

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022624\
 Data File : BF137387.D
 Acq On : 26 Feb 2024 16:06
 Operator : CG\JU
 Sample : P1538-06
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 26 16:40:56 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)

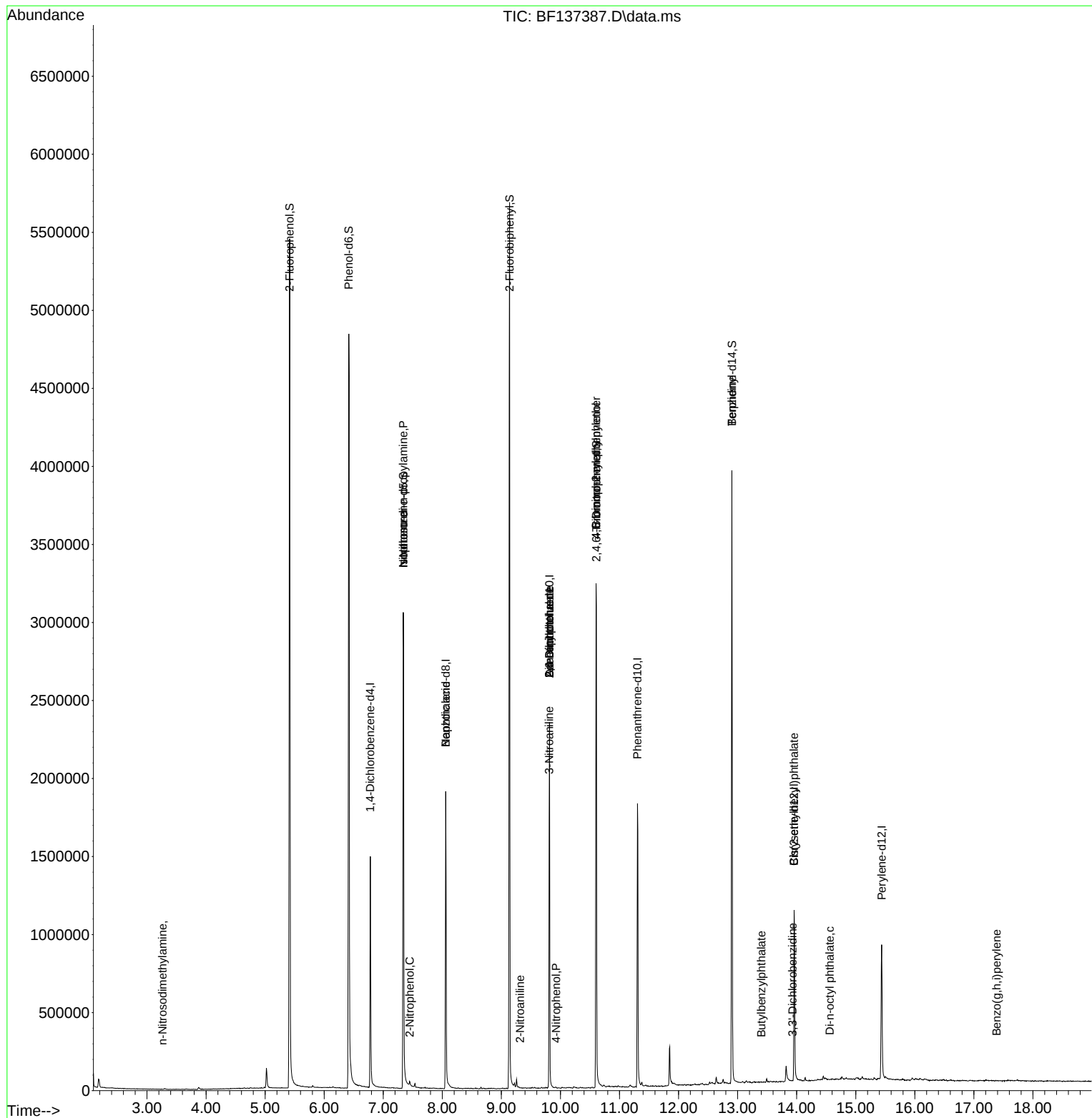
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	211202	20.000	ng	-0.02
21) Naphthalene-d8	8.057	136	841126	20.000	ng	-0.02
39) Acenaphthene-d10	9.816	164	444419	20.000	ng	-0.02
64) Phenanthrene-d10	11.304	188	697610	20.000	ng	-0.02
76) Chrysene-d12	13.957	240	388497	20.000	ng	-0.02
86) Perylene-d12	15.439	264	408219	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	1515547	110.725	ng	-0.01
7) Phenol-d6	6.416	99	2087142	103.660	ng	-0.02
23) Nitrobenzene-d5	7.339	82	1154378	68.517	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	387001	100.000	ng	-0.02
45) 2-Fluorobiphenyl	9.139	172	1703119	59.662	ng	-0.02
79) Terphenyl-d14	12.904	244	1306175	47.025	ng	-0.02
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.263	42	538	5.174	ng	# 1
19) n-Nitroso-di-n-propyla...	7.339	70	149784	12.072	ng	# 83
25) Isophorone	7.339	82	1154283	33.130	ng	# 69
26) 2-Nitrophenol	7.451	139	151	2.924	ng	# 33
32) Benzoic acid	8.057	122	197	6.972	ng	# 1
48) 2-Nitroaniline	9.316	65	156	4.262	ng	# 9
50) Dimethylphthalate	9.816	163	74614	2.430	ng	# 1
51) 2,6-Dinitrotoluene	9.816	165	57333	10.035	ng	# 25
53) 3-Nitroaniline	9.810	138	116	2.377	ng	# 1
56) 4-Nitrophenol	9.928	139	55	4.849	ng	# 6
57) 2,4-Dinitrotoluene	9.816	165	57333	8.825	ng	# 17
65) 4,6-Dinitro-2-methylph...	10.604	198	904	4.746	ng	# 1
67) 4-Bromophenyl-phenylether	10.604	248	27211	3.628	ng	# 1
77) Benzidine	12.904	184	16187	9.022	ng	# 95
80) Butylbenzylphthalate	13.404	149	317	4.056	ng	# 70
82) 3,3'-Dichlorobenzidine	13.933	252	201	5.062	ng	# 1
84) Bis(2-ethylhexyl)phtha...	13.957	149	1486	4.334	ng	# 71
85) Di-n-octyl phthalate	14.563	149	124	6.009	ng	# 1
92) Benzo(g,h,i)perylene	17.386	276	1711	2.138	ng	# 81

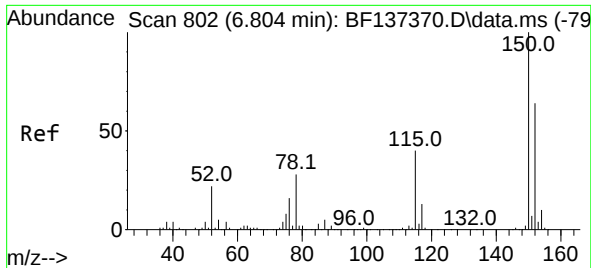
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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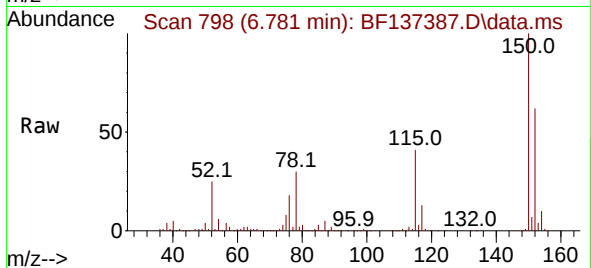
Quant Time: Feb 26 16:40:56 2024
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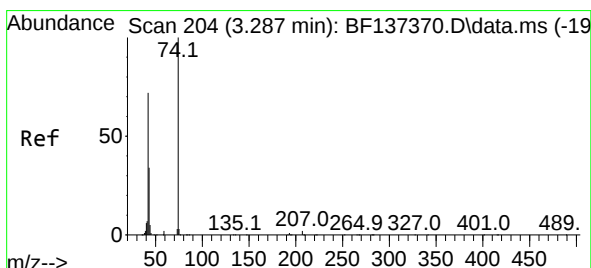
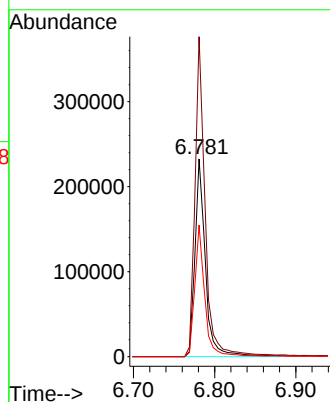
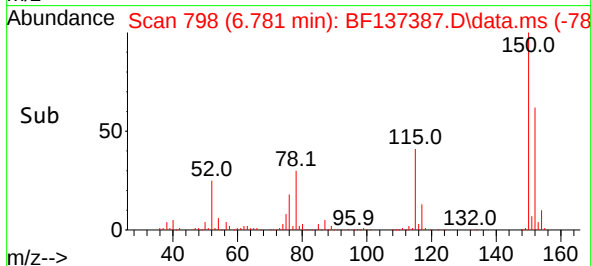


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.023 min
Lab File: BF137387.D
Acq: 26 Feb 2024 16:06

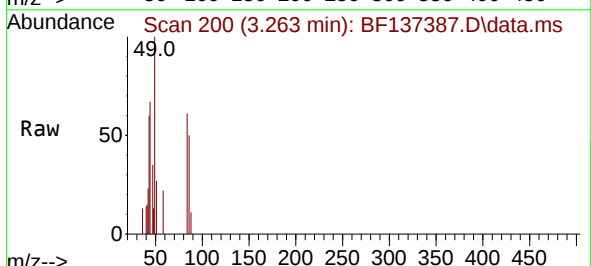
Instrument :
BNA_F
ClientSampleId :



