

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022624\
 Data File : BF137392.D
 Acq On : 26 Feb 2024 18:33
 Operator : CG\JU
 Sample : P1538-11
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 20241104-AMENDED-COMPOSITE-35N-N-4-03

Quant Time: Feb 27 00:39:55 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	215646	20.000	ng	-0.02
21) Naphthalene-d8	8.057	136	840335	20.000	ng	-0.02
39) Acenaphthene-d10	9.816	164	429204	20.000	ng	-0.02
64) Phenanthrene-d10	11.304	188	615201	20.000	ng	-0.02
76) Chrysene-d12	13.963	240	399406	20.000	ng	-0.02
86) Perylene-d12	15.439	264	465634	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	284970	20.391	ng	-0.02
7) Phenol-d6	6.416	99	973342	47.346	ng	-0.02
23) Nitrobenzene-d5	7.339	82	903420	53.672	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	22726	6.080	ng	-0.02
45) 2-Fluorobiphenyl	9.139	172	1477473	53.592	ng	-0.02
79) Terphenyl-d14	12.904	244	1206030	42.234	ng	-0.02
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.269	42	378	5.153	ng	# 1
19) n-Nitroso-di-n-propyla...	7.339	70	119131	9.404	ng	# 82
25) Isophorone	7.339	82	903318	25.951	ng	# 69
26) 2-Nitrophenol	7.728	139	83	2.914	ng	# 1
32) Benzoic acid	7.822	122	60	6.957	ng	# 46
48) 2-Nitroaniline	9.339	65	471	4.303	ng	# 1
50) Dimethylphthalate	9.816	163	70787	2.387	ng	# 1
51) 2,6-Dinitrotoluene	9.816	165	57459	10.414	ng	# 26
53) 3-Nitroaniline	9.763	138	330	2.410	ng	# 56
56) 4-Nitrophenol	9.957	139	476	4.934	ng	# 1
57) 2,4-Dinitrotoluene	9.816	165	57459	9.118	ng	# 18
65) 4,6-Dinitro-2-methylph...	10.639	198	225	4.574	ng	# 1
77) Benzidine	12.669	184	699	7.022	ng	# 1
78) Pyrene	12.757	202	76325	2.021	ng	99
80) Butylbenzylphthalate	13.339	149	1252	4.273	ng	96
82) 3,3'-Dichlorobenzidine	13.927	252	172	5.057	ng	# 35
84) Bis(2-ethylhexyl)phtha...	13.957	149	10904	5.848	ng	93
85) Di-n-octyl phthalate	14.574	149	892	6.100	ng	# 1
87) Indeno(1,2,3-cd)pyrene	16.933	276	15395	2.330	ng	99
88) Benzo(b)fluoranthene	15.010	252	63150	2.211	ng	# 93
89) Benzo(k)fluoranthene	15.010	252	63150	2.109	ng	# 93
92) Benzo(g,h,i)perylene	17.380	276	16426	2.645	ng	93

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

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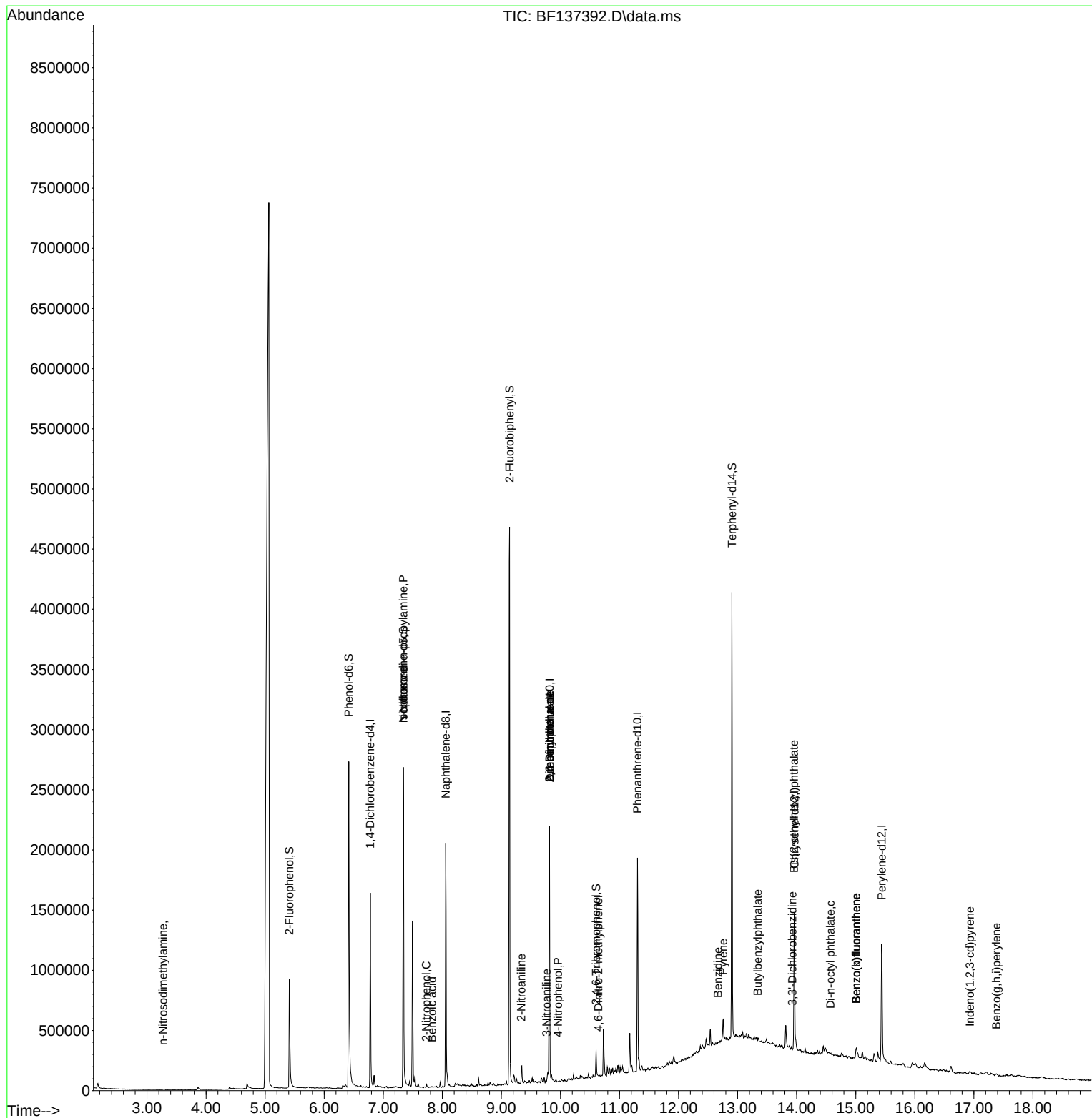
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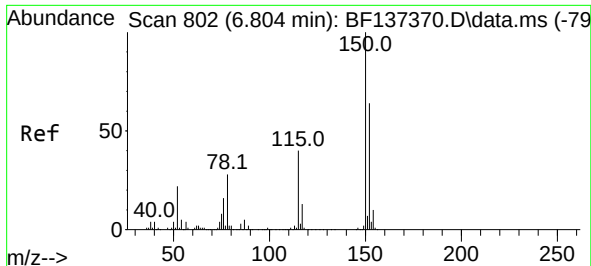
BNA_F

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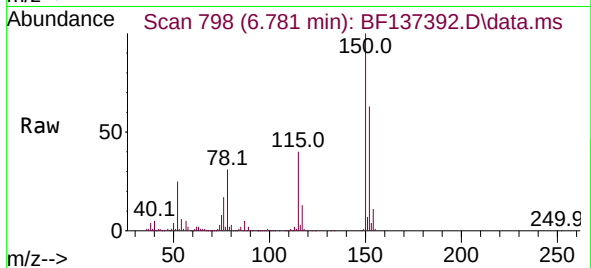
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.023 min
Lab File: BF137392.D
Acq: 26 Feb 2024 18:33

Instrument :

