

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022624\
 Data File : BF137386.D
 Acq On : 26 Feb 2024 15:36
 Operator : CG\JU
 Sample : P1538-05
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 20241100-COMPOSITE-35N-N-4-05

Quant Time: Feb 26 16:07:36 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Feb 24 04:23:49 2024
 Response via : Initial Calibration

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

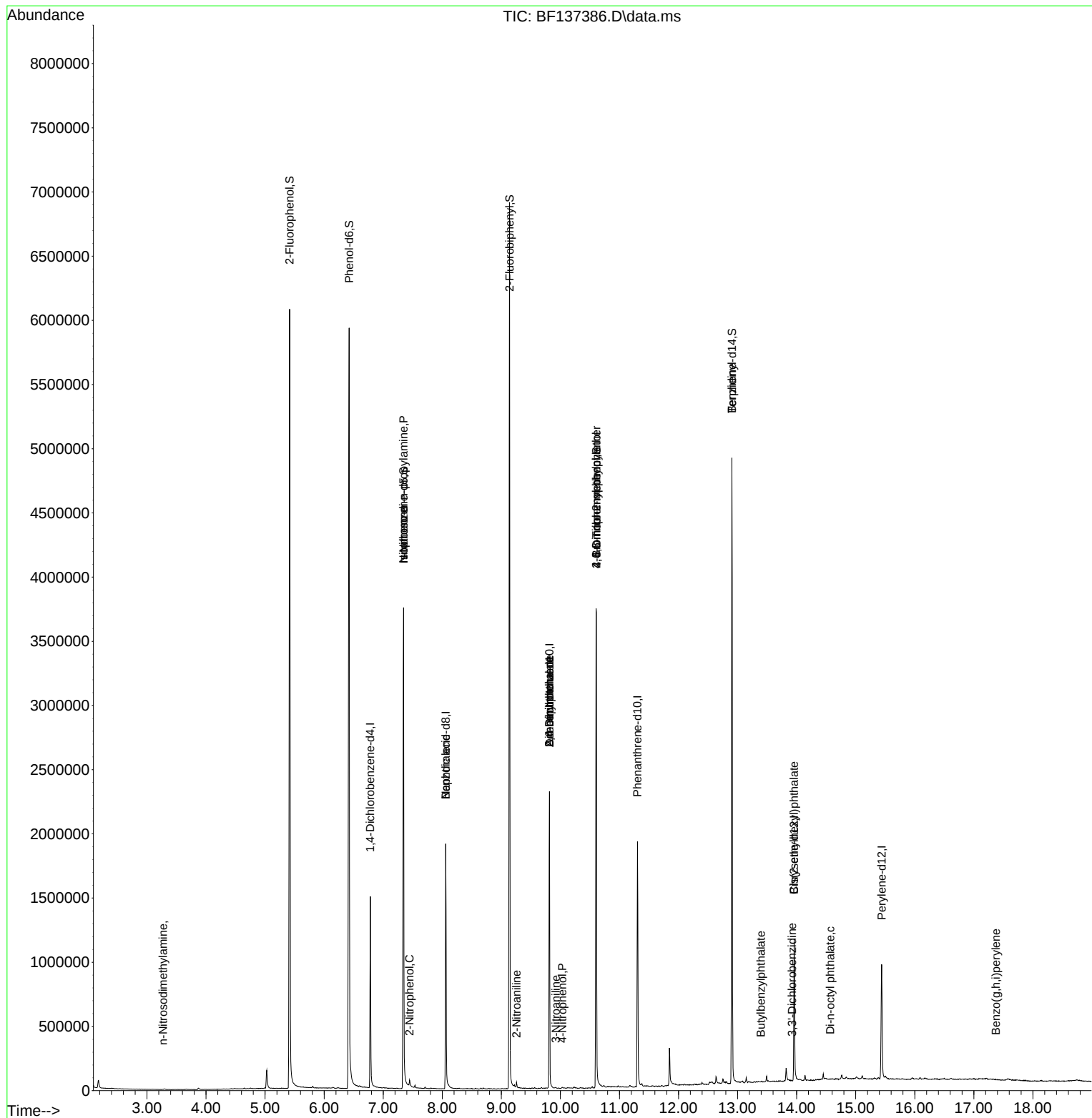
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	206991	20.000	ng	-0.02
21) Naphthalene-d8	8.057	136	835499	20.000	ng	-0.02
39) Acenaphthene-d10	9.816	164	446205	20.000	ng	-0.02
64) Phenanthrene-d10	11.304	188	688730	20.000	ng	-0.02
76) Chrysene-d12	13.957	240	385562	20.000	ng	-0.02
86) Perylene-d12	15.439	264	416312	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	1759333	131.151	ng	-0.01
7) Phenol-d6	6.422	99	2410232	122.141	ng	-0.02
23) Nitrobenzene-d5	7.346	82	1361534	81.357	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	484503	124.693	ng	-0.02
45) 2-Fluorobiphenyl	9.140	172	2060062	71.877	ng	-0.02
79) Terphenyl-d14	12.904	244	1707957	61.959	ng	-0.02
Target Compounds					Qvalue	
4) n-Nitrosodimethylamine	3.269	42	292	5.144	ng	# 1
19) n-Nitroso-di-n-propyla...	7.346	70	182215	14.985	ng	# 79
25) Isophorone	7.346	82	1361534	39.341	ng	# 69
26) 2-Nitrophenol	7.446	139	403	2.961	ng	# 33
32) Benzoic acid	8.057	122	164	6.969	ng	# 1
48) 2-Nitroaniline	9.257	65	590	4.315	ng	# 30
50) Dimethylphthalate	9.816	163	73702	2.390	ng	# 1
51) 2,6-Dinitrotoluene	9.816	165	58155	10.139	ng	# 26
53) 3-Nitroaniline	9.922	138	64	2.369	ng	# 1
56) 4-Nitrophenol	10.034	139	149	4.867	ng	# 1
57) 2,4-Dinitrotoluene	9.816	165	58155	8.905	ng	# 17
65) 4,6-Dinitro-2-methylph...	10.610	198	1063	4.792	ng	# 1
67) 4-Bromophenyl-phenylether	10.610	248	31962	4.317	ng	# 1
77) Benzidine	12.904	184	20858	9.645	ng	# 95
80) Butylbenzylphthalate	13.392	149	268	4.045	ng	# 86
82) 3,3'-Dichlorobenzidine	13.922	252	193	5.061	ng	# 27
84) Bis(2-ethylhexyl)phtha...	13.957	149	1963	4.416	ng	# 83
85) Di-n-octyl phthalate	14.569	149	139	6.011	ng	# 1
92) Benzo(g,h,i)perylene	17.374	276	2306	2.160	ng	# 90

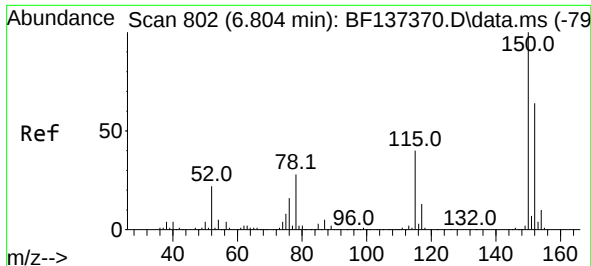
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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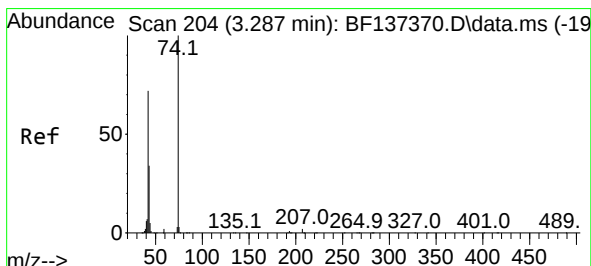
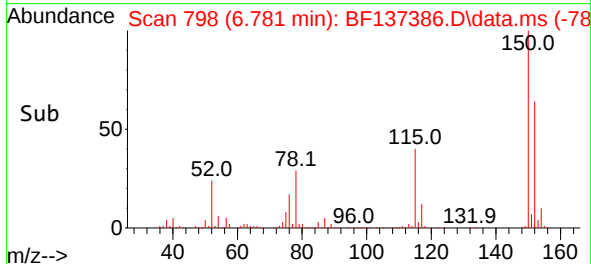
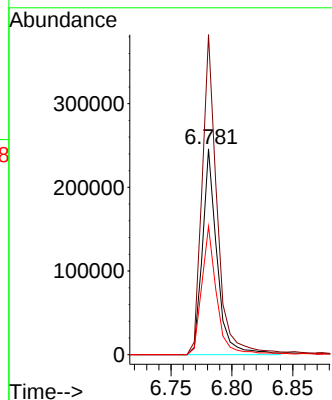
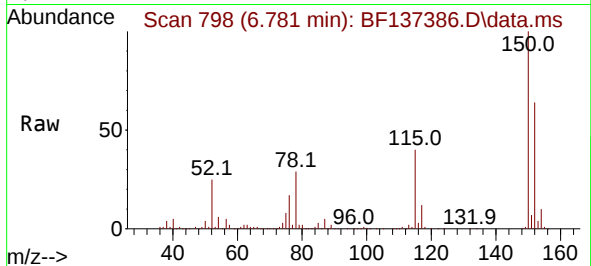




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.023 min
Lab File: BF137386.D
Acq: 26 Feb 2024 15:36

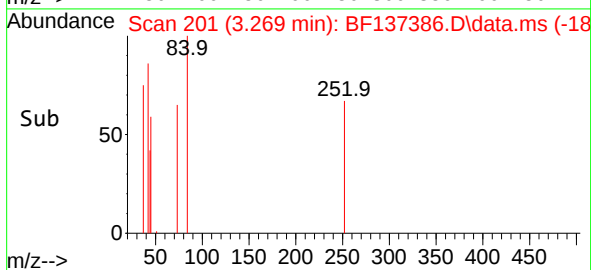
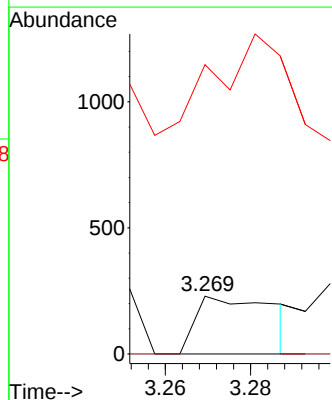
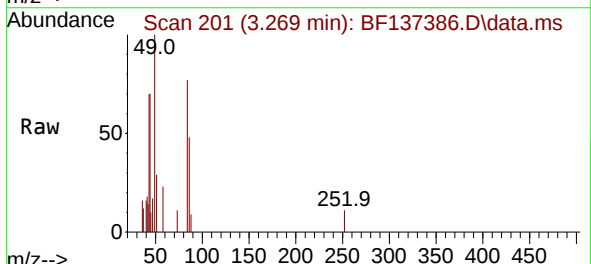
Instrument :
BNA_F
ClientSampleId :
20241100-COMPOSITE-35N-N-4-05

