

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022624\
 Data File : BF137394.D
 Acq On : 26 Feb 2024 19:32
 Operator : CG\JU
 Sample : P1538-14
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 27 00:40:52 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)

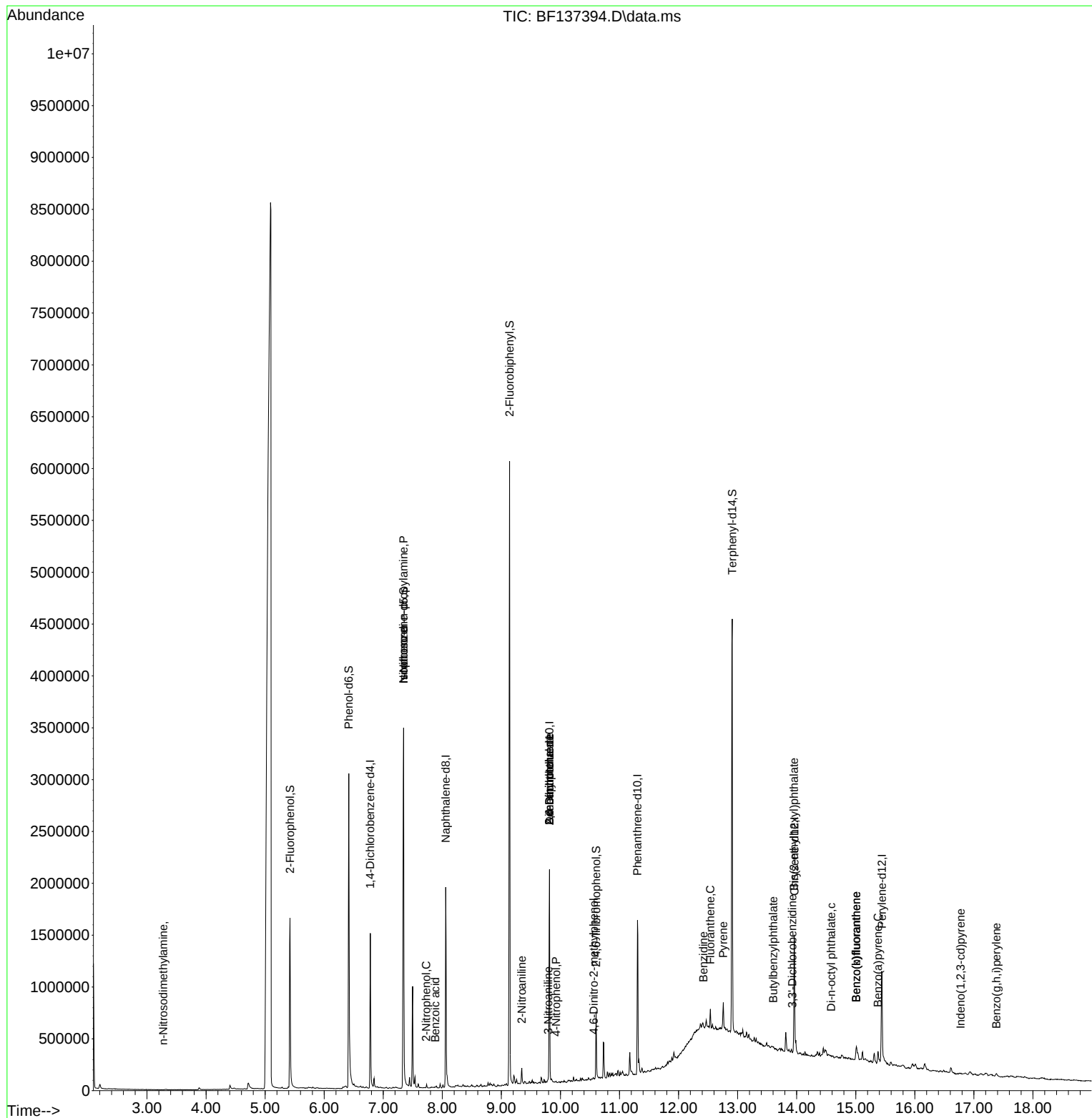
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	206384	20.000	ng	-0.02
21) Naphthalene-d8	8.057	136	797341	20.000	ng	-0.02
39) Acenaphthene-d10	9.816	164	394716	20.000	ng	-0.02
64) Phenanthrene-d10	11.304	188	553953	20.000	ng	-0.02
76) Chrysene-d12	13.963	240	381032	20.000	ng	-0.02
86) Perylene-d12	15.445	264	433657	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	457248	34.186	ng	0.00
7) Phenol-d6	6.416	99	1038864	52.801	ng	-0.02
23) Nitrobenzene-d5	7.345	82	1283815	80.384	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	63689	18.529	ng	-0.02
45) 2-Fluorobiphenyl	9.139	172	1807664	71.298	ng	-0.02
79) Terphenyl-d14	12.910	244	1491868	54.763	ng	-0.02
Target Compounds					Qvalue	
4) n-Nitrosodimethylamine	3.275	42	327	5.148	ng	# 1
19) n-Nitroso-di-n-propyla...	7.345	70	176169	14.530	ng	# 83
25) Isophorone	7.345	82	1283815	38.871	ng	# 69
26) 2-Nitrophenol	7.728	139	55	2.911	ng	# 1
32) Benzoic acid	7.881	122	469	7.005	ng	# 46
48) 2-Nitroaniline	9.345	65	571	4.322	ng	# 1
50) Dimethylphthalate	9.816	163	65424	2.399	ng	# 1
51) 2,6-Dinitrotoluene	9.816	165	49608	9.777	ng	# 26
53) 3-Nitroaniline	9.792	138	551	2.450	ng	# 76
56) 4-Nitrophenol	9.928	139	409	4.928	ng	# 1
57) 2,4-Dinitrotoluene	9.816	165	49608	8.625	ng	# 18
65) 4,6-Dinitro-2-methylph...	10.563	198	68	4.529	ng	# 1
75) Fluoranthene	12.539	202	69045	2.314	ng	97
77) Benzidine	12.422	184	695	7.026	ng	# 1
78) Pyrene	12.757	202	99893	2.773	ng	99
80) Butylbenzylphthalate	13.604	149	1212	4.277	ng	89
82) 3,3'-Dichlorobenzidine	13.927	252	516	5.108	ng	# 28
84) Bis(2-ethylhexyl)phtha...	13.957	149	6891	5.257	ng	# 95
85) Di-n-octyl phthalate	14.586	149	1031	6.123	ng	# 63
87) Indeno(1,2,3-cd)pyrene	16.774	276	4557	2.016	ng	94
88) Benzo(b)fluoranthene	15.010	252	94298	3.545	ng	# 97
89) Benzo(k)fluoranthene	15.010	252	94298	3.382	ng	97
90) Benzo(a)pyrene	15.374	252	60693	2.405	ng	# 97
92) Benzo(g,h,i)perylene	17.380	276	23745	2.962	ng	# 86

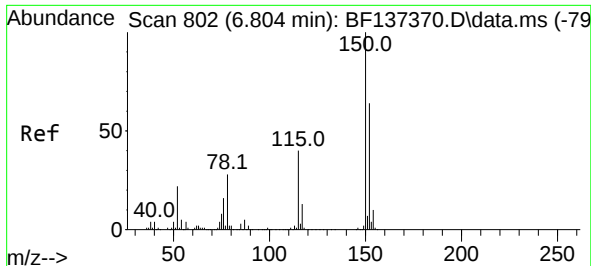
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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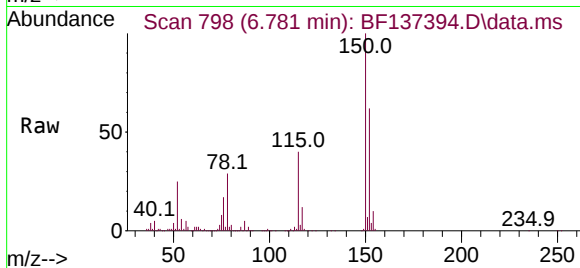
Quant Time: Feb 27 00:40:52 2024
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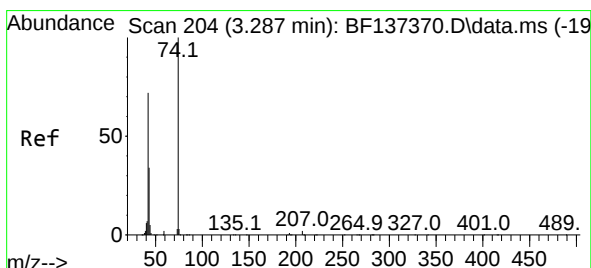
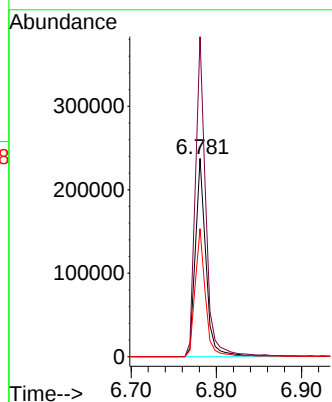
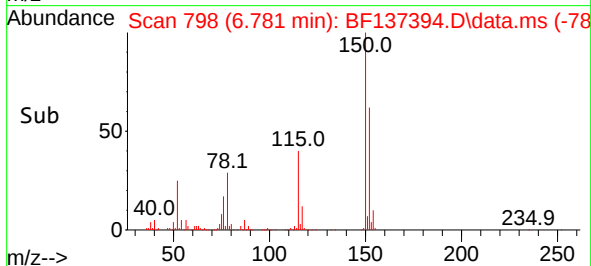


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.023 min
Lab File: BF137394.D
Acq: 26 Feb 2024 19:32

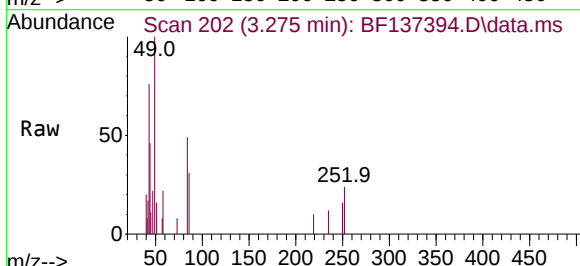
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BNA_F
ClientSampleId :



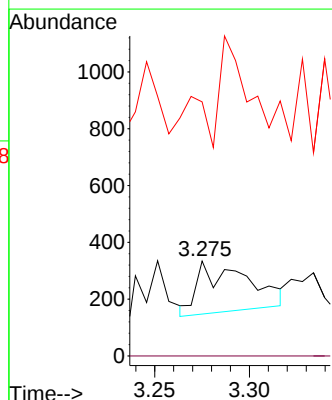
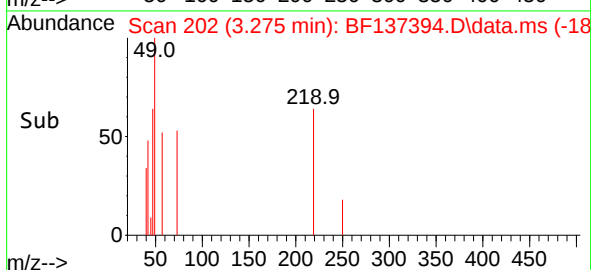
Tgt Ion:152 Resp: 206384
Ion Ratio Lower Upper
152 100
150 161.4 125.7 188.5
115 64.6 49.8 74.8