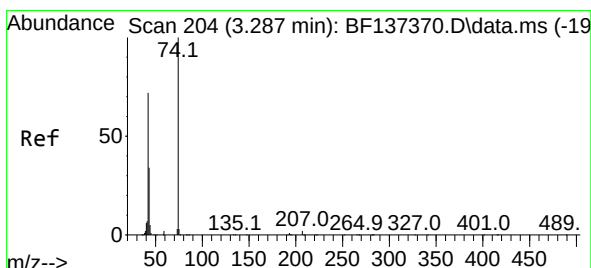
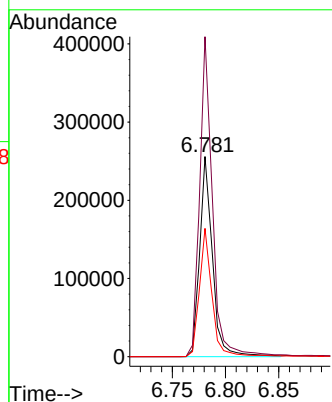
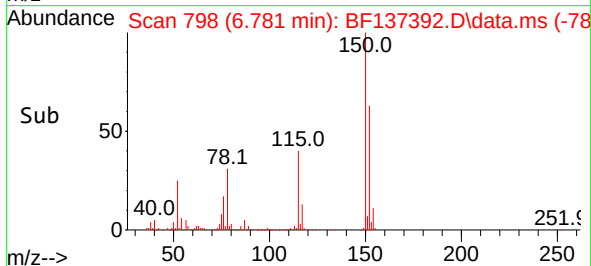
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ClientSampleId :

20241104-AMENDED-COMPOSITE-35N-N-4-03

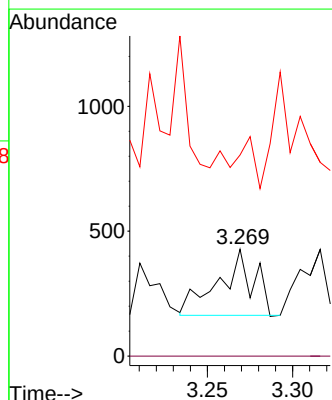
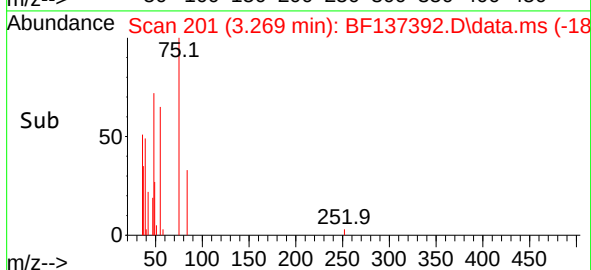
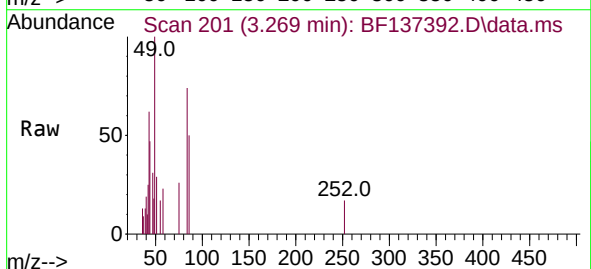


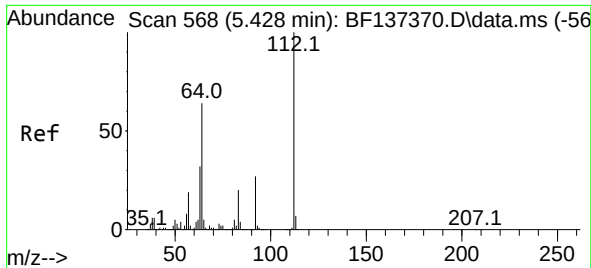
Tgt Ion:152 Resp: 215646
Ion Ratio Lower Upper
152 100
150 159.9 125.7 188.5
115 64.1 49.8 74.8



#4
n-Nitrosodimethylamine
Concen: 5.153 ng
RT: 3.269 min Scan# 201
Delta R.T. -0.018 min
Lab File: BF137392.D
Acq: 26 Feb 2024 18:33

Tgt Ion: 42 Resp: 378
Ion Ratio Lower Upper
42 100
74 0.0 110.8 166.2#
44 188.1 6.0 9.0#





#5
2-Fluorophenol
Concen: 20.391 ng
RT: 5.410 min Scan# 50
Delta R.T. -0.018 min
Lab File: BF137392.D
Acq: 26 Feb 2024 18:33

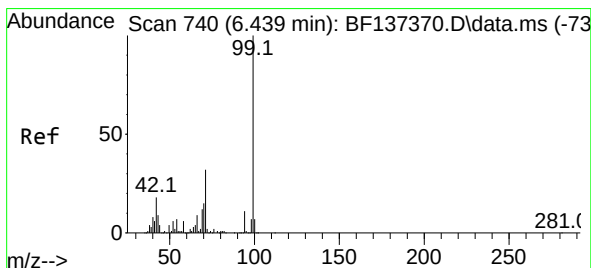
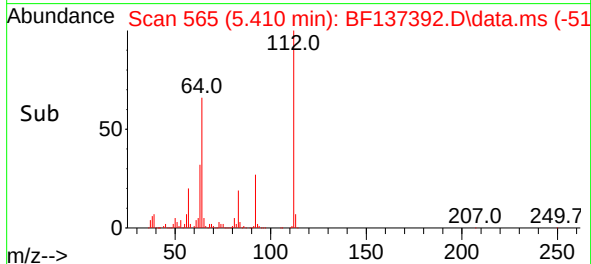
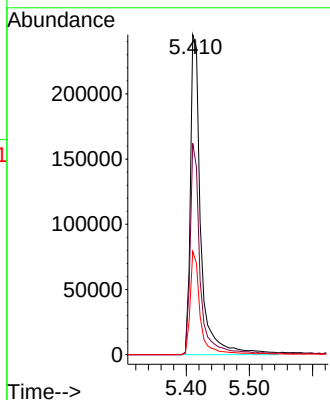
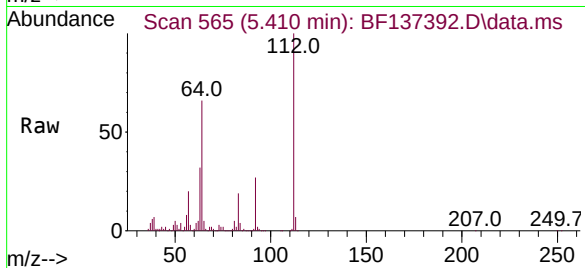
Instrument :

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ClientSampleId :

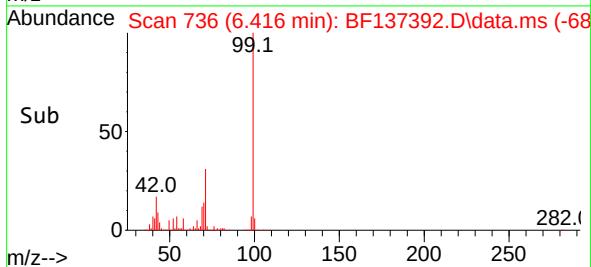
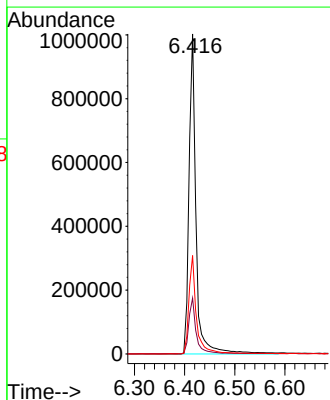
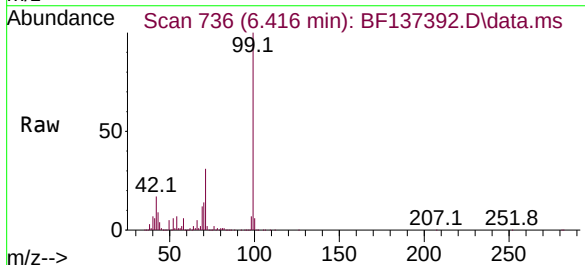
20241104-AMENDED-COMPOSITE-35N-N-4-03

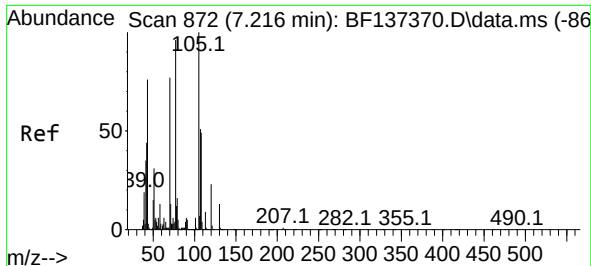
Tgt Ion:112 Resp: 284970
Ion Ratio Lower Upper
112 100
64 66.0 51.0 76.6
63 32.2 25.7 38.5



#7
Phenol-d6
Concen: 47.346 ng
RT: 6.416 min Scan# 736
Delta R.T. -0.023 min
Lab File: BF137392.D
Acq: 26 Feb 2024 18:33

