

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022824\
 Data File : BF137435.D
 Acq On : 28 Feb 2024 21:19
 Operator : CG\JU
 Sample : P1538-11RX
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 29 03:17:31 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)

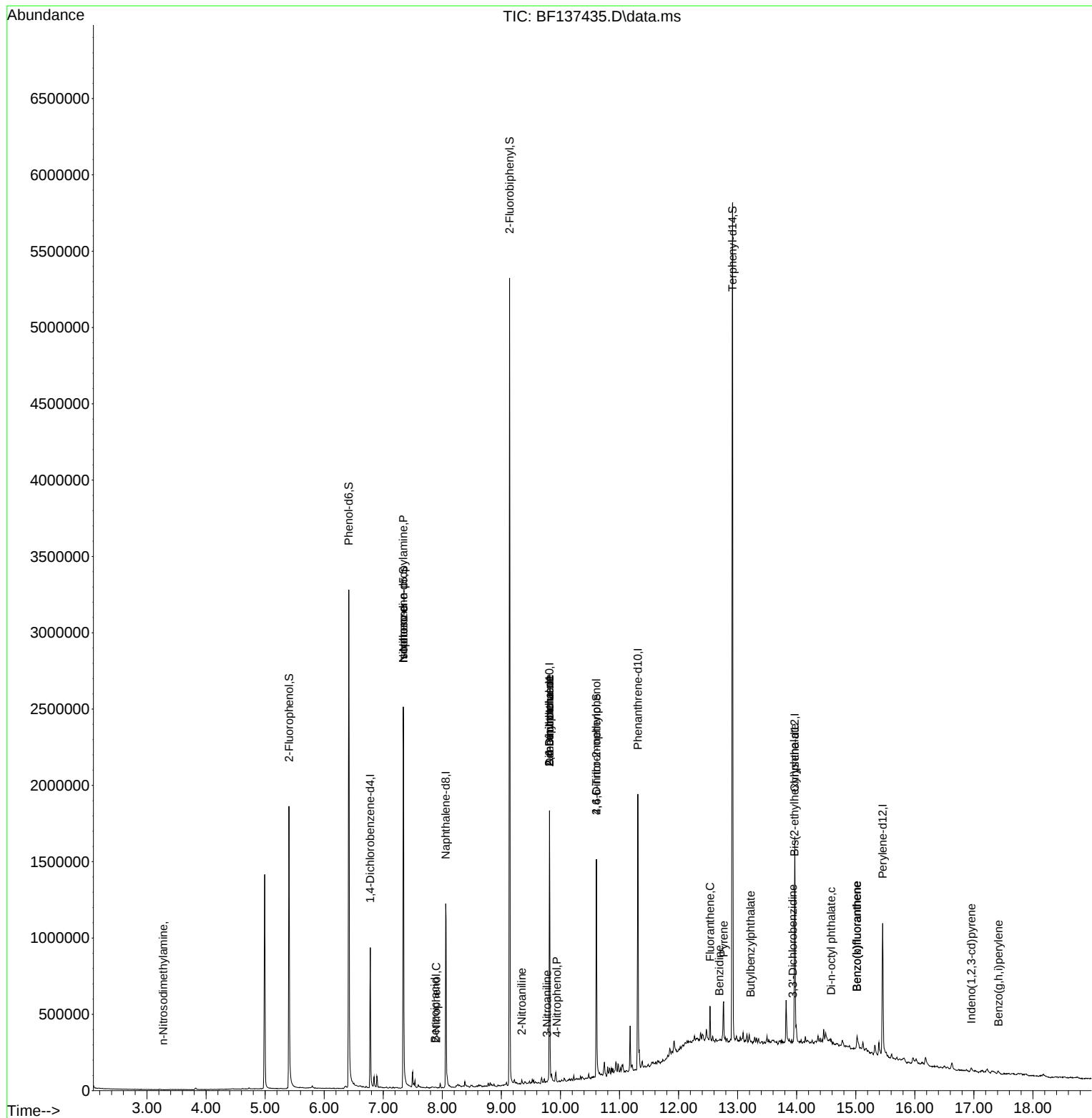
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	131239	20.000	ng	-0.02
21) Naphthalene-d8	8.057	136	541629	20.000	ng	-0.02
39) Acenaphthene-d10	9.816	164	329974	20.000	ng	-0.02
64) Phenanthrene-d10	11.310	188	626447	20.000	ng	-0.02
76) Chrysene-d12	13.968	240	423879	20.000	ng	-0.01
86) Perylene-d12	15.457	264	395853	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	524880	61.712	ng	-0.02
7) Phenol-d6	6.416	99	1211076	96.797	ng	-0.02
23) Nitrobenzene-d5	7.339	82	863848	79.625	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	141440	49.223	ng	-0.02
45) 2-Fluorobiphenyl	9.139	172	1512631	71.367	ng	-0.02
79) Terphenyl-d14	12.915	244	1959107	64.645	ng	-0.01
Target Compounds					Qvalue	
4) n-Nitrosodimethylamine	3.275	42	302	5.167	ng	# 1
19) n-Nitroso-di-n-propyla...	7.339	70	110776	14.368	ng	# 83
25) Isophorone	7.339	82	863837	38.503	ng	# 69
26) 2-Nitrophenol	7.898	139	196	2.946	ng	# 1
32) Benzoic acid	7.875	122	470	7.030	ng	# 71
48) 2-Nitroaniline	9.345	65	903	4.392	ng	# 45
50) Dimethylphthalate	9.816	163	50374	2.209	ng	# 1
51) 2,6-Dinitrotoluene	9.816	165	45279	10.674	ng	# 26
53) 3-Nitroaniline	9.775	138	236	2.406	ng	# 44
56) 4-Nitrophenol	9.939	139	308	4.919	ng	# 1
57) 2,4-Dinitrotoluene	9.816	165	45624	9.382	ng	# 18
65) 4,6-Dinitro-2-methylph...	10.610	198	347	4.609	ng	# 1
75) Fluoranthene	12.533	202	77876	2.308	ng	99
77) Benzidine	12.692	184	763	7.024	ng	# 1
78) Pyrene	12.763	202	104953	2.619	ng	99
80) Butylbenzylphthalate	13.221	149	749	4.145	ng	97
82) 3,3'-Dichlorobenzidine	13.933	252	364	5.081	ng	# 36
84) Bis(2-ethylhexyl)phtha...	13.962	149	25701	7.949	ng	# 90
85) Di-n-octyl phthalate	14.586	149	1654	6.179	ng	# 1
87) Indeno(1,2,3-cd)pyrene	16.956	276	16228	2.440	ng	95
88) Benzo(b)fluoranthene	15.021	252	61807	2.545	ng	# 90
89) Benzo(k)fluoranthene	15.021	252	61807	2.428	ng	# 90
92) Benzo(g,h,i)perylene	17.415	276	17769	2.802	ng	95

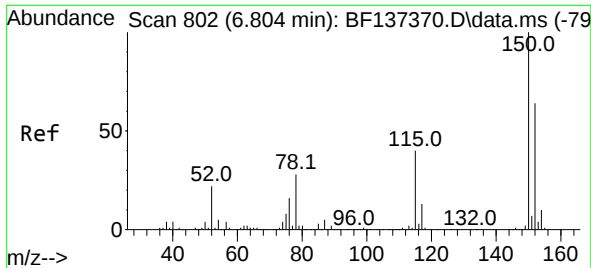
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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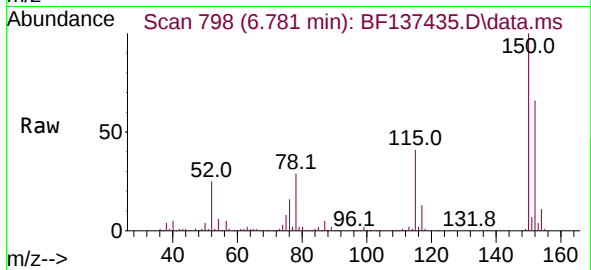
Quant Time: Feb 29 03:17:31 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022324.M
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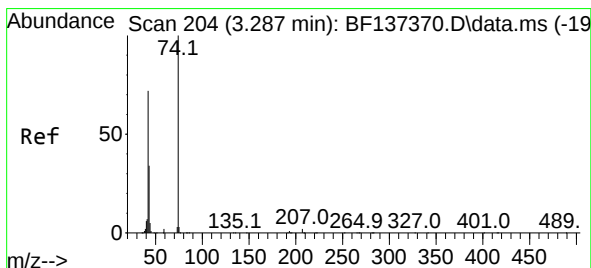
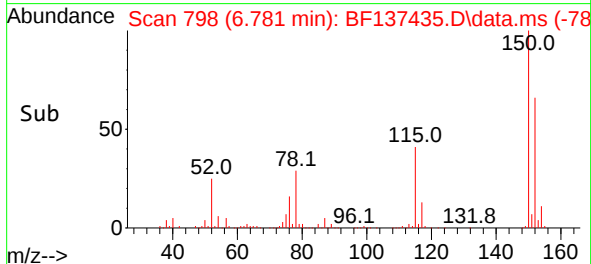
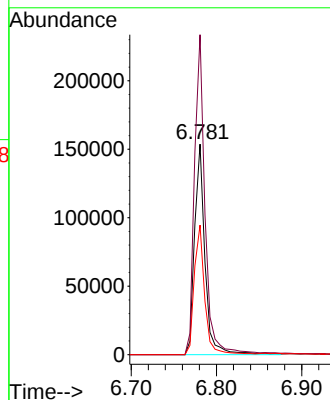


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.023 min
Lab File: BF137435.D
Acq: 28 Feb 2024 21:19

Instrument :
BNA_F
ClientSampleId :

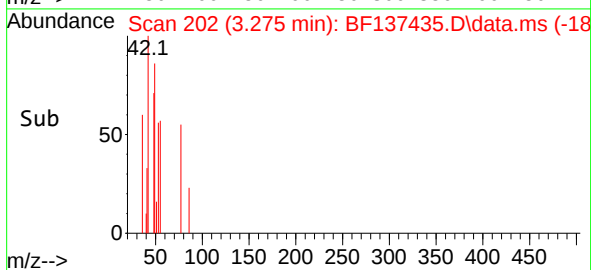
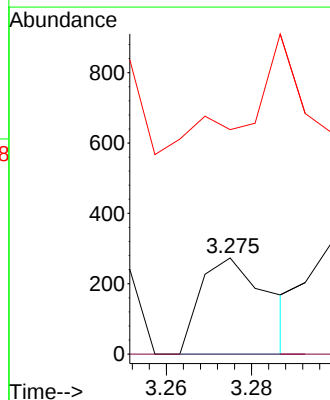
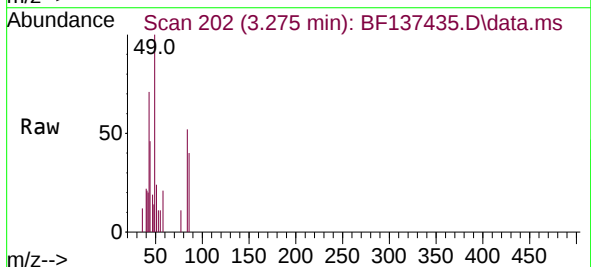


