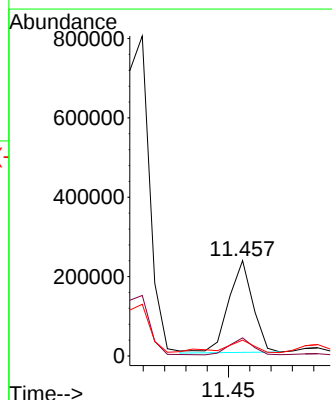
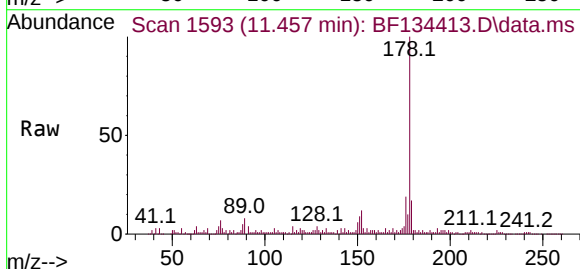
Tgt Ion:178 Resp: 185251

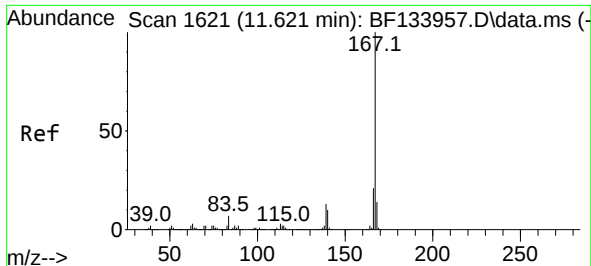
Ion Ratio Lower Upper

178 100

176 19.0 15.3 22.9

179 16.6 12.4 18.6

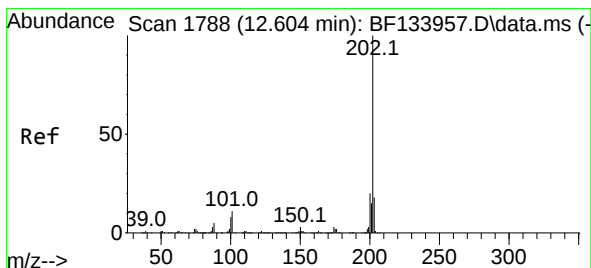
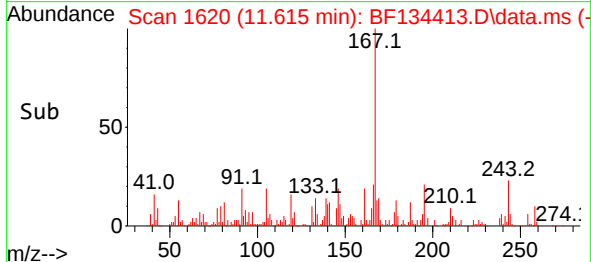
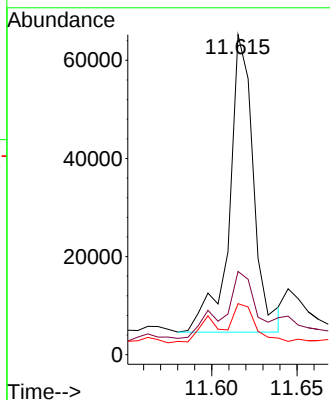
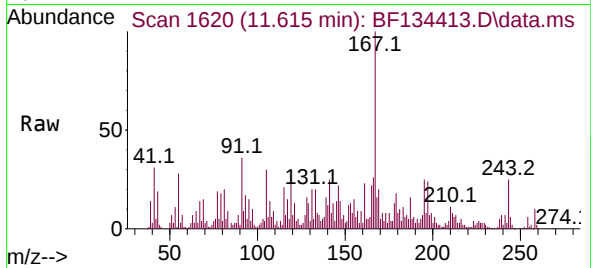




#73
 Carbazole
 Concen: 8.539 ng
 RT: 11.615 min Scan# 1
 Delta R.T. -0.000 min
 Lab File: BF134413.D
 Acq: 21 Jul 2023 21:50

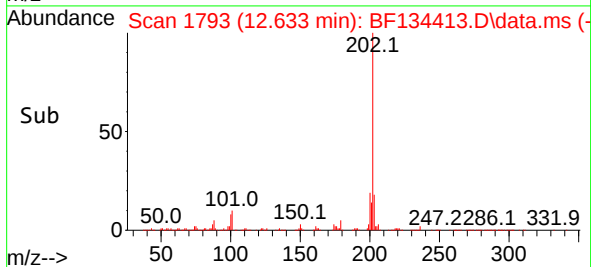
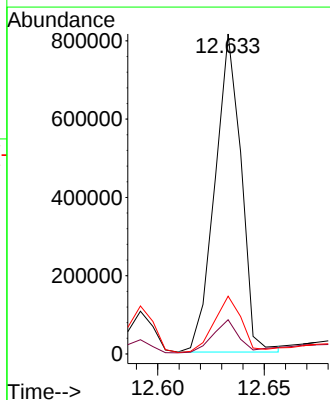
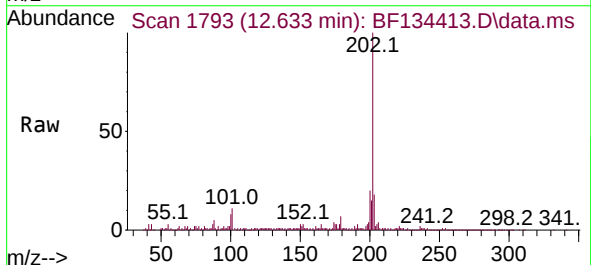
Instrument :
 BNA_F
 ClientSampleId :

