

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022824\
 Data File : BF137427.D
 Acq On : 28 Feb 2024 17:21
 Operator : CG\JU
 Sample : PB159266TB
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 28 17:46:27 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)

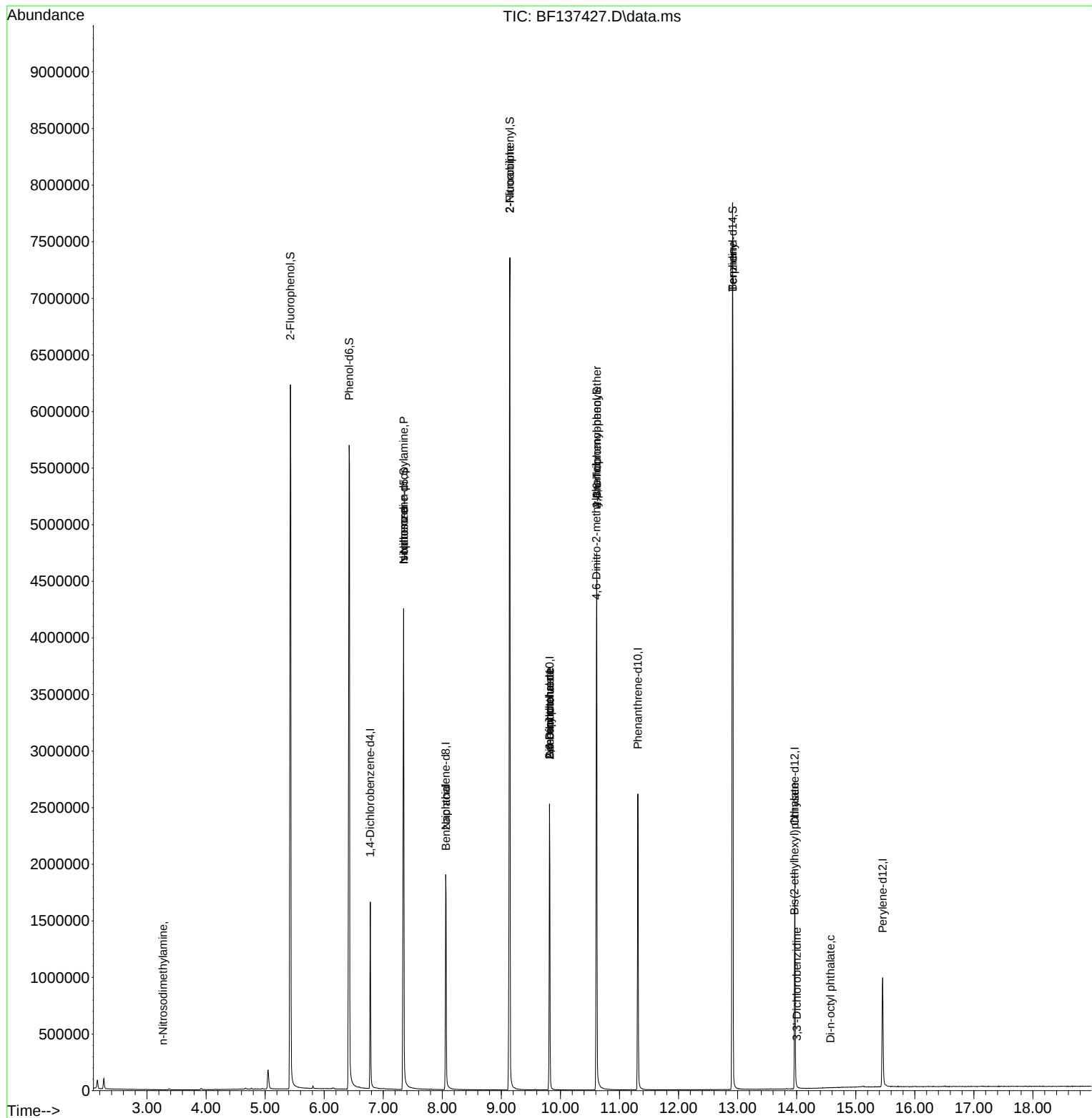
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	238143	20.000	ng	-0.02
21) Naphthalene-d8	8.057	136	943551	20.000	ng	#-0.02
39) Acenaphthene-d10	9.816	164	529462	20.000	ng	-0.02
64) Phenanthrene-d10	11.310	188	939103	20.000	ng	-0.02
76) Chrysene-d12	13.968	240	614502	20.000	ng	-0.01
86) Perylene-d12	15.457	264	468656	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	1984688	128.596	ng	0.00
7) Phenol-d6	6.422	99	2726570	120.098	ng	-0.02
23) Nitrobenzene-d5	7.345	82	1693346	89.597	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	597798	129.658	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	2661087	78.247	ng	-0.01
79) Terphenyl-d14	12.916	244	3172290	72.205	ng	-0.01
Target Compounds						
						Qvalue
4) n-Nitrosodimethylamine	3.269	42	120	5.120	ng	# 1
19) n-Nitroso-di-n-propyla...	7.345	70	224235	16.028	ng	# 83
25) Isophorone	7.345	82	1693335	43.325	ng	# 69
32) Benzoic acid	8.063	122	82	6.959	ng	# 1
48) 2-Nitroaniline	9.145	65	4813	4.739	ng	# 1
50) Dimethylphthalate	9.816	163	77889	2.129	ng	# 1
51) 2,6-Dinitrotoluene	9.816	165	68295	10.034	ng	# 26
57) 2,4-Dinitrotoluene	9.816	165	68296	8.824	ng	# 18
65) 4,6-Dinitro-2-methylph...	10.610	198	1489	4.800	ng	# 1
67) 4-Bromophenyl-phenylether	10.616	248	40523	4.014	ng	# 1
77) Benzidine	12.916	184	37338	9.979	ng	# 92
82) 3,3'-Dichlorobenzidine	14.004	252	56	5.038	ng	# 27
84) Bis(2-ethylhexyl)phtha...	13.963	149	178	4.103	ng	# 1
85) Di-n-octyl phthalate	14.574	149	477	6.031	ng	# 1

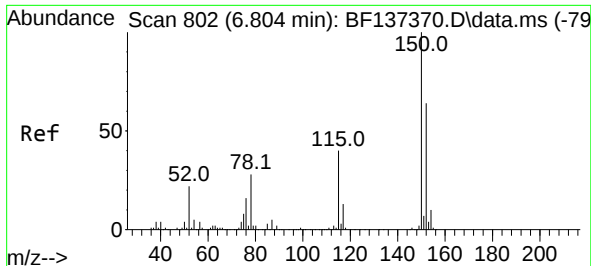
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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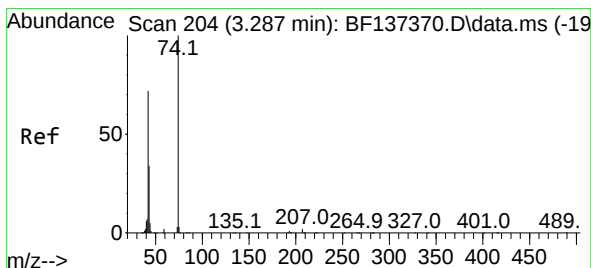
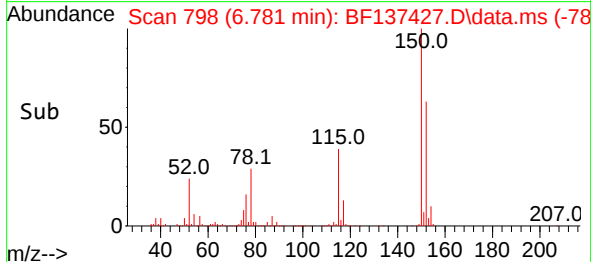
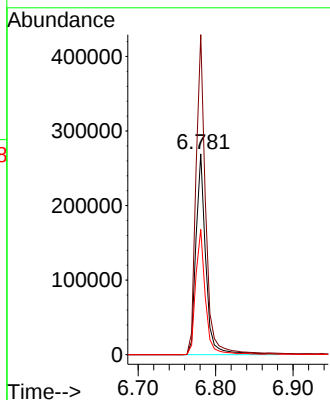
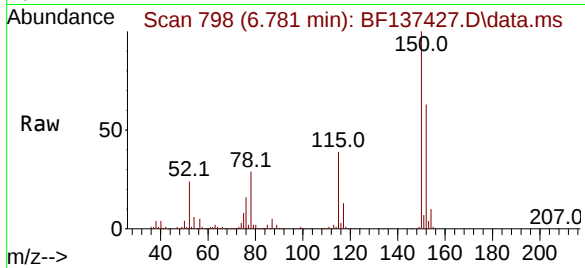