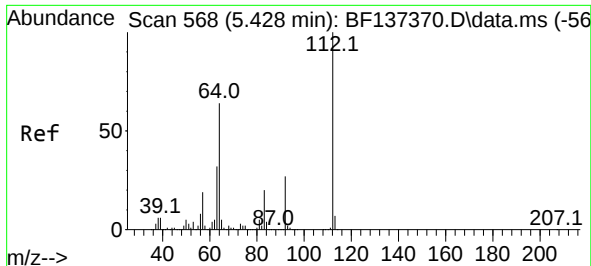
Tgt Ion:152 Resp: 131239
Ion Ratio Lower Upper
152 100
150 151.9 125.7 188.5
115 61.6 49.8 74.8



#4
n-Nitrosodimethylamine
Concen: 5.167 ng
RT: 3.275 min Scan# 202
Delta R.T. -0.012 min
Lab File: BF137435.D
Acq: 28 Feb 2024 21:19

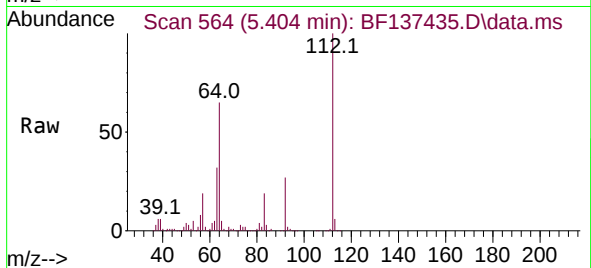
Tgt Ion: 42 Resp: 302
Ion Ratio Lower Upper
42 100
74 0.0 110.8 166.2#
44 233.7 6.0 9.0#



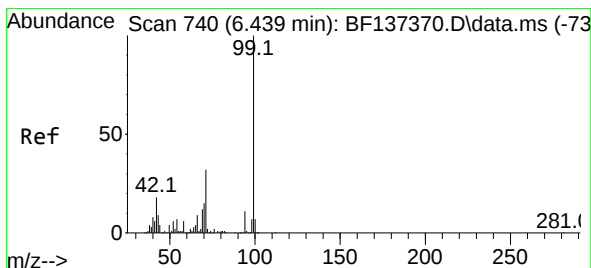
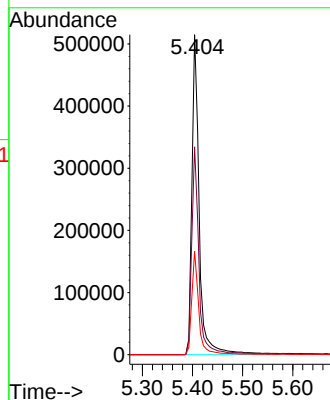
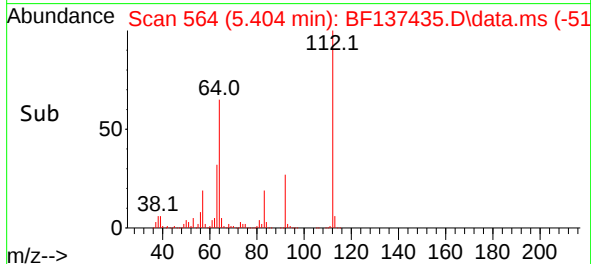


#5
2-Fluorophenol
Concen: 61.712 ng
RT: 5.404 min Scan# 50
Delta R.T. -0.024 min
Lab File: BF137435.D
Acq: 28 Feb 2024 21:19

Instrument :
BNA_F
ClientSampleId :

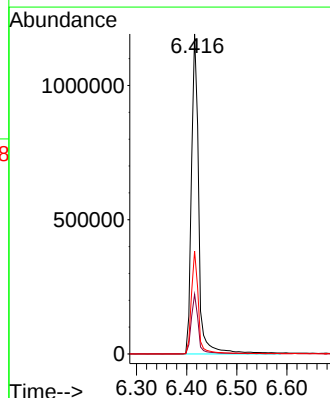
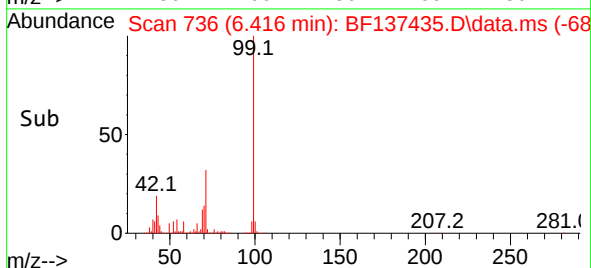
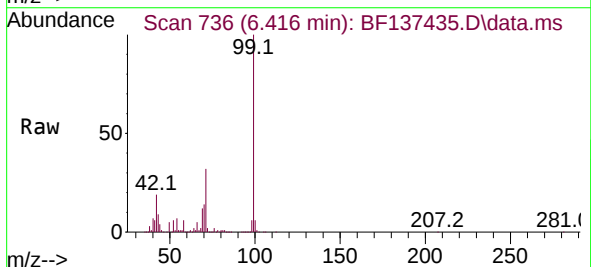


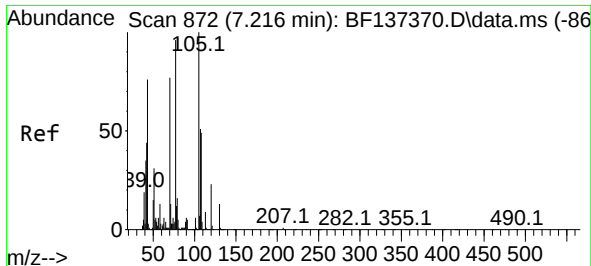
Tgt Ion:112 Resp: 524880
Ion Ratio Lower Upper
112 100
64 64.9 51.0 76.6
63 32.4 25.7 38.5



#7
Phenol-d6
Concen: 96.797 ng
RT: 6.416 min Scan# 736
Delta R.T. -0.024 min
Lab File: BF137435.D
Acq: 28 Feb 2024 21:19

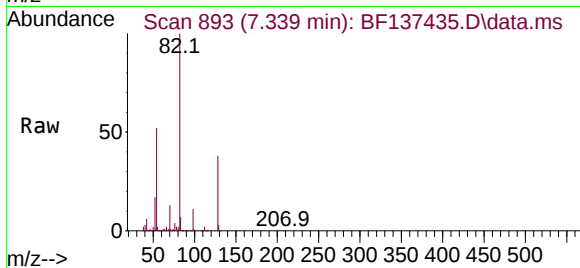
Tgt Ion: 99 Resp: 1211076
Ion Ratio Lower Upper
99 100
42 18.6 14.2 21.4
71 32.2 25.2 37.8



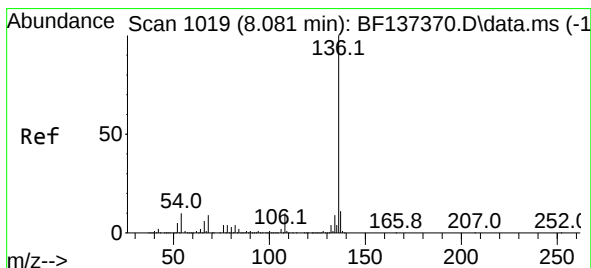
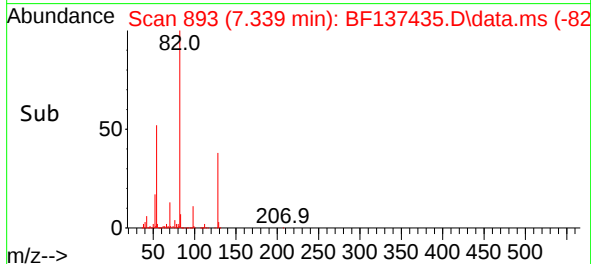
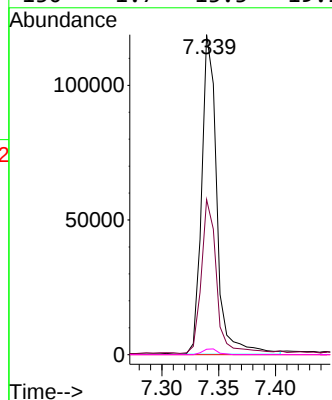


#19
n-Nitroso-di-n-propylamine
Concen: 14.368 ng
RT: 7.339 min Scan# 89
Delta R.T. 0.123 min
Lab File: BF137435.D
Acq: 28 Feb 2024 21:19

Instrument :
BNA_F
ClientSampleId :

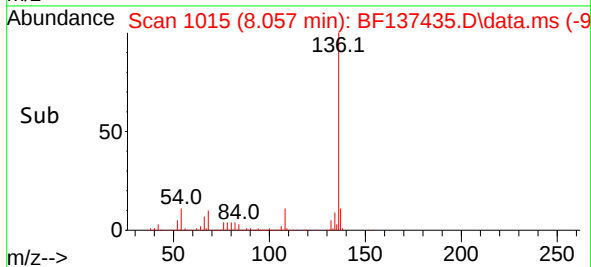
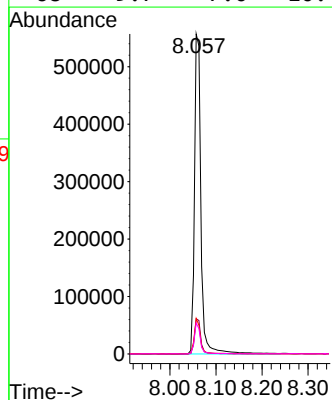
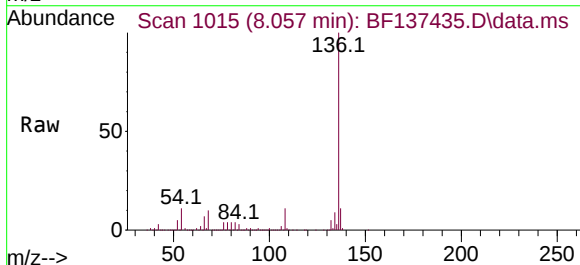


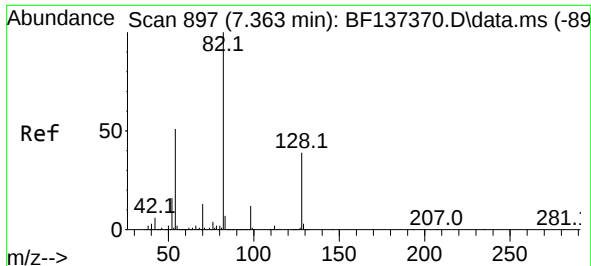
Tgt Ion: 70 Resp: 110776
Ion Ratio Lower Upper
70 100
42 48.5 45.3 67.9
101 0.0 6.5 9.7#
130 1.7 13.3 19.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.024 min
Lab File: BF137435.D
Acq: 28 Feb 2024 21:19

Tgt Ion:136 Resp: 541629
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.4
54 11.1 7.8 11.6
68 9.7 7.0 10.4





#23

Nitrobenzene-d5

Concen: 79.625 ng

RT: 7.339 min Scan# 893

Delta R.T. -0.024 min

Lab File: BF137435.D

Acq: 28 Feb 2024 21:19

Instrument :

BNA_F

ClientSampleId :