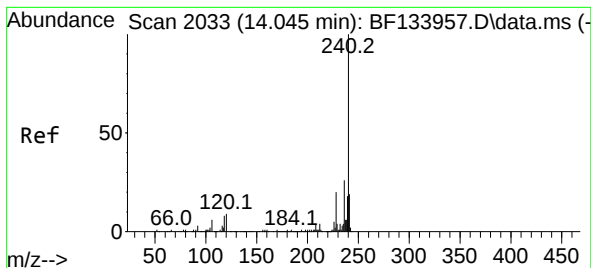
Tgt Ion:167 Resp: 60012
 Ion Ratio Lower Upper
 167 100
 166 26.0 17.0 25.6#
 139 15.9 10.4 15.6#



#75
 Fluoranthene
 Concen: 87.240 ng
 RT: 12.633 min Scan# 1793
 Delta R.T. 0.035 min
 Lab File: BF134413.D
 Acq: 21 Jul 2023 21:50

Tgt Ion:202 Resp: 696233
 Ion Ratio Lower Upper
 202 100
 101 10.7 0.0 31.0
 203 18.1 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.080 min Scan# 2033

Delta R.T. 0.041 min

Lab File: BF134413.D

Acq: 21 Jul 2023 21:50

Instrument :

BNA_F

ClientSampleId :

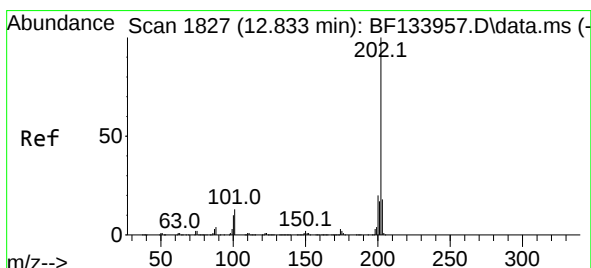
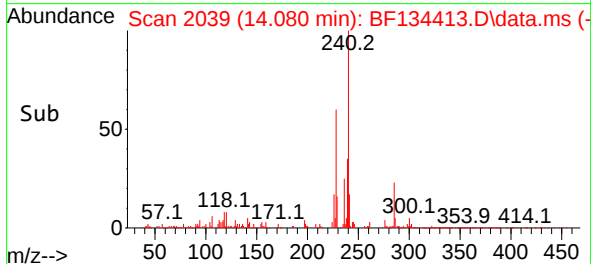
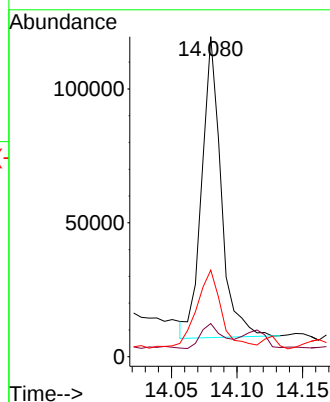
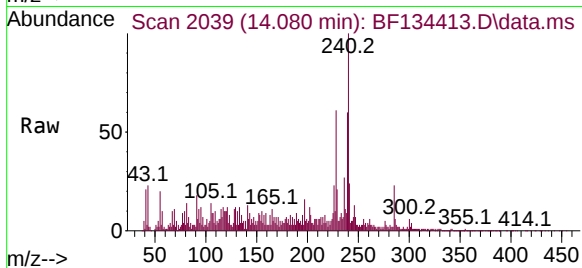
Tgt Ion:240 Resp: 115079

