

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092922\
 Data File : BF130470.D
 Acq On : 29 Sep 2022 16:58
 Operator : CG\JU
 Sample : N4860-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-2R

Quant Time: Sep 30 03:08:39 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 28 02:59:31 2022
 Response via : Initial Calibration

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

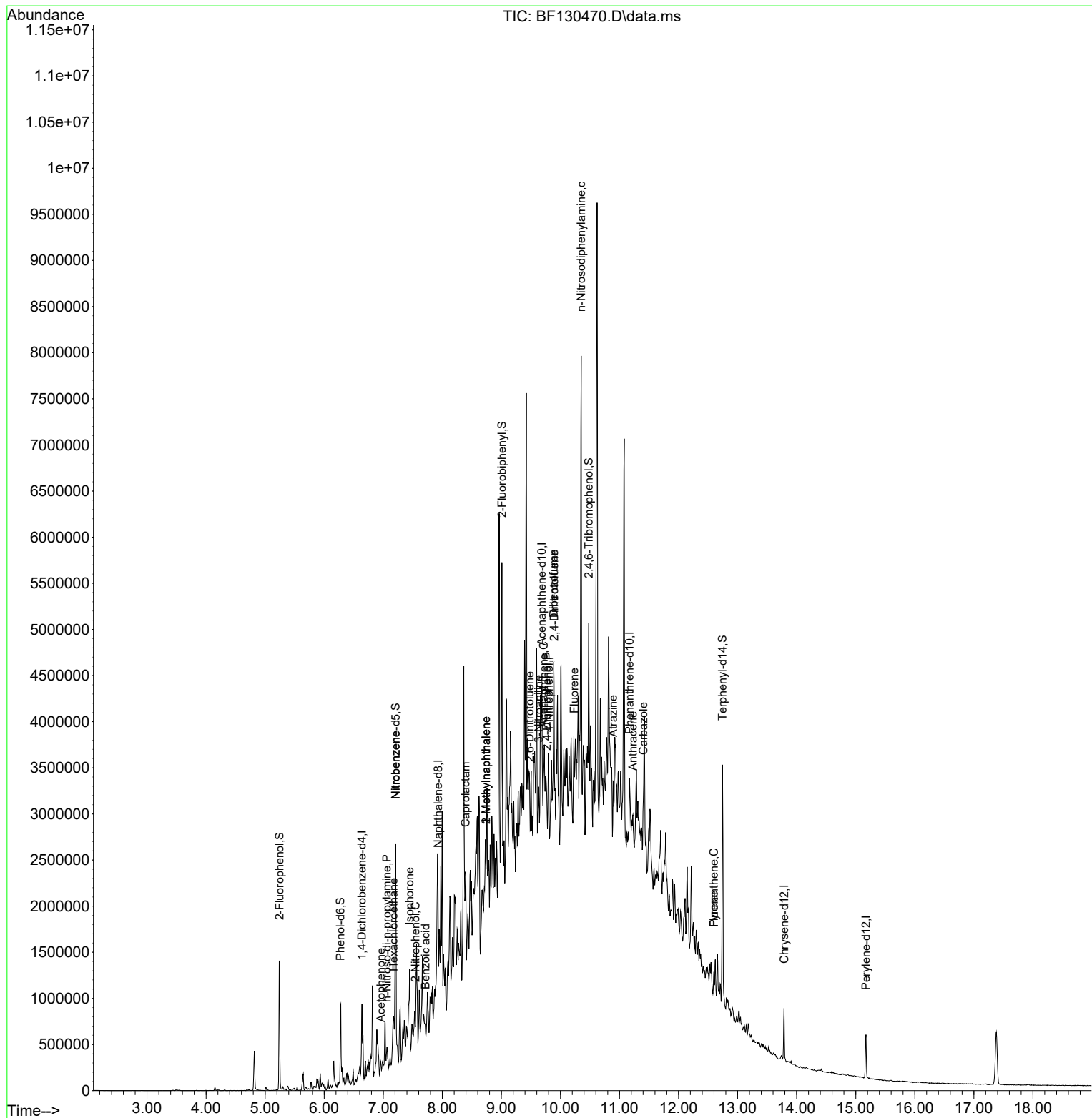
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.640	152	102272	20.000	ng	0.00
21) Naphthalene-d8	7.928	136	355945	20.000	ng	# 0.00
39) Acenaphthene-d10	9.686	164	165465	20.000	ng	# 0.00
64) Phenanthrene-d10	11.169	188	241482	20.000	ng	# 0.01
76) Chrysene-d12	13.786	240	174531	20.000	ng	0.00
86) Perylene-d12	15.174	264	203413	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.246	112	419983	71.226	ng	0.00
7) Phenol-d6	6.275	99	312713	42.385	ng	-0.02
23) Nitrobenzene-d5	7.210	82	663011	95.161	ng	0.00
42) 2,4,6-Tribromophenol	10.480	330	276183	174.196	ng	0.01
45) 2-Fluorobiphenyl	9.010	172	1193376	105.024	ng	0.00
79) Terphenyl-d14	12.745	244	854312	81.084	ng	0.00
Target Compounds						Qvalue
18) Hexachloroethane	7.175	117	81411	27.403	ng	# 17
19) n-Nitroso-di-n-propyla...	7.063	70	14263	2.865	ng	# 65
22) Acetophenone	6.963	105	20786	2.389	ng	# 62
24) Nitrobenzene	7.210	77	14317	2.024	ng	# 41
25) Isophorone	7.445	82	38649	3.442	ng	# 1
26) 2-Nitrophenol	7.545	139	8077	2.785	ng	# 1
32) Benzoic acid	7.716	122	8795	2.547	ng	# 3
35) Caprolactam	8.392	113	9288	6.621	ng	# 1
37) 2-Methylnaphthalene	8.739	142	38982	3.334	ng	84
38) 1-Methylnaphthalene	8.739	142	38982	3.471	ng	89
51) 2,6-Dinitrotoluene	9.481	165	5295	2.215	ng	# 70
52) Acenaphthene	9.716	154	46802	4.753	ng	# 92
53) 3-Nitroaniline	9.633	138	11295	4.241	ng	# 30
54) 2,4-Dinitrophenol	9.769	184	718	6.765	ng	# 1
55) Dibenzofuran	9.886	168	32799	2.395	ng	# 8
56) 4-Nitrophenol	9.804	139	14398	7.422	ng	# 1
57) 2,4-Dinitrotoluene	9.892	165	14813	4.849	ng	# 62
58) Fluorene	10.233	166	79438	7.091	ng	# 82
66) n-Nitrosodiphenylamine	10.351	169	250012	30.982	ng	# 42
69) Atrazine	10.892	200	9085	3.852	ng	# 11
72) Anthracene	11.227	178	28402	2.171	ng	# 1
73) Carbazole	11.404	167	27175	2.301	ng	# 6
75) Fluoranthene	12.598	202	90350	6.896	ng	92
78) Pyrene	12.598	202	90350	5.918	ng	# 94

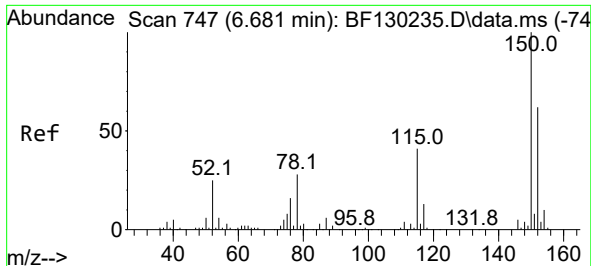
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092922\
Data File : BF130470.D
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Misc :
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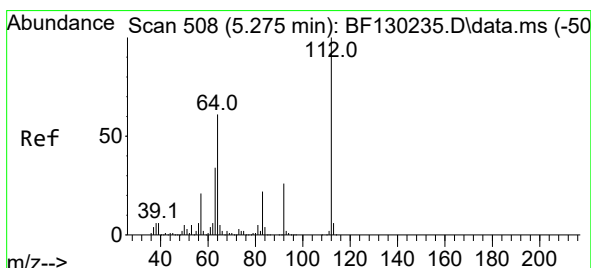
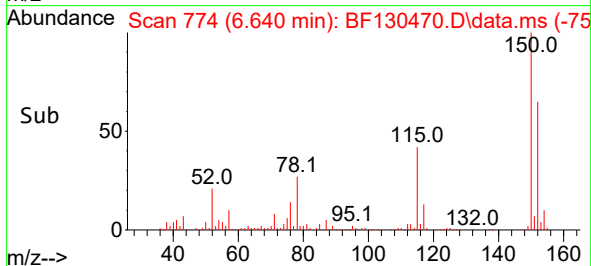
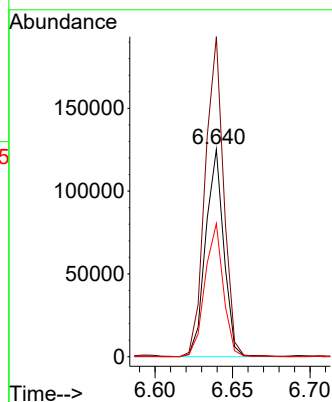
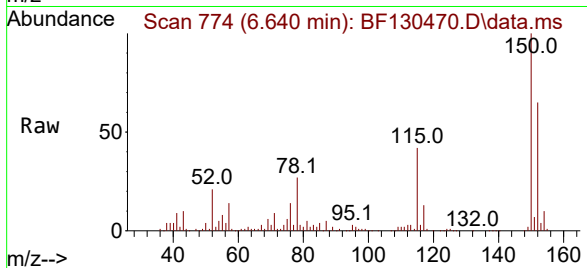




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.640 min Scan# 71
 Delta R.T. -0.005 min
 Lab File: BF130470.D
 Acq: 29 Sep 2022 16:58

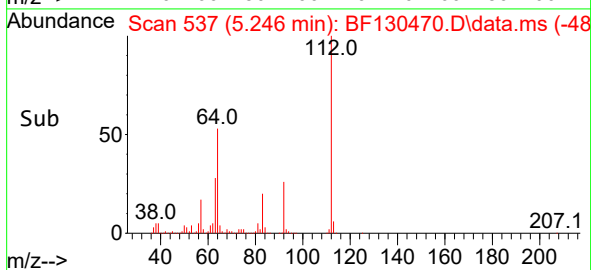
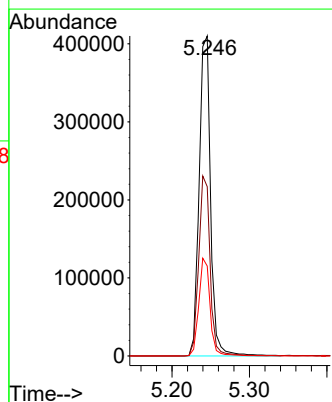
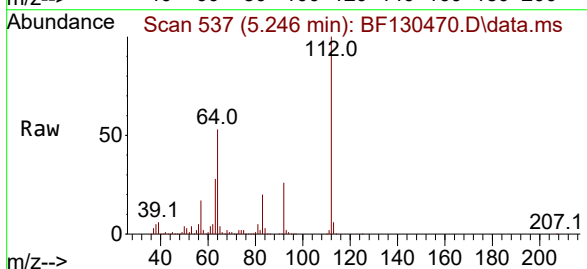
Instrument :
 BNA_F
 ClientSampleId :
 MW-2R

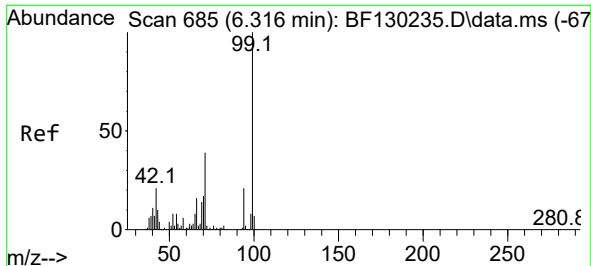
Tgt Ion:152 Resp: 102272
 Ion Ratio Lower Upper
 152 100
 150 154.3 122.8 184.2
 115 64.2 53.8 80.8