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.023 min
Lab File: BF137427.D
Acq: 28 Feb 2024 17:21

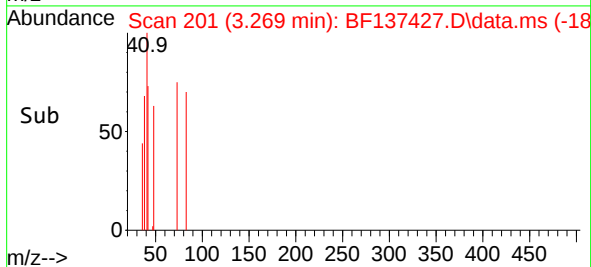
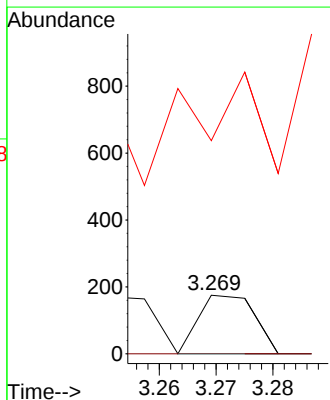
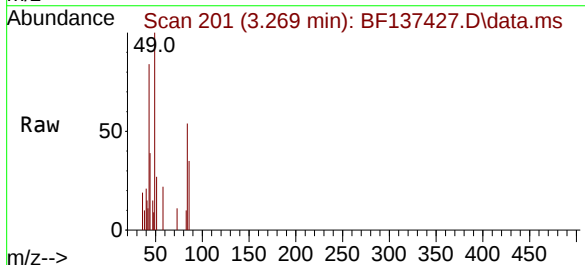
Instrument :
BNA_F
ClientSampleId :

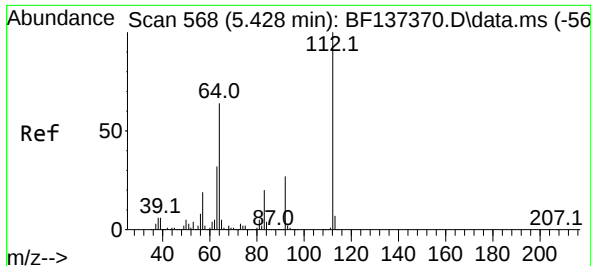
Tgt Ion:152 Resp: 238143
Ion Ratio Lower Upper
152 100
150 159.4 125.7 188.5
115 62.4 49.8 74.8



#4
n-Nitrosodimethylamine
Concen: 5.120 ng
RT: 3.269 min Scan# 201
Delta R.T. -0.018 min
Lab File: BF137427.D
Acq: 28 Feb 2024 17:21

Tgt Ion: 42 Resp: 120
Ion Ratio Lower Upper
42 100
74 0.0 110.8 166.2#
44 364.0 6.0 9.0#

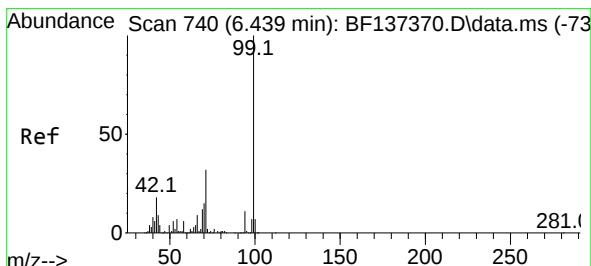
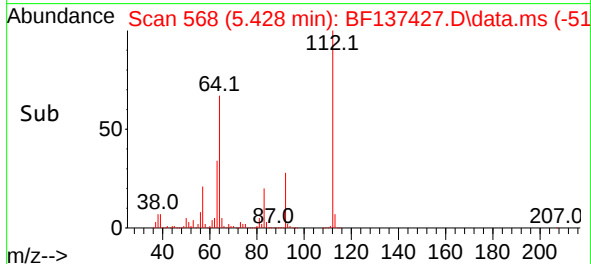
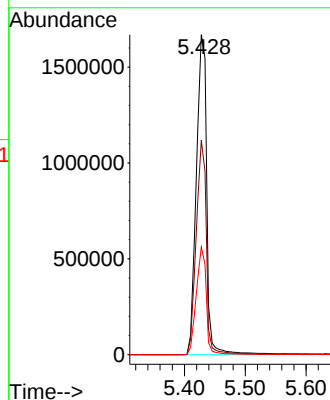
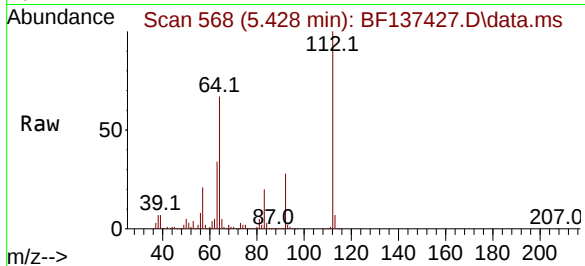




#5
2-Fluorophenol
Concen: 128.596 ng
RT: 5.428 min Scan# 501
Delta R.T. 0.000 min
Lab File: BF137427.D
Acq: 28 Feb 2024 17:21

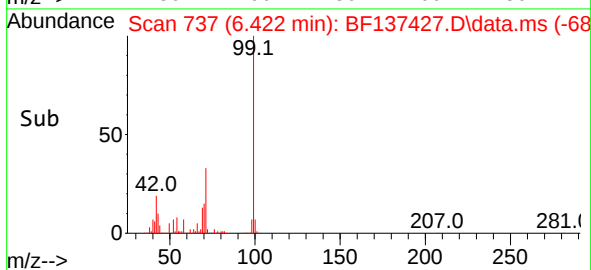
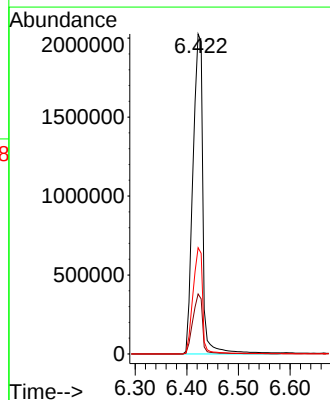
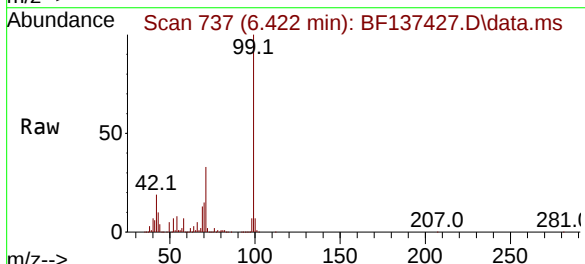
Instrument :
BNA_F
ClientSampleId :

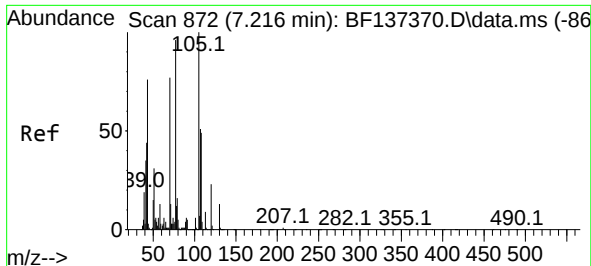
Tgt Ion:112 Resp: 1984688
Ion Ratio Lower Upper
112 100
64 67.0 51.0 76.6
63 33.7 25.7 38.5



#7
Phenol-d6
Concen: 120.098 ng
RT: 6.422 min Scan# 737
Delta R.T. -0.018 min
Lab File: BF137427.D
Acq: 28 Feb 2024 17:21

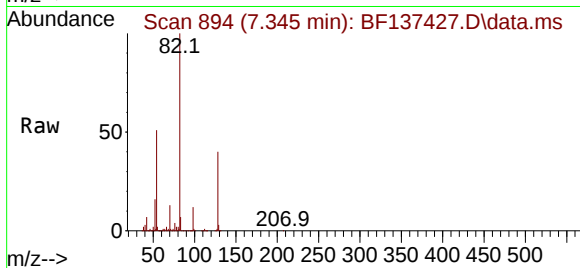
Tgt Ion: 99 Resp: 2726570
Ion Ratio Lower Upper
99 100
42 18.8 14.2 21.4
71 33.2 25.2 37.8