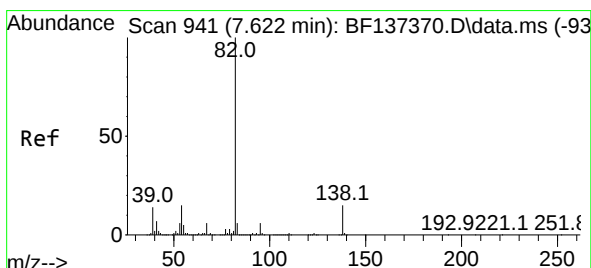
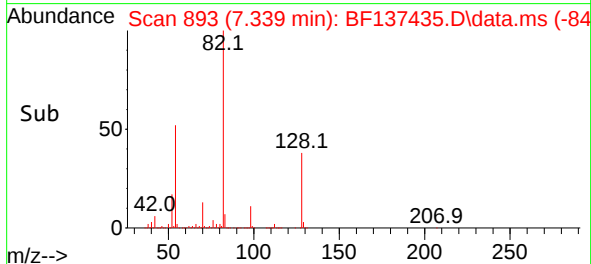
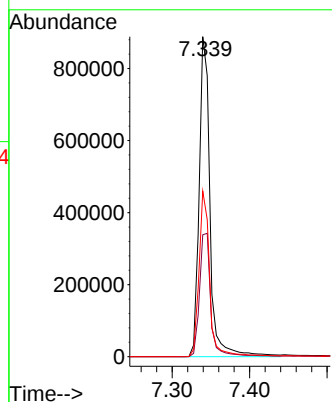
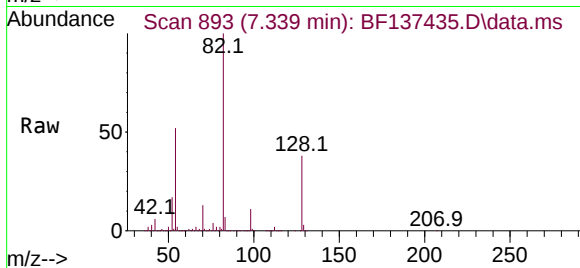
Tgt Ion: 82 Resp: 863848

Ion Ratio Lower Upper

82 100

128 38.1 30.8 46.2

54 51.7 40.8 61.2



#25

Isophorone

Concen: 38.503 ng

RT: 7.339 min Scan# 893

Delta R.T. -0.282 min

Lab File: BF137435.D

Acq: 28 Feb 2024 21:19

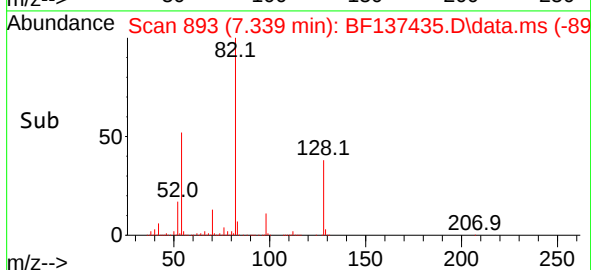
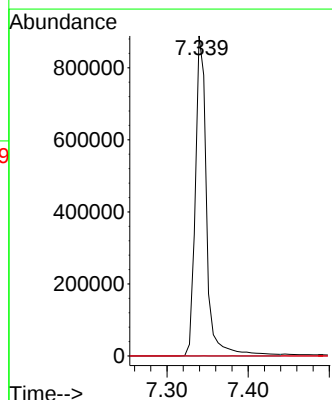
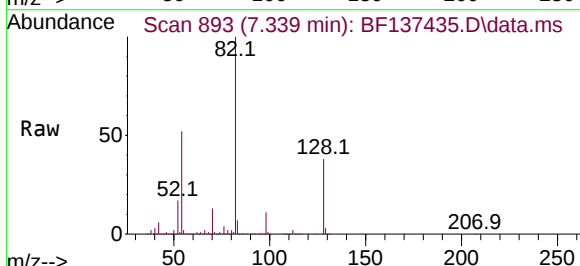
Tgt Ion: 82 Resp: 863837

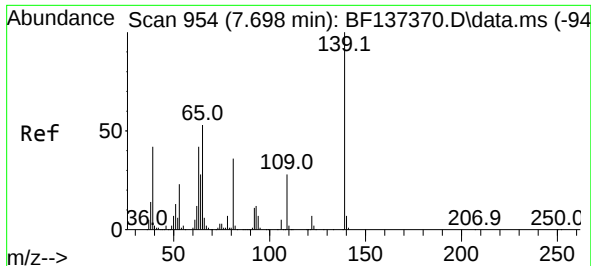
Ion Ratio Lower Upper

82 100

95 0.0 5.1 7.7#

138 0.0 12.2 18.4#

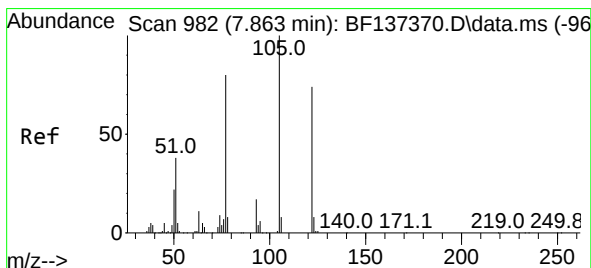
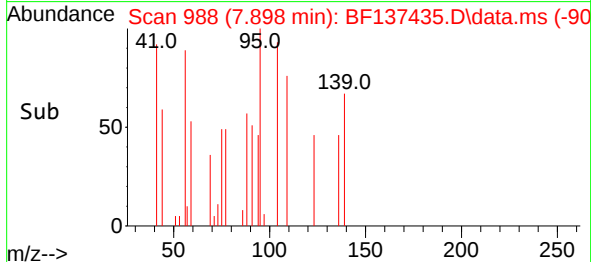
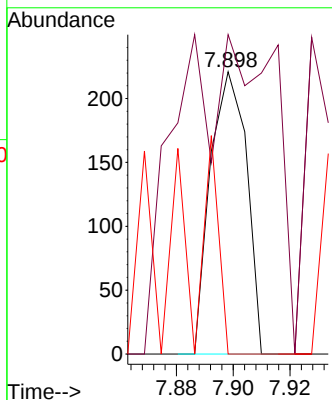
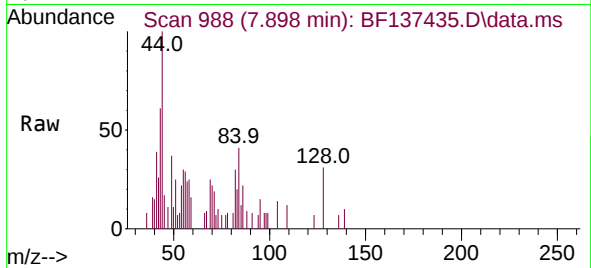




#26
2-Nitrophenol
Concen: 2.946 ng
RT: 7.898 min Scan# 91
Delta R.T. 0.200 min
Lab File: BF137435.D
Acq: 28 Feb 2024 21:19

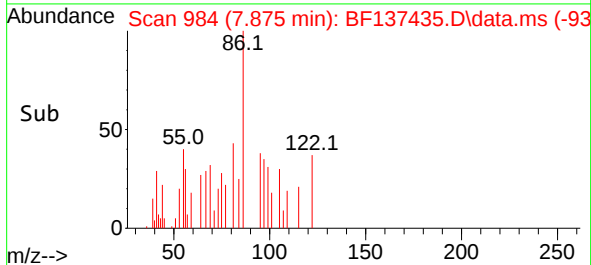
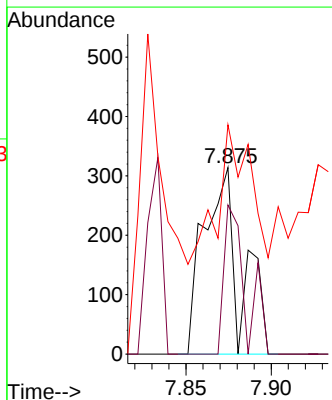
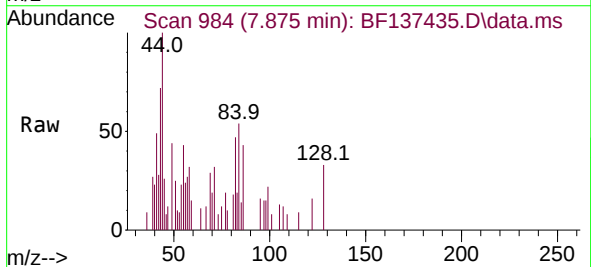
Instrument :
BNA_F
ClientSampleId :

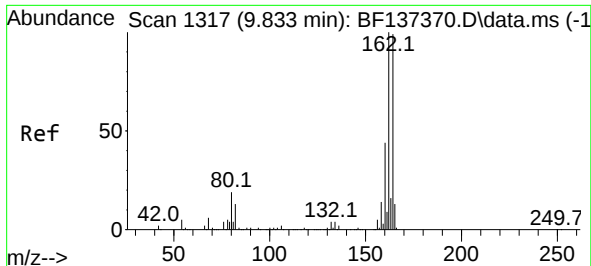
Tgt Ion:139 Resp: 196
Ion Ratio Lower Upper
139 100
109 113.1 22.5 33.7#
65 0.0 42.3 63.5#



#32
Benzoic acid
Concen: 7.030 ng
RT: 7.875 min Scan# 984
Delta R.T. 0.012 min
Lab File: BF137435.D
Acq: 28 Feb 2024 21:19

Tgt Ion:122 Resp: 470
Ion Ratio Lower Upper
122 100
105 79.9 101.1 141.1#
77 122.9 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: BF137435.D

Acq: 28 Feb 2024 21:19

Instrument :

BNA_F

ClientSampleId :

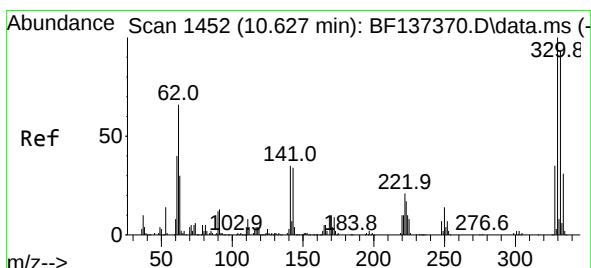
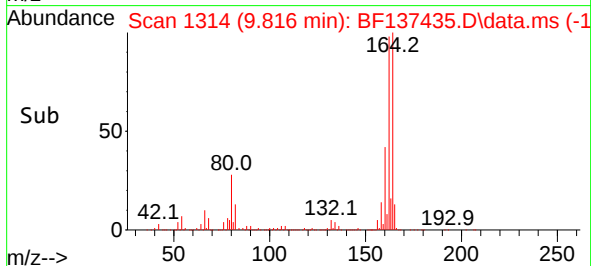
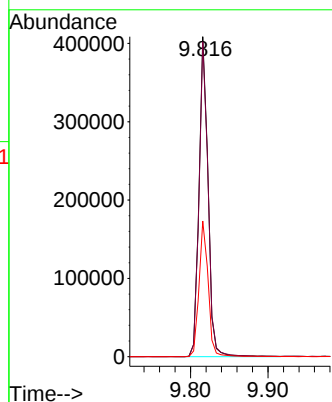
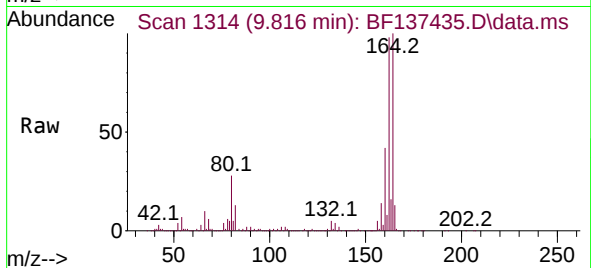
Tgt Ion:164 Resp: 329974

