

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022624\
 Data File : BF137384.D
 Acq On : 26 Feb 2024 14:37
 Operator : CG\JU
 Sample : P1462-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 20240762-39N-N-FIELD-BLANK-1RE

Quant Time: Feb 26 15:06:02 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)

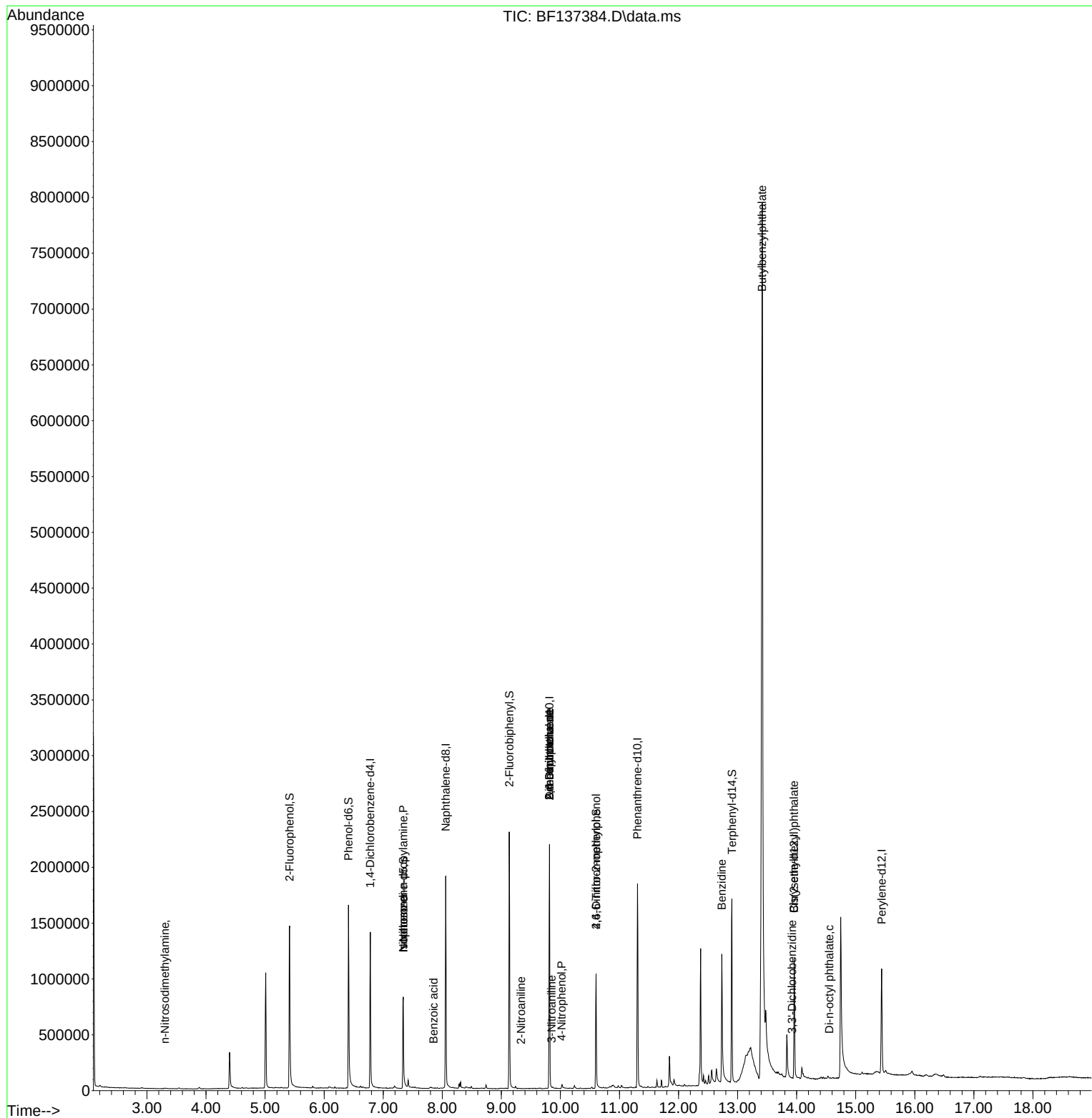
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	199237	20.000	ng	-0.02
21) Naphthalene-d8	8.057	136	811416	20.000	ng	-0.02
39) Acenaphthene-d10	9.816	164	414475	20.000	ng	-0.02
64) Phenanthrene-d10	11.304	188	645595	20.000	ng	-0.02
76) Chrysene-d12	13.957	240	375583	20.000	ng	-0.02
86) Perylene-d12	15.439	264	399936	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	453051	35.087	ng	-0.01
7) Phenol-d6	6.410	99	604755	31.839	ng	-0.03
23) Nitrobenzene-d5	7.340	82	318361	19.588	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	102622	28.433	ng	-0.02
45) 2-Fluorobiphenyl	9.134	172	676410	25.407	ng	-0.02
79) Terphenyl-d14	12.904	244	559659	20.842	ng	-0.02
Target Compounds					Qvalue	
4) n-Nitrosodimethylamine	3.305	42	456	5.167	ng	# 1
19) n-Nitroso-di-n-propyla...	7.340	70	39918	3.410	ng	# 82
25) Isophorone	7.340	82	318268	9.469	ng	# 69
32) Benzoic acid	7.851	122	333	6.988	ng	# 68
48) 2-Nitroaniline	9.334	65	61	4.251	ng	# 9
50) Dimethylphthalate	9.816	163	80688	2.817	ng	# 1
51) 2,6-Dinitrotoluene	9.816	165	55035	10.329	ng	# 26
53) 3-Nitroaniline	9.851	138	62	2.370	ng	# 1
56) 4-Nitrophenol	10.022	139	58	4.850	ng	# 66
57) 2,4-Dinitrotoluene	9.816	165	55035	9.052	ng	# 18
65) 4,6-Dinitro-2-methylph...	10.604	198	235	4.573	ng	# 1
77) Benzidine	12.733	184	2275	7.238	ng	# 79
80) Butylbenzylphthalate	13.416	149	19909	8.727	ng	# 1
82) 3,3'-Dichlorobenzidine	13.922	252	223	5.066	ng	# 17
84) Bis(2-ethylhexyl)phtha...	13.957	149	2147	4.457	ng	# 88
85) Di-n-octyl phthalate	14.551	149	160	6.015	ng	# 9

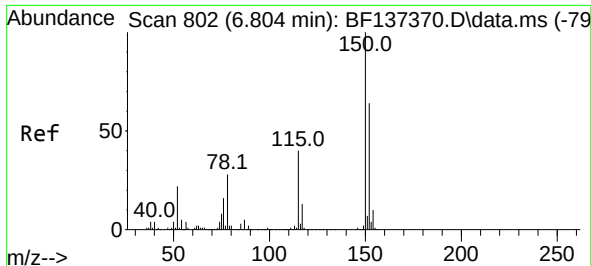
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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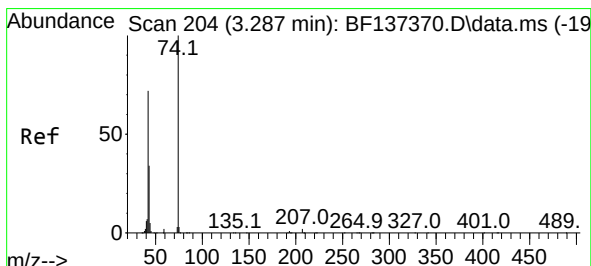
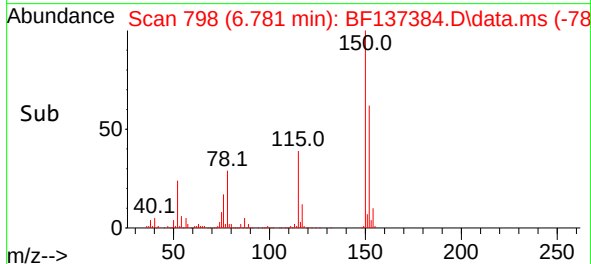
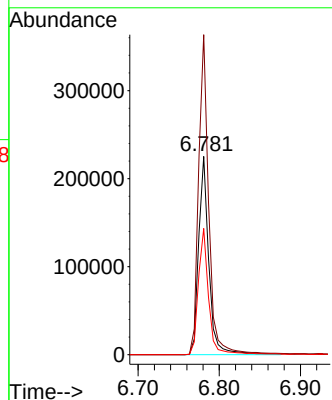
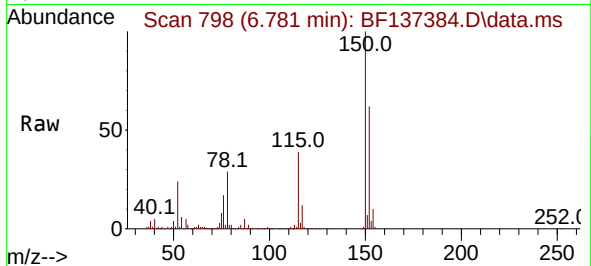




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.023 min
Lab File: BF137384.D
Acq: 26 Feb 2024 14:37