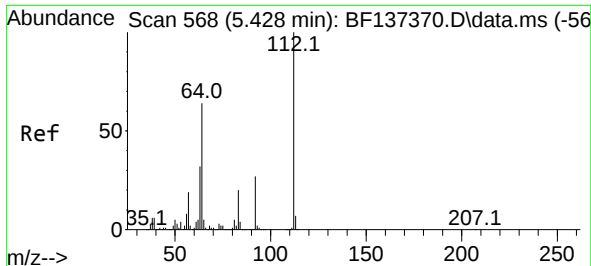


#4
n-Nitrosodimethylamine
Concen: 5.148 ng
RT: 3.275 min Scan# 202
Delta R.T. -0.012 min
Lab File: BF137394.D
Acq: 26 Feb 2024 19:32



Tgt Ion: 42 Resp: 327
Ion Ratio Lower Upper
42 100
74 0.0 110.8 166.2#
44 268.0 6.0 9.0#

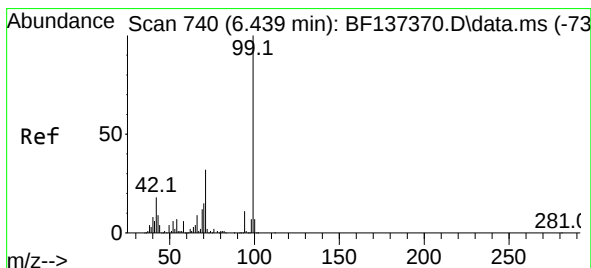
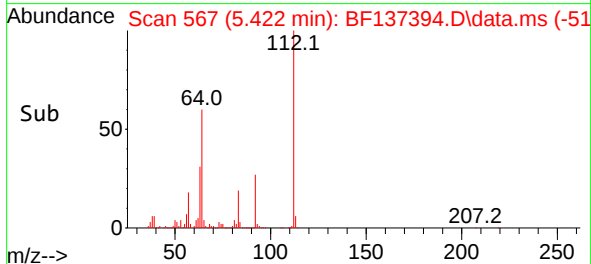
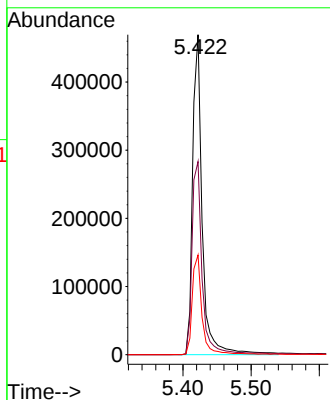
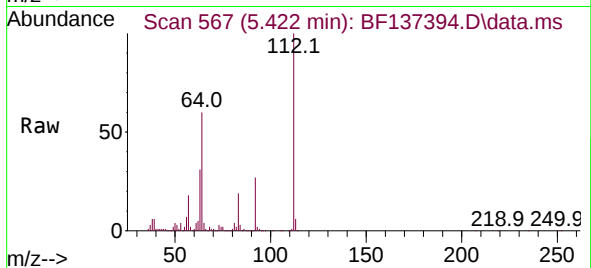




#5
2-Fluorophenol
Concen: 34.186 ng
RT: 5.422 min Scan# 501
Delta R.T. -0.006 min
Lab File: BF137394.D
Acq: 26 Feb 2024 19:32

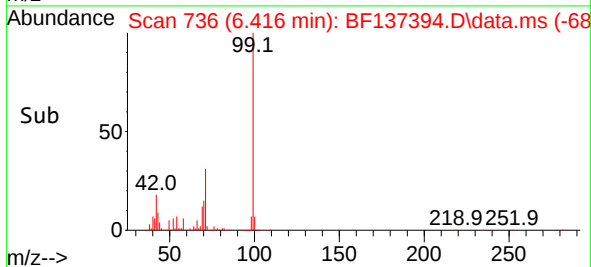
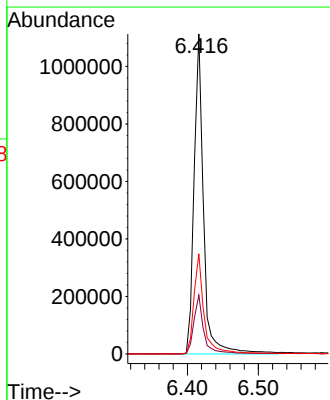
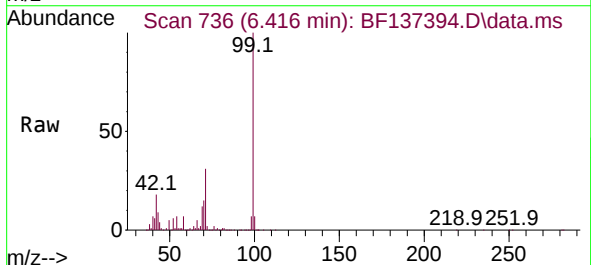
Instrument :
BNA_F
ClientSampleId :

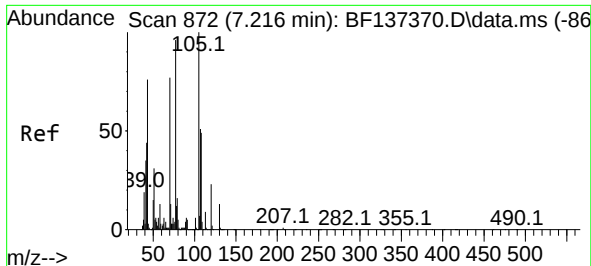
Tgt Ion:112 Resp: 457248
Ion Ratio Lower Upper
112 100
64 60.4 51.0 76.6
63 31.1 25.7 38.5



#7
Phenol-d6
Concen: 52.801 ng
RT: 6.416 min Scan# 736
Delta R.T. -0.023 min
Lab File: BF137394.D
Acq: 26 Feb 2024 19:32

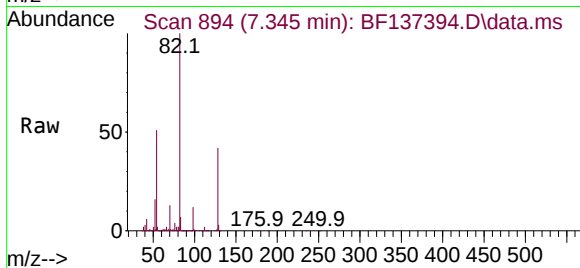
Tgt Ion: 99 Resp: 1038864
Ion Ratio Lower Upper
99 100
42 18.4 14.2 21.4
71 31.3 25.2 37.8



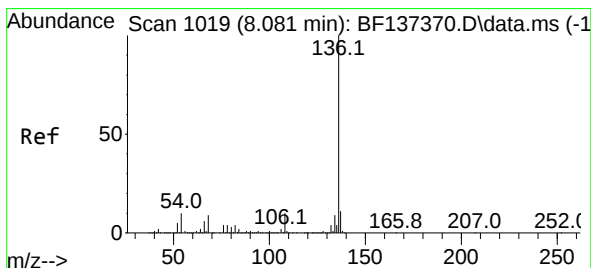
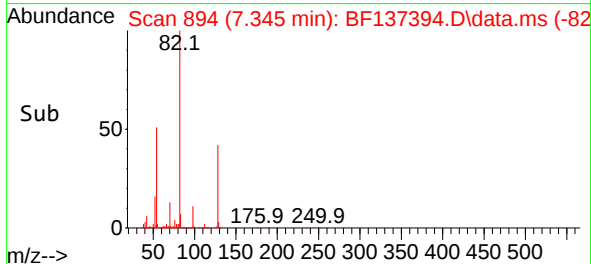
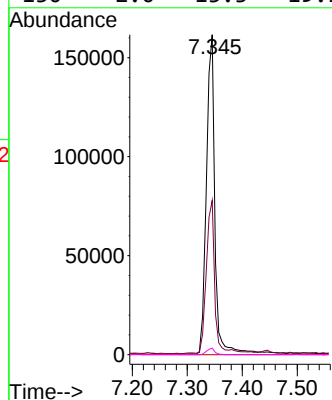


#19
n-Nitroso-di-n-propylamine
Concen: 14.530 ng
RT: 7.345 min Scan# 89
Delta R.T. 0.129 min
Lab File: BF137394.D
Acq: 26 Feb 2024 19:32

Instrument :
BNA_F
ClientSampleId :

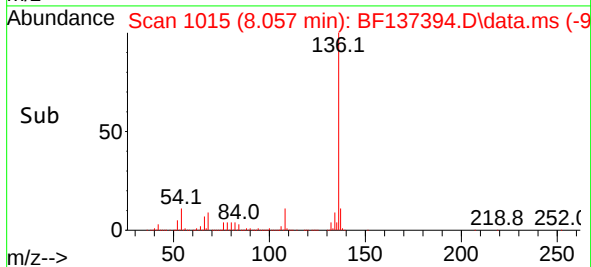
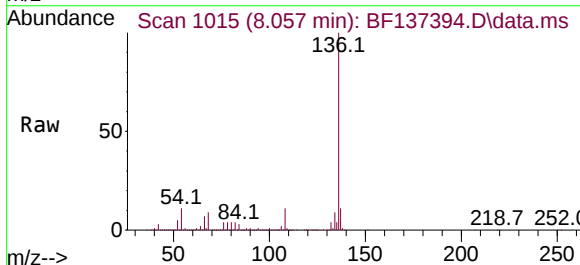
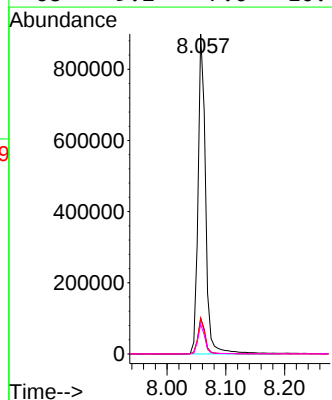


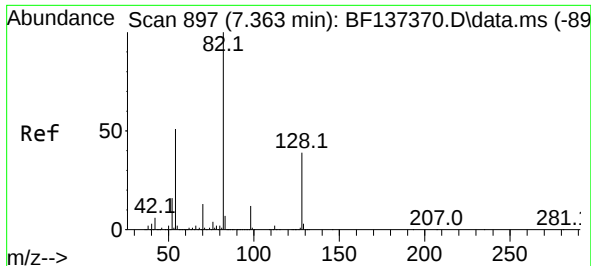
Tgt Ion: 70 Resp: 176169
Ion Ratio Lower Upper
70 100
42 48.2 45.3 67.9
101 0.0 6.5 9.7#
130 2.0 13.3 19.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.024 min
Lab File: BF137394.D
Acq: 26 Feb 2024 19:32

Tgt Ion: 136 Resp: 797341
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.4
54 11.1 7.8 11.6
68 9.2 7.0 10.4





#23

Nitrobenzene-d5

Concen: 80.384 ng

RT: 7.345 min Scan# 894

Delta R.T. -0.018 min

Lab File: BF137394.D

Acq: 26 Feb 2024 19:32

Instrument :

BNA_F

ClientSampleId :