Ion Ratio Lower Upper

164 100

162 98.4 81.2 121.8

160 42.4 35.7 53.5



#42

2,4,6-Tribromophenol

Concen: 49.223 ng

RT: 10.610 min Scan# 1449

Delta R.T. -0.018 min

Lab File: BF137435.D

Acq: 28 Feb 2024 21:19

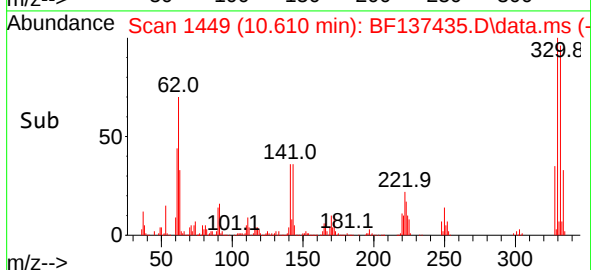
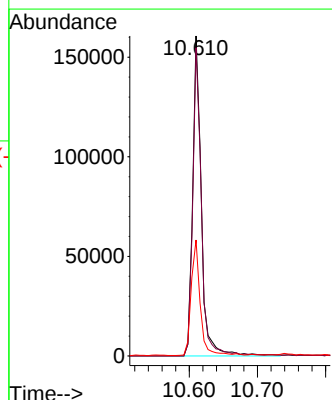
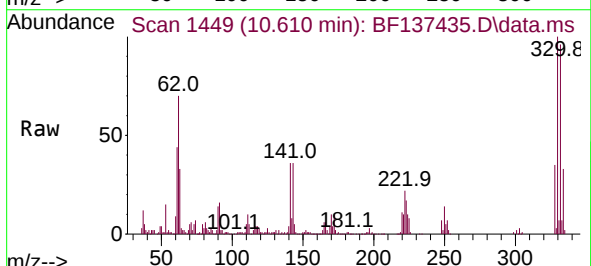
Tgt Ion:330 Resp: 141440

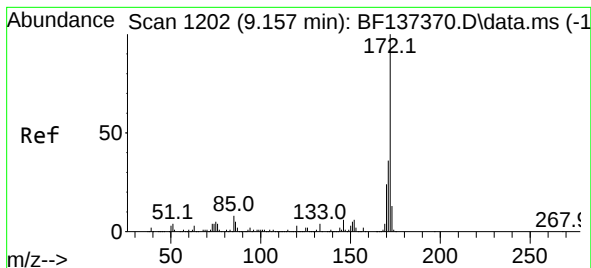
Ion Ratio Lower Upper

330 100

332 95.7 75.6 113.4

141 37.4 28.6 42.8





#45

2-Fluorobiphenyl

Concen: 71.367 ng

RT: 9.139 min Scan# 1199

Delta R.T. -0.018 min

Lab File: BF137435.D

Acq: 28 Feb 2024 21:19

Instrument :

BNA_F

ClientSampleId :

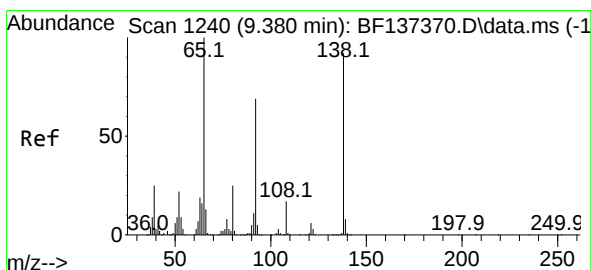
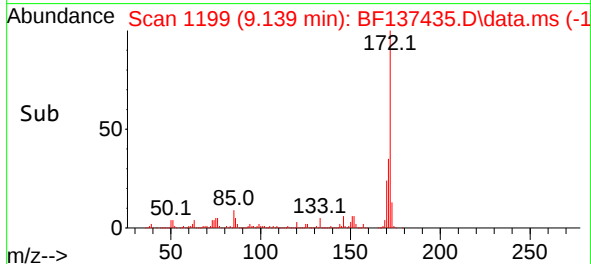
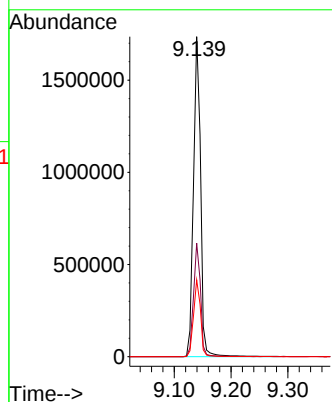
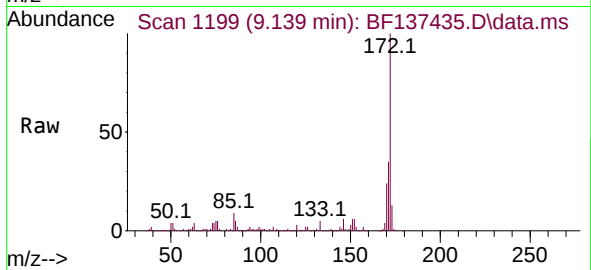
Tgt Ion:172 Resp: 1512631

Ion Ratio Lower Upper

172 100

171 35.5 28.7 43.1

170 24.0 19.5 29.3



#48

2-Nitroaniline

Concen: 4.392 ng

RT: 9.345 min Scan# 1234

Delta R.T. -0.035 min

Lab File: BF137435.D

Acq: 28 Feb 2024 21:19

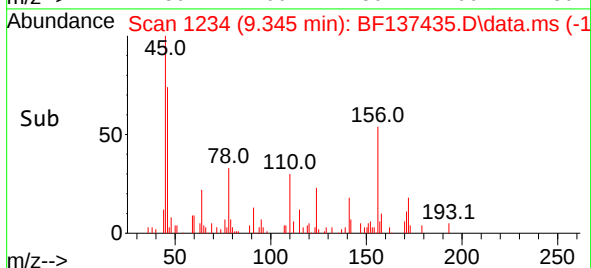
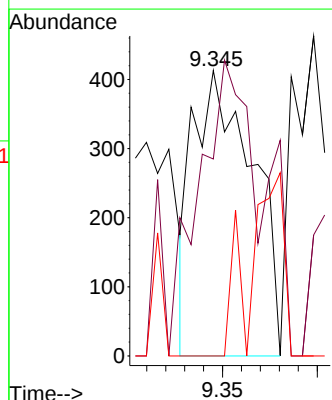
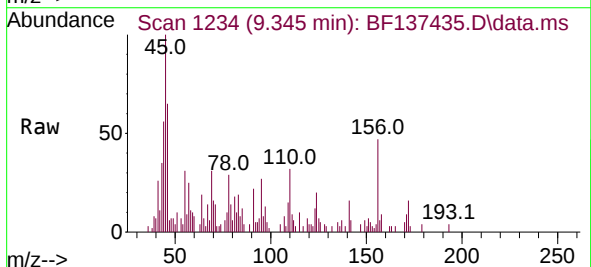
Tgt Ion: 65 Resp: 903

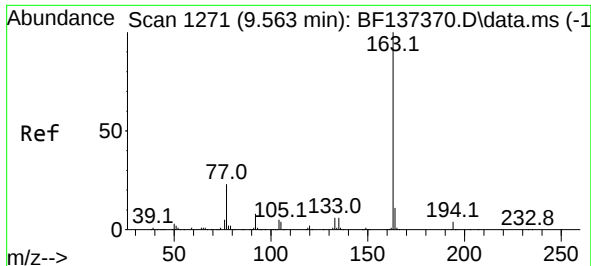
Ion Ratio Lower Upper

65 100

92 69.0 55.0 82.6

138 0.0 73.7 110.5#

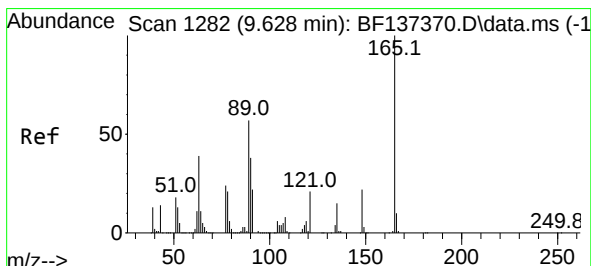
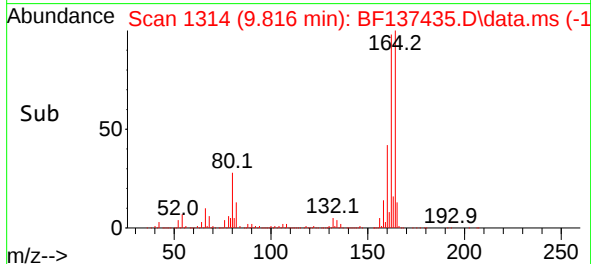
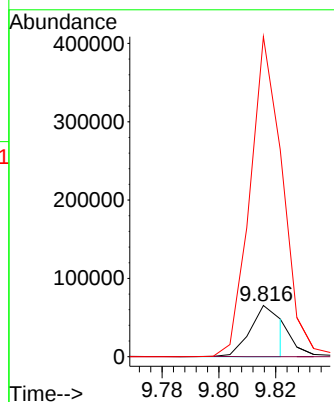
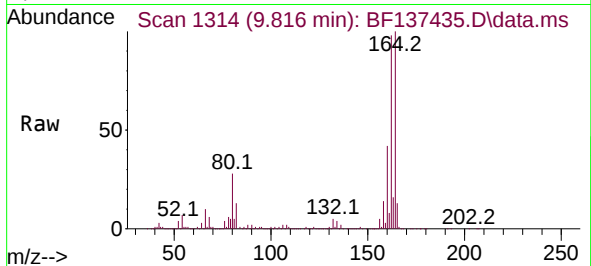




#50
Dimethylphthalate
Concen: 2.209 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.253 min
Lab File: BF137435.D
Acq: 28 Feb 2024 21:19

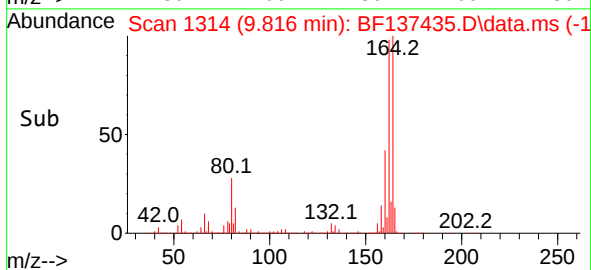
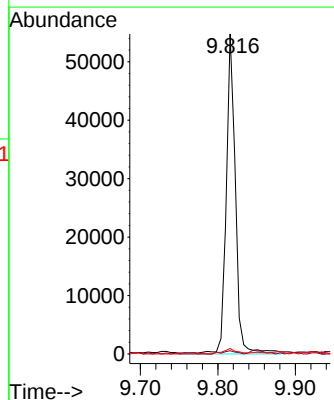
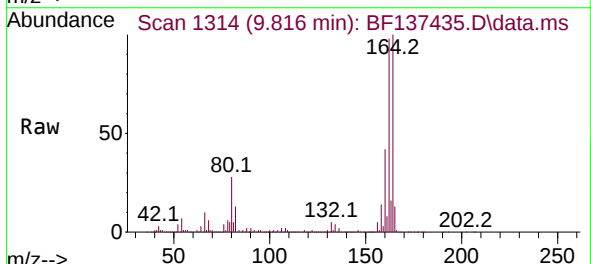
Instrument :
BNA_F
ClientSampleId :