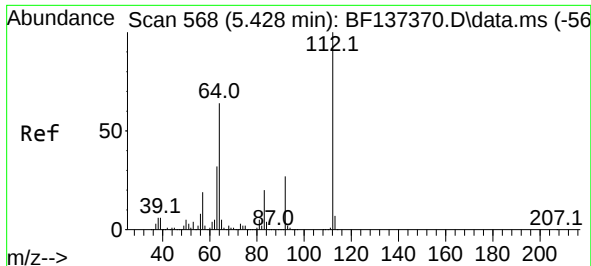
Tgt Ion:152 Resp: 206991
Ion Ratio Lower Upper
152 100
150 155.5 125.7 188.5
115 62.4 49.8 74.8



#4
n-Nitrosodimethylamine
Concen: 5.144 ng
RT: 3.269 min Scan# 201
Delta R.T. -0.018 min
Lab File: BF137386.D
Acq: 26 Feb 2024 15:36

Tgt Ion: 42 Resp: 292
Ion Ratio Lower Upper
42 100
74 0.0 110.8 166.2#
44 500.9 6.0 9.0#

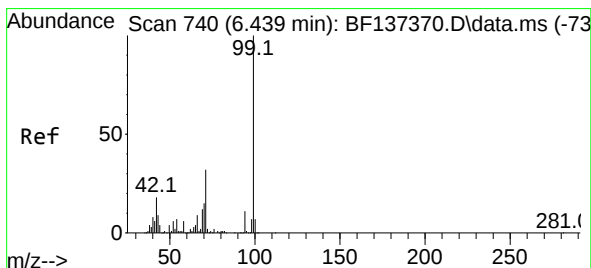
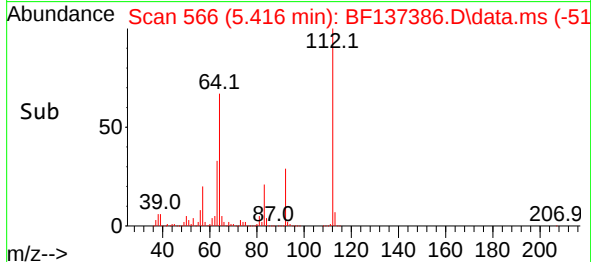
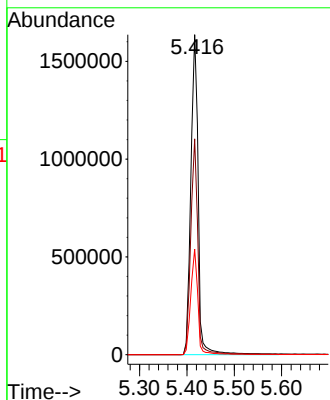
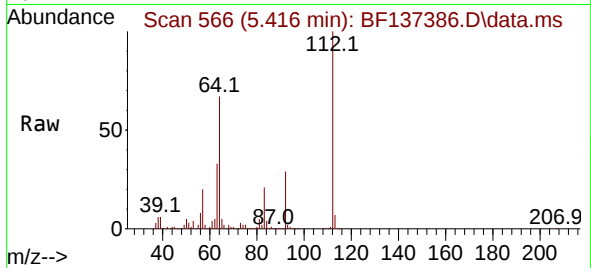




#5
2-Fluorophenol
Concen: 131.151 ng
RT: 5.416 min Scan# 50
Delta R.T. -0.012 min
Lab File: BF137386.D
Acq: 26 Feb 2024 15:36

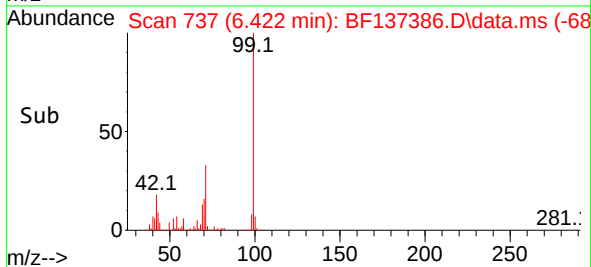
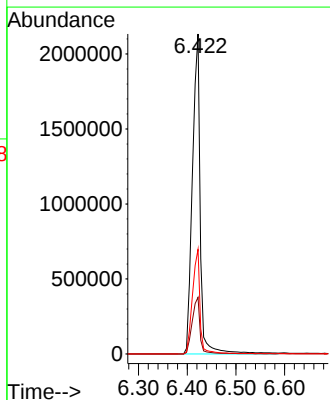
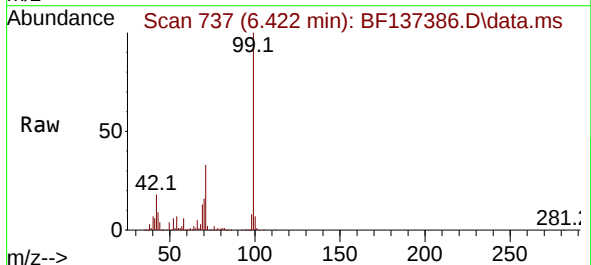
Instrument :
BNA_F
ClientSampleId :
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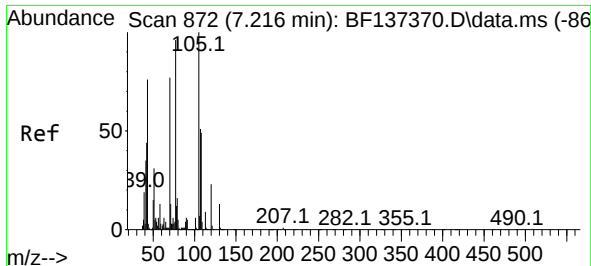
Tgt Ion:112 Resp: 1759333
Ion Ratio Lower Upper
112 100
64 67.5 51.0 76.6
63 33.0 25.7 38.5



#7
Phenol-d6
Concen: 122.141 ng
RT: 6.422 min Scan# 737
Delta R.T. -0.017 min
Lab File: BF137386.D
Acq: 26 Feb 2024 15:36

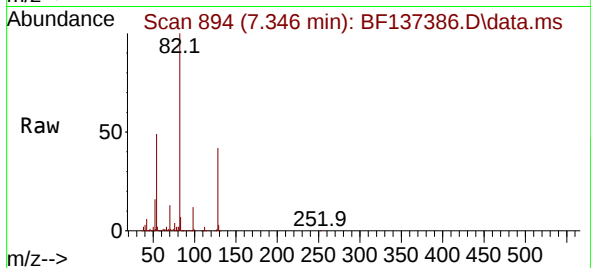
Tgt Ion: 99 Resp: 2410232
Ion Ratio Lower Upper
99 100
42 17.7 14.2 21.4
71 32.7 25.2 37.8



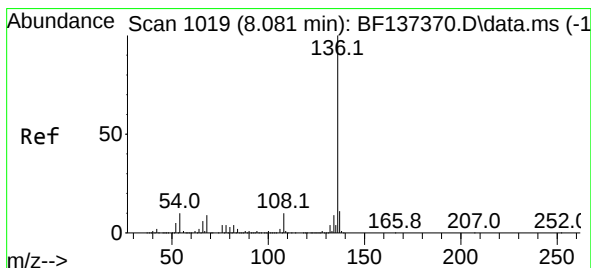
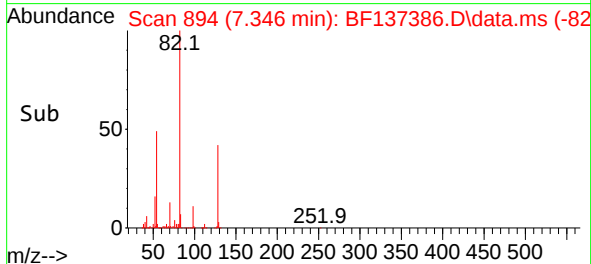
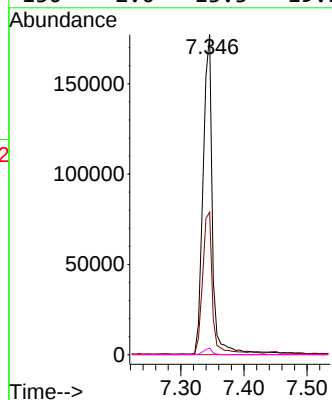


#19
n-Nitroso-di-n-propylamine
Concen: 14.985 ng
RT: 7.346 min Scan# 894
Delta R.T. 0.130 min
Lab File: BF137386.D
Acq: 26 Feb 2024 15:36

Instrument :
BNA_F
ClientSampleId :
20241100-COMPOSITE-35N-N-4-05

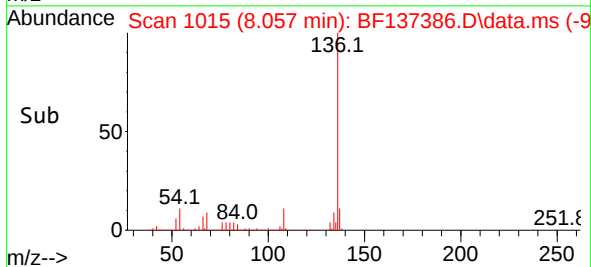
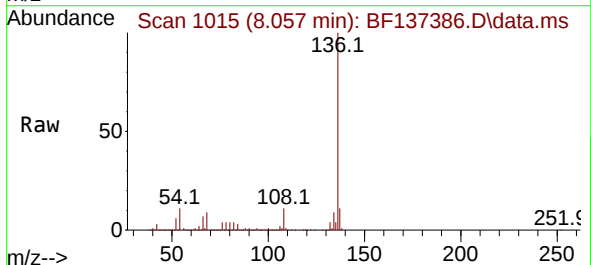
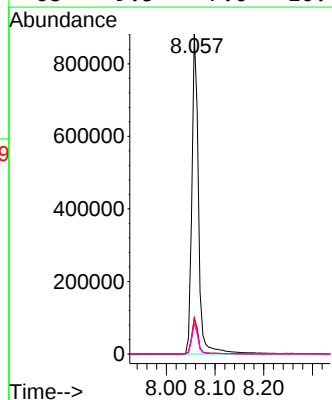