Ion Ratio Lower Upper

240 100

120 10.4 7.4 11.0

236 27.0 21.0 31.6



#78

Pyrene

Concen: 55.646 ng

RT: 12.862 min Scan# 1832

Delta R.T. 0.029 min

Lab File: BF134413.D

Acq: 21 Jul 2023 21:50

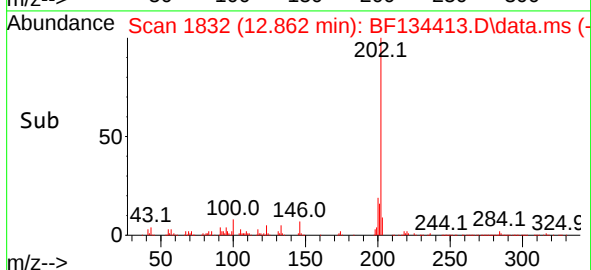
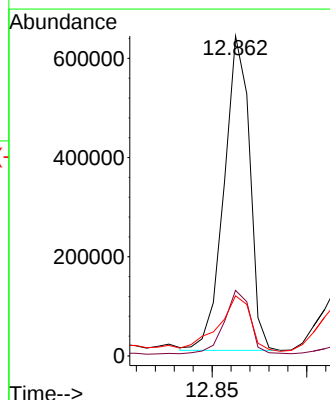
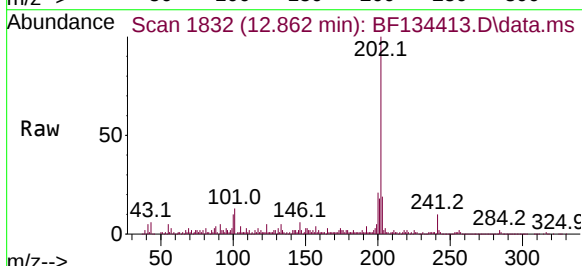
Tgt Ion:202 Resp: 595946

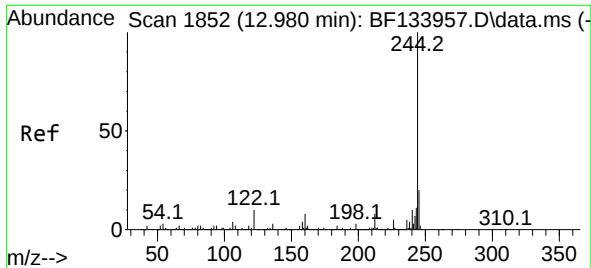
Ion Ratio Lower Upper

202 100

200 20.5 16.1 24.1

203 18.8 14.3 21.5

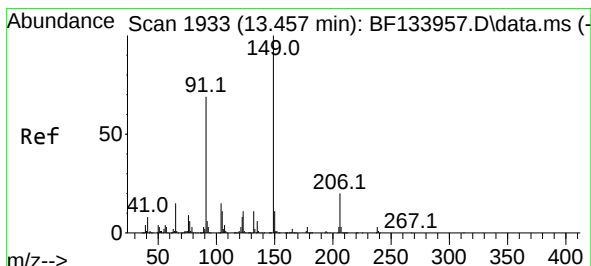
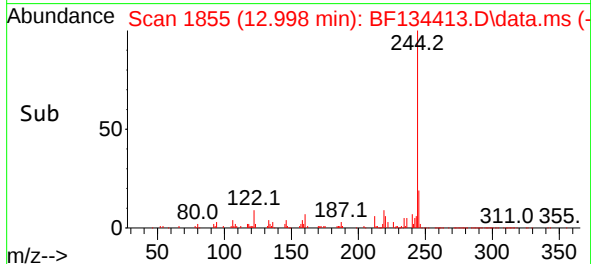
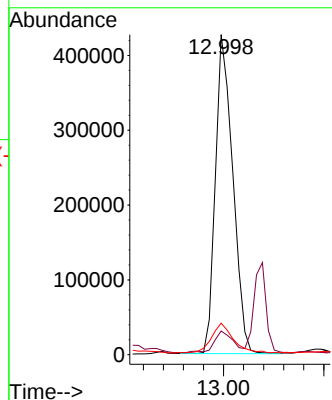
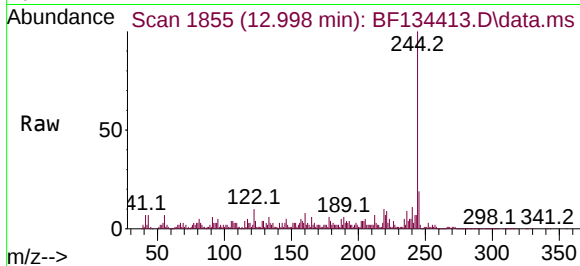




#79
 Terphenyl-d14
 Concen: 71.779 ng
 RT: 12.998 min Scan# 1855
 Delta R.T. 0.023 min
 Lab File: BF134413.D
 Acq: 21 Jul 2023 21:50

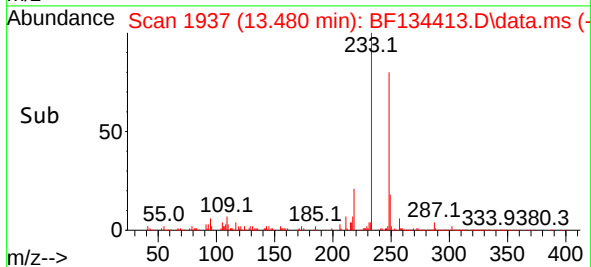
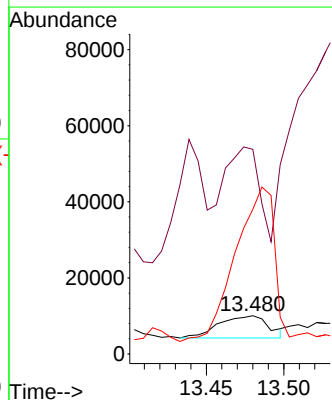
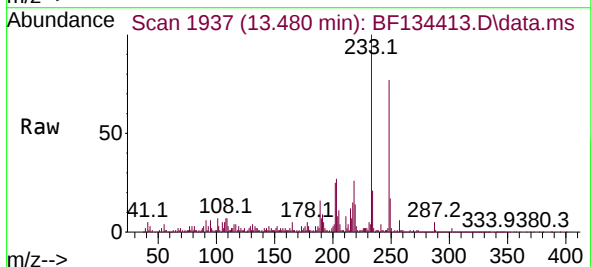
Instrument :
 BNA_F
 ClientSampleId :