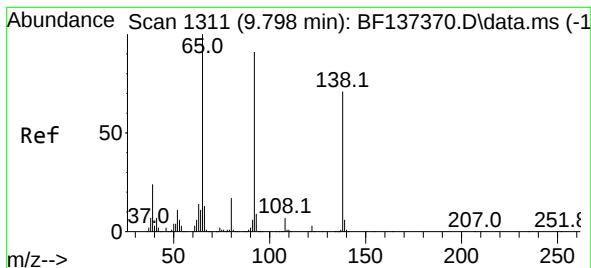
Tgt Ion:163 Resp: 50374
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.4#
164 624.4 8.5 12.7#



#51
2,6-Dinitrotoluene
Concen: 10.674 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.188 min
Lab File: BF137435.D
Acq: 28 Feb 2024 21:19

Tgt Ion:165 Resp: 45279
Ion Ratio Lower Upper
165 100
63 1.0 41.6 62.4#
89 1.7 45.8 68.6#





#53

3-Nitroaniline

Concen: 2.406 ng

RT: 9.775 min Scan# 11

Delta R.T. -0.023 min

Lab File: BF137435.D

Acq: 28 Feb 2024 21:19

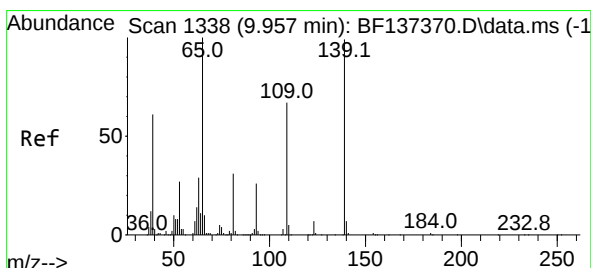
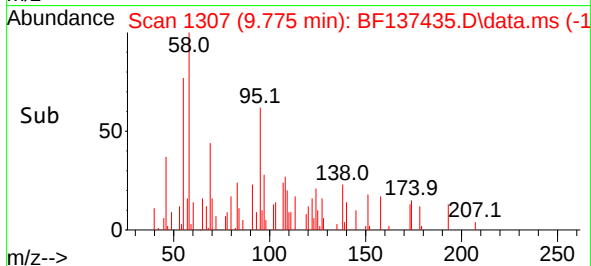
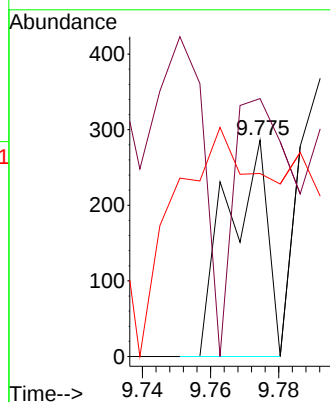
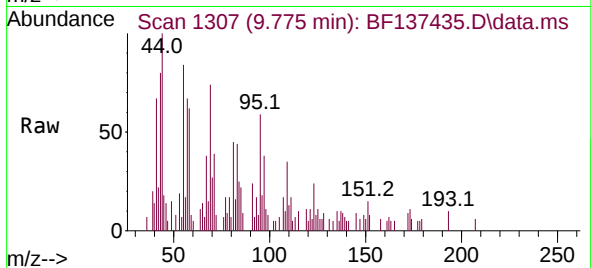
Instrument :

BNA_F

ClientSampleId :

Tgt Ion:138 Resp: 236

Ion	Ratio	Lower	Upper
138	100		
108	119.2	8.2	12.2#
92	84.6	102.2	153.2#



#56

4-Nitrophenol

Concen: 4.919 ng

RT: 9.939 min Scan# 1335

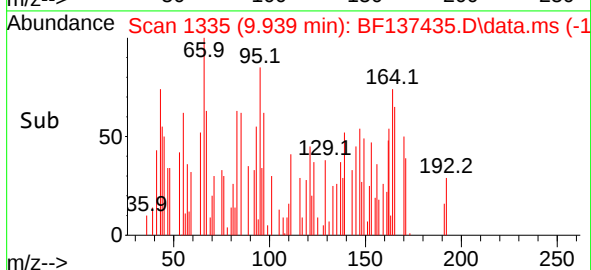
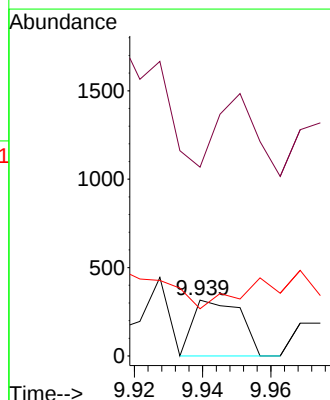
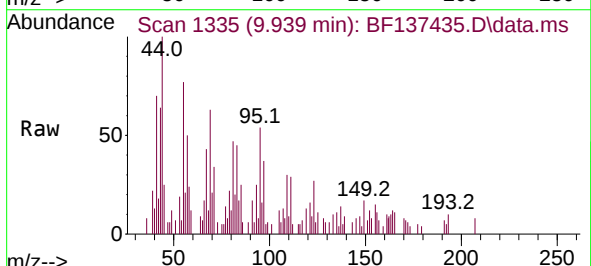
Delta R.T. -0.018 min

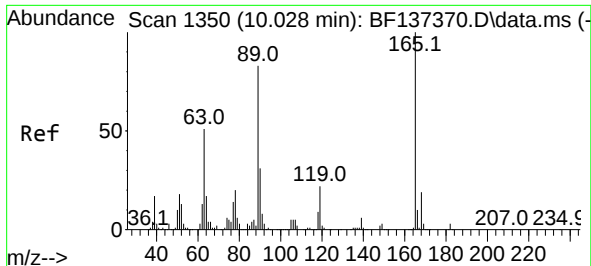
Lab File: BF137435.D

Acq: 28 Feb 2024 21:19

Tgt Ion:139 Resp: 308

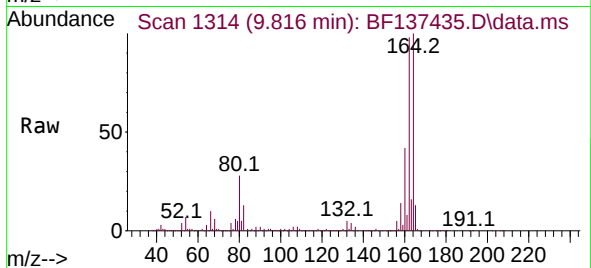
Ion	Ratio	Lower	Upper
139	100		
109	338.0	48.0	88.0#
65	84.5	82.2	122.2



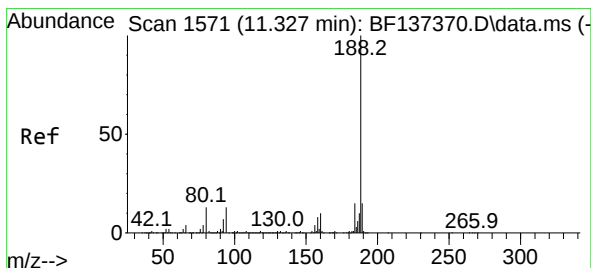
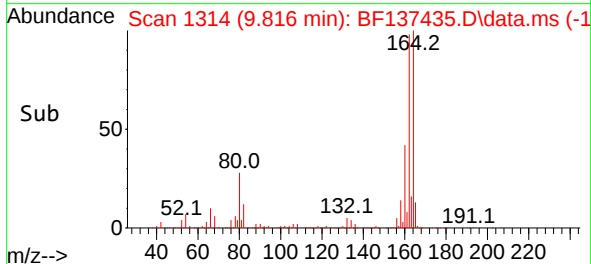
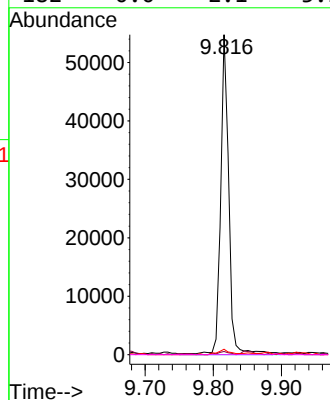


#57
2,4-Dinitrotoluene
Concen: 9.382 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.212 min
Lab File: BF137435.D
Acq: 28 Feb 2024 21:19

Instrument :
BNA_F
ClientSampleId :

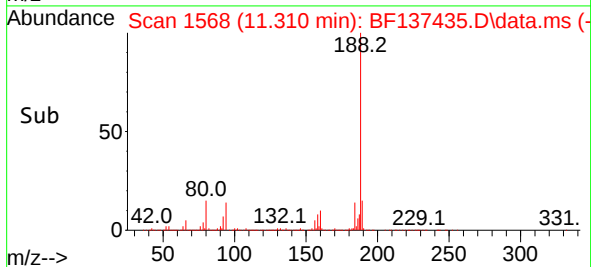
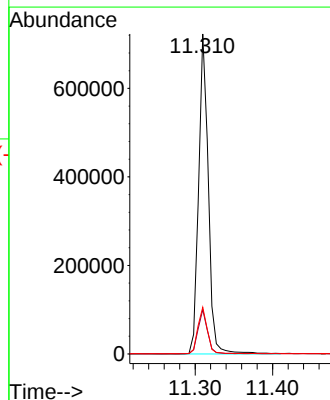
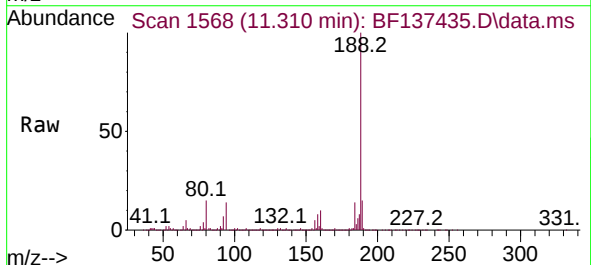


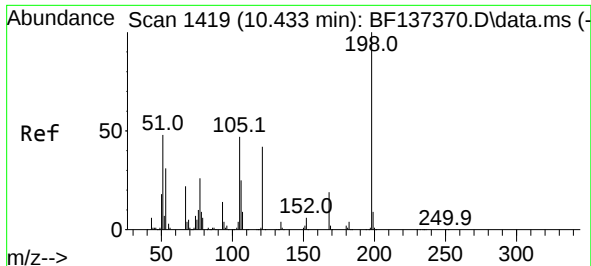
Tgt Ion:165 Resp: 45624
Ion Ratio Lower Upper
165 100
63 1.0 41.1 61.7#
89 1.7 66.6 100.0#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.018 min
Lab File: BF137435.D
Acq: 28 Feb 2024 21:19

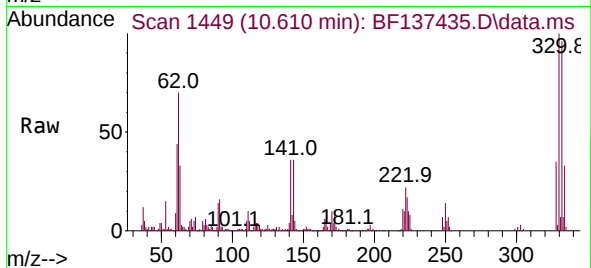
Tgt Ion:188 Resp: 626447
Ion Ratio Lower Upper
188 100
94 13.9 10.2 15.2
80 14.6 10.7 16.1