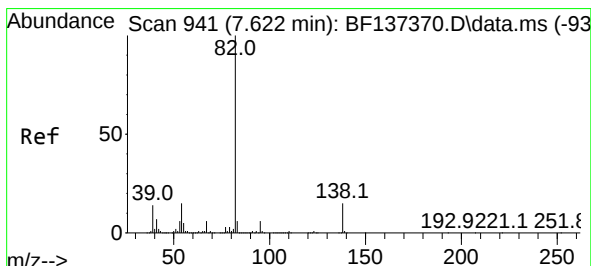
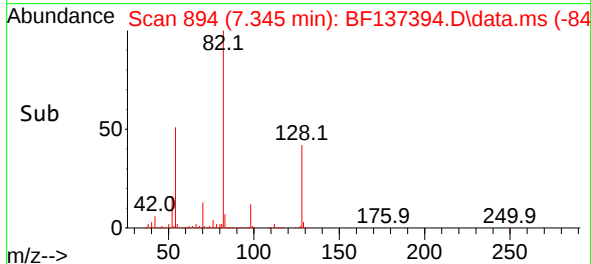
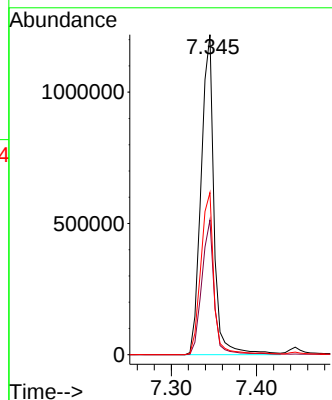
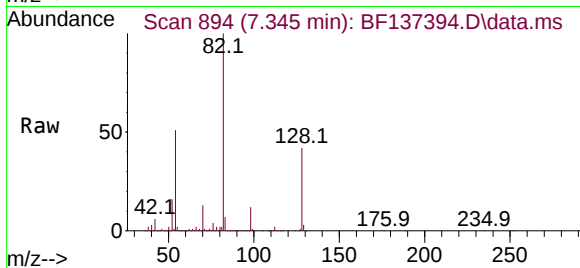
Tgt Ion: 82 Resp: 1283815

Ion Ratio Lower Upper

82 100

128 42.1 30.8 46.2

54 50.7 40.8 61.2



#25

Isophorone

Concen: 38.871 ng

RT: 7.345 min Scan# 894

Delta R.T. -0.276 min

Lab File: BF137394.D

Acq: 26 Feb 2024 19:32

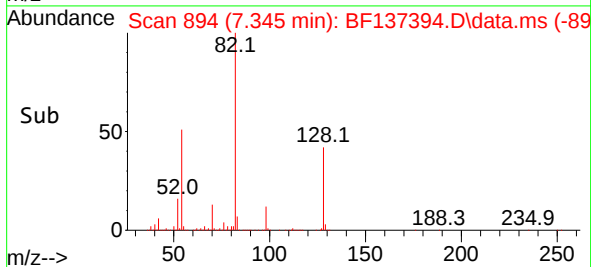
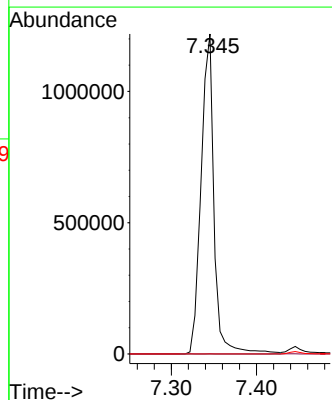
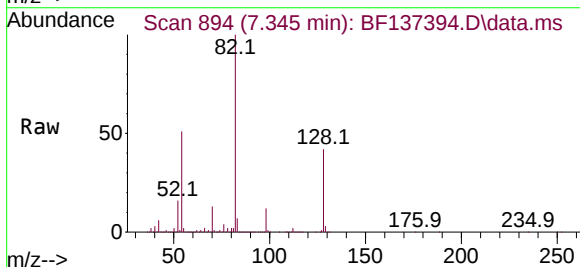
Tgt Ion: 82 Resp: 1283815

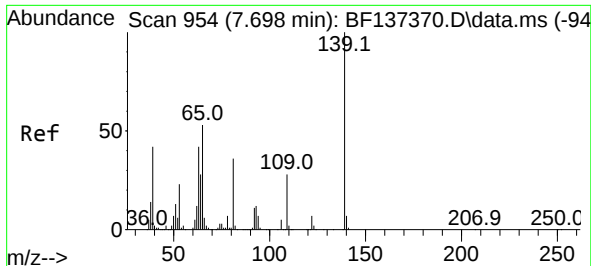
Ion Ratio Lower Upper

82 100

95 0.0 5.1 7.7#

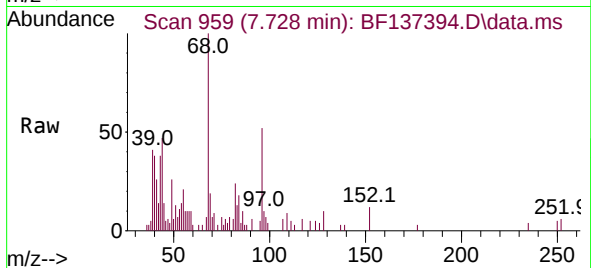
138 0.0 12.2 18.4#



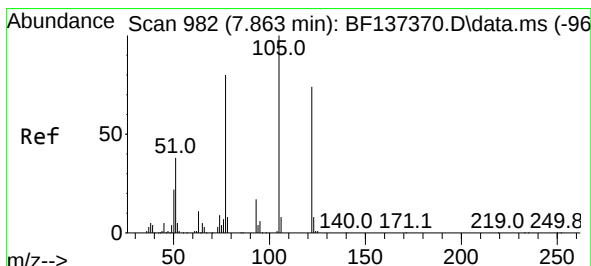
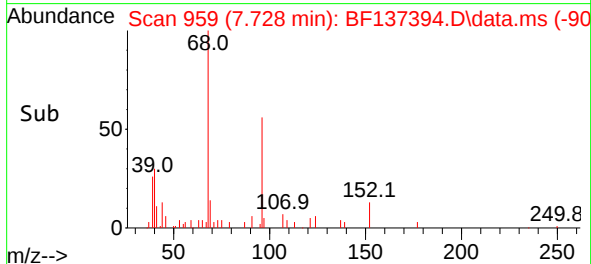
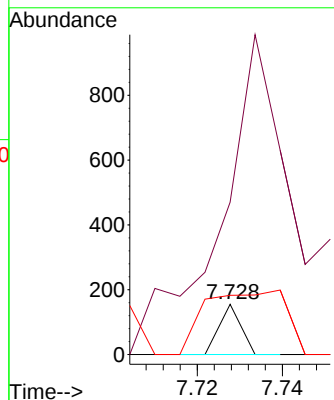


#26
2-Nitrophenol
Concen: 2.911 ng
RT: 7.728 min Scan# 91
Delta R.T. 0.030 min
Lab File: BF137394.D
Acq: 26 Feb 2024 19:32

Instrument :
BNA_F
ClientSampleId :

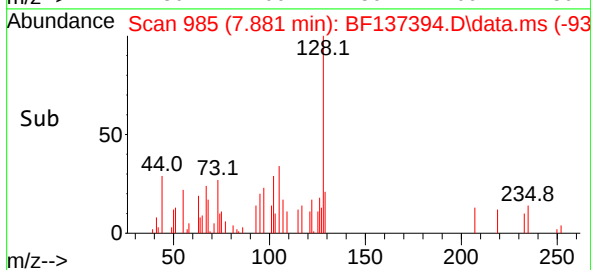
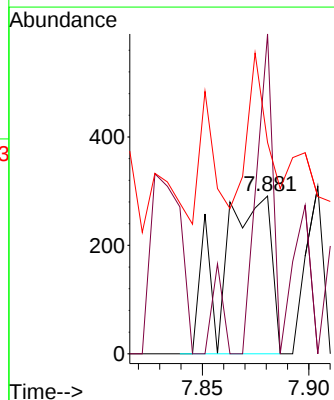
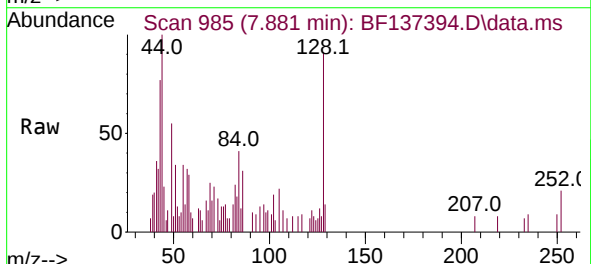


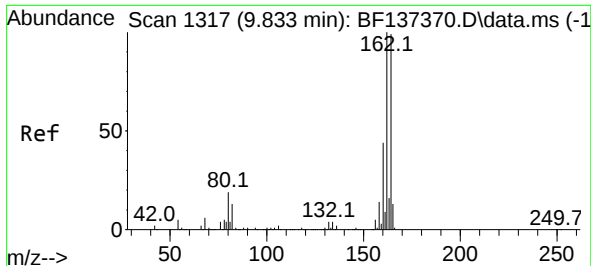
Tgt Ion:139 Resp: 55
Ion Ratio Lower Upper
139 100
109 303.2 22.5 33.7#
65 118.1 42.3 63.5#



#32
Benzoic acid
Concen: 7.005 ng
RT: 7.881 min Scan# 985
Delta R.T. 0.018 min
Lab File: BF137394.D
Acq: 26 Feb 2024 19:32

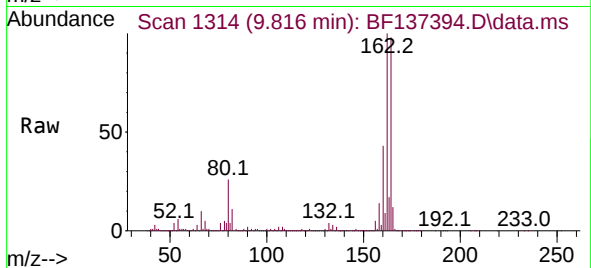
Tgt Ion:122 Resp: 469
Ion Ratio Lower Upper
122 100
105 202.7 101.1 141.1#
77 134.0 82.8 122.8#



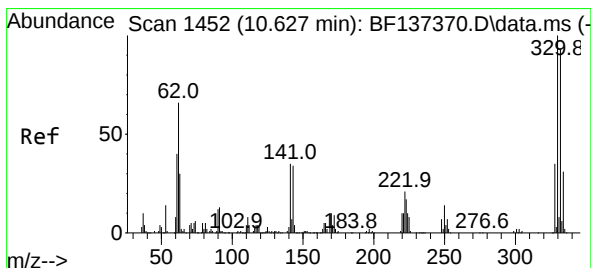
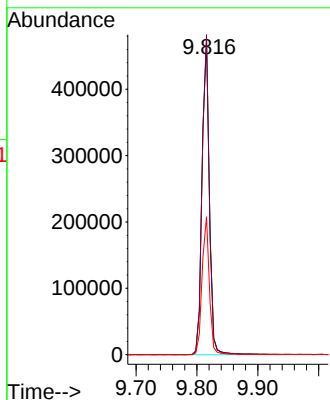
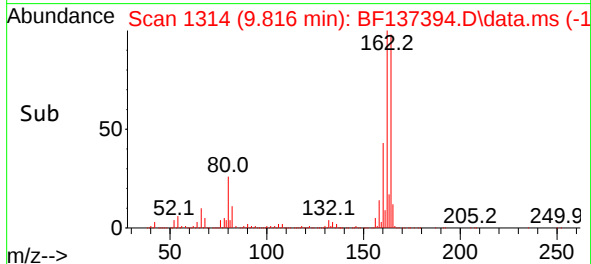


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF137394.D
Acq: 26 Feb 2024 19:32

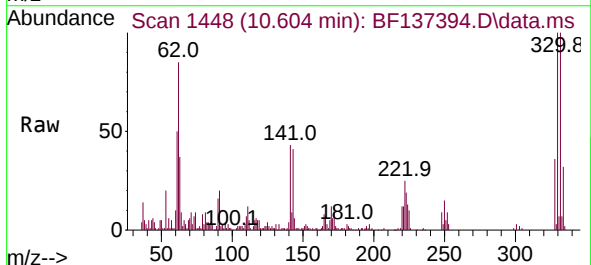
Instrument :
BNA_F
ClientSampleId :



