

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111622\
 Data File : BF131275.D
 Acq On : 16 Nov 2022 20:21
 Operator : CG\JU
 Sample : N5497-06
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-12

Quant Time: Nov 16 22:18:12 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 16 06:35:36 2022
 Response via : Initial Calibration

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

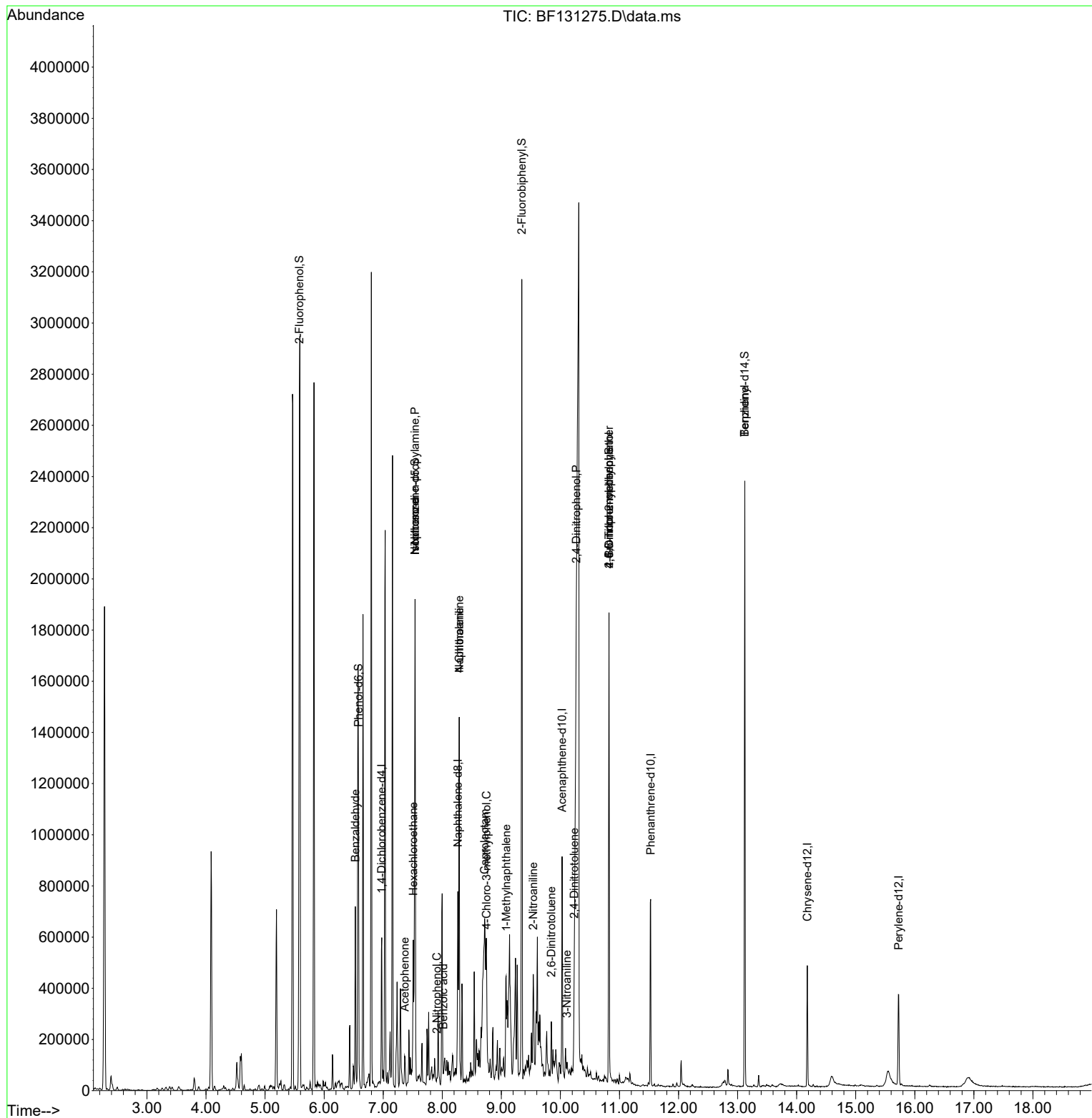
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.975	152	81284	20.000	ng	0.00
21) Naphthalene-d8	8.263	136	291647	20.000	ng	0.00
39) Acenaphthene-d10	10.028	164	159881	20.000	ng	0.00
64) Phenanthrene-d10	11.528	188	270174	20.000	ng	# 0.00
76) Chrysene-d12	14.180	240	146932	20.000	ng	0.00
86) Perylene-d12	15.727	264	175864	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.581	112	325138	70.831	ng	0.00
7) Phenol-d6	6.581	99	291851	50.198	ng	-0.01
23) Nitrobenzene-d5	7.540	82	507967	97.762	ng	0.00
42) 2,4,6-Tribromophenol	10.822	330	185984	121.781	ng	0.00
45) 2-Fluorobiphenyl	9.345	172	908562	83.162	ng	0.00
79) Terphenyl-d14	13.122	244	756227	88.384	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.528	77	27734	6.576	ng	# 1
18) Hexachloroethane	7.510	117	32849	15.305	ng	# 1
19) n-Nitroso-di-n-propyla...	7.540	70	70543	17.412	ng	# 79
22) Acetophenone	7.363	105	40220	5.290	ng	# 56
25) Isophorone	7.540	82	504622	48.613	ng	# 67
26) 2-Nitrophenol	7.910	139	70	4.458	ng	# 1
31) Naphthalene	8.287	128	502057	31.774	ng	98
32) Benzoic acid	8.016	122	1920	6.711	ng	# 21
33) 4-Chloroaniline	8.287	127	69418	11.160	ng	# 35
35) Caprolactam	8.716	113	178819	131.692	ng	91
36) 4-Chloro-3-methylphenol	8.751	107	22489	4.650	ng	# 22
38) 1-Methylnaphthalene	9.081	142	51760	5.072	ng	97
48) 2-Nitroaniline	9.539	65	8899	6.607	ng	# 34
51) 2,6-Dinitrotoluene	9.845	165	3904	4.601	ng	# 31
53) 3-Nitroaniline	10.110	138	254	2.826	ng	# 1
54) 2,4-Dinitrophenol	10.269	184	849	6.654	ng	# 1
57) 2,4-Dinitrotoluene	10.233	165	1041	4.578	ng	# 10
65) 4,6-Dinitro-2-methylph...	10.822	198	523	8.375	ng	# 1
67) 4-Bromophenyl-phenylether	10.822	248	11993	3.781	ng	# 1
77) Benzidine	13.122	184	10423	3.310	ng	# 93

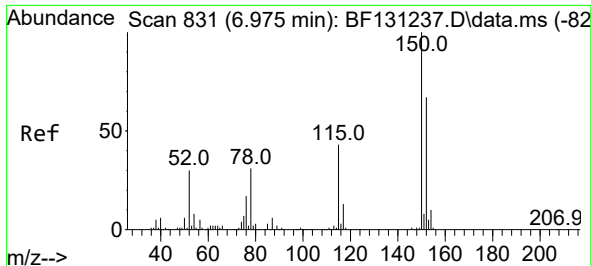
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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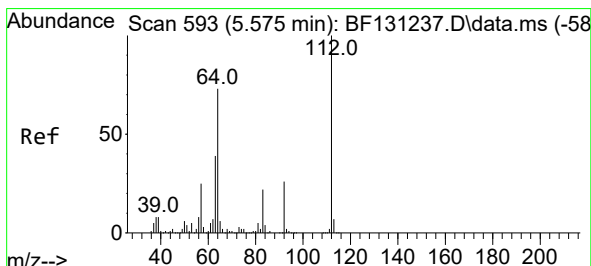
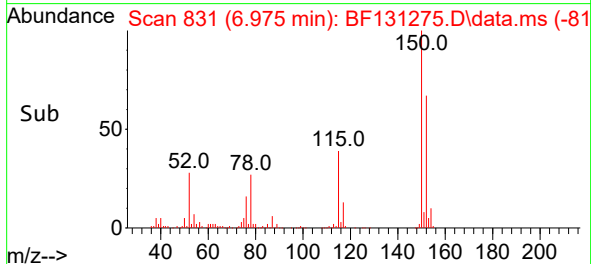
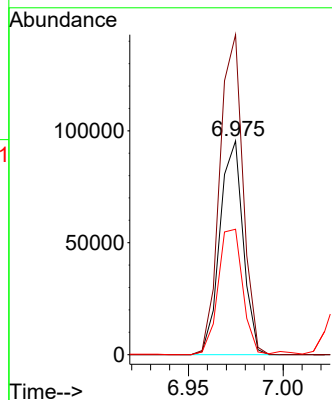
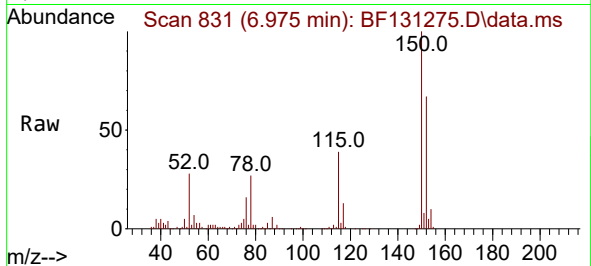




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.975 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF131275.D
Acq: 16 Nov 2022 20:21

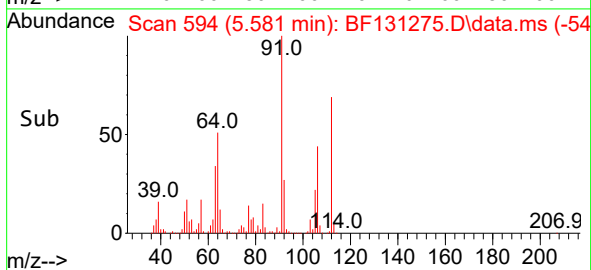
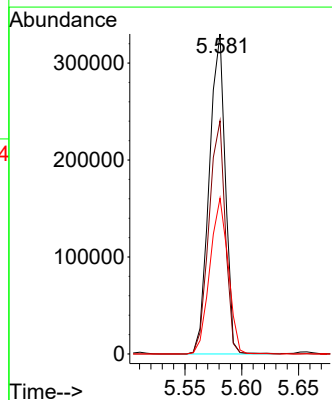
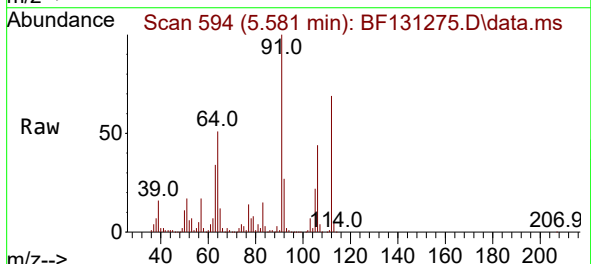
Instrument :
BNA_F
ClientSampleId :
MW-12