#5
 2-Fluorophenol
 Concen: 71.226 ng
 RT: 5.246 min Scan# 537
 Delta R.T. 0.000 min
 Lab File: BF130470.D
 Acq: 29 Sep 2022 16:58

Tgt Ion:112 Resp: 419983
 Ion Ratio Lower Upper
 112 100
 64 52.9 51.4 77.0
 63 28.1 28.8 43.2#

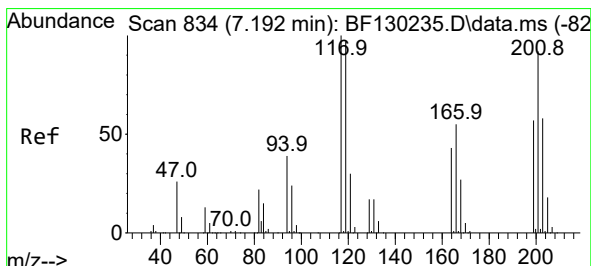
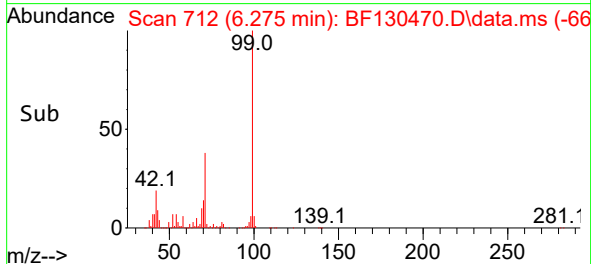
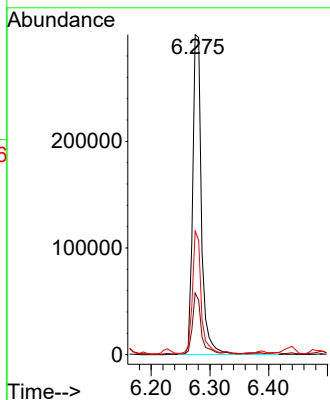
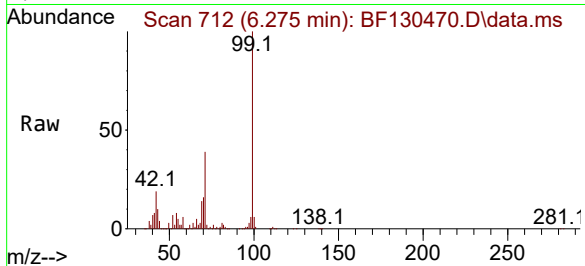




#7
Phenol-d6
Concen: 42.385 ng
RT: 6.275 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF130470.D
Acq: 29 Sep 2022 16:58

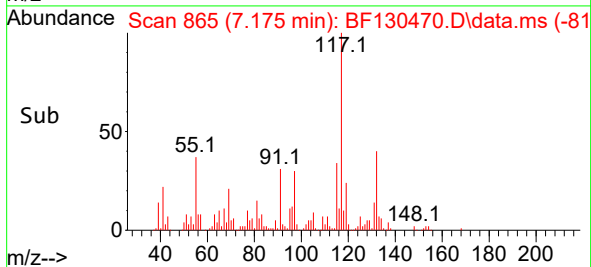
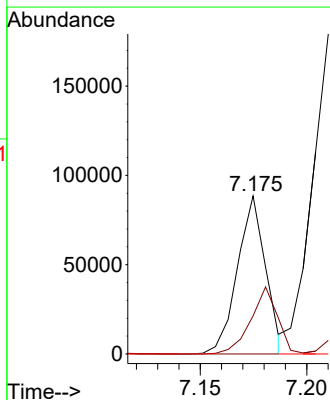
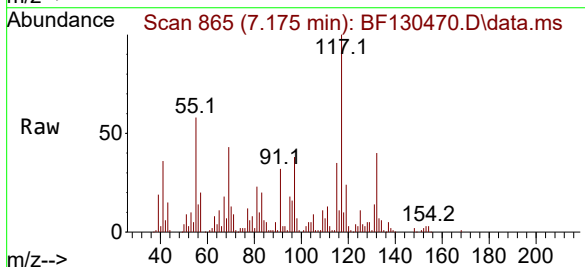
Instrument :
BNA_F
ClientSampleId :
MW-2R

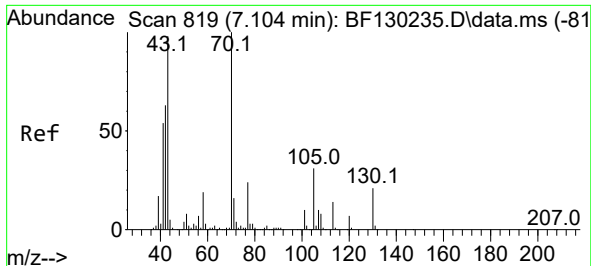
Tgt Ion: 99 Resp: 312713
Ion Ratio Lower Upper
99 100
42 19.3 17.0 25.6
71 38.6 32.3 48.5



#18
Hexachloroethane
Concen: 27.403 ng
RT: 7.175 min Scan# 865
Delta R.T. 0.018 min
Lab File: BF130470.D
Acq: 29 Sep 2022 16:58

Tgt Ion: 117 Resp: 81411
Ion Ratio Lower Upper
117 100
119 24.1 77.8 116.6#
201 0.0 68.7 103.1#

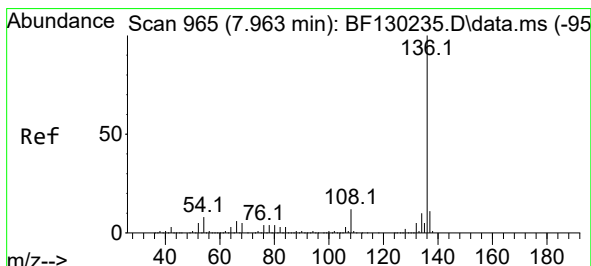
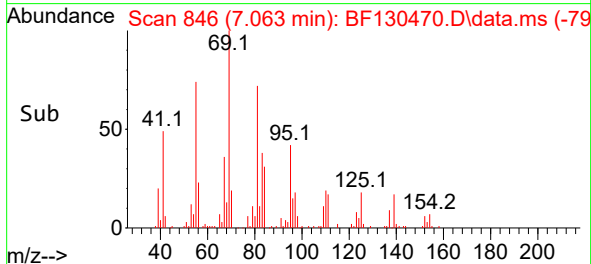
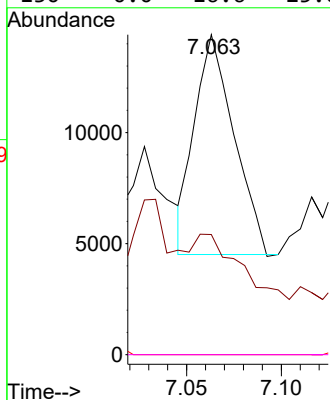
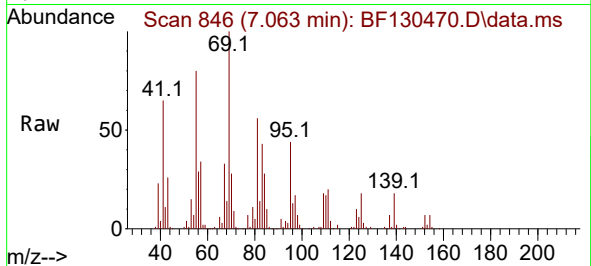




#19
n-Nitroso-di-n-propylamine
Concen: 2.865 ng
RT: 7.063 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF130470.D
Acq: 29 Sep 2022 16:58

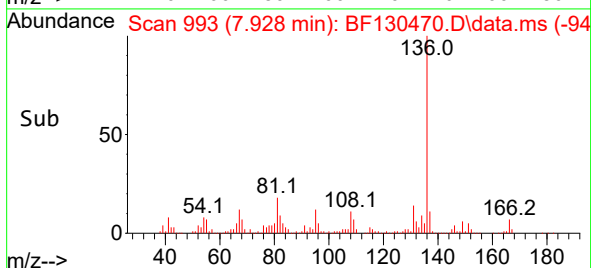
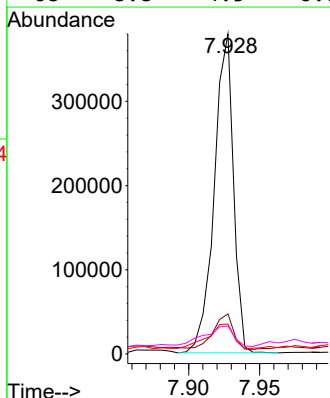
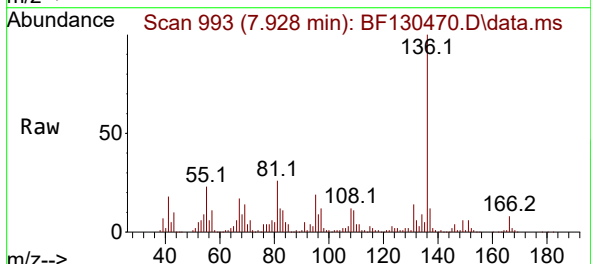
Instrument :
BNA_F
ClientSampleId :
MW-2R

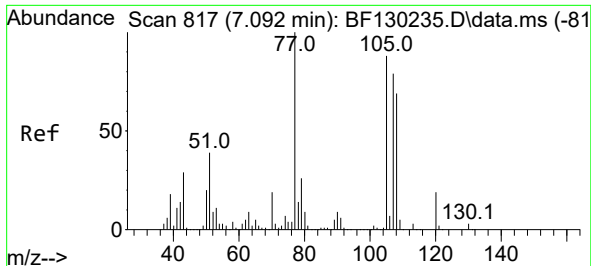
Tgt Ion: 70 Resp: 14263
Ion Ratio Lower Upper
70 100
42 37.5 50.8 76.2#
101 0.0 8.2 12.4#
130 0.0 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.928 min Scan# 993
Delta R.T. 0.000 min
Lab File: BF130470.D
Acq: 29 Sep 2022 16:58

Tgt Ion:136 Resp: 355945
Ion Ratio Lower Upper
136 100
137 12.5 9.1 13.7
54 9.4 7.1 10.7
68 8.8 4.5 6.7#

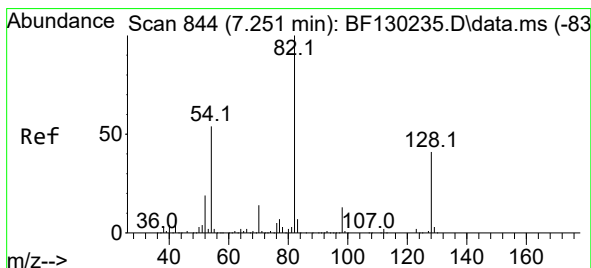
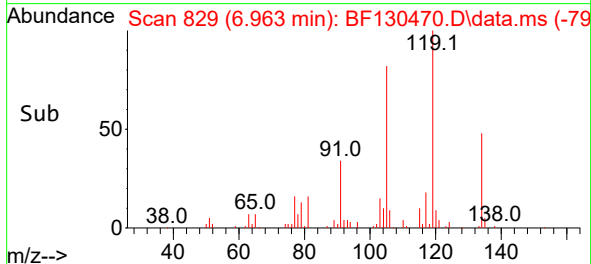
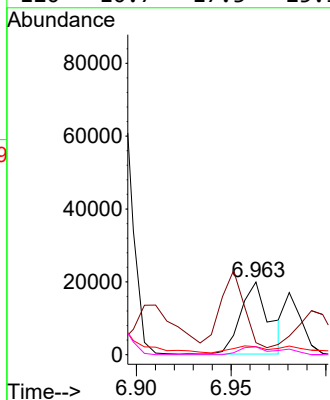
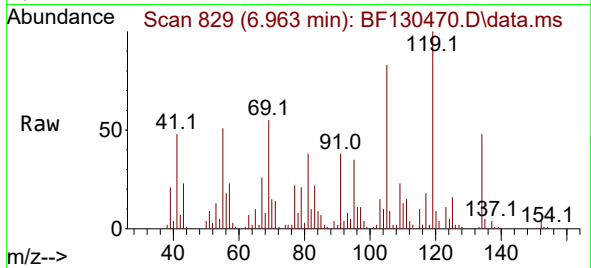