Tgt Ion: 99 Resp: 973342
Ion Ratio Lower Upper
99 100
42 17.5 14.2 21.4
71 30.8 25.2 37.8





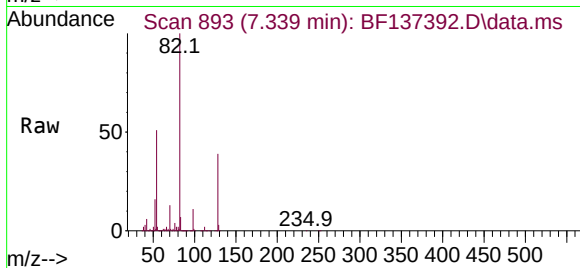
#19
n-Nitroso-di-n-propylamine
Concen: 9.404 ng
RT: 7.339 min Scan# 893
Delta R.T. 0.124 min
Lab File: BF137392.D
Acq: 26 Feb 2024 18:33

Instrument :

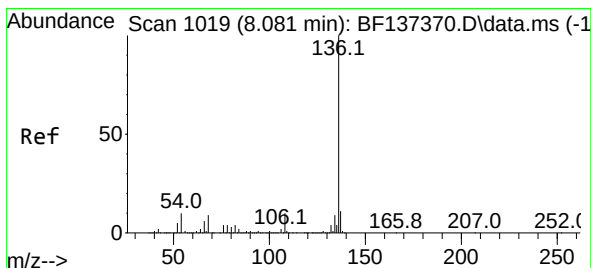
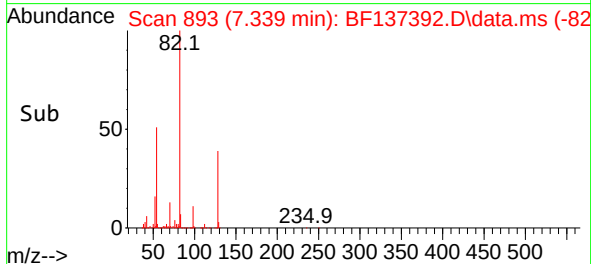
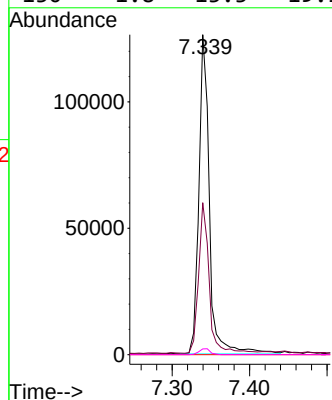
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ClientSampleId :

20241104-AMENDED-COMPOSITE-35N-N-4-03

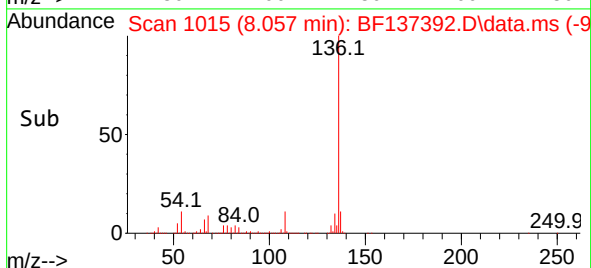
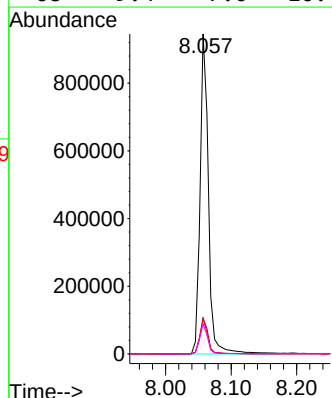
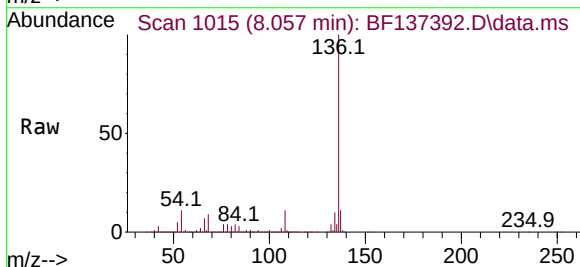


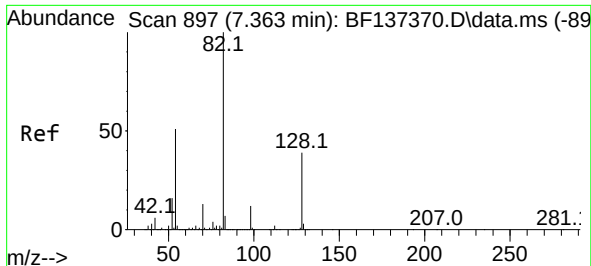
Tgt Ion:	70	Resp:	119131
Ion	Ratio	Lower	Upper
70	100		
42	47.5	45.3	67.9
101	0.0	6.5	9.7#
130	1.8	13.3	19.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.024 min
Lab File: BF137392.D
Acq: 26 Feb 2024 18:33

Tgt Ion:	136	Resp:	840335
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	11.0	7.8	11.6
68	9.4	7.0	10.4





#23
Nitrobenzene-d5
Concen: 53.672 ng
RT: 7.339 min Scan# 897
Delta R.T. -0.023 min
Lab File: BF137392.D
Acq: 26 Feb 2024 18:33

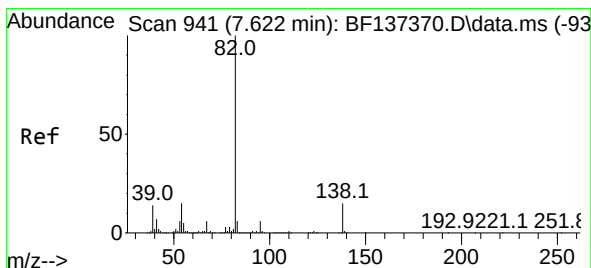
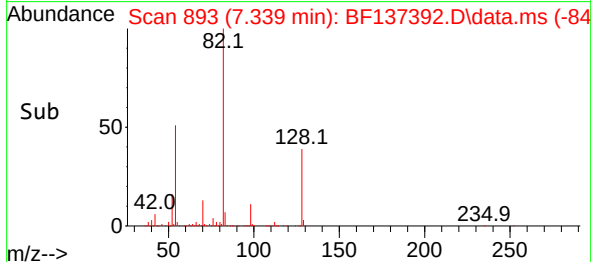
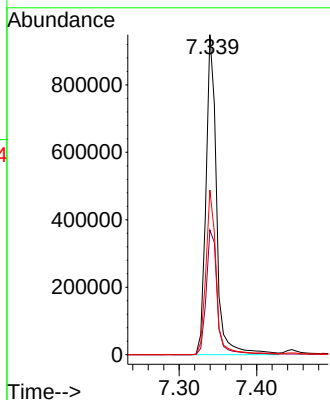
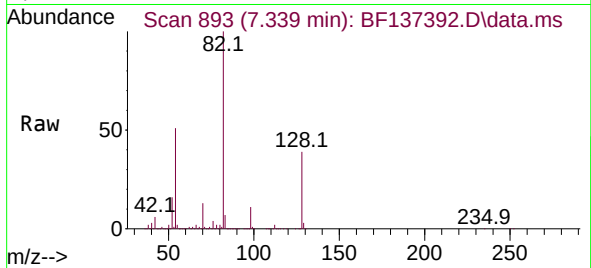
Instrument :

BNA_F

ClientSampleId :

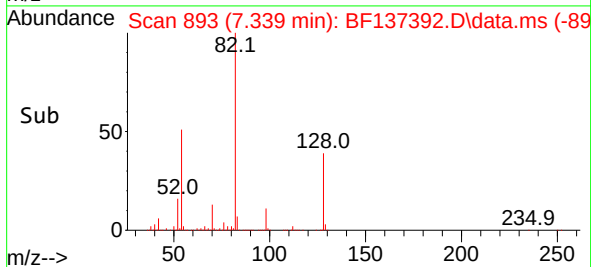
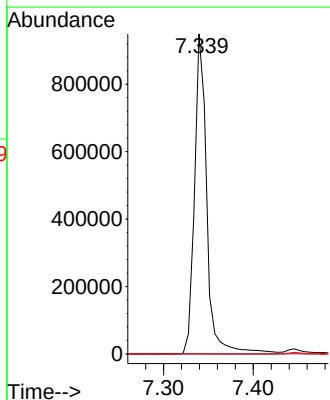
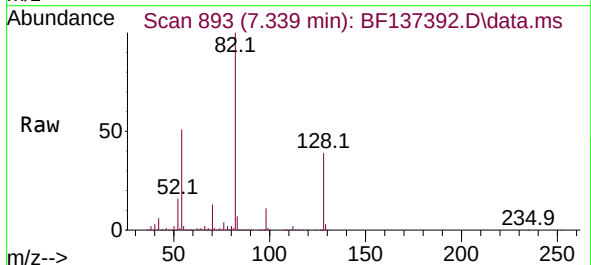
20241104-AMENDED-COMPOSITE-35N-N-4-03