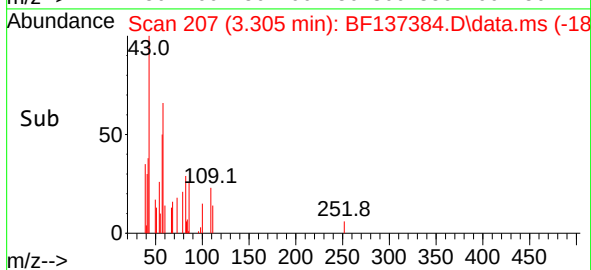
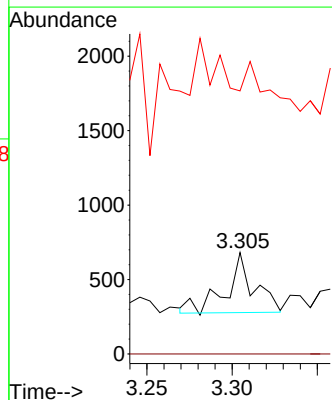
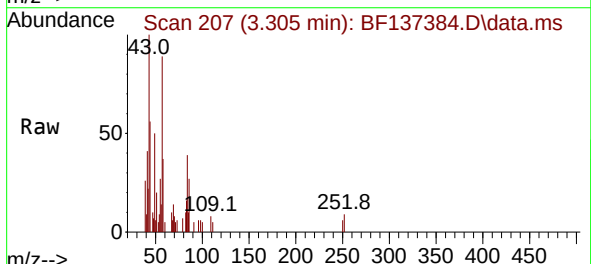
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BNA_F
ClientSampleId :
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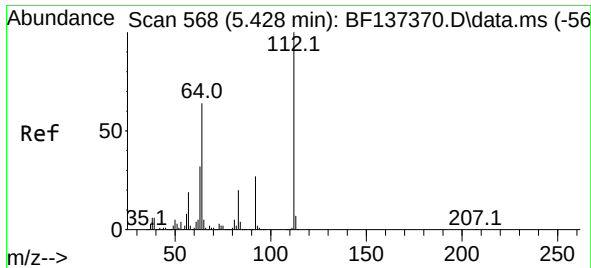
Tgt Ion:152 Resp: 199237
Ion Ratio Lower Upper
152 100
150 161.4 125.7 188.5
115 63.7 49.8 74.8



#4
n-Nitrosodimethylamine
Concen: 5.167 ng
RT: 3.305 min Scan# 207
Delta R.T. 0.018 min
Lab File: BF137384.D
Acq: 26 Feb 2024 14:37

Tgt Ion: 42 Resp: 456
Ion Ratio Lower Upper
42 100
74 0.0 110.8 166.2#
44 259.1 6.0 9.0#

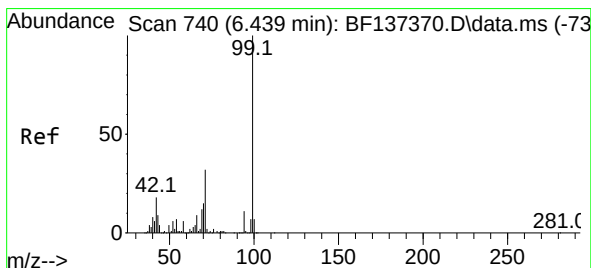
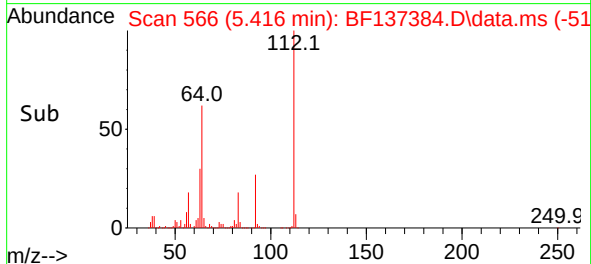
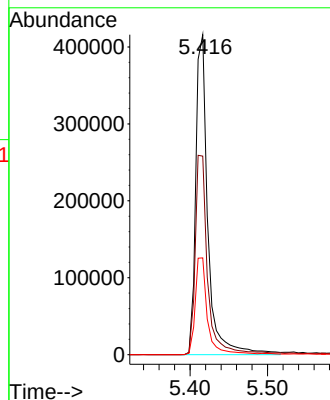
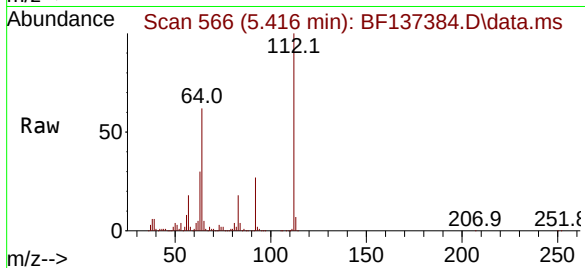




#5
2-Fluorophenol
Concen: 35.087 ng
RT: 5.416 min Scan# 501
Delta R.T. -0.012 min
Lab File: BF137384.D
Acq: 26 Feb 2024 14:37

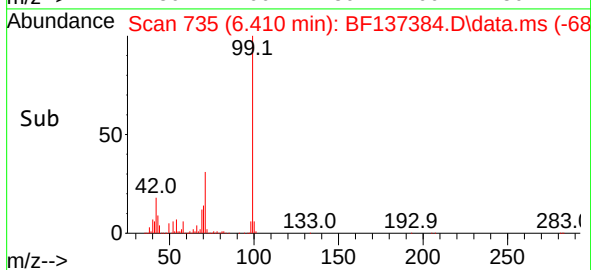
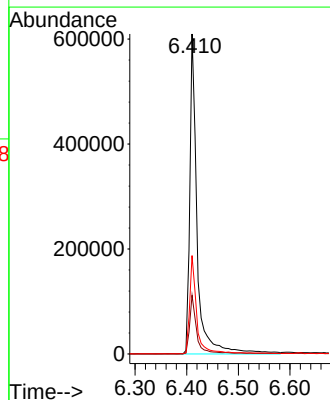
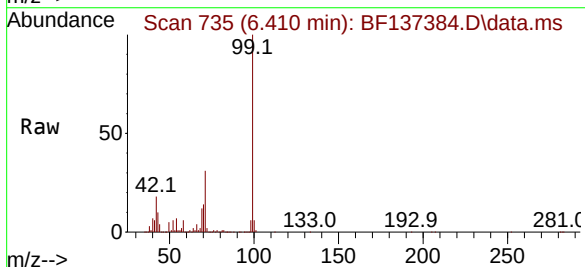
Instrument :
BNA_F
ClientSampleId :
20240762-39N-N-FIELD-BLANK-1RE

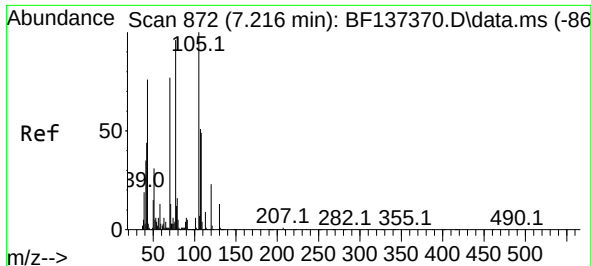
Tgt Ion:112 Resp: 453051
Ion Ratio Lower Upper
112 100
64 62.0 51.0 76.6
63 30.2 25.7 38.5



#7
Phenol-d6
Concen: 31.839 ng
RT: 6.410 min Scan# 735
Delta R.T. -0.029 min
Lab File: BF137384.D
Acq: 26 Feb 2024 14:37

Tgt Ion: 99 Resp: 604755
Ion Ratio Lower Upper
99 100
42 18.4 14.2 21.4
71 30.8 25.2 37.8

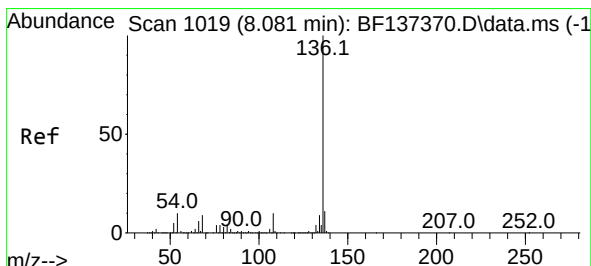
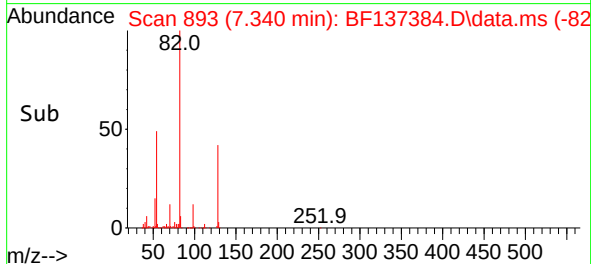
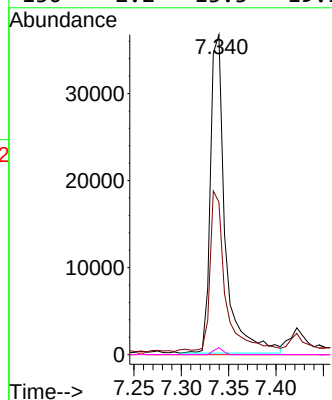
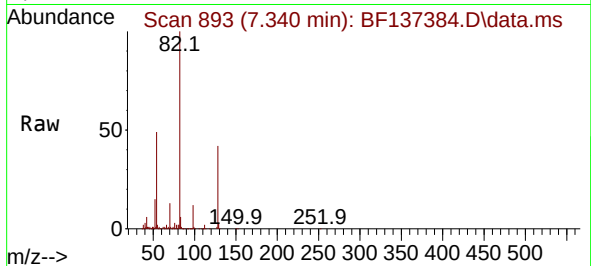




