

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022724\
 Data File : BF137406.D
 Acq On : 27 Feb 2024 15:46
 Operator : CG\JU
 Sample : P1524-07
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 20240767-AMENDED-COMP-39N-N-3-02

Quant Time: Feb 27 16:09:08 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)

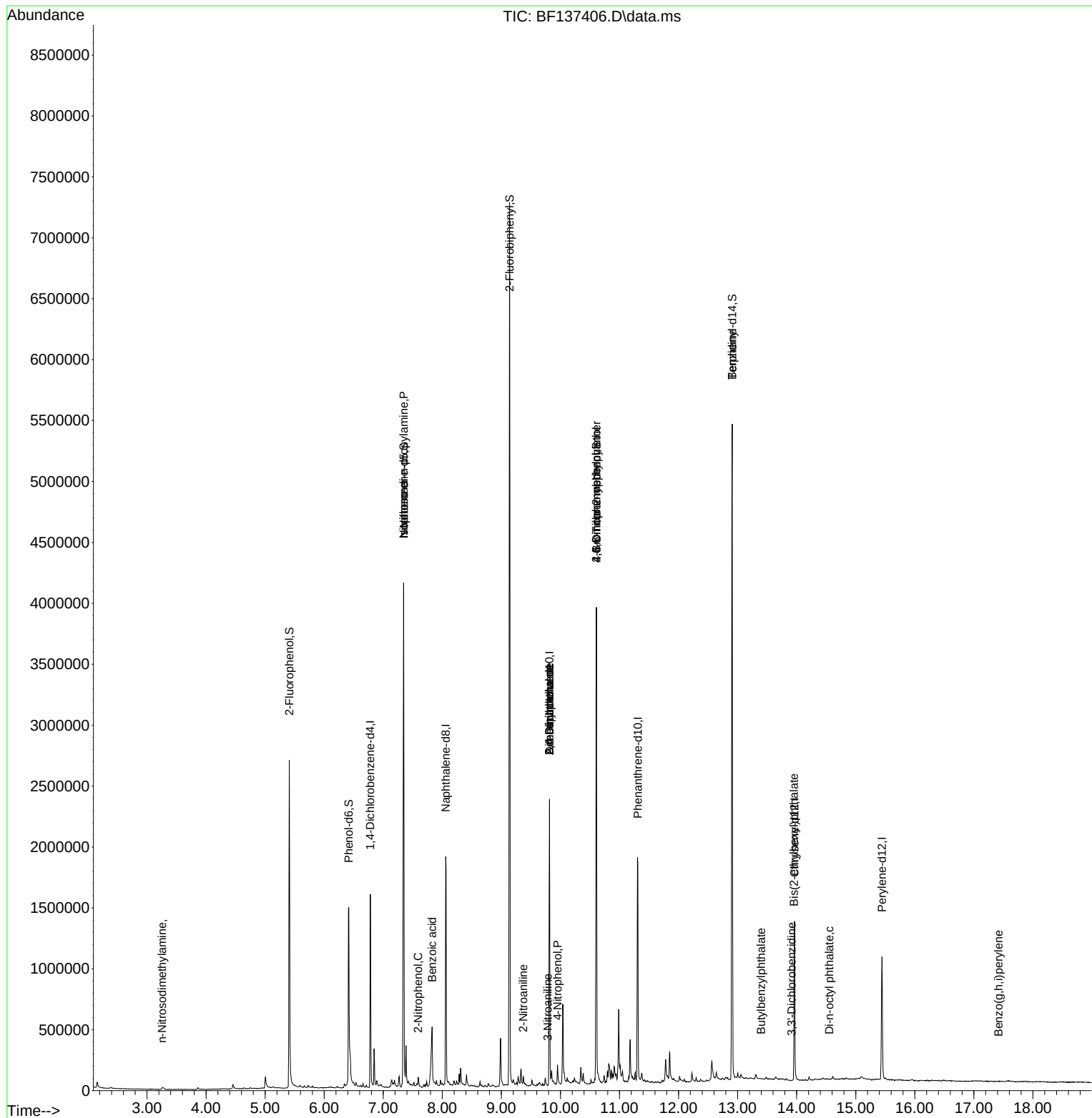
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	217529	20.000	ng	-0.02
21) Naphthalene-d8	8.057	136	841616	20.000	ng	-0.02
39) Acenaphthene-d10	9.816	164	441731	20.000	ng	-0.02
64) Phenanthrene-d10	11.310	188	652601	20.000	ng	-0.02
76) Chrysene-d12	13.963	240	436776	20.000	ng	-0.02
86) Perylene-d12	15.445	264	445541	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	732267	51.943	ng	-0.02
7) Phenol-d6	6.416	99	573395	27.650	ng	-0.02
23) Nitrobenzene-d5	7.345	82	1421368	84.315	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	420410	109.294	ng	-0.02
45) 2-Fluorobiphenyl	9.139	172	2218453	78.188	ng	-0.02
79) Terphenyl-d14	12.910	244	1914708	61.314	ng	-0.02
Target Compounds						
						Qvalue
4) n-Nitrosodimethylamine	3.257	42	660	5.186	ng	# 1
19) n-Nitroso-di-n-propyla...	7.345	70	187293	14.656	ng	# 82
25) Isophorone	7.345	82	1419726	40.724	ng	# 69
26) 2-Nitrophenol	7.592	139	489	2.973	ng	# 23
32) Benzoic acid	7.828	122	9392	7.974	ng	# 82
48) 2-Nitroaniline	9.369	65	494	4.304	ng	# 87
50) Dimethylphthalate	9.816	163	73643	2.413	ng	# 1
51) 2,6-Dinitrotoluene	9.816	165	57453	10.118	ng	# 26
53) 3-Nitroaniline	9.786	138	147	2.382	ng	# 1
56) 4-Nitrophenol	9.951	139	739	4.983	ng	# 1
57) 2,4-Dinitrotoluene	9.816	165	57453	8.889	ng	# 18
65) 4,6-Dinitro-2-methylph...	10.610	198	1127	4.826	ng	# 1
67) 4-Bromophenyl-phenylether	10.610	248	28742	4.097	ng	# 1
77) Benzidine	12.910	184	24194	9.710	ng	# 94
80) Butylbenzylphthalate	13.398	149	247	4.033	ng	# 40
82) 3,3'-Dichlorobenzidine	13.915	252	462	5.092	ng	# 28
84) Bis(2-ethylhexyl)phtha...	13.957	149	2802	4.502	ng	# 48
85) Di-n-octyl phthalate	14.551	149	288	6.026	ng	# 1
92) Benzo(g,h,i)perylene	17.415	276	109	2.073	ng	# 49

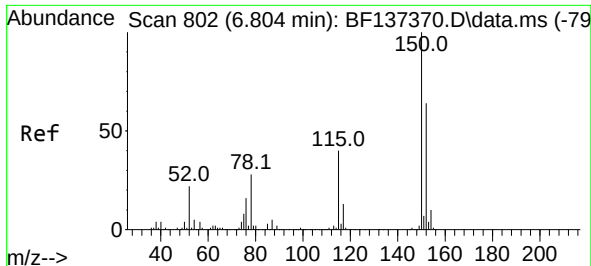
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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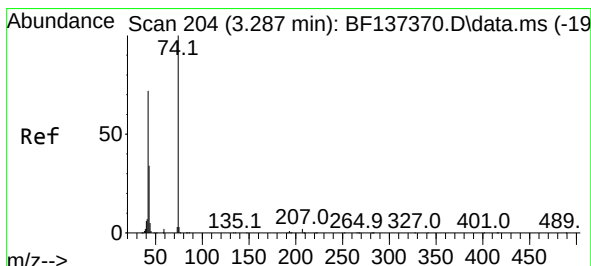
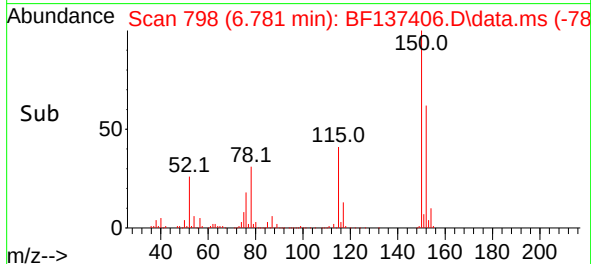
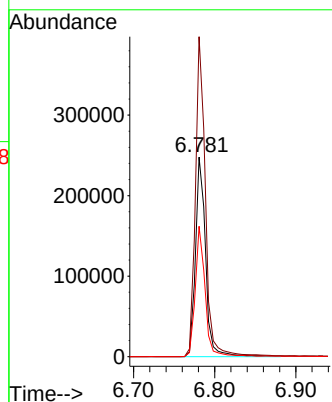
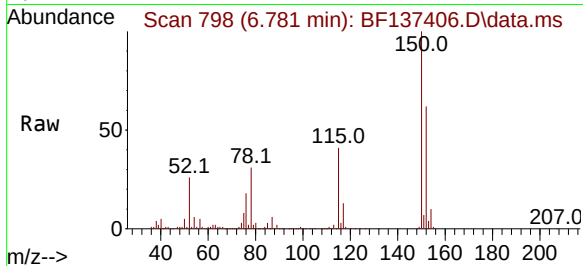




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.023 min
Lab File: BF137406.D
Acq: 27 Feb 2024 15:46

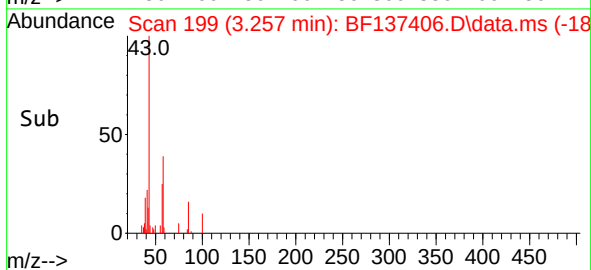
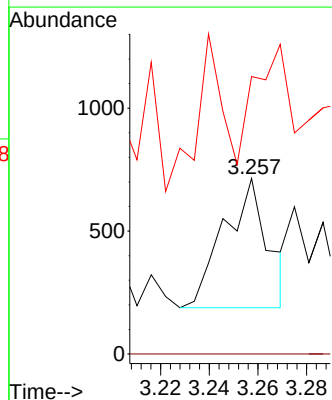
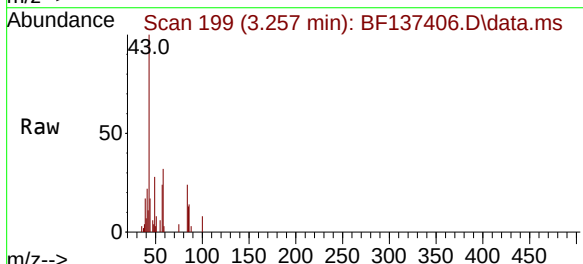
Instrument :
BNA_F
ClientSampleId :
20240767-AMENDED-COMP-39N-N-3-02