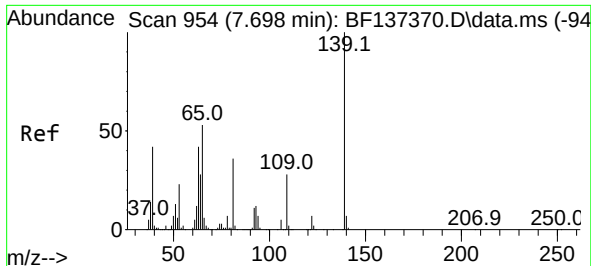
Tgt Ion: 82 Resp: 903420
Ion Ratio Lower Upper
82 100
128 39.0 30.8 46.2
54 51.4 40.8 61.2



#25
Isophorone
Concen: 25.951 ng
RT: 7.339 min Scan# 893
Delta R.T. -0.282 min
Lab File: BF137392.D
Acq: 26 Feb 2024 18:33

Tgt Ion: 82 Resp: 903318
Ion Ratio Lower Upper
82 100
95 0.1 5.1 7.7#
138 0.0 12.2 18.4#





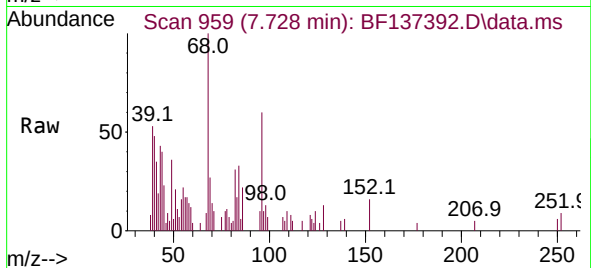
#26
2-Nitrophenol
Concen: 2.914 ng
RT: 7.728 min Scan# 91
Delta R.T. 0.030 min
Lab File: BF137392.D
Acq: 26 Feb 2024 18:33

Instrument :

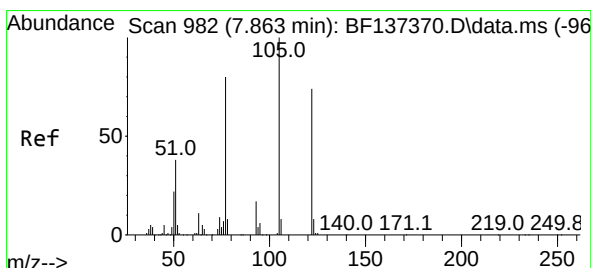
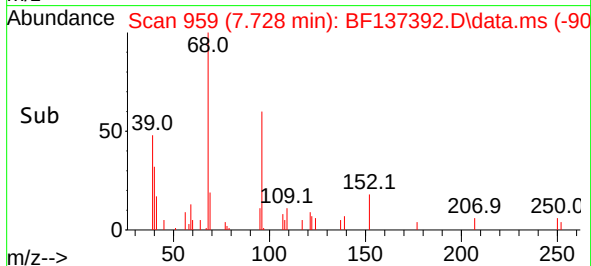
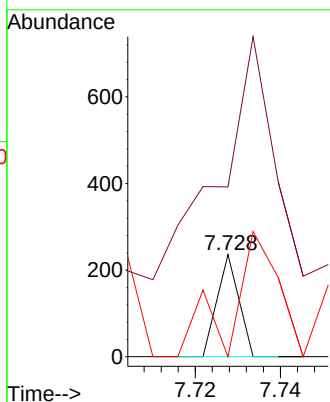
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ClientSampleId :

20241104-AMENDED-COMPOSITE-35N-N-4-03

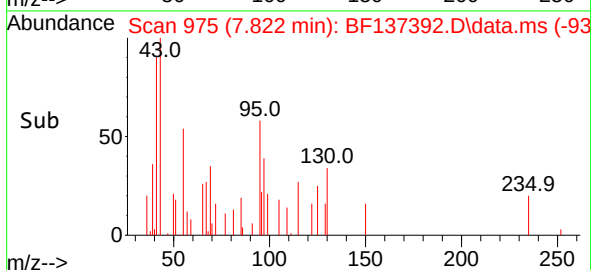
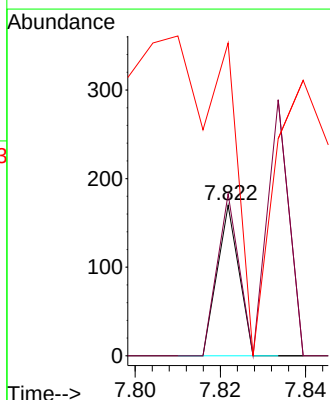
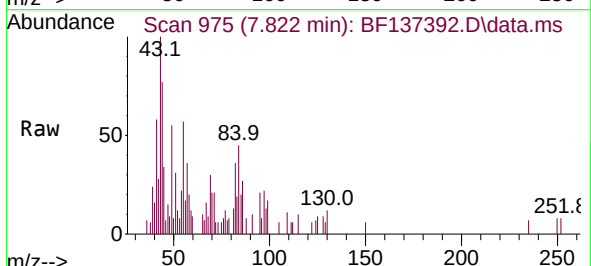


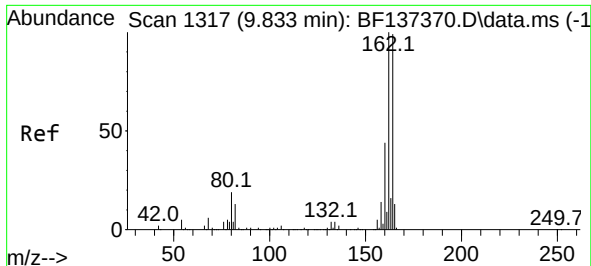
Tgt Ion:139 Resp: 83
Ion Ratio Lower Upper
139 100
109 166.1 22.5 33.7#
65 0.0 42.3 63.5#



#32
Benzoic acid
Concen: 6.957 ng
RT: 7.822 min Scan# 975
Delta R.T. -0.041 min
Lab File: BF137392.D
Acq: 26 Feb 2024 18:33

Tgt Ion:122 Resp: 60
Ion Ratio Lower Upper
122 100
105 107.6 101.1 141.1
77 207.6 82.8 122.8#





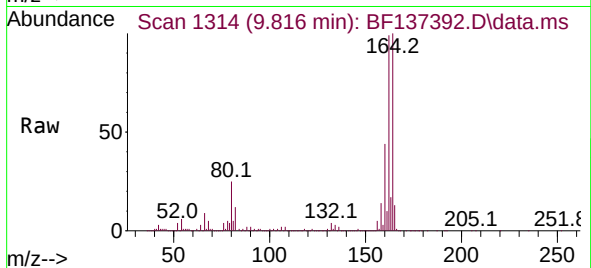
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Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF137392.D
Acq: 26 Feb 2024 18:33

Instrument :

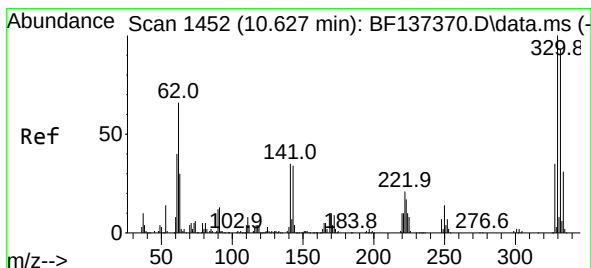
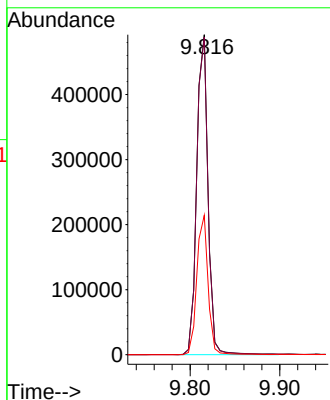
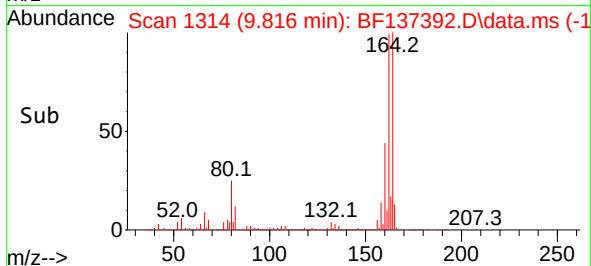
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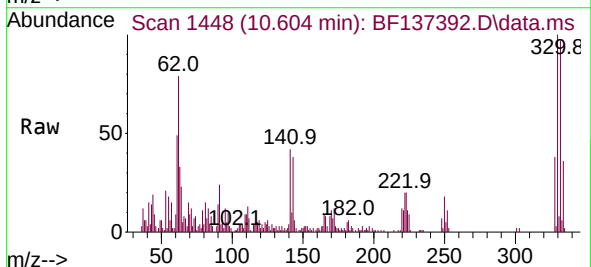
20241104-AMENDED-COMPOSITE-35N-N-4-03