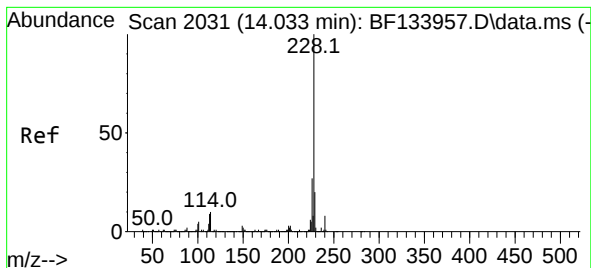
Tgt Ion:244 Resp: 513243
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.0 9.0
 122 9.8 8.3 12.5



#80
 Butylbenzylphthalate
 Concen: 3.243 ng
 RT: 13.480 min Scan# 1937
 Delta R.T. 0.029 min
 Lab File: BF134413.D
 Acq: 21 Jul 2023 21:50

Tgt Ion:149 Resp: 13026
 Ion Ratio Lower Upper
 149 100
 91 535.7 55.1 82.7#
 206 378.5 15.7 23.5#





#81

Benzo(a)anthracene

Concen: 31.827 ng

RT: 14.068 min Scan# 2037

Delta R.T. 0.041 min

Lab File: BF134413.D

Acq: 21 Jul 2023 21:50

Instrument :

BNA_F

ClientSampleId :

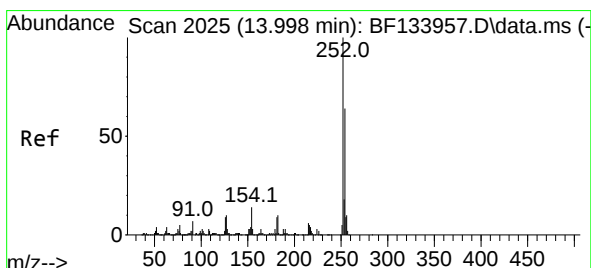
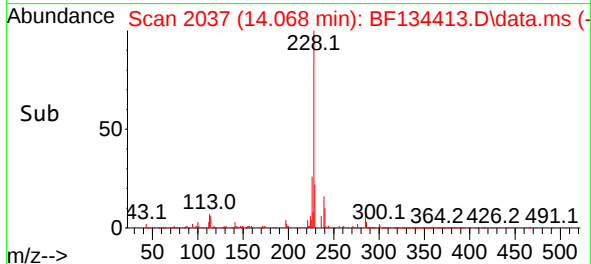
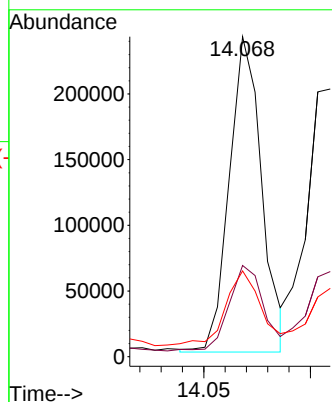
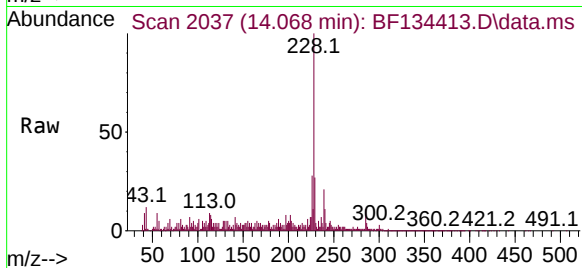
Tgt Ion:228 Resp: 254012