#19
n-Nitroso-di-n-propylamine
Concen: 3.410 ng
RT: 7.340 min Scan# 89
Delta R.T. 0.124 min
Lab File: BF137384.D
Acq: 26 Feb 2024 14:37

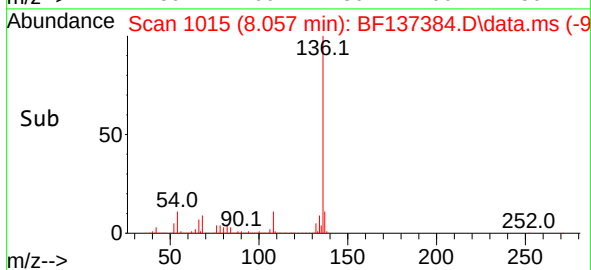
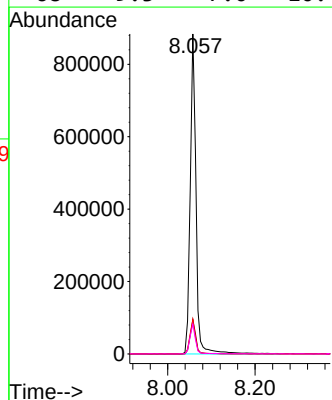
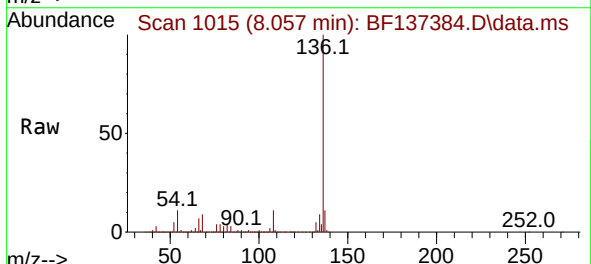
Instrument :
BNA_F
ClientSampleId :
20240762-39N-N-FIELD-BLANK-1RE

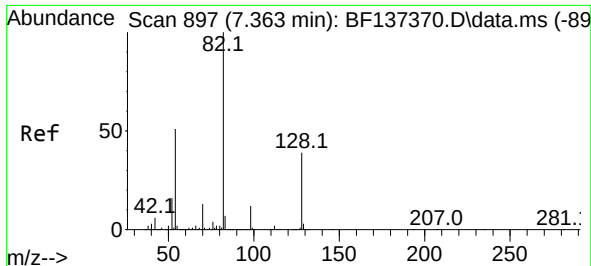
Tgt Ion:	70	Resp:	39918
Ion	Ratio	Lower	Upper
70	100		
42	47.7	45.3	67.9
101	0.0	6.5	9.7#
130	2.2	13.3	19.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.024 min
Lab File: BF137384.D
Acq: 26 Feb 2024 14:37

Tgt Ion:	136	Resp:	811416
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.0	13.4
54	10.8	7.8	11.6
68	9.3	7.0	10.4





#23

Nitrobenzene-d5

Concen: 19.588 ng

RT: 7.340 min Scan# 893

Delta R.T. -0.023 min

Lab File: BF137384.D

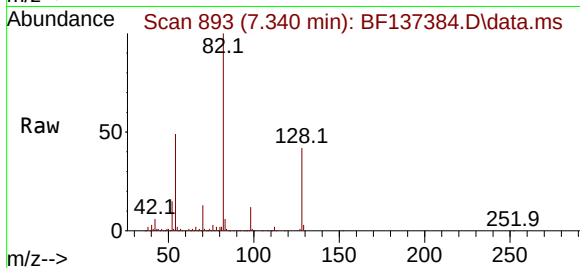
Acq: 26 Feb 2024 14:37

Instrument :

BNA_F

ClientSampleId :

20240762-39N-N-FIELD-BLANK-1RE



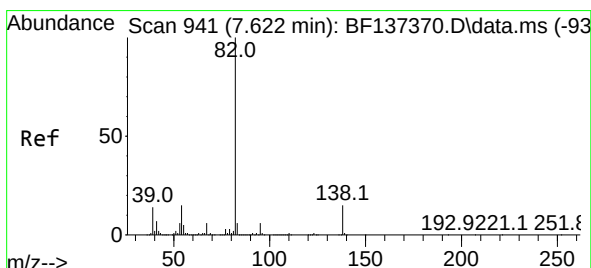
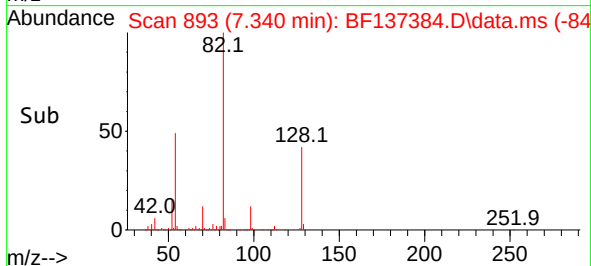
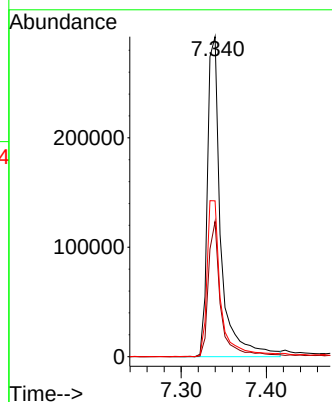
Tgt Ion: 82 Resp: 318361

Ion Ratio Lower Upper

82 100

128 42.2 30.8 46.2

54 48.7 40.8 61.2



#25

Isophorone

Concen: 9.469 ng

RT: 7.340 min Scan# 893

Delta R.T. -0.282 min

Lab File: BF137384.D

Acq: 26 Feb 2024 14:37

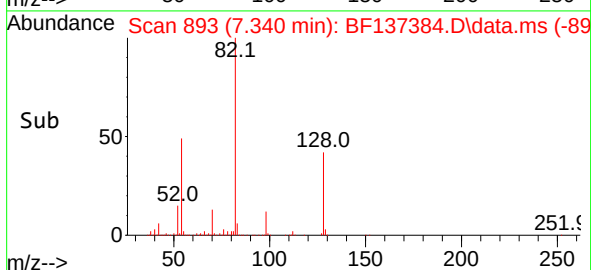
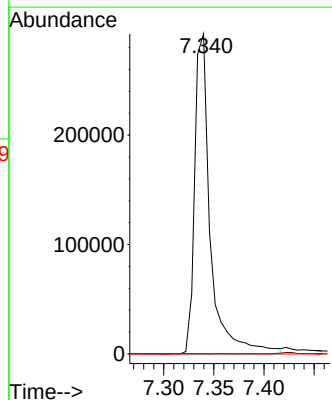
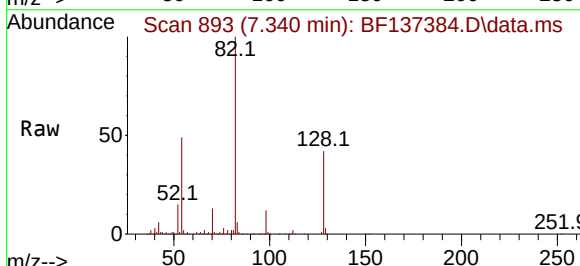
Tgt Ion: 82 Resp: 318268

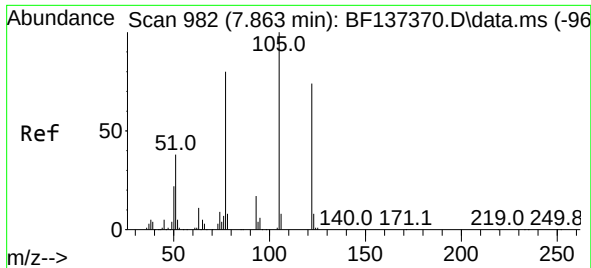
Ion Ratio Lower Upper

82 100

95 0.1 5.1 7.7#

138 0.0 12.2 18.4#

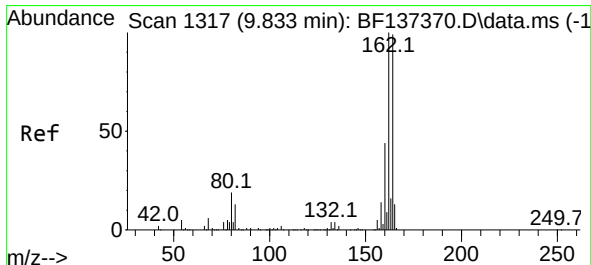
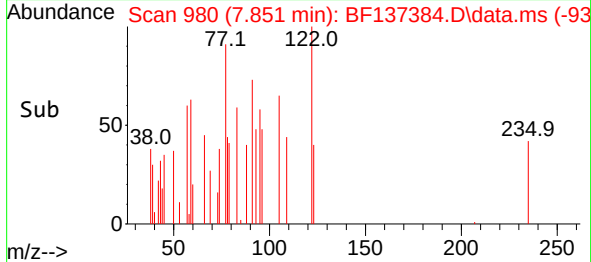
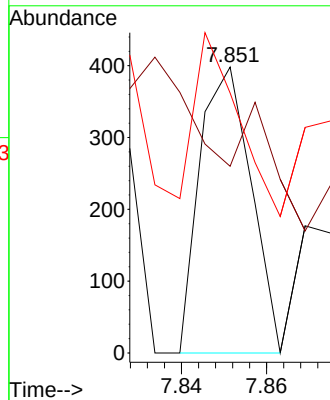
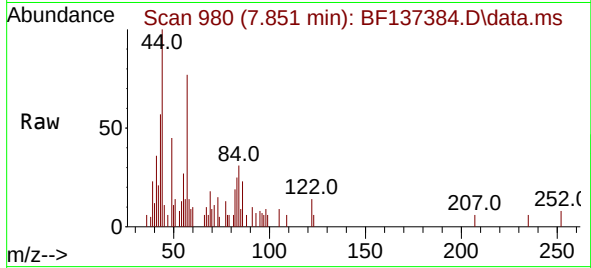