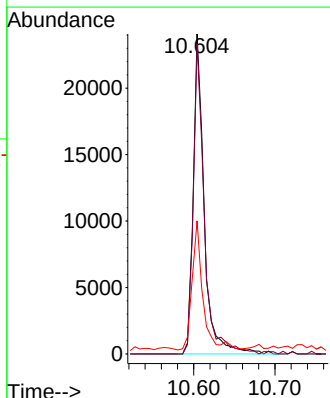
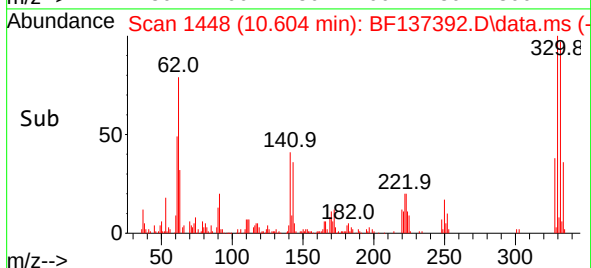
Tgt Ion:164 Resp: 429204
Ion Ratio Lower Upper
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162 99.3 81.2 121.8
160 43.5 35.7 53.5

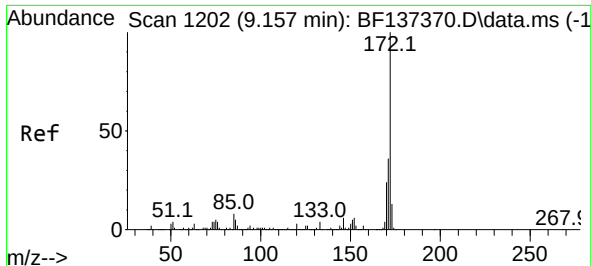


#42
2,4,6-Tribromophenol
Concen: 6.080 ng
RT: 10.604 min Scan# 1448
Delta R.T. -0.023 min
Lab File: BF137392.D
Acq: 26 Feb 2024 18:33



Tgt Ion:330 Resp: 22726
Ion Ratio Lower Upper
330 100
332 96.8 75.6 113.4
141 37.8 28.6 42.8





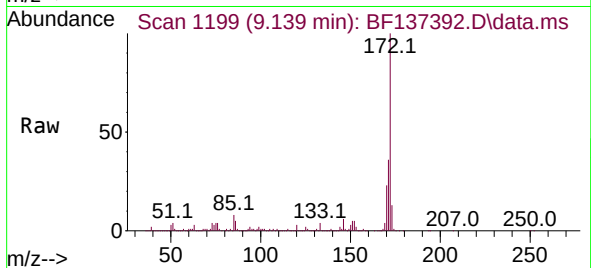
#45
2-Fluorobiphenyl
Concen: 53.592 ng
RT: 9.139 min Scan# 1199
Delta R.T. -0.018 min
Lab File: BF137392.D
Acq: 26 Feb 2024 18:33

Instrument :

BNA_F

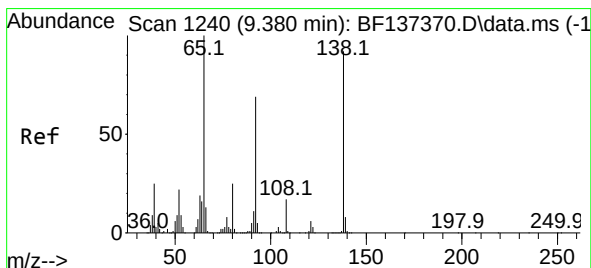
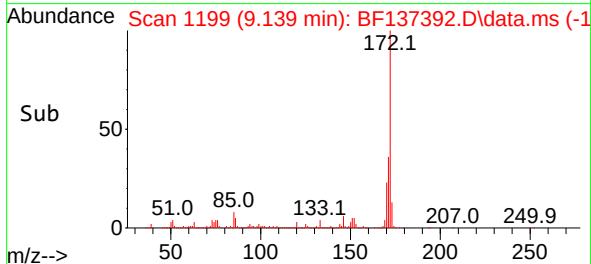
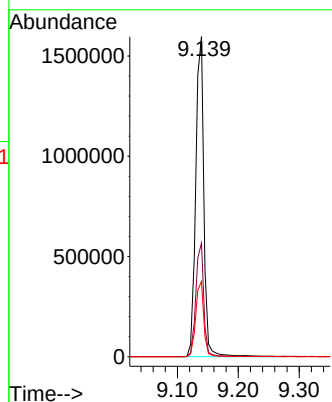
ClientSampleId :

20241104-AMENDED-COMPOSITE-35N-N-4-03



Tgt Ion:172 Resp: 1477473

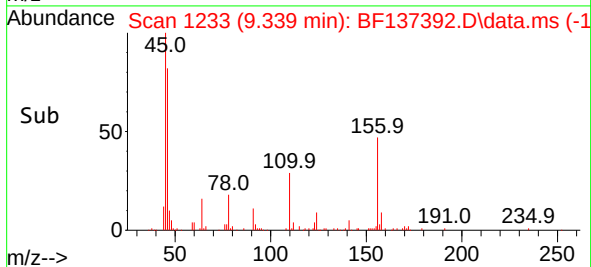
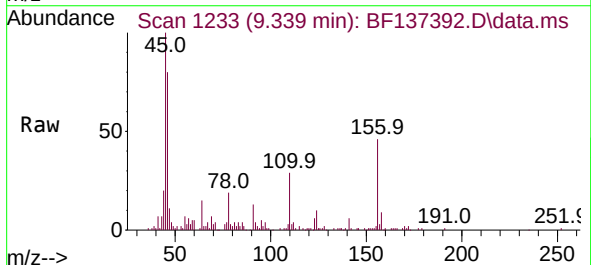
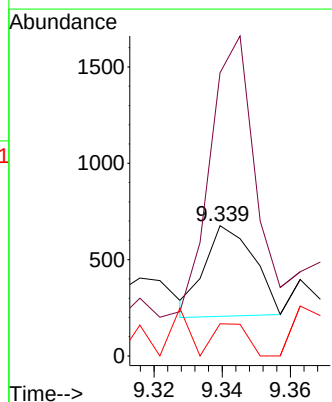
Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.7	43.1
170	23.5	19.5	29.3

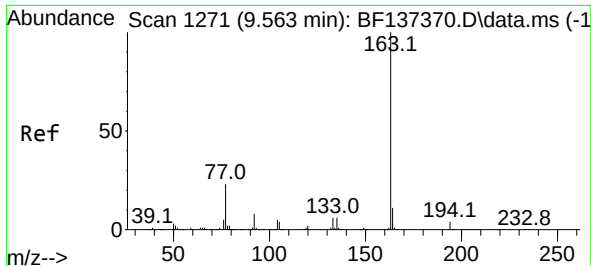


#48
2-Nitroaniline
Concen: 4.303 ng
RT: 9.339 min Scan# 1233
Delta R.T. -0.041 min
Lab File: BF137392.D
Acq: 26 Feb 2024 18:33

Tgt Ion: 65 Resp: 471

Ion	Ratio	Lower	Upper
65	100		
92	217.5	55.0	82.6#
138	24.7	73.7	110.5#





#50
Dimethylphthalate
Concen: 2.387 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.253 min
Lab File: BF137392.D
Acq: 26 Feb 2024 18:33