#22
Acetophenone
Concen: 2.389 ng
RT: 6.963 min Scan# 817
Delta R.T. -0.100 min
Lab File: BF130470.D
Acq: 29 Sep 2022 16:58

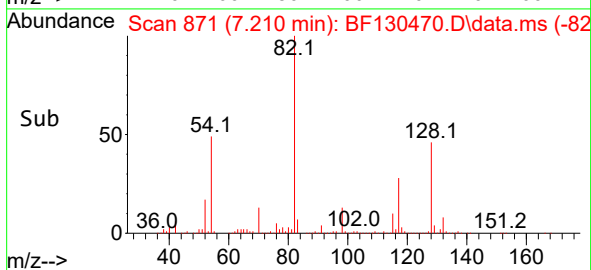
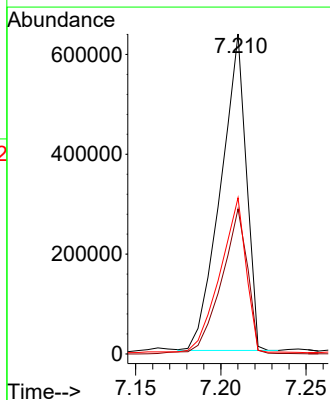
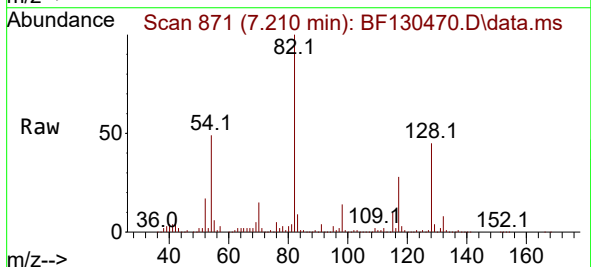
Instrument :
BNA_F
ClientSampleId :
MW-2R

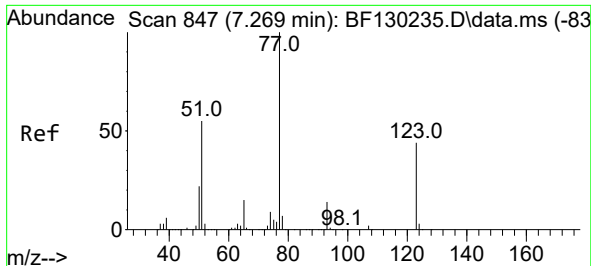
Tgt Ion:105 Resp: 20786
Ion Ratio Lower Upper
105 100
71 16.5 3.9 5.9#
51 11.0 32.2 48.2#
120 10.7 17.3 25.9#



#23
Nitrobenzene-d5
Concen: 95.161 ng
RT: 7.210 min Scan# 871
Delta R.T. -0.006 min
Lab File: BF130470.D
Acq: 29 Sep 2022 16:58

Tgt Ion: 82 Resp: 663011
Ion Ratio Lower Upper
82 100
128 45.4 32.6 49.0
54 48.8 43.8 65.6

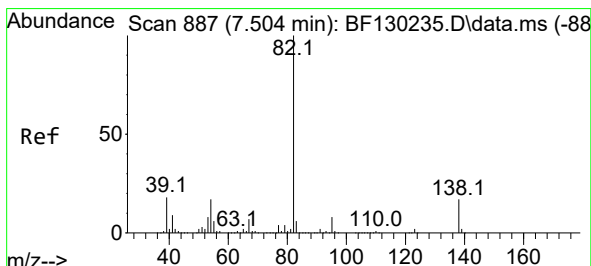
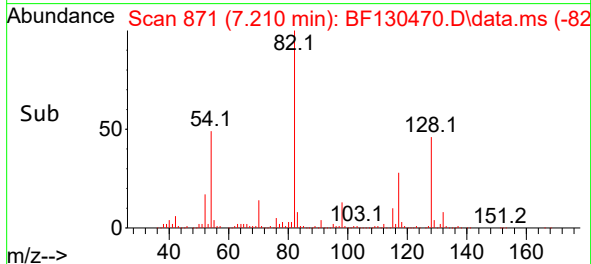
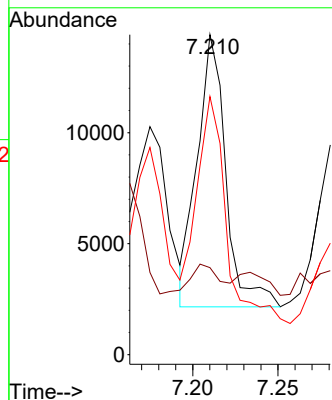
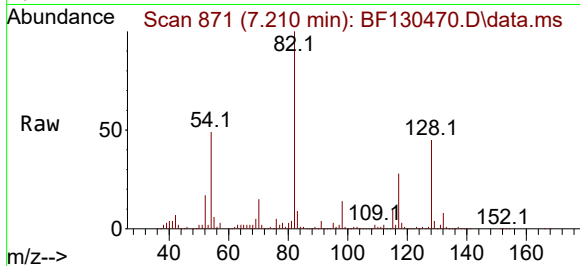




#24
Nitrobenzene
Concen: 2.024 ng
RT: 7.210 min Scan# 81
Delta R.T. -0.024 min
Lab File: BF130470.D
Acq: 29 Sep 2022 16:58

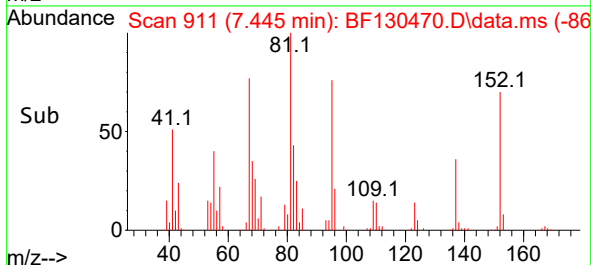
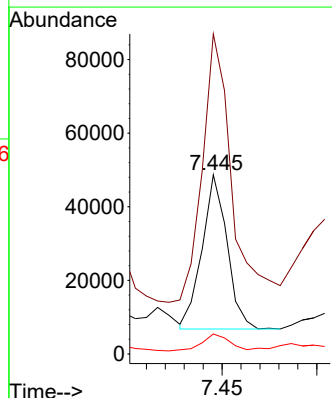
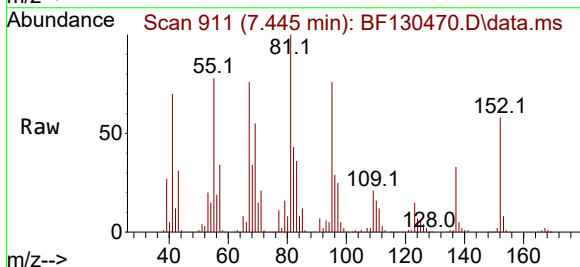
Instrument :
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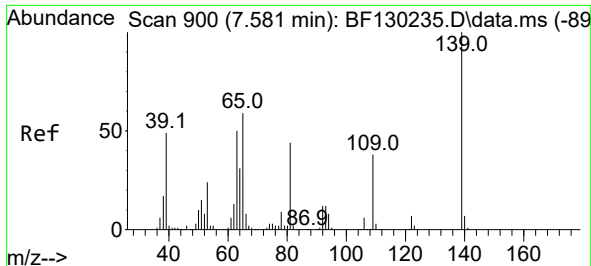
Tgt Ion: 77 Resp: 14317
Ion Ratio Lower Upper
77 100
123 27.2 34.3 51.5#
65 80.6 12.0 18.0#



#25
Isophorone
Concen: 3.442 ng
RT: 7.445 min Scan# 911
Delta R.T. -0.029 min
Lab File: BF130470.D
Acq: 29 Sep 2022 16:58

Tgt Ion: 82 Resp: 38649
Ion Ratio Lower Upper
82 100
95 178.5 6.4 9.6#
138 11.2 13.8 20.6#

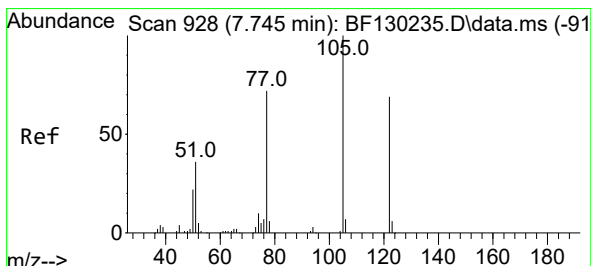
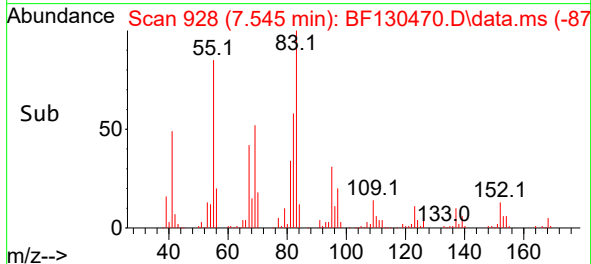
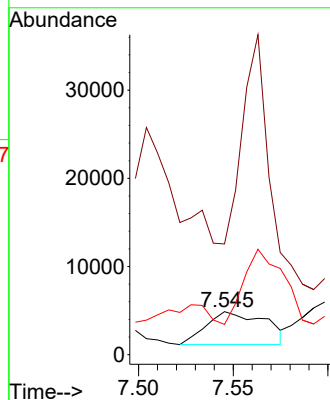
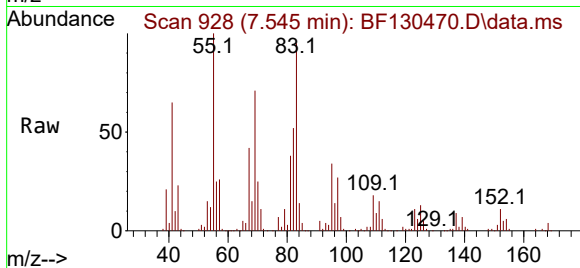




#26
2-Nitrophenol
Concen: 2.785 ng
RT: 7.545 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF130470.D
Acq: 29 Sep 2022 16:58