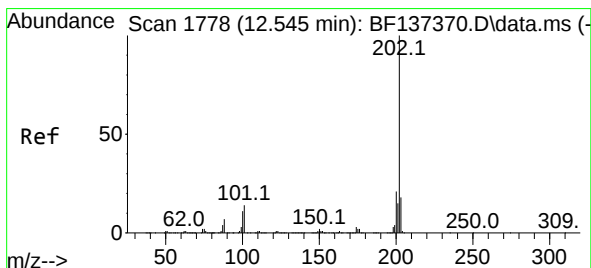
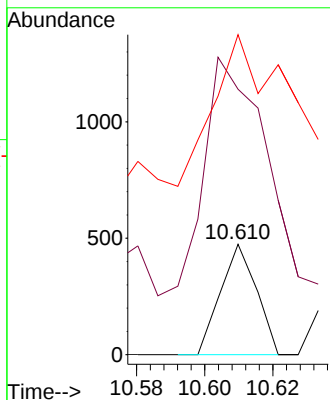
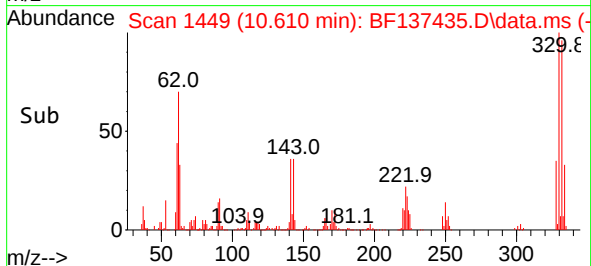


#65
4,6-Dinitro-2-methylphenol
Concen: 4.609 ng
RT: 10.610 min Scan# 1419
Delta R.T. 0.177 min
Lab File: BF137435.D
Acq: 28 Feb 2024 21:19

Instrument :
BNA_F
ClientSampleId :

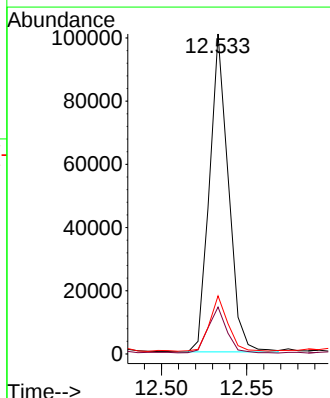
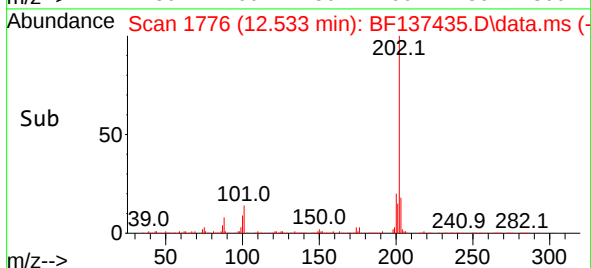
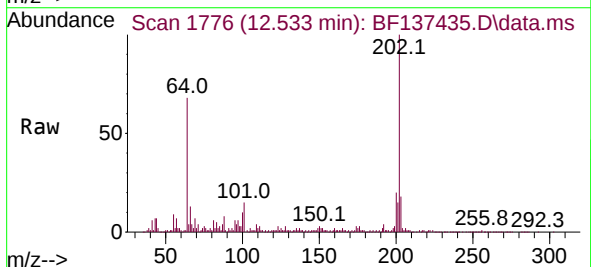


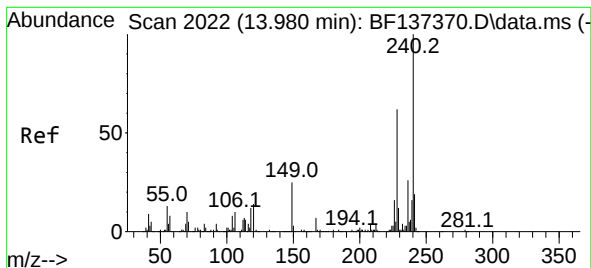
Tgt Ion:198 Resp: 347
Ion Ratio Lower Upper
198 100
51 240.5 36.8 76.8#
105 289.9 28.5 68.5#



#75
Fluoranthene
Concen: 2.308 ng
RT: 12.533 min Scan# 1776
Delta R.T. -0.012 min
Lab File: BF137435.D
Acq: 28 Feb 2024 21:19

Tgt Ion:202 Resp: 77876
Ion Ratio Lower Upper
202 100
101 14.7 0.0 33.9
203 18.1 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.968 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF137435.D

Acq: 28 Feb 2024 21:19

Instrument :

BNA_F

ClientSampleId :

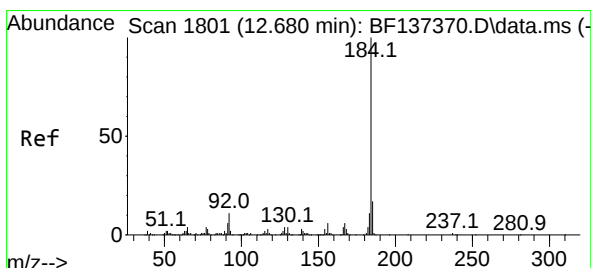
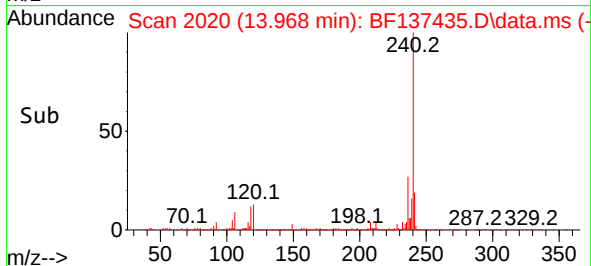
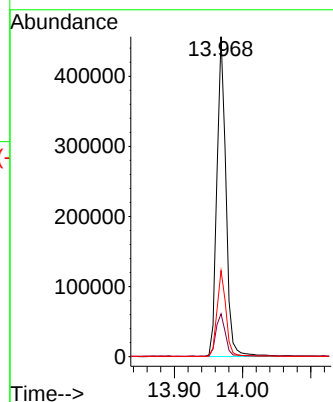
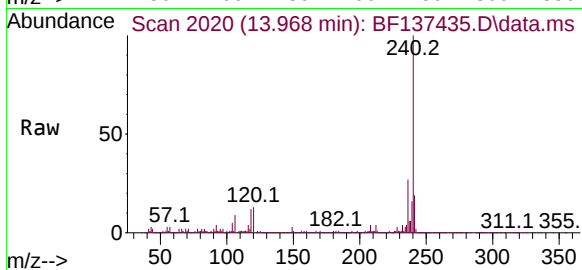
Tgt Ion:240 Resp: 423879

Ion Ratio Lower Upper

240 100

120 13.4 11.3 16.9

236 26.9 20.5 30.7



#77

Benzidine

Concen: 7.024 ng

RT: 12.692 min Scan# 1803

Delta R.T. 0.012 min

Lab File: BF137435.D

Acq: 28 Feb 2024 21:19

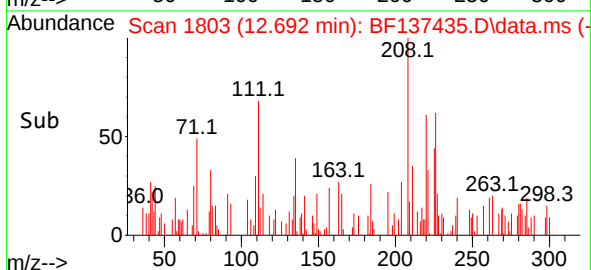
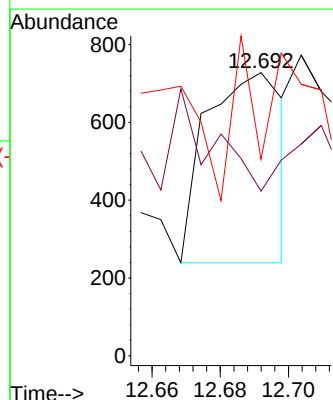
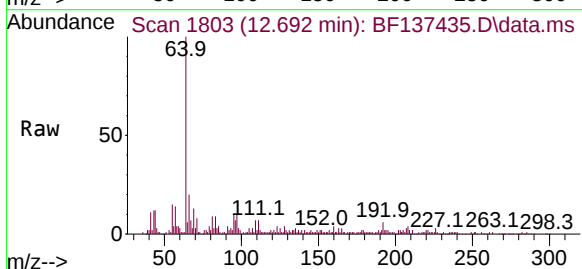
Tgt Ion:184 Resp: 763

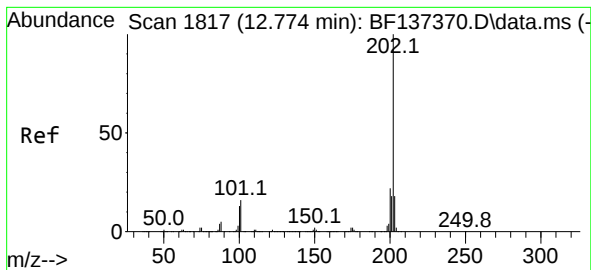
Ion Ratio Lower Upper

184 100

185 58.1 13.7 20.5#

183 69.4 8.8 13.2#





#78

Pyrene

Concen: 2.619 ng

RT: 12.763 min Scan# 1815

Delta R.T. -0.012 min

Lab File: BF137435.D

Acq: 28 Feb 2024 21:19

Instrument :

BNA_F

ClientSampleId :

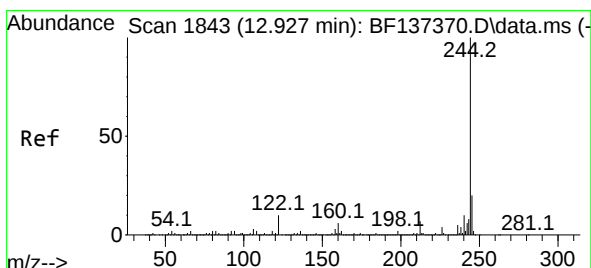
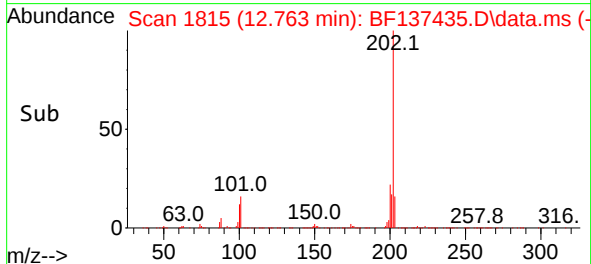
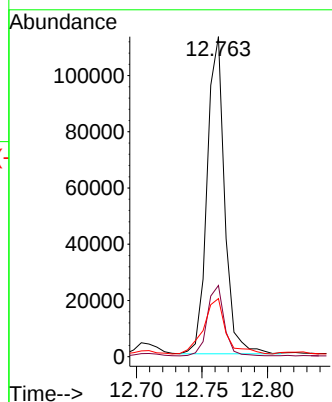
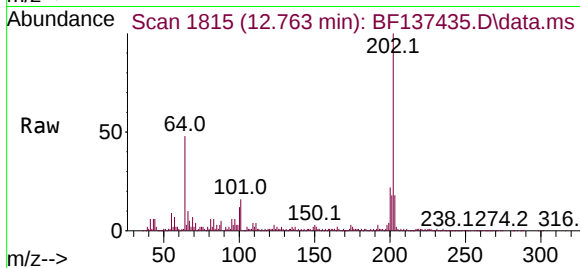
Tgt Ion:202 Resp: 104953