#32
Benzoic acid
Concen: 6.988 ng
RT: 7.851 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF137384.D
Acq: 26 Feb 2024 14:37

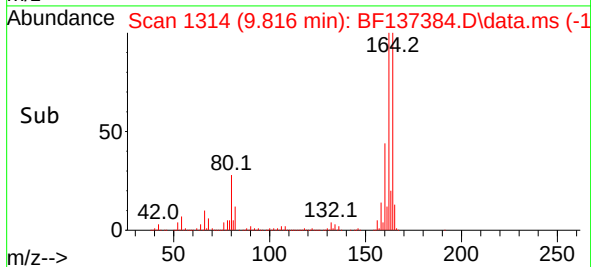
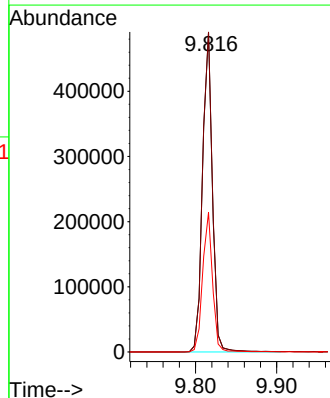
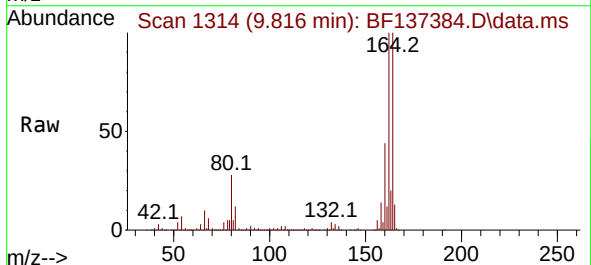
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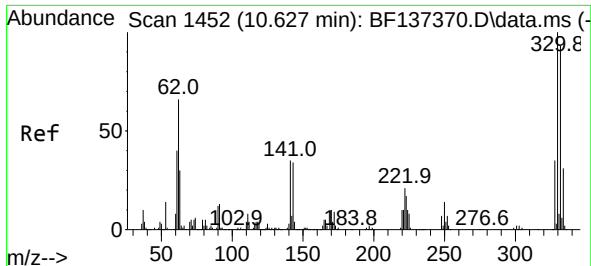
Tgt Ion:122 Resp: 333
Ion Ratio Lower Upper
122 100
105 65.3 101.1 141.1#
77 91.0 82.8 122.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.017 min
Lab File: BF137384.D
Acq: 26 Feb 2024 14:37

Tgt Ion:164 Resp: 414475
Ion Ratio Lower Upper
164 100
162 100.0 81.2 121.8
160 43.6 35.7 53.5





#42

2,4,6-Tribromophenol

Concen: 28.433 ng

RT: 10.604 min Scan# 1198

Delta R.T. -0.023 min

Lab File: BF137384.D

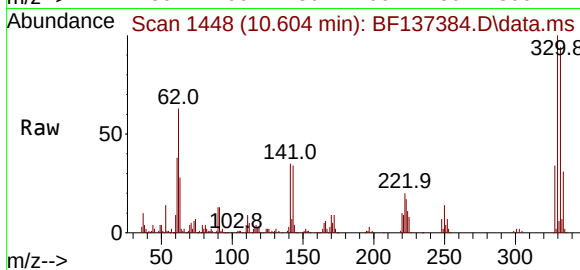
Acq: 26 Feb 2024 14:37

Instrument :

BNA_F

ClientSampleId :

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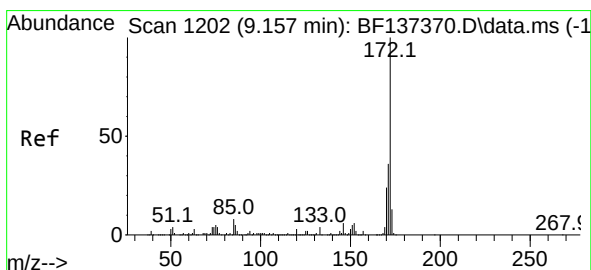
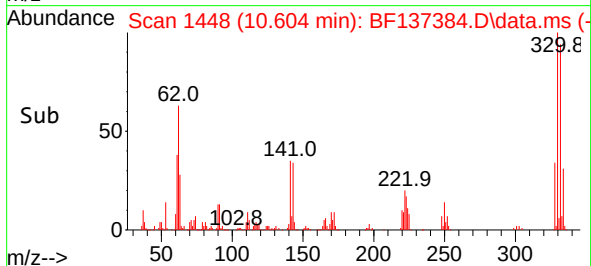
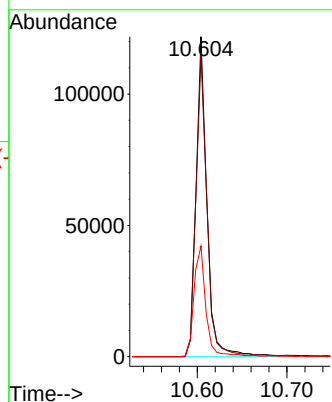
Tgt Ion:330 Resp: 102622

Ion Ratio Lower Upper

330 100

332 96.9 75.6 113.4

141 38.3 28.6 42.8



#45

2-Fluorobiphenyl

Concen: 25.407 ng

RT: 9.134 min Scan# 1198

Delta R.T. -0.023 min

Lab File: BF137384.D

Acq: 26 Feb 2024 14:37

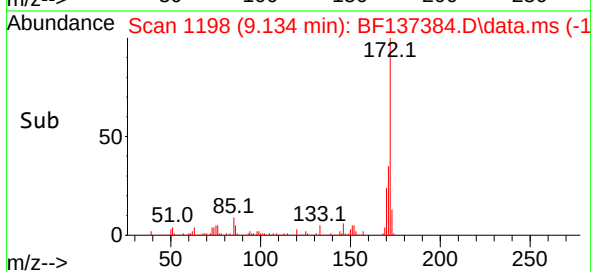
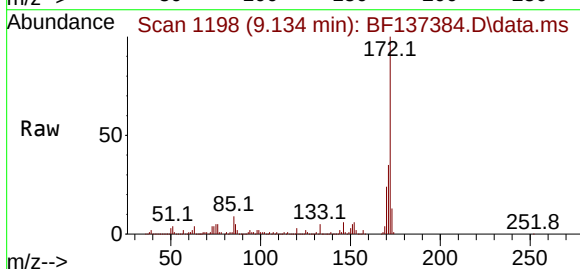
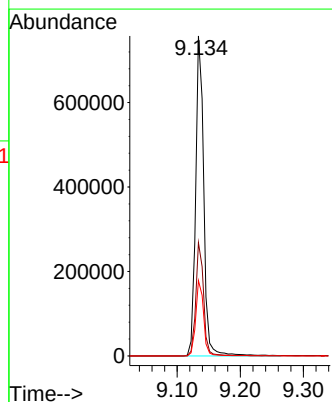
Tgt Ion:172 Resp: 676410