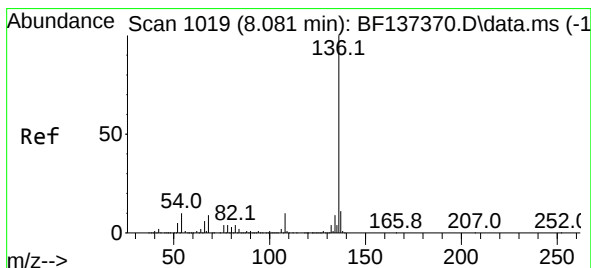
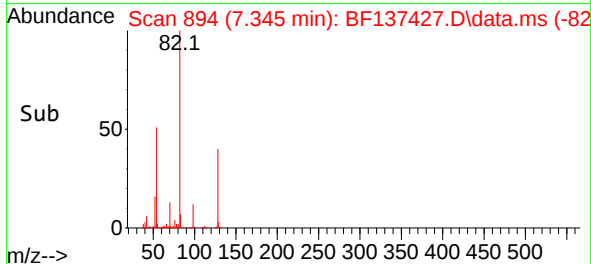
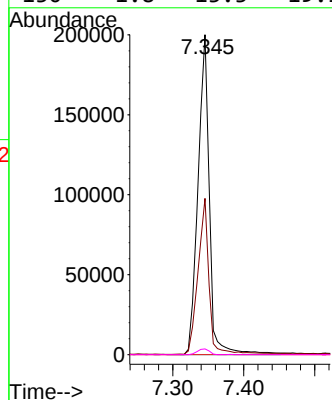


#19
n-Nitroso-di-n-propylamine
Concen: 16.028 ng
RT: 7.345 min Scan# 891
Delta R.T. 0.129 min
Lab File: BF137427.D
Acq: 28 Feb 2024 17:21

Instrument :
BNA_F
ClientSampleId :

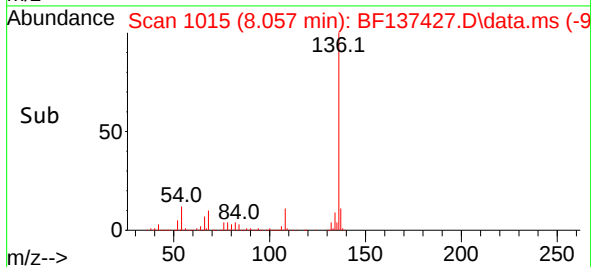
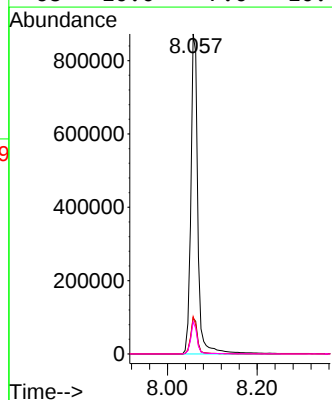
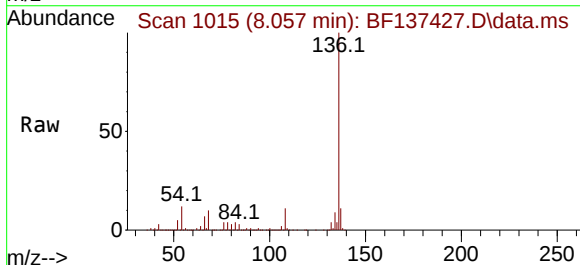


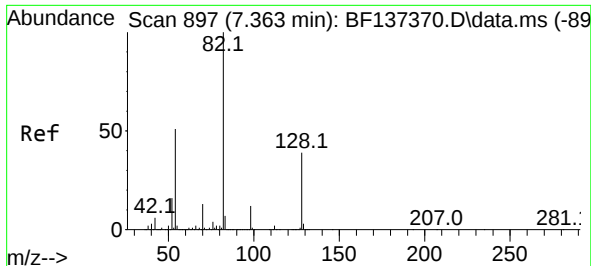
Tgt Ion: 70 Resp: 224235
Ion Ratio Lower Upper
70 100
42 48.8 45.3 67.9
101 0.0 6.5 9.7#
130 1.8 13.3 19.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.024 min
Lab File: BF137427.D
Acq: 28 Feb 2024 17:21

Tgt Ion: 136 Resp: 943551
Ion Ratio Lower Upper
136 100
137 11.3 9.0 13.4
54 11.7 7.8 11.6#
68 10.0 7.0 10.4





#23

Nitrobenzene-d5

Concen: 89.597 ng

RT: 7.345 min Scan# 894

Delta R.T. -0.018 min

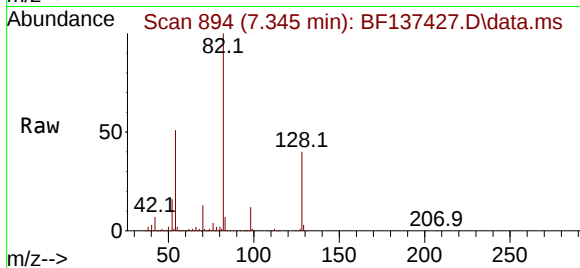
Lab File: BF137427.D

Acq: 28 Feb 2024 17:21

Instrument :

BNA_F

ClientSampleId :



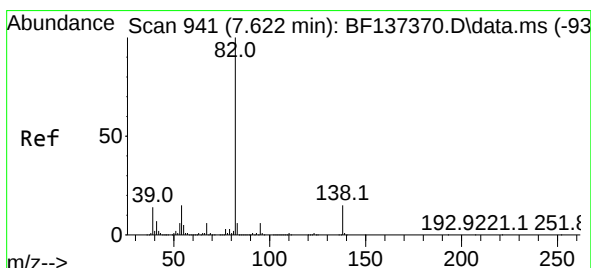
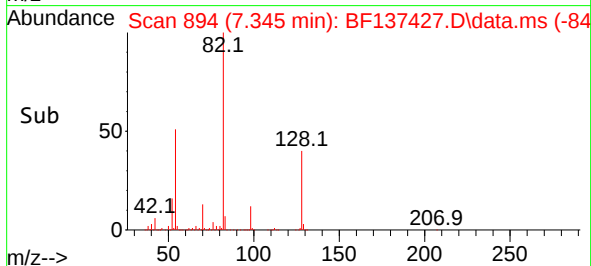
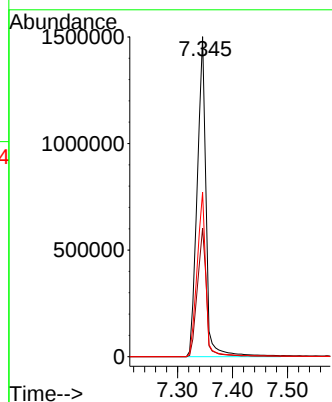
Tgt Ion: 82 Resp: 1693346

Ion Ratio Lower Upper

82 100

128 40.2 30.8 46.2

54 51.4 40.8 61.2



#25

Isophorone

Concen: 43.325 ng

RT: 7.345 min Scan# 894

Delta R.T. -0.276 min

Lab File: BF137427.D

Acq: 28 Feb 2024 17:21

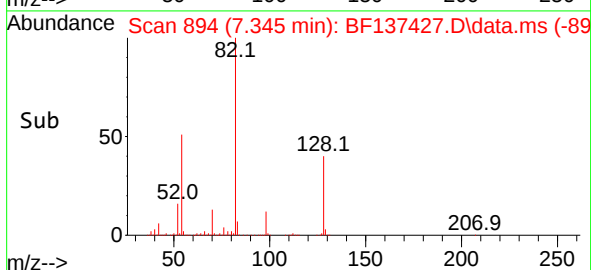
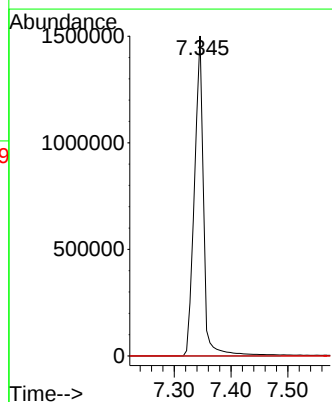
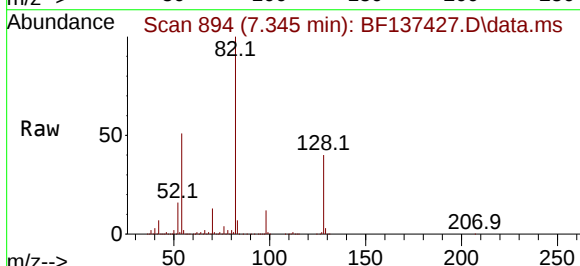
Tgt Ion: 82 Resp: 1693335