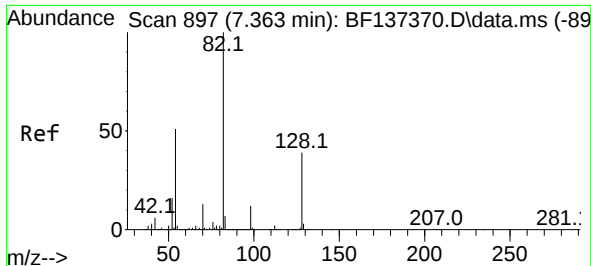
Tgt Ion: 70 Resp: 182215
Ion Ratio Lower Upper
70 100
42 44.5 45.3 67.9#
101 0.0 6.5 9.7#
130 2.0 13.3 19.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.024 min
Lab File: BF137386.D
Acq: 26 Feb 2024 15:36

Tgt Ion:136 Resp: 835499
Ion Ratio Lower Upper
136 100
137 11.3 9.0 13.4
54 11.1 7.8 11.6
68 9.5 7.0 10.4





#23

Nitrobenzene-d5

Concen: 81.357 ng

RT: 7.346 min Scan# 894

Delta R.T. -0.017 min

Lab File: BF137386.D

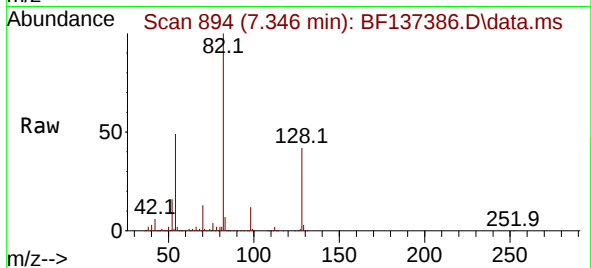
Acq: 26 Feb 2024 15:36

Instrument :

BNA_F

ClientSampleId :

20241100-COMPOSITE-35N-N-4-05



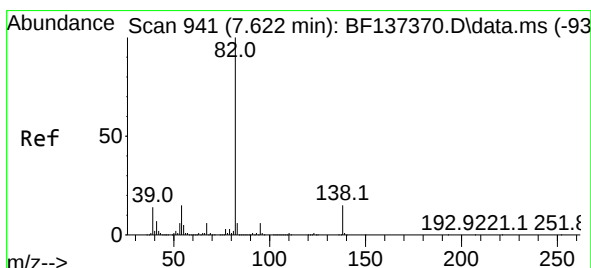
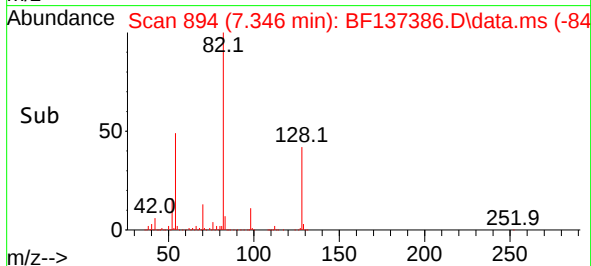
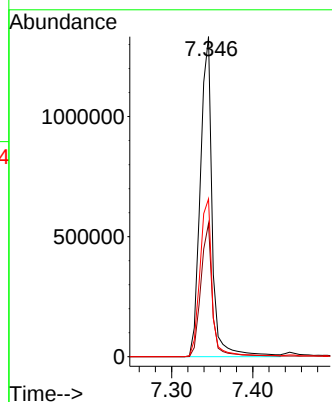
Tgt Ion: 82 Resp: 1361534

Ion Ratio Lower Upper

82 100

128 41.6 30.8 46.2

54 49.3 40.8 61.2



#25

Isophorone

Concen: 39.341 ng

RT: 7.346 min Scan# 894

Delta R.T. -0.276 min

Lab File: BF137386.D

Acq: 26 Feb 2024 15:36

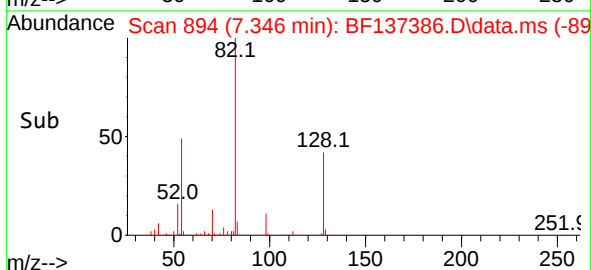
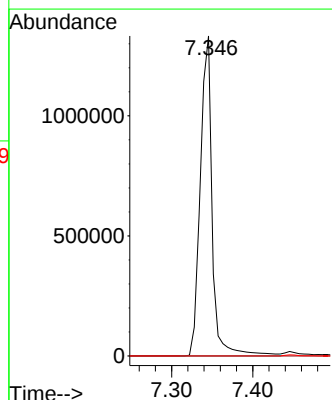
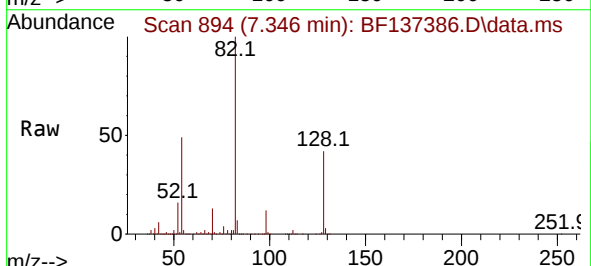
Tgt Ion: 82 Resp: 1361534

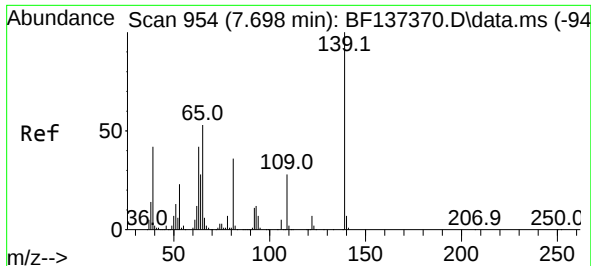
Ion Ratio Lower Upper

82 100

95 0.0 5.1 7.7#

138 0.0 12.2 18.4#

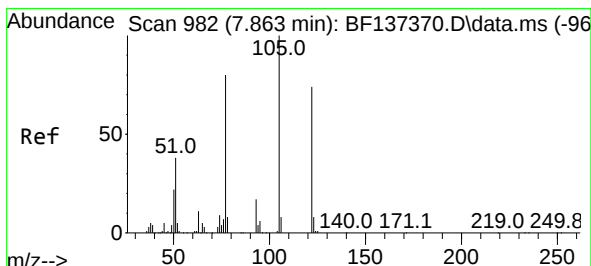
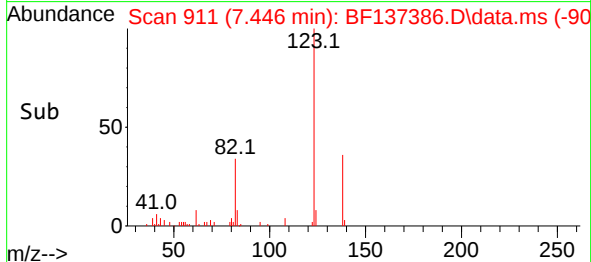
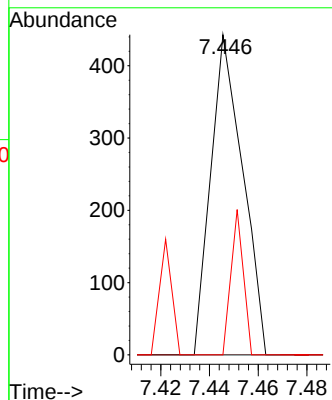
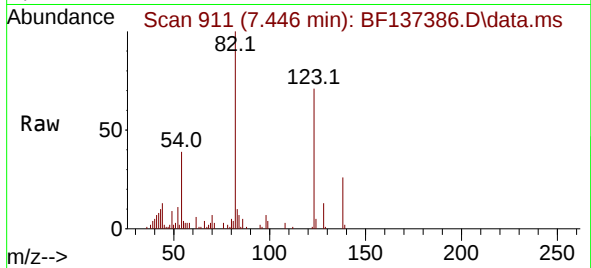




#26
2-Nitrophenol
Concen: 2.961 ng
RT: 7.446 min Scan# 911
Delta R.T. -0.253 min
Lab File: BF137386.D
Acq: 26 Feb 2024 15:36

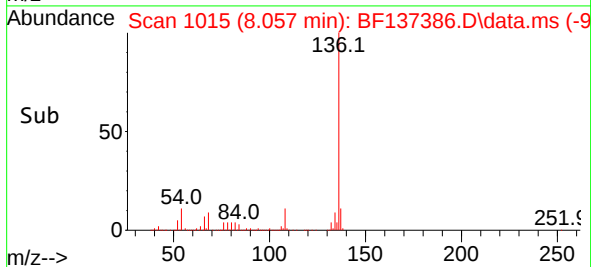
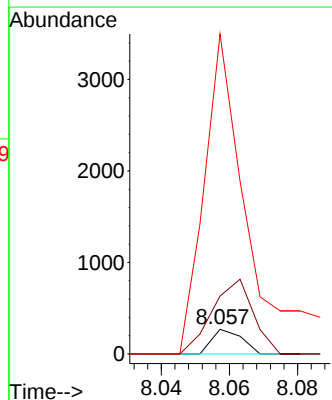
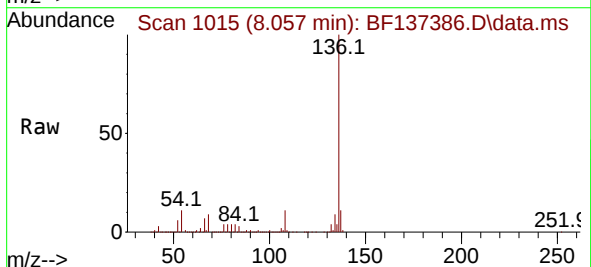
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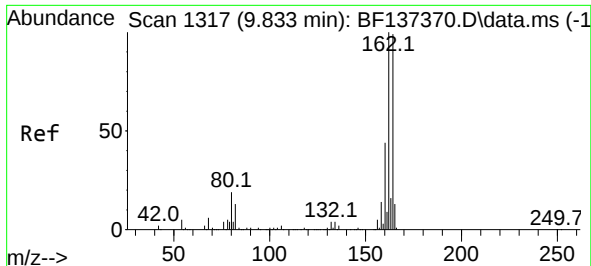
Tgt Ion:139 Resp: 403
Ion Ratio Lower Upper
139 100
109 0.0 22.5 33.7#
65 0.0 42.3 63.5#