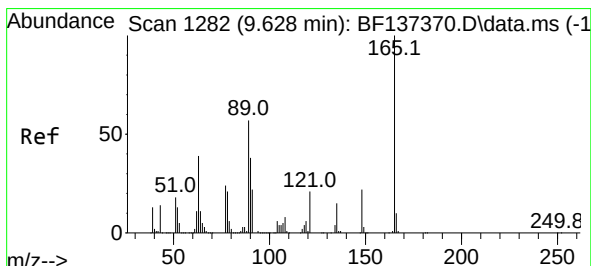
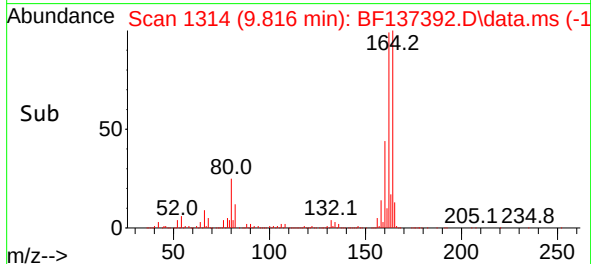
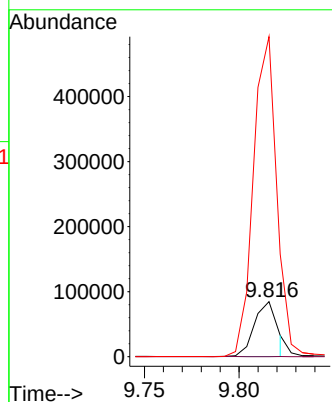
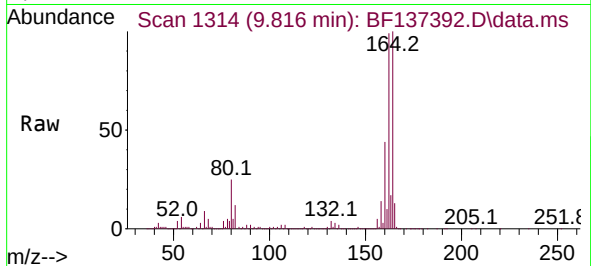
Instrument :

BNA_F

ClientSampleId :

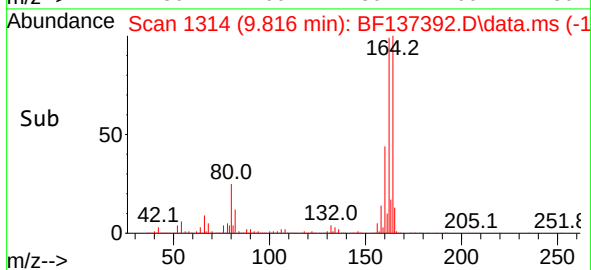
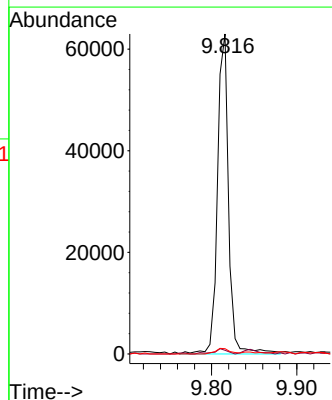
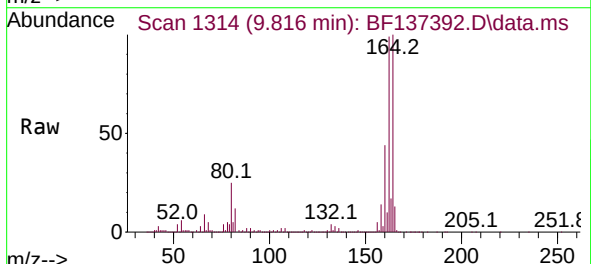
20241104-AMENDED-COMPOSITE-35N-N-4-03

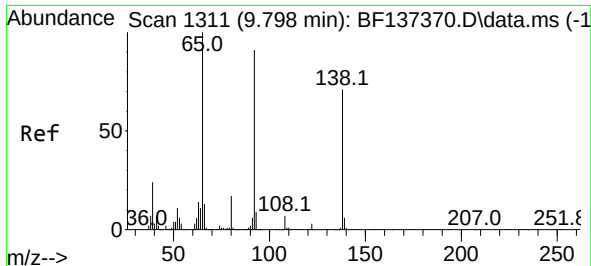
Tgt Ion:163 Resp: 70787
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.4#
164 582.0 8.5 12.7#



#51
2,6-Dinitrotoluene
Concen: 10.414 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.188 min
Lab File: BF137392.D
Acq: 26 Feb 2024 18:33

Tgt Ion:165 Resp: 57459
Ion Ratio Lower Upper
165 100
63 1.2 41.6 62.4#
89 1.6 45.8 68.6#





#53
3-Nitroaniline
Concen: 2.410 ng
RT: 9.763 min Scan# 11
Delta R.T. -0.035 min
Lab File: BF137392.D
Acq: 26 Feb 2024 18:33

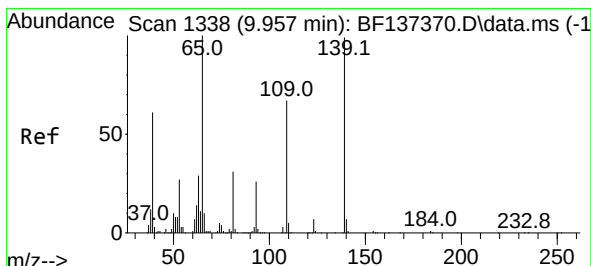
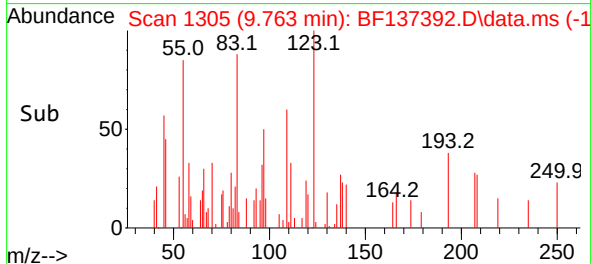
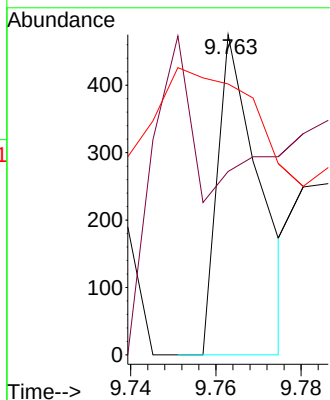
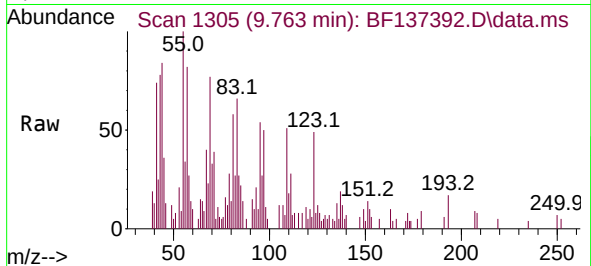
Instrument :

BNA_F

ClientSampleId :

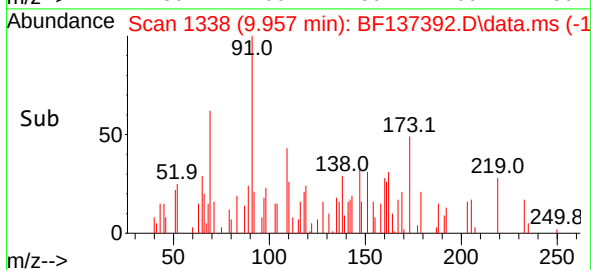
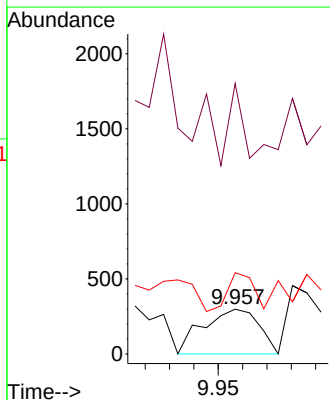
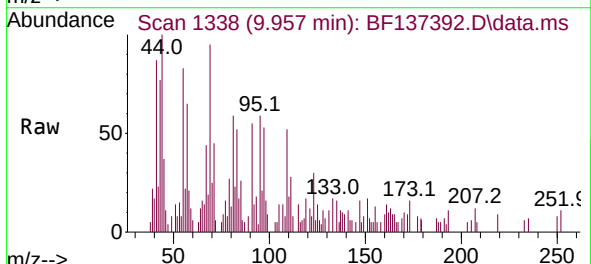
20241104-AMENDED-COMPOSITE-35N-N-4-03