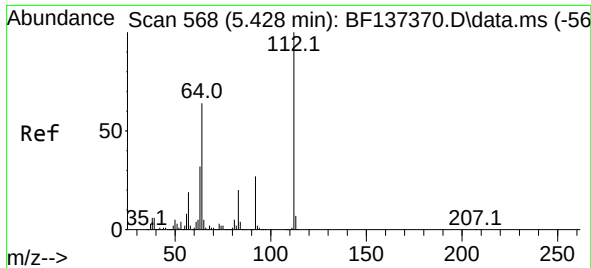
Tgt Ion:152 Resp: 217529
Ion Ratio Lower Upper
152 100
150 160.3 125.7 188.5
115 65.3 49.8 74.8



#4
n-Nitrosodimethylamine
Concen: 5.186 ng
RT: 3.257 min Scan# 199
Delta R.T. -0.030 min
Lab File: BF137406.D
Acq: 27 Feb 2024 15:46

Tgt Ion: 42 Resp: 660
Ion Ratio Lower Upper
42 100
74 0.0 110.8 166.2#
44 158.1 6.0 9.0#

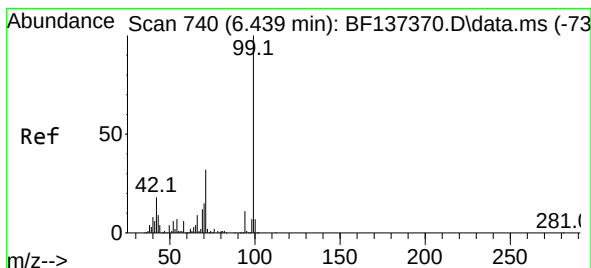
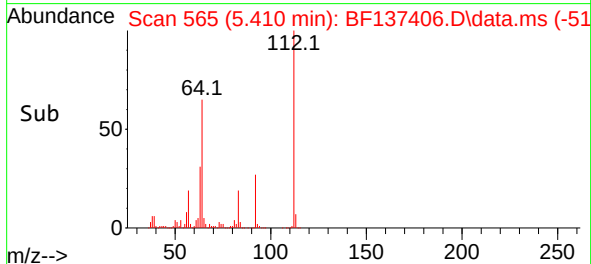
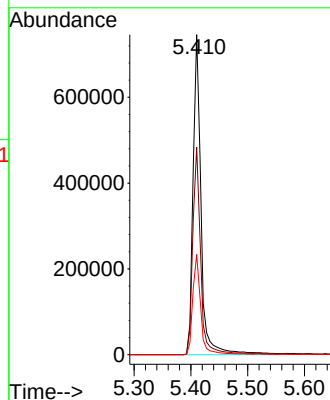
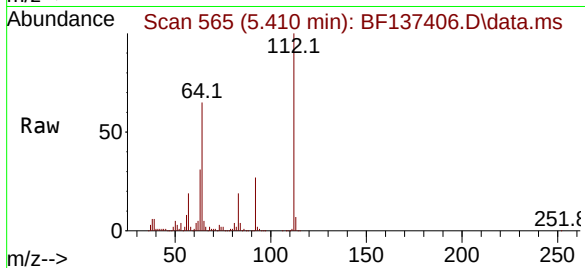




#5
2-Fluorophenol
Concen: 51.943 ng
RT: 5.410 min Scan# 501
Delta R.T. -0.018 min
Lab File: BF137406.D
Acq: 27 Feb 2024 15:46

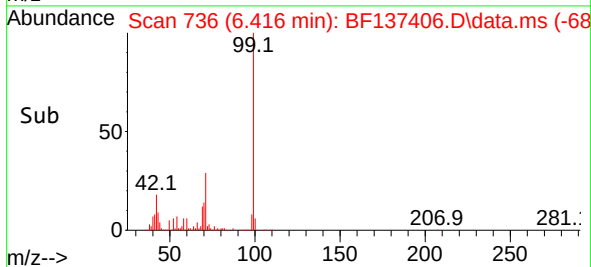
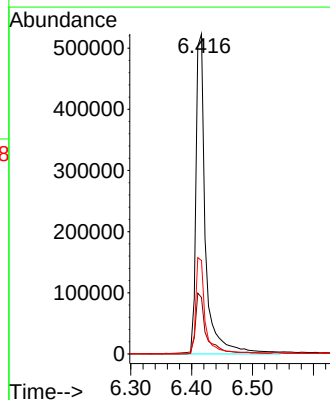
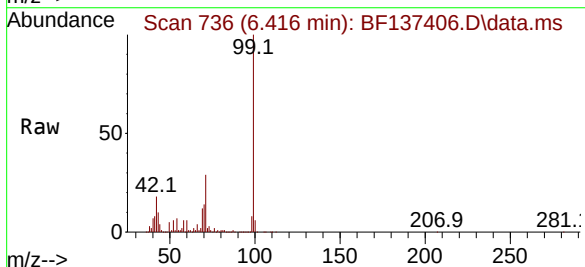
Instrument :
BNA_F
ClientSampleId :
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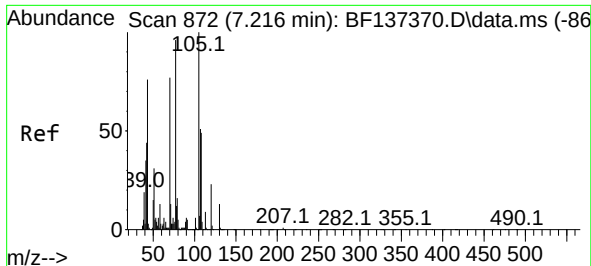
Tgt Ion:112 Resp: 732267
Ion Ratio Lower Upper
112 100
64 64.9 51.0 76.6
63 31.3 25.7 38.5



#7
Phenol-d6
Concen: 27.650 ng
RT: 6.416 min Scan# 736
Delta R.T. -0.024 min
Lab File: BF137406.D
Acq: 27 Feb 2024 15:46

Tgt Ion: 99 Resp: 573395
Ion Ratio Lower Upper
99 100
42 17.6 14.2 21.4
71 29.2 25.2 37.8

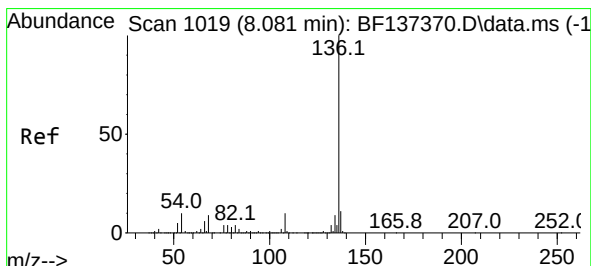
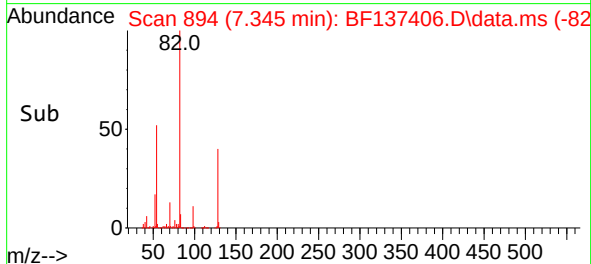
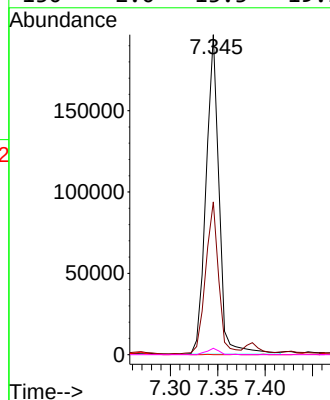
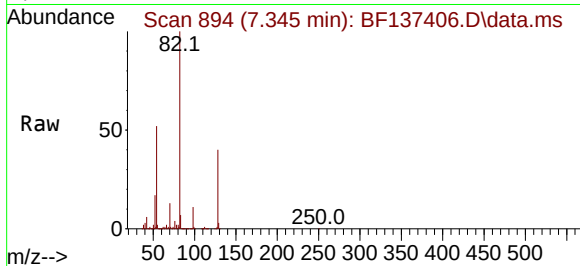




#19
n-Nitroso-di-n-propylamine
Concen: 14.656 ng
RT: 7.345 min Scan# 894
Delta R.T. 0.129 min
Lab File: BF137406.D
Acq: 27 Feb 2024 15:46

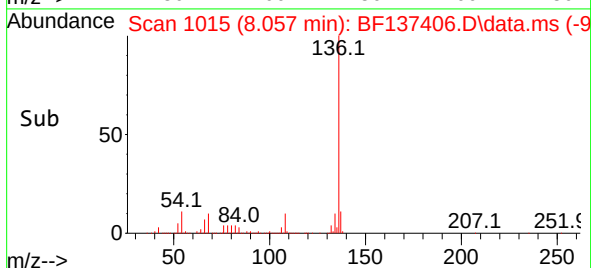
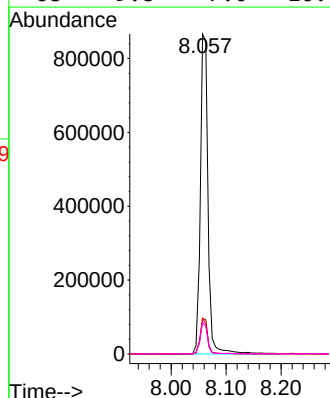
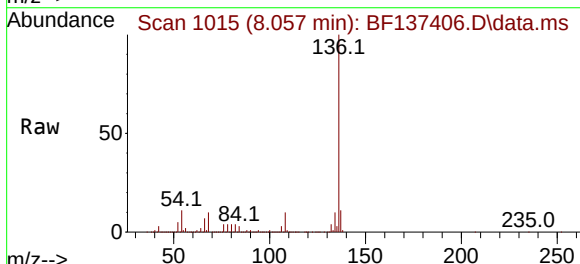
Instrument :
BNA_F
ClientSampleId :
20240767-AMENDED-COMP-39N-N-3-02