#32
Benzoic acid
Concen: 6.969 ng
RT: 8.057 min Scan# 1015
Delta R.T. 0.194 min
Lab File: BF137386.D
Acq: 26 Feb 2024 15:36

Tgt Ion:122 Resp: 164
Ion Ratio Lower Upper
122 100
105 234.4 101.1 141.1#
77 1295.2 82.8 122.8#

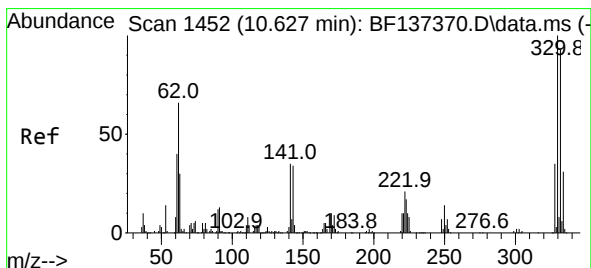
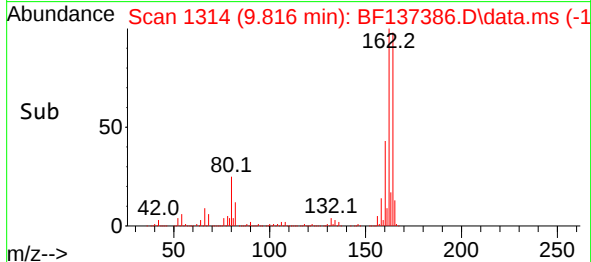
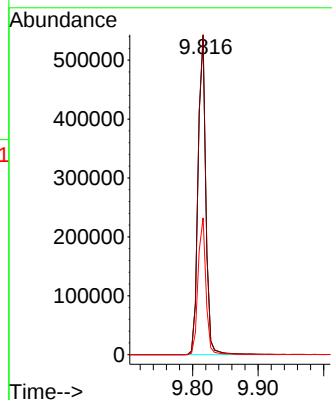
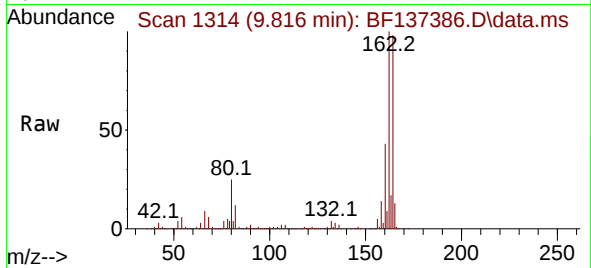




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF137386.D
Acq: 26 Feb 2024 15:36

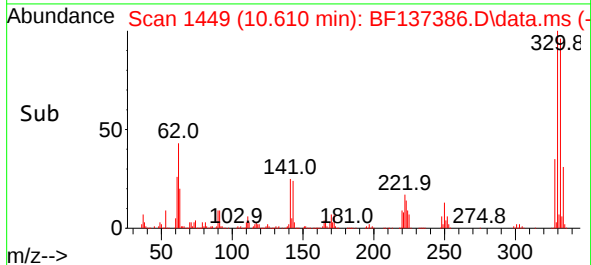
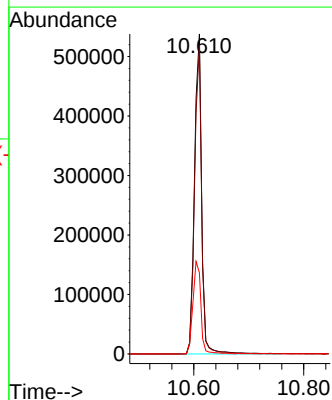
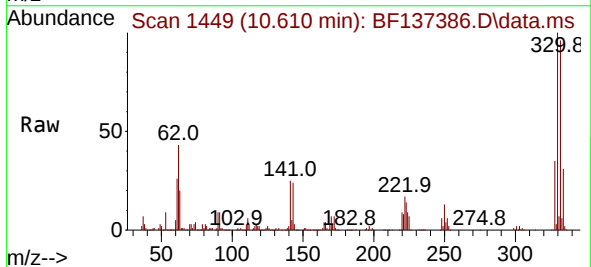
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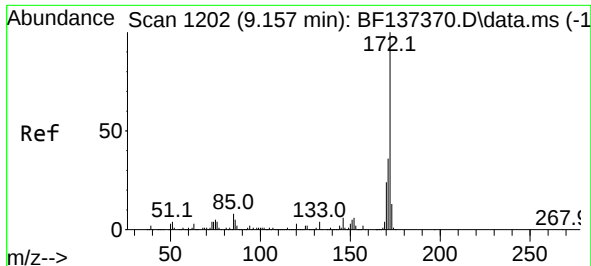
Tgt Ion:164 Resp: 446205
Ion Ratio Lower Upper
164 100
162 101.5 81.2 121.8
160 43.4 35.7 53.5



#42
2,4,6-Tribromophenol
Concen: 124.693 ng
RT: 10.610 min Scan# 1449
Delta R.T. -0.017 min
Lab File: BF137386.D
Acq: 26 Feb 2024 15:36

Tgt Ion:330 Resp: 484503
Ion Ratio Lower Upper
330 100
332 95.1 75.6 113.4
141 32.1 28.6 42.8

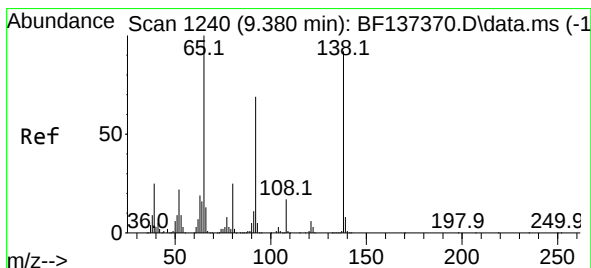
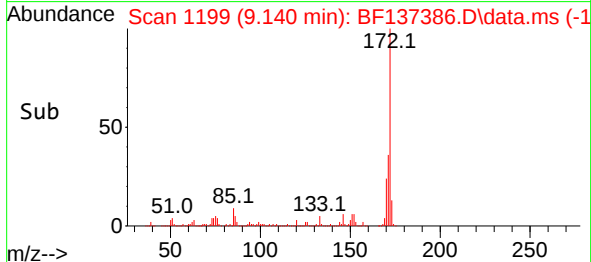
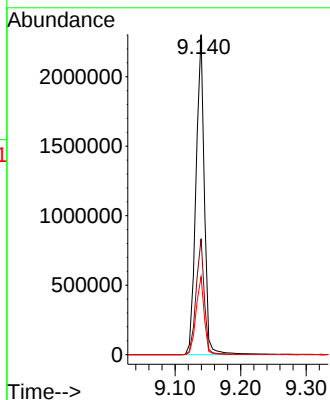
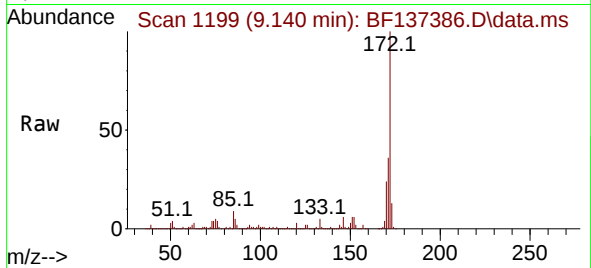




#45
2-Fluorobiphenyl
Concen: 71.877 ng
RT: 9.140 min Scan# 1199
Delta R.T. -0.017 min
Lab File: BF137386.D
Acq: 26 Feb 2024 15:36

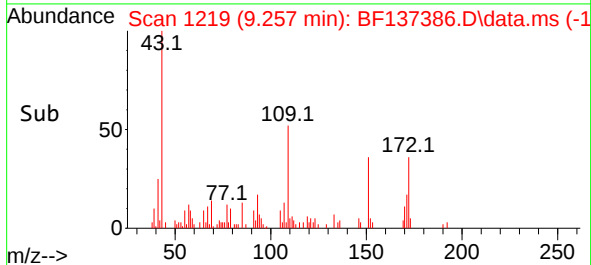
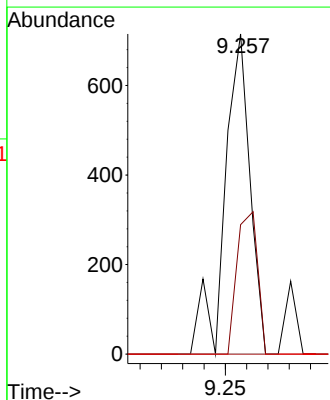
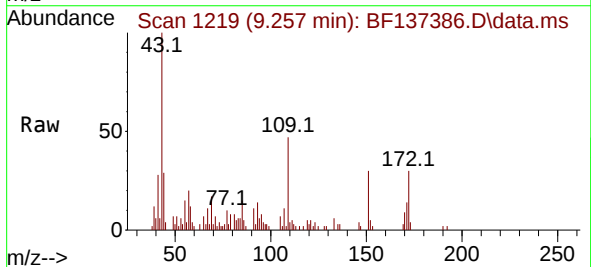
Instrument : BNA_F
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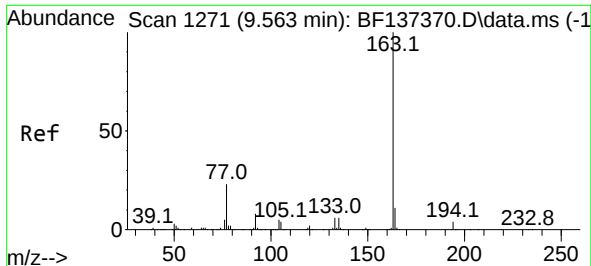
Tgt Ion:172 Resp: 2060062
Ion Ratio Lower Upper
172 100
171 36.2 28.7 43.1
170 24.4 19.5 29.3