Ion Ratio Lower Upper

202 100

200 22.3 17.4 26.2

203 18.2 14.2 21.2



#79

Terphenyl-d14

Concen: 64.645 ng

RT: 12.915 min Scan# 1841

Delta R.T. -0.012 min

Lab File: BF137435.D

Acq: 28 Feb 2024 21:19

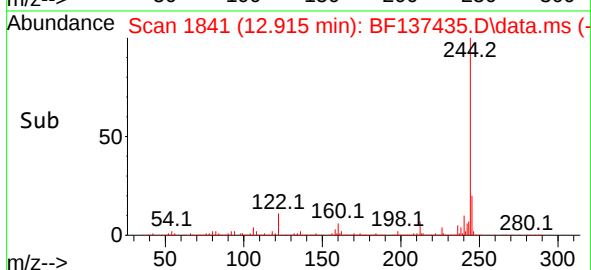
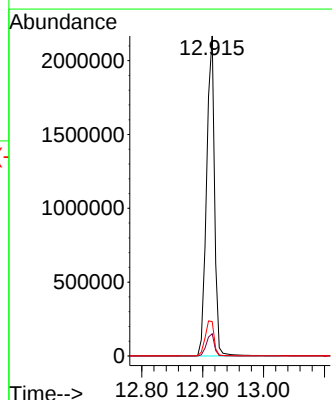
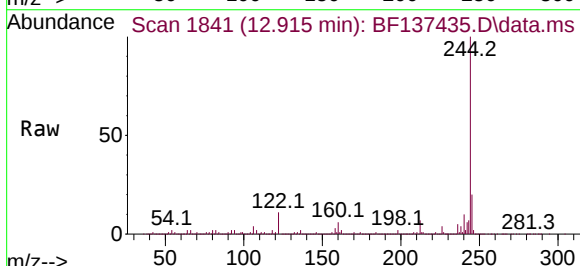
Tgt Ion:244 Resp: 1959107

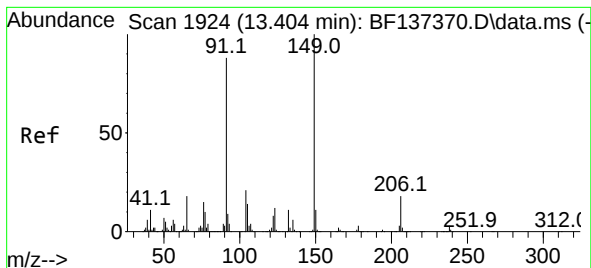
Ion Ratio Lower Upper

244 100

212 6.9 5.3 7.9

122 10.7 8.2 12.4





#80

Butylbenzylphthalate

Concen: 4.145 ng

RT: 13.221 min Scan# 1

Delta R.T. -0.183 min

Lab File: BF137435.D

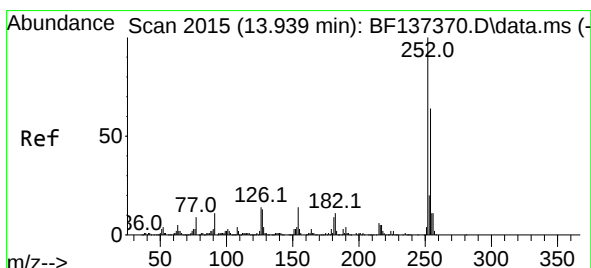
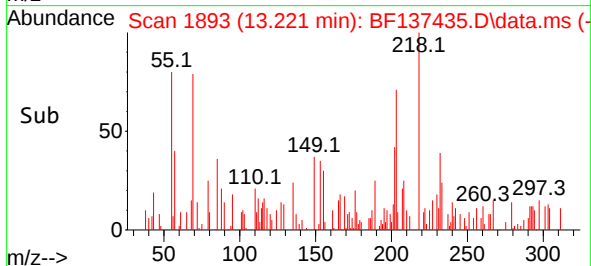
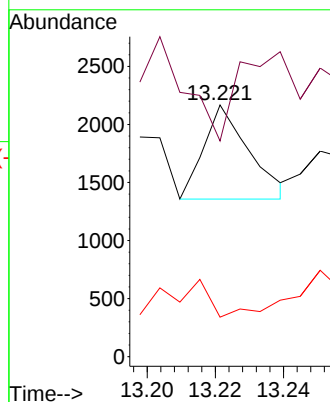
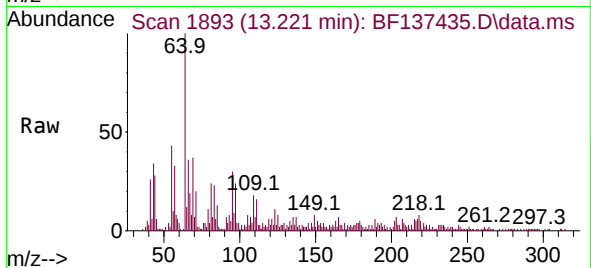
Acq: 28 Feb 2024 21:19

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:	149	Resp:	749
Ion Ratio	Lower	Upper	
149	100		
91	85.7	70.5	105.7
206	15.7	14.8	22.2



#82

3,3'-Dichlorobenzidine

Concen: 5.081 ng

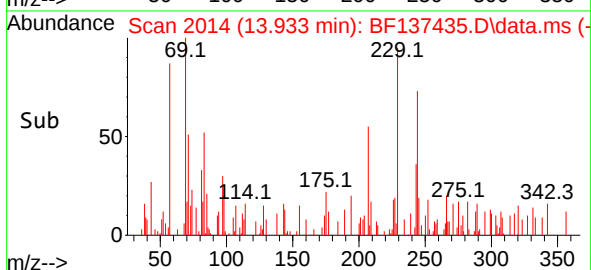
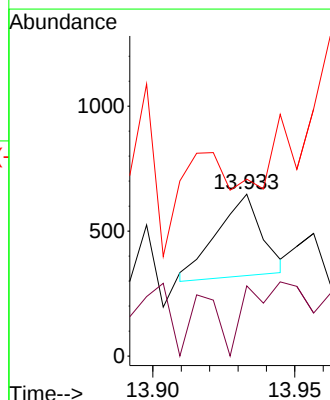
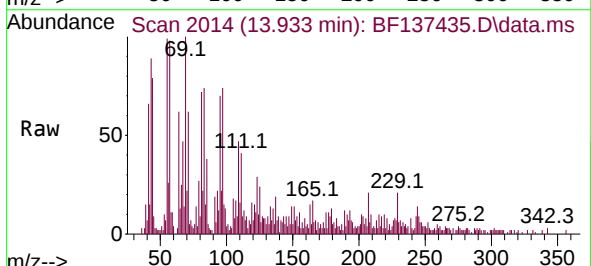
RT: 13.933 min Scan# 2014

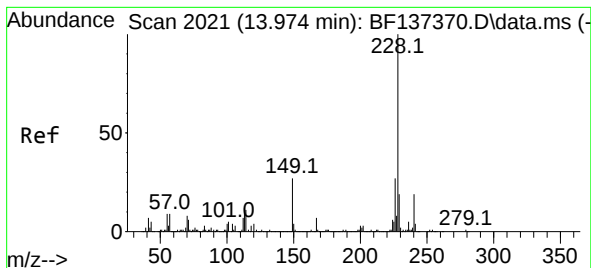
Delta R.T. -0.006 min

Lab File: BF137435.D

Acq: 28 Feb 2024 21:19

Tgt Ion:	252	Resp:	364
Ion Ratio	Lower	Upper	
252	100		
254	43.4	51.2	76.8#
126	109.3	11.1	16.7#





#84

Bis(2-ethylhexyl)phthalate

Concen: 7.949 ng

RT: 13.962 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF137435.D

Acq: 28 Feb 2024 21:19

Instrument :

BNA_F

ClientSampleId :

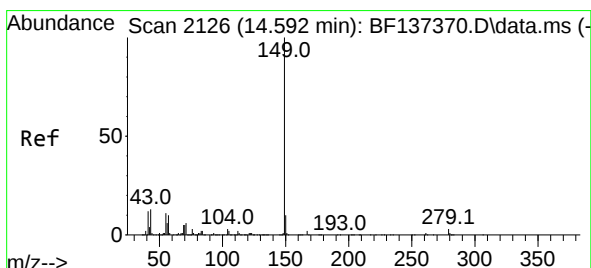
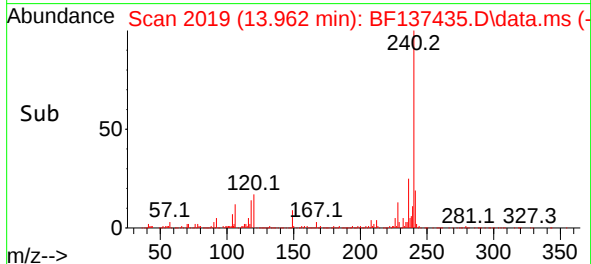
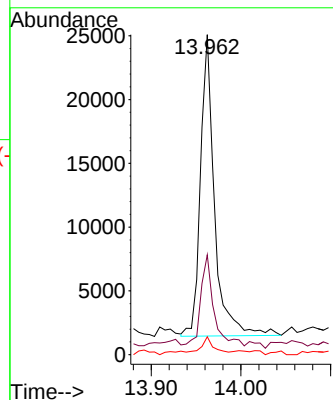
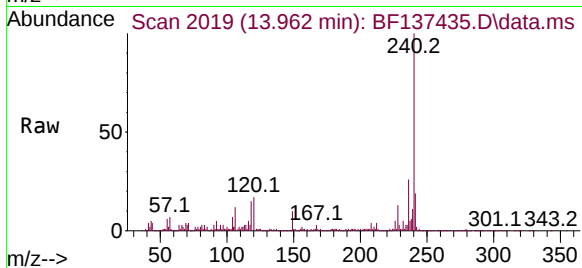
Tgt Ion:149 Resp: 25701

Ion Ratio Lower Upper

149 100

167 31.2 20.6 31.0#

279 5.6 2.7 4.1#



#85

Di-n-octyl phthalate

Concen: 6.179 ng

RT: 14.586 min Scan# 2125

Delta R.T. -0.006 min

Lab File: BF137435.D

Acq: 28 Feb 2024 21:19

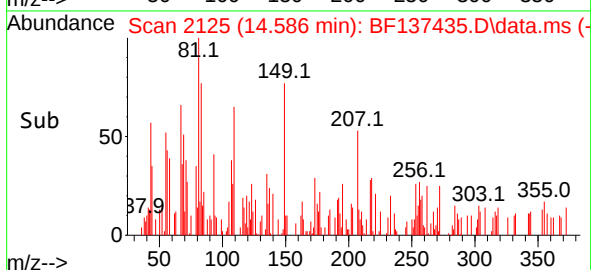
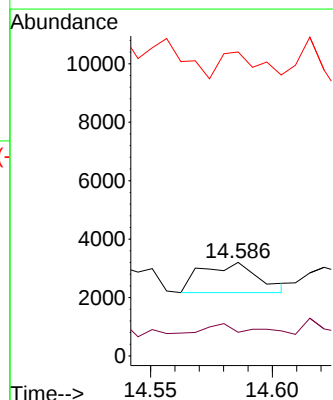
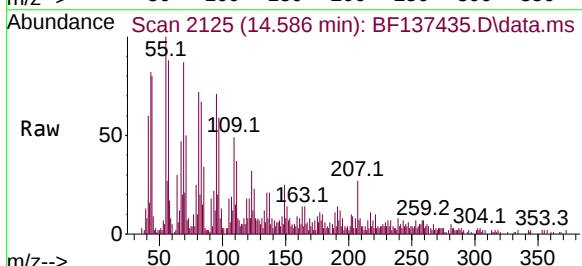
Tgt Ion:149 Resp: 1654