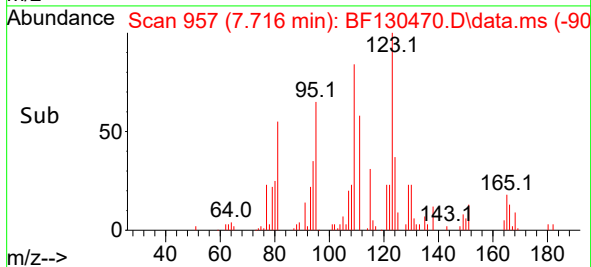
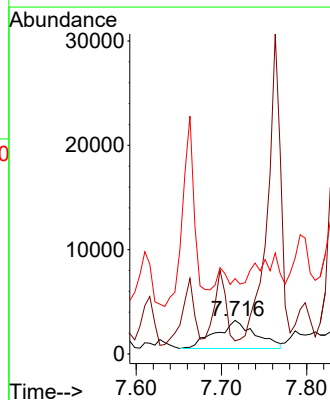
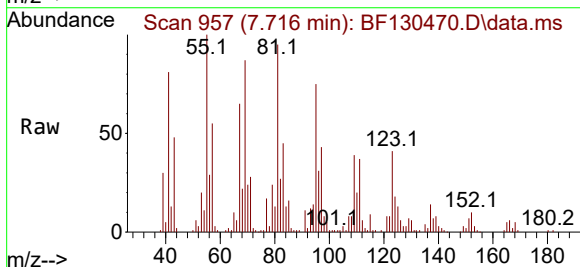
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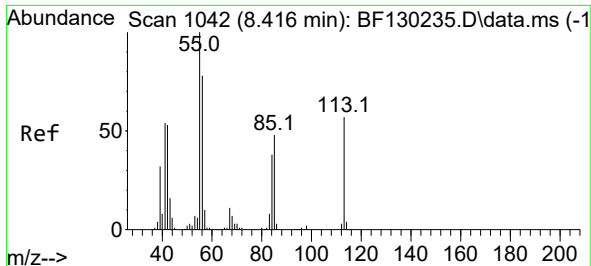
Tgt Ion:139 Resp: 8077
Ion Ratio Lower Upper
139 100
109 257.0 30.2 45.4#
65 70.3 48.9 73.3



#32
Benzoic acid
Concen: 2.547 ng
RT: 7.716 min Scan# 957
Delta R.T. -0.018 min
Lab File: BF130470.D
Acq: 29 Sep 2022 16:58

Tgt Ion:122 Resp: 8795
Ion Ratio Lower Upper
122 100
105 39.3 112.9 152.9#
77 224.5 82.8 122.8#

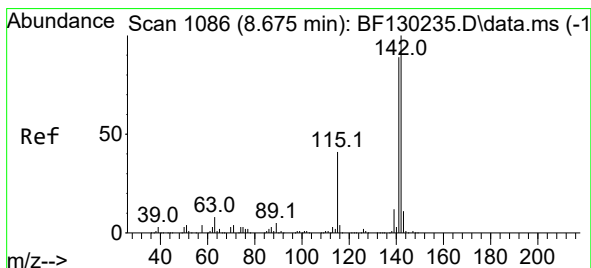
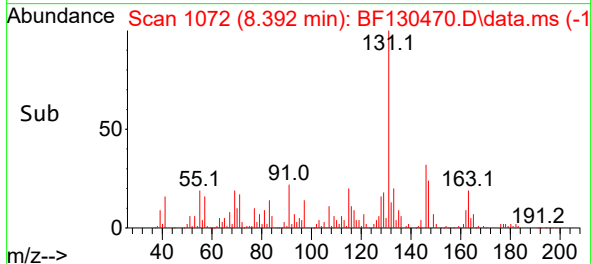
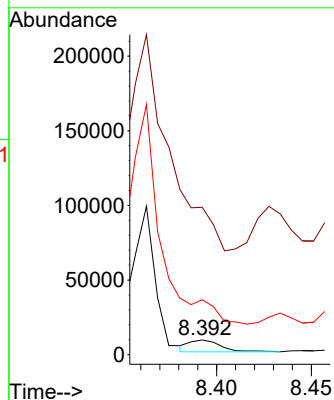
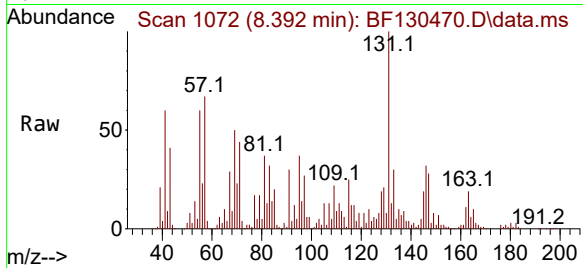




#35
 Caprolactam
 Concen: 6.621 ng
 RT: 8.392 min Scan# 1131
 Delta R.T. 0.006 min
 Lab File: BF130470.D
 Acq: 29 Sep 2022 16:58

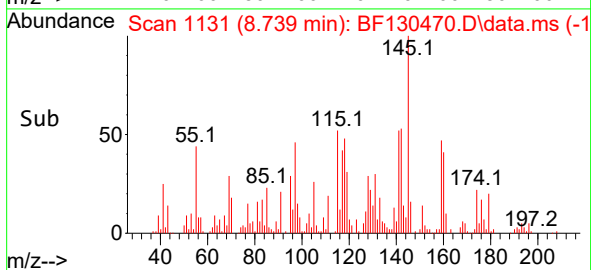
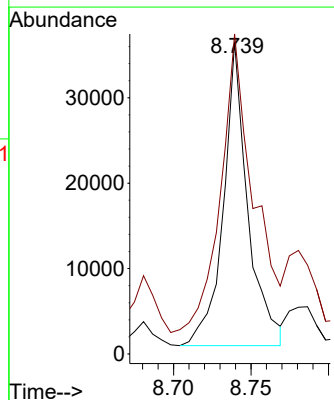
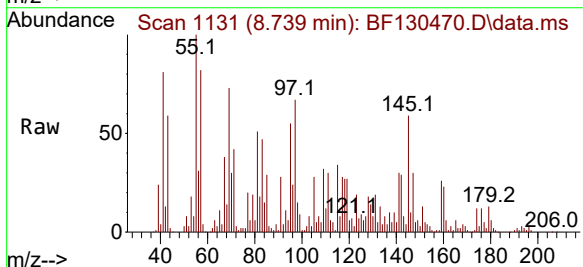
Instrument :
 BNA_F
 ClientSampleId :
 MW-2R

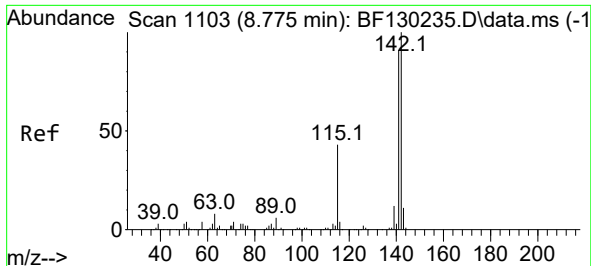
Tgt Ion:113 Resp: 9288
 Ion Ratio Lower Upper
 113 100
 55 1003.8 155.4 195.4#
 56 373.9 120.4 160.4#



#37
 2-Methylnaphthalene
 Concen: 3.334 ng
 RT: 8.739 min Scan# 1131
 Delta R.T. 0.100 min
 Lab File: BF130470.D
 Acq: 29 Sep 2022 16:58

Tgt Ion:142 Resp: 38982
 Ion Ratio Lower Upper
 142 100
 141 102.5 70.0 105.0

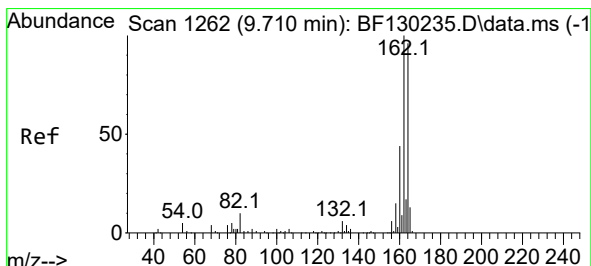
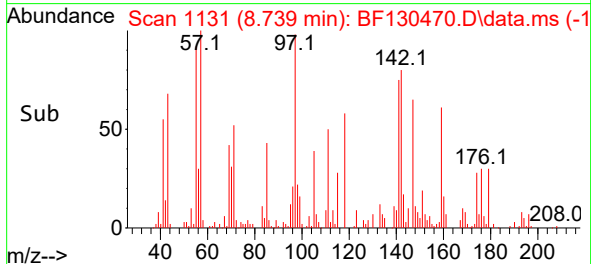
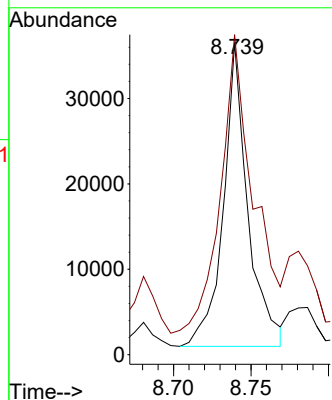
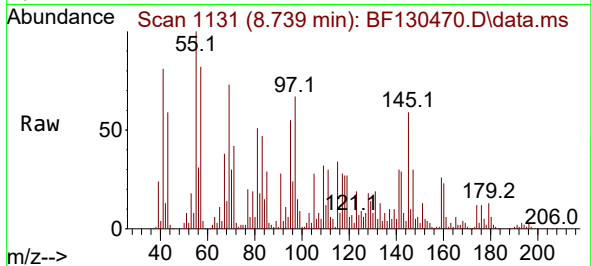




#38
1-Methylnaphthalene
Concen: 3.471 ng
RT: 8.739 min Scan# 1103
Delta R.T. 0.000 min
Lab File: BF130470.D
Acq: 29 Sep 2022 16:58

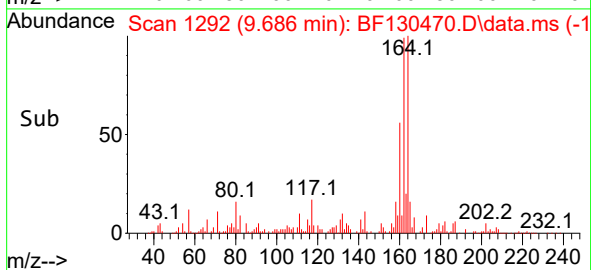
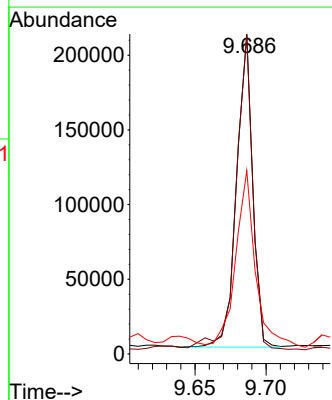
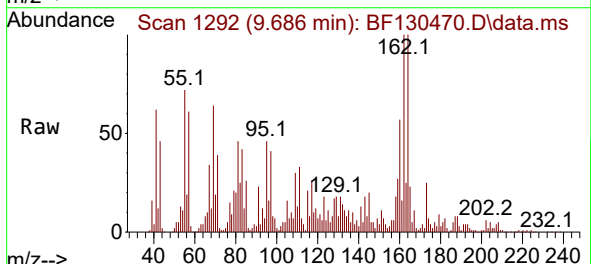
Instrument :
BNA_F
ClientSampleId :
MW-2R

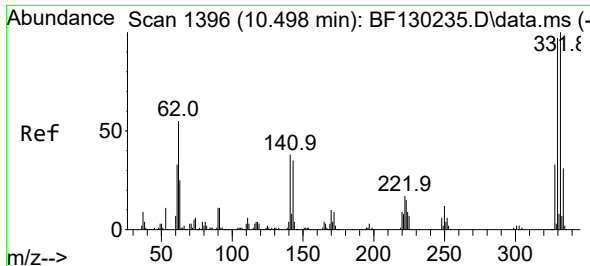
Tgt Ion:142 Resp: 38982
Ion Ratio Lower Upper
142 100
141 102.5 73.8 110.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.686 min Scan# 1292
Delta R.T. 0.006 min
Lab File: BF130470.D
Acq: 29 Sep 2022 16:58

Tgt Ion:164 Resp: 165465
Ion Ratio Lower Upper
164 100
162 100.4 81.4 122.0
160 57.5 36.2 54.4#