#48
2-Nitroaniline
Concen: 4.315 ng
RT: 9.257 min Scan# 1219
Delta R.T. -0.123 min
Lab File: BF137386.D
Acq: 26 Feb 2024 15:36

Tgt Ion: 65 Resp: 590
Ion Ratio Lower Upper
65 100
92 40.4 55.0 82.6#
138 0.0 73.7 110.5#

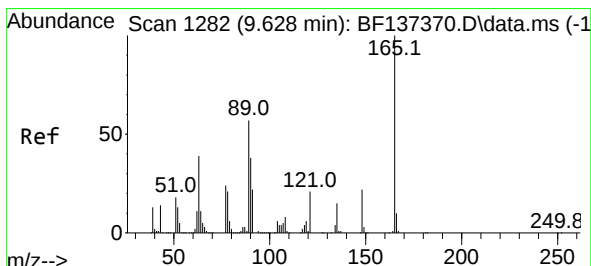
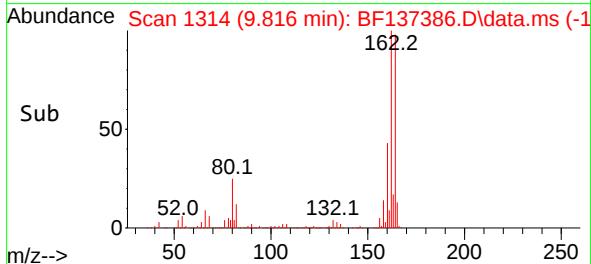
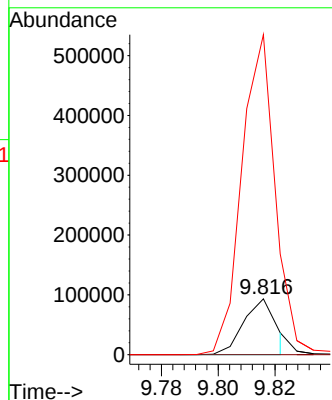
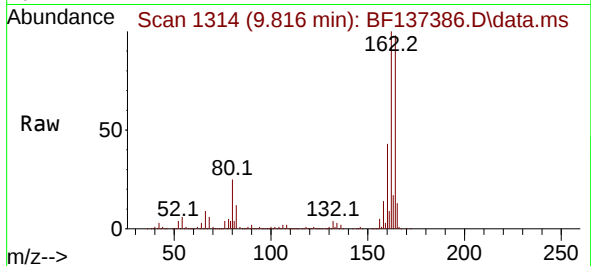




#50
Dimethylphthalate
Concen: 2.390 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.253 min
Lab File: BF137386.D
Acq: 26 Feb 2024 15:36

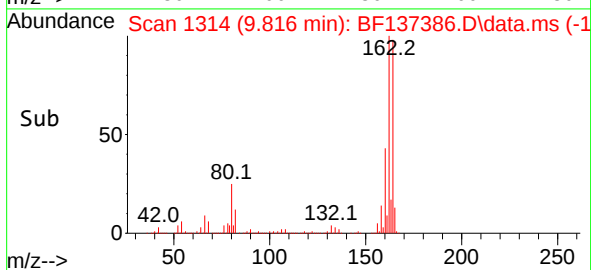
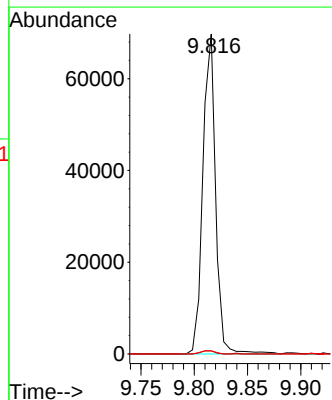
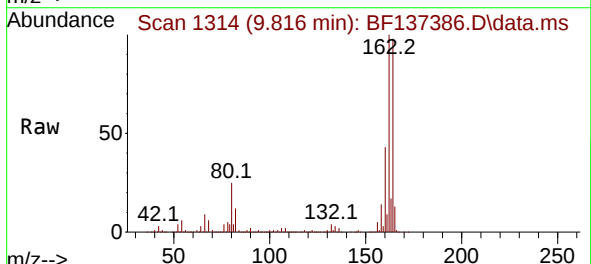
Instrument :
BNA_F
ClientSampleId :
20241100-COMPOSITE-35N-N-4-05

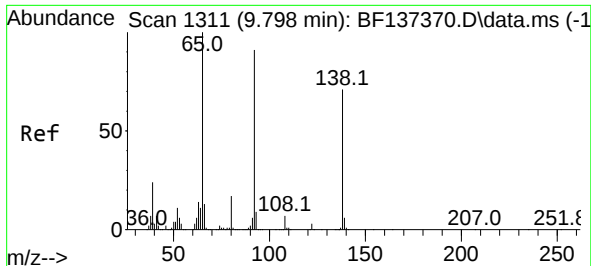
Tgt Ion:163 Resp: 73702
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.4#
164 573.7 8.5 12.7#



#51
2,6-Dinitrotoluene
Concen: 10.139 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.188 min
Lab File: BF137386.D
Acq: 26 Feb 2024 15:36

Tgt Ion:165 Resp: 58155
Ion Ratio Lower Upper
165 100
63 1.0 41.6 62.4#
89 1.0 45.8 68.6#

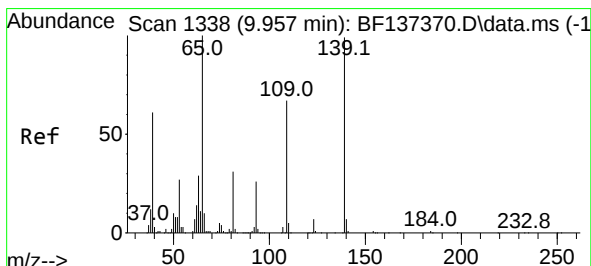
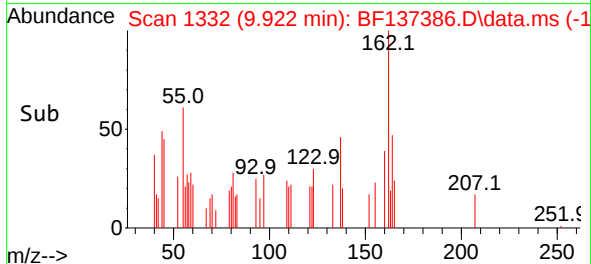
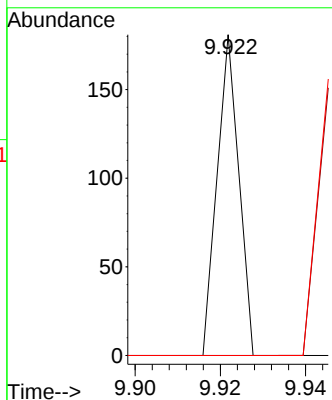
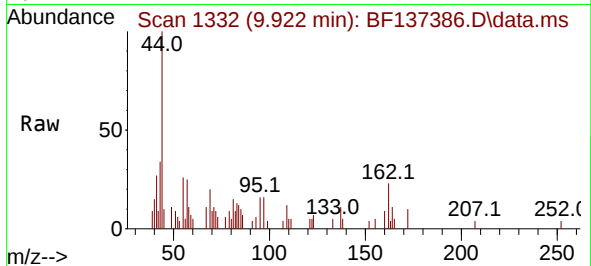




#53
3-Nitroaniline
Concen: 2.369 ng
RT: 9.922 min Scan# 11
Delta R.T. 0.124 min
Lab File: BF137386.D
Acq: 26 Feb 2024 15:36

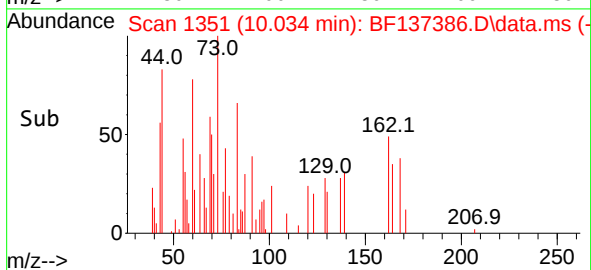
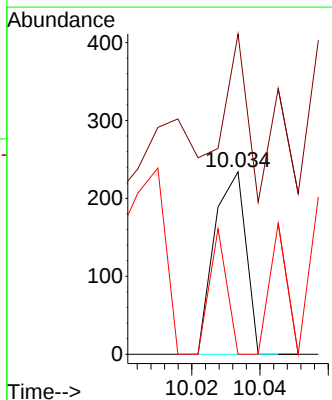
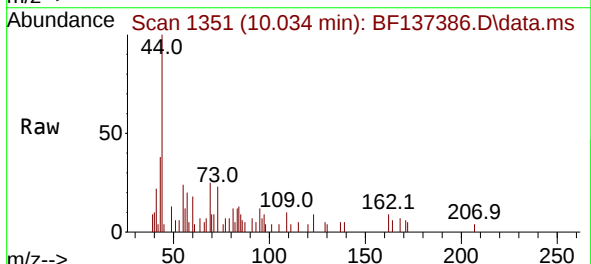
Instrument :
BNA_F
ClientSampleId :
20241100-COMPOSITE-35N-N-4-05

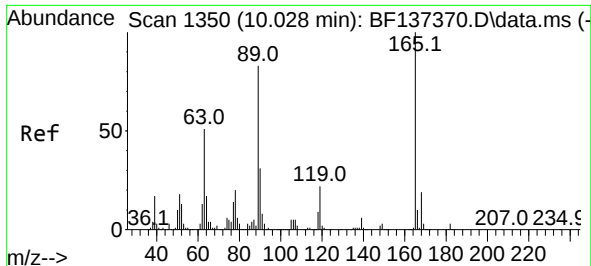
Tgt Ion:138 Resp: 64
Ion Ratio Lower Upper
138 100
108 0.0 8.2 12.2#
92 0.0 102.2 153.2#



#56
4-Nitrophenol
Concen: 4.867 ng
RT: 10.034 min Scan# 1351
Delta R.T. 0.077 min
Lab File: BF137386.D
Acq: 26 Feb 2024 15:36

Tgt Ion:139 Resp: 149
Ion Ratio Lower Upper
139 100
109 175.6 48.0 88.0#
65 0.0 82.2 122.2#