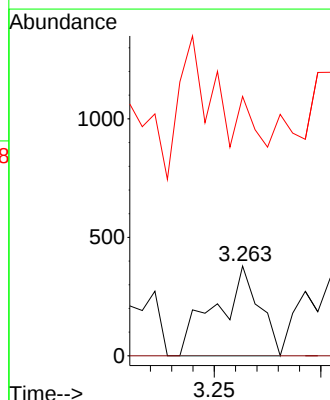
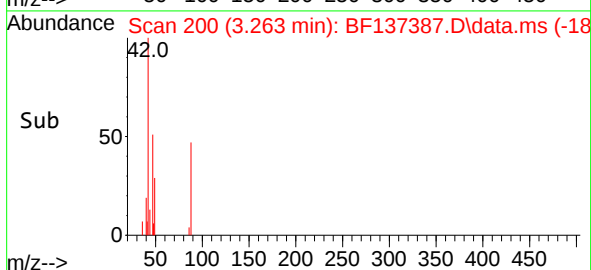
Tgt Ion:152 Resp: 211202
Ion Ratio Lower Upper
152 100
150 161.8 125.7 188.5
115 66.5 49.8 74.8

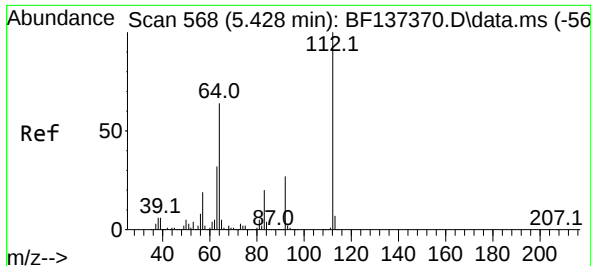


#4
n-Nitrosodimethylamine
Concen: 5.174 ng
RT: 3.263 min Scan# 200
Delta R.T. -0.024 min
Lab File: BF137387.D
Acq: 26 Feb 2024 16:06



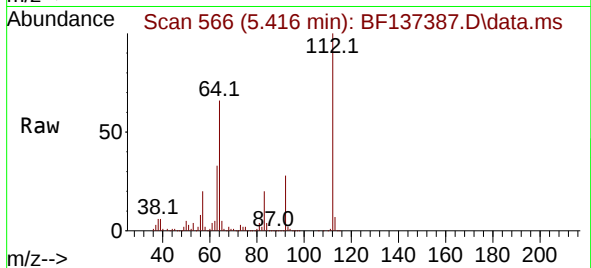
Tgt Ion: 42 Resp: 538
Ion Ratio Lower Upper
42 100
74 0.0 110.8 166.2#
44 288.9 6.0 9.0#



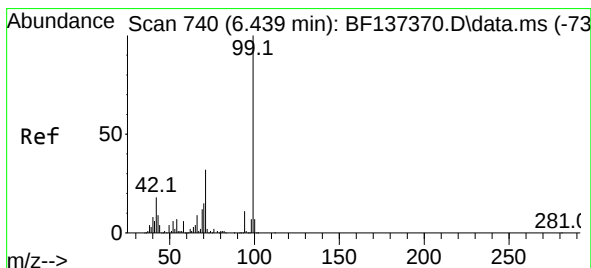
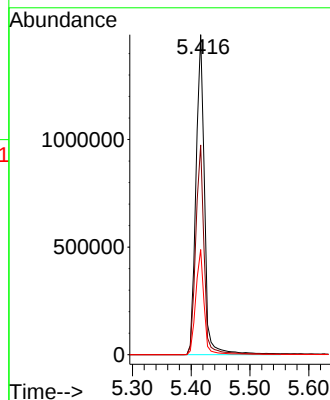
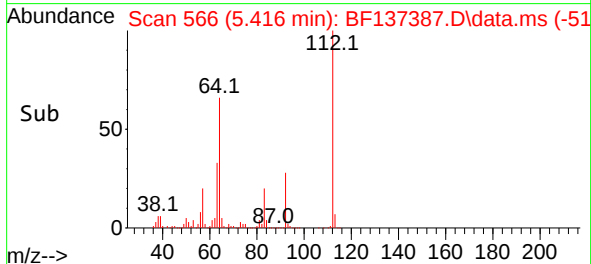


#5
2-Fluorophenol
Concen: 110.725 ng
RT: 5.416 min Scan# 501
Delta R.T. -0.012 min
Lab File: BF137387.D
Acq: 26 Feb 2024 16:06

Instrument :
BNA_F
ClientSampleId :

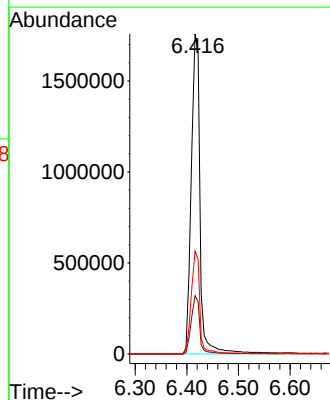
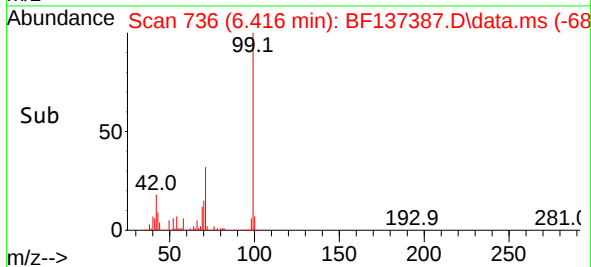
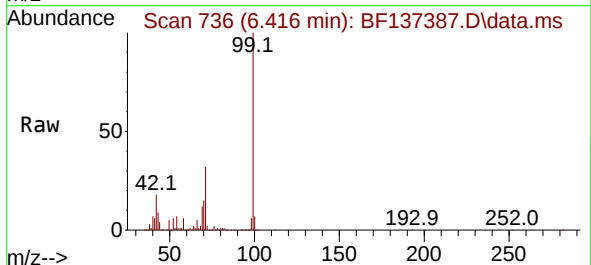


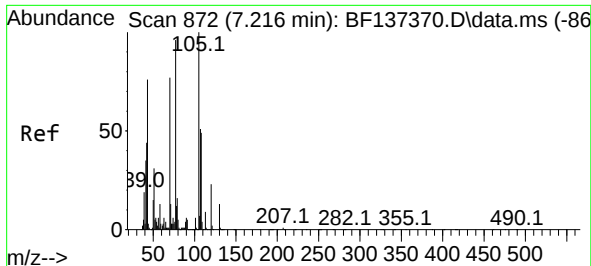
Tgt Ion:112 Resp: 1515547
Ion Ratio Lower Upper
112 100
64 65.6 51.0 76.6
63 32.8 25.7 38.5



#7
Phenol-d6
Concen: 103.660 ng
RT: 6.416 min Scan# 736
Delta R.T. -0.024 min
Lab File: BF137387.D
Acq: 26 Feb 2024 16:06

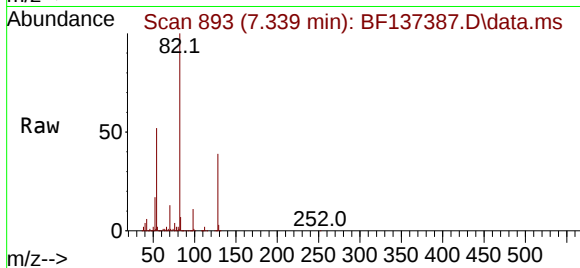
Tgt Ion: 99 Resp: 2087142
Ion Ratio Lower Upper
99 100
42 18.2 14.2 21.4
71 32.2 25.2 37.8



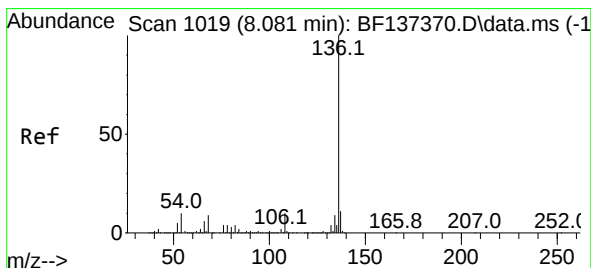
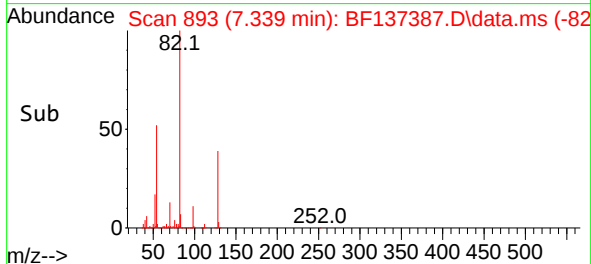
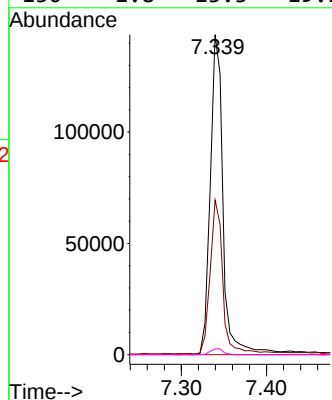


#19
n-Nitroso-di-n-propylamine
Concen: 12.072 ng
RT: 7.339 min Scan# 893
Delta R.T. 0.124 min
Lab File: BF137387.D
Acq: 26 Feb 2024 16:06

Instrument :
BNA_F
ClientSampleId :

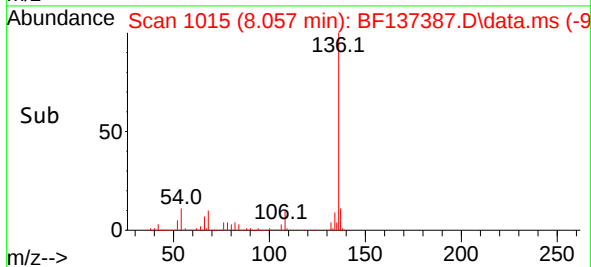
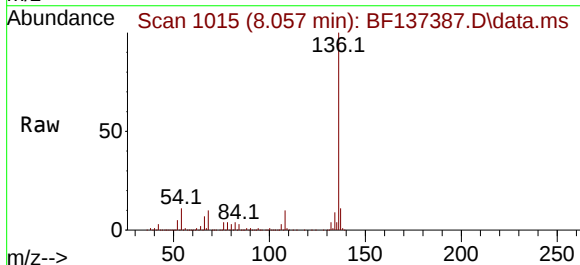
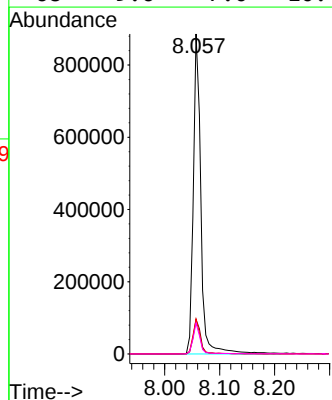