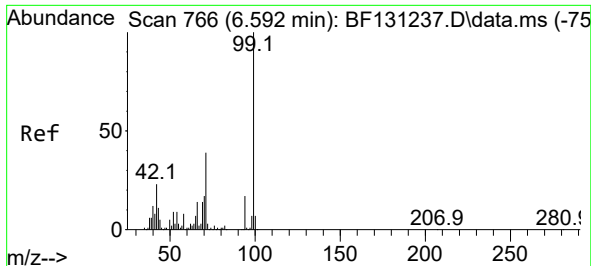
Tgt Ion:152 Resp: 81284
Ion Ratio Lower Upper
152 100
150 149.7 120.2 180.4
115 58.7 51.8 77.8



#5
2-Fluorophenol
Concen: 70.831 ng
RT: 5.581 min Scan# 594
Delta R.T. 0.006 min
Lab File: BF131275.D
Acq: 16 Nov 2022 20:21

Tgt Ion:112 Resp: 325138
Ion Ratio Lower Upper
112 100
64 72.8 58.4 87.6
63 48.7 31.6 47.4#

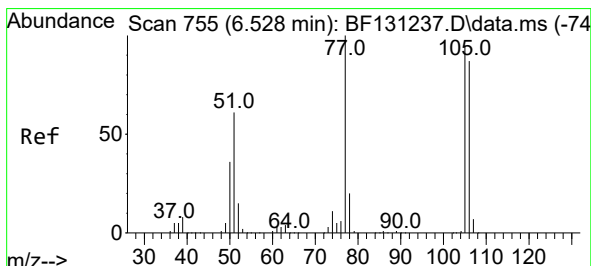
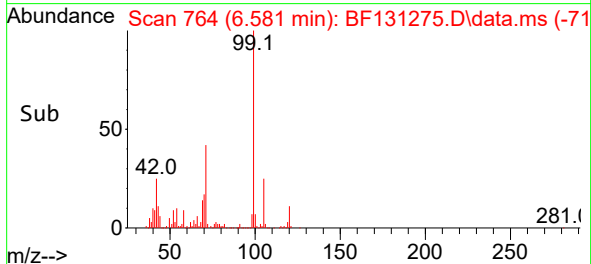
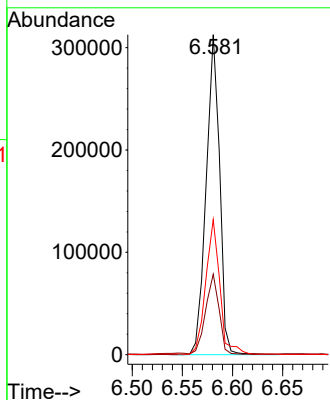
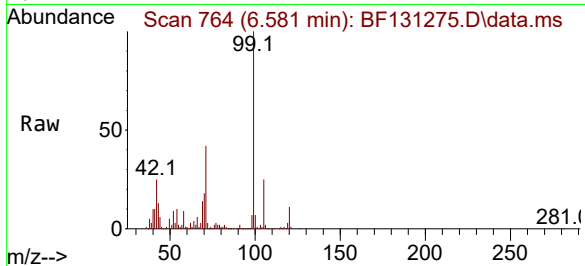




#7
Phenol-d6
Concen: 50.198 ng
RT: 6.581 min Scan# 764
Delta R.T. -0.011 min
Lab File: BF131275.D
Acq: 16 Nov 2022 20:21

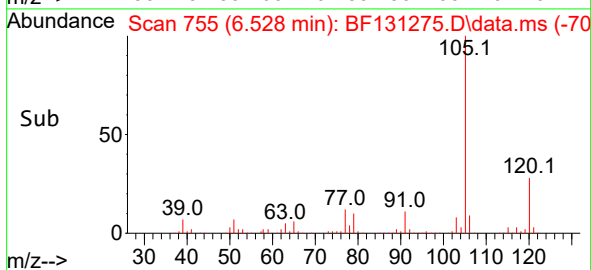
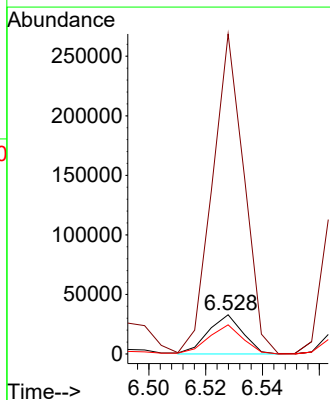
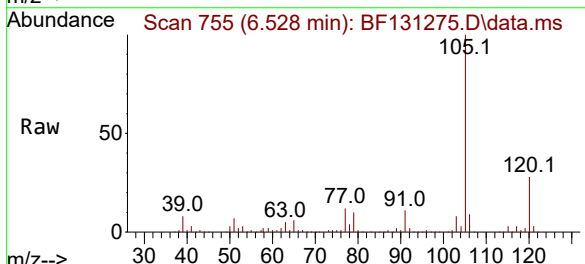
Instrument :
BNA_F
ClientSampleId :
MW-12

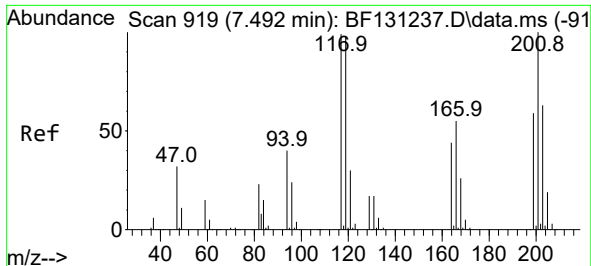
Tgt Ion: 99 Resp: 291851
Ion Ratio Lower Upper
99 100
42 25.2 18.6 28.0
71 42.2 31.1 46.7



#9
Benzaldehyde
Concen: 6.576 ng
RT: 6.528 min Scan# 755
Delta R.T. -0.000 min
Lab File: BF131275.D
Acq: 16 Nov 2022 20:21

Tgt Ion: 77 Resp: 27734
Ion Ratio Lower Upper
77 100
105 815.1 74.8 114.8#
106 74.3 67.3 107.3

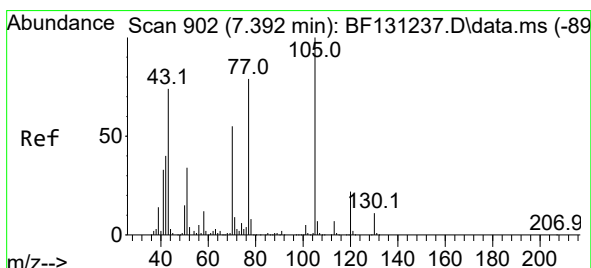
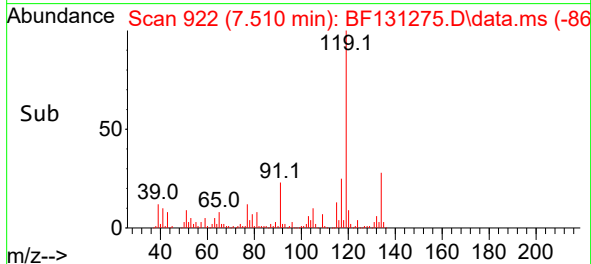
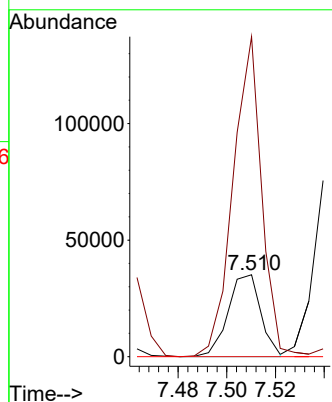
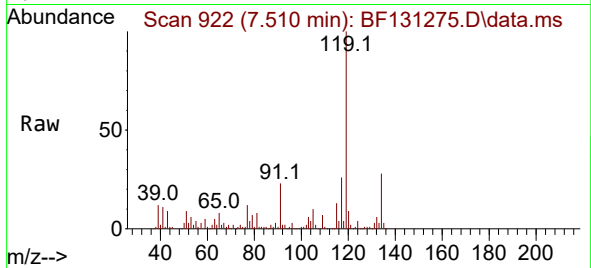




#18
Hexachloroethane
Concen: 15.305 ng
RT: 7.510 min Scan# 919
Delta R.T. 0.018 min
Lab File: BF131275.D
Acq: 16 Nov 2022 20:21

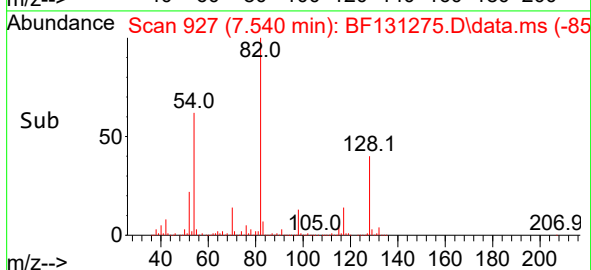
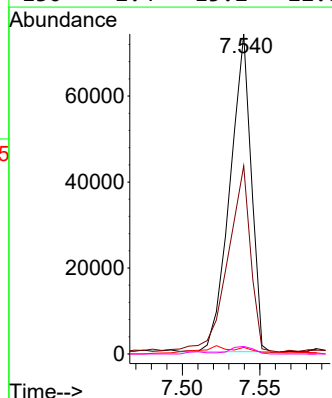
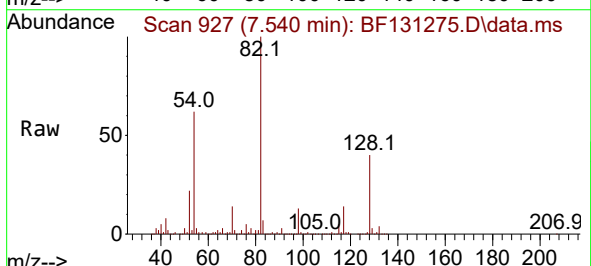
Instrument :
BNA_F
ClientSampleId :
MW-12