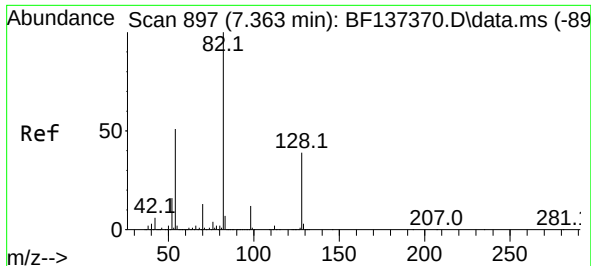
Tgt Ion: 70 Resp: 187293
Ion Ratio Lower Upper
70 100
42 47.8 45.3 67.9
101 0.0 6.5 9.7#
130 2.0 13.3 19.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.024 min
Lab File: BF137406.D
Acq: 27 Feb 2024 15:46

Tgt Ion:136 Resp: 841616
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.4
54 11.2 7.8 11.6
68 9.8 7.0 10.4



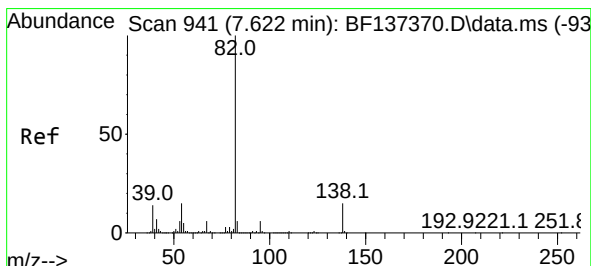
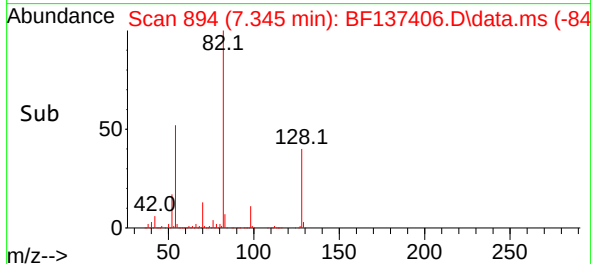
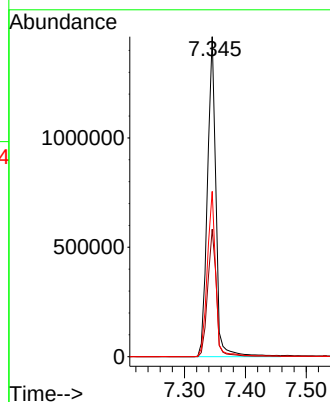
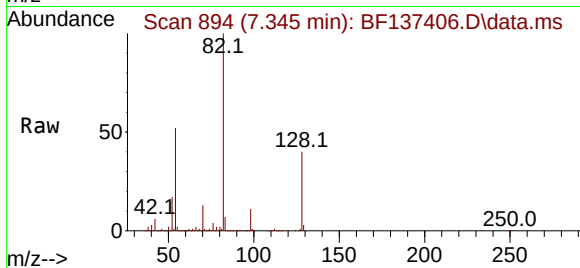


#23
Nitrobenzene-d5
Concen: 84.315 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.018 min
Lab File: BF137406.D
Acq: 27 Feb 2024 15:46

Instrument :
BNA_F
ClientSampleId :
20240767-AMENDED-COMP-39N-N-3-02

Tgt Ion: 82 Resp: 1421368

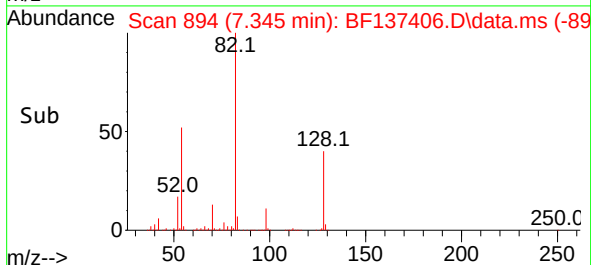
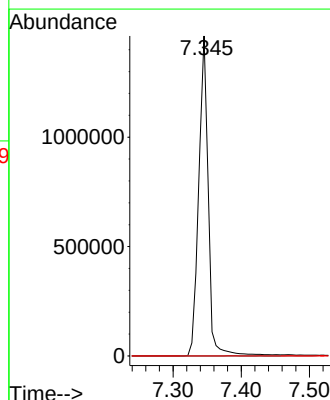
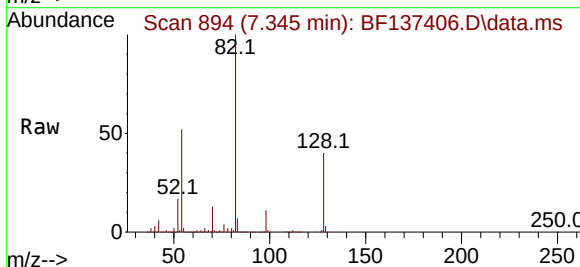
Ion	Ratio	Lower	Upper
82	100		
128	39.8	30.8	46.2
54	51.7	40.8	61.2

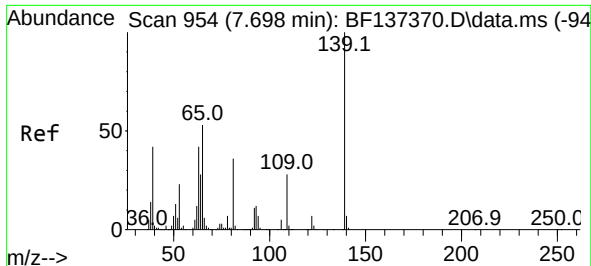


#25
Isophorone
Concen: 40.724 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.276 min
Lab File: BF137406.D
Acq: 27 Feb 2024 15:46

Tgt Ion: 82 Resp: 1419726

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.1	7.7#
138	0.0	12.2	18.4#

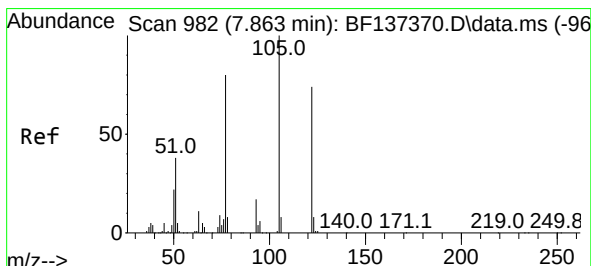
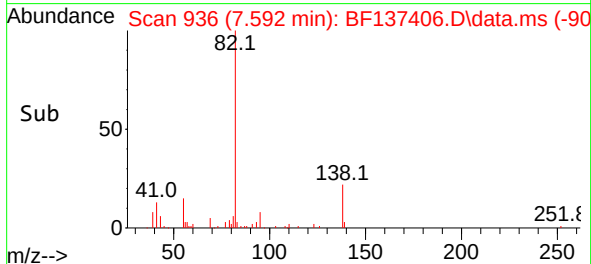
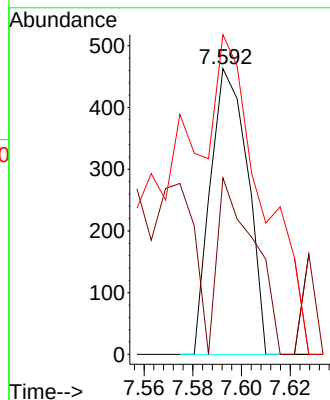
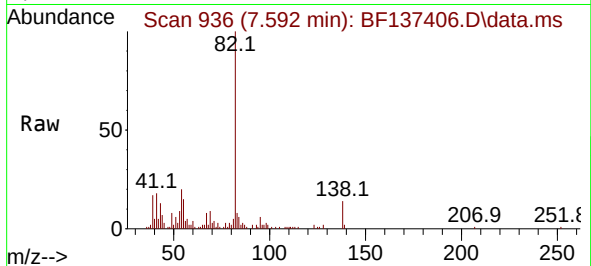




#26
2-Nitrophenol
Concen: 2.973 ng
RT: 7.592 min Scan# 913
Delta R.T. -0.106 min
Lab File: BF137406.D
Acq: 27 Feb 2024 15:46

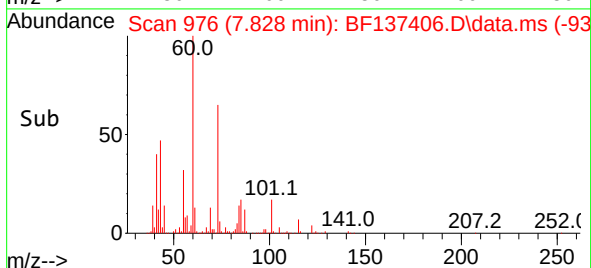
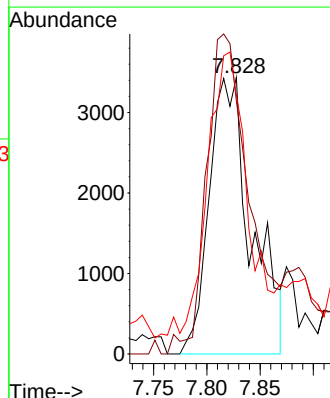
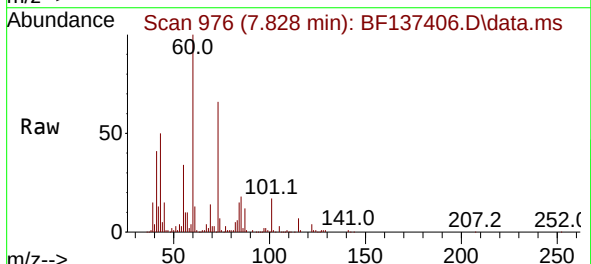
Instrument :
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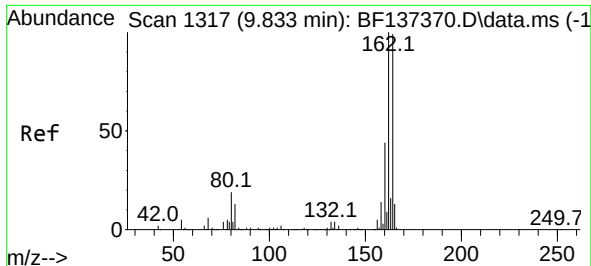
Tgt Ion:139 Resp: 489
Ion Ratio Lower Upper
139 100
109 61.8 22.5 33.7#
65 111.9 42.3 63.5#