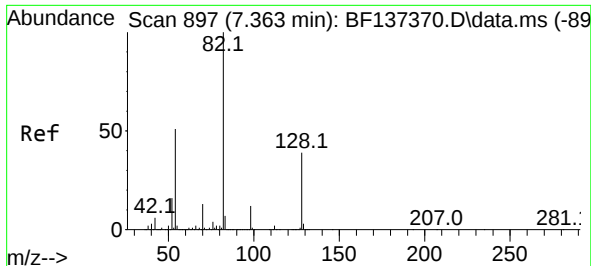
Tgt Ion: 70 Resp: 149784
Ion Ratio Lower Upper
70 100
42 48.3 45.3 67.9
101 0.0 6.5 9.7#
130 1.8 13.3 19.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.024 min
Lab File: BF137387.D
Acq: 26 Feb 2024 16:06

Tgt Ion: 136 Resp: 841126
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.4
54 10.9 7.8 11.6
68 9.6 7.0 10.4





#23

Nitrobenzene-d5

Concen: 68.517 ng

RT: 7.339 min Scan# 893

Delta R.T. -0.024 min

Lab File: BF137387.D

Acq: 26 Feb 2024 16:06

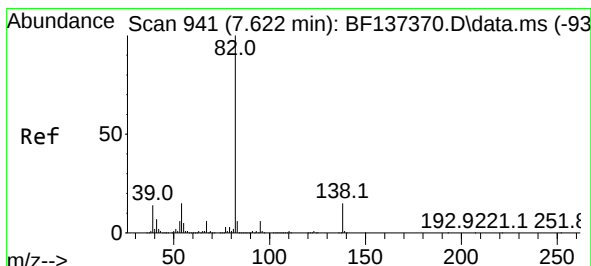
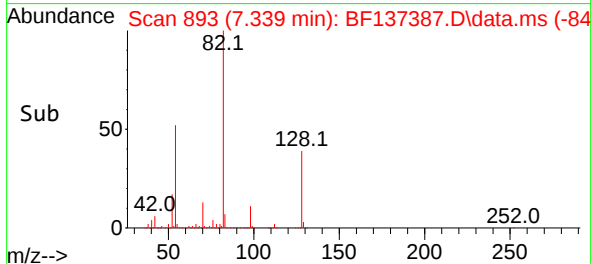
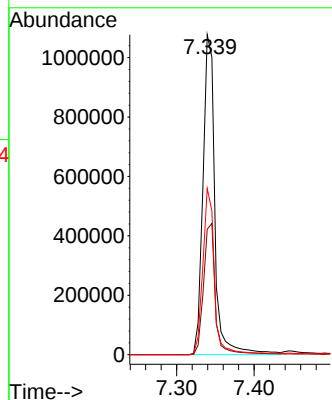
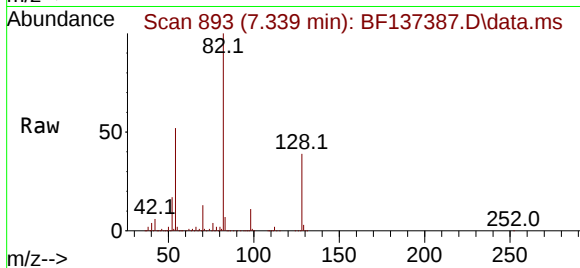
Instrument :

BNA_F

ClientSampleId :

Tgt Ion: 82 Resp: 1154378

Ion	Ratio	Lower	Upper
82	100		
128	39.2	30.8	46.2
54	51.9	40.8	61.2



#25

Isophorone

Concen: 33.130 ng

RT: 7.339 min Scan# 893

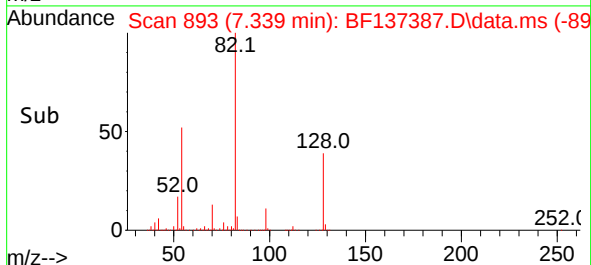
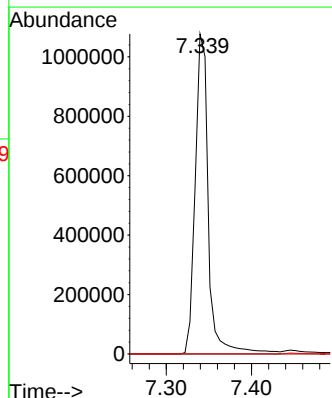
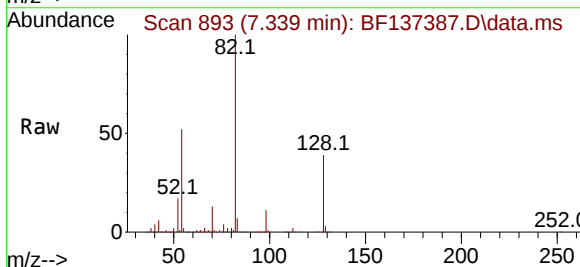
Delta R.T. -0.282 min

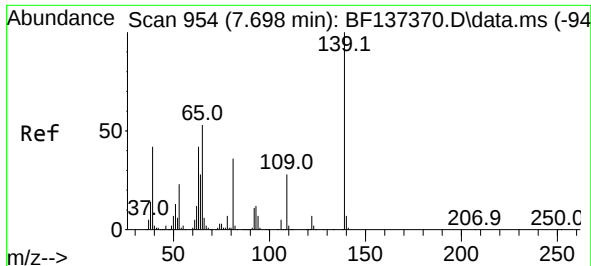
Lab File: BF137387.D

Acq: 26 Feb 2024 16:06

Tgt Ion: 82 Resp: 1154283

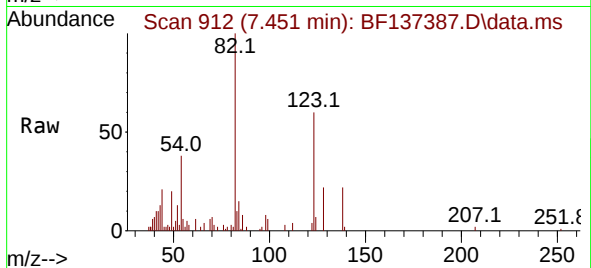
Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.1	7.7#
138	0.0	12.2	18.4#



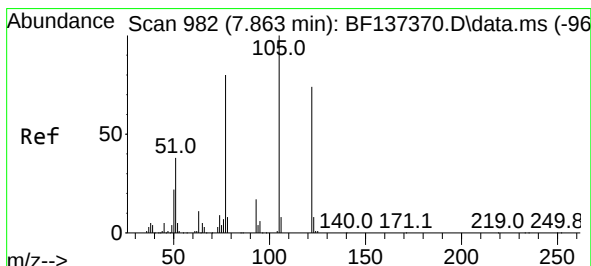
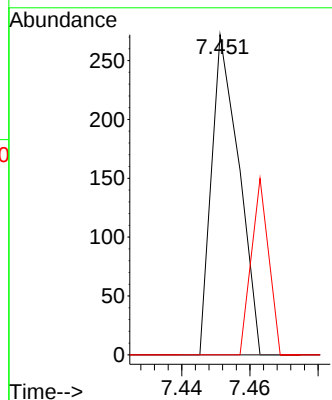
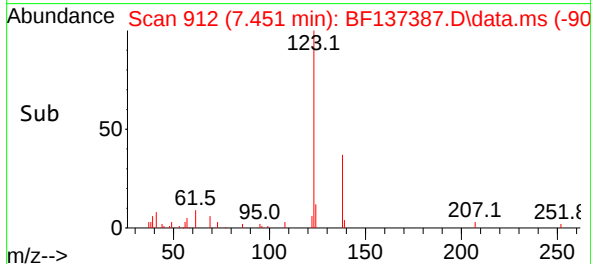


#26
2-Nitrophenol
Concen: 2.924 ng
RT: 7.451 min Scan# 91
Delta R.T. -0.247 min
Lab File: BF137387.D
Acq: 26 Feb 2024 16:06

Instrument :
BNA_F
ClientSampleId :

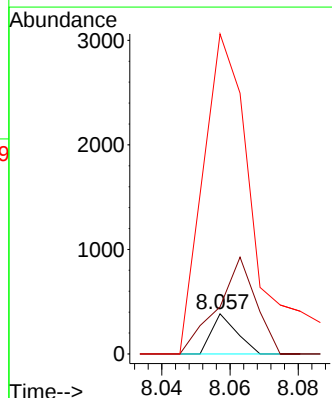
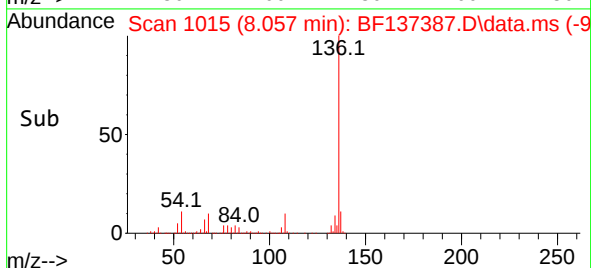
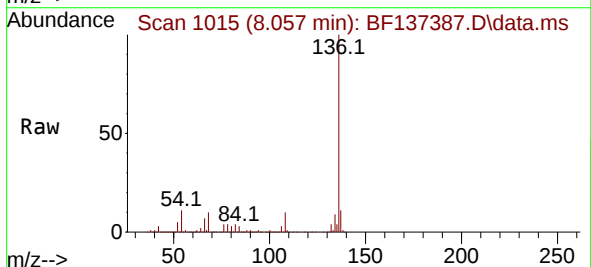