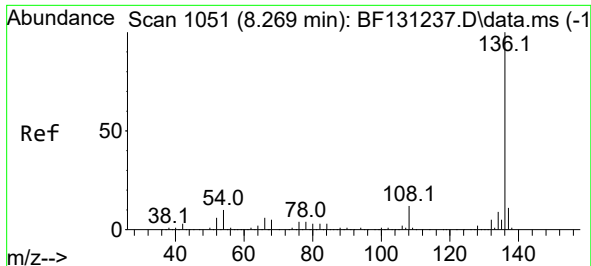
Tgt Ion:117 Resp: 32849
Ion Ratio Lower Upper
117 100
119 390.2 79.0 118.6#
201 0.0 80.9 121.3#



#19
n-Nitroso-di-n-propylamine
Concen: 17.412 ng
RT: 7.540 min Scan# 927
Delta R.T. 0.147 min
Lab File: BF131275.D
Acq: 16 Nov 2022 20:21

Tgt Ion: 70 Resp: 70543
Ion Ratio Lower Upper
70 100
42 58.8 58.3 87.5
101 2.1 7.2 10.8#
130 2.4 15.2 22.8#

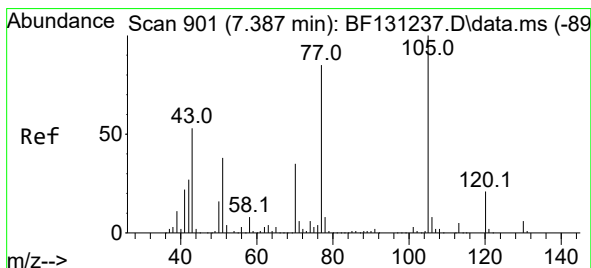
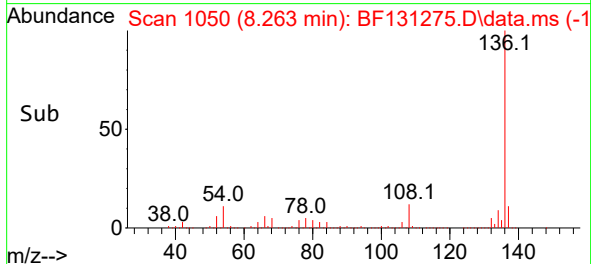
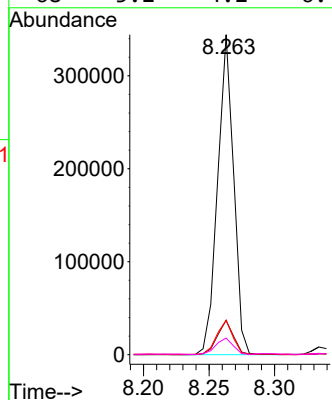
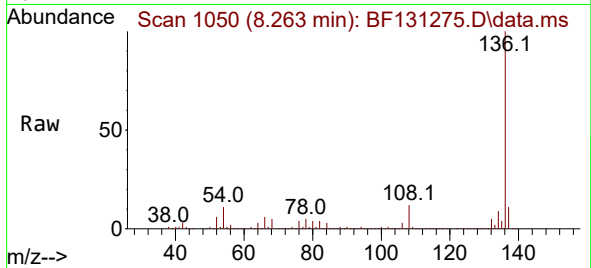




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.263 min Scan# 1050
Delta R.T. -0.006 min
Lab File: BF131275.D
Acq: 16 Nov 2022 20:21

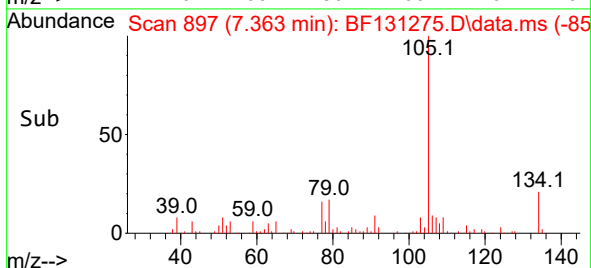
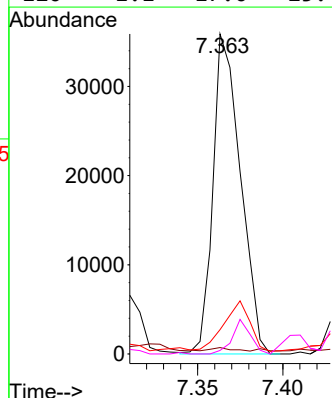
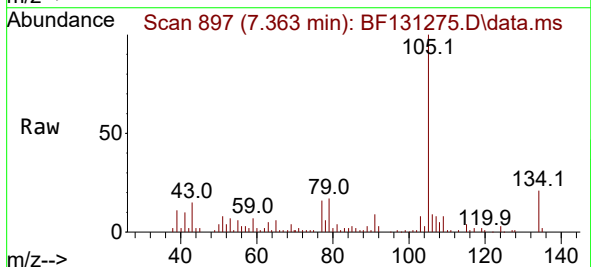
Instrument :
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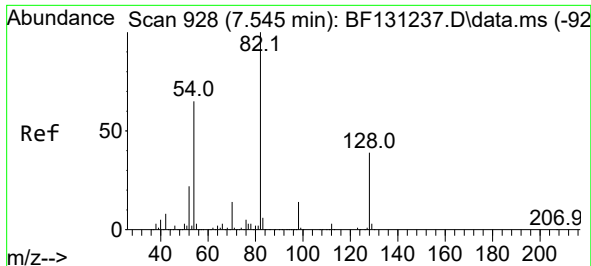
Tgt Ion:136 Resp: 291647
Ion Ratio Lower Upper
136 100
137 10.8 8.5 12.7
54 10.8 7.8 11.8
68 5.2 4.2 6.4



#22
Acetophenone
Concen: 5.290 ng
RT: 7.363 min Scan# 897
Delta R.T. -0.023 min
Lab File: BF131275.D
Acq: 16 Nov 2022 20:21

Tgt Ion:105 Resp: 40220
Ion Ratio Lower Upper
105 100
71 2.0 4.7 7.1#
51 7.6 30.2 45.2#
120 1.1 17.0 25.4#

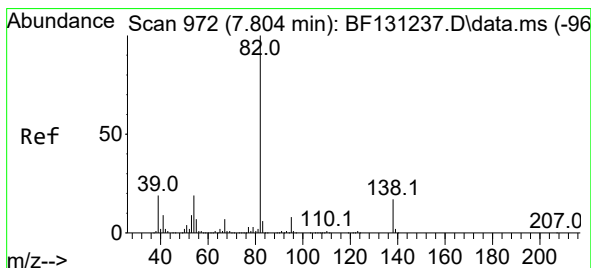
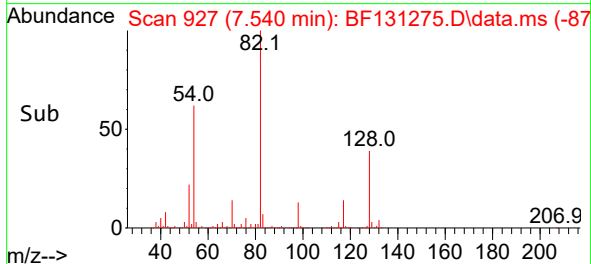
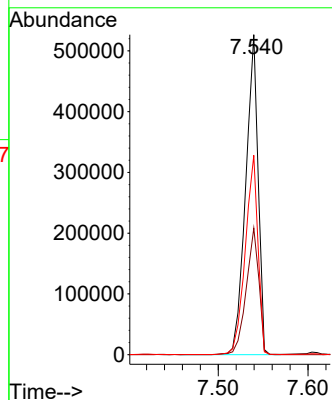
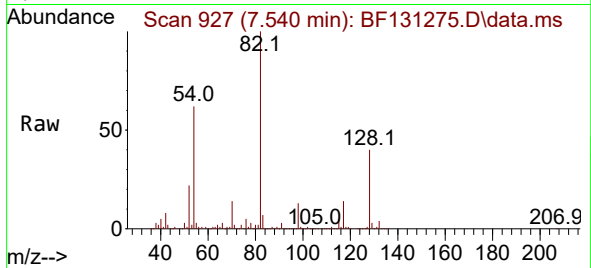




#23
Nitrobenzene-d5
Concen: 97.762 ng
RT: 7.540 min Scan# 91
Delta R.T. -0.005 min
Lab File: BF131275.D
Acq: 16 Nov 2022 20:21

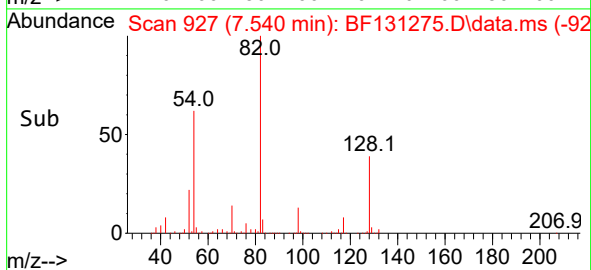
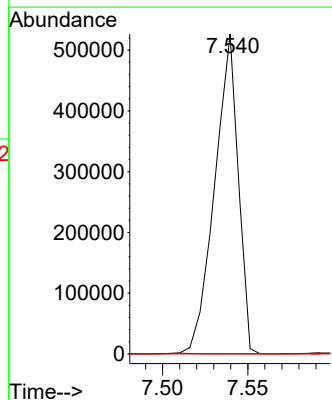
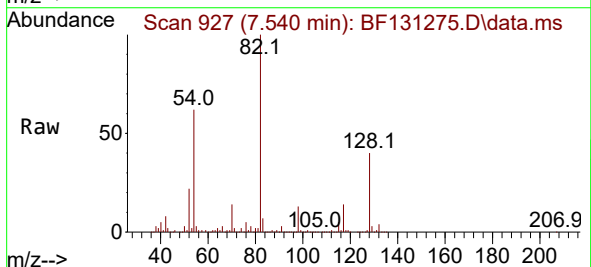
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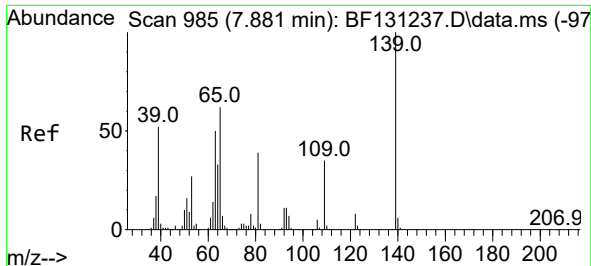
Tgt Ion: 82 Resp: 507967
Ion Ratio Lower Upper
82 100
128 39.5 31.1 46.7
54 62.3 51.8 77.6