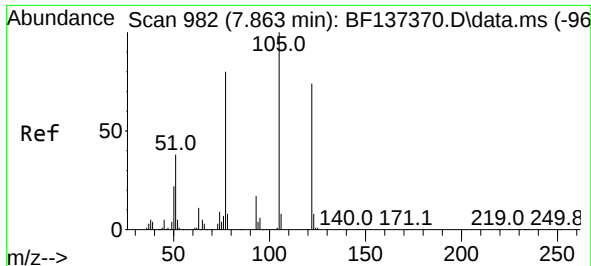
Ion Ratio Lower Upper

82 100

95 0.0 5.1 7.7#

138 0.0 12.2 18.4#

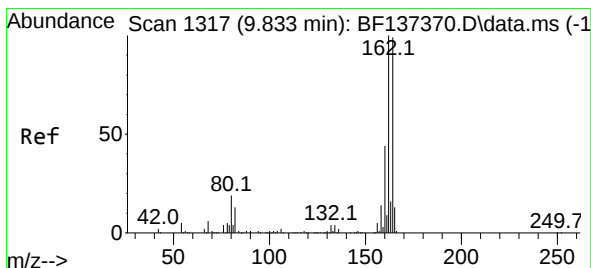
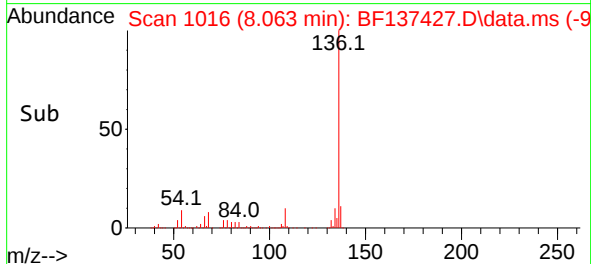
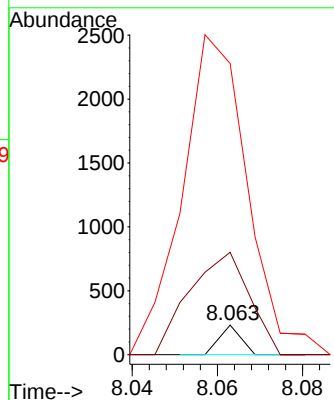
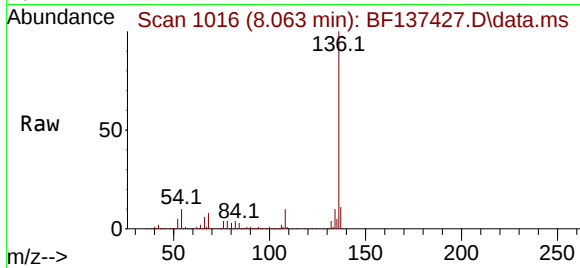




#32
Benzoic acid
Concen: 6.959 ng
RT: 8.063 min Scan# 1016
Delta R.T. 0.200 min
Lab File: BF137427.D
Acq: 28 Feb 2024 17:21

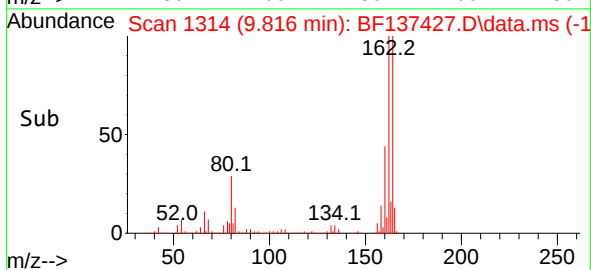
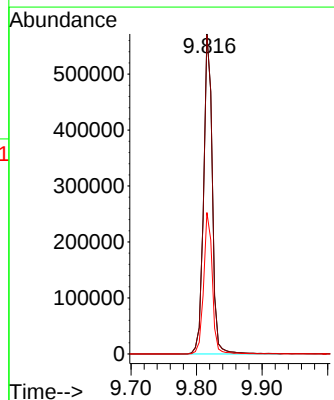
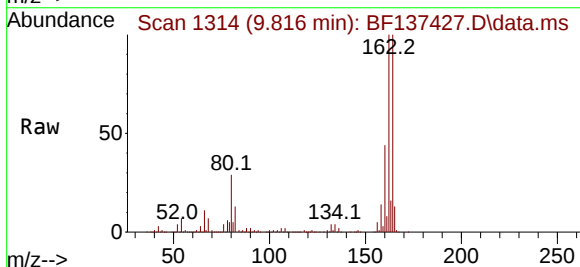
Instrument :
BNA_F
ClientSampleId :

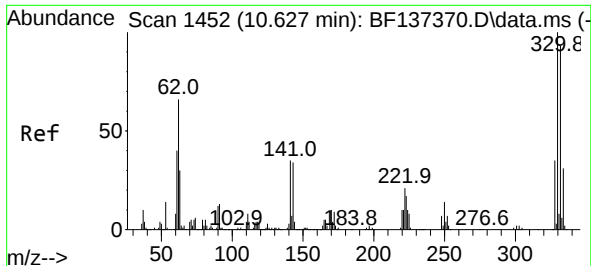
Tgt Ion:122 Resp: 82
Ion Ratio Lower Upper
122 100
105 345.3 101.1 141.1#
77 982.3 82.8 122.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.018 min
Lab File: BF137427.D
Acq: 28 Feb 2024 17:21

Tgt Ion:164 Resp: 529462
Ion Ratio Lower Upper
164 100
162 99.8 81.2 121.8
160 44.2 35.7 53.5





#42

2,4,6-Tribromophenol

Concen: 129.658 ng

RT: 10.616 min Scan# 1450

Delta R.T. -0.012 min

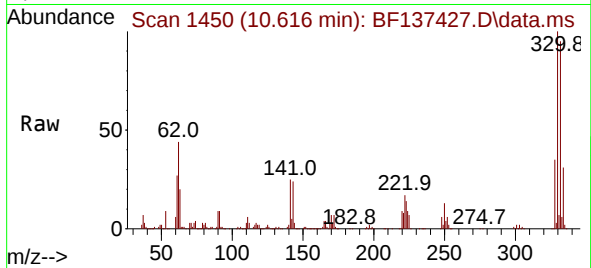
Lab File: BF137427.D

Acq: 28 Feb 2024 17:21

Instrument :

BNA_F

ClientSampleId :



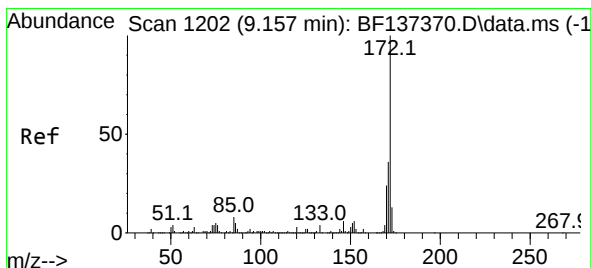
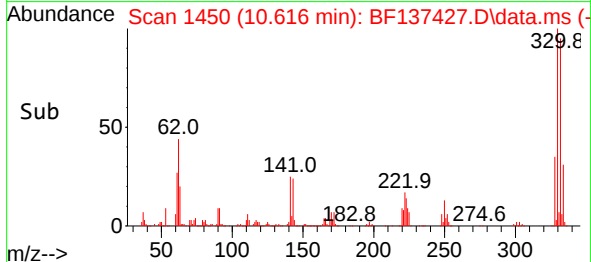
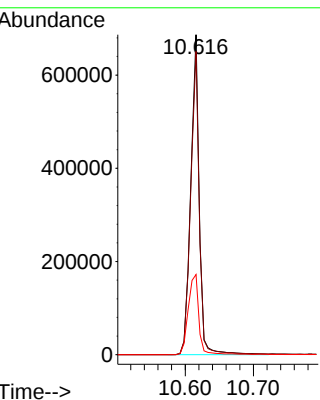
Tgt Ion:330 Resp: 597798