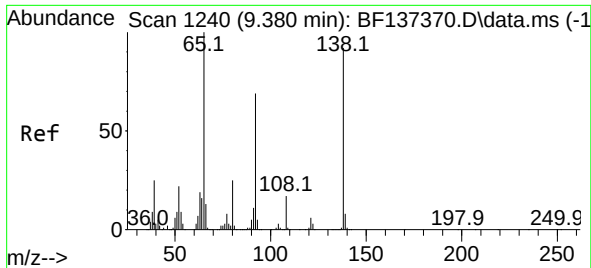
Ion Ratio Lower Upper

172 100

171 35.4 28.7 43.1

170 23.6 19.5 29.3

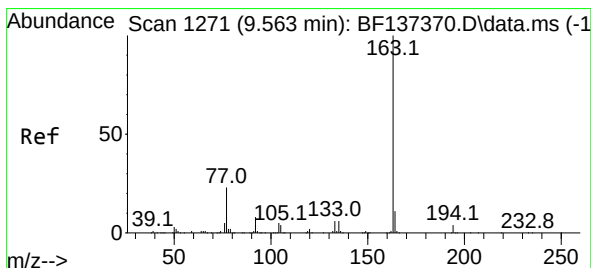
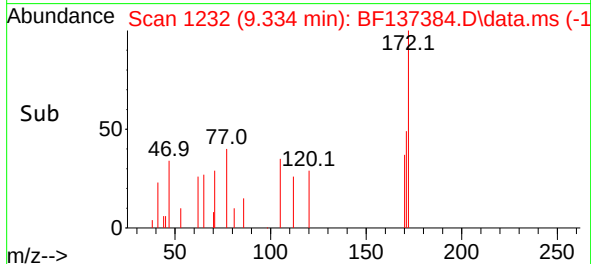
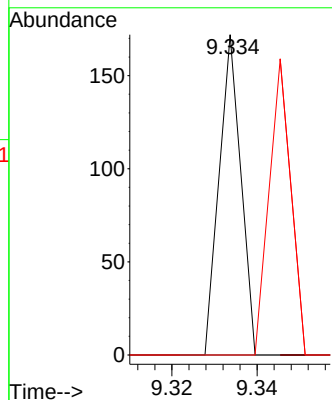
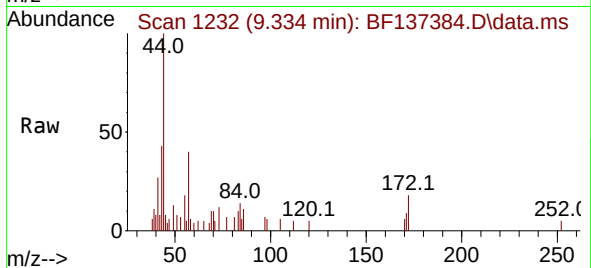




#48
2-Nitroaniline
Concen: 4.251 ng
RT: 9.334 min Scan# 11
Delta R.T. -0.046 min
Lab File: BF137384.D
Acq: 26 Feb 2024 14:37

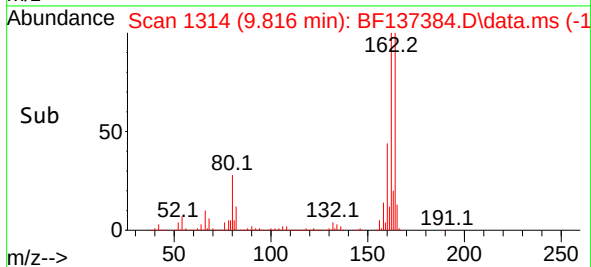
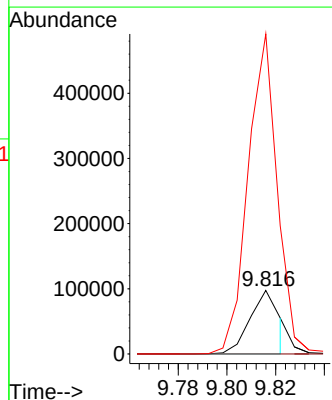
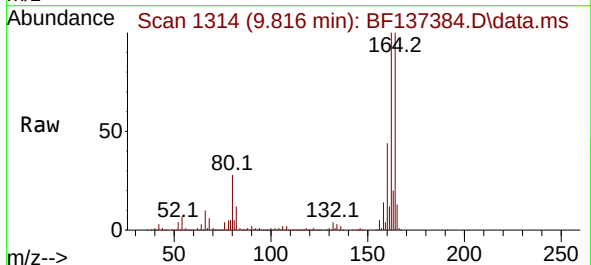
Instrument :
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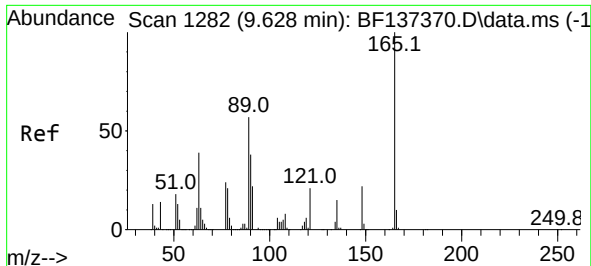
Tgt Ion: 65 Resp: 61
Ion Ratio Lower Upper
65 100
92 0.0 55.0 82.6#
138 0.0 73.7 110.5#



#50
Dimethylphthalate
Concen: 2.817 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.253 min
Lab File: BF137384.D
Acq: 26 Feb 2024 14:37

Tgt Ion: 163 Resp: 80688
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.4#
164 504.3 8.5 12.7#





#51

2,6-Dinitrotoluene

Concen: 10.329 ng

RT: 9.816 min Scan# 11

Delta R.T. 0.188 min

Lab File: BF137384.D

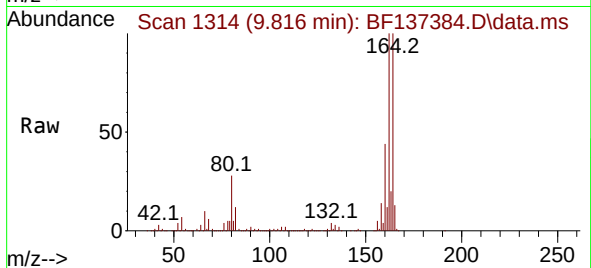
Acq: 26 Feb 2024 14:37

Instrument :

BNA_F

ClientSampleId :

20240762-39N-N-FIELD-BLANK-1RE



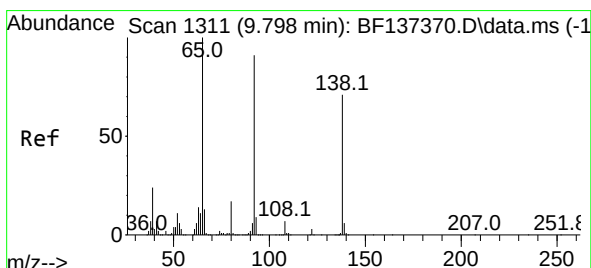
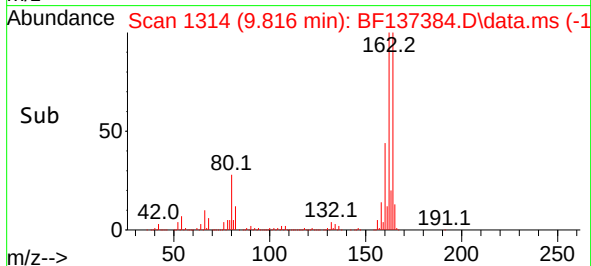
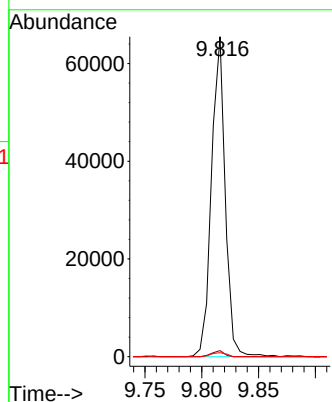
Tgt Ion:165 Resp: 55035

Ion Ratio Lower Upper

165 100

63 1.9 41.6 62.4#

89 1.3 45.8 68.6#



#53

3-Nitroaniline

Concen: 2.370 ng

RT: 9.851 min Scan# 1320

Delta R.T. 0.053 min

Lab File: BF137384.D

Acq: 26 Feb 2024 14:37

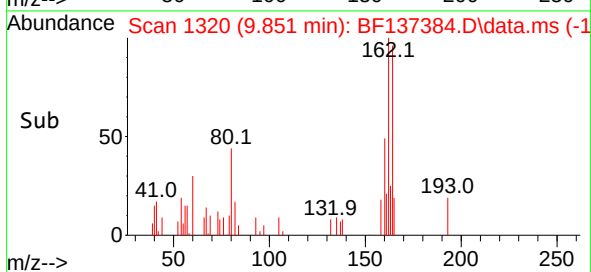
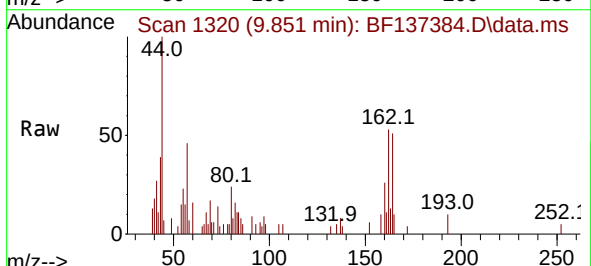
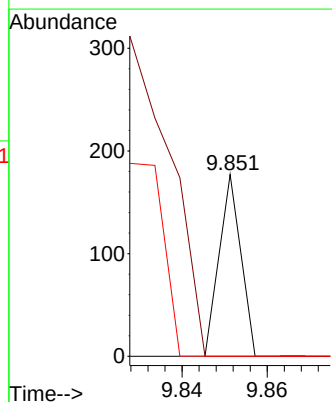
Tgt Ion:138 Resp: 62