#25
Isophorone
Concen: 48.613 ng
RT: 7.540 min Scan# 927
Delta R.T. -0.264 min
Lab File: BF131275.D
Acq: 16 Nov 2022 20:21

Tgt Ion: 82 Resp: 504622
Ion Ratio Lower Upper
82 100
95 0.1 6.2 9.2#
138 0.0 13.4 20.0#

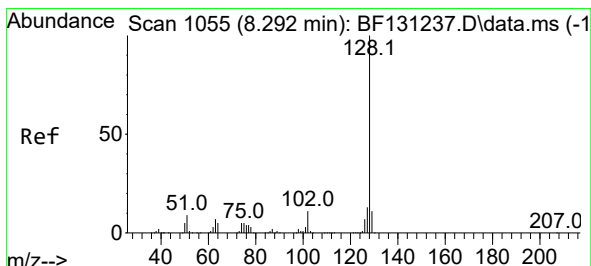
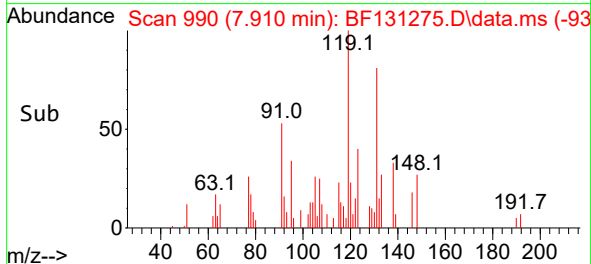
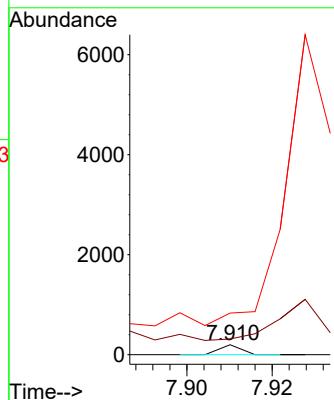
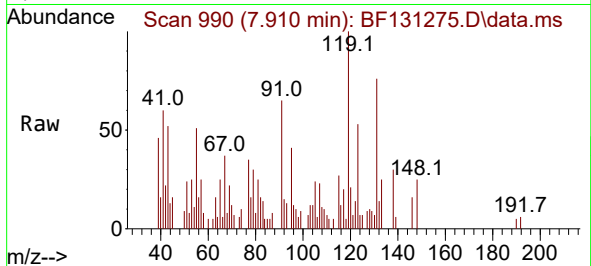




#26
2-Nitrophenol
Concen: 4.458 ng
RT: 7.910 min Scan# 91
Delta R.T. 0.029 min
Lab File: BF131275.D
Acq: 16 Nov 2022 20:21

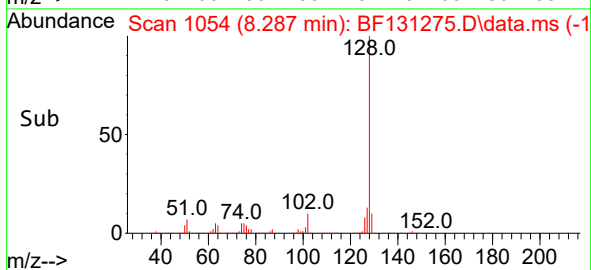
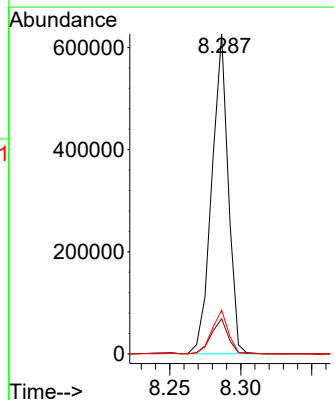
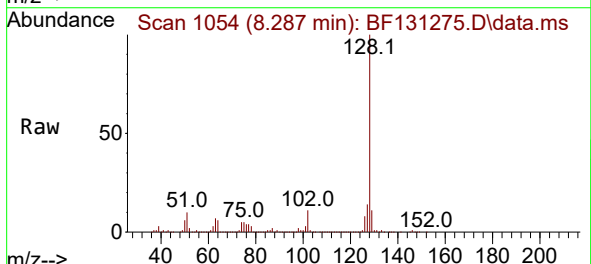
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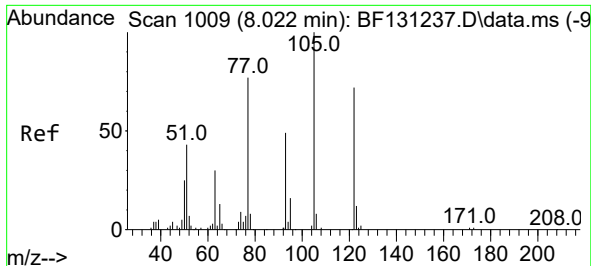
Tgt Ion:139 Resp: 70
Ion Ratio Lower Upper
139 100
109 158.3 28.0 42.0#
65 418.1 49.3 73.9#



#31
Naphthalene
Concen: 31.774 ng
RT: 8.287 min Scan# 1054
Delta R.T. -0.006 min
Lab File: BF131275.D
Acq: 16 Nov 2022 20:21

Tgt Ion:128 Resp: 502057
Ion Ratio Lower Upper
128 100
129 11.0 8.4 12.6
127 13.7 10.3 15.5

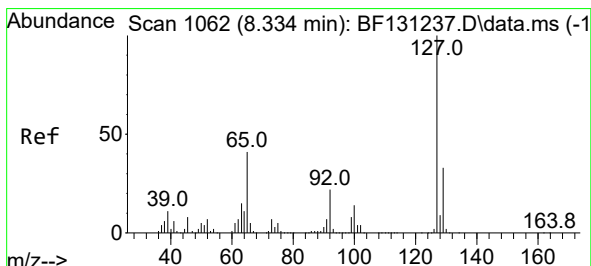
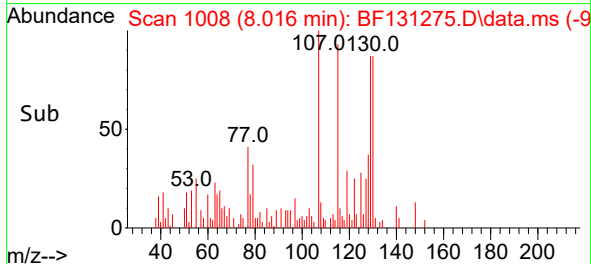
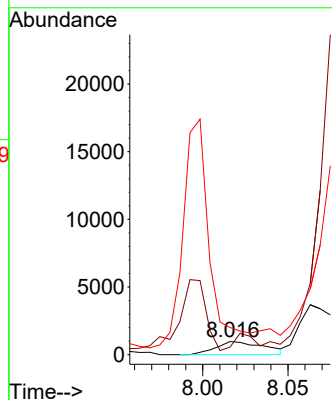
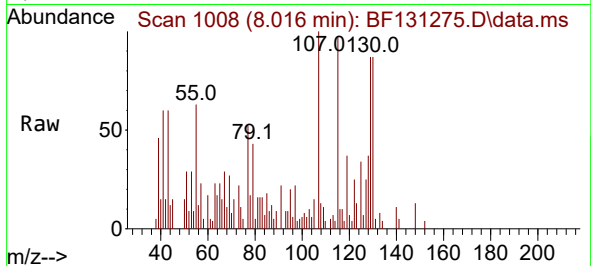




#32
Benzoic acid
Concen: 6.711 ng
RT: 8.016 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF131275.D
Acq: 16 Nov 2022 20:21

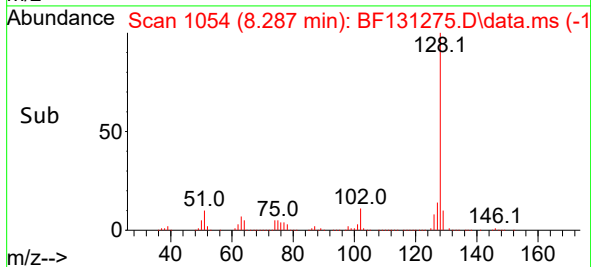
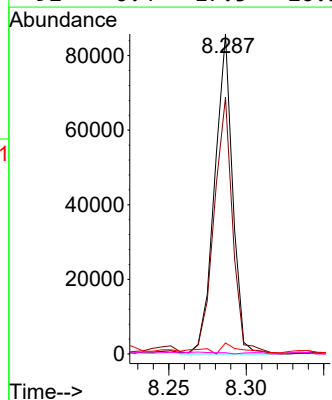
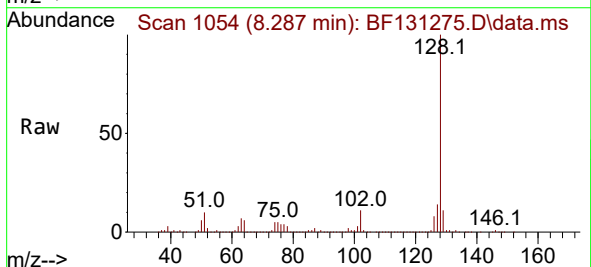
Instrument :
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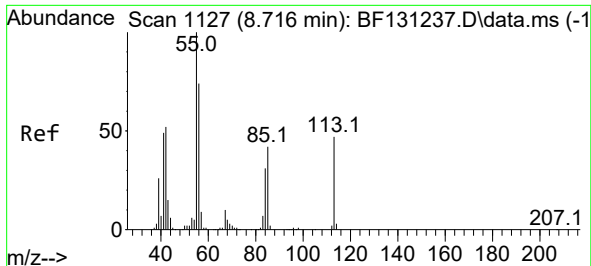
Tgt Ion:122 Resp: 1920
Ion Ratio Lower Upper
122 100
105 58.0 116.9 156.9#
77 207.3 86.9 126.9#



#33
4-Chloroaniline
Concen: 11.160 ng
RT: 8.287 min Scan# 1054
Delta R.T. -0.047 min
Lab File: BF131275.D
Acq: 16 Nov 2022 20:21

Tgt Ion:127 Resp: 69418
Ion Ratio Lower Upper
127 100
129 80.2 26.0 39.0#
65 3.5 32.6 48.8#
92 0.4 17.5 26.3#