Ion Ratio Lower Upper

330 100

332 96.6 75.6 113.4

141 31.4 28.6 42.8



#45

2-Fluorobiphenyl

Concen: 78.247 ng

RT: 9.145 min Scan# 1200

Delta R.T. -0.012 min

Lab File: BF137427.D

Acq: 28 Feb 2024 17:21

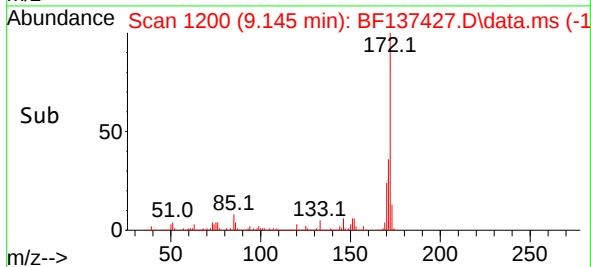
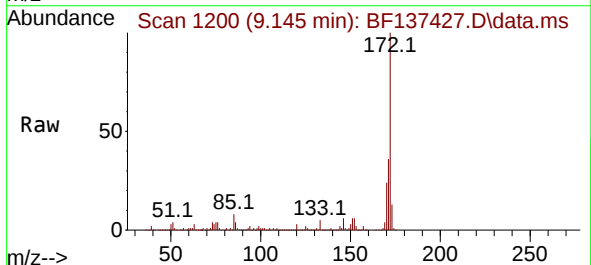
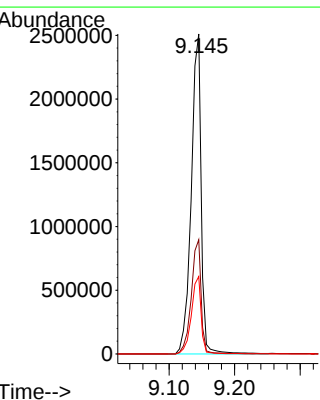
Tgt Ion:172 Resp: 2661087

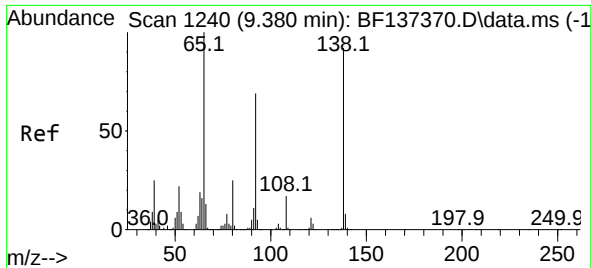
Ion Ratio Lower Upper

172 100

171 35.7 28.7 43.1

170 24.2 19.5 29.3

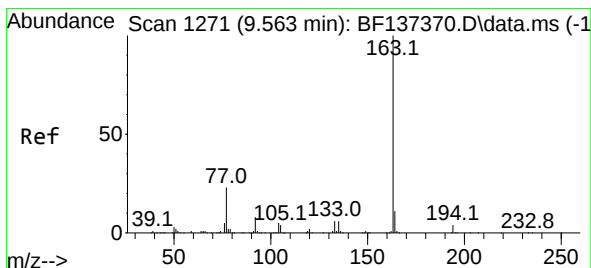
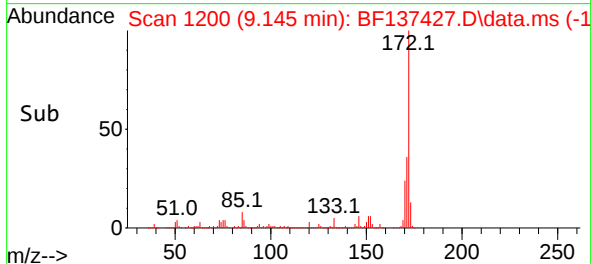
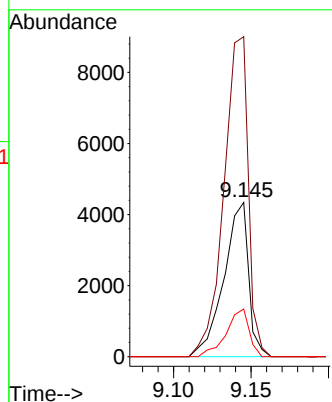
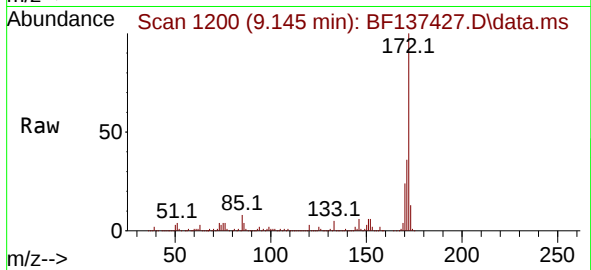




#48
2-Nitroaniline
Concen: 4.739 ng
RT: 9.145 min Scan# 11
Delta R.T. -0.235 min
Lab File: BF137427.D
Acq: 28 Feb 2024 17:21

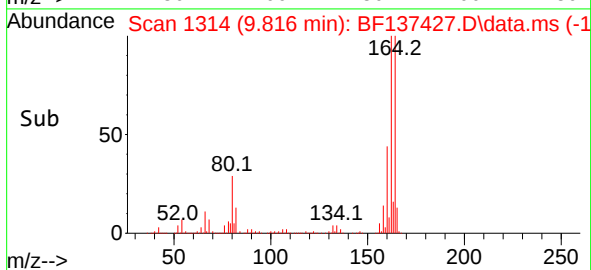
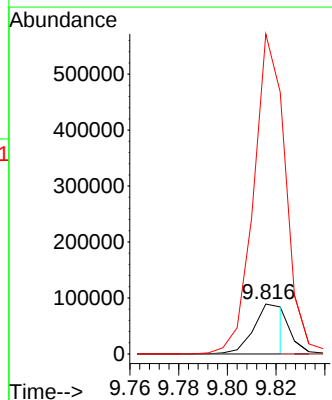
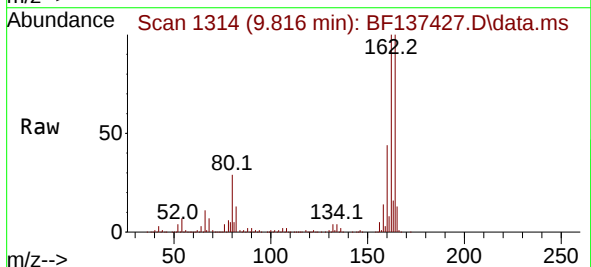
Instrument :
BNA_F
ClientSampleId :

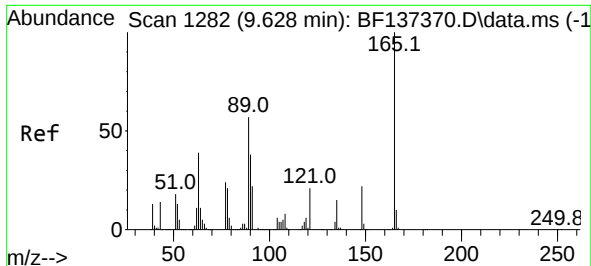
Tgt Ion: 65 Resp: 4813
Ion Ratio Lower Upper
65 100
92 207.5 55.0 82.6#
138 30.9 73.7 110.5#



#50
Dimethylphthalate
Concen: 2.129 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.253 min
Lab File: BF137427.D
Acq: 28 Feb 2024 17:21

Tgt Ion: 163 Resp: 77889
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.4#
164 640.4 8.5 12.7#





#51

2,6-Dinitrotoluene

Concen: 10.034 ng

RT: 9.816 min Scan# 1

Delta R.T. 0.188 min

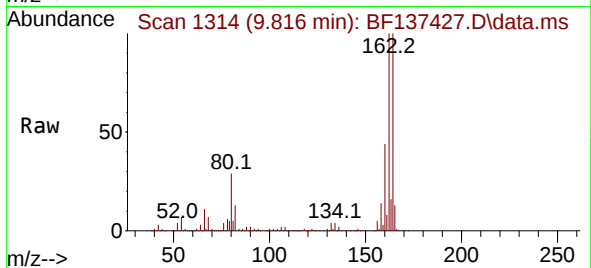
Lab File: BF137427.D

Acq: 28 Feb 2024 17:21

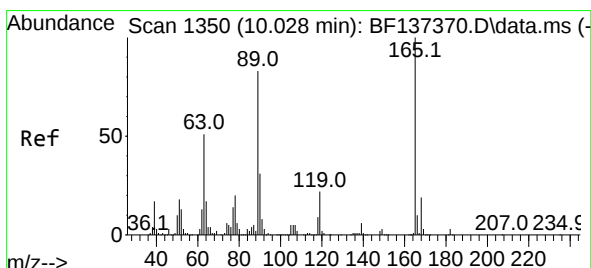
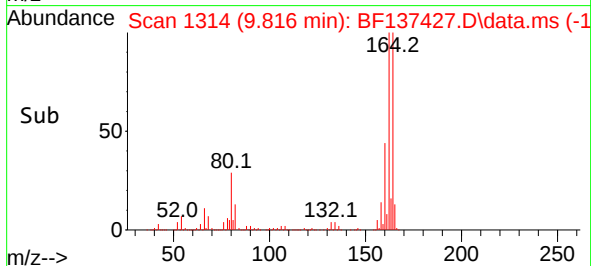
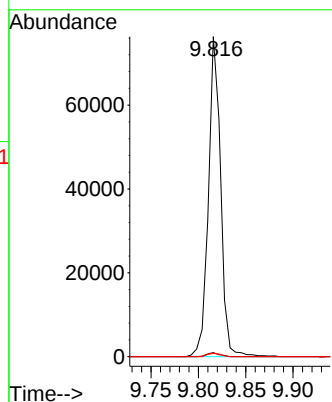
Instrument :