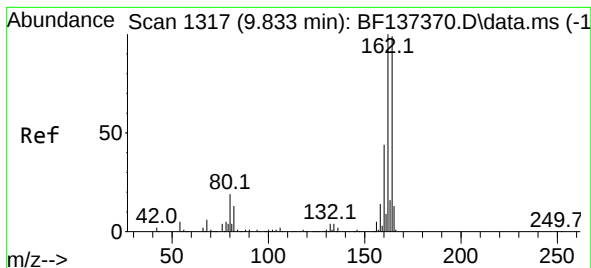
Tgt Ion:139 Resp: 151
Ion Ratio Lower Upper
139 100
109 0.0 22.5 33.7#
65 0.0 42.3 63.5#



#32
Benzoic acid
Concen: 6.972 ng
RT: 8.057 min Scan# 1015
Delta R.T. 0.194 min
Lab File: BF137387.D
Acq: 26 Feb 2024 16:06

Tgt Ion:122 Resp: 197
Ion Ratio Lower Upper
122 100
105 117.2 101.1 141.1
77 797.1 82.8 122.8#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.816 min Scan# 1

Delta R.T. -0.018 min

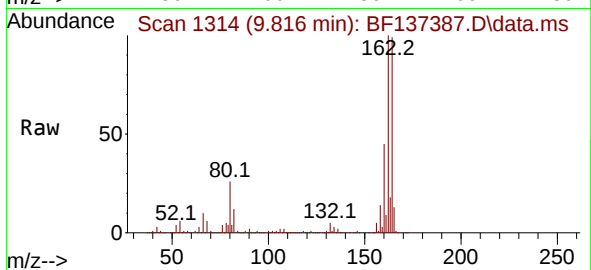
Lab File: BF137387.D

Acq: 26 Feb 2024 16:06

Instrument :

BNA_F

ClientSampleId :



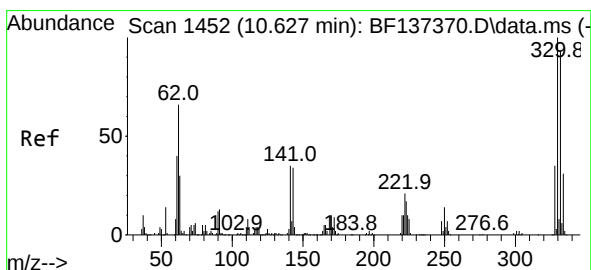
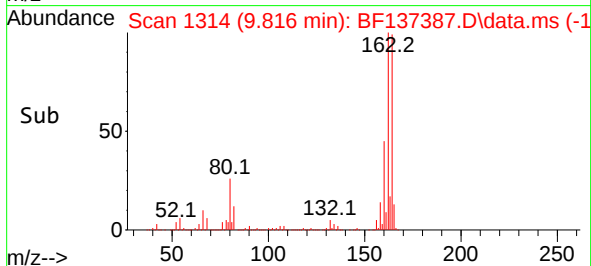
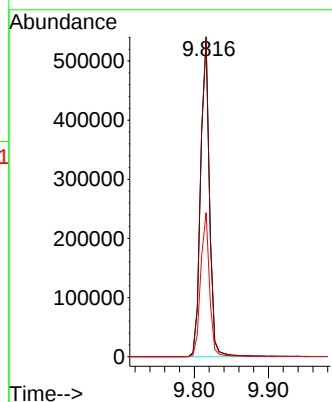
Tgt Ion:164 Resp: 444419

Ion Ratio Lower Upper

164 100

162 101.3 81.2 121.8

160 45.5 35.7 53.5



#42

2,4,6-Tribromophenol

Concen: 100.000 ng

RT: 10.610 min Scan# 1449

Delta R.T. -0.018 min

Lab File: BF137387.D

Acq: 26 Feb 2024 16:06

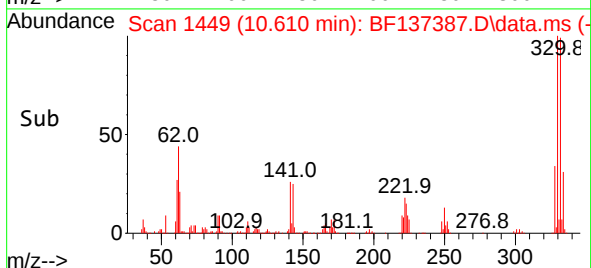
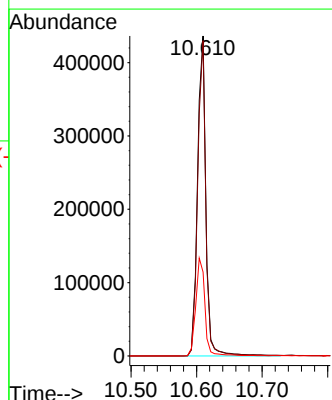
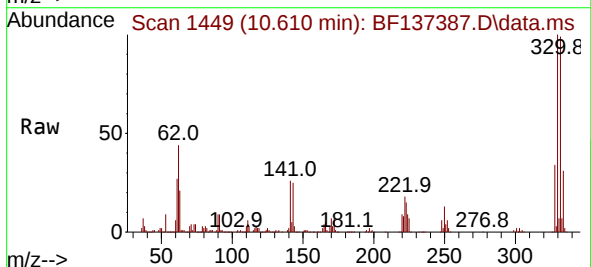
Tgt Ion:330 Resp: 387001

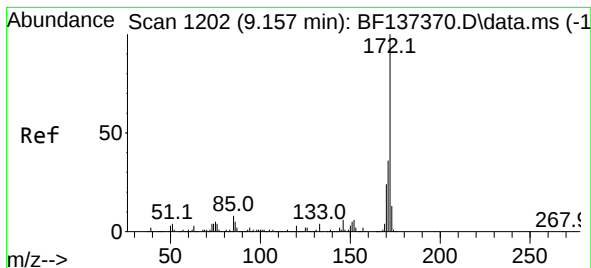
Ion Ratio Lower Upper

330 100

332 96.9 75.6 113.4

141 33.6 28.6 42.8





#45

2-Fluorobiphenyl

Concen: 59.662 ng

RT: 9.139 min Scan# 1199

Delta R.T. -0.018 min

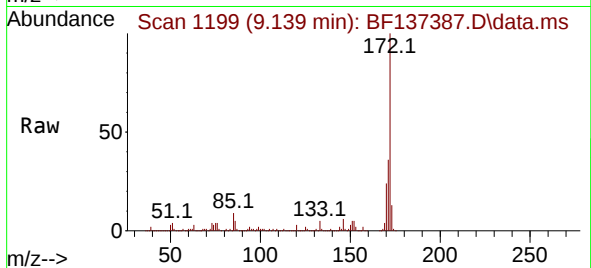
Lab File: BF137387.D

Acq: 26 Feb 2024 16:06

Instrument :

BNA_F

ClientSampleId :



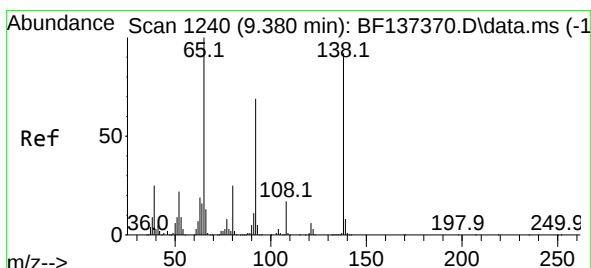
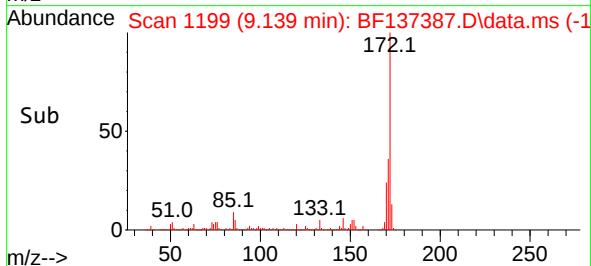
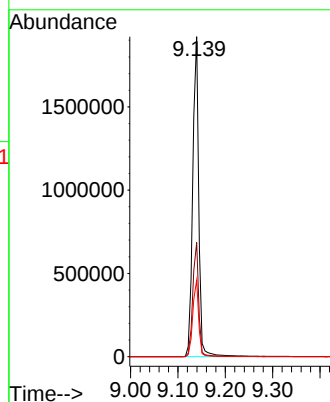
Tgt Ion:172 Resp: 1703119

Ion Ratio Lower Upper

172 100

171 35.7 28.7 43.1

170 23.9 19.5 29.3



#48

2-Nitroaniline

Concen: 4.262 ng

RT: 9.316 min Scan# 1229

Delta R.T. -0.064 min

Lab File: BF137387.D

Acq: 26 Feb 2024 16:06

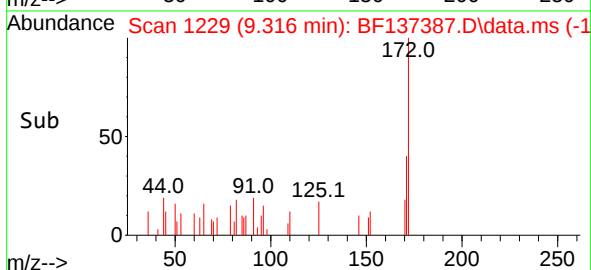
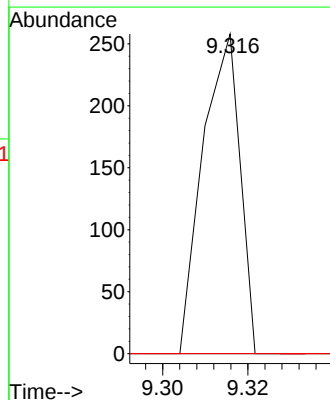
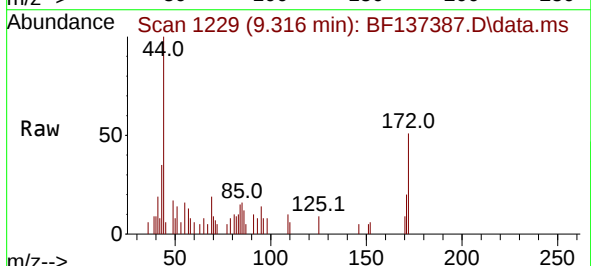
Tgt Ion: 65 Resp: 156