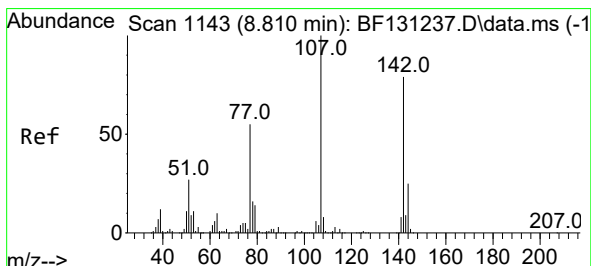
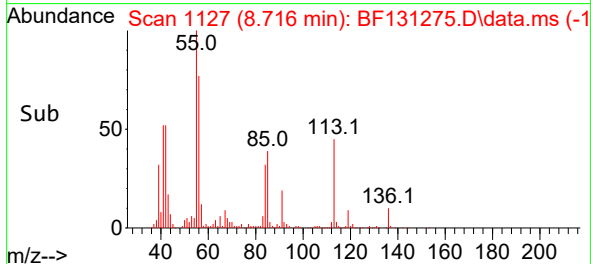
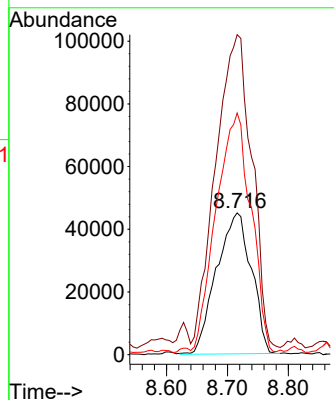
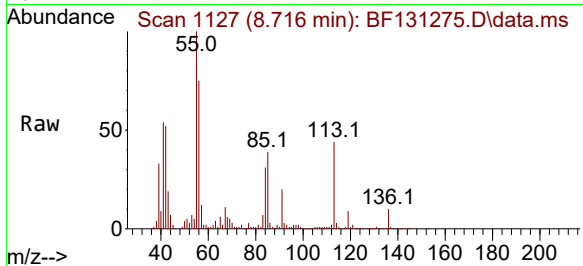




#35
Caprolactam
Concen: 131.692 ng
RT: 8.716 min Scan# 1127
Delta R.T. 0.000 min
Lab File: BF131275.D
Acq: 16 Nov 2022 20:21

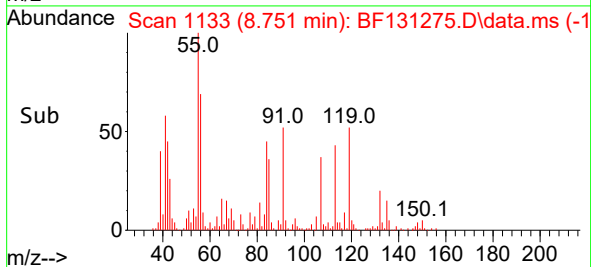
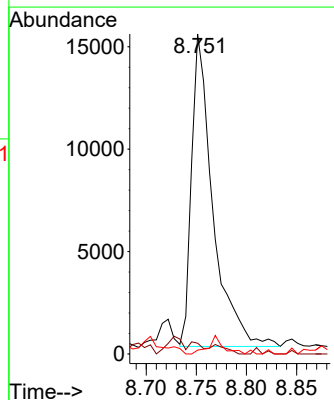
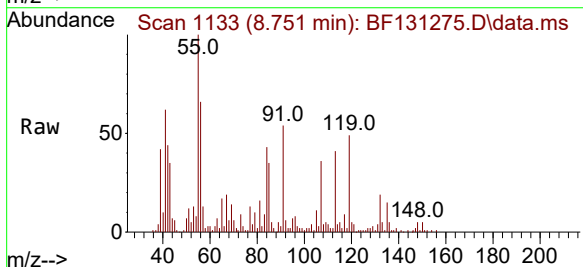
Instrument :
BNA_F
ClientSampleId :
MW-12

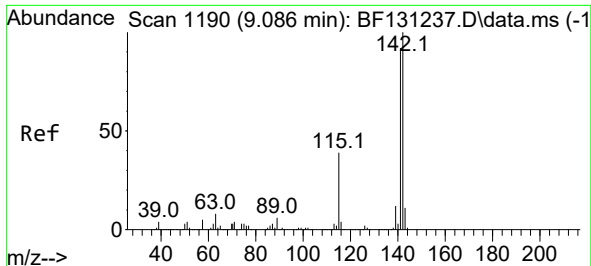
Tgt Ion:113 Resp: 178819
Ion Ratio Lower Upper
113 100
55 225.7 193.2 233.2
56 170.4 137.2 177.2



#36
4-Chloro-3-methylphenol
Concen: 4.650 ng
RT: 8.751 min Scan# 1133
Delta R.T. -0.059 min
Lab File: BF131275.D
Acq: 16 Nov 2022 20:21

Tgt Ion:107 Resp: 22489
Ion Ratio Lower Upper
107 100
144 3.3 20.2 30.2#
142 1.2 63.0 94.6#





#38

1-Methylnaphthalene

Concen: 5.072 ng

RT: 9.081 min Scan# 1189

Delta R.T. -0.006 min

Lab File: BF131275.D

Acq: 16 Nov 2022 20:21

Instrument :

BNA_F

ClientSampleId :

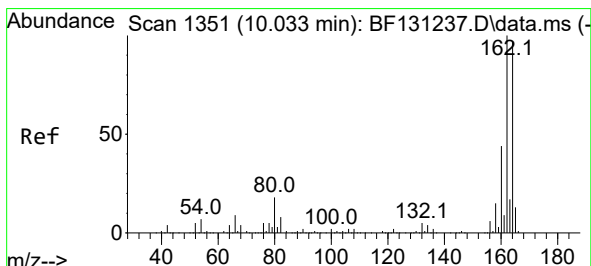
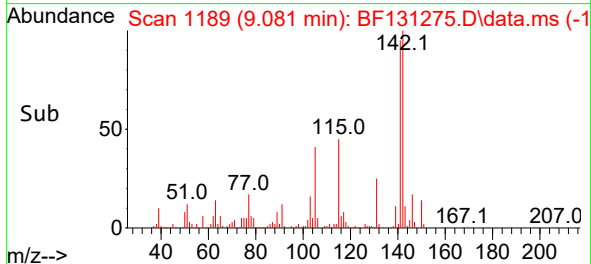
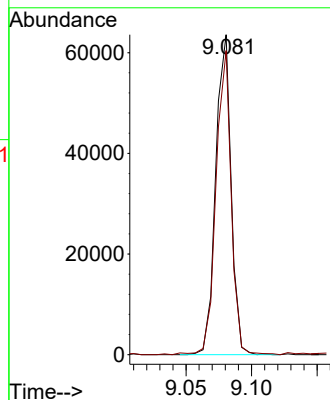
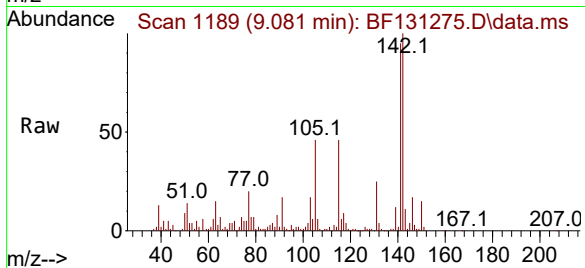
MW-12

Tgt Ion:142 Resp: 51760

Ion Ratio Lower Upper

142 100

141 95.0 73.4 110.2



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.028 min Scan# 1350

Delta R.T. -0.005 min

Lab File: BF131275.D

Acq: 16 Nov 2022 20:21

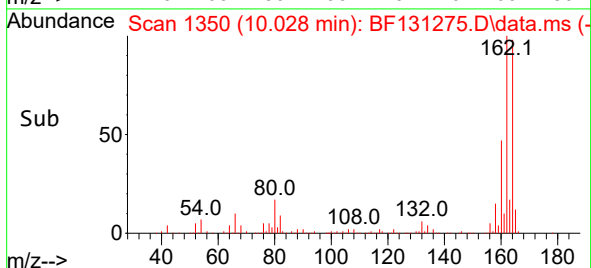
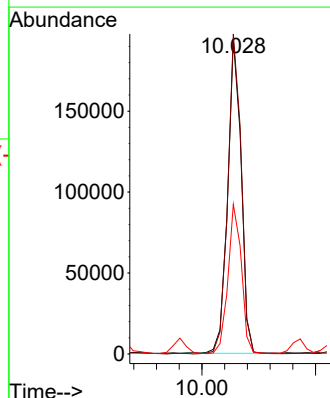
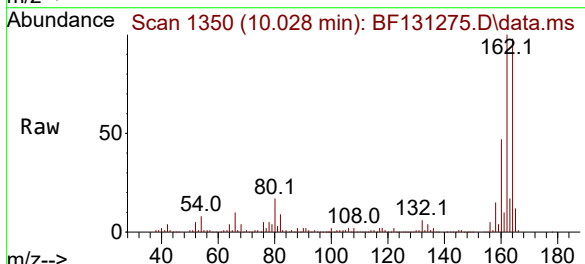
Tgt Ion:164 Resp: 159881

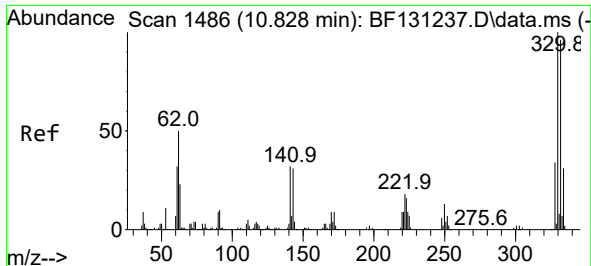
Ion Ratio Lower Upper

164 100

162 101.7 82.1 123.1

160 47.6 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 121.781 ng

RT: 10.822 min Scan# 1486

Delta R.T. -0.006 min

Lab File: BF131275.D

Acq: 16 Nov 2022 20:21

Instrument :

BNA_F

ClientSampleId :