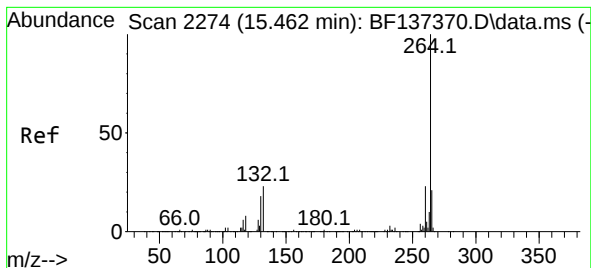
Ion Ratio Lower Upper

149 100

167 19.5 1.2 1.8#

43 66.5 13.7 20.5#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.457 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF137435.D

Acq: 28 Feb 2024 21:19

Instrument :

BNA_F

ClientSampleId :

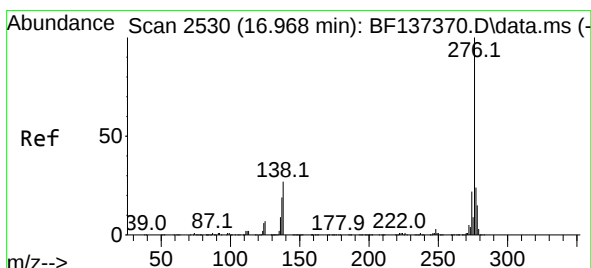
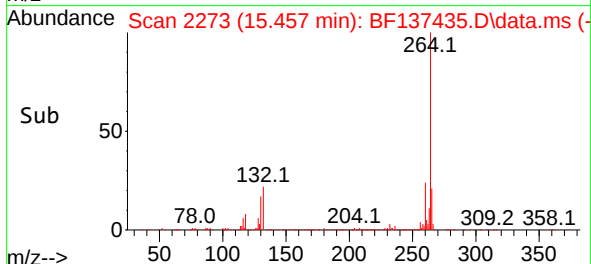
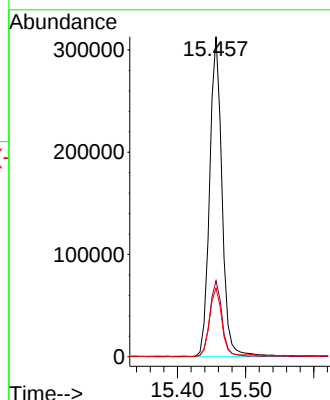
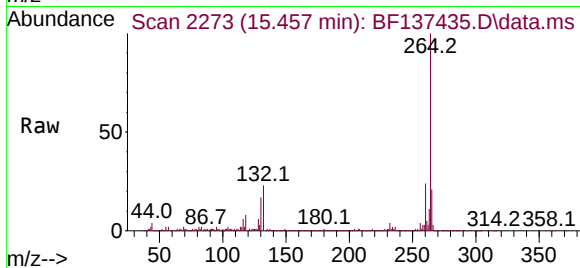
Tgt Ion:264 Resp: 395853

Ion Ratio Lower Upper

264 100

260 23.7 18.5 27.7

265 21.4 16.9 25.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.440 ng

RT: 16.956 min Scan# 2528

Delta R.T. -0.012 min

Lab File: BF137435.D

Acq: 28 Feb 2024 21:19

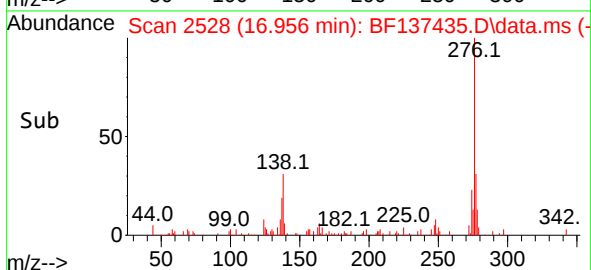
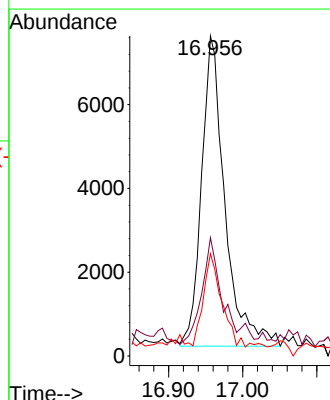
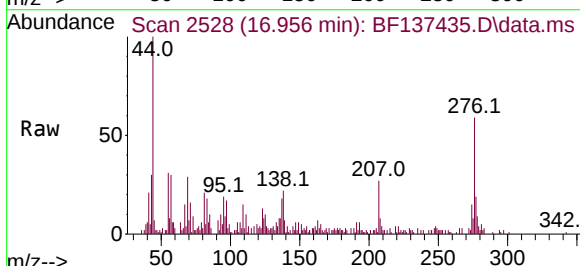
Tgt Ion:276 Resp: 16228

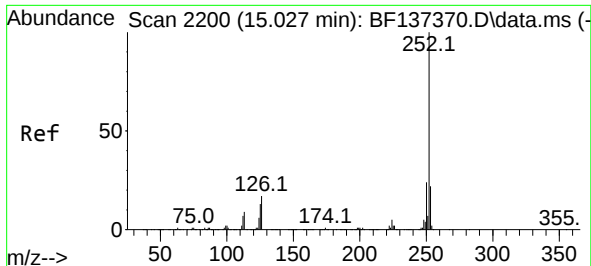
Ion Ratio Lower Upper

276 100

138 28.4 25.8 38.8

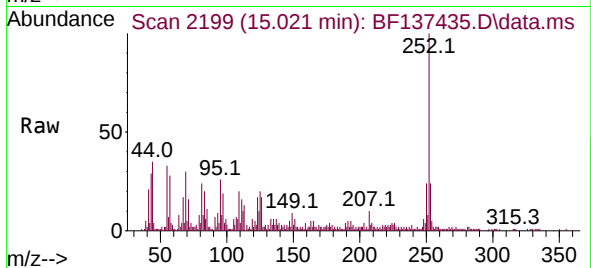
277 22.8 19.6 29.4



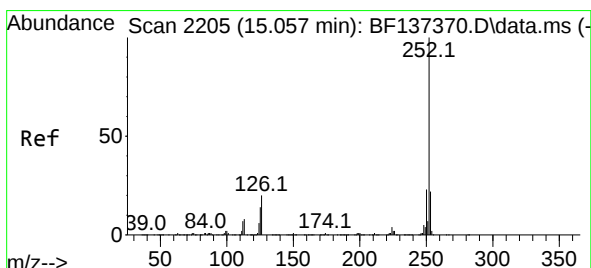
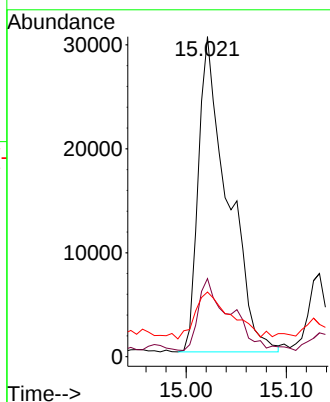
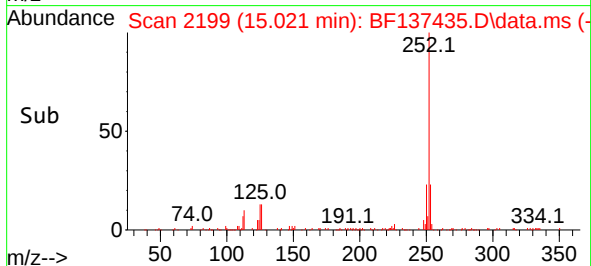


#88
Benzo(b)fluoranthene
Concen: 2.545 ng
RT: 15.021 min Scan# 2199
Delta R.T. -0.006 min
Lab File: BF137435.D
Acq: 28 Feb 2024 21:19

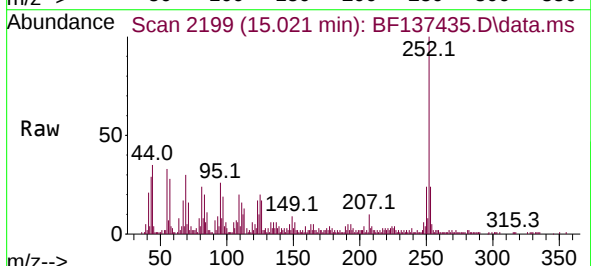
Instrument :
BNA_F
ClientSampleId :



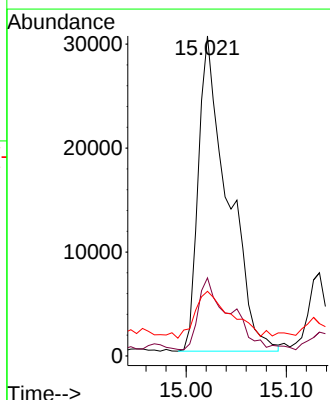
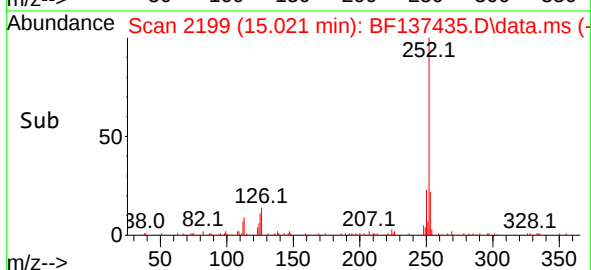
Tgt Ion:252 Resp: 61807
Ion Ratio Lower Upper
252 100
253 24.4 17.4 26.2
125 20.2 10.2 15.2#

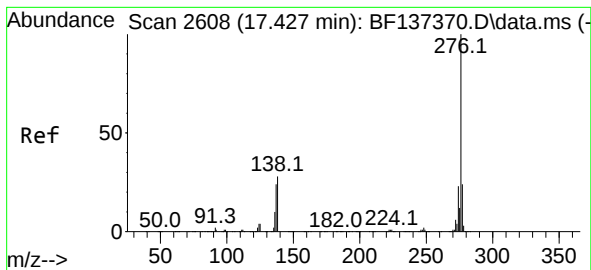


#89
Benzo(k)fluoranthene
Concen: 2.428 ng
RT: 15.021 min Scan# 2199
Delta R.T. -0.035 min
Lab File: BF137435.D
Acq: 28 Feb 2024 21:19



Tgt Ion:252 Resp: 61807
Ion Ratio Lower Upper
252 100
253 24.4 17.3 25.9
125 20.2 10.7 16.1#





#92

Benzo(g,h,i)perylene

Concen: 2.802 ng

RT: 17.415 min Scan# 20

Delta R.T. -0.012 min

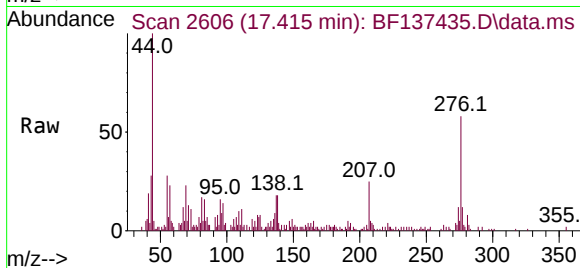
Lab File: BF137435.D

Acq: 28 Feb 2024 21:19

Instrument :

BNA_F

ClientSampleId :



Tgt Ion:276 Resp: 17769

Ion Ratio Lower Upper

276 100

277 21.2 19.0 28.4

138 30.7 22.6 33.8