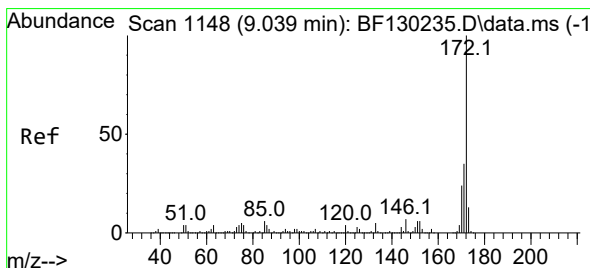
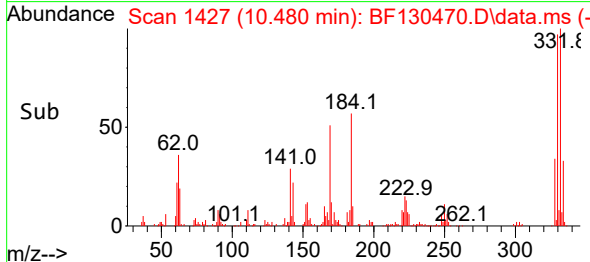
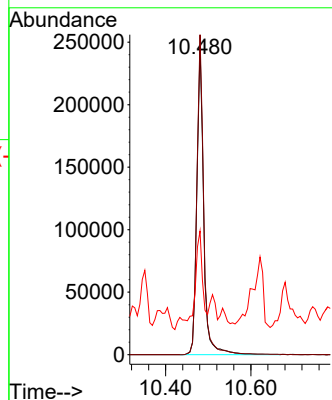
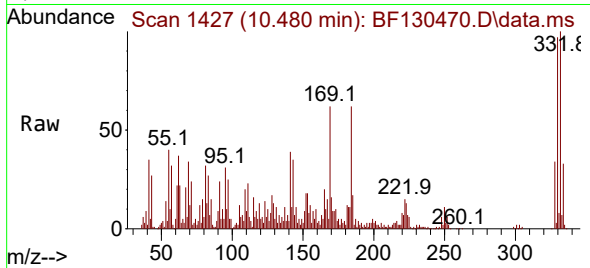




#42
2,4,6-Tribromophenol
Concen: 174.196 ng
RT: 10.480 min Scan# 1427
Delta R.T. 0.012 min
Lab File: BF130470.D
Acq: 29 Sep 2022 16:58

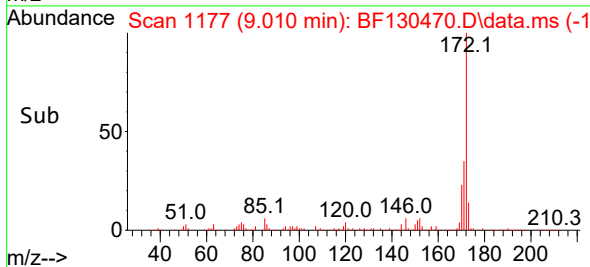
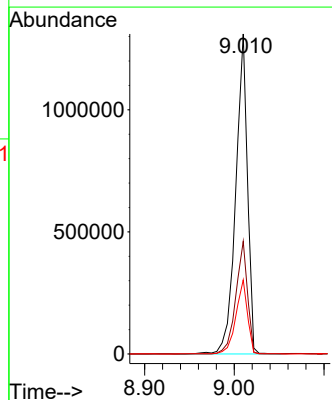
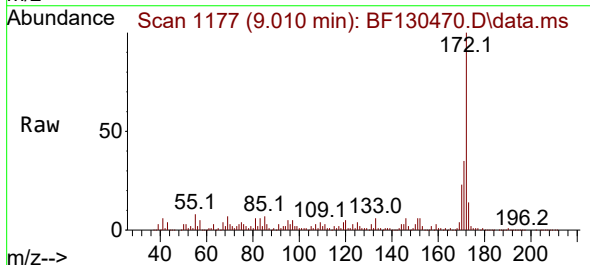
Instrument :
BNA_F
ClientSampleId :
MW-2R

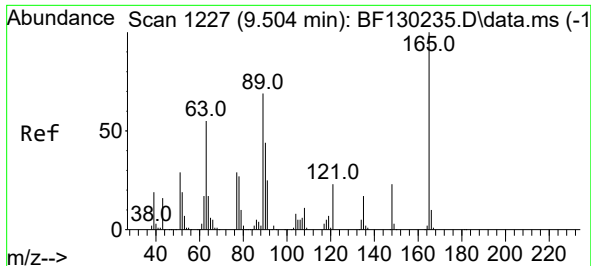
Tgt Ion:330 Resp: 276183
Ion Ratio Lower Upper
330 100
332 103.2 83.4 125.2
141 26.2 34.0 51.0#



#45
2-Fluorobiphenyl
Concen: 105.024 ng
RT: 9.010 min Scan# 1177
Delta R.T. 0.000 min
Lab File: BF130470.D
Acq: 29 Sep 2022 16:58

Tgt Ion:172 Resp: 1193376
Ion Ratio Lower Upper
172 100
171 35.2 28.3 42.5
170 23.2 18.7 28.1

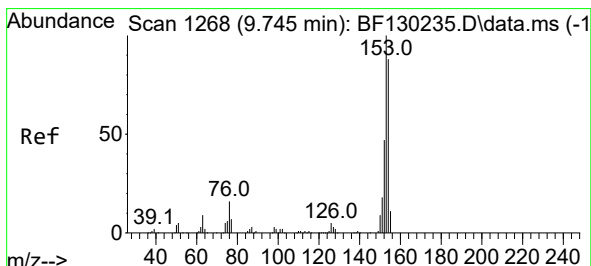
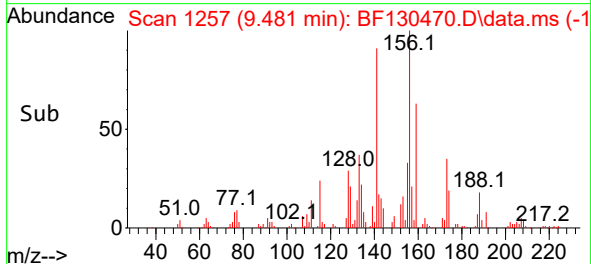
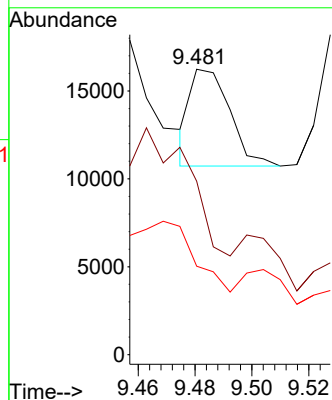
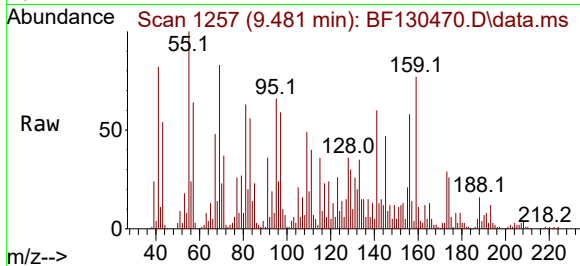




#51
2,6-Dinitrotoluene
Concen: 2.215 ng
RT: 9.481 min Scan# 1257
Delta R.T. 0.006 min
Lab File: BF130470.D
Acq: 29 Sep 2022 16:58

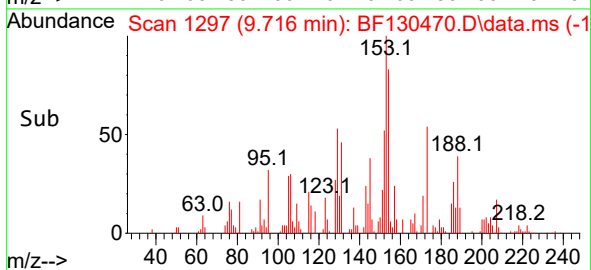
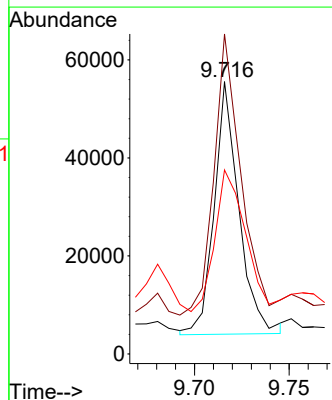
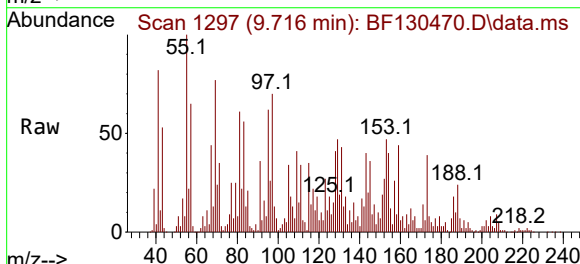
Instrument :
BNA_F
ClientSampleId :
MW-2R

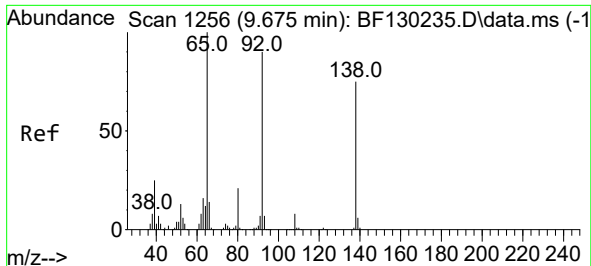
Tgt Ion:165 Resp: 5295
Ion Ratio Lower Upper
165 100
63 60.8 58.8 88.2
89 31.0 54.5 81.7#



#52
Acenaphthene
Concen: 4.753 ng
RT: 9.716 min Scan# 1297
Delta R.T. 0.000 min
Lab File: BF130470.D
Acq: 29 Sep 2022 16:58

Tgt Ion:154 Resp: 46802
Ion Ratio Lower Upper
154 100
153 117.5 90.6 136.0
152 67.5 43.8 65.6#

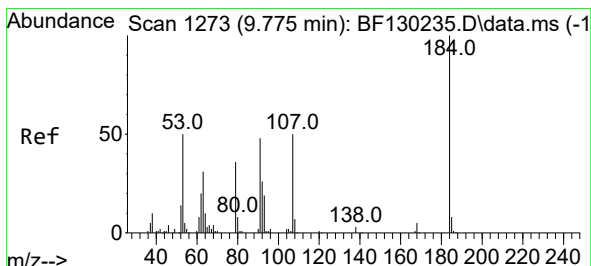
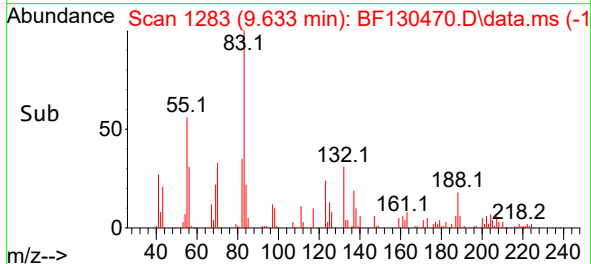
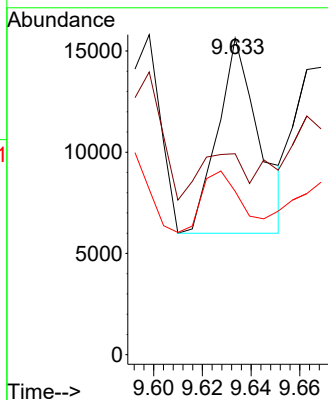
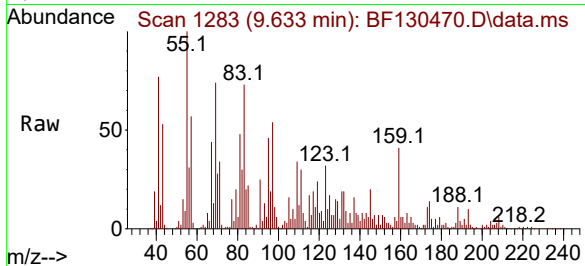