MW-12

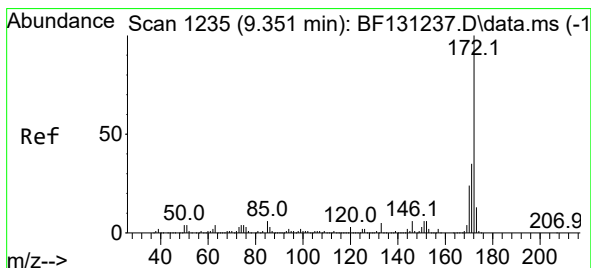
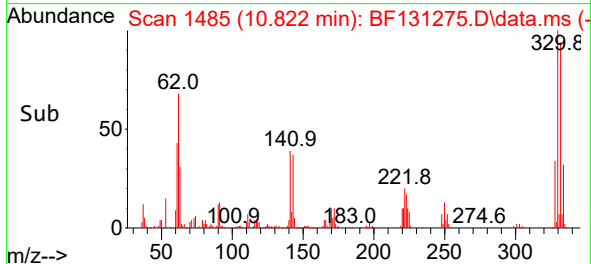
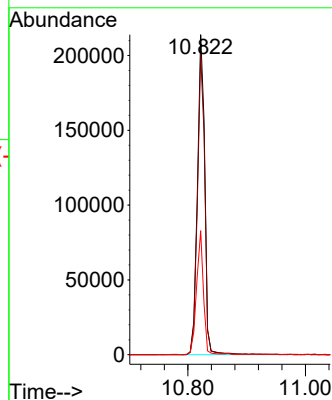
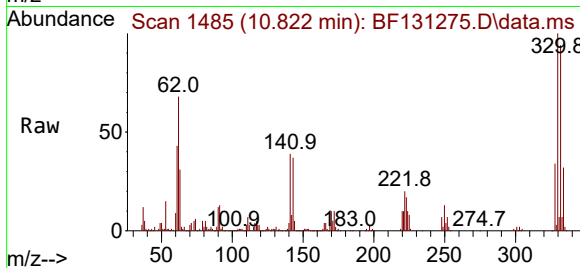
Tgt Ion:330 Resp: 185984

Ion Ratio Lower Upper

330 100

332 93.7 76.8 115.2

141 36.7 29.6 44.4



#45

2-Fluorobiphenyl

Concen: 83.162 ng

RT: 9.345 min Scan# 1234

Delta R.T. -0.006 min

Lab File: BF131275.D

Acq: 16 Nov 2022 20:21

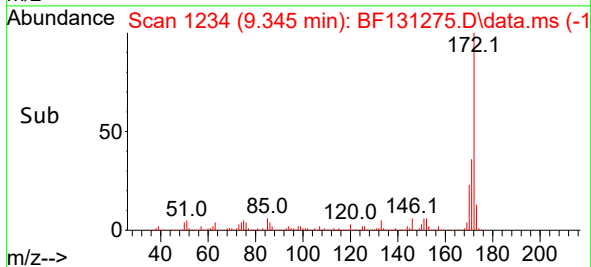
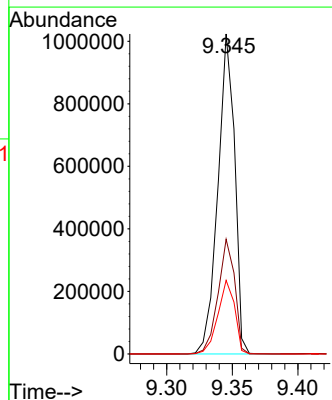
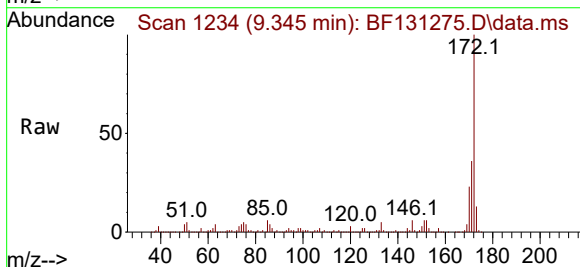
Tgt Ion:172 Resp: 908562

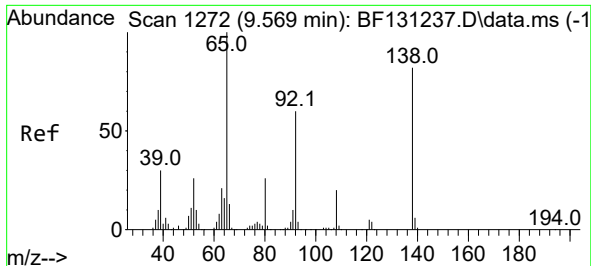
Ion Ratio Lower Upper

172 100

171 35.8 28.2 42.2

170 23.0 18.8 28.2

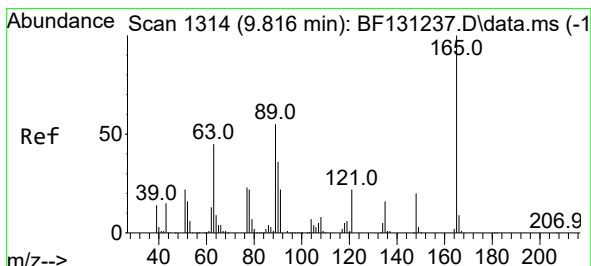
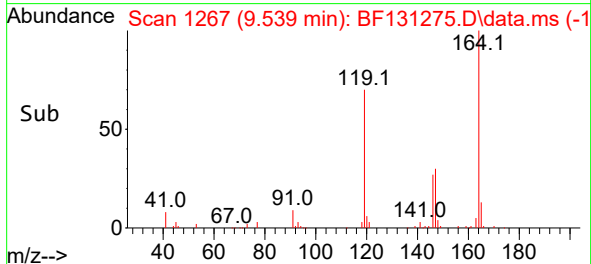
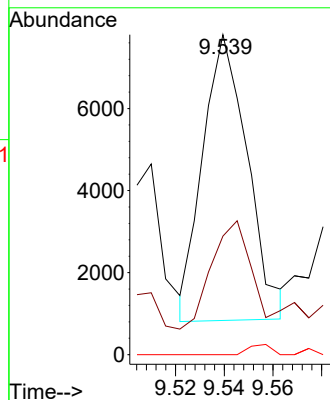
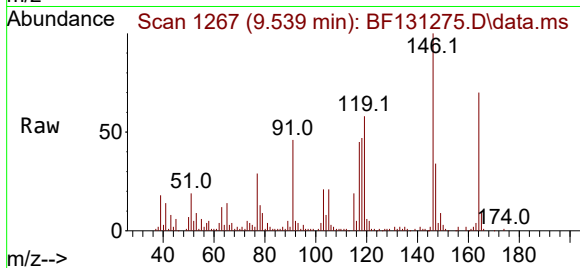




#48
2-Nitroaniline
Concen: 6.607 ng
RT: 9.539 min Scan# 11
Delta R.T. -0.030 min
Lab File: BF131275.D
Acq: 16 Nov 2022 20:21

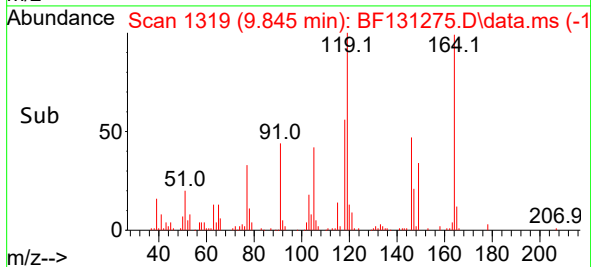
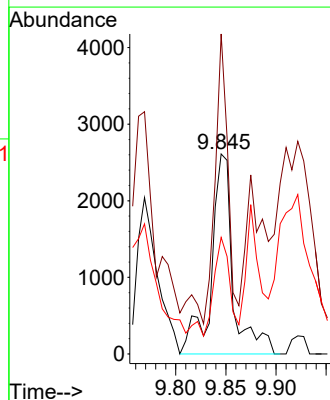
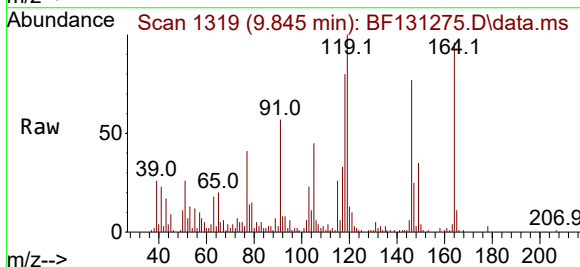
Instrument :
BNA_F
ClientSampleId :
MW-12

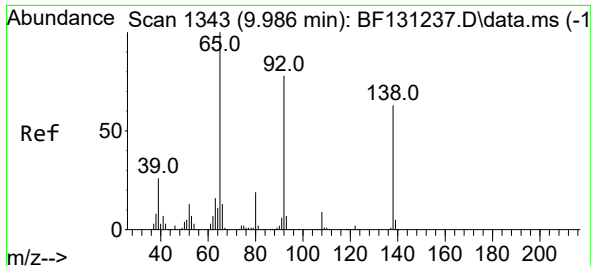
Tgt Ion: 65 Resp: 8899
Ion Ratio Lower Upper
65 100
92 37.1 48.2 72.2#
138 0.0 65.8 98.8#



#51
2,6-Dinitrotoluene
Concen: 4.601 ng
RT: 9.845 min Scan# 1319
Delta R.T. 0.029 min
Lab File: BF131275.D
Acq: 16 Nov 2022 20:21

Tgt Ion: 165 Resp: 3904
Ion Ratio Lower Upper
165 100
63 160.0 49.8 74.6#
89 58.3 44.5 66.7

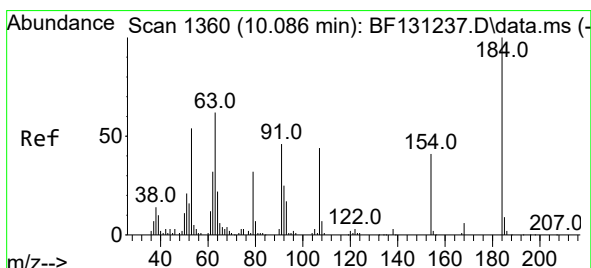
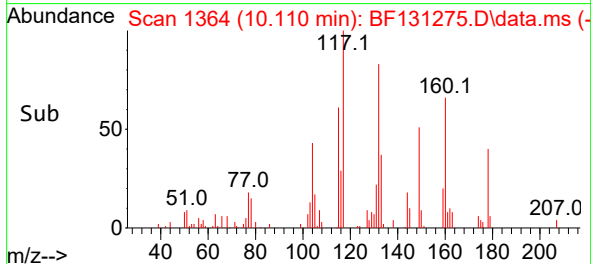
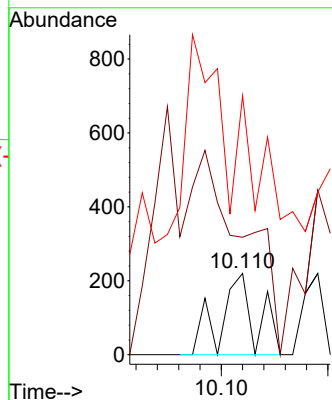
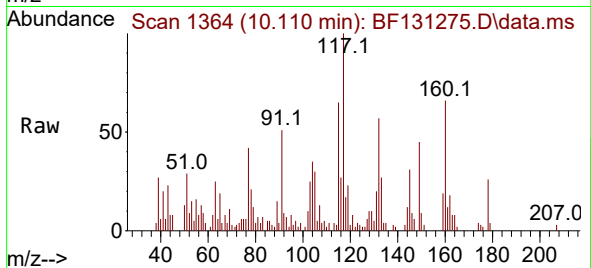