BNA_F

ClientSampleId :



Tgt Ion:	165	Resp:	68295
Ion Ratio	Lower	Upper	
165	100		
63	1.3	41.6	62.4#
89	1.0	45.8	68.6#



#57

2,4-Dinitrotoluene

Concen: 8.824 ng

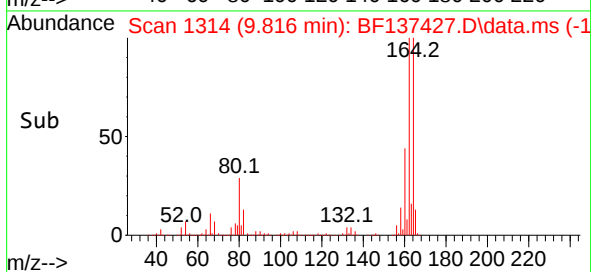
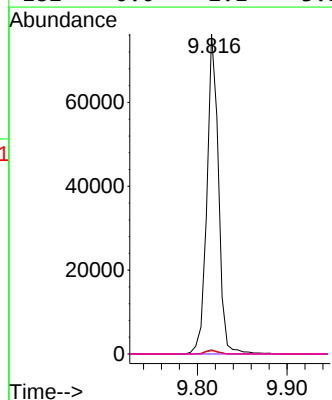
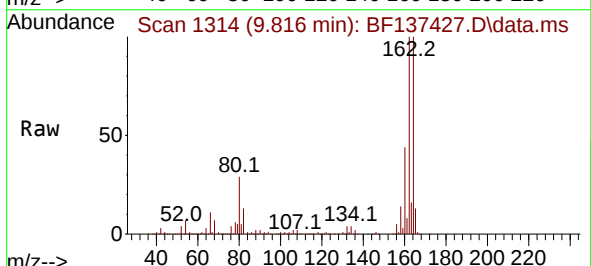
RT: 9.816 min Scan# 1314

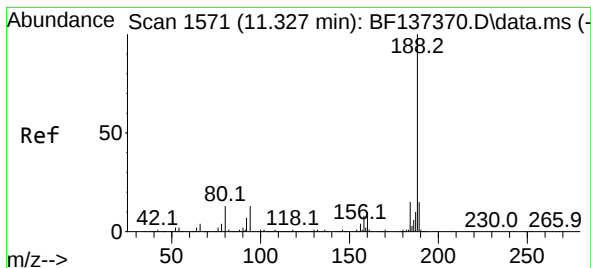
Delta R.T. -0.212 min

Lab File: BF137427.D

Acq: 28 Feb 2024 17:21

Tgt Ion:	165	Resp:	68296
Ion Ratio	Lower	Upper	
165	100		
63	1.3	41.1	61.7#
89	1.0	66.6	100.0#
182	0.0	2.1	3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.310 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF137427.D

Acq: 28 Feb 2024 17:21

Instrument :

BNA_F

ClientSampleId :

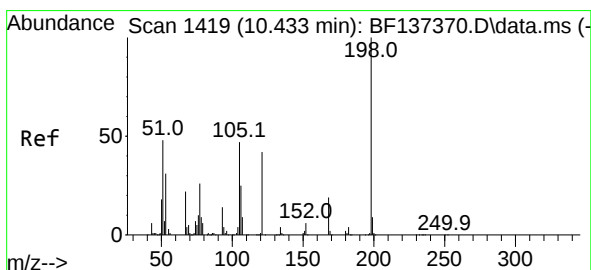
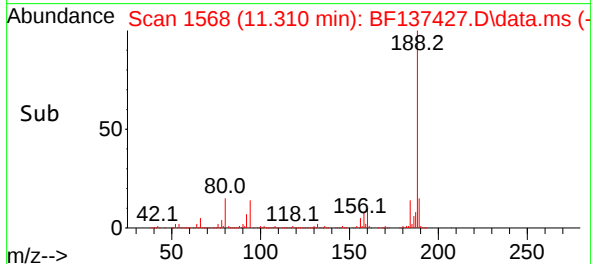
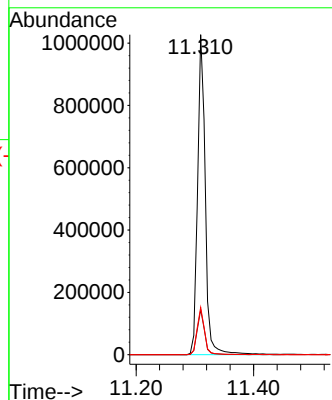
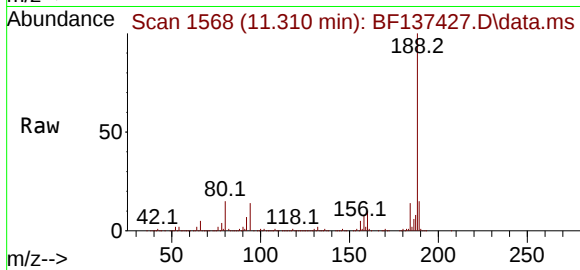
Tgt Ion:188 Resp: 939103

Ion Ratio Lower Upper

188 100

94 14.1 10.2 15.2

80 14.8 10.7 16.1



#65

4,6-Dinitro-2-methylphenol

Concen: 4.800 ng

RT: 10.610 min Scan# 1449

Delta R.T. 0.177 min

Lab File: BF137427.D

Acq: 28 Feb 2024 17:21

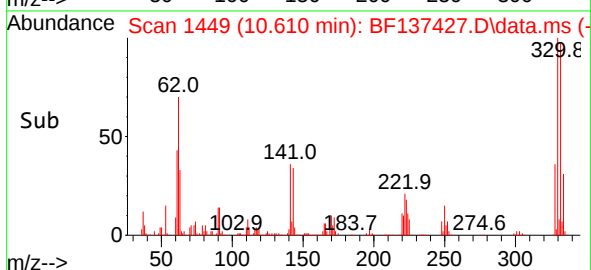
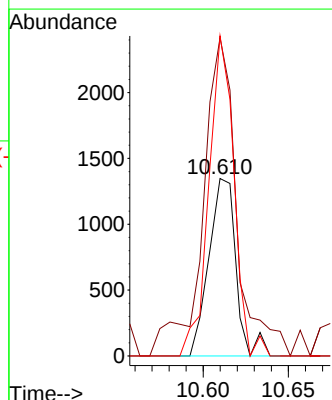
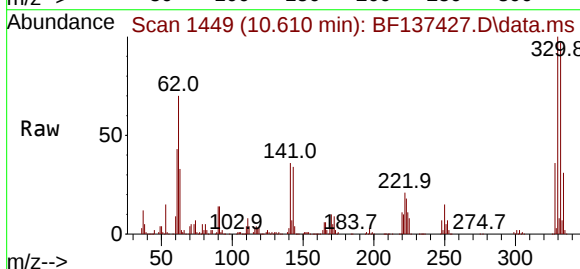
Tgt Ion:198 Resp: 1489