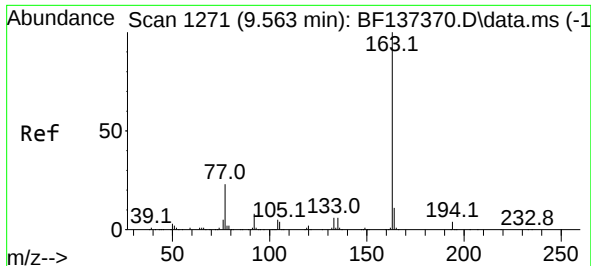
Ion Ratio Lower Upper

65 100

92 0.0 55.0 82.6#

138 0.0 73.7 110.5#

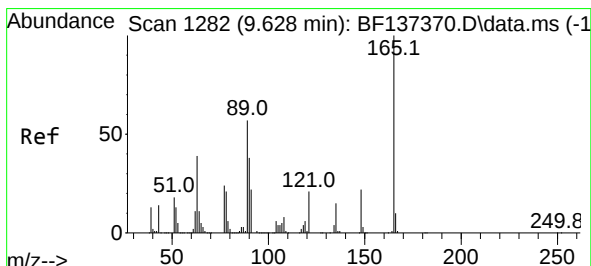
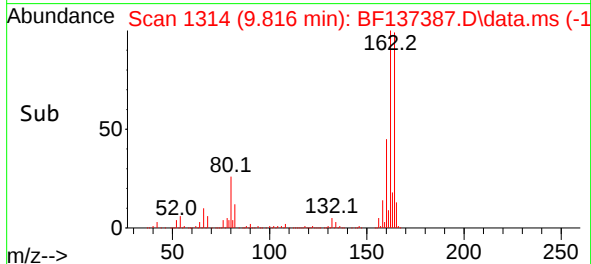
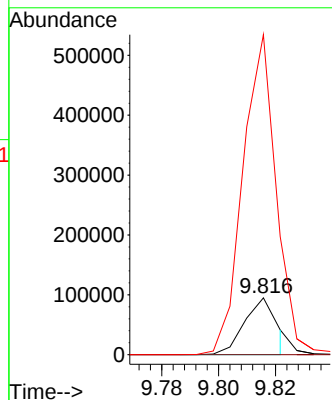
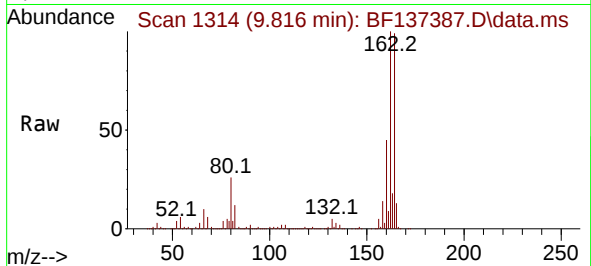




#50
Dimethylphthalate
Concen: 2.430 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.253 min
Lab File: BF137387.D
Acq: 26 Feb 2024 16:06

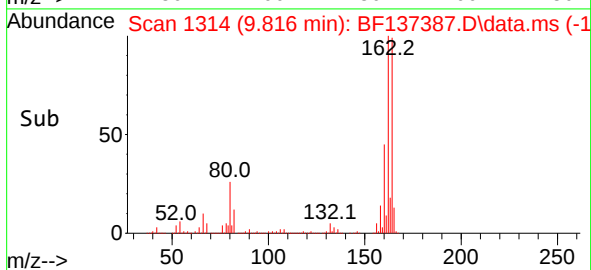
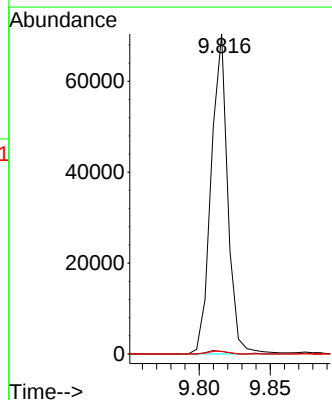
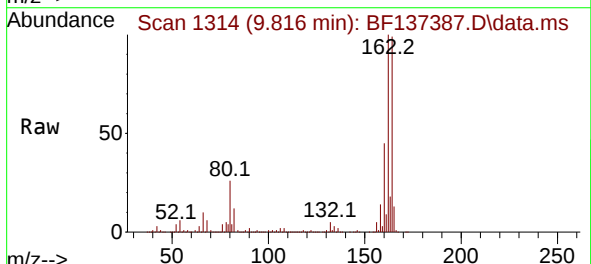
Instrument :
BNA_F
ClientSampleId :

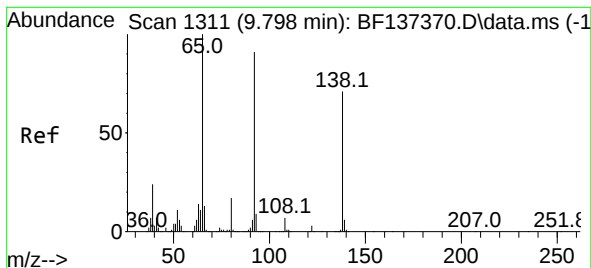
Tgt Ion:163 Resp: 74614
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.4#
164 563.7 8.5 12.7#



#51
2,6-Dinitrotoluene
Concen: 10.035 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.188 min
Lab File: BF137387.D
Acq: 26 Feb 2024 16:06

Tgt Ion:165 Resp: 57333
Ion Ratio Lower Upper
165 100
63 0.8 41.6 62.4#
89 0.9 45.8 68.6#





#53

3-Nitroaniline

Concen: 2.377 ng

RT: 9.810 min Scan# 116

Delta R.T. 0.012 min

Lab File: BF137387.D

Acq: 26 Feb 2024 16:06

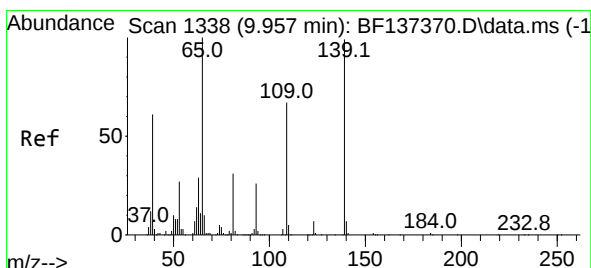
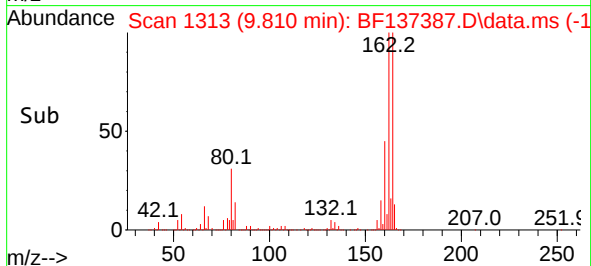
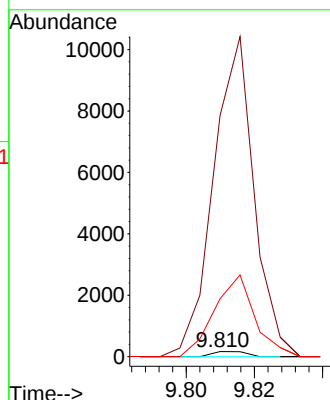
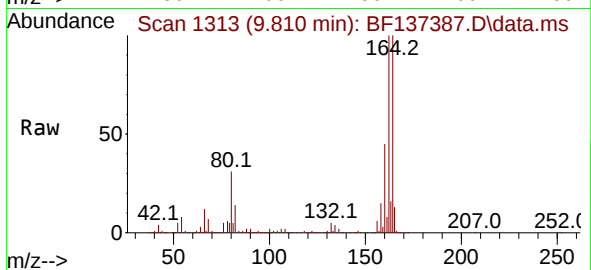
Instrument :

BNA_F

ClientSampleId :

Tgt Ion:138 Resp: 116

Ion	Ratio	Lower	Upper
138	100		
108	4730.1	8.2	12.2#
92	1136.1	102.2	153.2#



#56

4-Nitrophenol

Concen: 4.849 ng

RT: 9.928 min Scan# 1333

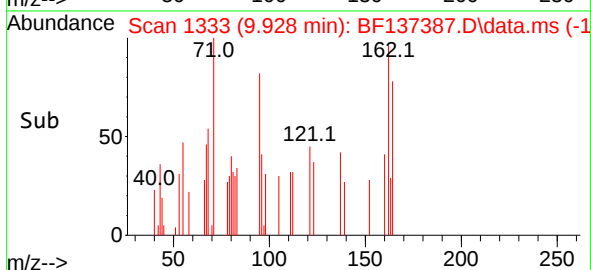
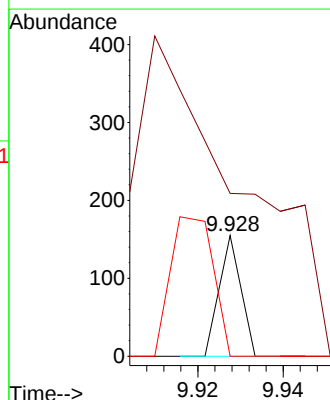
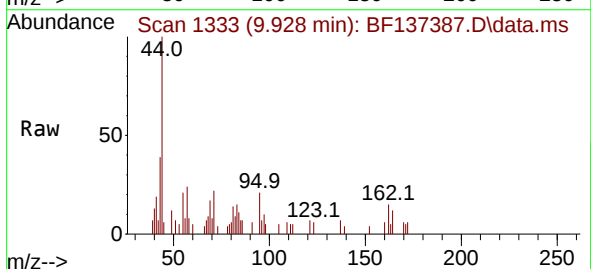
Delta R.T. -0.029 min