#32
Benzoic acid
Concen: 7.974 ng
RT: 7.828 min Scan# 976
Delta R.T. -0.035 min
Lab File: BF137406.D
Acq: 27 Feb 2024 15:46

Tgt Ion:122 Resp: 9392
Ion Ratio Lower Upper
122 100
105 91.5 101.1 141.1#
77 93.8 82.8 122.8

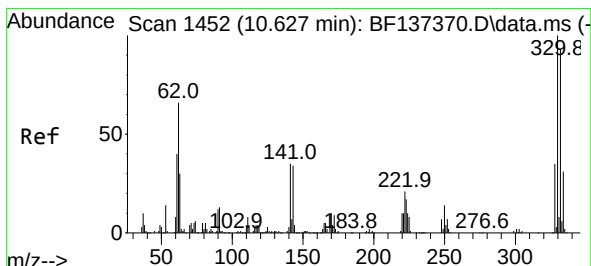
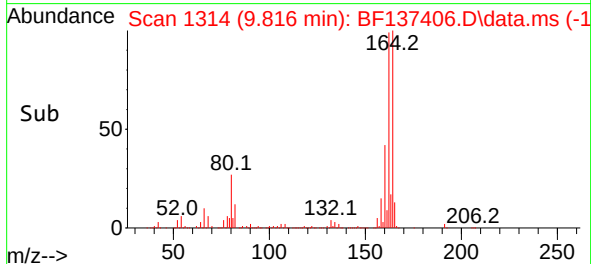
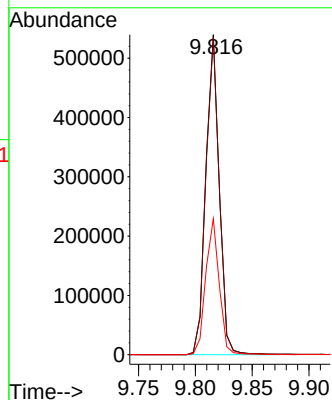
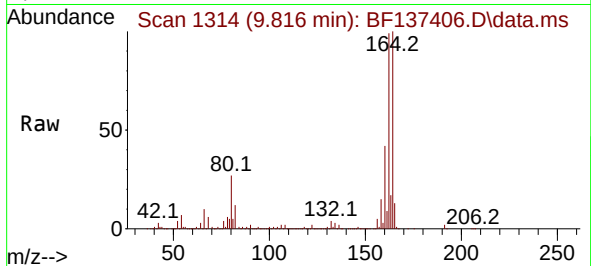




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF137406.D
Acq: 27 Feb 2024 15:46

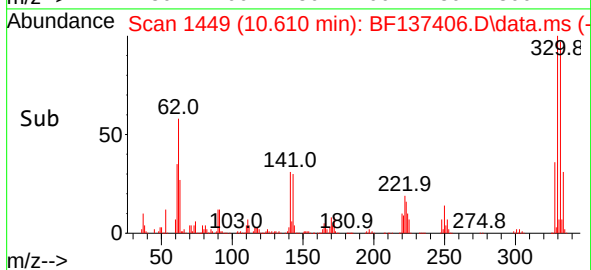
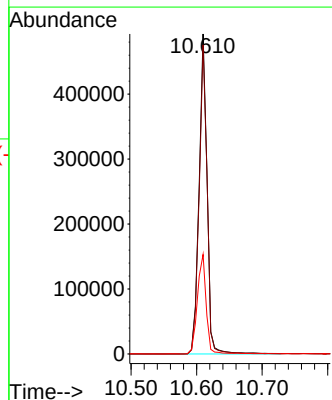
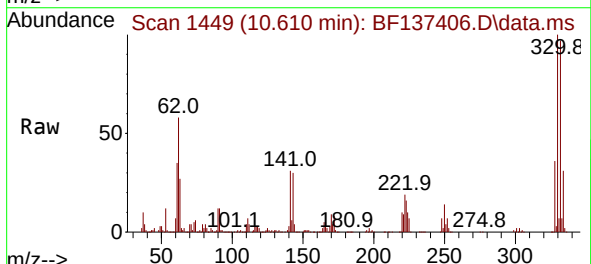
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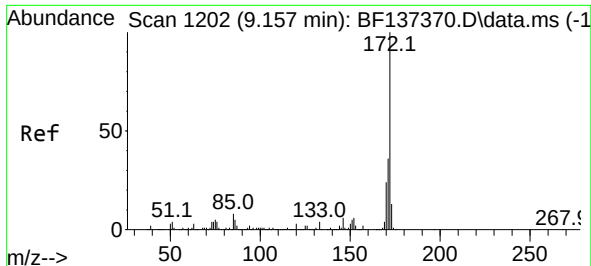
Tgt Ion:164 Resp: 441731
Ion Ratio Lower Upper
164 100
162 99.2 81.2 121.8
160 42.5 35.7 53.5



#42
2,4,6-Tribromophenol
Concen: 109.294 ng
RT: 10.610 min Scan# 1449
Delta R.T. -0.018 min
Lab File: BF137406.D
Acq: 27 Feb 2024 15:46

Tgt Ion:330 Resp: 420410
Ion Ratio Lower Upper
330 100
332 96.4 75.6 113.4
141 34.3 28.6 42.8

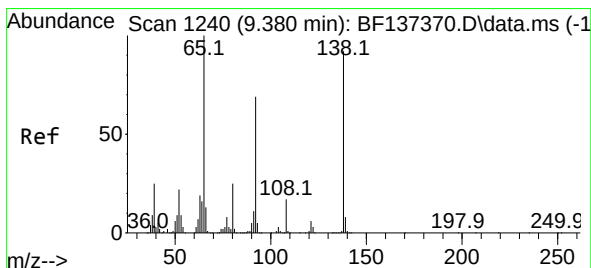
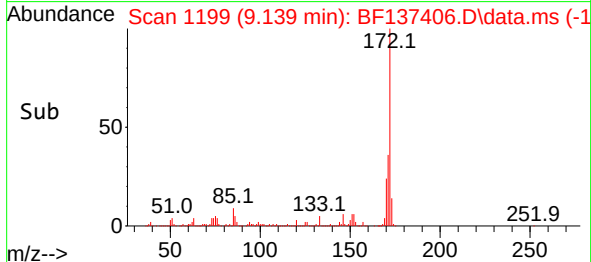
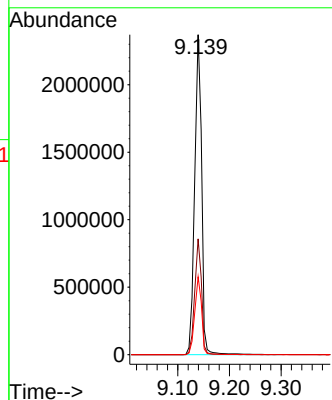
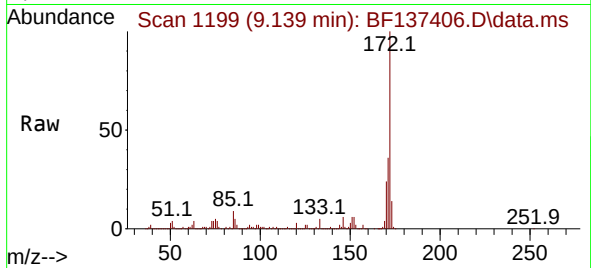




#45
2-Fluorobiphenyl
Concen: 78.188 ng
RT: 9.139 min Scan# 1199
Delta R.T. -0.018 min
Lab File: BF137406.D
Acq: 27 Feb 2024 15:46

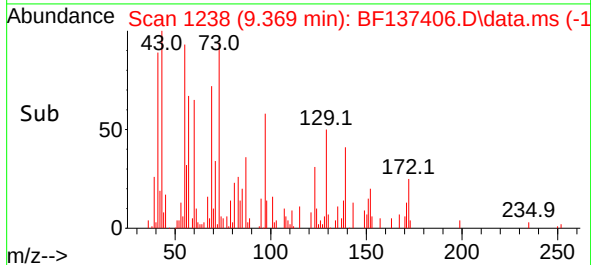
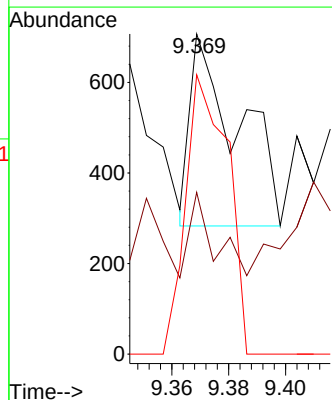
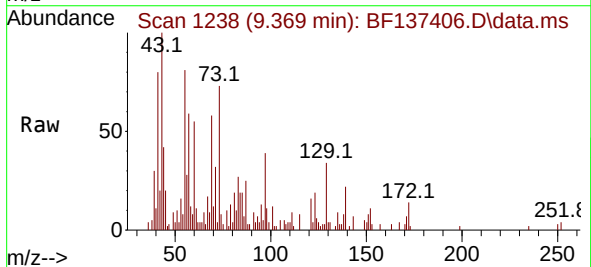
Instrument :
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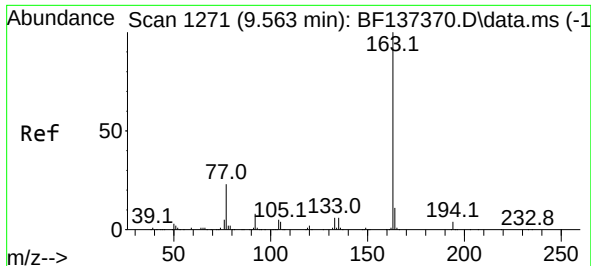
Tgt Ion:172 Resp: 2218453
Ion Ratio Lower Upper
172 100
171 36.2 28.7 43.1
170 24.3 19.5 29.3