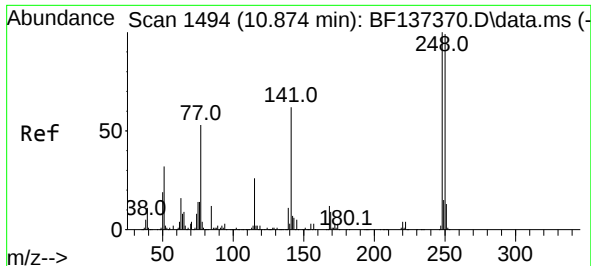
Ion Ratio Lower Upper

198 100

51 179.4 36.8 76.8#

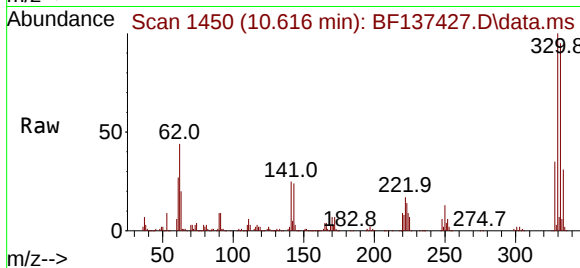
105 180.3 28.5 68.5#



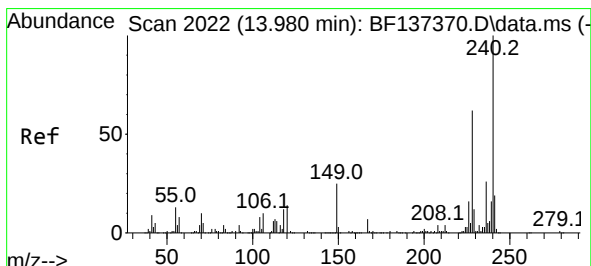
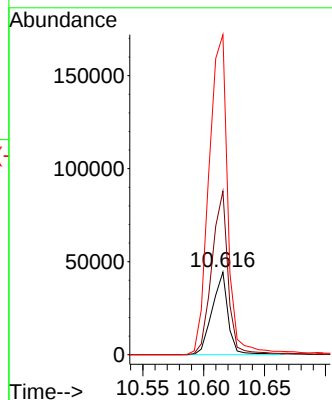
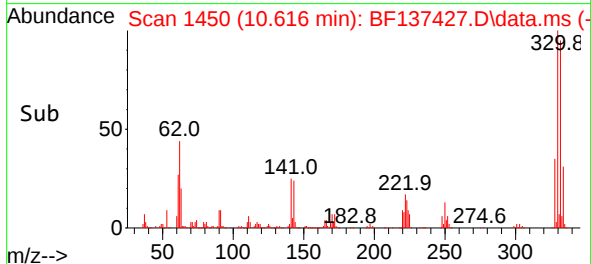


#67
4-Bromophenyl-phenylether
Concen: 4.014 ng
RT: 10.616 min Scan# 14
Delta R.T. -0.259 min
Lab File: BF137427.D
Acq: 28 Feb 2024 17:21

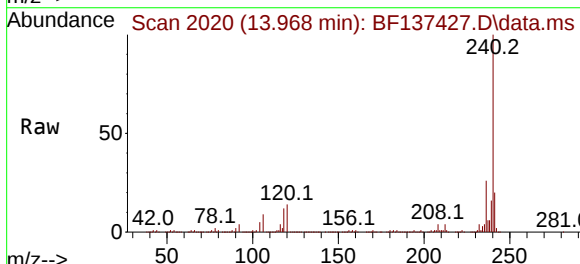
Instrument :
BNA_F
ClientSampleId :



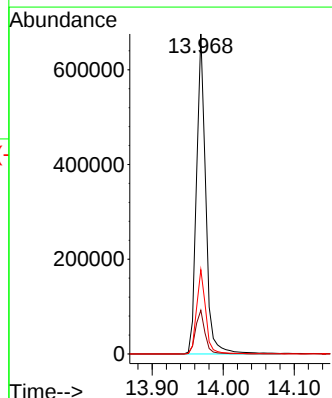
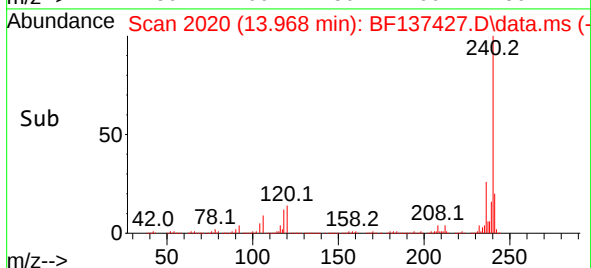
Tgt Ion:248 Resp: 40523
Ion Ratio Lower Upper
248 100
250 198.1 79.0 118.6#
141 387.9 49.9 74.9#

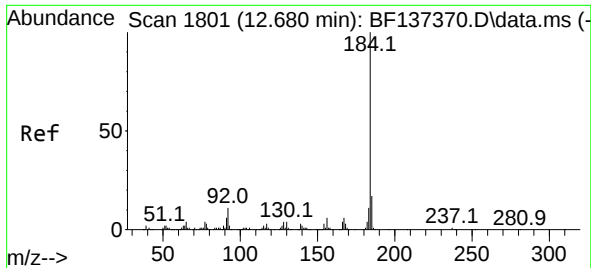


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2020
Delta R.T. -0.012 min
Lab File: BF137427.D
Acq: 28 Feb 2024 17:21



Tgt Ion:240 Resp: 614502
Ion Ratio Lower Upper
240 100
120 13.7 11.3 16.9
236 26.4 20.5 30.7

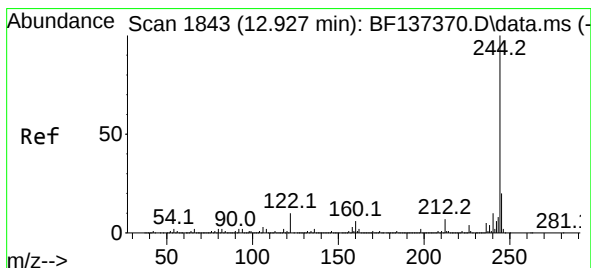
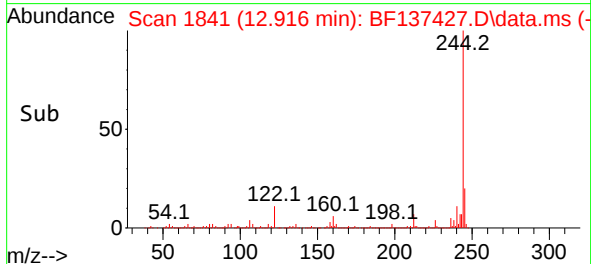
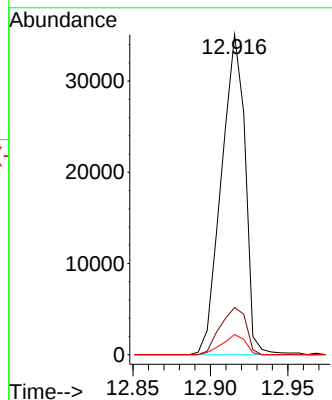
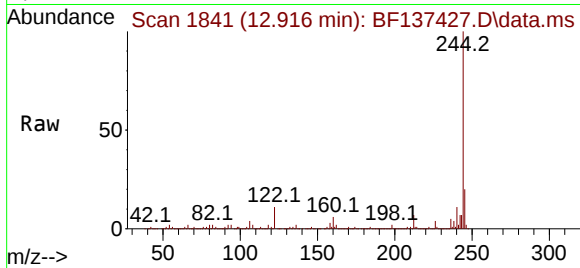




#77
Benzidine
Concen: 9.979 ng
RT: 12.916 min Scan# 1841
Delta R.T. 0.236 min
Lab File: BF137427.D
Acq: 28 Feb 2024 17:21

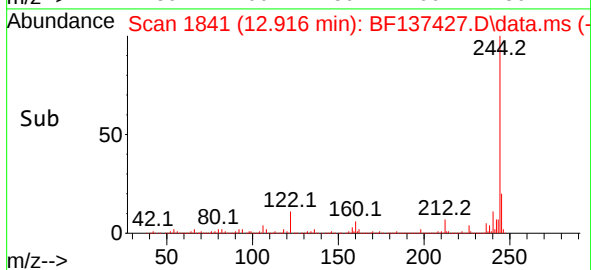
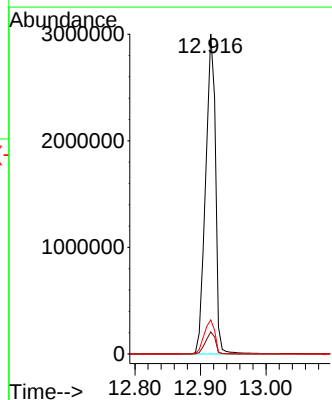
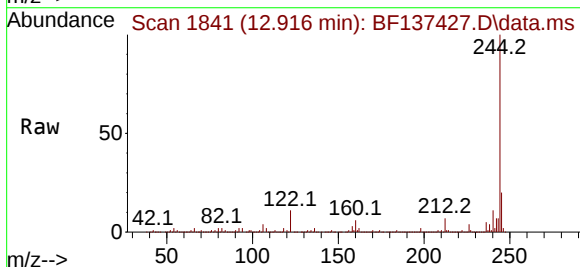
Instrument :
BNA_F
ClientSampleId :