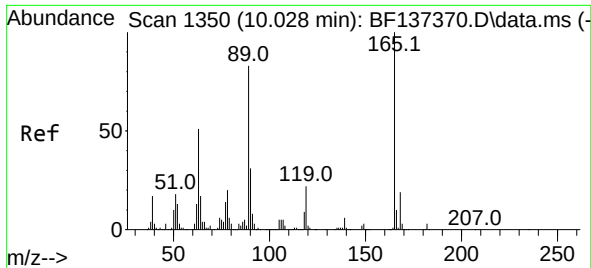
Tgt Ion:138 Resp: 330
Ion Ratio Lower Upper
138 100
108 57.3 8.2 12.2#
92 84.6 102.2 153.2#



#56
4-Nitrophenol
Concen: 4.934 ng
RT: 9.957 min Scan# 1338
Delta R.T. -0.000 min
Lab File: BF137392.D
Acq: 26 Feb 2024 18:33

Tgt Ion:139 Resp: 476
Ion Ratio Lower Upper
139 100
109 602.7 48.0 88.0#
65 180.9 82.2 122.2#





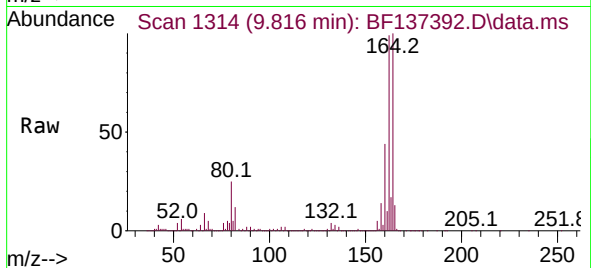
#57
2,4-Dinitrotoluene
Concen: 9.118 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.212 min
Lab File: BF137392.D
Acq: 26 Feb 2024 18:33

Instrument :

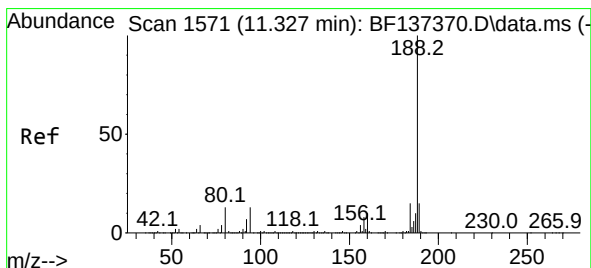
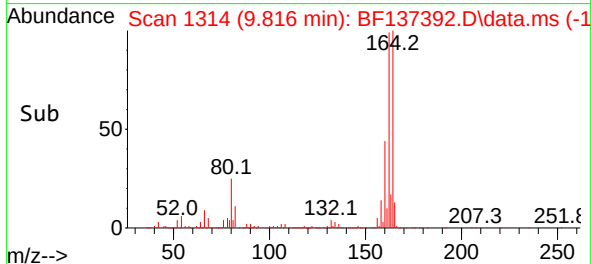
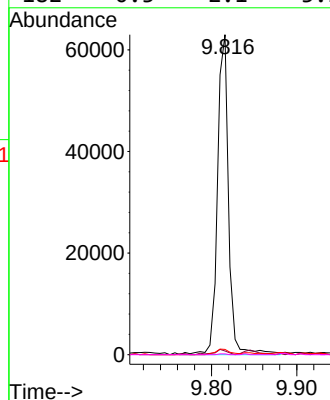
BNA_F

ClientSampleId :

20241104-AMENDED-COMPOSITE-35N-N-4-03

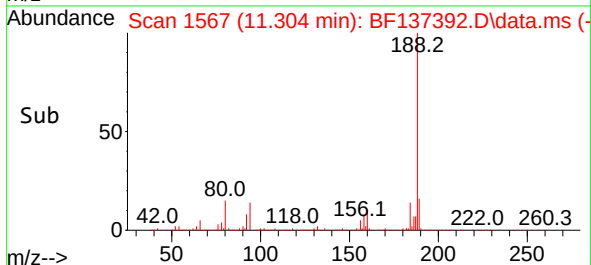
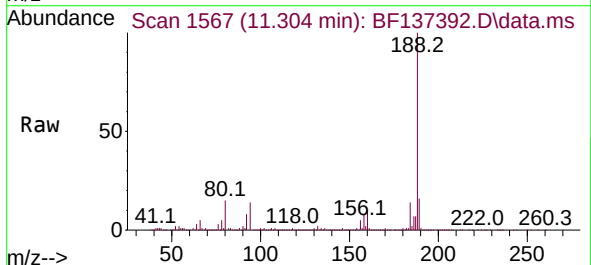
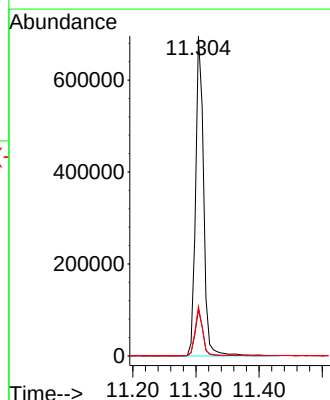


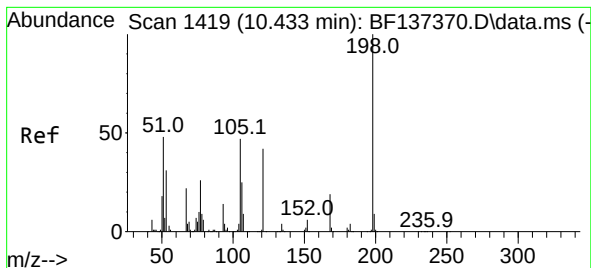
Tgt Ion:165 Resp: 57459
Ion Ratio Lower Upper
165 100
63 1.2 41.1 61.7#
89 1.6 66.6 100.0#
182 0.3 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 1567
Delta R.T. -0.023 min
Lab File: BF137392.D
Acq: 26 Feb 2024 18:33

Tgt Ion:188 Resp: 615201
Ion Ratio Lower Upper
188 100
94 14.4 10.2 15.2
80 15.5 10.7 16.1





#65
4,6-Dinitro-2-methylphenol
Concen: 4.574 ng
RT: 10.639 min Scan# 1419
Delta R.T. 0.206 min
Lab File: BF137392.D
Acq: 26 Feb 2024 18:33

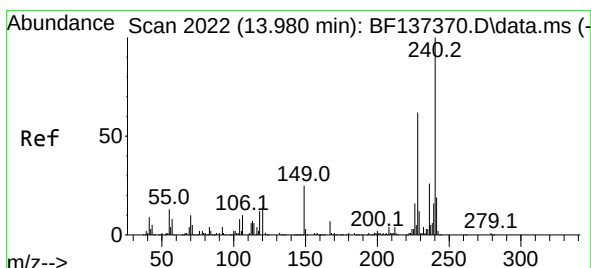
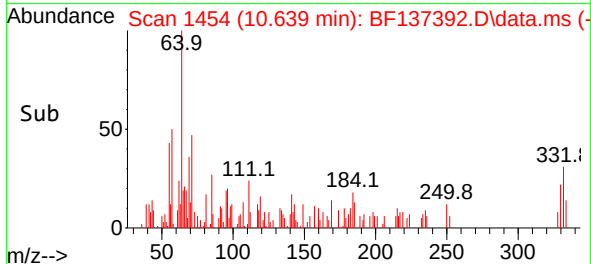
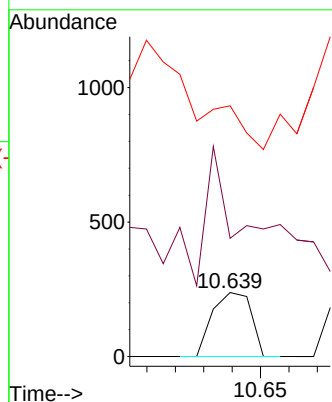
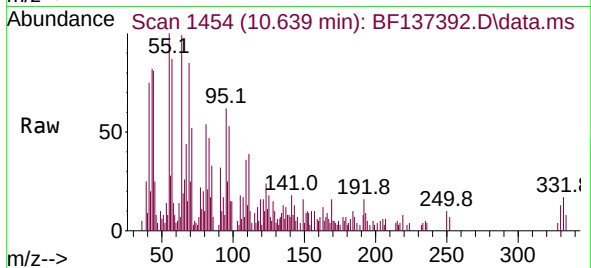
Instrument :

BNA_F

ClientSampleId :