#53
3-Nitroaniline
Concen: 2.826 ng
RT: 10.110 min Scan# 1171
Delta R.T. 0.124 min
Lab File: BF131275.D
Acq: 16 Nov 2022 20:21

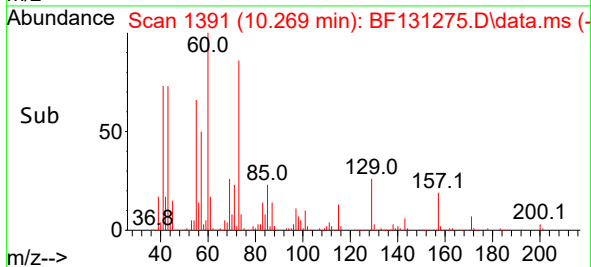
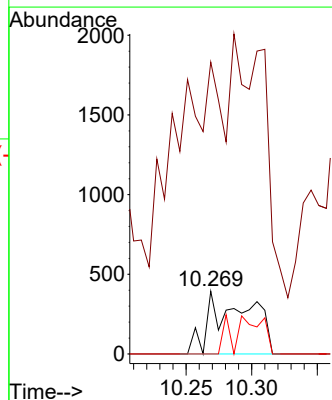
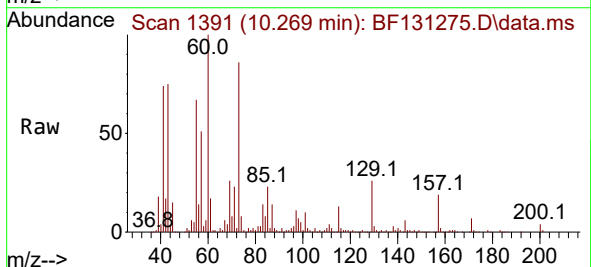
Instrument :
BNA_F
ClientSampleId :
MW-12

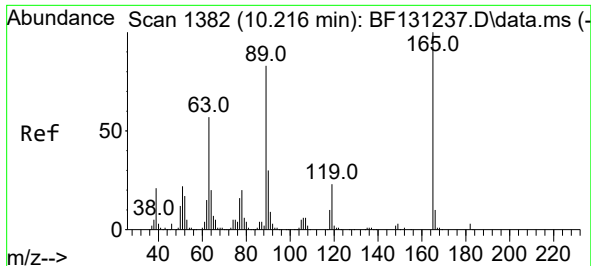
Tgt Ion:138 Resp: 254
Ion Ratio Lower Upper
138 100
108 144.5 11.4 17.2#
92 318.6 98.6 148.0#



#54
2,4-Dinitrophenol
Concen: 6.654 ng
RT: 10.269 min Scan# 1391
Delta R.T. 0.183 min
Lab File: BF131275.D
Acq: 16 Nov 2022 20:21

Tgt Ion:184 Resp: 849
Ion Ratio Lower Upper
184 100
63 464.7 52.5 78.7#
154 0.0 54.0 81.0#

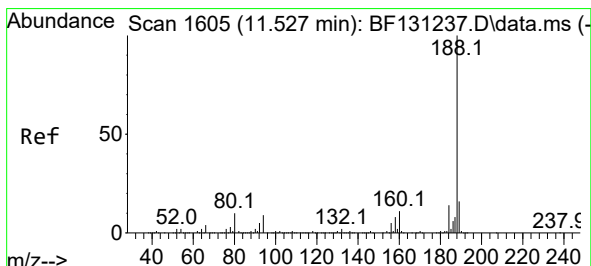
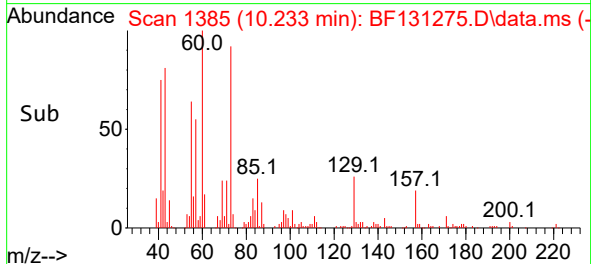
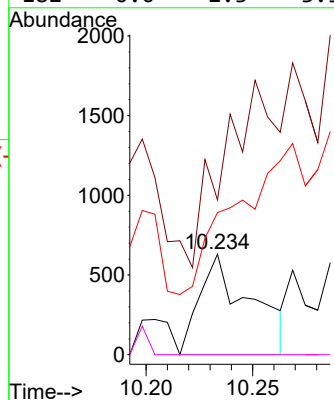
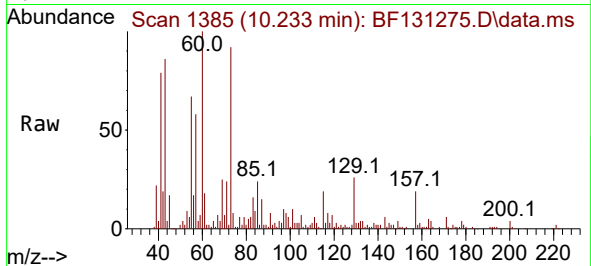




#57
2,4-Dinitrotoluene
Concen: 4.578 ng
RT: 10.233 min Scan# 1385
Delta R.T. 0.018 min
Lab File: BF131275.D
Acq: 16 Nov 2022 20:21

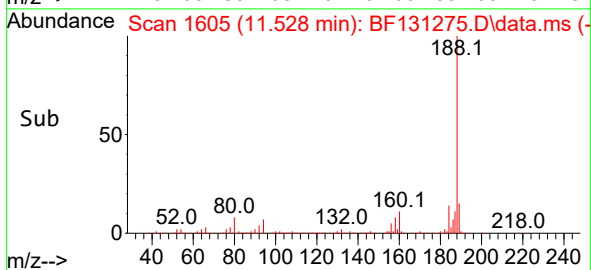
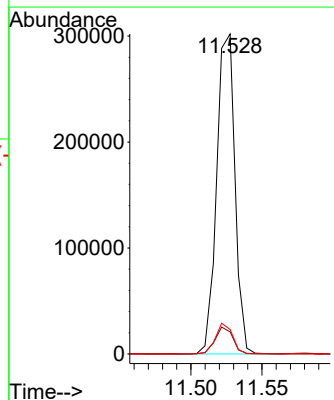
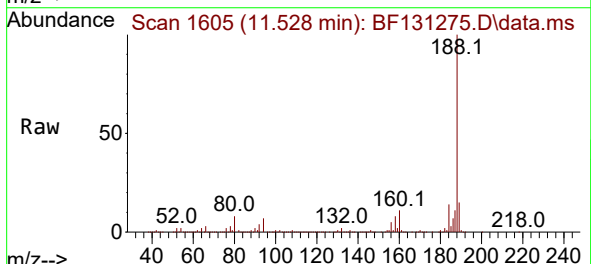
Instrument :
BNA_F
ClientSampleId :
MW-12

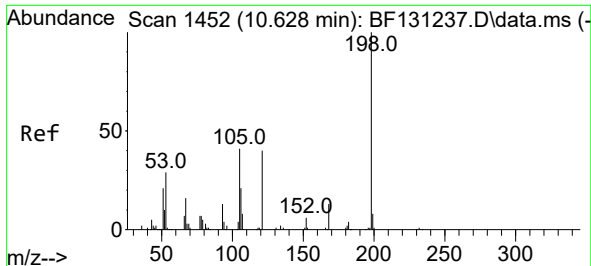
Tgt Ion:165 Resp: 1041
Ion Ratio Lower Upper
165 100
63 153.9 46.0 69.0#
89 141.4 66.2 99.4#
182 0.0 2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.528 min Scan# 1605
Delta R.T. 0.000 min
Lab File: BF131275.D
Acq: 16 Nov 2022 20:21

Tgt Ion:188 Resp: 270174
Ion Ratio Lower Upper
188 100
94 6.9 6.8 10.2
80 7.6 8.0 12.0#

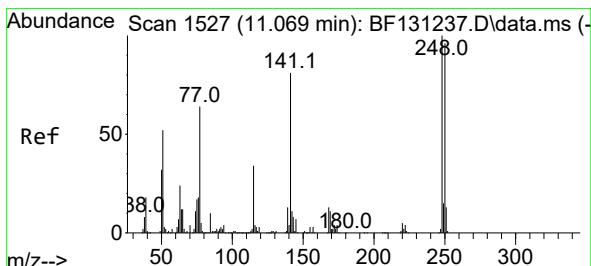
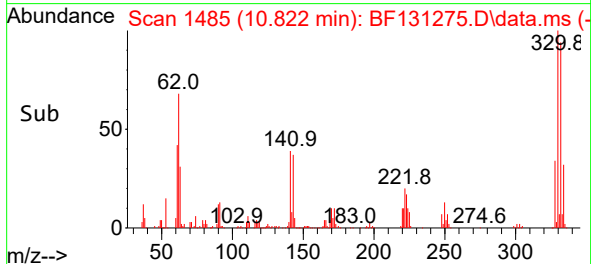
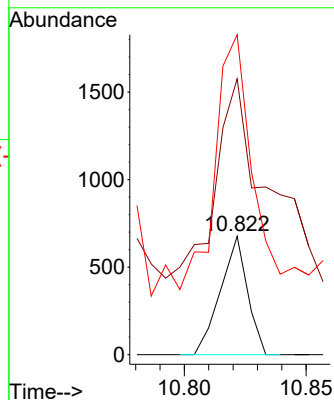
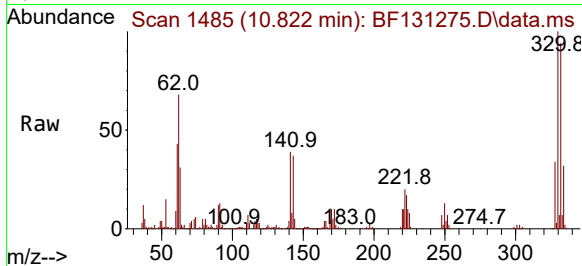