#48
2-Nitroaniline
Concen: 4.304 ng
RT: 9.369 min Scan# 1238
Delta R.T. -0.011 min
Lab File: BF137406.D
Acq: 27 Feb 2024 15:46

Tgt Ion: 65 Resp: 494
Ion Ratio Lower Upper
65 100
92 50.5 55.0 82.6#
138 87.3 73.7 110.5





#50

Dimethylphthalate

Concen: 2.413 ng

RT: 9.816 min Scan# 1314

Delta R.T. 0.253 min

Lab File: BF137406.D

Acq: 27 Feb 2024 15:46

Instrument :

BNA_F

ClientSampleId :

20240767-AMENDED-COMP-39N-N-3-02

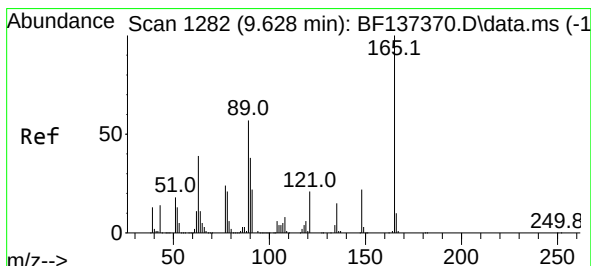
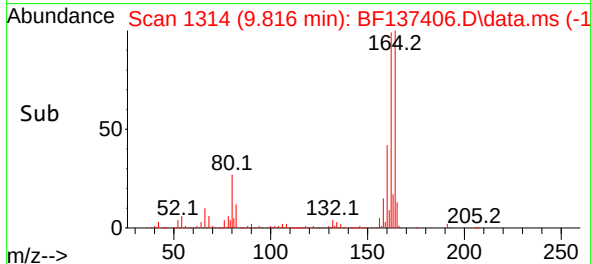
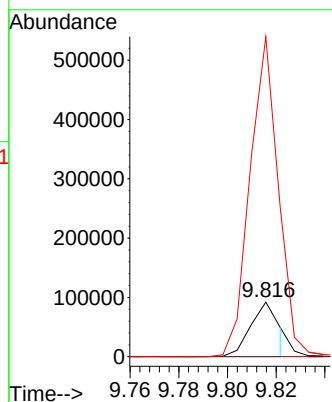
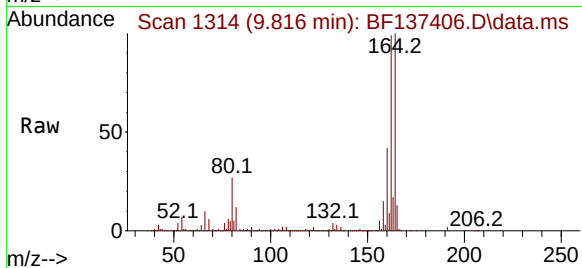
Tgt Ion:163 Resp: 73643

Ion Ratio Lower Upper

163 100

194 0.0 3.0 4.4#

164 586.4 8.5 12.7#



#51

2,6-Dinitrotoluene

Concen: 10.118 ng

RT: 9.816 min Scan# 1314

Delta R.T. 0.188 min

Lab File: BF137406.D

Acq: 27 Feb 2024 15:46

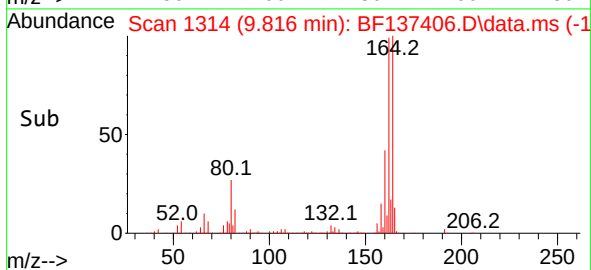
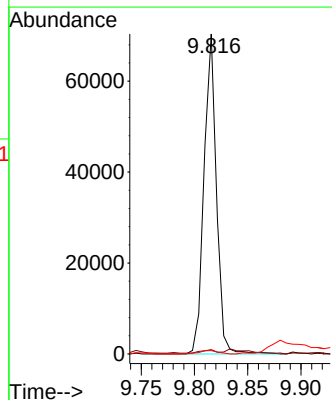
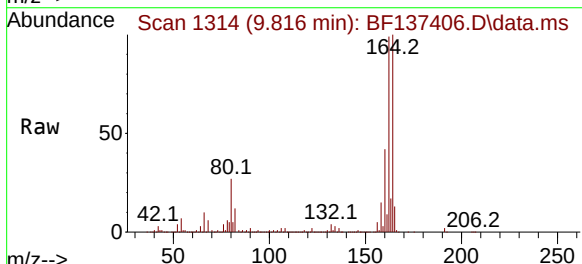
Tgt Ion:165 Resp: 57453

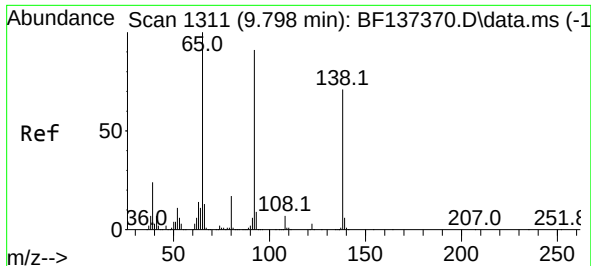
Ion Ratio Lower Upper

165 100

63 1.4 41.6 62.4#

89 1.1 45.8 68.6#

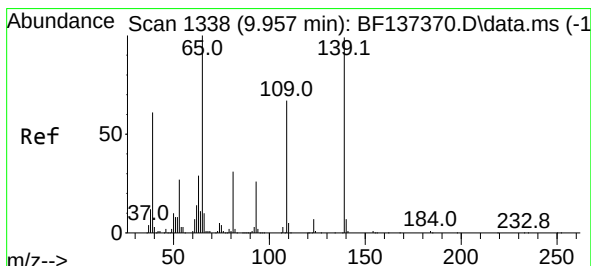
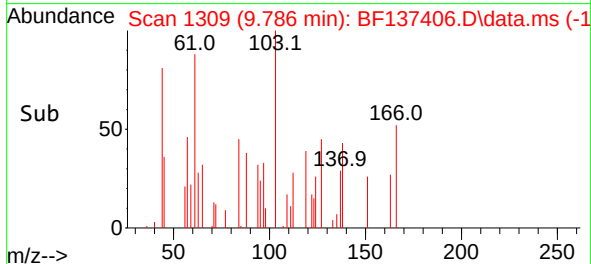
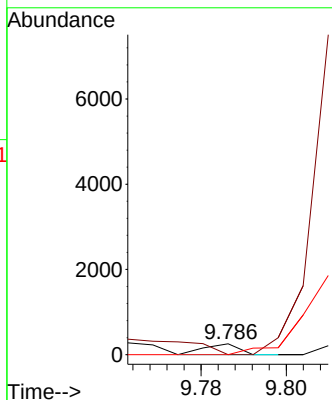
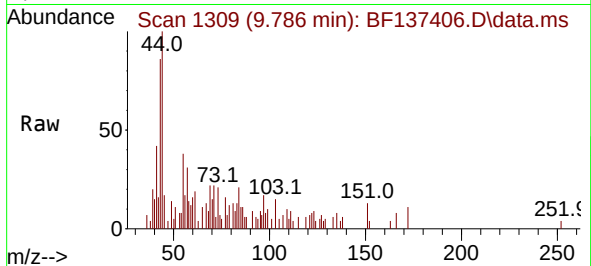




#53
3-Nitroaniline
Concen: 2.382 ng
RT: 9.786 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF137406.D
Acq: 27 Feb 2024 15:46

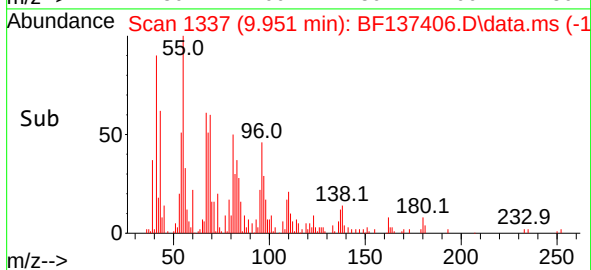
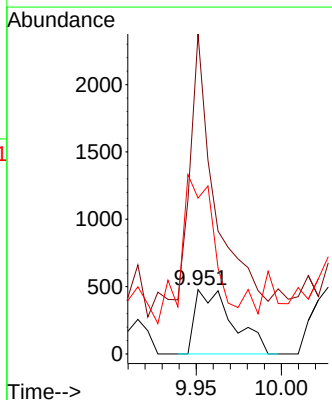
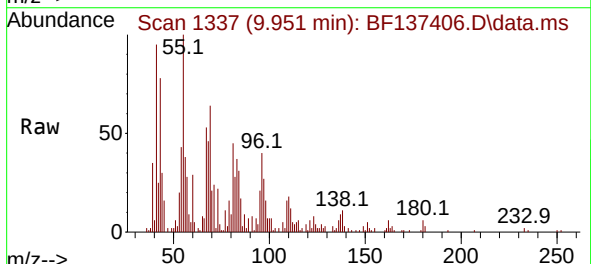
Instrument : BNA_F
ClientSampleId : 20240767-AMENDED-COMP-39N-N-3-02

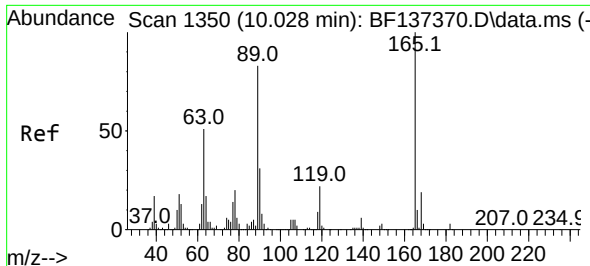
Tgt Ion:138 Resp: 147
Ion Ratio Lower Upper
138 100
108 0.0 8.2 12.2#
92 0.0 102.2 153.2#



#56
4-Nitrophenol
Concen: 4.983 ng
RT: 9.951 min Scan# 1337
Delta R.T. -0.006 min
Lab File: BF137406.D
Acq: 27 Feb 2024 15:46

Tgt Ion:139 Resp: 739
Ion Ratio Lower Upper
139 100
109 497.1 48.0 88.0#
65 242.1 82.2 122.2#