Ion Ratio Lower Upper

228 100

226 28.5 22.0 33.0

229 26.8 16.3 24.5#



#82

3,3'-Dichlorobenzidine

Concen: 2.649 ng

RT: 14.003 min Scan# 2026

Delta R.T. 0.012 min

Lab File: BF134413.D

Acq: 21 Jul 2023 21:50

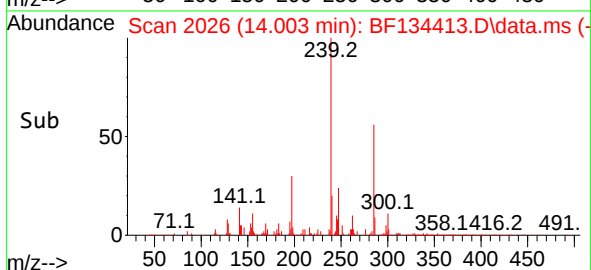
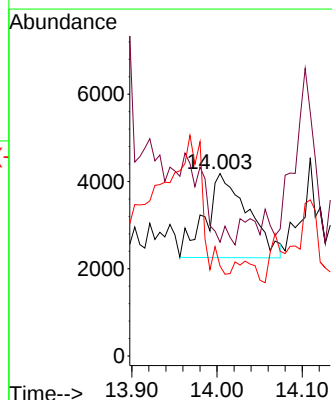
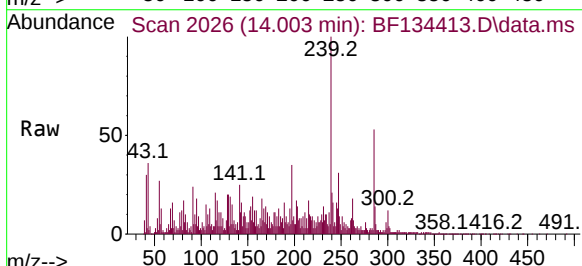
Tgt Ion:252 Resp: 6698

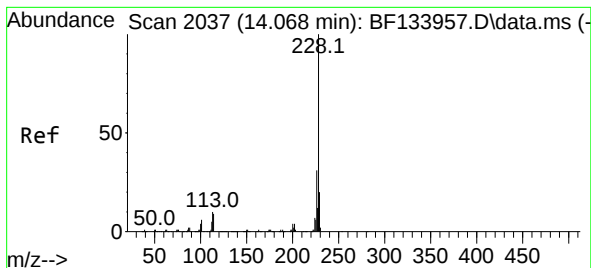
Ion Ratio Lower Upper

252 100

254 62.4 51.4 77.0

126 49.3 7.4 11.2#





#83

Chrysene

Concen: 27.944 ng

RT: 14.109 min Scan# 2037

Delta R.T. 0.041 min

Lab File: BF134413.D

Acq: 21 Jul 2023 21:50

Instrument :

BNA_F

ClientSampleId :

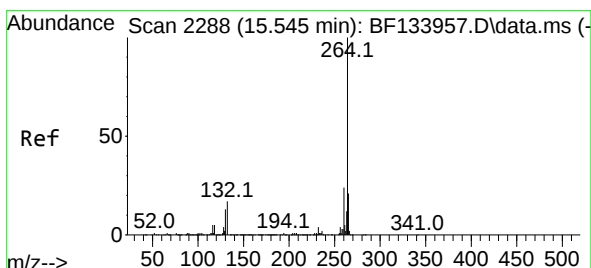
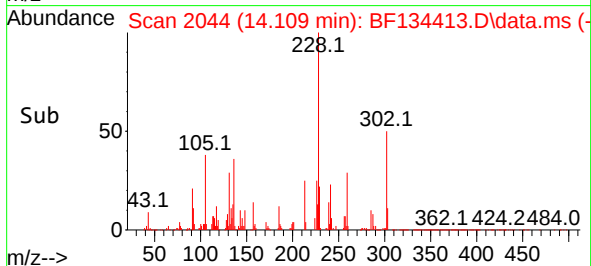
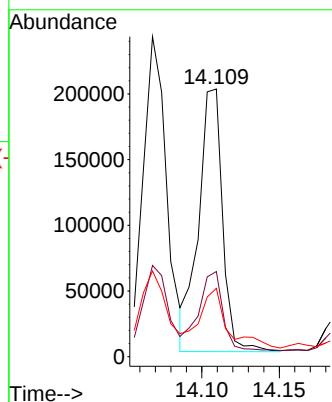
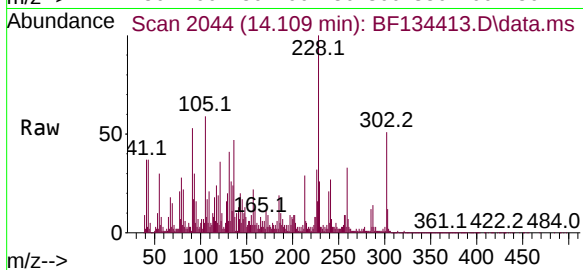
Tgt Ion:228 Resp: 216012

Ion Ratio Lower Upper

228 100

226 31.8 24.4 36.6

229 25.5 16.1 24.1#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.592 min Scan# 2296