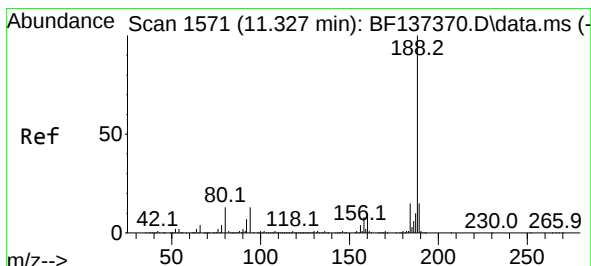
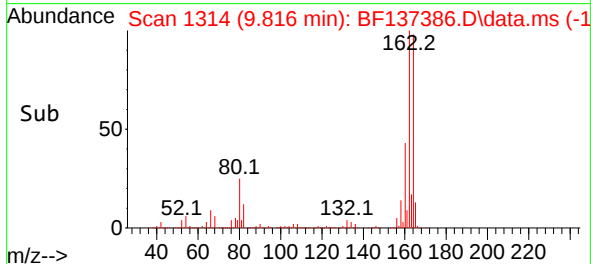
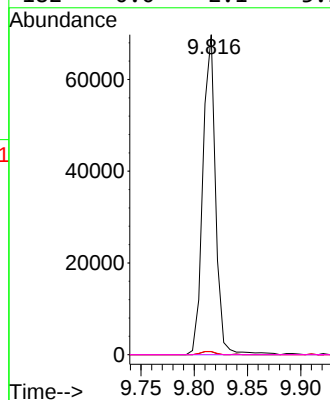
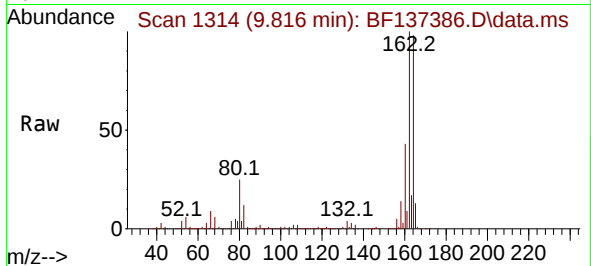




#57
2,4-Dinitrotoluene
Concen: 8.905 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.212 min
Lab File: BF137386.D
Acq: 26 Feb 2024 15:36

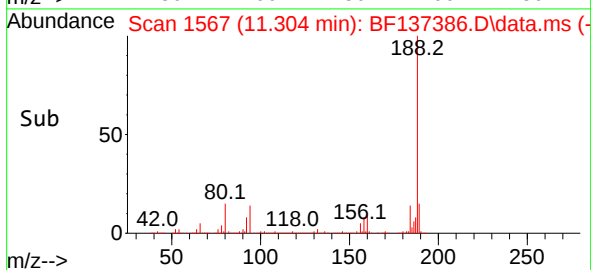
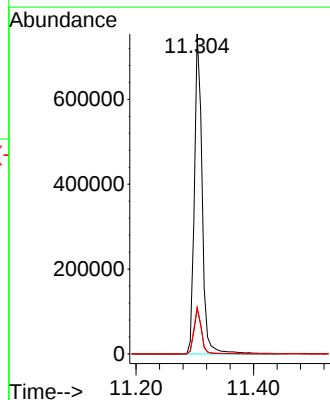
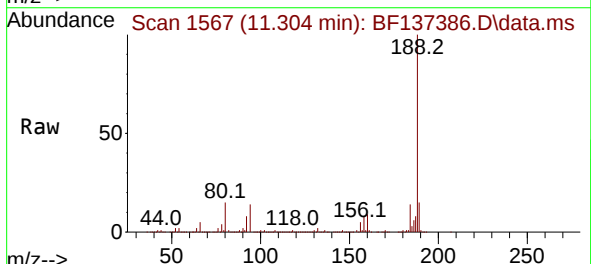
Instrument :
BNA_F
ClientSampleId :
20241100-COMPOSITE-35N-N-4-05

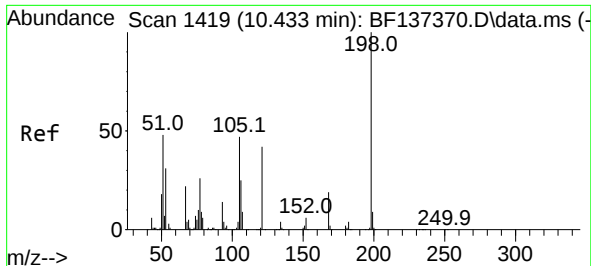
Tgt Ion:165 Resp: 58155
Ion Ratio Lower Upper
165 100
63 1.0 41.1 61.7#
89 1.0 66.6 100.0#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 1567
Delta R.T. -0.023 min
Lab File: BF137386.D
Acq: 26 Feb 2024 15:36

Tgt Ion:188 Resp: 688730
Ion Ratio Lower Upper
188 100
94 14.1 10.2 15.2
80 14.6 10.7 16.1

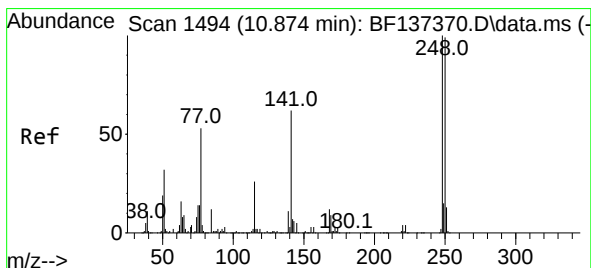
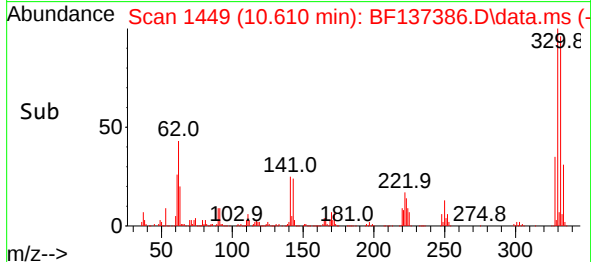
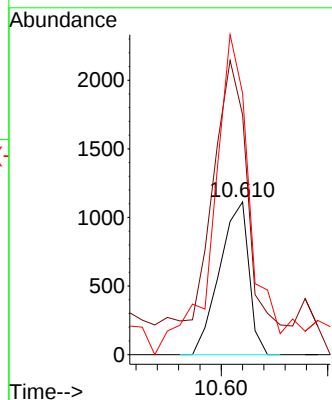
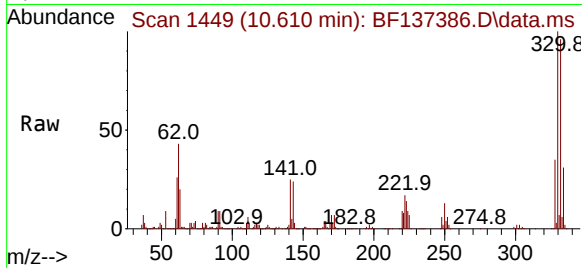




#65
4,6-Dinitro-2-methylphenol
Concen: 4.792 ng
RT: 10.610 min Scan# 1419
Delta R.T. 0.177 min
Lab File: BF137386.D
Acq: 26 Feb 2024 15:36

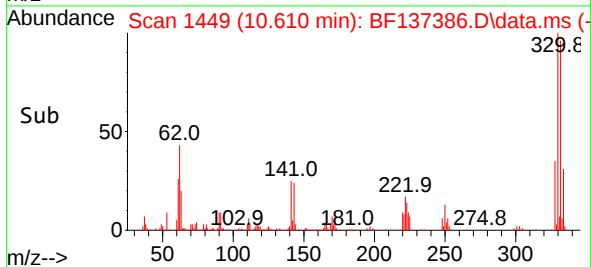
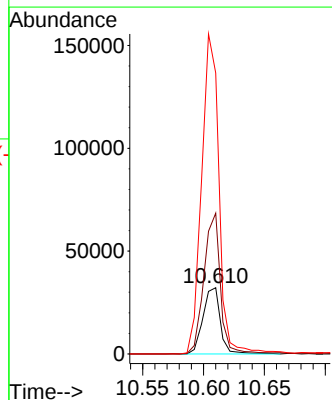
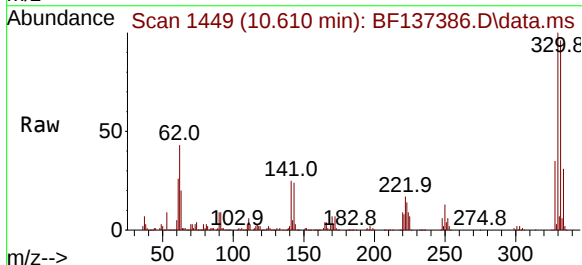
Instrument :
BNA_F
ClientSampleId :
20241100-COMPOSITE-35N-N-4-05

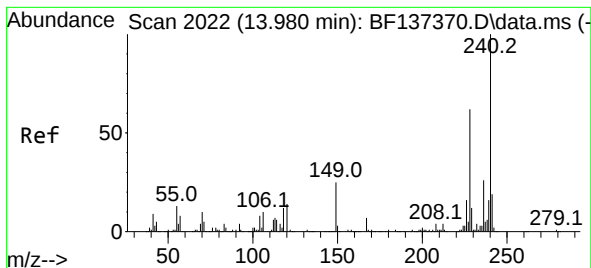
Tgt Ion:198 Resp: 1063
Ion Ratio Lower Upper
198 100
51 156.9 36.8 76.8#
105 171.0 28.5 68.5#



#67
4-Bromophenyl-phenylether
Concen: 4.317 ng
RT: 10.610 min Scan# 1449
Delta R.T. -0.264 min
Lab File: BF137386.D
Acq: 26 Feb 2024 15:36

Tgt Ion:248 Resp: 31962
Ion Ratio Lower Upper
248 100
250 212.8 79.0 118.6#
141 424.6 49.9 74.9#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.957 min Scan# 20

Delta R.T. -0.023 min

Lab File: BF137386.D

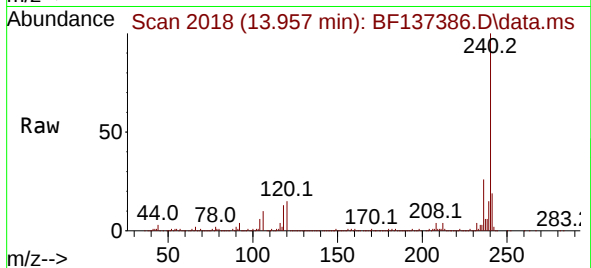
Acq: 26 Feb 2024 15:36

Instrument :