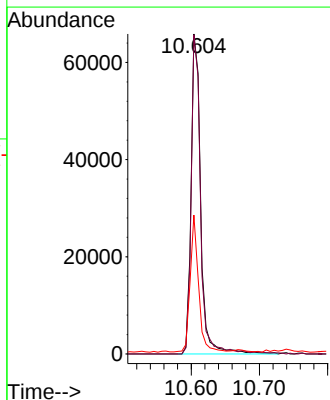
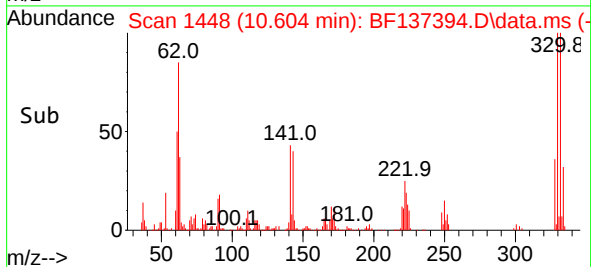
Tgt Ion:164 Resp: 394716
Ion Ratio Lower Upper
164 100
162 101.7 81.2 121.8
160 43.9 35.7 53.5

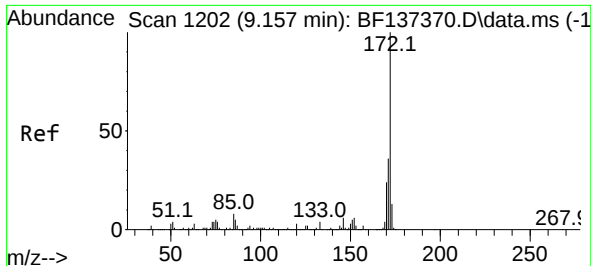


#42
2,4,6-Tribromophenol
Concen: 18.529 ng
RT: 10.604 min Scan# 1448
Delta R.T. -0.023 min
Lab File: BF137394.D
Acq: 26 Feb 2024 19:32



Tgt Ion:330 Resp: 63689
Ion Ratio Lower Upper
330 100
332 96.6 75.6 113.4
141 37.3 28.6 42.8





#45

2-Fluorobiphenyl

Concen: 71.298 ng

RT: 9.139 min Scan# 1199

Delta R.T. -0.018 min

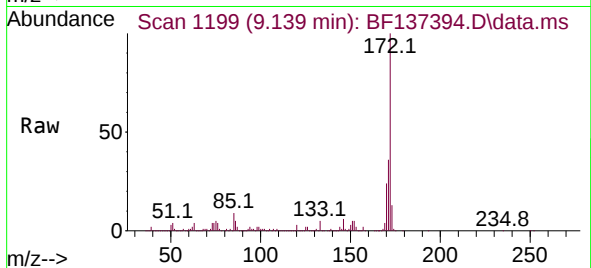
Lab File: BF137394.D

Acq: 26 Feb 2024 19:32

Instrument :

BNA_F

ClientSampleId :



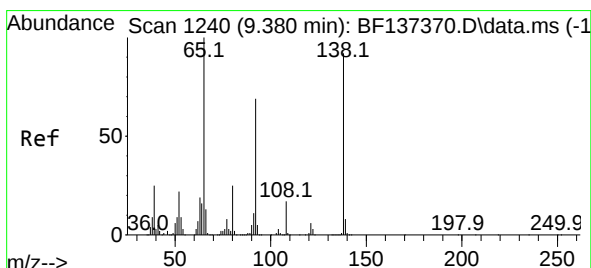
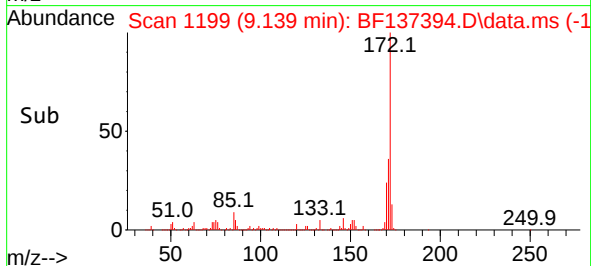
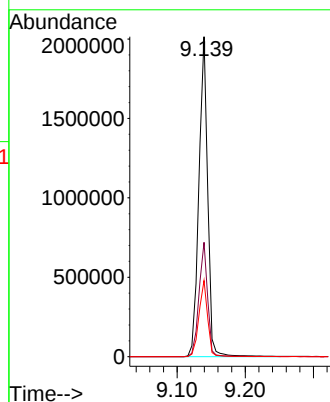
Tgt Ion:172 Resp: 1807664

Ion Ratio Lower Upper

172 100

171 35.7 28.7 43.1

170 23.8 19.5 29.3



#48

2-Nitroaniline

Concen: 4.322 ng

RT: 9.345 min Scan# 1234

Delta R.T. -0.035 min

Lab File: BF137394.D

Acq: 26 Feb 2024 19:32

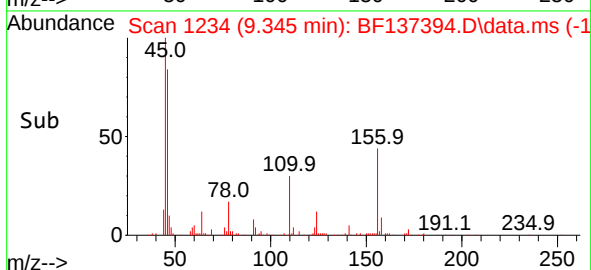
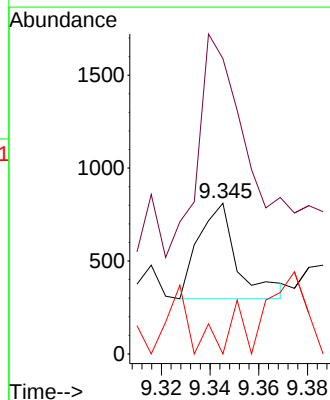
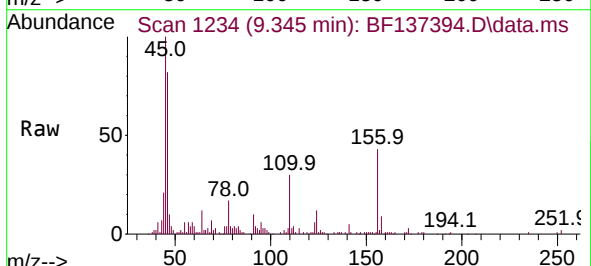
Tgt Ion: 65 Resp: 571

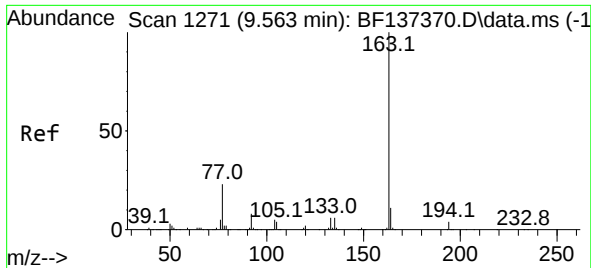
Ion Ratio Lower Upper

65 100

92 195.9 55.0 82.6#

138 0.0 73.7 110.5#

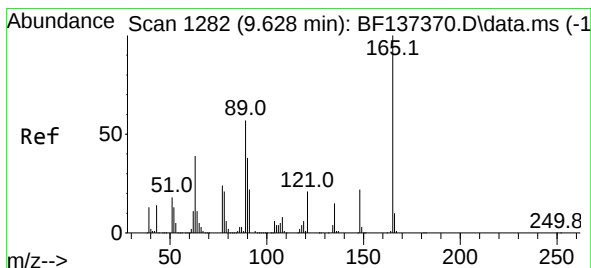
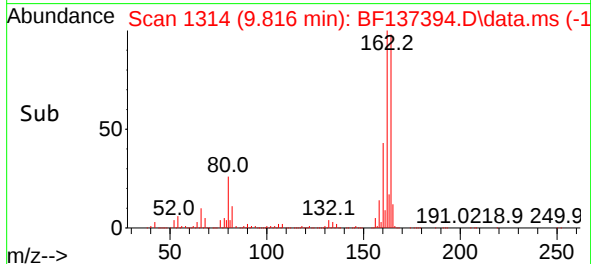
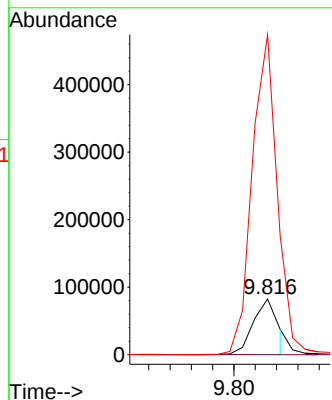
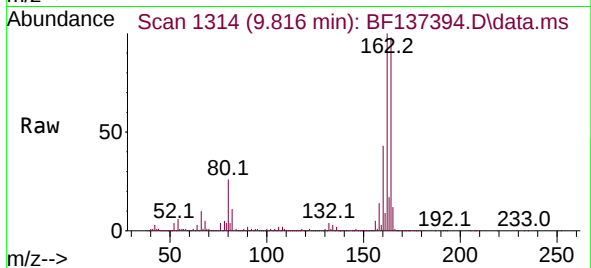




#50
Dimethylphthalate
Concen: 2.399 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.253 min
Lab File: BF137394.D
Acq: 26 Feb 2024 19:32

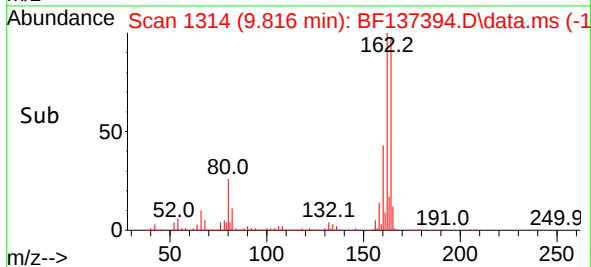
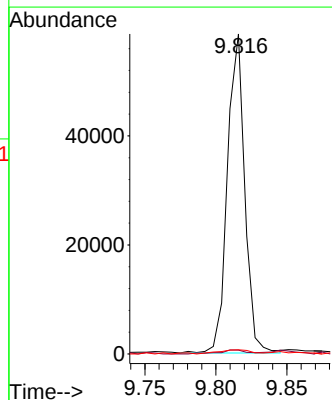
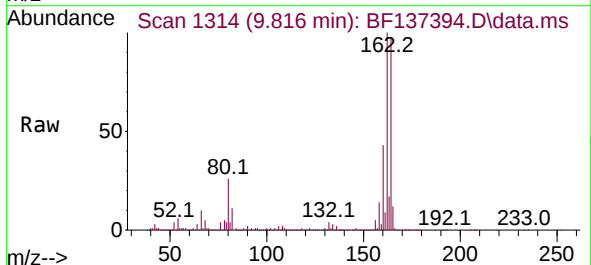
Instrument :
BNA_F
ClientSampleId :

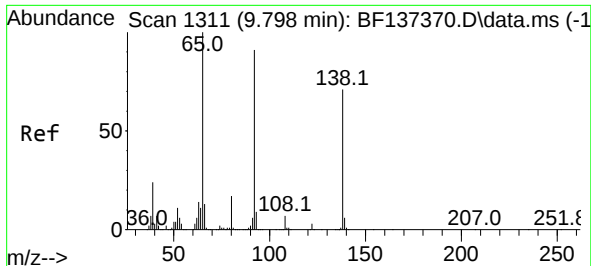
Tgt Ion:163 Resp: 65424
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.4#
164 575.2 8.5 12.7#



#51
2,6-Dinitrotoluene
Concen: 9.777 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.188 min
Lab File: BF137394.D
Acq: 26 Feb 2024 19:32

Tgt Ion:165 Resp: 49608
Ion Ratio Lower Upper
165 100
63 1.2 41.6 62.4#
89 1.3 45.8 68.6#