#53
3-Nitroaniline
Concen: 4.241 ng
RT: 9.633 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF130470.D
Acq: 29 Sep 2022 16:58

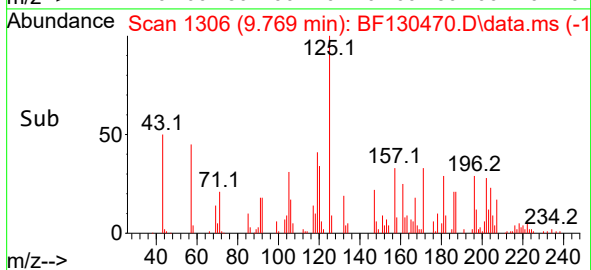
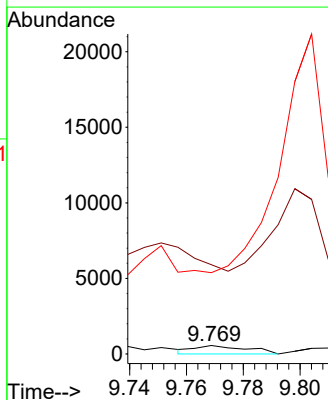
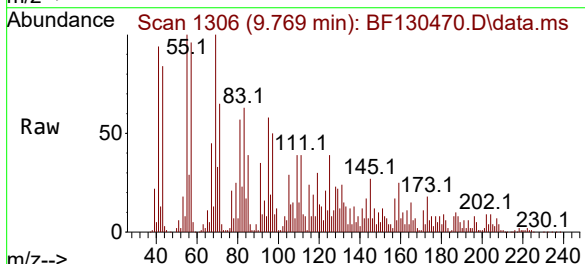
Instrument :
BNA_F
ClientSampleId :
MW-2R

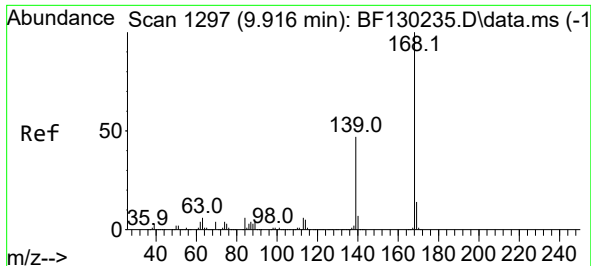
Tgt Ion:138 Resp: 11295
Ion Ratio Lower Upper
138 100
108 63.5 9.2 13.8#
92 51.6 99.2 148.8#



#54
2,4-Dinitrophenol
Concen: 6.765 ng
RT: 9.769 min Scan# 1306
Delta R.T. 0.018 min
Lab File: BF130470.D
Acq: 29 Sep 2022 16:58

Tgt Ion:184 Resp: 718
Ion Ratio Lower Upper
184 100
63 1059.5 70.0 105.0#
154 964.3 63.0 94.6#

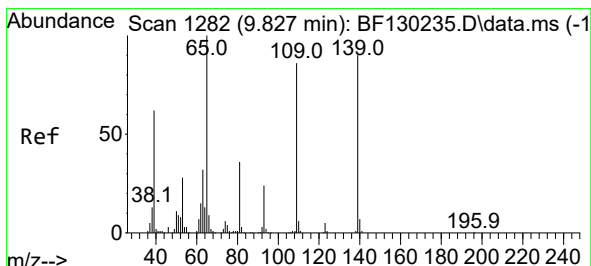
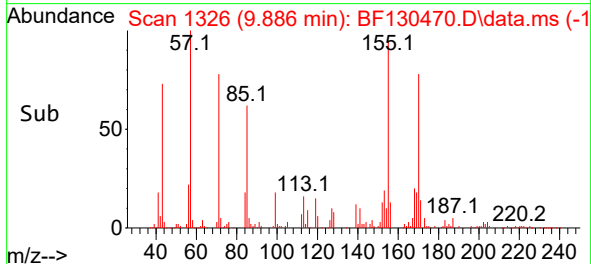
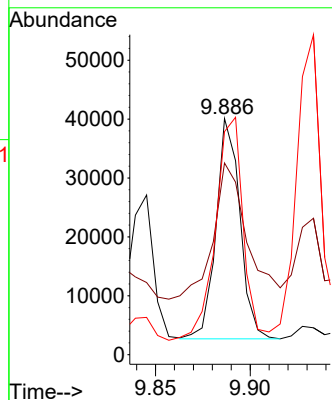
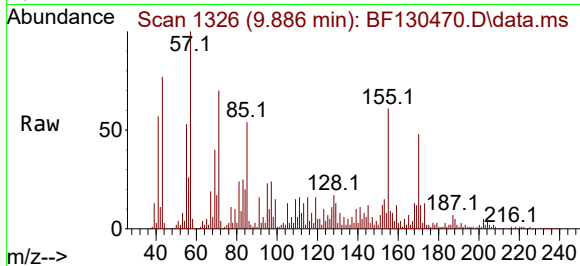




#55
Dibenzenofuran
Concen: 2.395 ng
RT: 9.886 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF130470.D
Acq: 29 Sep 2022 16:58

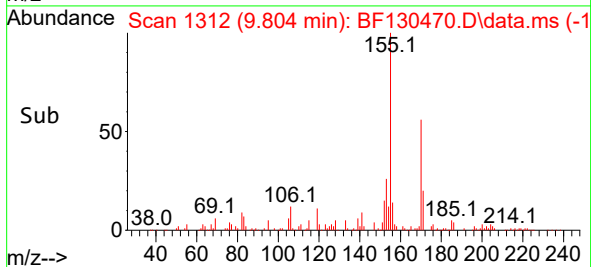
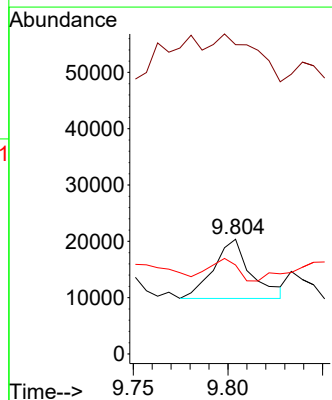
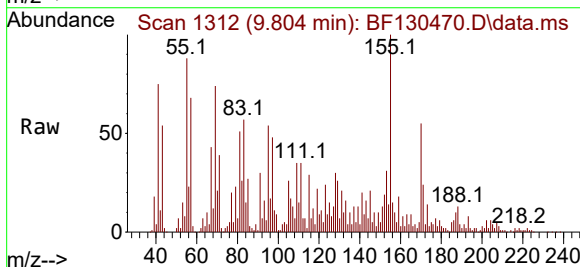
Instrument :
BNA_F
ClientSampleId :
MW-2R

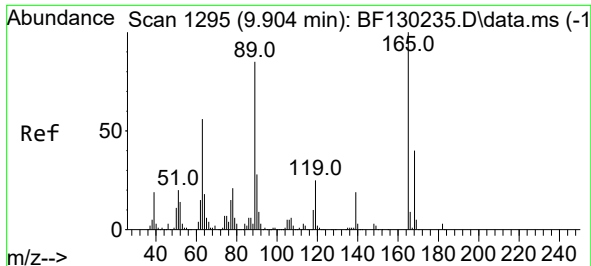
Tgt Ion:168 Resp: 32799
Ion Ratio Lower Upper
168 100
139 81.2 35.0 52.4#
169 94.5 10.9 16.3#



#56
4-Nitrophenol
Concen: 7.422 ng
RT: 9.804 min Scan# 1312
Delta R.T. -0.006 min
Lab File: BF130470.D
Acq: 29 Sep 2022 16:58

Tgt Ion:139 Resp: 14398
Ion Ratio Lower Upper
139 100
109 269.5 72.2 112.2#
65 77.5 97.7 137.7#

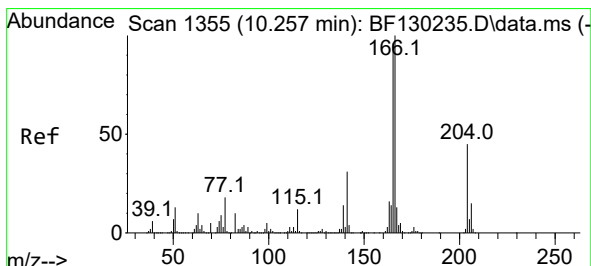
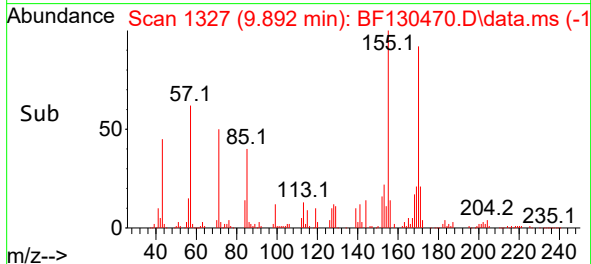
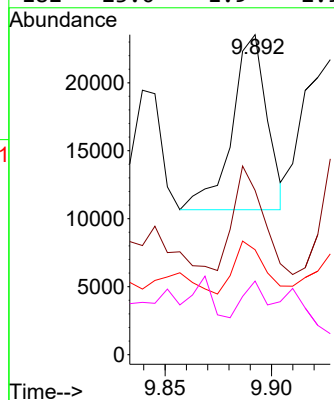
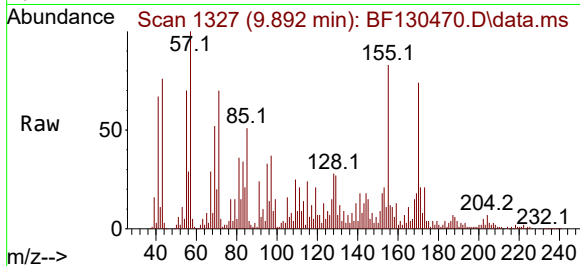




#57
2,4-Dinitrotoluene
Concen: 4.849 ng
RT: 9.892 min Scan# 11
Delta R.T. 0.018 min
Lab File: BF130470.D
Acq: 29 Sep 2022 16:58

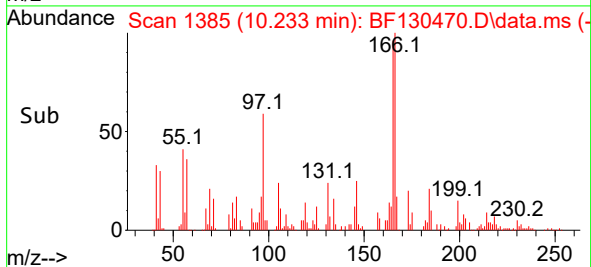
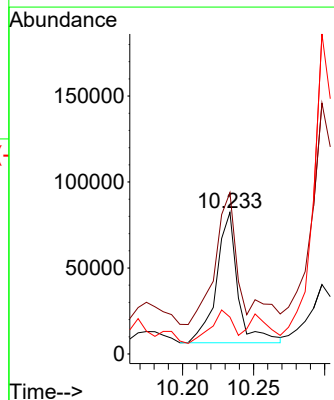
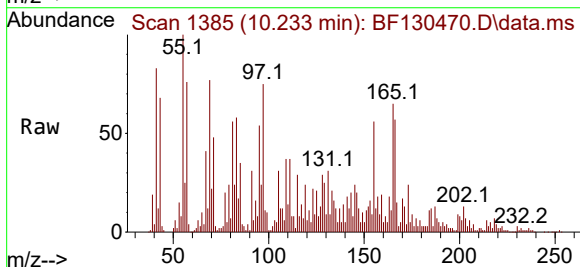
Instrument :
BNA_F
ClientSampleId :
MW-2R