BNA_F

ClientSampleId :

20241100-COMPOSITE-35N-N-4-05



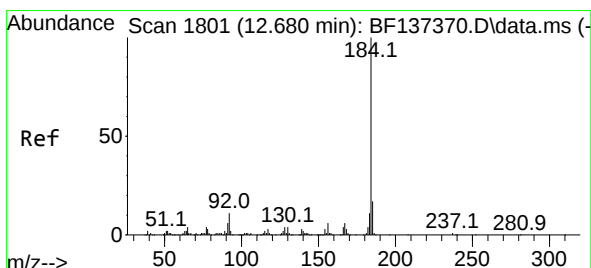
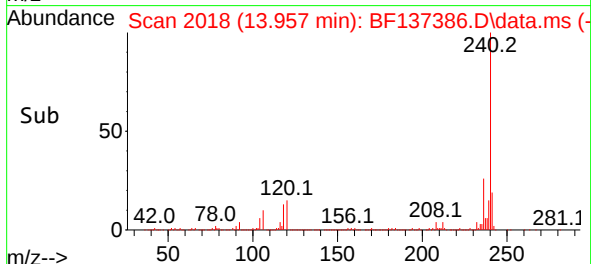
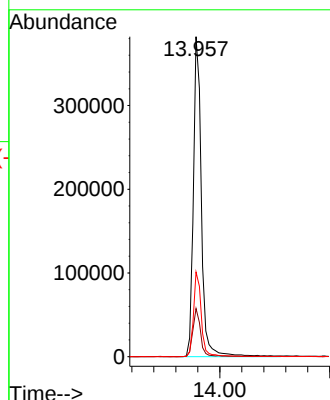
Tgt Ion:240 Resp: 385562

Ion Ratio Lower Upper

240 100

120 15.0 11.3 16.9

236 26.5 20.5 30.7



#77

Benzidine

Concen: 9.645 ng

RT: 12.904 min Scan# 1839

Delta R.T. 0.224 min

Lab File: BF137386.D

Acq: 26 Feb 2024 15:36

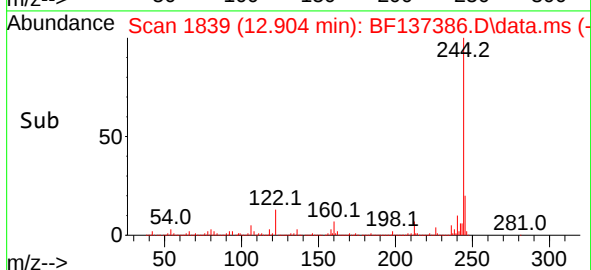
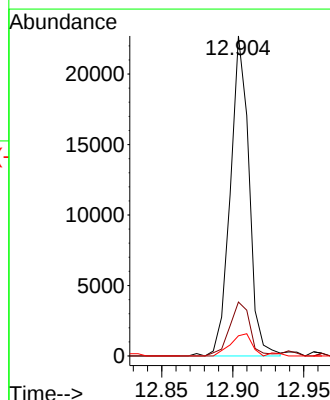
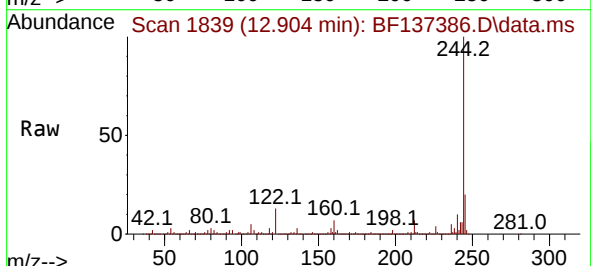
Tgt Ion:184 Resp: 20858

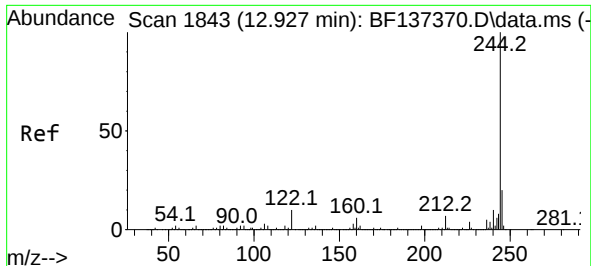
Ion Ratio Lower Upper

184 100

185 16.9 13.7 20.5

183 6.3 8.8 13.2#

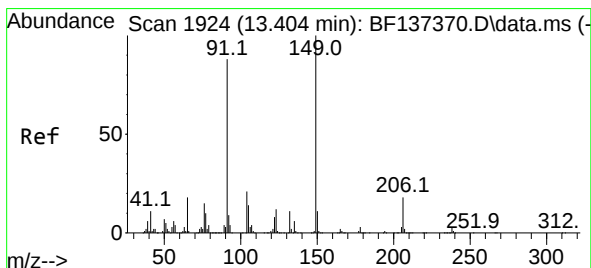
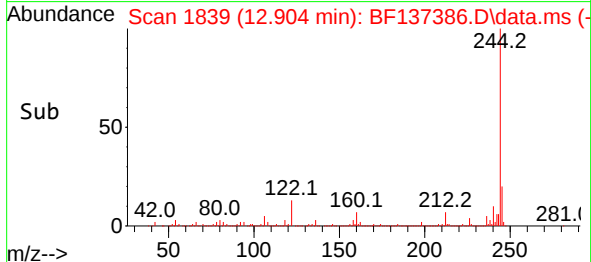
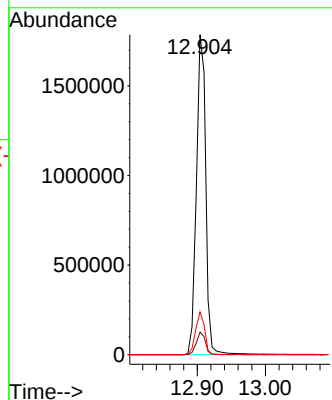
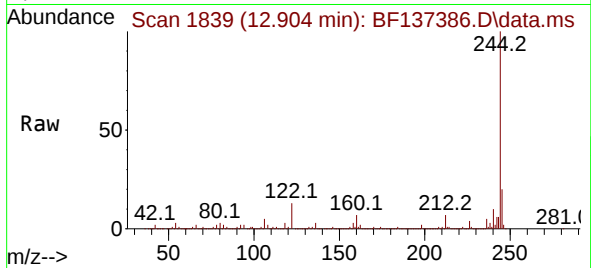




#79
Terphenyl-d14
Concen: 61.959 ng
RT: 12.904 min Scan# 1839
Delta R.T. -0.023 min
Lab File: BF137386.D
Acq: 26 Feb 2024 15:36

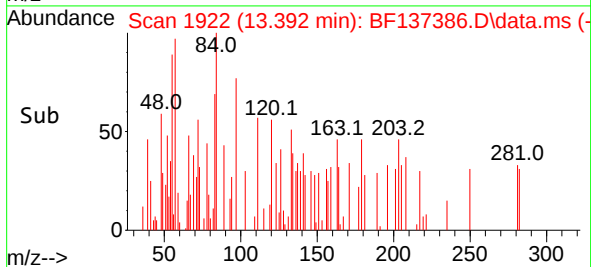
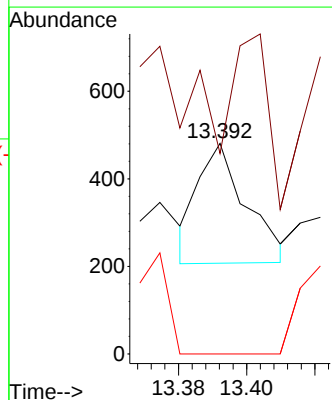
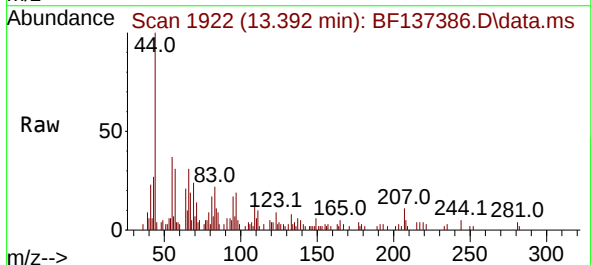
Instrument :
BNA_F
ClientSampleId :
20241100-COMPOSITE-35N-N-4-05

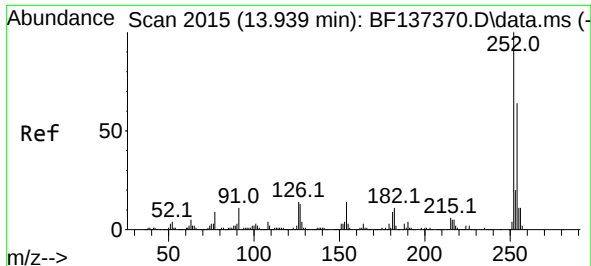
Tgt Ion:244 Resp: 1707957
Ion Ratio Lower Upper
244 100
212 7.0 5.3 7.9
122 13.3 8.2 12.4#



#80
Butylbenzylphthalate
Concen: 4.045 ng
RT: 13.392 min Scan# 1922
Delta R.T. -0.012 min
Lab File: BF137386.D
Acq: 26 Feb 2024 15:36

Tgt Ion:149 Resp: 268
Ion Ratio Lower Upper
149 100
91 95.2 70.5 105.7
206 0.0 14.8 22.2#