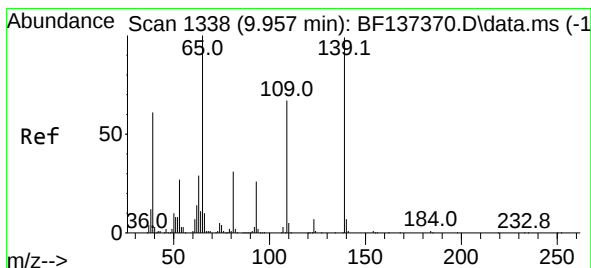
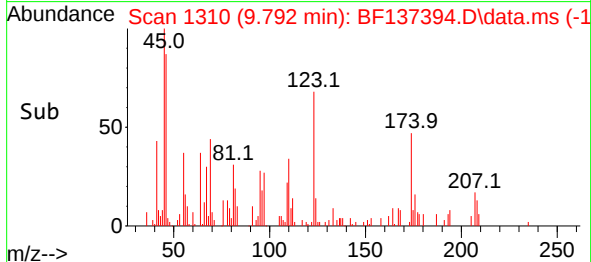
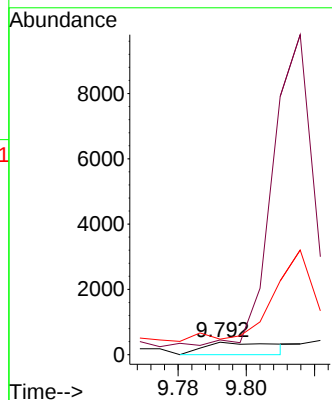
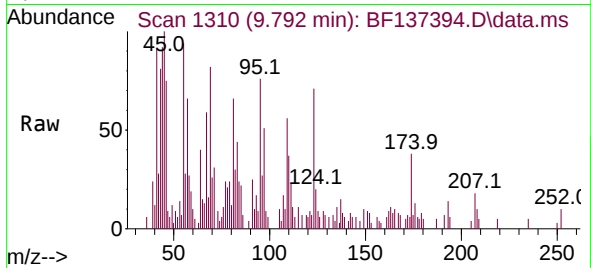




#53
3-Nitroaniline
Concen: 2.450 ng
RT: 9.792 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF137394.D
Acq: 26 Feb 2024 19:32

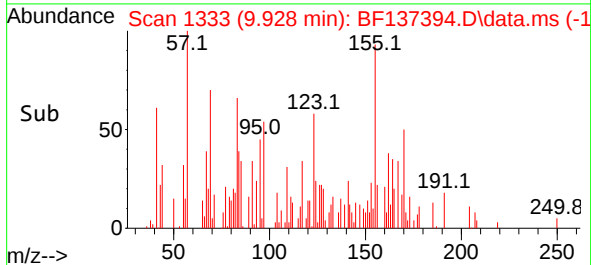
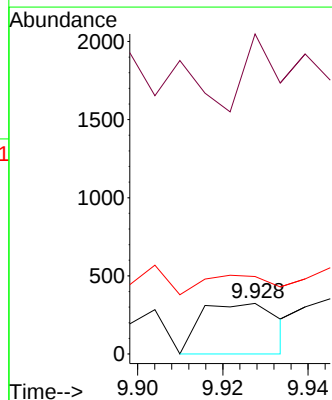
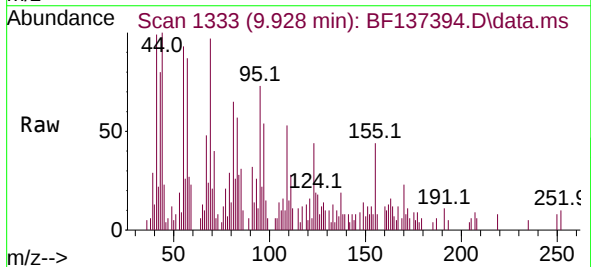
Instrument :
BNA_F
ClientSampleId :

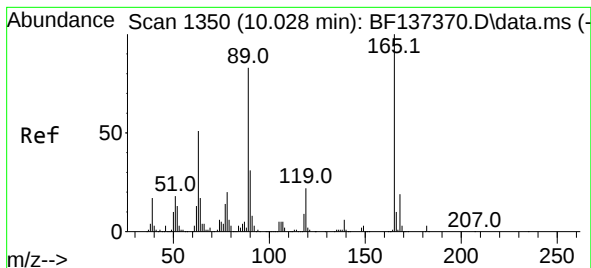
Tgt Ion:138 Resp: 551
Ion Ratio Lower Upper
138 100
108 118.6 8.2 12.2#
92 124.6 102.2 153.2



#56
4-Nitrophenol
Concen: 4.928 ng
RT: 9.928 min Scan# 1333
Delta R.T. -0.029 min
Lab File: BF137394.D
Acq: 26 Feb 2024 19:32

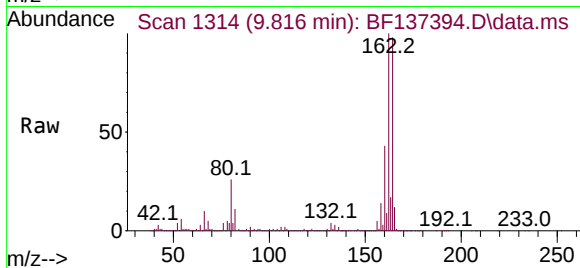
Tgt Ion:139 Resp: 409
Ion Ratio Lower Upper
139 100
109 632.1 48.0 88.0#
65 153.1 82.2 122.2#



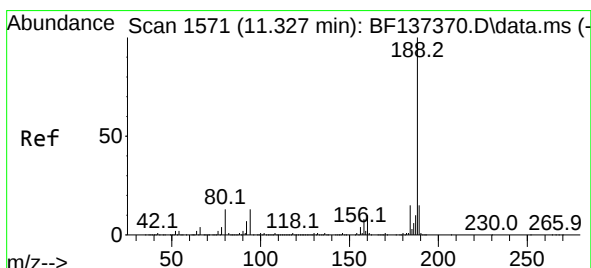
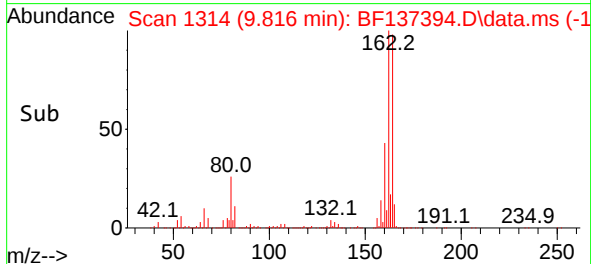
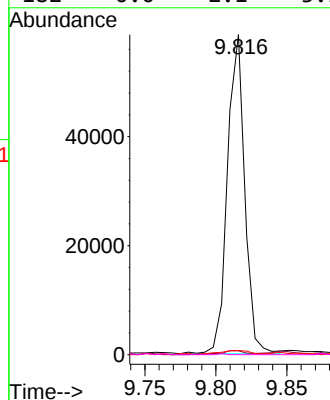


#57
2,4-Dinitrotoluene
Concen: 8.625 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.212 min
Lab File: BF137394.D
Acq: 26 Feb 2024 19:32

Instrument :
BNA_F
ClientSampleId :

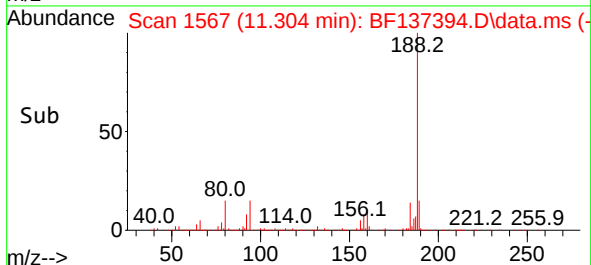
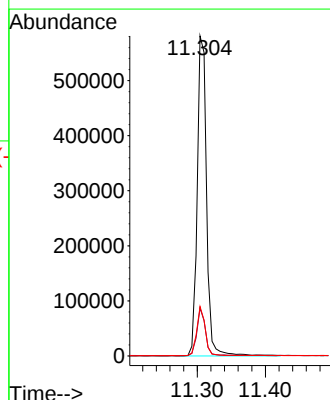
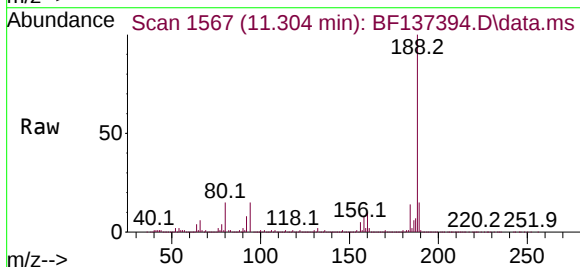


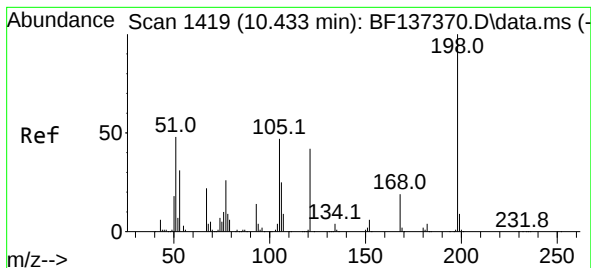
Tgt Ion:165 Resp: 49608
Ion Ratio Lower Upper
165 100
63 1.2 41.1 61.7#
89 1.3 66.6 100.0#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 1567
Delta R.T. -0.023 min
Lab File: BF137394.D
Acq: 26 Feb 2024 19:32

Tgt Ion:188 Resp: 553953
Ion Ratio Lower Upper
188 100
94 14.9 10.2 15.2
80 15.5 10.7 16.1

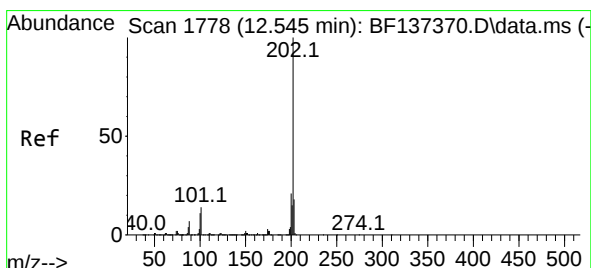
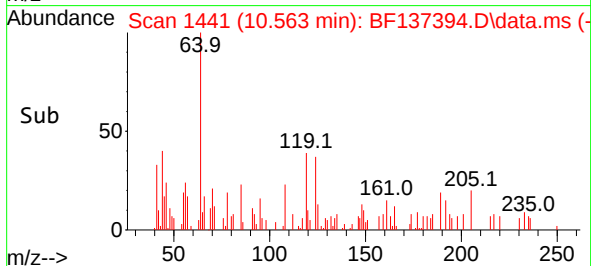
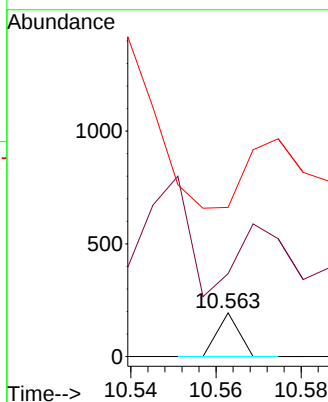
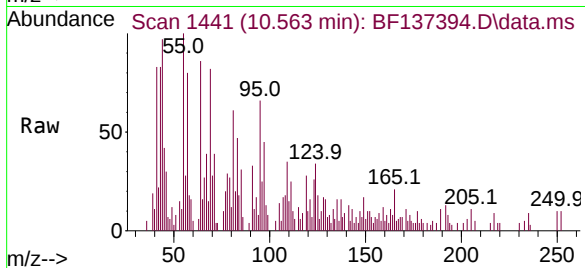