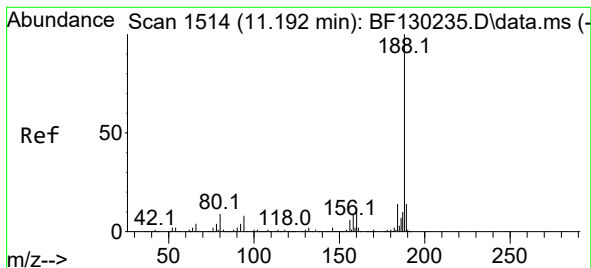
Tgt Ion:165 Resp: 14813
Ion Ratio Lower Upper
165 100
63 51.4 44.7 67.1
89 32.8 69.0 103.4#
182 23.0 1.9 2.9#



#58
Fluorene
Concen: 7.091 ng
RT: 10.233 min Scan# 1385
Delta R.T. 0.006 min
Lab File: BF130470.D
Acq: 29 Sep 2022 16:58

Tgt Ion:166 Resp: 79438
Ion Ratio Lower Upper
166 100
165 114.0 78.8 118.2
167 26.0 10.6 15.8#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.169 min Scan# 1

Delta R.T. 0.012 min

Lab File: BF130470.D

Acq: 29 Sep 2022 16:58

Instrument :

BNA_F

ClientSampleId :

MW-2R

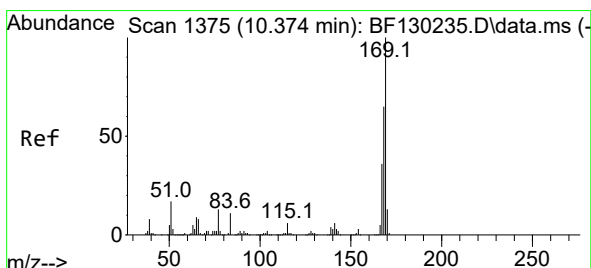
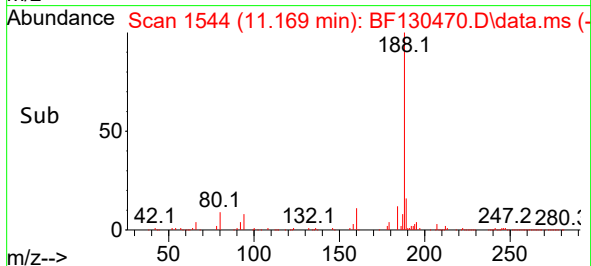
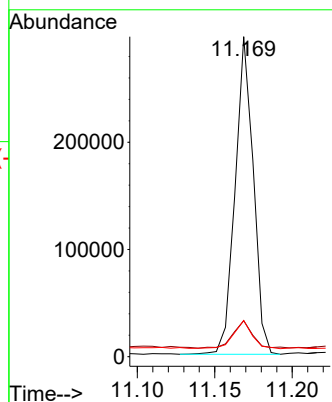
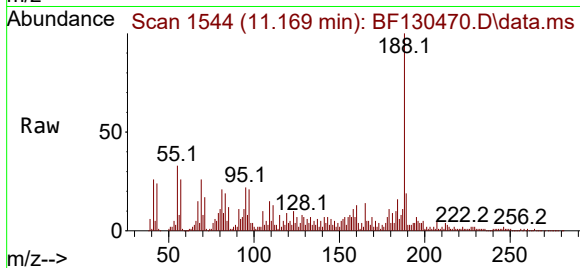
Tgt Ion:188 Resp: 241482

Ion Ratio Lower Upper

188 100

94 11.3 7.4 11.2#

80 11.3 7.9 11.9



#66

n-Nitrosodiphenylamine

Concen: 30.982 ng

RT: 10.351 min Scan# 1405

Delta R.T. 0.006 min

Lab File: BF130470.D

Acq: 29 Sep 2022 16:58

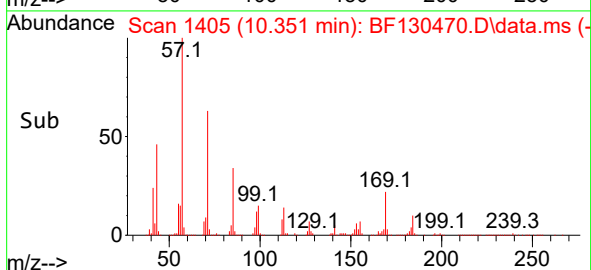
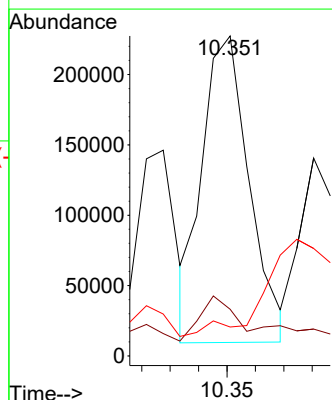
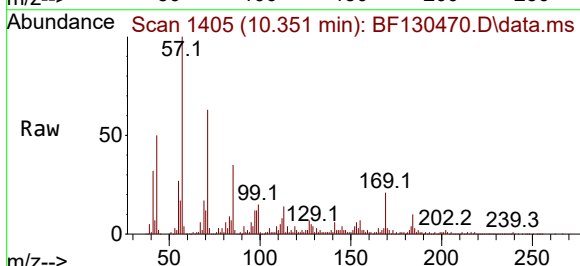
Tgt Ion:169 Resp: 250012

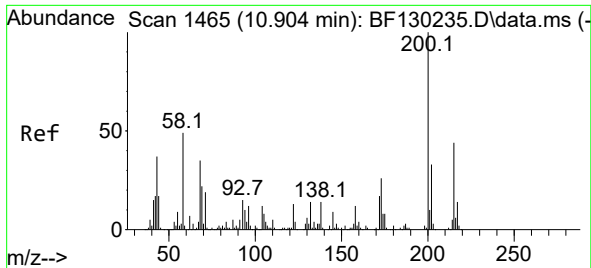
Ion Ratio Lower Upper

169 100

168 14.6 53.2 79.8#

167 9.0 29.2 43.8#





#69

Atrazine

Concen: 3.852 ng

RT: 10.892 min Scan# 1465

Delta R.T. 0.018 min

Lab File: BF130470.D

Acq: 29 Sep 2022 16:58

Instrument :

BNA_F

ClientSampleId :

MW-2R

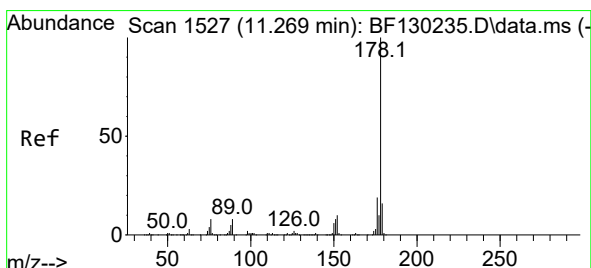
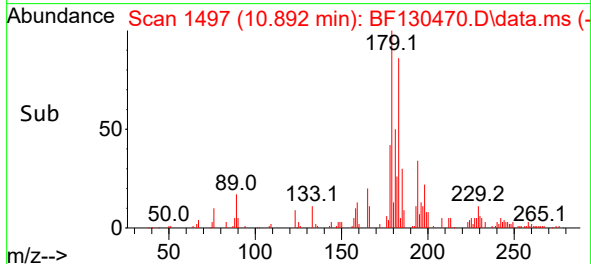
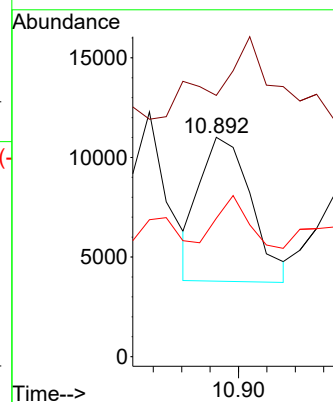
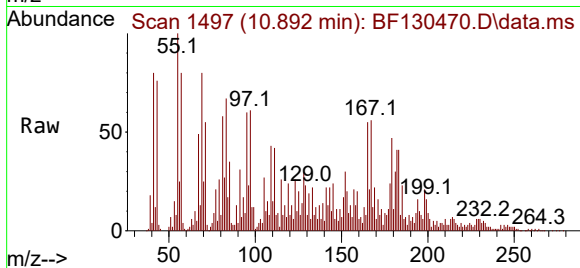
Tgt Ion:200 Resp: 9085

Ion Ratio Lower Upper

200 100

173 119.1 6.2 46.2#

215 63.1 22.5 62.5#



#72

Anthracene

Concen: 2.171 ng

RT: 11.227 min Scan# 1554

Delta R.T. -0.006 min

Lab File: BF130470.D

Acq: 29 Sep 2022 16:58

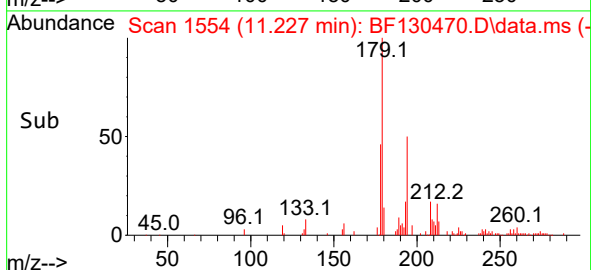
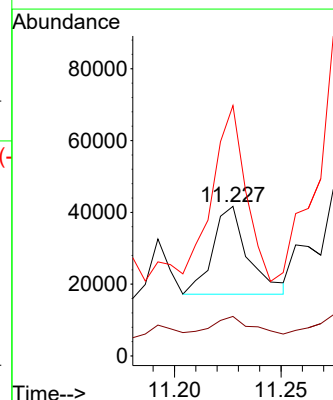
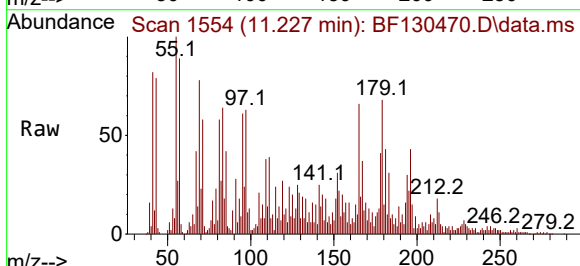
Tgt Ion:178 Resp: 28402

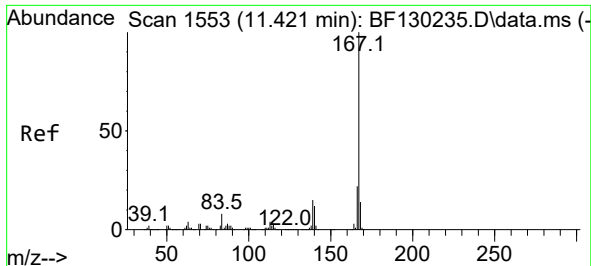
Ion Ratio Lower Upper

178 100

176 26.5 15.0 22.6#

179 167.4 12.7 19.1#

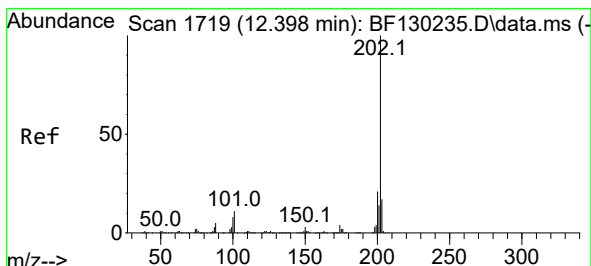
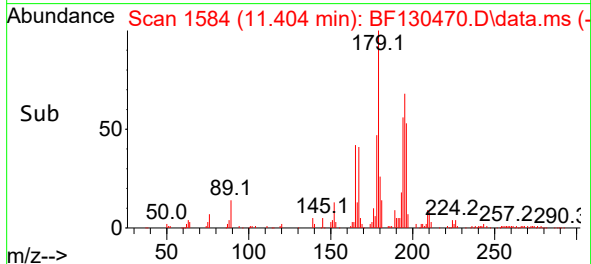
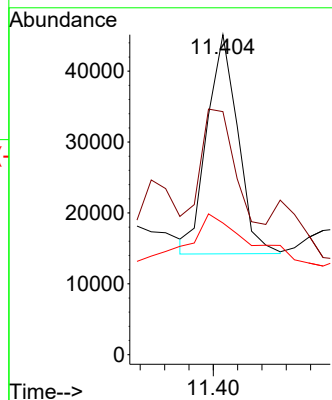
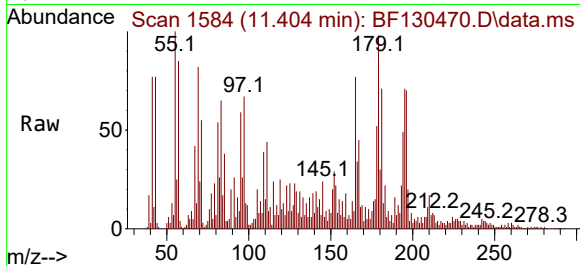