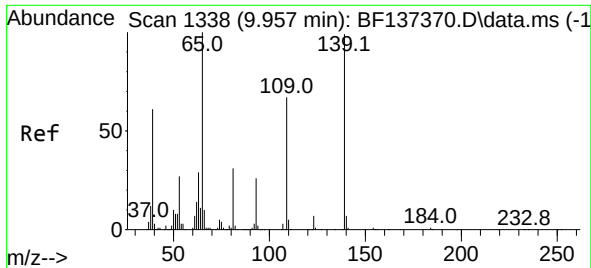
Ion Ratio Lower Upper

138 100

108 0.0 8.2 12.2#

92 0.0 102.2 153.2#

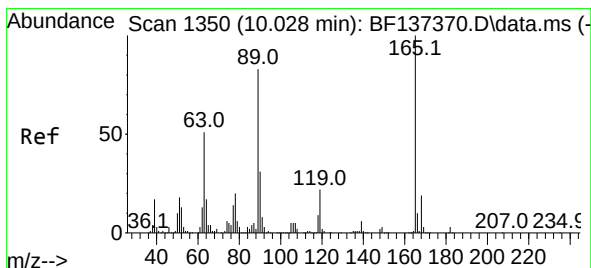
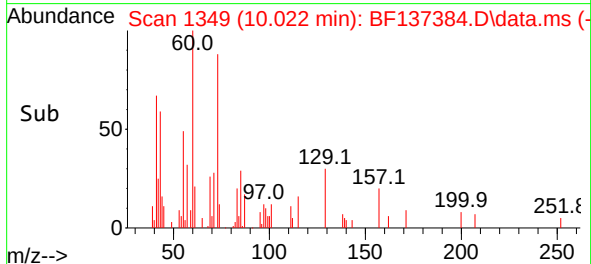
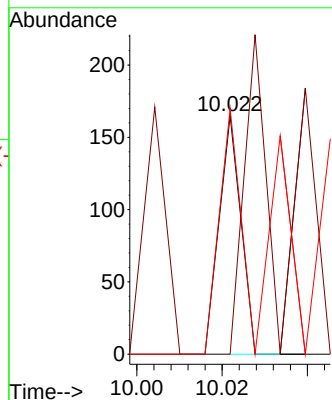
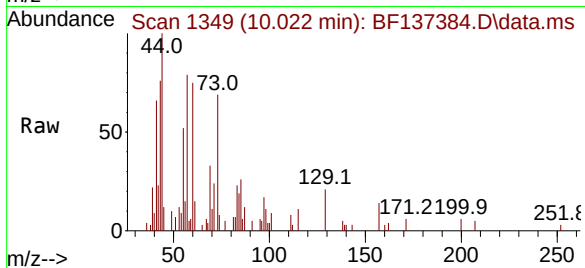




#56
4-Nitrophenol
Concen: 4.850 ng
RT: 10.022 min Scan# 11
Delta R.T. 0.065 min
Lab File: BF137384.D
Acq: 26 Feb 2024 14:37

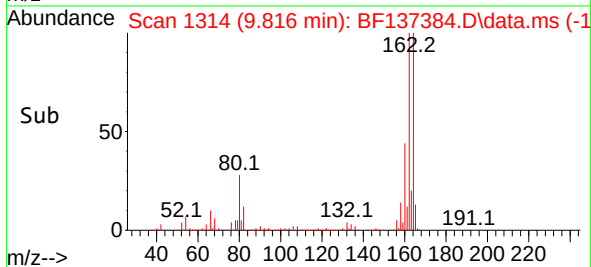
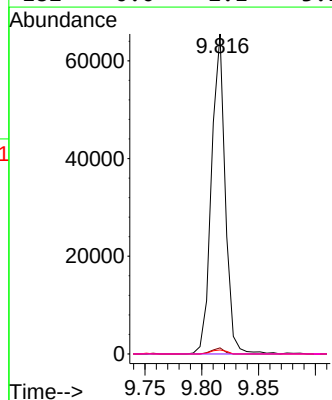
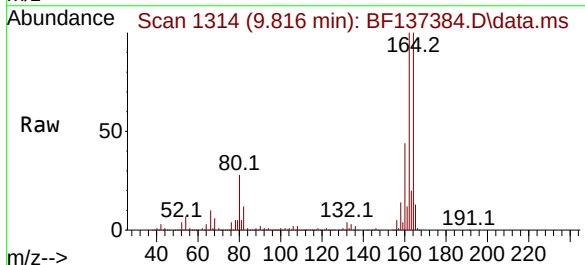
Instrument :
BNA_F
ClientSampleId :
20240762-39N-N-FIELD-BLANK-1RE

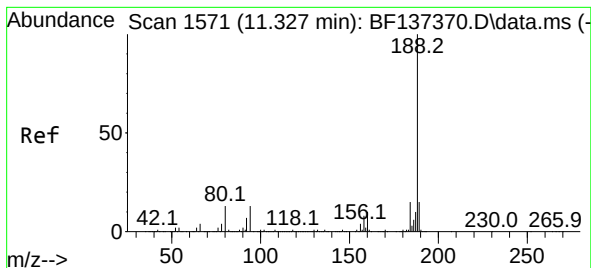
Tgt Ion:139 Resp: 58
Ion Ratio Lower Upper
139 100
109 0.0 48.0 88.0#
65 103.0 82.2 122.2



#57
2,4-Dinitrotoluene
Concen: 9.052 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.212 min
Lab File: BF137384.D
Acq: 26 Feb 2024 14:37

Tgt Ion:165 Resp: 55035
Ion Ratio Lower Upper
165 100
63 1.9 41.1 61.7#
89 1.3 66.6 100.0#
182 0.0 2.1 3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.304 min Scan# 11

Delta R.T. -0.023 min

Lab File: BF137384.D

Acq: 26 Feb 2024 14:37

Instrument :

BNA_F

ClientSampleId :

20240762-39N-N-FIELD-BLANK-1RE

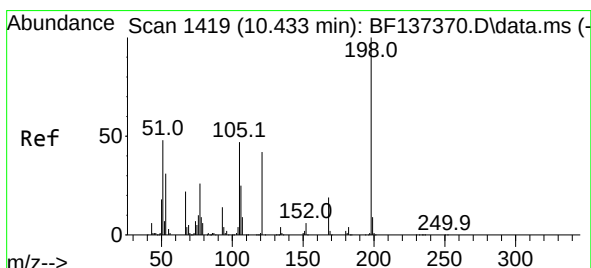
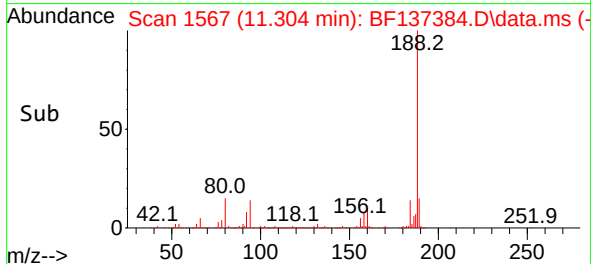
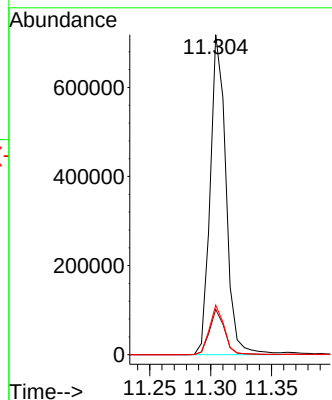
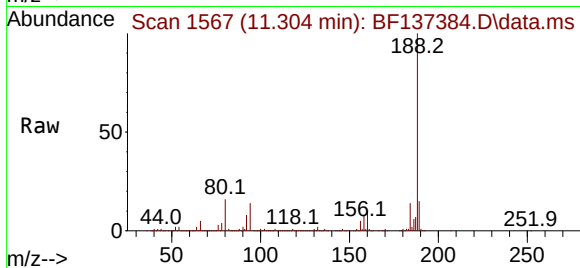
Tgt Ion:188 Resp: 645595

Ion Ratio Lower Upper

188 100

94 14.2 10.2 15.2

80 15.5 10.7 16.1



#65

4,6-Dinitro-2-methylphenol

Concen: 4.573 ng

RT: 10.604 min Scan# 1448

Delta R.T. 0.171 min

Lab File: BF137384.D

Acq: 26 Feb 2024 14:37

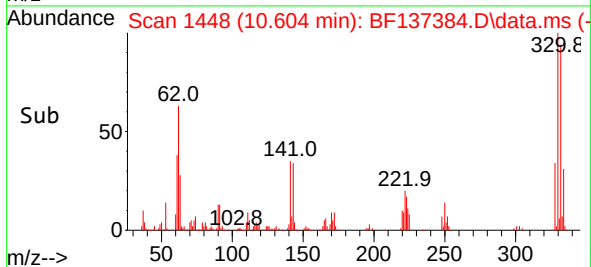
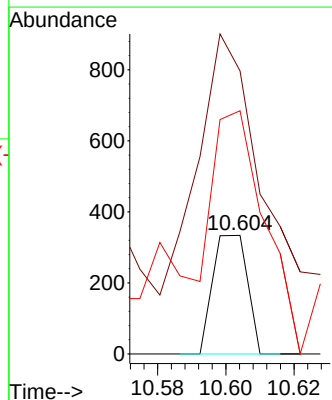
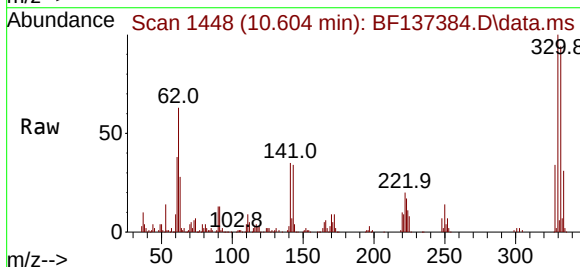
Tgt Ion:198 Resp: 235