#65
4,6-Dinitro-2-methylphenol
Concen: 4.529 ng
RT: 10.563 min Scan# 1419
Delta R.T. 0.130 min
Lab File: BF137394.D
Acq: 26 Feb 2024 19:32

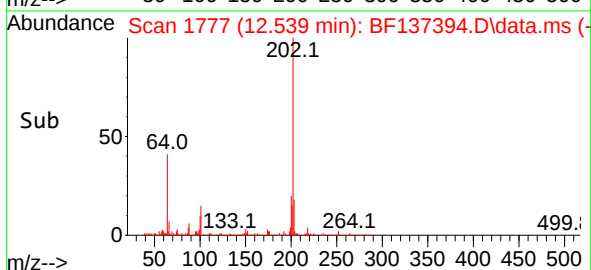
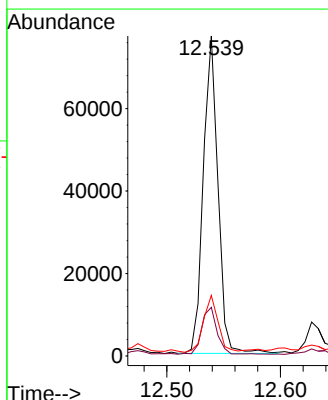
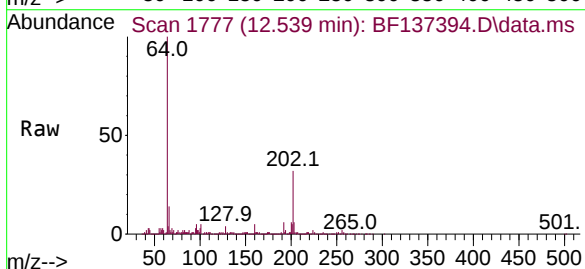
Instrument :
BNA_F
ClientSampleId :

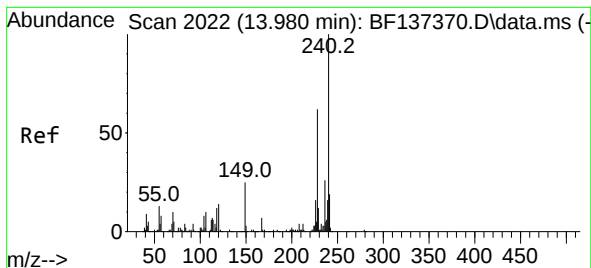
Tgt Ion:198 Resp: 68
Ion Ratio Lower Upper
198 100
51 189.7 36.8 76.8#
105 341.2 28.5 68.5#



#75
Fluoranthene
Concen: 2.314 ng
RT: 12.539 min Scan# 1777
Delta R.T. -0.006 min
Lab File: BF137394.D
Acq: 26 Feb 2024 19:32

Tgt Ion:202 Resp: 69045
Ion Ratio Lower Upper
202 100
101 15.2 0.0 33.9
203 18.9 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.963 min Scan# 20

Delta R.T. -0.018 min

Lab File: BF137394.D

Acq: 26 Feb 2024 19:32

Instrument :

BNA_F

ClientSampleId :

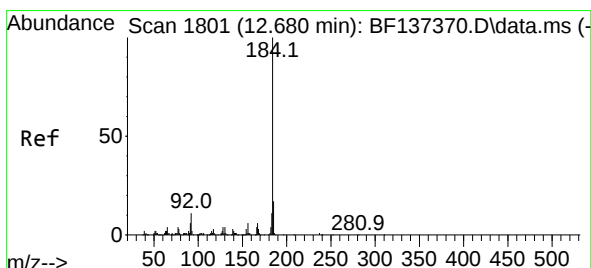
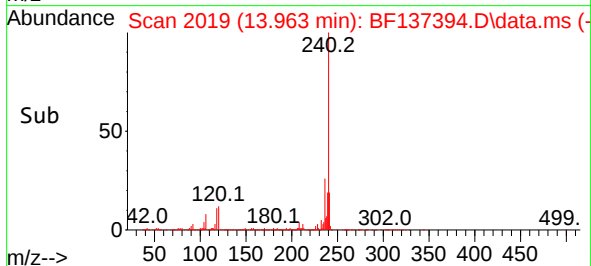
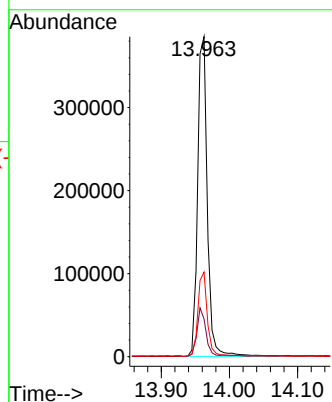
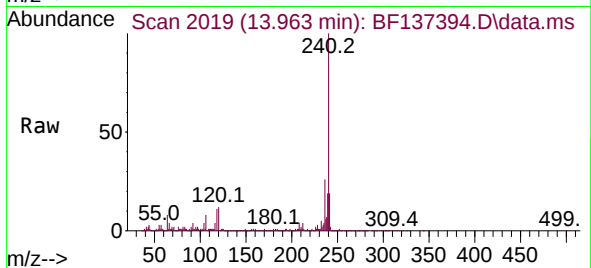
Tgt Ion:240 Resp: 381032

Ion Ratio Lower Upper

240 100

120 11.7 11.3 16.9

236 26.5 20.5 30.7



#77

Benzidine

Concen: 7.026 ng

RT: 12.422 min Scan# 1757

Delta R.T. -0.258 min

Lab File: BF137394.D

Acq: 26 Feb 2024 19:32

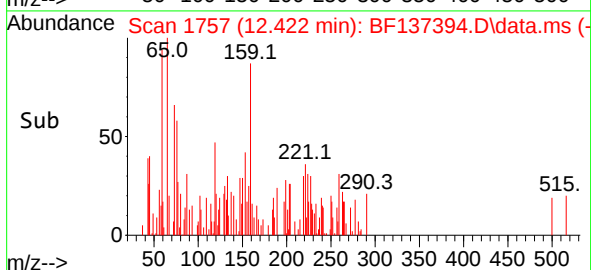
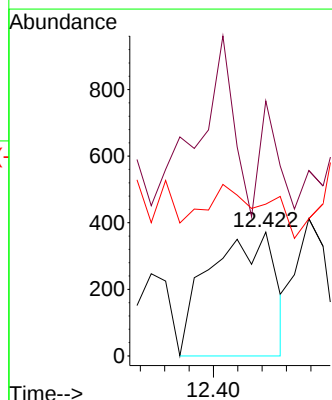
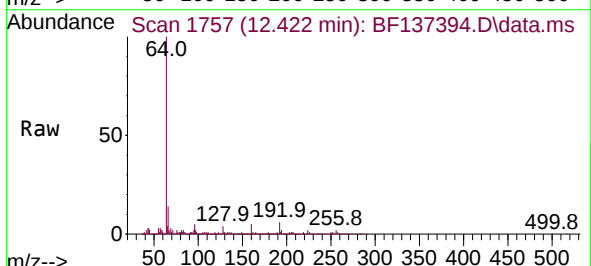
Tgt Ion:184 Resp: 695

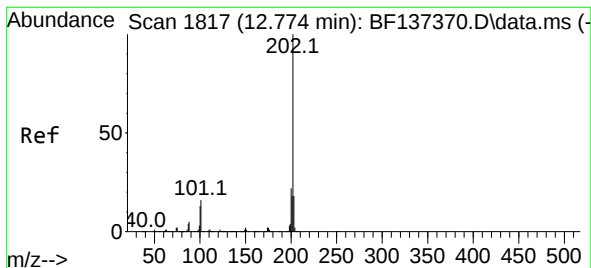
Ion Ratio Lower Upper

184 100

185 205.9 13.7 20.5#

183 122.6 8.8 13.2#





#78

Pyrene

Concen: 2.773 ng

RT: 12.757 min Scan# 1814

Delta R.T. -0.018 min

Lab File: BF137394.D

Acq: 26 Feb 2024 19:32

Instrument :

BNA_F

ClientSampleId :

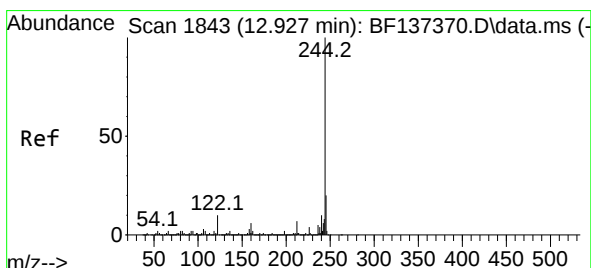
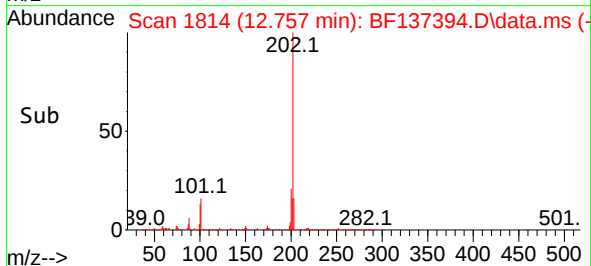
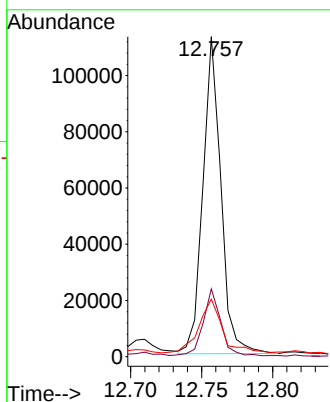
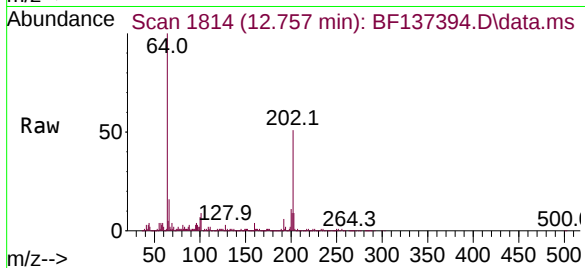
Tgt Ion:202 Resp: 99893

Ion Ratio Lower Upper

202 100

200 21.2 17.4 26.2

203 18.0 14.2 21.2



#79

Terphenyl-d14

Concen: 54.763 ng

RT: 12.910 min Scan# 1840

Delta R.T. -0.018 min

Lab File: BF137394.D

Acq: 26 Feb 2024 19:32

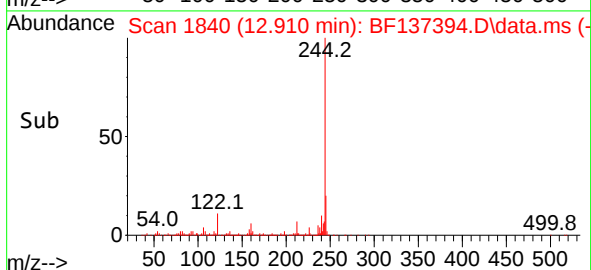
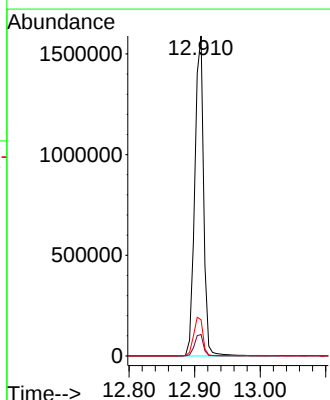
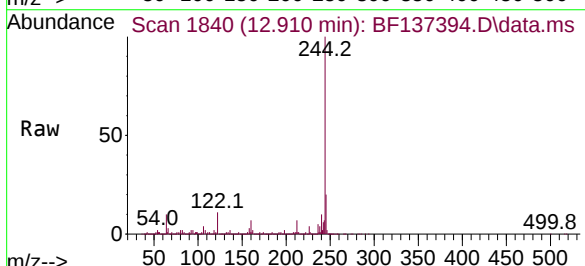
Tgt Ion:244 Resp: 1491868