#73
 Carbazole
 Concen: 2.301 ng
 RT: 11.404 min Scan# 11
 Delta R.T. 0.012 min
 Lab File: BF130470.D
 Acq: 29 Sep 2022 16:58

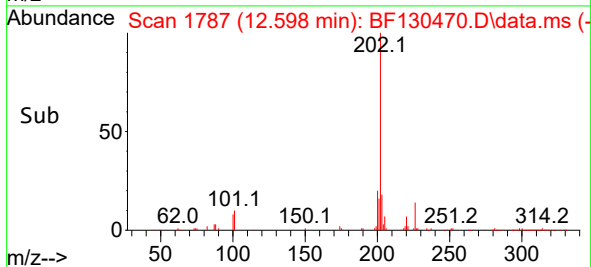
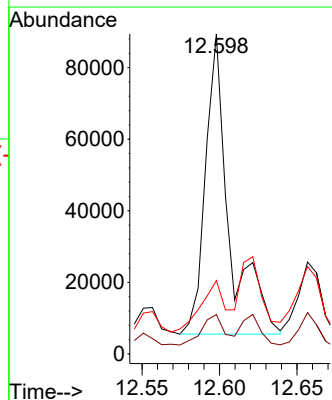
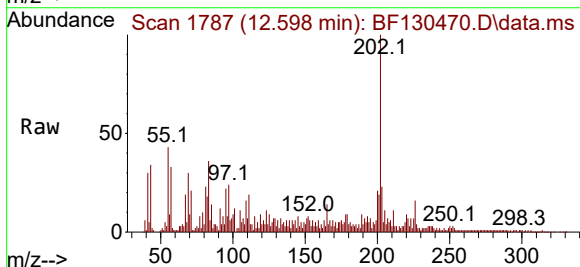
Instrument :
 BNA_F
 ClientSampleId :
 MW-2R

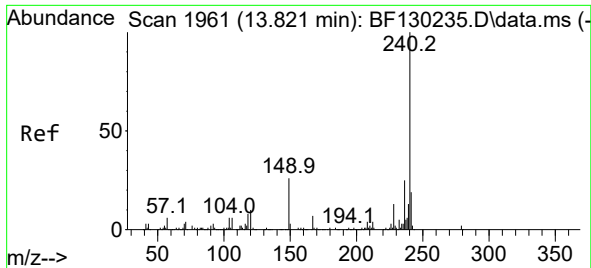
Tgt Ion:167 Resp: 27175
 Ion Ratio Lower Upper
 167 100
 166 75.9 17.4 26.2#
 139 41.2 11.6 17.4#



#75
 Fluoranthene
 Concen: 6.896 ng
 RT: 12.598 min Scan# 1787
 Delta R.T. 0.229 min
 Lab File: BF130470.D
 Acq: 29 Sep 2022 16:58

Tgt Ion:202 Resp: 90350
 Ion Ratio Lower Upper
 202 100
 101 12.3 0.0 31.8
 203 22.9 0.0 37.8

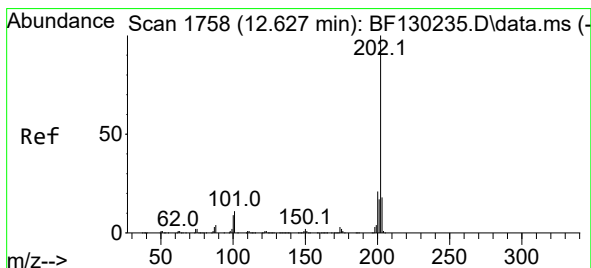
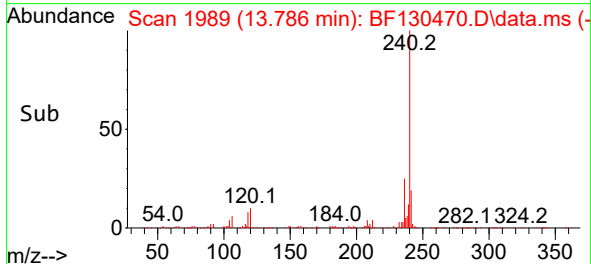
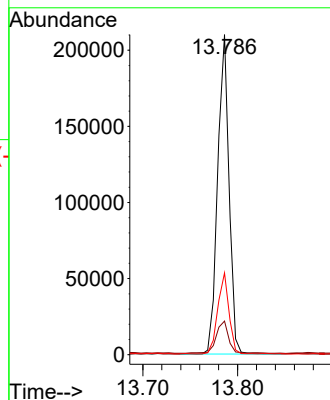
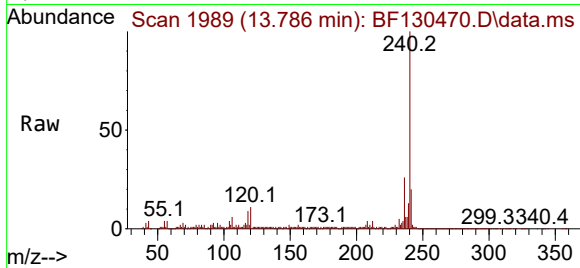




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.786 min Scan# 1961
Delta R.T. -0.006 min
Lab File: BF130470.D
Acq: 29 Sep 2022 16:58

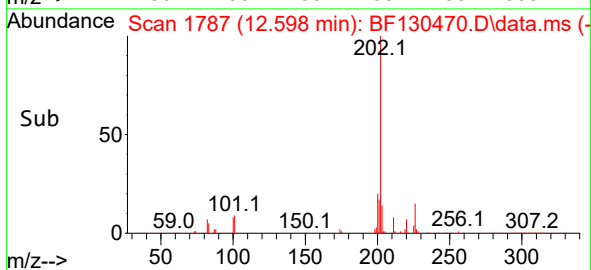
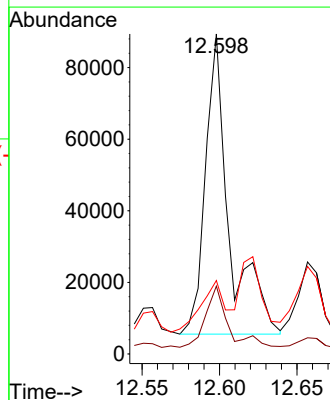
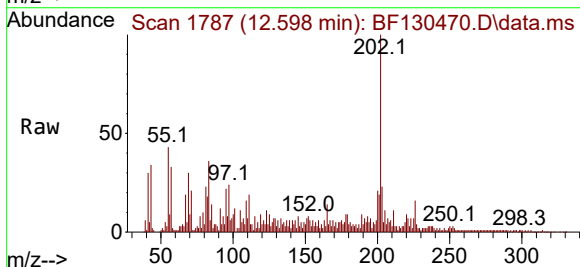
Instrument :
BNA_F
ClientSampleId :
MW-2R

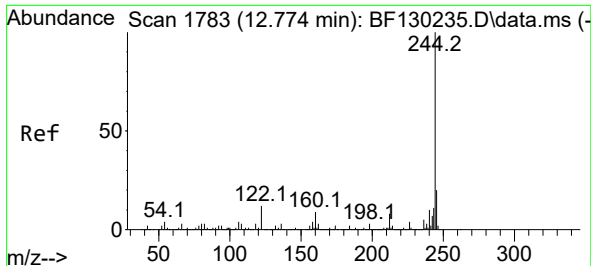
Tgt Ion:240 Resp: 174531
Ion Ratio Lower Upper
240 100
120 10.5 8.7 13.1
236 25.6 20.9 31.3



#78
Pyrene
Concen: 5.918 ng
RT: 12.598 min Scan# 1787
Delta R.T. 0.006 min
Lab File: BF130470.D
Acq: 29 Sep 2022 16:58

Tgt Ion:202 Resp: 90350
Ion Ratio Lower Upper
202 100
200 21.2 17.2 25.8
203 22.9 14.3 21.5#

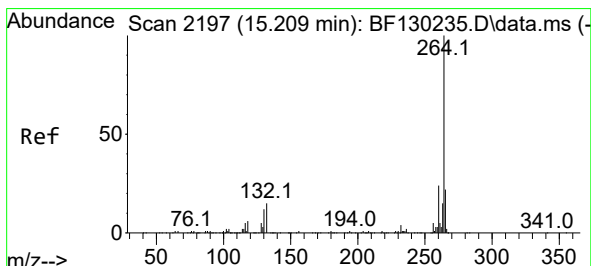
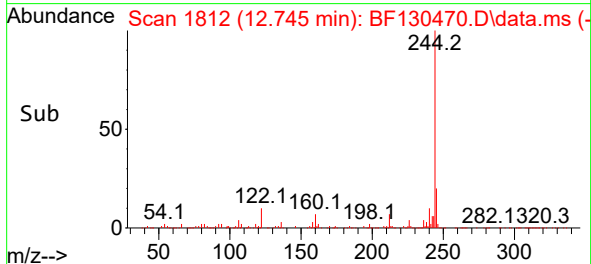
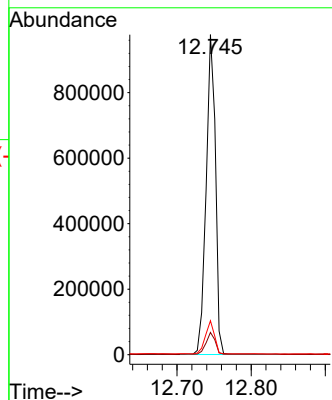
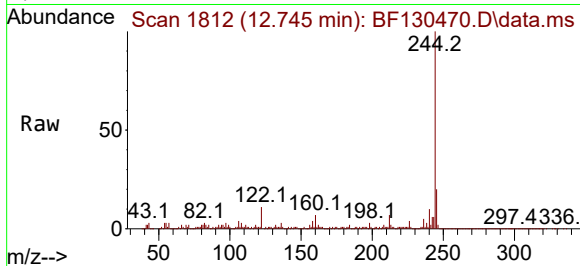




#79
 Terphenyl-d14
 Concen: 81.084 ng
 RT: 12.745 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF130470.D
 Acq: 29 Sep 2022 16:58

Instrument :
 BNA_F
 ClientSampleId :
 MW-2R

Tgt Ion:244 Resp: 854312
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.9 8.9
 122 10.6 8.5 12.7



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.174 min Scan# 2225
 Delta R.T. 0.000 min
 Lab File: BF130470.D
 Acq: 29 Sep 2022 16:58

Tgt Ion:264 Resp: 203413
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.3 28.9
 265 21.2 17.0 25.4