Delta R.T. 0.047 min

Lab File: BF134413.D

Acq: 21 Jul 2023 21:50

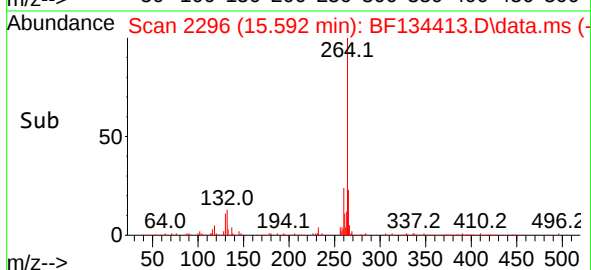
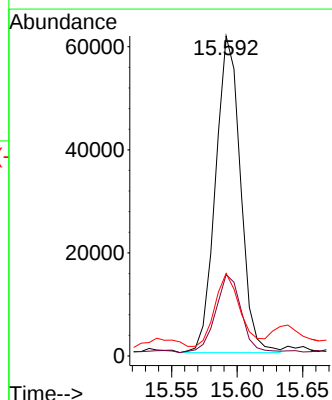
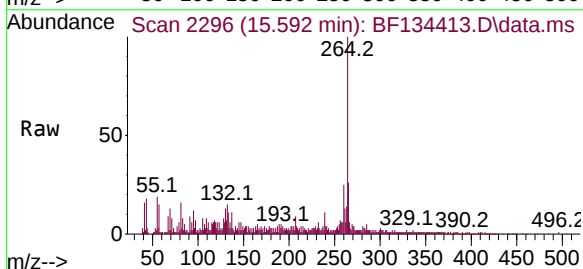
Tgt Ion:264 Resp: 80912

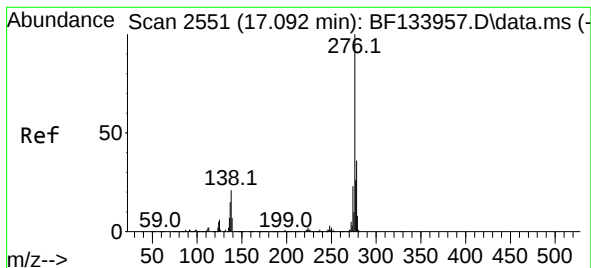
Ion Ratio Lower Upper

264 100

260 25.4 19.5 29.3

265 25.8 16.6 25.0#





#87

Indeno(1,2,3-cd)pyrene

Concen: 16.311 ng

RT: 17.144 min Scan# 21

Delta R.T. 0.047 min

Lab File: BF134413.D

Acq: 21 Jul 2023 21:50

Instrument :

BNA_F

ClientSampleId :

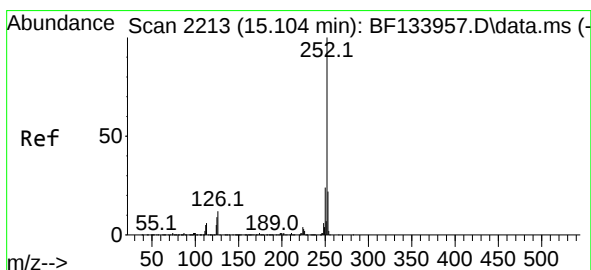
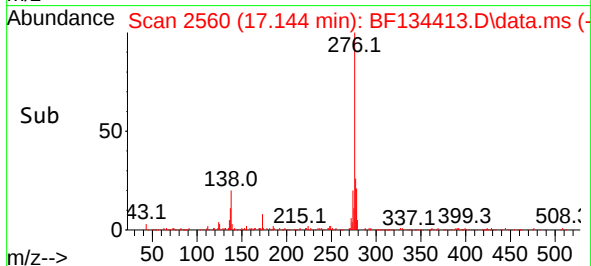
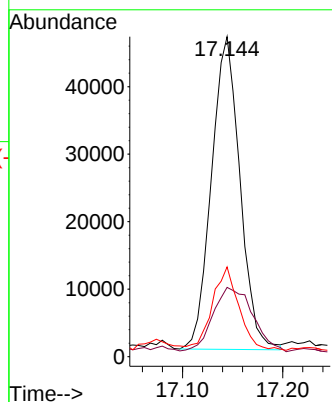
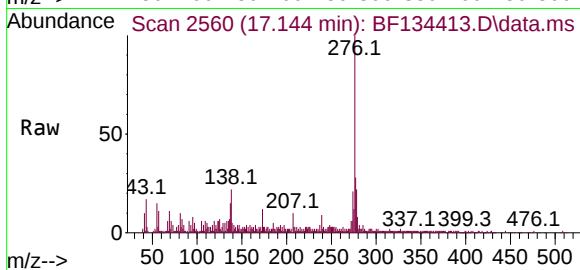
Tgt Ion:276 Resp: 91578