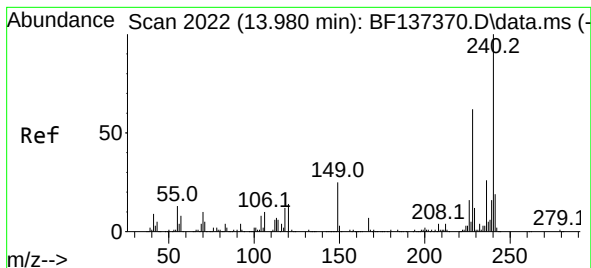
Ion Ratio Lower Upper

198 100

51 238.6 36.8 76.8#

105 205.1 28.5 68.5#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.957 min Scan# 20

Delta R.T. -0.023 min

Lab File: BF137384.D

Acq: 26 Feb 2024 14:37

Instrument :

BNA_F

ClientSampleId :

20240762-39N-N-FIELD-BLANK-1RE

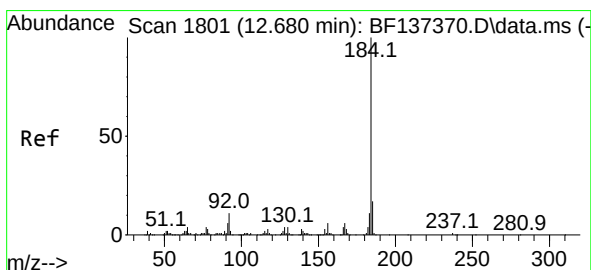
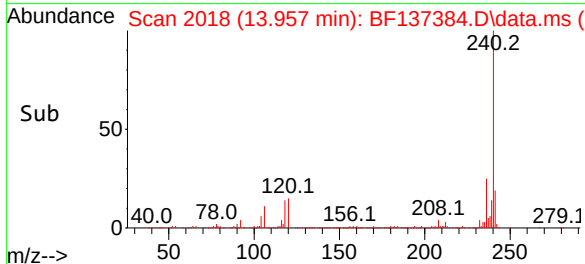
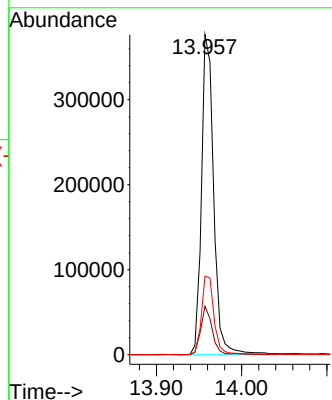
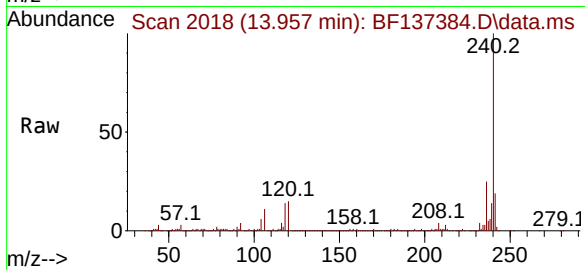
Tgt Ion:240 Resp: 375583

Ion Ratio Lower Upper

240 100

120 15.1 11.3 16.9

236 24.6 20.5 30.7



#77

Benzidine

Concen: 7.238 ng

RT: 12.733 min Scan# 1810

Delta R.T. 0.053 min

Lab File: BF137384.D

Acq: 26 Feb 2024 14:37

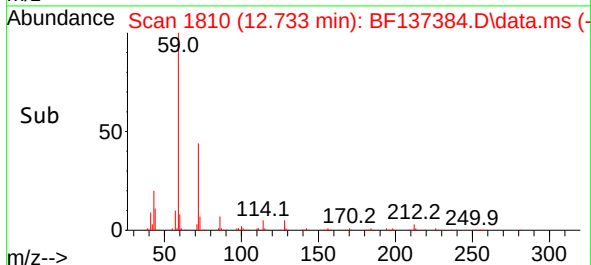
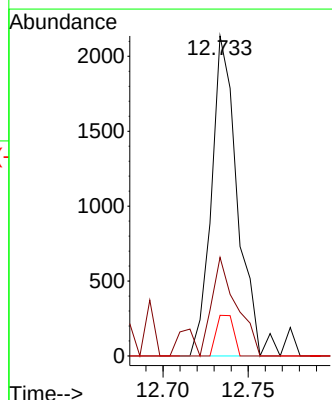
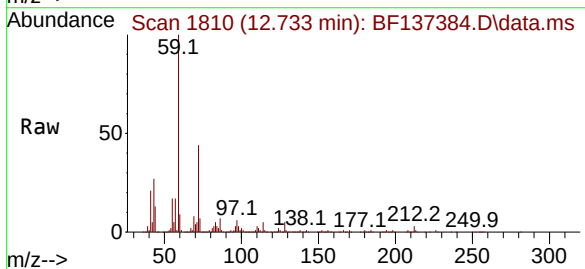
Tgt Ion:184 Resp: 2275

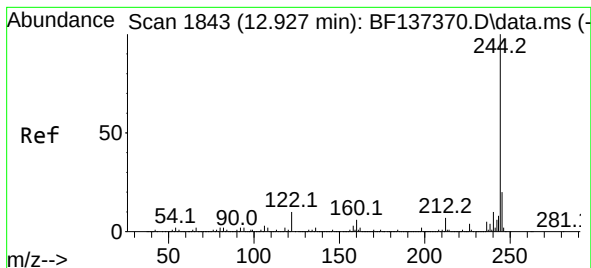
Ion Ratio Lower Upper

184 100

185 30.8 13.7 20.5#

183 12.7 8.8 13.2





#79

Terphenyl-d14

Concen: 20.842 ng

RT: 12.904 min Scan# 1839

Delta R.T. -0.023 min

Lab File: BF137384.D

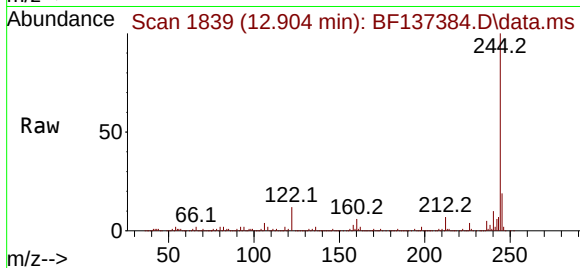
Acq: 26 Feb 2024 14:37

Instrument :

BNA_F

ClientSampleId :

20240762-39N-N-FIELD-BLANK-1RE



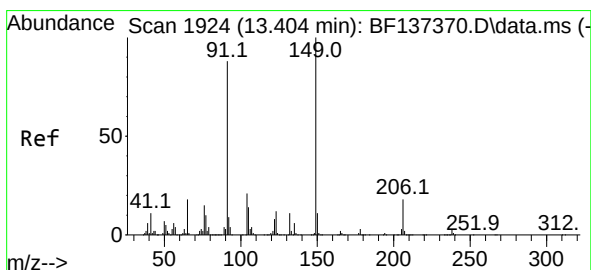
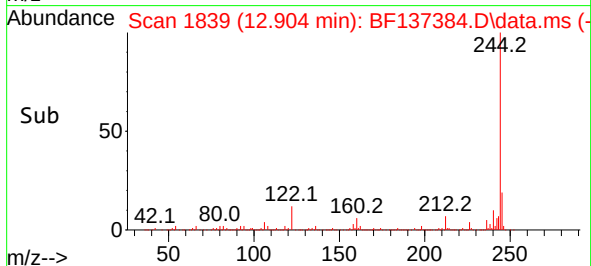
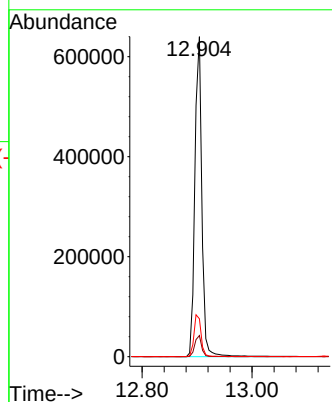
Tgt Ion:244 Resp: 559659

Ion Ratio Lower Upper

244 100

212 6.6 5.3 7.9

122 11.9 8.2 12.4



#80

Butylbenzylphthalate

Concen: 8.727 ng

RT: 13.416 min Scan# 1926

Delta R.T. 0.012 min

Lab File: BF137384.D

Acq: 26 Feb 2024 14:37

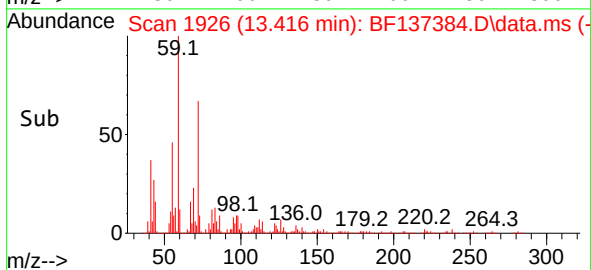
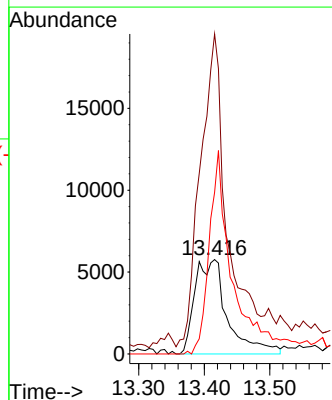
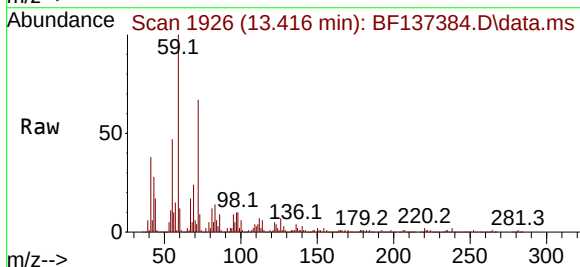
Tgt Ion:149 Resp: 19909