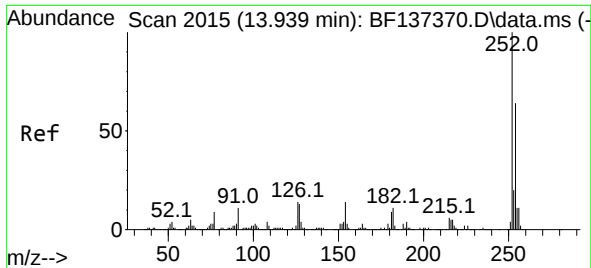
Tgt Ion:184 Resp: 37338
Ion Ratio Lower Upper
184 100
185 14.7 13.7 20.5
183 6.3 8.8 13.2#



#79
Terphenyl-d14
Concen: 72.205 ng
RT: 12.916 min Scan# 1841
Delta R.T. -0.012 min
Lab File: BF137427.D
Acq: 28 Feb 2024 17:21

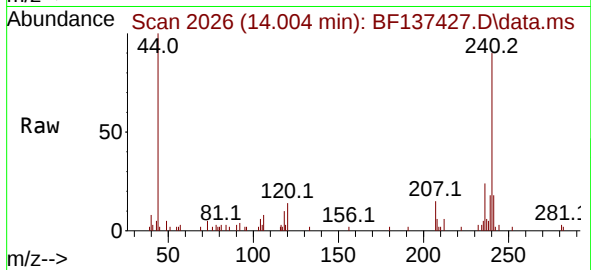
Tgt Ion:244 Resp: 3172290
Ion Ratio Lower Upper
244 100
212 6.9 5.3 7.9
122 10.7 8.2 12.4



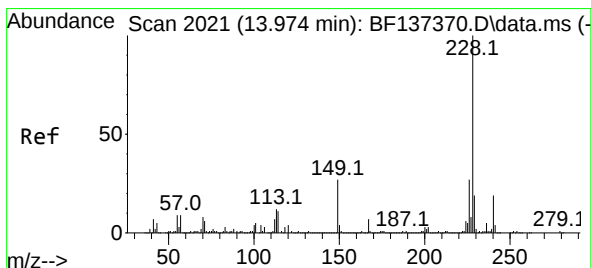
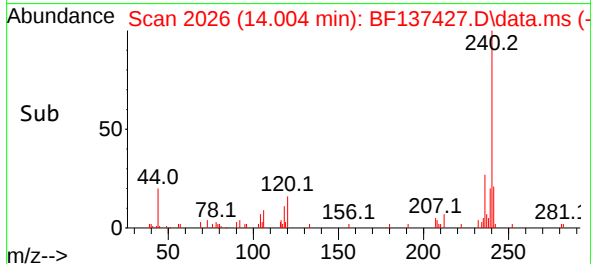
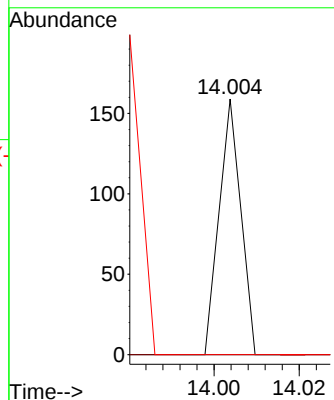


#82
 3,3'-Dichlorobenzidine
 Concen: 5.038 ng
 RT: 14.004 min Scan# 2015
 Delta R.T. 0.065 min
 Lab File: BF137427.D
 Acq: 28 Feb 2024 17:21

Instrument :
 BNA_F
 ClientSampleId :

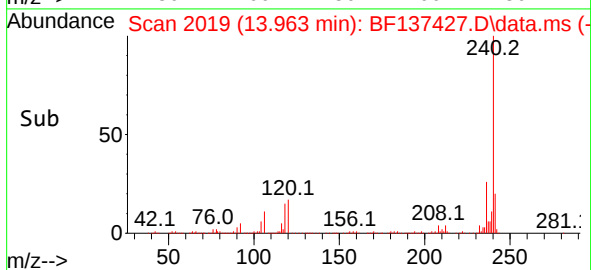
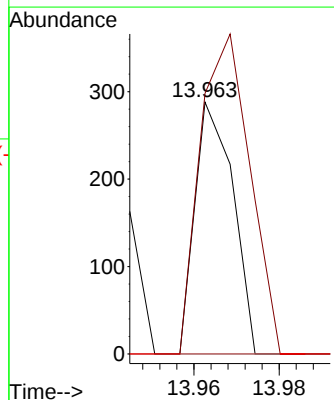
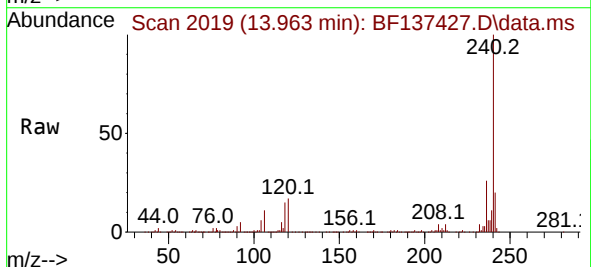


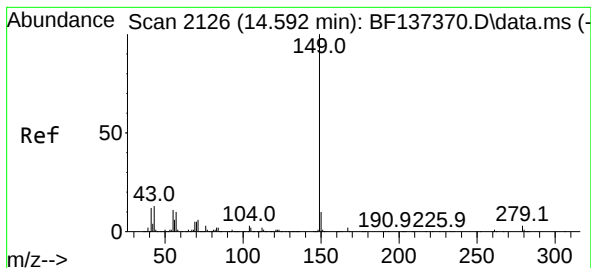
Tgt Ion:252 Resp: 56
 Ion Ratio Lower Upper
 252 100
 254 0.0 51.2 76.8#
 126 0.0 11.1 16.7#



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 4.103 ng
 RT: 13.963 min Scan# 2019
 Delta R.T. -0.011 min
 Lab File: BF137427.D
 Acq: 28 Feb 2024 17:21

Tgt Ion:149 Resp: 178
 Ion Ratio Lower Upper
 149 100
 167 103.5 20.6 31.0#
 279 0.0 2.7 4.1#





#85

Di-n-octyl phthalate

Concen: 6.031 ng

RT: 14.574 min Scan# 2126

Delta R.T. -0.018 min

Lab File: BF137427.D

Acq: 28 Feb 2024 17:21

Instrument :

BNA_F

ClientSampleId :

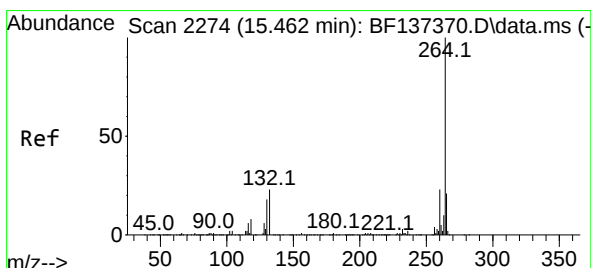
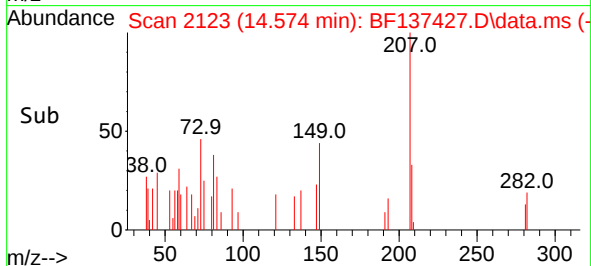
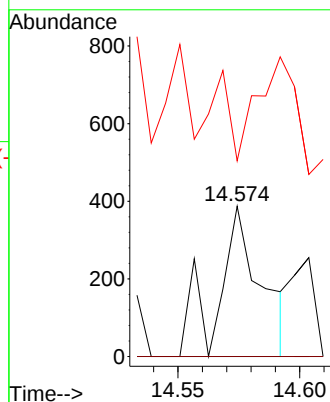
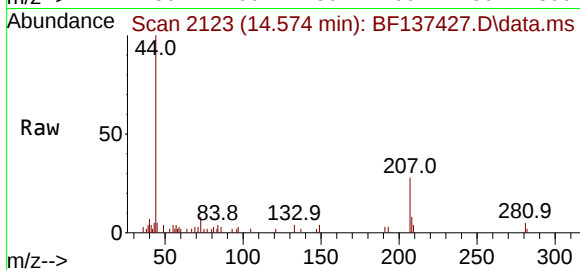
Tgt Ion:149 Resp: 477

Ion Ratio Lower Upper

149 100

167 0.0 1.2 1.8#

43 74.2 13.7 20.5#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.457 min Scan# 2273

Delta R.T. -0.006 min

Lab File: BF137427.D

Acq: 28 Feb 2024 17:21

Tgt Ion:264 Resp: 468656

Ion Ratio Lower Upper

264 100

260 24.9 18.5 27.7

265 21.8 16.9 25.3