#82

3,3'-Dichlorobenzidine

Concen: 5.061 ng

RT: 13.922 min Scan# 2012

Delta R.T. -0.017 min

Lab File: BF137386.D

Acq: 26 Feb 2024 15:36

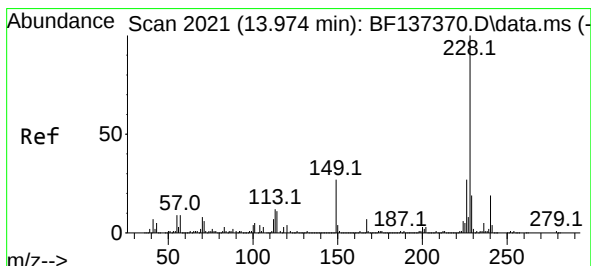
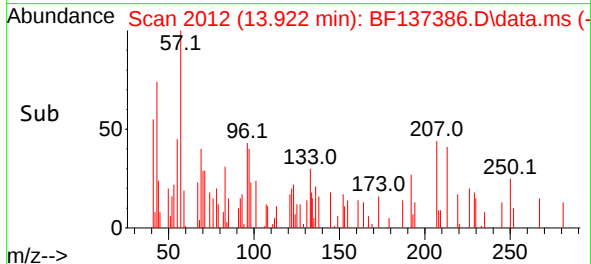
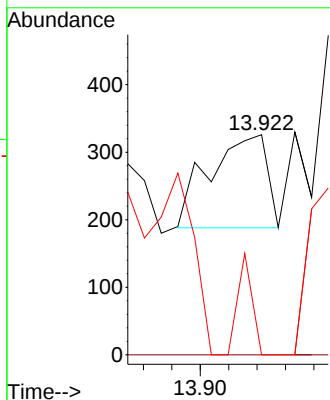
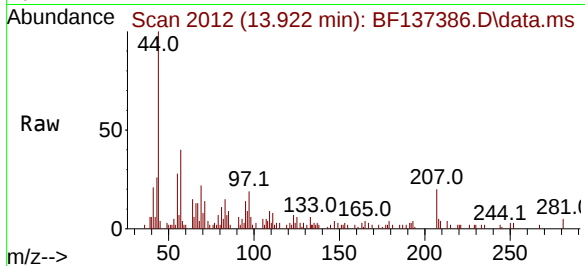
Instrument :

BNA_F

ClientSampleId :

20241100-COMPOSITE-35N-N-4-05

Tgt Ion:252	Resp:	193
Ion Ratio	Lower	Upper
252	100	
254	0.0	51.2 76.8#
126	0.0	11.1 16.7#



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.416 ng

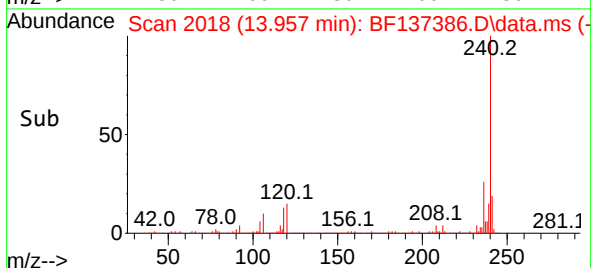
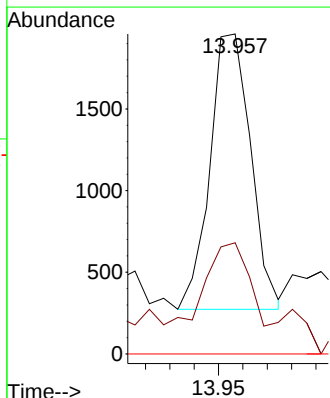
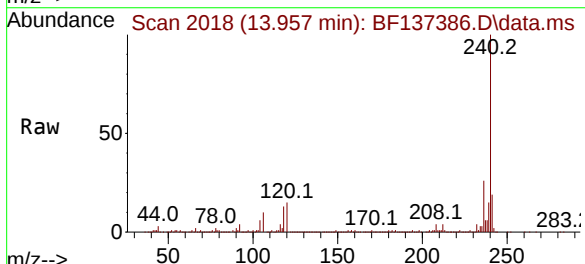
RT: 13.957 min Scan# 2018

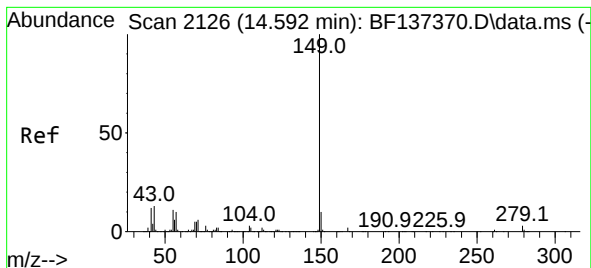
Delta R.T. -0.017 min

Lab File: BF137386.D

Acq: 26 Feb 2024 15:36

Tgt Ion:149	Resp:	1963
Ion Ratio	Lower	Upper
149	100	
167	34.8	20.6 31.0#
279	0.0	2.7 4.1#





#85

Di-n-octyl phthalate

Concen: 6.011 ng

RT: 14.569 min Scan# 21

Delta R.T. -0.023 min

Lab File: BF137386.D

Acq: 26 Feb 2024 15:36

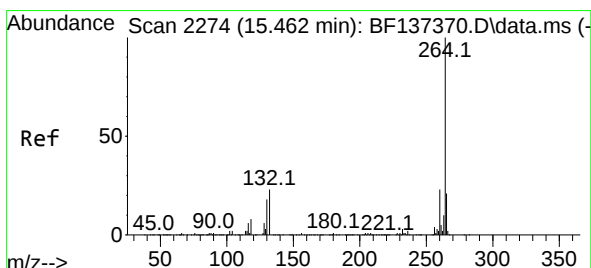
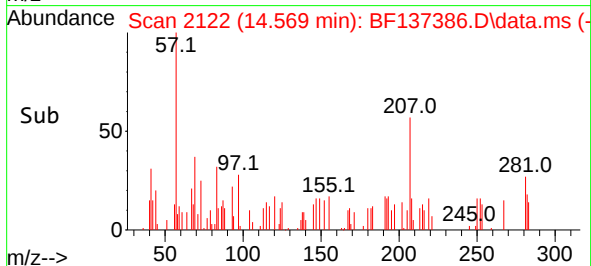
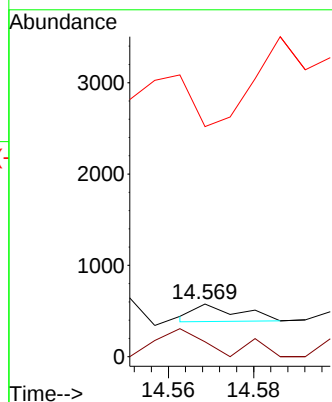
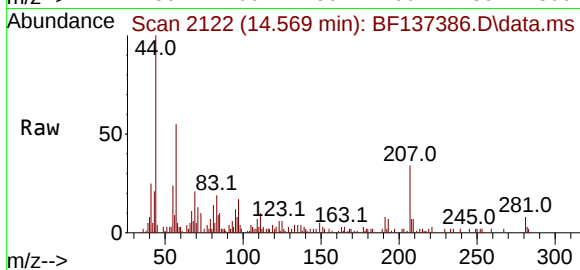
Instrument :

BNA_F

ClientSampleId :

20241100-COMPOSITE-35N-N-4-05

Tgt Ion:	149	Resp:	139
Ion Ratio	Lower	Upper	
149	100		
167	164.0	1.2	1.8#
43	347.5	13.7	20.5#



#86

Perylene-d12

Concen: 20.000 ng

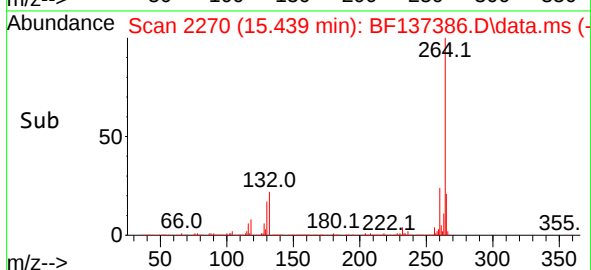
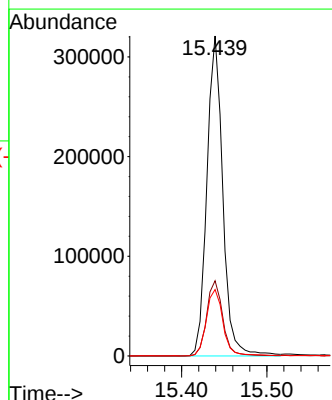
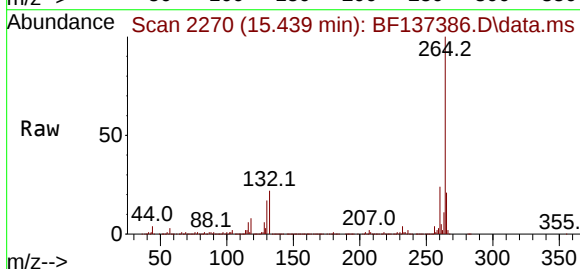
RT: 15.439 min Scan# 2270

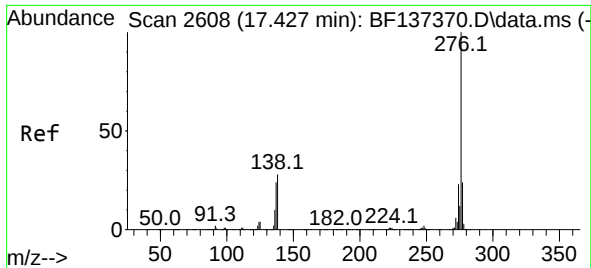
Delta R.T. -0.023 min

Lab File: BF137386.D

Acq: 26 Feb 2024 15:36

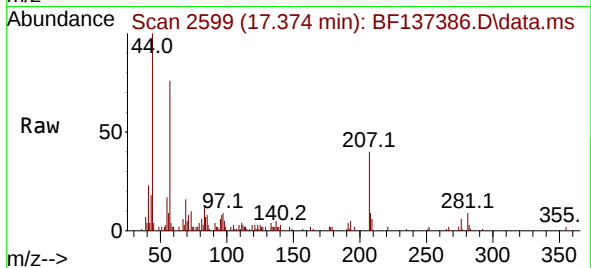
Tgt Ion:	264	Resp:	416312
Ion Ratio	Lower	Upper	
264	100		
260	23.5	18.5	27.7
265	20.8	16.9	25.3





#92
 Benzo(g,h,i)perylene
 Concen: 2.160 ng
 RT: 17.374 min Scan# 21
 Delta R.T. -0.053 min
 Lab File: BF137386.D
 Acq: 26 Feb 2024 15:36

Instrument :
 BNA_F
 ClientSampleId :
 20241100-COMPOSITE-35N-N-4-05



Tgt Ion:	276	Resp:	2306
Ion	Ratio	Lower	Upper
276	100		
277	16.4	19.0	28.4#
138	25.3	22.6	33.8