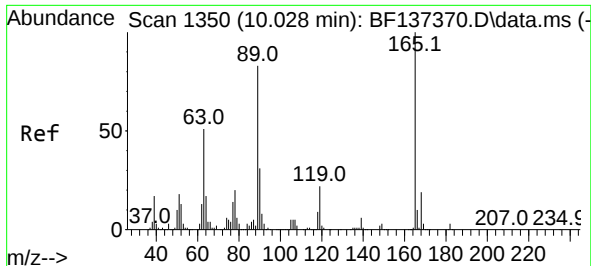
Lab File: BF137387.D

Acq: 26 Feb 2024 16:06

Tgt Ion:139 Resp: 55

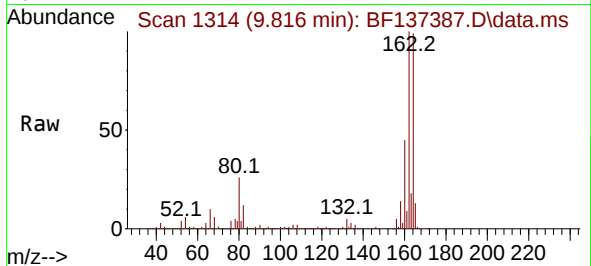
Ion	Ratio	Lower	Upper
139	100		
109	134.8	48.0	88.0#
65	0.0	82.2	122.2#



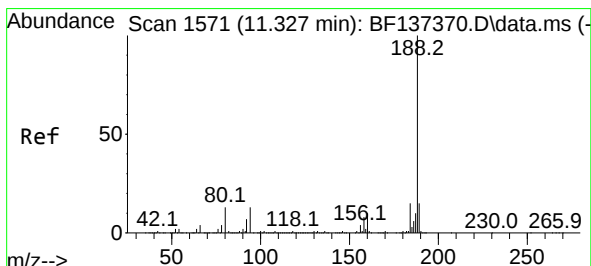
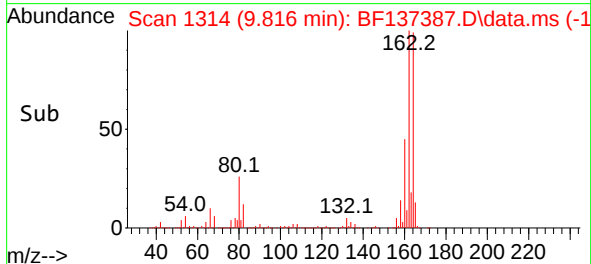
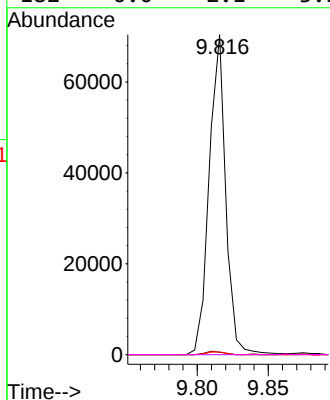


#57
2,4-Dinitrotoluene
Concen: 8.825 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.212 min
Lab File: BF137387.D
Acq: 26 Feb 2024 16:06

Instrument :
BNA_F
ClientSampleId :

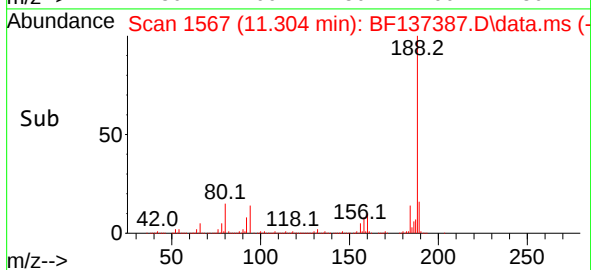
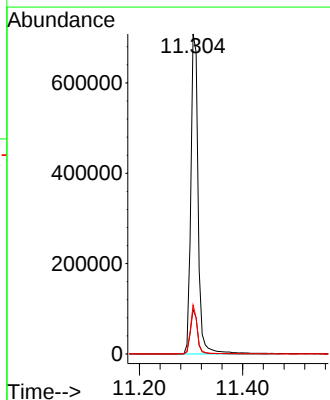
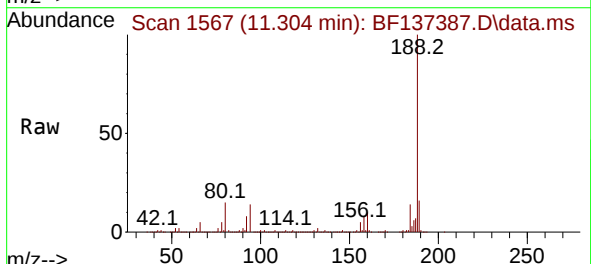


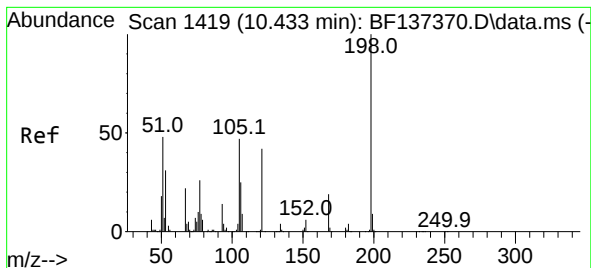
Tgt Ion:165 Resp: 57333
Ion Ratio Lower Upper
165 100
63 0.8 41.1 61.7#
89 0.9 66.6 100.0#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 1567
Delta R.T. -0.024 min
Lab File: BF137387.D
Acq: 26 Feb 2024 16:06

Tgt Ion:188 Resp: 697610
Ion Ratio Lower Upper
188 100
94 13.9 10.2 15.2
80 15.3 10.7 16.1

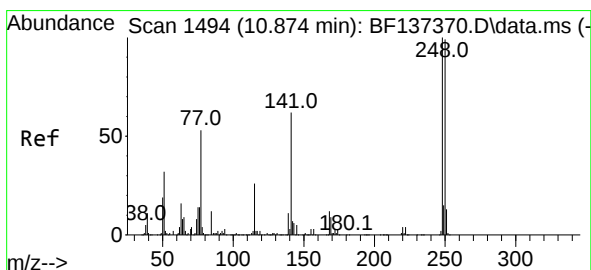
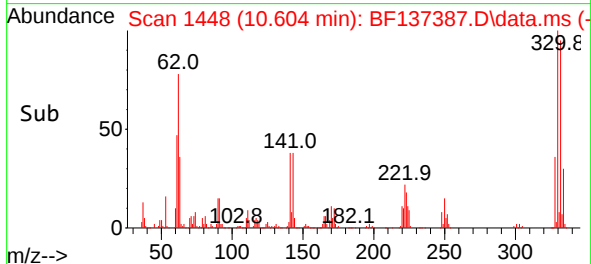
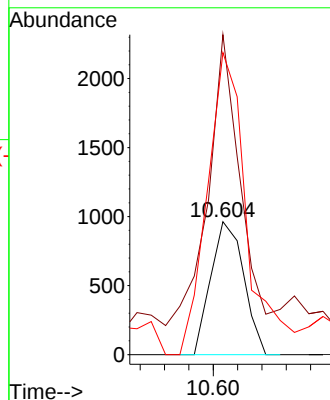
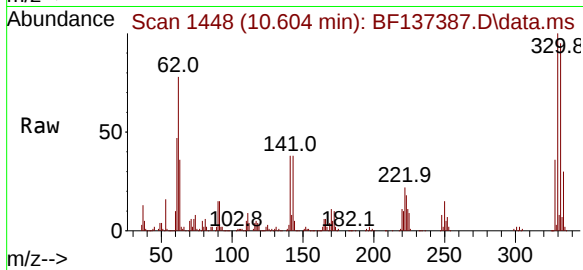




#65
4,6-Dinitro-2-methylphenol
Concen: 4.746 ng
RT: 10.604 min Scan# 1419
Delta R.T. 0.171 min
Lab File: BF137387.D
Acq: 26 Feb 2024 16:06

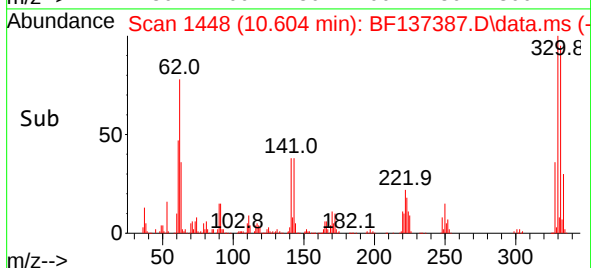
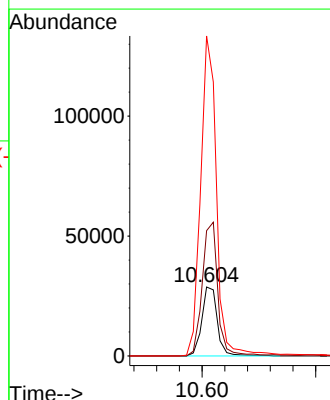
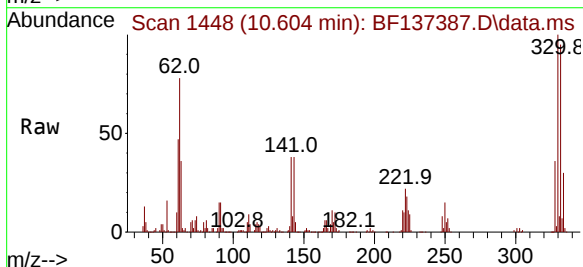
Instrument :
BNA_F
ClientSampleId :

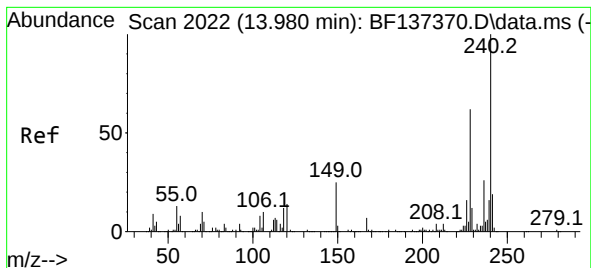
Tgt Ion:198 Resp: 904
Ion Ratio Lower Upper
198 100
51 240.7 36.8 76.8#
105 227.2 28.5 68.5#



#67
4-Bromophenyl-phenylether
Concen: 3.628 ng
RT: 10.604 min Scan# 1448
Delta R.T. -0.271 min
Lab File: BF137387.D
Acq: 26 Feb 2024 16:06

Tgt Ion:248 Resp: 27211
Ion Ratio Lower Upper
248 100
250 181.6 79.0 118.6#
141 463.8 49.9 74.9#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.957 min Scan# 20