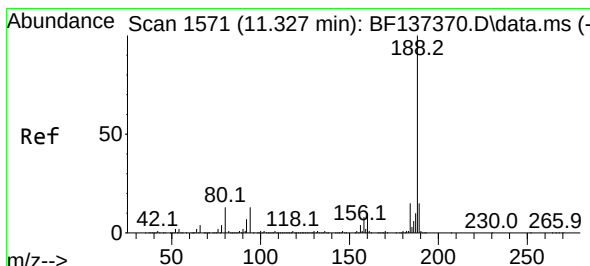
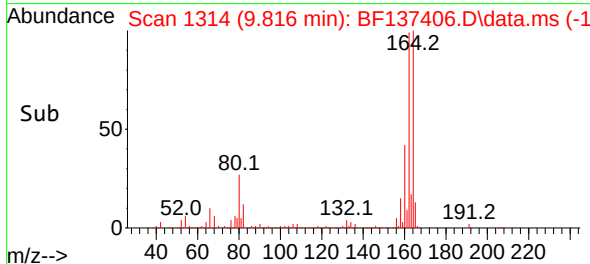
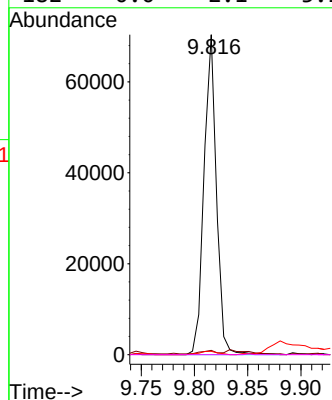
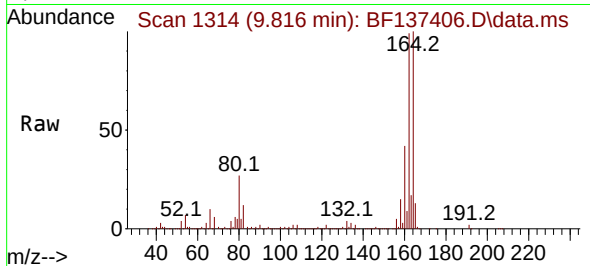




#57
2,4-Dinitrotoluene
Concen: 8.889 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.212 min
Lab File: BF137406.D
Acq: 27 Feb 2024 15:46

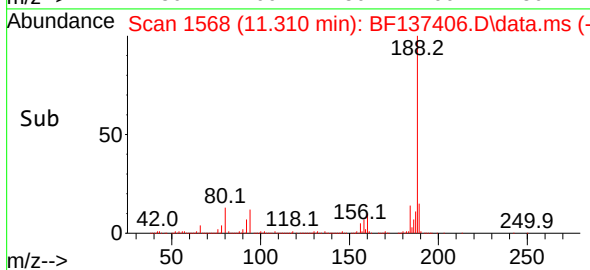
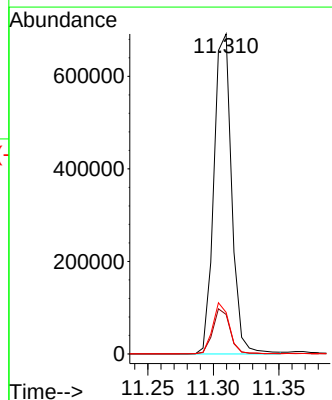
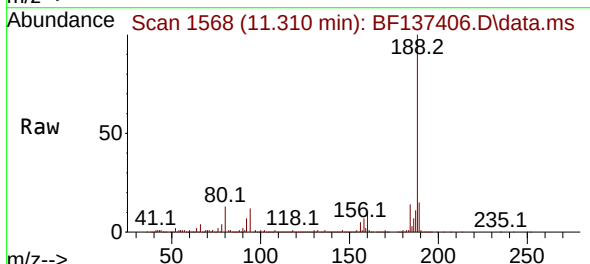
Instrument :
BNA_F
ClientSampleId :
20240767-AMENDED-COMP-39N-N-3-02

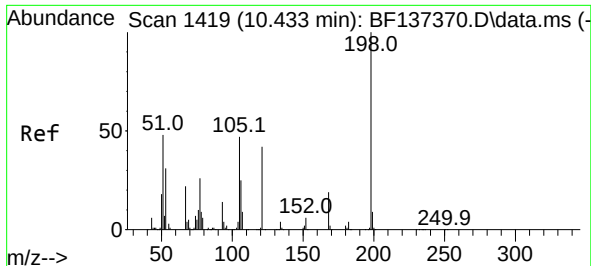
Tgt Ion:165 Resp: 57453
Ion Ratio Lower Upper
165 100
63 1.4 41.1 61.7#
89 1.1 66.6 100.0#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.018 min
Lab File: BF137406.D
Acq: 27 Feb 2024 15:46

Tgt Ion:188 Resp: 652601
Ion Ratio Lower Upper
188 100
94 12.4 10.2 15.2
80 13.0 10.7 16.1





#65

4,6-Dinitro-2-methylphenol

Concen: 4.826 ng

RT: 10.610 min Scan# 1449

Delta R.T. 0.177 min

Lab File: BF137406.D

Acq: 27 Feb 2024 15:46

Instrument :

BNA_F

ClientSampleId :

20240767-AMENDED-COMP-39N-N-3-02

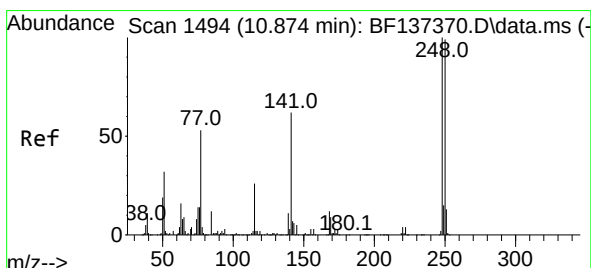
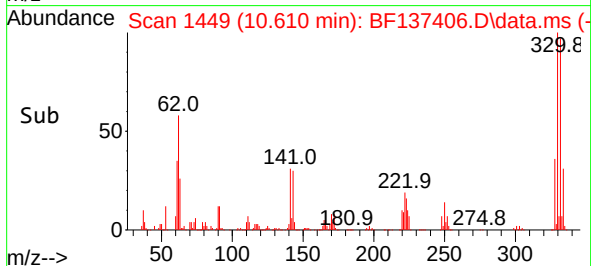
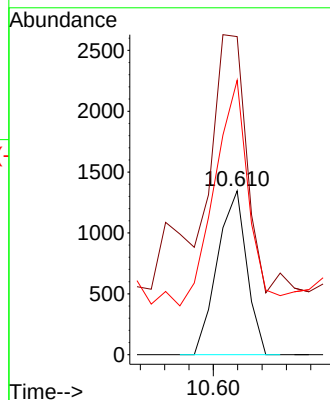
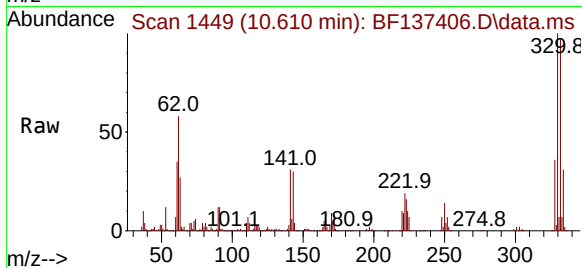
Tgt Ion:198 Resp: 1127

Ion Ratio Lower Upper

198 100

51 194.1 36.8 76.8#

105 167.5 28.5 68.5#



#67

4-Bromophenyl-phenylether

Concen: 4.097 ng

RT: 10.610 min Scan# 1449

Delta R.T. -0.265 min

Lab File: BF137406.D

Acq: 27 Feb 2024 15:46

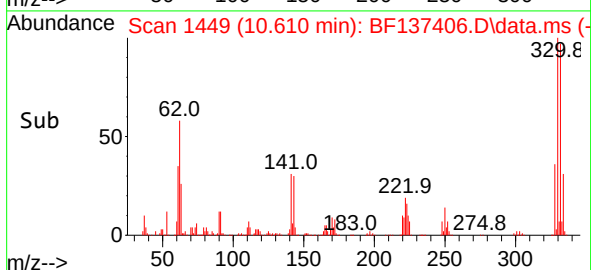
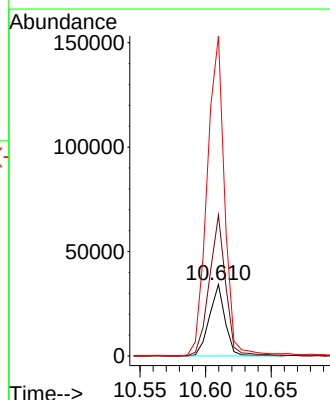
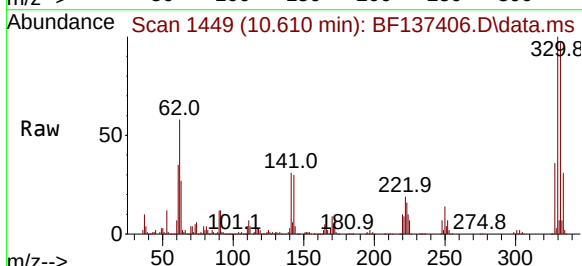
Tgt Ion:248 Resp: 28742

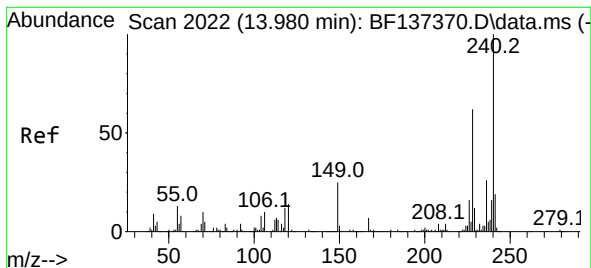
Ion Ratio Lower Upper

248 100

250 197.3 79.0 118.6#

141 447.8 49.9 74.9#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.963 min Scan# 20

Delta R.T. -0.018 min

Lab File: BF137406.D

Acq: 27 Feb 2024 15:46

Instrument :

BNA_F

ClientSampleId :