Ion Ratio Lower Upper

276 100

138 28.8 18.7 28.1#

277 25.0 19.9 29.9



#88

Benzo(b)fluoranthene

Concen: 59.709 ng

RT: 15.145 min Scan# 2220

Delta R.T. 0.041 min

Lab File: BF134413.D

Acq: 21 Jul 2023 21:50

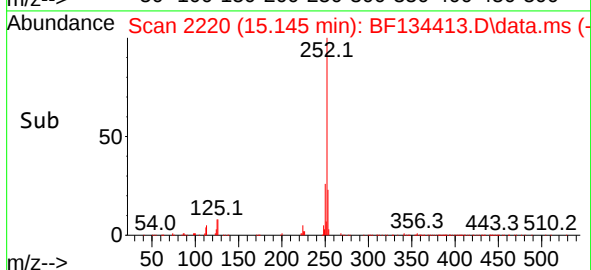
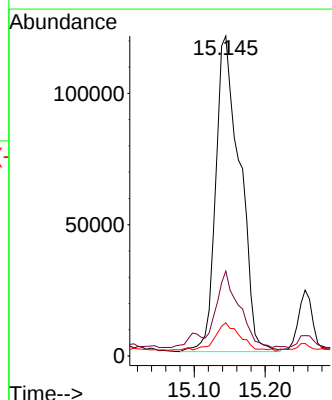
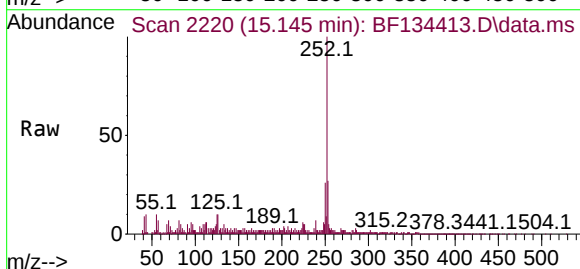
Tgt Ion:252 Resp: 284075

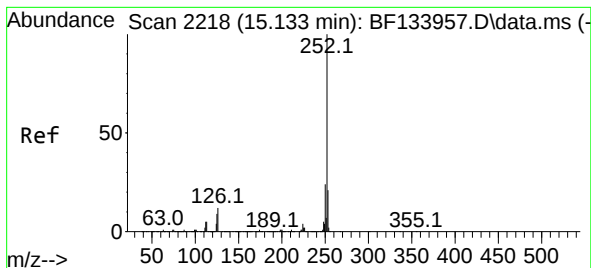
Ion Ratio Lower Upper

252 100

253 26.5 17.4 26.0#

125 10.3 7.1 10.7





#89

Benzo(k)fluoranthene

Concen: 58.644 ng

RT: 15.145 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF134413.D

Acq: 21 Jul 2023 21:50

Instrument :

BNF

ClientSampleId :

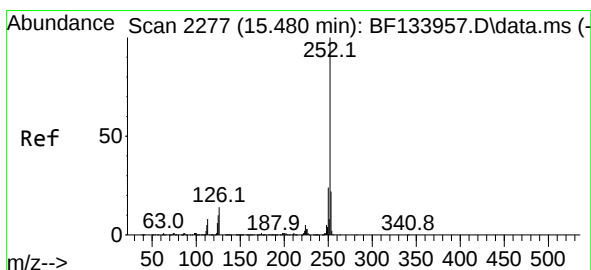
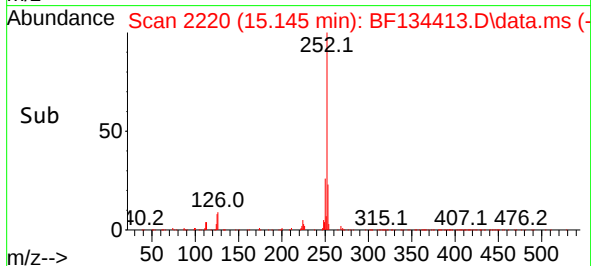
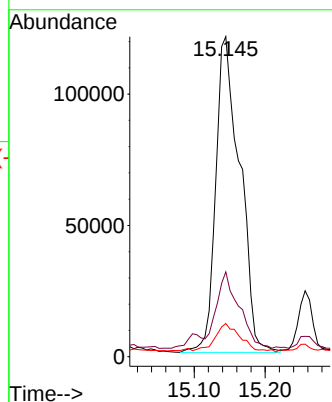
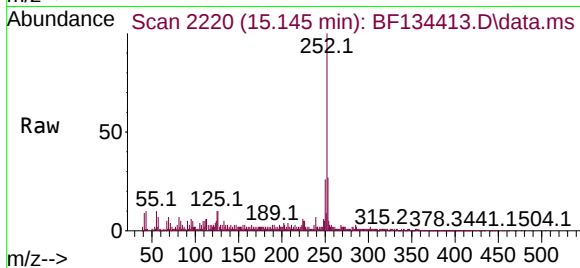
Tgt Ion:252 Resp: 284075