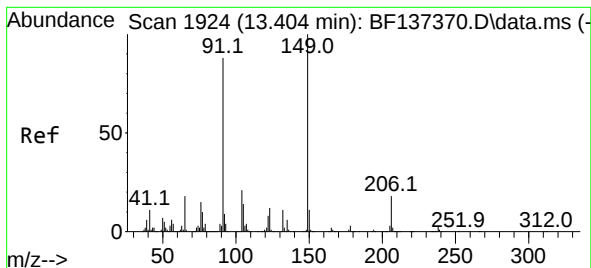
Ion Ratio Lower Upper

244 100

212 6.7 5.3 7.9

122 11.3 8.2 12.4





#80

Butylbenzylphthalate

Concen: 4.277 ng

RT: 13.604 min Scan# 1924

Delta R.T. 0.200 min

Lab File: BF137394.D

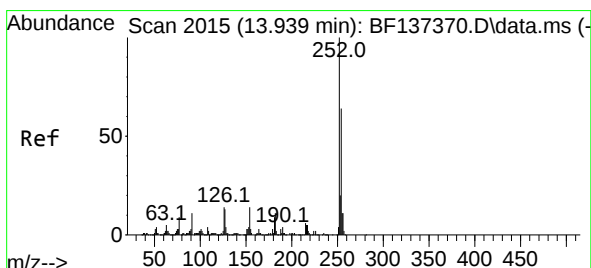
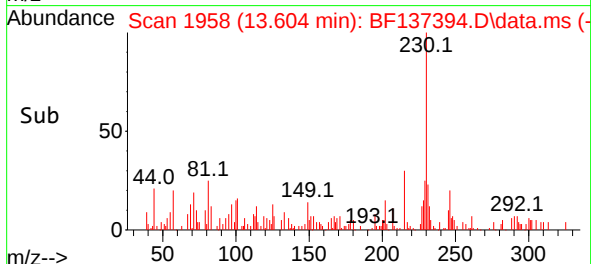
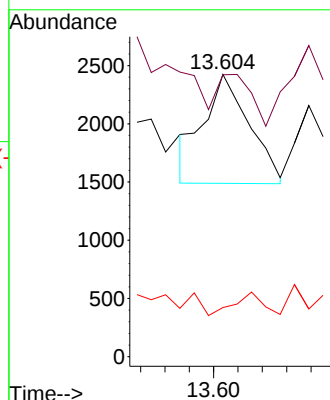
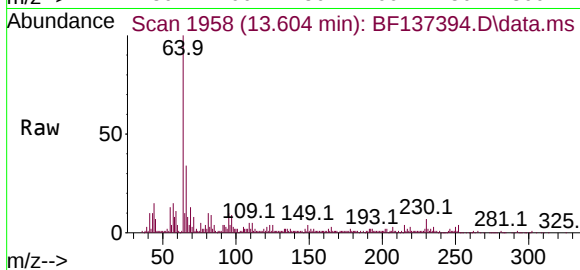
Acq: 26 Feb 2024 19:32

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:	149	Resp:	1212
Ion Ratio	Lower	Upper	
149	100		
91	99.9	70.5	105.7
206	17.4	14.8	22.2



#82

3,3'-Dichlorobenzidine

Concen: 5.108 ng

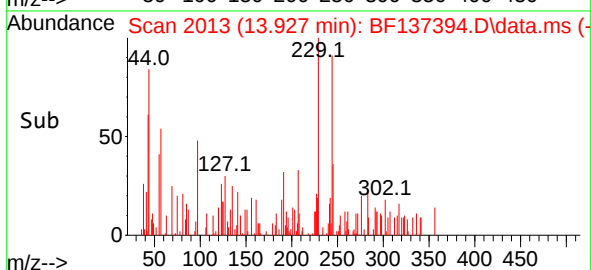
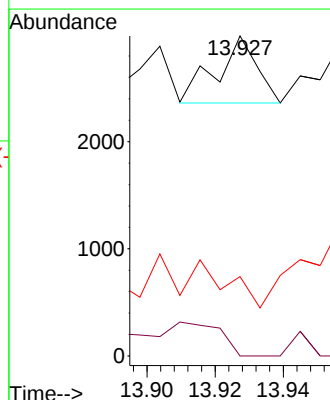
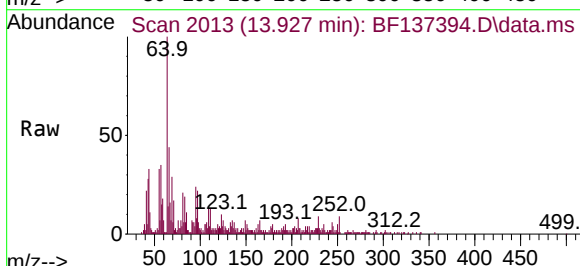
RT: 13.927 min Scan# 2013

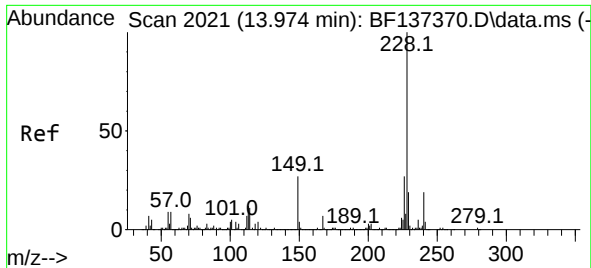
Delta R.T. -0.012 min

Lab File: BF137394.D

Acq: 26 Feb 2024 19:32

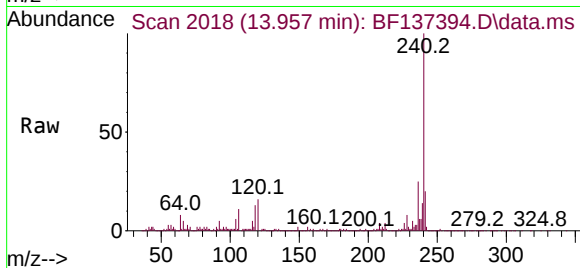
Tgt Ion:	252	Resp:	516
Ion Ratio	Lower	Upper	
252	100		
254	0.0	51.2	76.8#
126	24.8	11.1	16.7#



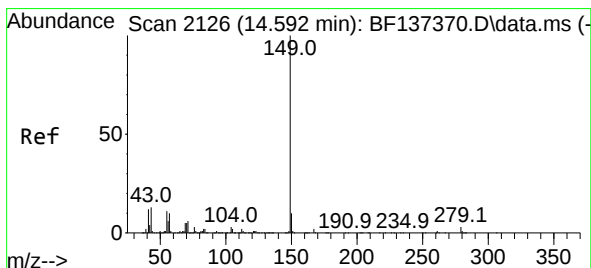
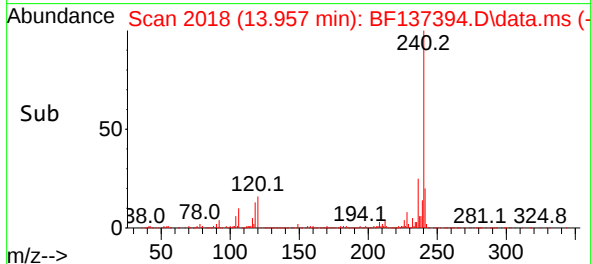
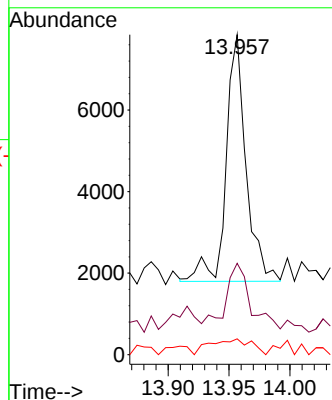


#84
Bis(2-ethylhexyl)phthalate
Concen: 5.257 ng
RT: 13.957 min Scan# 20
Delta R.T. -0.017 min
Lab File: BF137394.D
Acq: 26 Feb 2024 19:32

Instrument :
BNA_F
ClientSampleId :

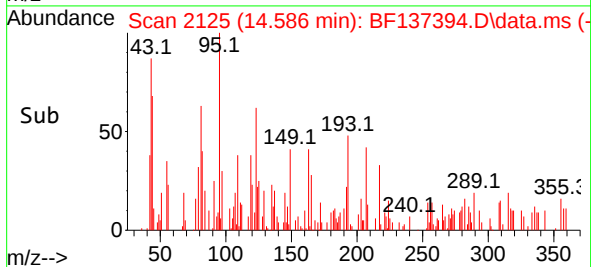
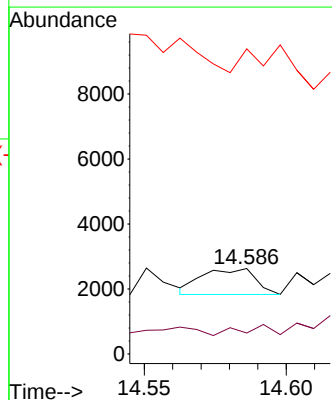
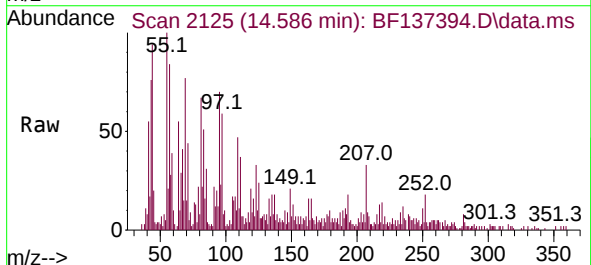


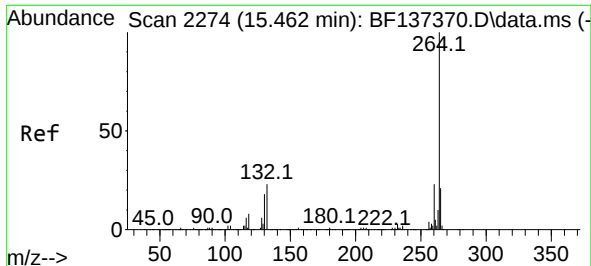
Tgt Ion:149 Resp: 6891
Ion Ratio Lower Upper
149 100
167 28.6 20.6 31.0
279 5.0 2.7 4.1#



#85
Di-n-octyl phthalate
Concen: 6.123 ng
RT: 14.586 min Scan# 2125
Delta R.T. -0.006 min
Lab File: BF137394.D
Acq: 26 Feb 2024 19:32

Tgt Ion:149 Resp: 1031
Ion Ratio Lower Upper
149 100
167 0.0 1.2 1.8#
43 0.0 13.7 20.5#