20240767-AMENDED-COMP-39N-N-3-02

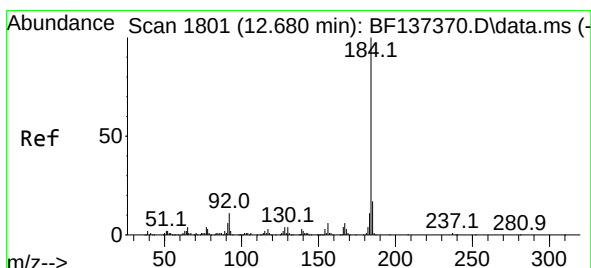
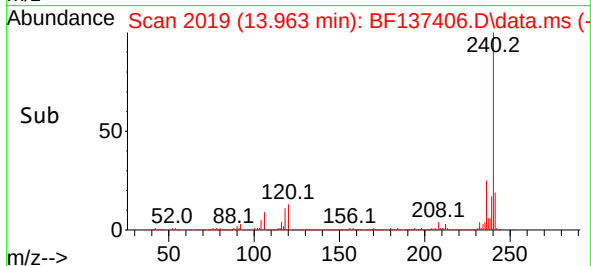
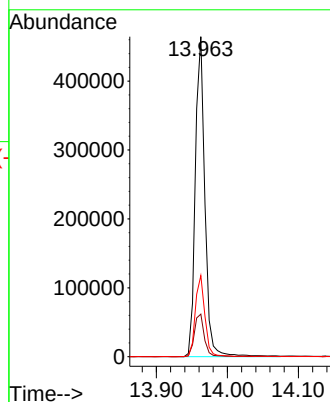
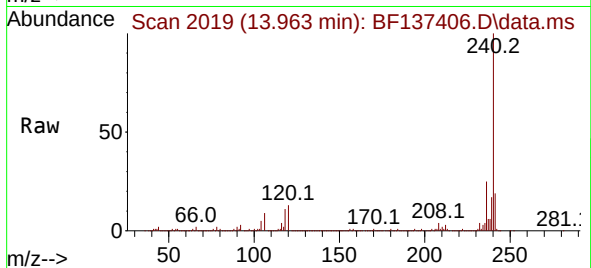
Tgt Ion:240 Resp: 436776

Ion Ratio Lower Upper

240 100

120 13.3 11.3 16.9

236 25.3 20.5 30.7



#77

Benzidine

Concen: 9.710 ng

RT: 12.910 min Scan# 1840

Delta R.T. 0.230 min

Lab File: BF137406.D

Acq: 27 Feb 2024 15:46

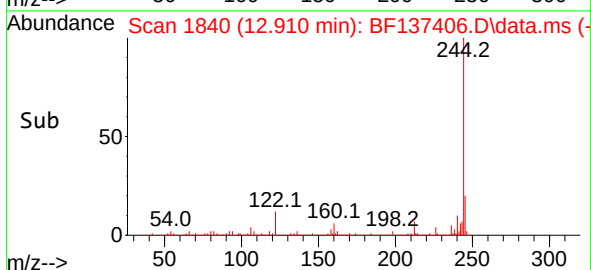
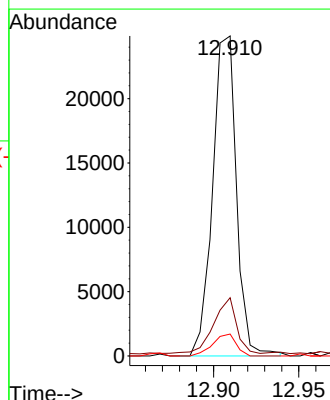
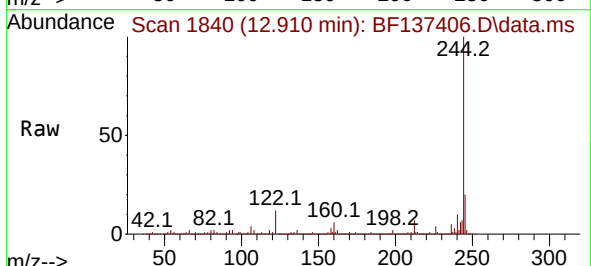
Tgt Ion:184 Resp: 24194

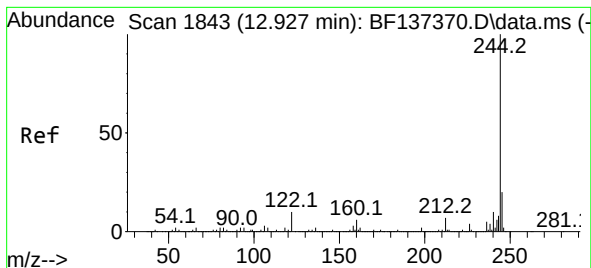
Ion Ratio Lower Upper

184 100

185 18.2 13.7 20.5

183 6.9 8.8 13.2#





#79

Terphenyl-d14

Concen: 61.314 ng

RT: 12.910 min Scan# 1840

Delta R.T. -0.018 min

Lab File: BF137406.D

Acq: 27 Feb 2024 15:46

Instrument :

BNA_F

ClientSampleId :

20240767-AMENDED-COMP-39N-N-3-02

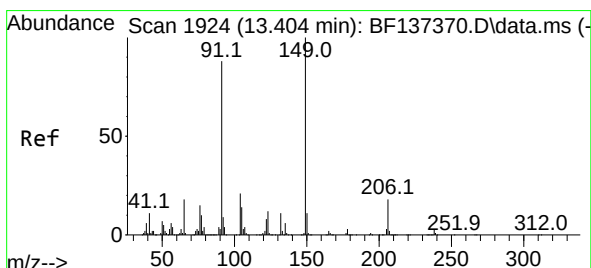
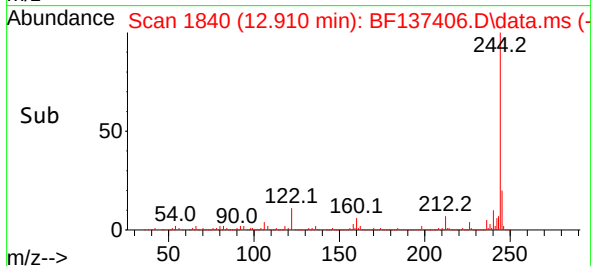
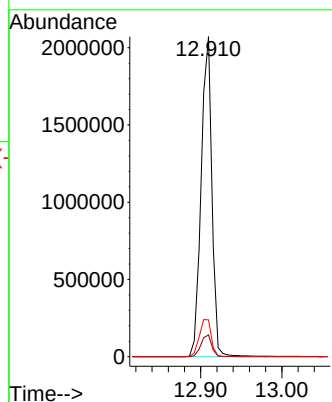
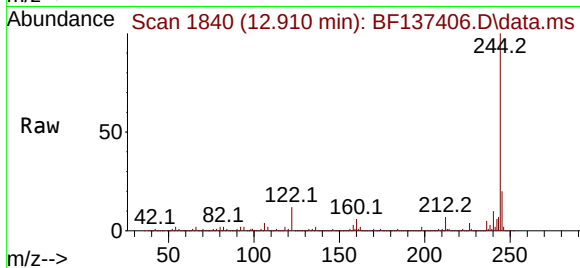
Tgt Ion:244 Resp: 1914708

Ion Ratio Lower Upper

244 100

212 6.8 5.3 7.9

122 11.5 8.2 12.4



#80

Butylbenzylphthalate

Concen: 4.033 ng

RT: 13.398 min Scan# 1923

Delta R.T. -0.006 min

Lab File: BF137406.D

Acq: 27 Feb 2024 15:46

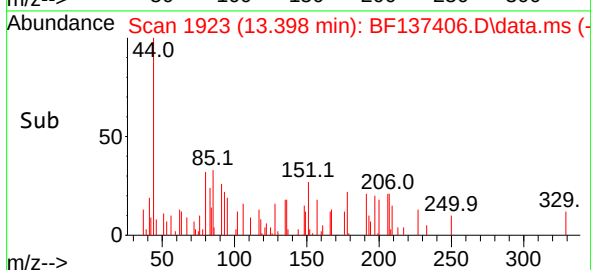
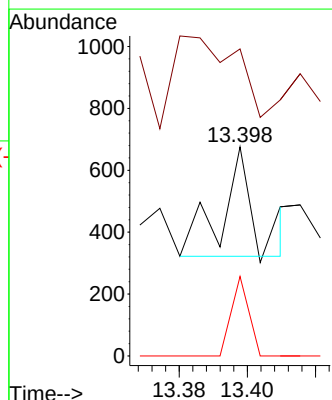
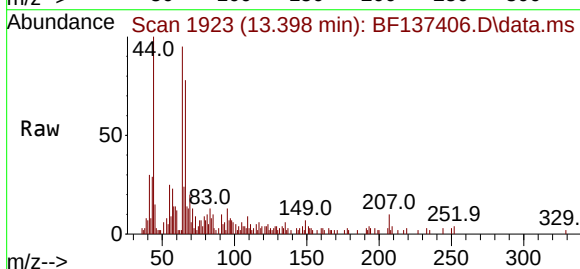
Tgt Ion:149 Resp: 247