Delta R.T. -0.023 min

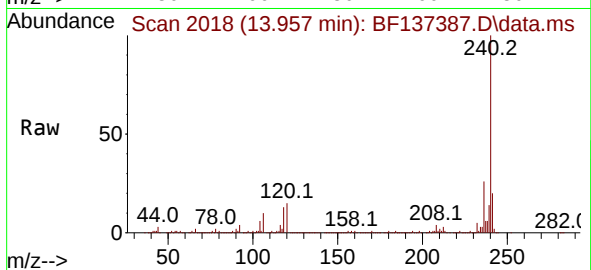
Lab File: BF137387.D

Acq: 26 Feb 2024 16:06

Instrument :

BNA_F

ClientSampleId :



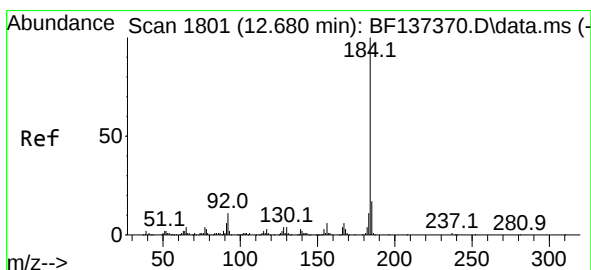
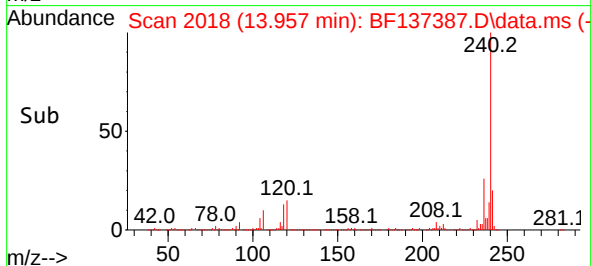
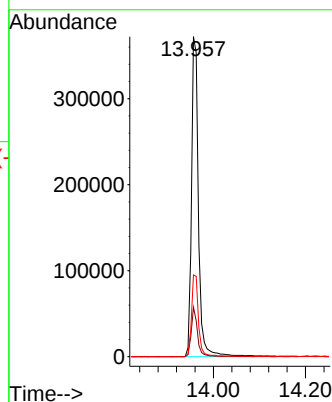
Tgt Ion:240 Resp: 388497

Ion Ratio Lower Upper

240 100

120 15.4 11.3 16.9

236 25.6 20.5 30.7



#77

Benzidine

Concen: 9.022 ng

RT: 12.904 min Scan# 1839

Delta R.T. 0.224 min

Lab File: BF137387.D

Acq: 26 Feb 2024 16:06

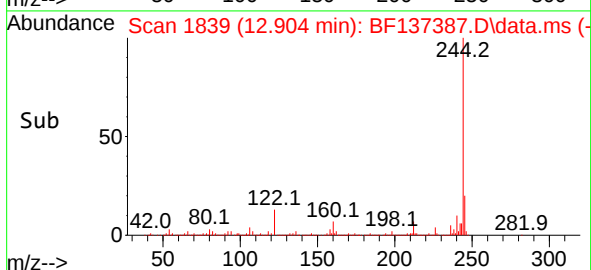
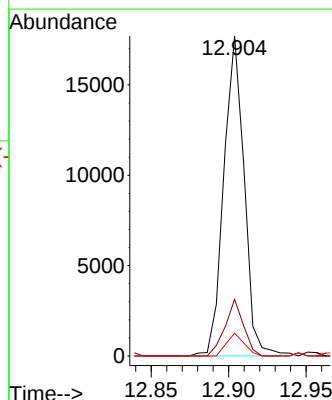
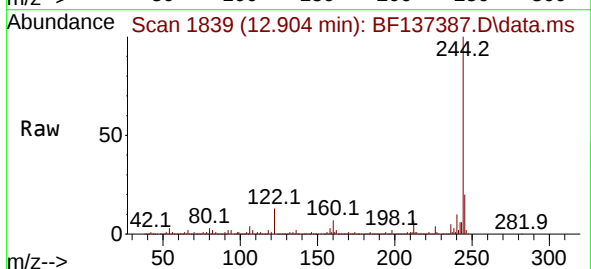
Tgt Ion:184 Resp: 16187

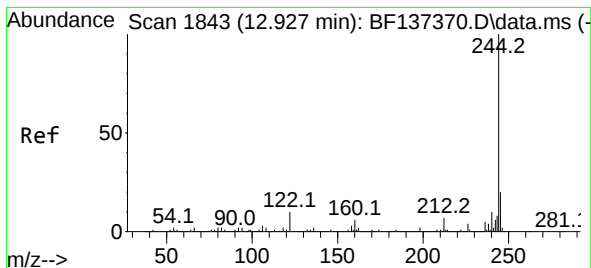
Ion Ratio Lower Upper

184 100

185 17.7 13.7 20.5

183 7.1 8.8 13.2#





#79

Terphenyl-d14

Concen: 47.025 ng

RT: 12.904 min Scan# 1839

Delta R.T. -0.024 min

Lab File: BF137387.D

Acq: 26 Feb 2024 16:06

Instrument :

BNA_F

ClientSampleId :

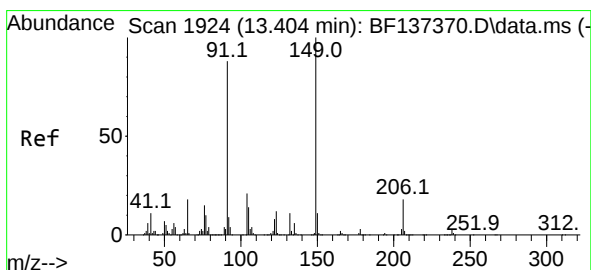
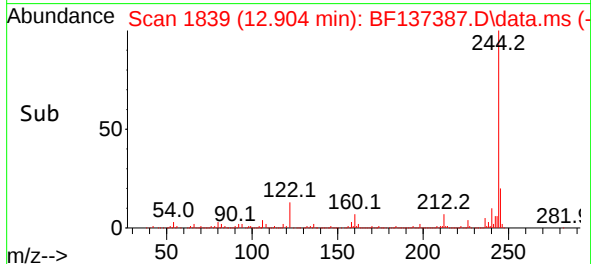
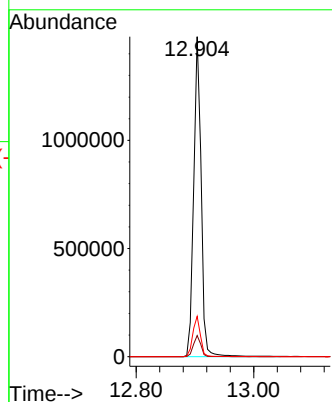
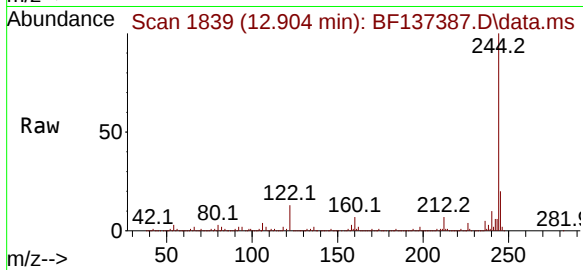
Tgt Ion:244 Resp: 1306175

Ion Ratio Lower Upper

244 100

212 6.6 5.3 7.9

122 12.6 8.2 12.4#



#80

Butylbenzylphthalate

Concen: 4.056 ng

RT: 13.404 min Scan# 1924

Delta R.T. -0.000 min

Lab File: BF137387.D

Acq: 26 Feb 2024 16:06

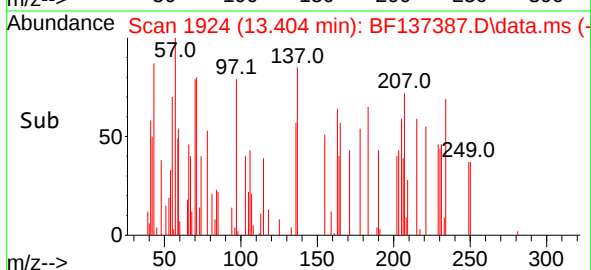
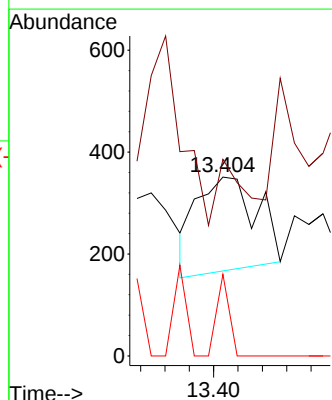
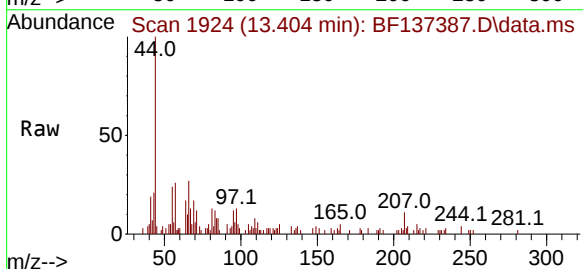
Tgt Ion:149 Resp: 317