#65
4,6-Dinitro-2-methylphenol
Concen: 8.375 ng
RT: 10.822 min Scan# 1452
Delta R.T. 0.194 min
Lab File: BF131275.D
Acq: 16 Nov 2022 20:21

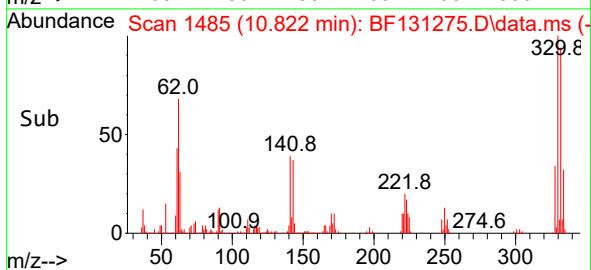
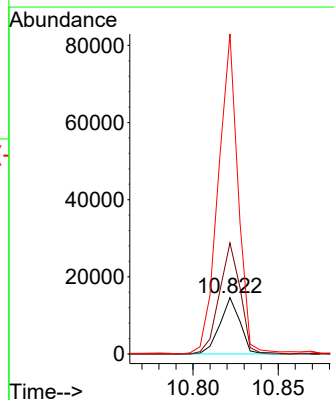
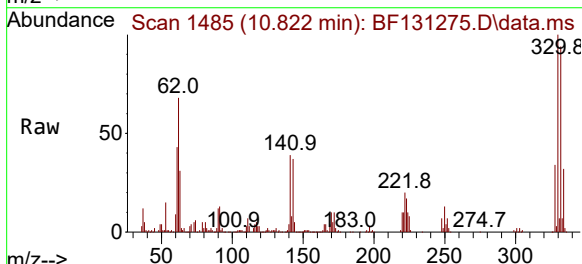
Instrument :
BNA_F
ClientSampleId :
MW-12

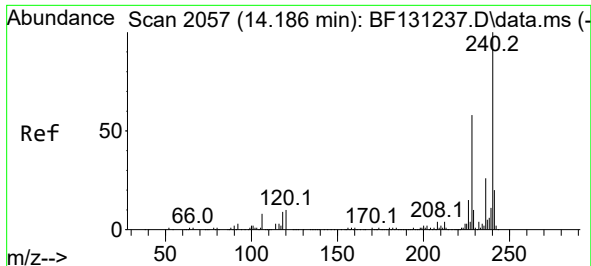
Tgt Ion:198 Resp: 523
Ion Ratio Lower Upper
198 100
51 233.1 29.4 69.4#
105 270.4 22.2 62.2#



#67
4-Bromophenyl-phenylether
Concen: 3.781 ng
RT: 10.822 min Scan# 1485
Delta R.T. -0.247 min
Lab File: BF131275.D
Acq: 16 Nov 2022 20:21

Tgt Ion:248 Resp: 11993
Ion Ratio Lower Upper
248 100
250 197.0 76.6 114.8#
141 567.7 64.7 97.1#

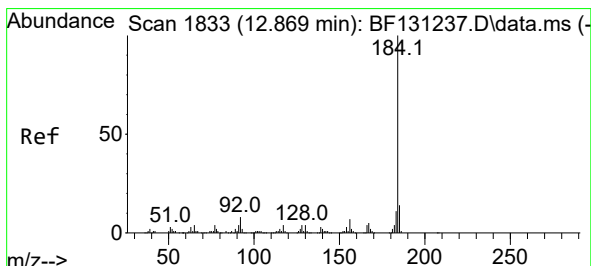
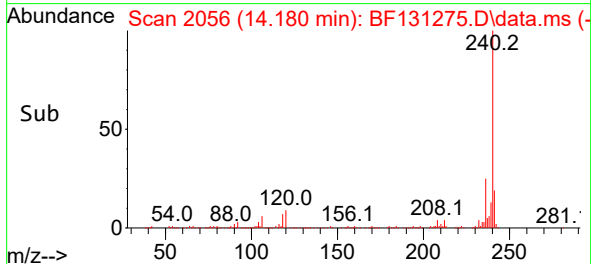
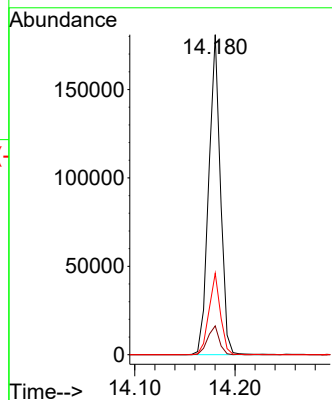
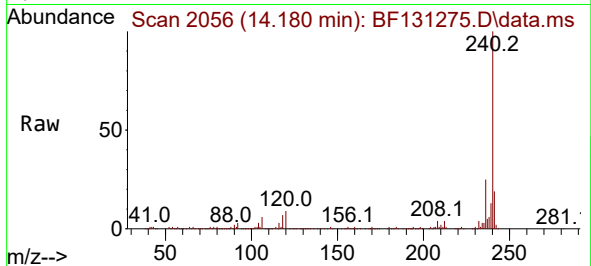




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.180 min Scan# 2057
Delta R.T. -0.006 min
Lab File: BF131275.D
Acq: 16 Nov 2022 20:21

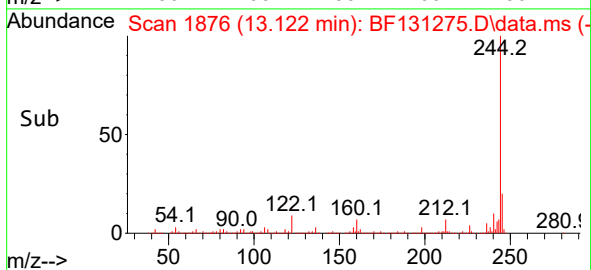
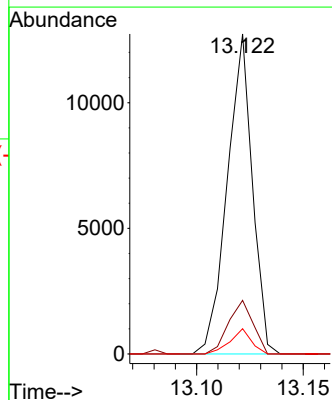
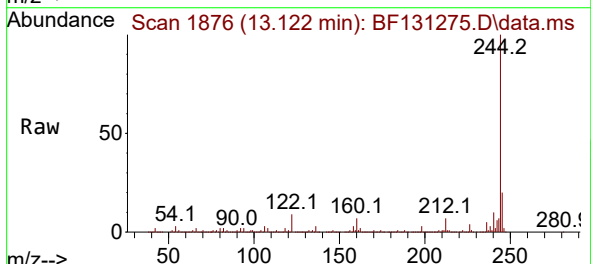
Instrument :
BNA_F
ClientSampleId :
MW-12

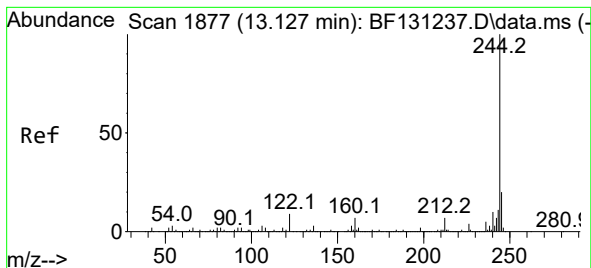
Tgt Ion:240 Resp: 146932
Ion Ratio Lower Upper
240 100
120 9.0 7.8 11.6
236 25.4 20.6 31.0



#77
Benzidine
Concen: 3.310 ng
RT: 13.122 min Scan# 1876
Delta R.T. 0.253 min
Lab File: BF131275.D
Acq: 16 Nov 2022 20:21

Tgt Ion:184 Resp: 10423
Ion Ratio Lower Upper
184 100
185 16.8 11.4 17.2
183 7.9 9.0 13.4#





#79

Terphenyl-d14

Concen: 88.384 ng

RT: 13.122 min Scan# 1877

Delta R.T. -0.005 min

Lab File: BF131275.D

Acq: 16 Nov 2022 20:21

Instrument :

BNA_F

ClientSampleId :

MW-12

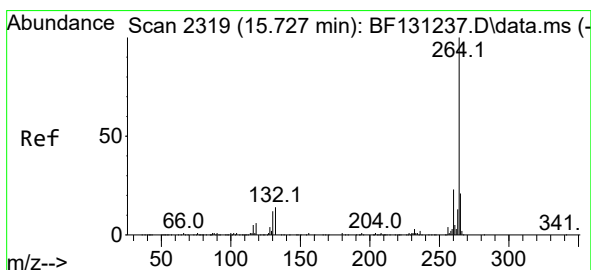
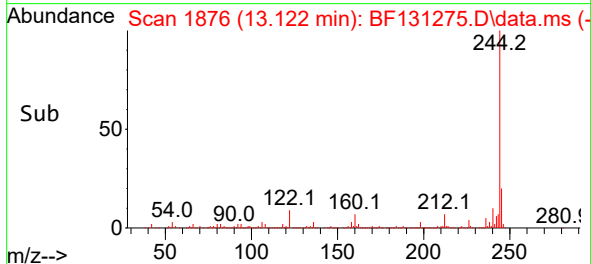
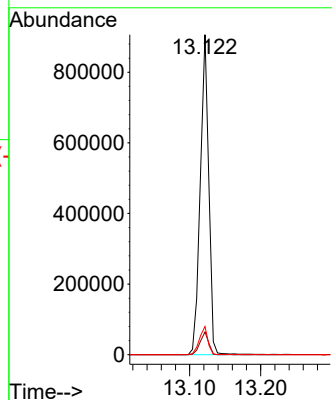
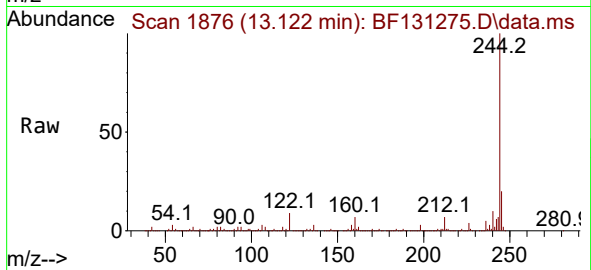
Tgt Ion:244 Resp: 756227

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.6

122 8.8 7.4 11.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.727 min Scan# 2319

Delta R.T. 0.000 min

Lab File: BF131275.D

Acq: 16 Nov 2022 20:21

Tgt Ion:264 Resp: 175864

Ion Ratio Lower Upper

264 100

260 22.9 18.6 27.8

265 22.2 16.6 24.8