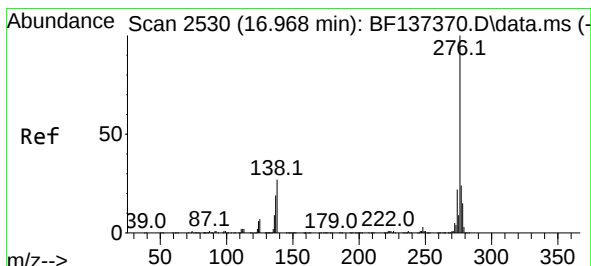
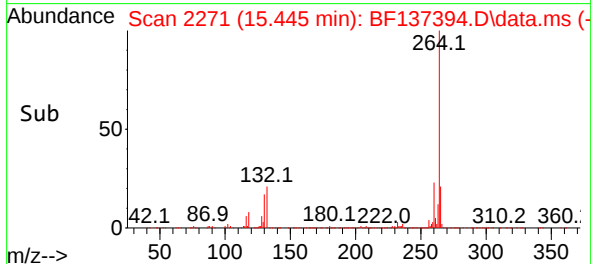
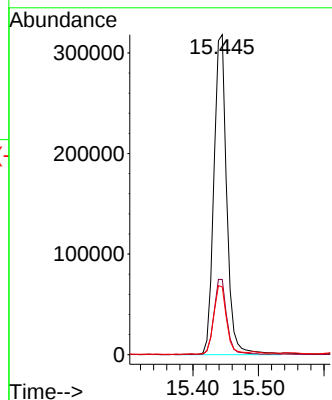
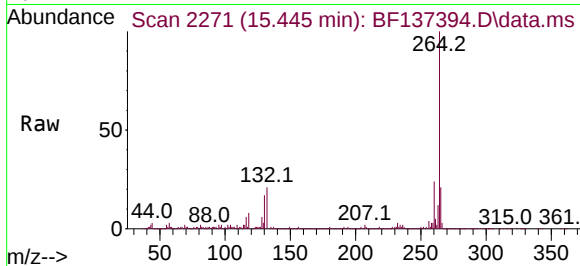




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF137394.D
Acq: 26 Feb 2024 19:32

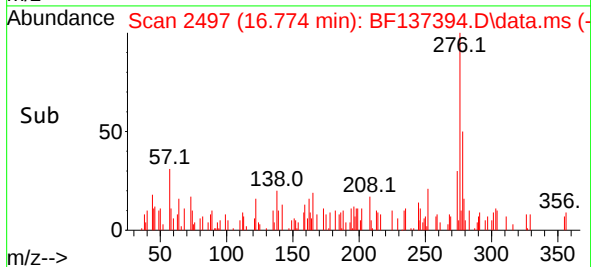
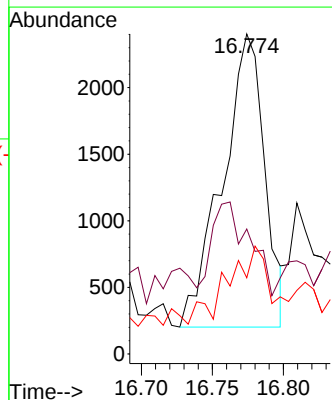
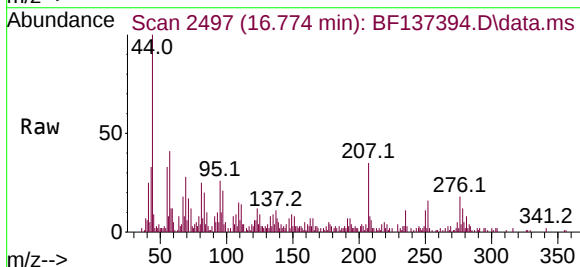
Instrument :
BNA_F
ClientSampleId :

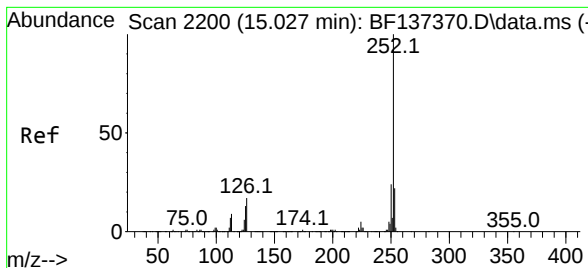
Tgt Ion:264 Resp: 433657
Ion Ratio Lower Upper
264 100
260 23.5 18.5 27.7
265 21.2 16.9 25.3



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.016 ng
RT: 16.774 min Scan# 2497
Delta R.T. -0.194 min
Lab File: BF137394.D
Acq: 26 Feb 2024 19:32

Tgt Ion:276 Resp: 4557
Ion Ratio Lower Upper
276 100
138 30.3 25.8 38.8
277 29.3 19.6 29.4





#88

Benzo(b)fluoranthene

Concen: 3.545 ng

RT: 15.010 min Scan# 2197

Delta R.T. -0.018 min

Lab File: BF137394.D

Acq: 26 Feb 2024 19:32

Instrument :

BNA_F

ClientSampleId :

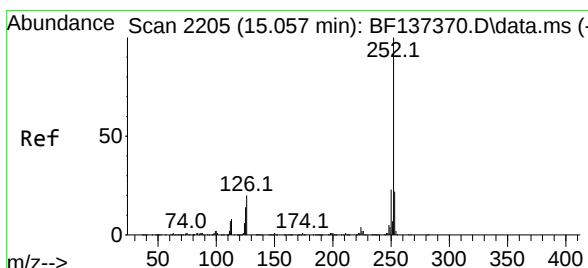
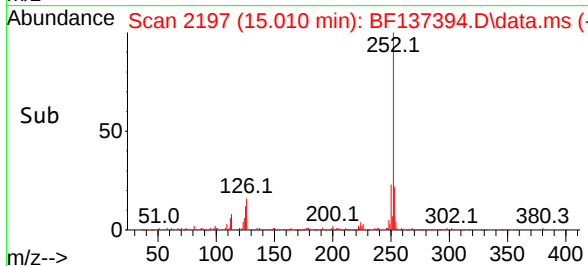
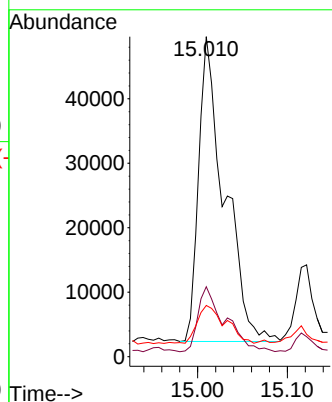
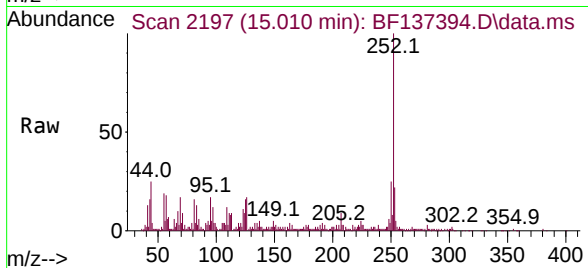
Tgt Ion:252 Resp: 94298

Ion Ratio Lower Upper

252 100

253 21.9 17.4 26.2

125 16.0 10.2 15.2#



#89

Benzo(k)fluoranthene

Concen: 3.382 ng

RT: 15.010 min Scan# 2197

Delta R.T. -0.047 min

Lab File: BF137394.D

Acq: 26 Feb 2024 19:32

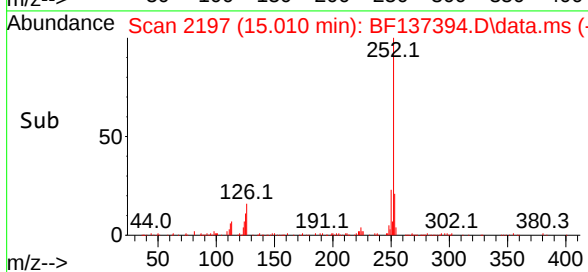
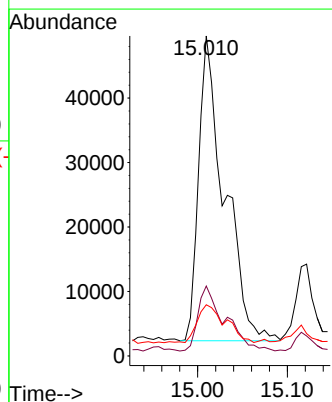
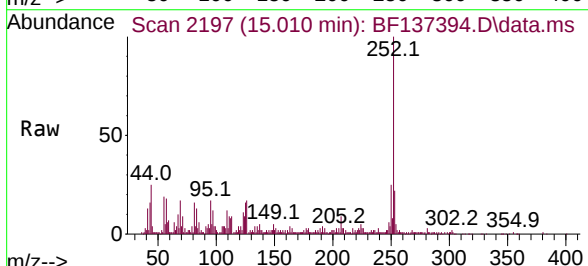
Tgt Ion:252 Resp: 94298

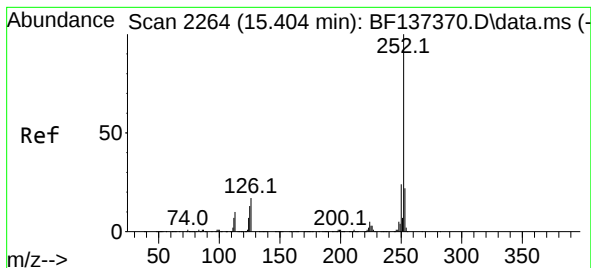
Ion Ratio Lower Upper

252 100

253 21.9 17.3 25.9

125 16.0 10.7 16.1





#90

Benzo(a)pyrene

Concen: 2.405 ng

RT: 15.374 min Scan# 21

Delta R.T. -0.030 min

Lab File: BF137394.D

Acq: 26 Feb 2024 19:32

Instrument :

BNA_F

ClientSampleId :

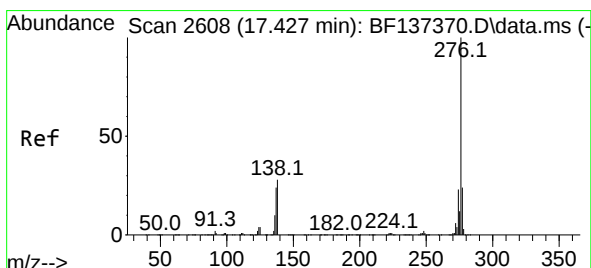
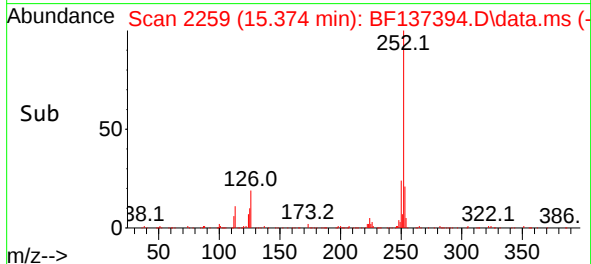
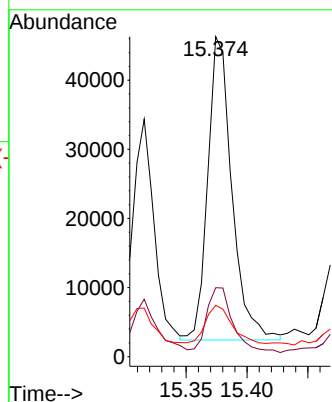
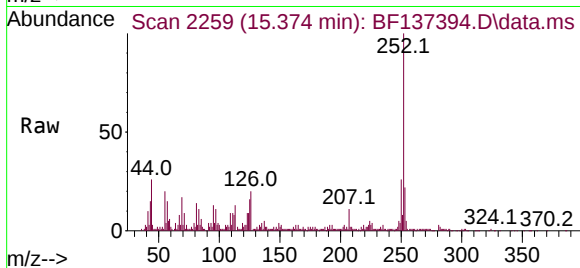
Tgt Ion:252 Resp: 60693

Ion Ratio Lower Upper

252 100

253 21.6 17.3 25.9

125 16.1 10.6 16.0#



#92

Benzo(g,h,i)perylene

Concen: 2.962 ng

RT: 17.380 min Scan# 2600

Delta R.T. -0.047 min

Lab File: BF137394.D

Acq: 26 Feb 2024 19:32

Tgt Ion:276 Resp: 23745

Ion Ratio Lower Upper

276 100

277 27.4 19.0 28.4

138 38.6 22.6 33.8#