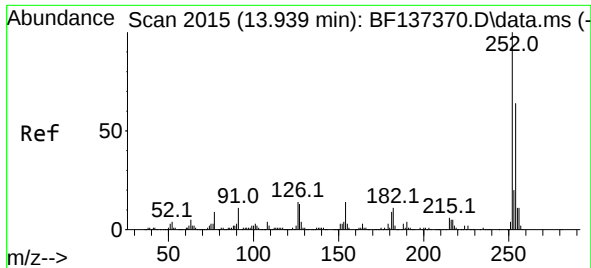
Ion Ratio Lower Upper

149 100

91 110.0 70.5 105.7#

206 45.6 14.8 22.2#

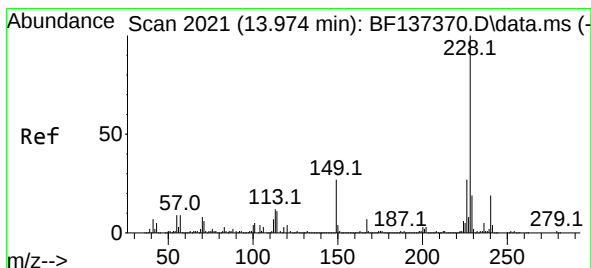
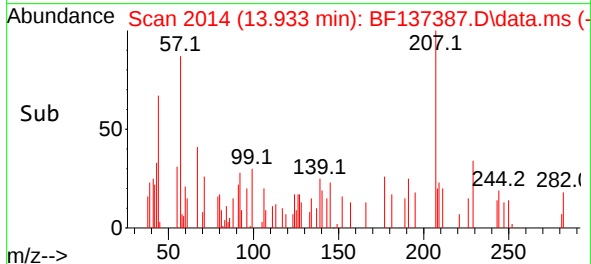
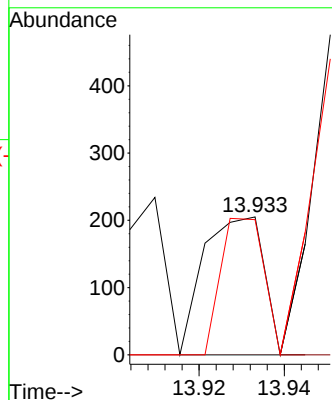
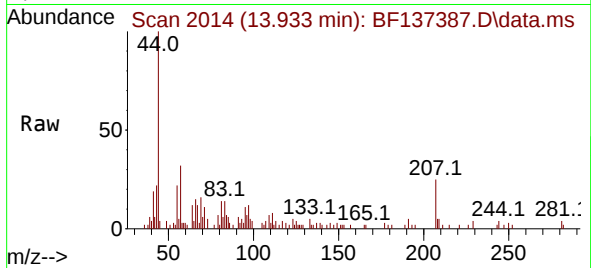




#82
 3,3'-Dichlorobenzidine
 Concen: 5.062 ng
 RT: 13.933 min Scan# 2014
 Delta R.T. -0.006 min
 Lab File: BF137387.D
 Acq: 26 Feb 2024 16:06

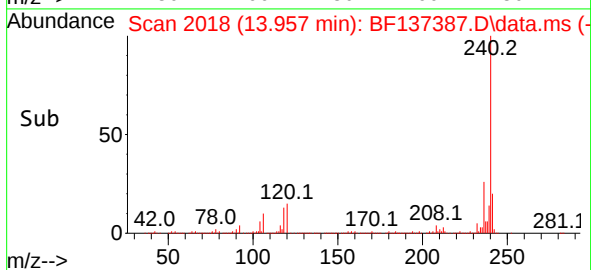
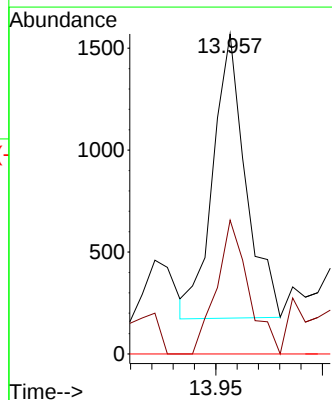
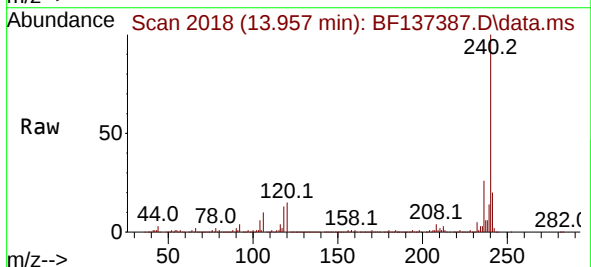
Instrument :
 BNA_F
 ClientSampleId :

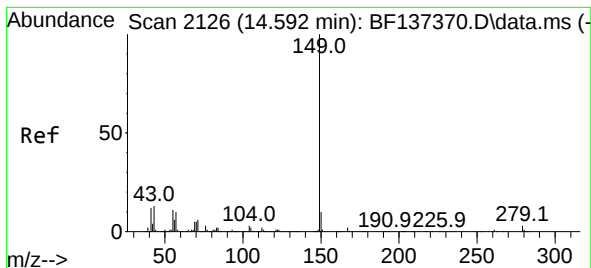
Tgt Ion:252 Resp: 201
 Ion Ratio Lower Upper
 252 100
 254 0.0 51.2 76.8#
 126 98.0 11.1 16.7#



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 4.334 ng
 RT: 13.957 min Scan# 2018
 Delta R.T. -0.017 min
 Lab File: BF137387.D
 Acq: 26 Feb 2024 16:06

Tgt Ion:149 Resp: 1486
 Ion Ratio Lower Upper
 149 100
 167 41.8 20.6 31.0#
 279 0.0 2.7 4.1#





#85

Di-n-octyl phthalate

Concen: 6.009 ng

RT: 14.563 min Scan# 2126

Delta R.T. -0.029 min

Lab File: BF137387.D

Acq: 26 Feb 2024 16:06

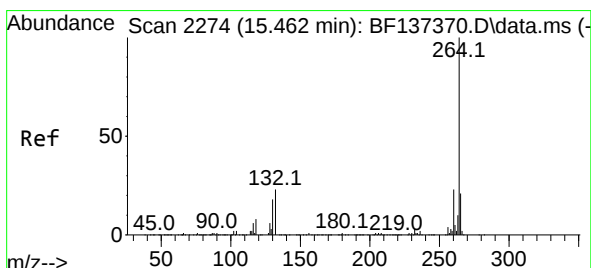
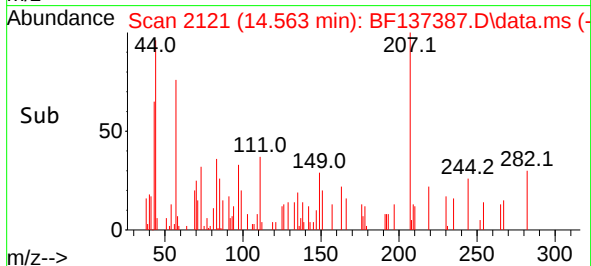
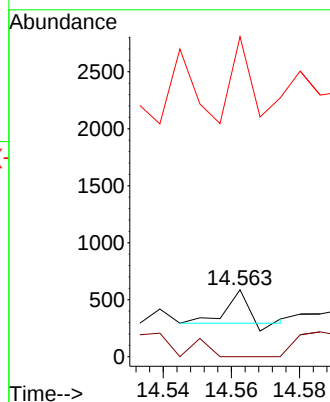
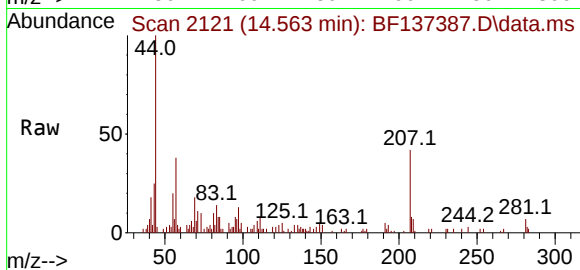
Instrument :

BNA_F

ClientSampleId :

Tgt Ion:149 Resp: 124

Ion	Ratio	Lower	Upper
149	100		
167	0.0	1.2	1.8#
43	410.5	13.7	20.5#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.439 min Scan# 2270

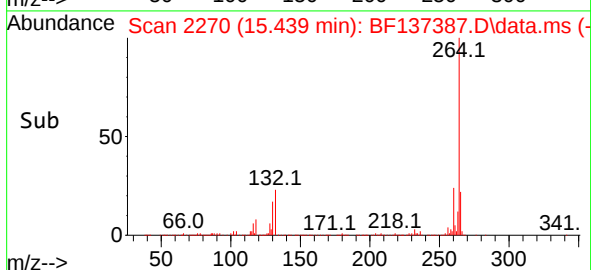
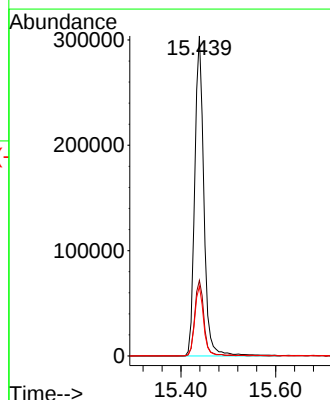
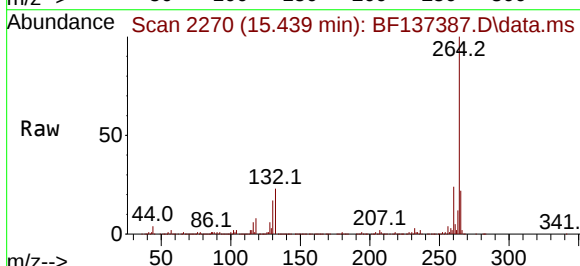
Delta R.T. -0.024 min

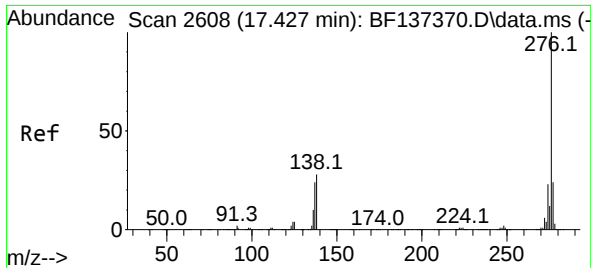
Lab File: BF137387.D

Acq: 26 Feb 2024 16:06

Tgt Ion:264 Resp: 408219

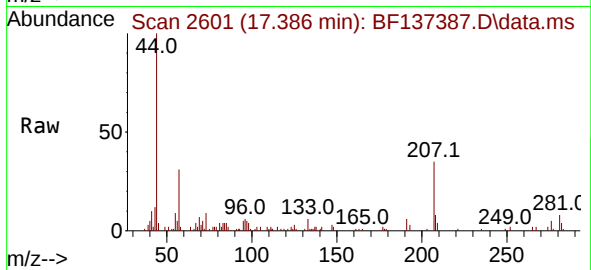
Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.5	27.7
265	21.8	16.9	25.3





#92
 Benzo(g,h,i)perylene
 Concen: 2.138 ng
 RT: 17.386 min Scan# 20
 Delta R.T. -0.041 min
 Lab File: BF137387.D
 Acq: 26 Feb 2024 16:06

Instrument :
 BNA_F
 ClientSampleId :



Tgt Ion:	276	Resp:	1711
Ion Ratio	Lower	Upper	
276	100		
277	26.1	19.0	28.4
138	44.5	22.6	33.8