Ion Ratio Lower Upper

252 100

253 26.5 16.9 25.3#

125 10.3 7.4 11.2



#90

Benzo(a)pyrene

Concen: 33.674 ng

RT: 15.527 min Scan# 2285

Delta R.T. 0.047 min

Lab File: BF134413.D

Acq: 21 Jul 2023 21:50

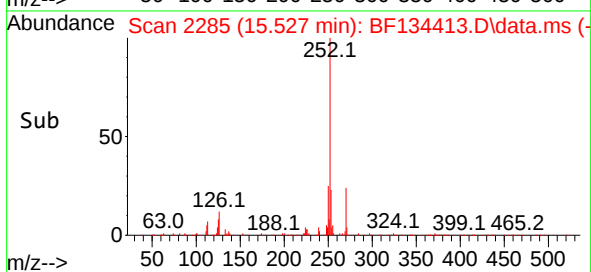
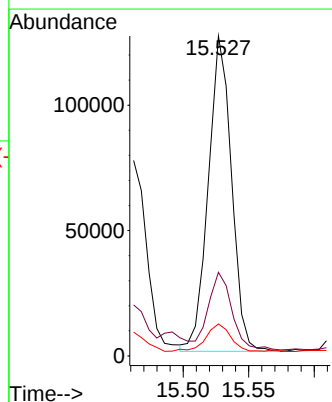
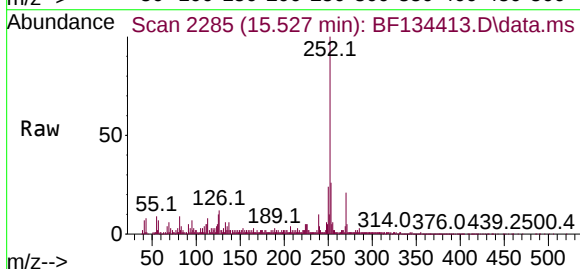
Tgt Ion:252 Resp: 154922

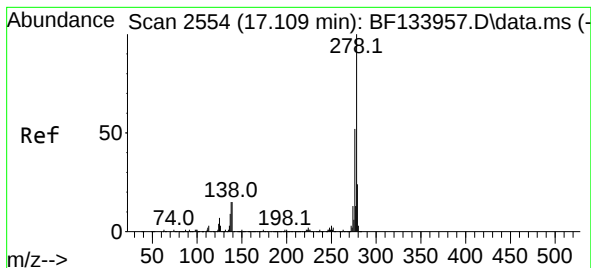
Ion Ratio Lower Upper

252 100

253 26.2 17.4 26.0#

125 10.0 8.4 12.6





#91

Dibenzo(a,h)anthracene

Concen: 4.734 ng

RT: 17.144 min Scan# 21

Delta R.T. 0.035 min

Lab File: BF134413.D

Acq: 21 Jul 2023 21:50

Instrument :

BNA_F

ClientSampleId :

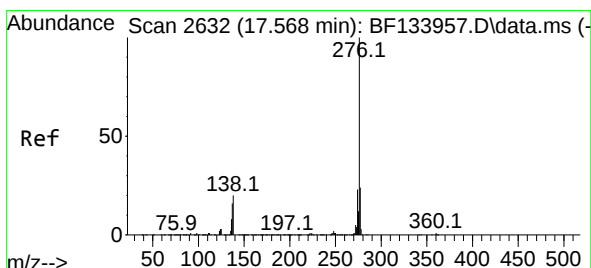
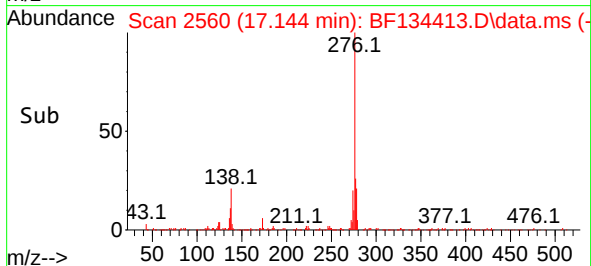
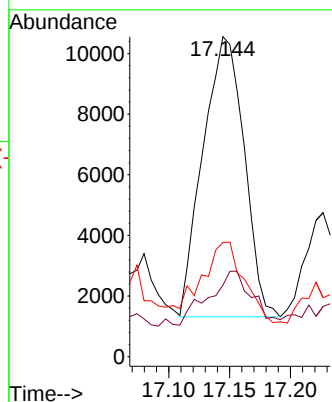
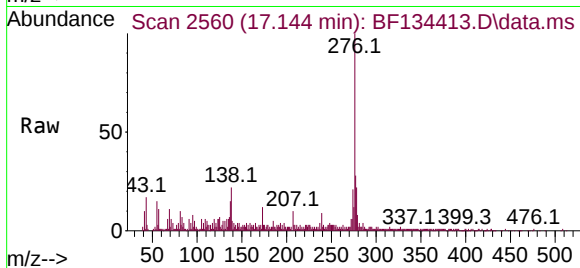
Tgt Ion:278 Resp: 21710

Ion Ratio Lower Upper

278 100

139 22.3 12.2 18.4#

279 35.7 19.4 29.2#



#92

Benzo(g,h,i)perylene

Concen: 17.811 ng

RT: 17.621 min Scan# 2641

Delta R.T. 0.053 min

Lab File: BF134413.D

Acq: 21 Jul 2023 21:50

Tgt Ion:276 Resp: 84228

Ion Ratio Lower Upper

276 100

277 25.1 19.0 28.6

138 15.2 16.2 24.2#