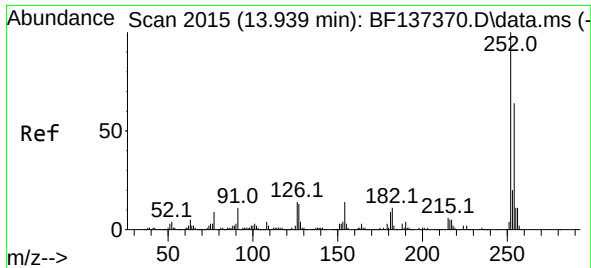
Ion Ratio Lower Upper

149 100

91 339.0 70.5 105.7#

206 171.3 14.8 22.2#

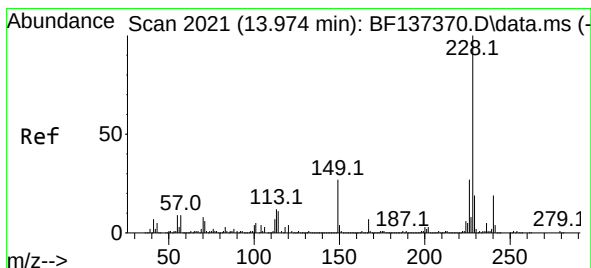
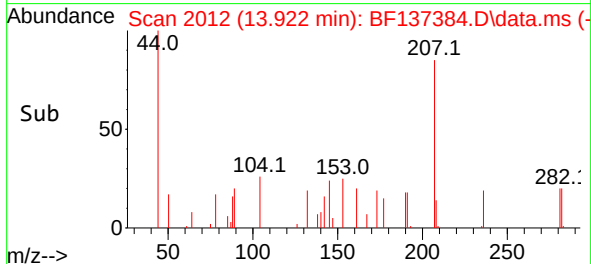
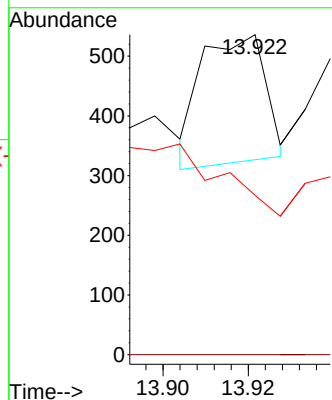
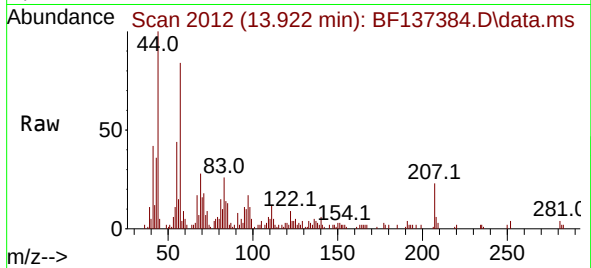




#82
3,3'-Dichlorobenzidine
Concen: 5.066 ng
RT: 13.922 min Scan# 2012
Delta R.T. -0.017 min
Lab File: BF137384.D
Acq: 26 Feb 2024 14:37

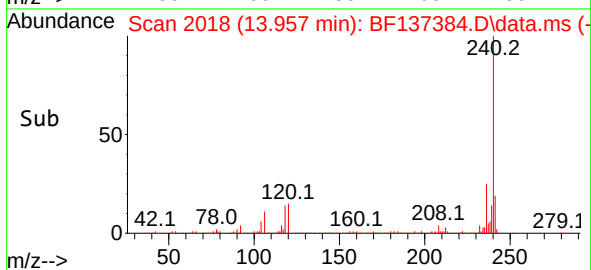
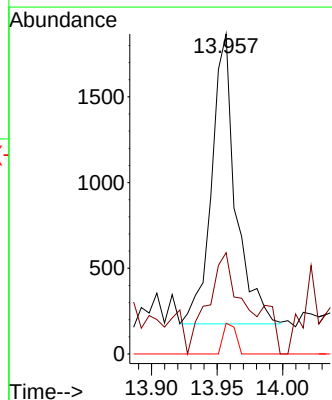
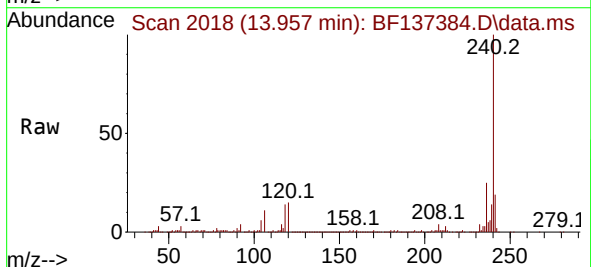
Instrument : BNA_F
ClientSampleId : 20240762-39N-N-FIELD-BLANK-1RE

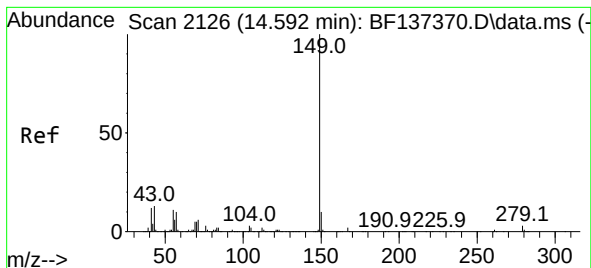
Tgt Ion:252 Resp: 223
Ion Ratio Lower Upper
252 100
254 0.0 51.2 76.8#
126 49.8 11.1 16.7#



#84
Bis(2-ethylhexyl)phthalate
Concen: 4.457 ng
RT: 13.957 min Scan# 2018
Delta R.T. -0.017 min
Lab File: BF137384.D
Acq: 26 Feb 2024 14:37

Tgt Ion:149 Resp: 2147
Ion Ratio Lower Upper
149 100
167 31.7 20.6 31.0#
279 9.6 2.7 4.1#





#85

Di-n-octyl phthalate

Concen: 6.015 ng

RT: 14.551 min Scan# 21

Delta R.T. -0.041 min

Lab File: BF137384.D

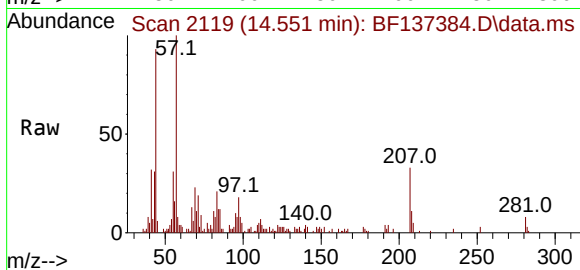
Acq: 26 Feb 2024 14:37

Instrument :

BNA_F

ClientSampleId :

20240762-39N-N-FIELD-BLANK-1RE



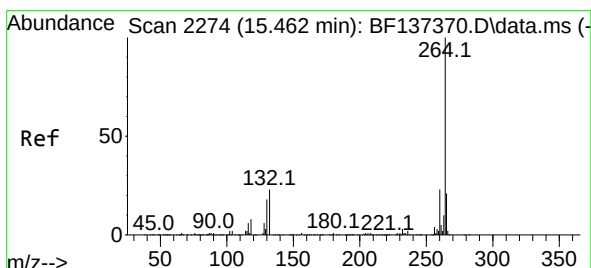
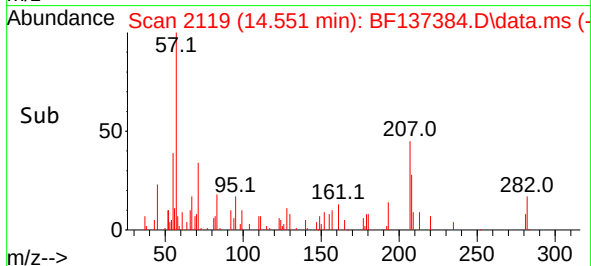
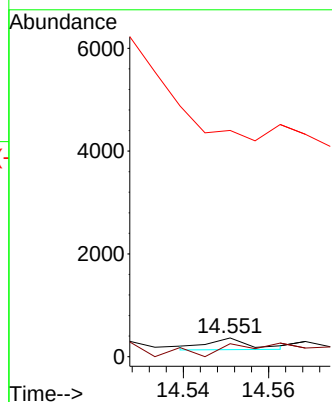
Tgt Ion:149 Resp: 160

Ion Ratio Lower Upper

149 100

167 261.9 1.2 1.8#

43 0.0 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: BF137384.D

Acq: 26 Feb 2024 14:37

Tgt Ion:264 Resp: 399936

Ion Ratio Lower Upper

264 100

260 23.2 18.5 27.7

265 21.5 16.9 25.3