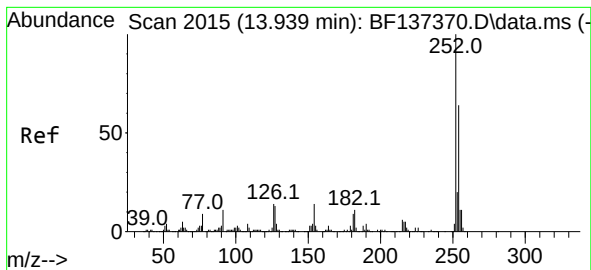
Ion Ratio Lower Upper

149 100

91 146.7 70.5 105.7#

206 38.0 14.8 22.2#

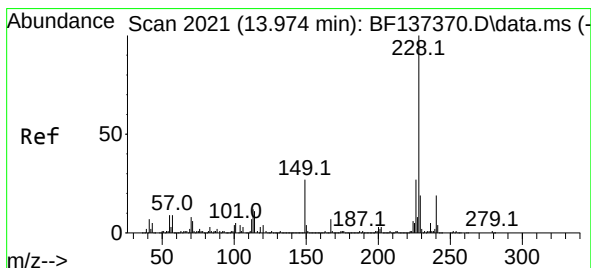
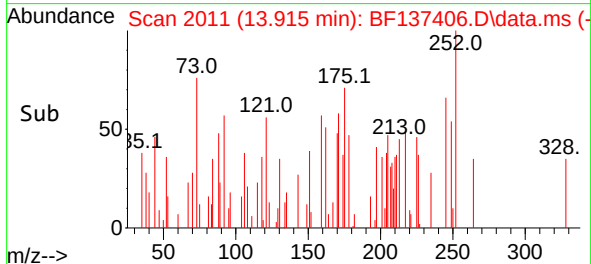
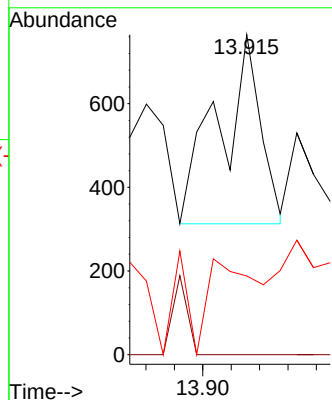
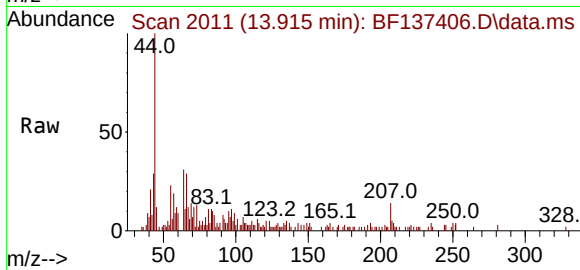




#82
3,3'-Dichlorobenzidine
Concen: 5.092 ng
RT: 13.915 min Scan# 2015
Delta R.T. -0.024 min
Lab File: BF137406.D
Acq: 27 Feb 2024 15:46

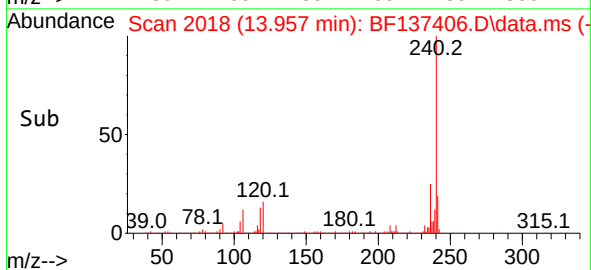
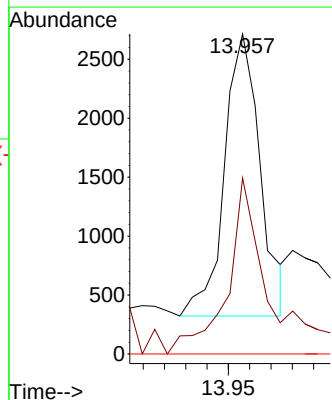
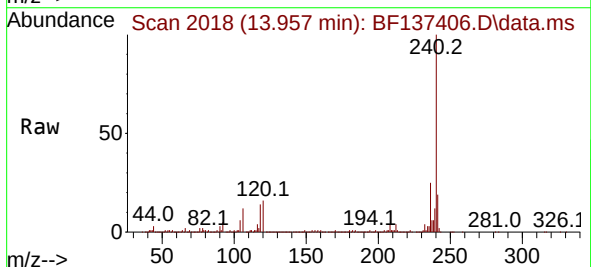
Instrument :
BNA_F
ClientSampleId :
20240767-AMENDED-COMP-39N-N-3-02

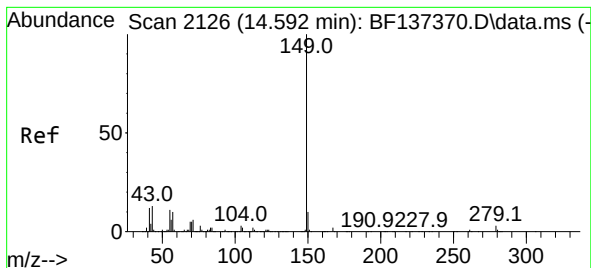
Tgt Ion:252 Resp: 462
Ion Ratio Lower Upper
252 100
254 0.0 51.2 76.8#
126 24.6 11.1 16.7#



#84
Bis(2-ethylhexyl)phthalate
Concen: 4.502 ng
RT: 13.957 min Scan# 2018
Delta R.T. -0.017 min
Lab File: BF137406.D
Acq: 27 Feb 2024 15:46

Tgt Ion:149 Resp: 2802
Ion Ratio Lower Upper
149 100
167 55.0 20.6 31.0#
279 0.0 2.7 4.1#





#85

Di-n-octyl phthalate

Concen: 6.026 ng

RT: 14.551 min Scan# 2119

Delta R.T. -0.041 min

Lab File: BF137406.D

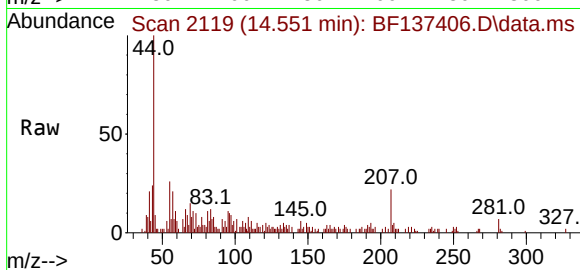
Acq: 27 Feb 2024 15:46

Instrument :

BNA_F

ClientSampleId :

20240767-AMENDED-COMP-39N-N-3-02



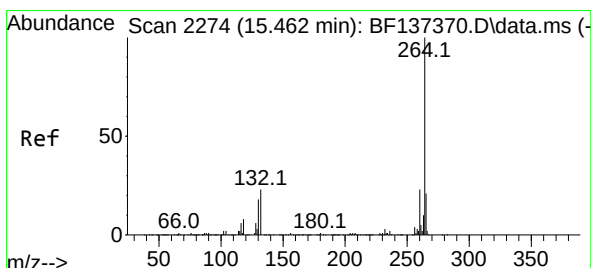
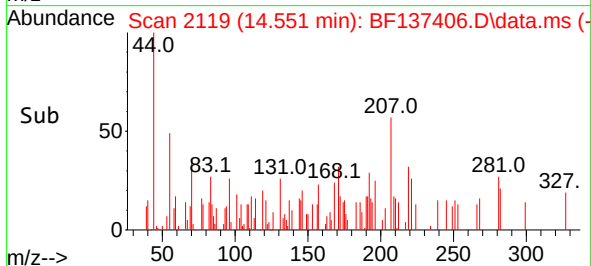
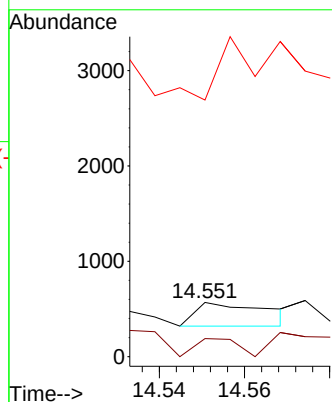
Tgt Ion:149 Resp: 288

Ion Ratio Lower Upper

149 100

167 103.5 1.2 1.8#

43 252.4 13.7 20.5#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.445 min Scan# 2271

Delta R.T. -0.018 min

Lab File: BF137406.D

Acq: 27 Feb 2024 15:46

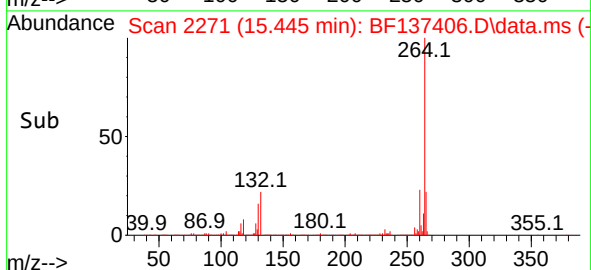
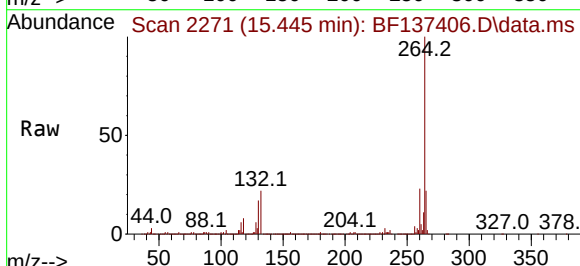
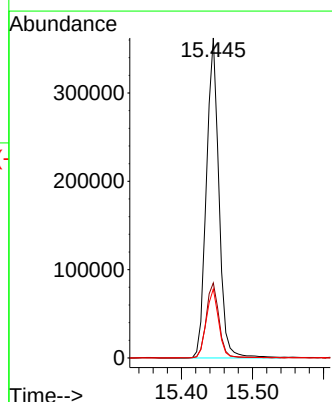
Tgt Ion:264 Resp: 445541

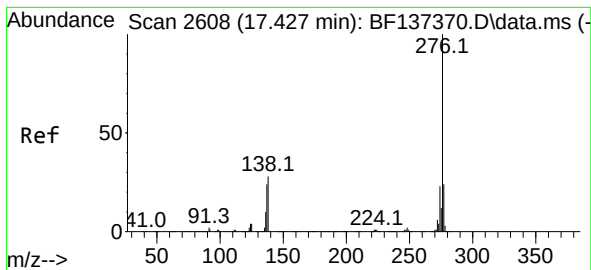
Ion Ratio Lower Upper

264 100

260 23.5 18.5 27.7

265 21.5 16.9 25.3





#92

Benzo(g,h,i)perylene

Concen: 2.073 ng

RT: 17.415 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF137406.D

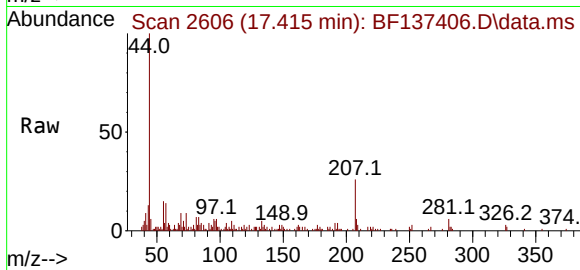
Acq: 27 Feb 2024 15:46

Instrument :

BNA_F

ClientSampleId :

20240767-AMENDED-COMP-39N-N-3-02



Tgt Ion:276 Resp: 109

Ion Ratio Lower Upper

276 100

277 0.0 19.0 28.4#

138 0.0 22.6 33.8#