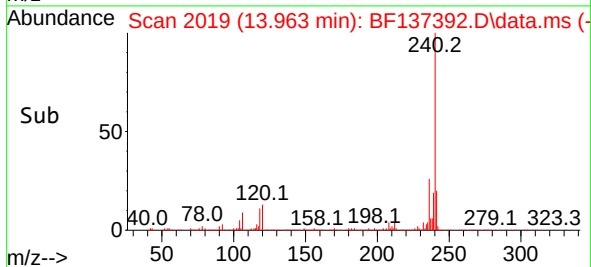
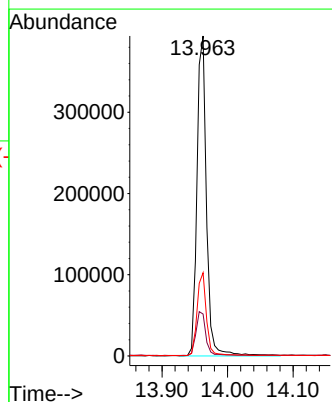
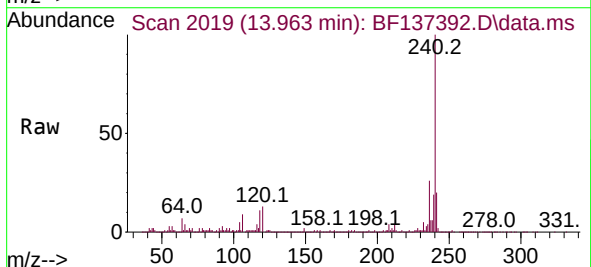
20241104-AMENDED-COMPOSITE-35N-N-4-03

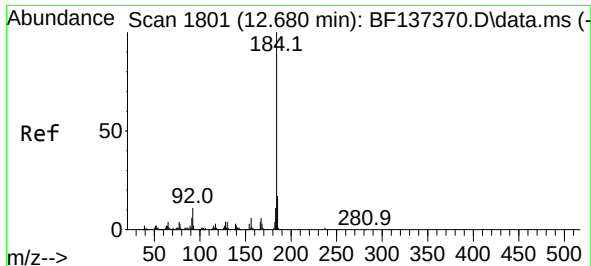
Tgt Ion:198 Resp: 225
Ion Ratio Lower Upper
198 100
51 184.9 36.8 76.8#
105 391.6 28.5 68.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2019
Delta R.T. -0.018 min
Lab File: BF137392.D
Acq: 26 Feb 2024 18:33

Tgt Ion:240 Resp: 399406
Ion Ratio Lower Upper
240 100
120 13.1 11.3 16.9
236 26.0 20.5 30.7





#77
Benzidine
Concen: 7.022 ng
RT: 12.669 min Scan# 11
Delta R.T. -0.011 min
Lab File: BF137392.D
Acq: 26 Feb 2024 18:33

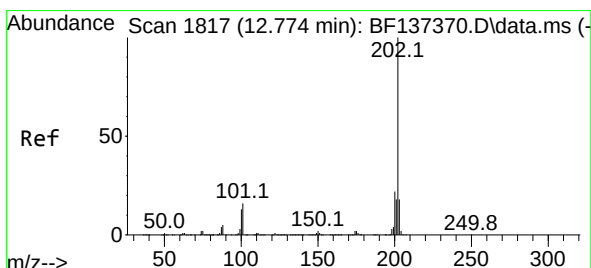
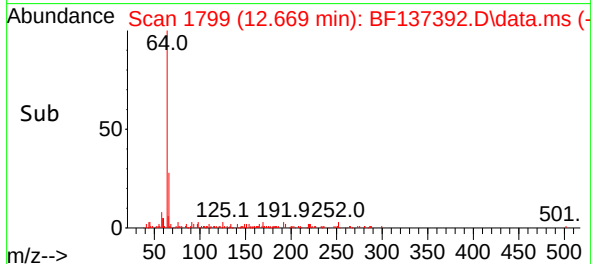
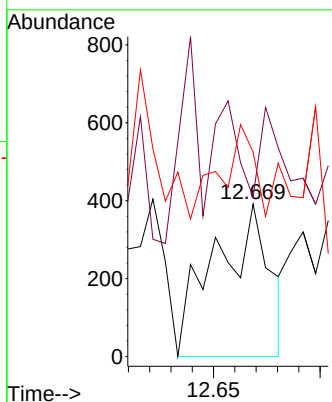
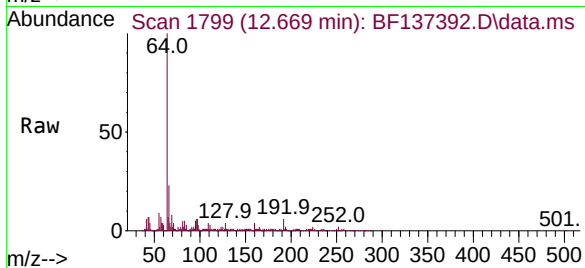
Instrument :

BNA_F

ClientSampleId :

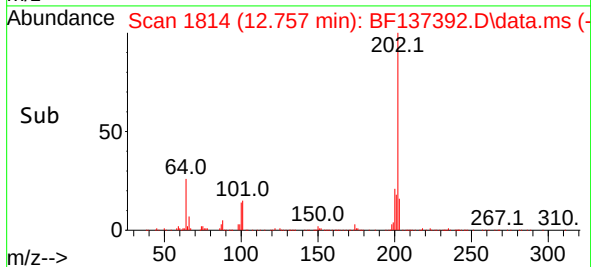
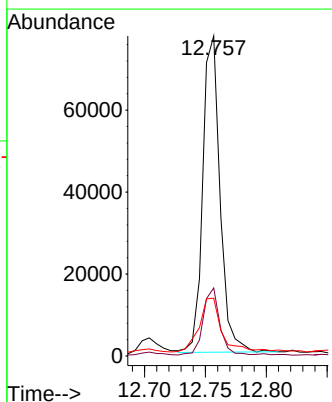
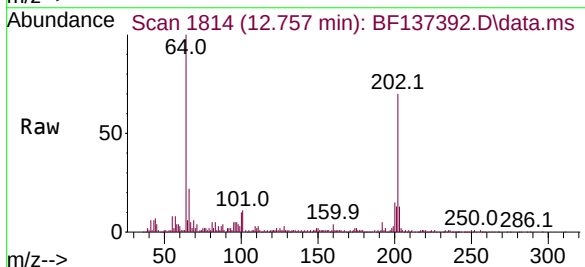
20241104-AMENDED-COMPOSITE-35N-N-4-03

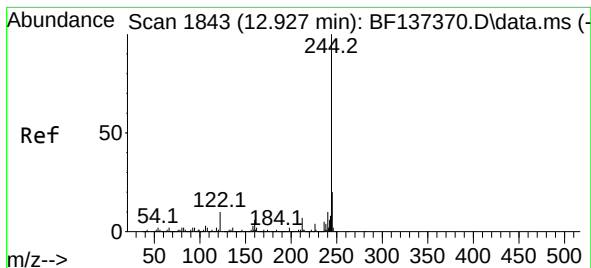
Tgt Ion:184 Resp: 699
Ion Ratio Lower Upper
184 100
185 104.6 13.7 20.5#
183 134.3 8.8 13.2#



#78
Pyrene
Concen: 2.021 ng
RT: 12.757 min Scan# 1814
Delta R.T. -0.018 min
Lab File: BF137392.D
Acq: 26 Feb 2024 18:33

Tgt Ion:202 Resp: 76325
Ion Ratio Lower Upper
202 100
200 21.2 17.4 26.2
203 18.1 14.2 21.2





#79

Terphenyl-d14

Concen: 42.234 ng

RT: 12.904 min Scan# 1

Delta R.T. -0.023 min

Lab File: BF137392.D

Acq: 26 Feb 2024 18:33

Instrument :

BNA_F

ClientSampleId :

20241104-AMENDED-COMPOSITE-35N-N-4-03

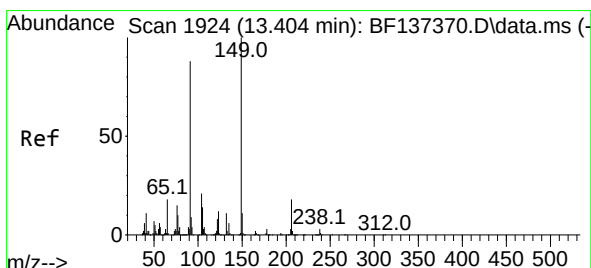
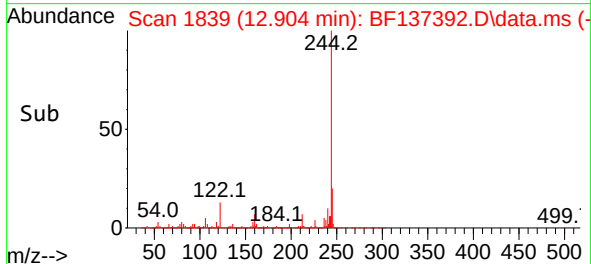
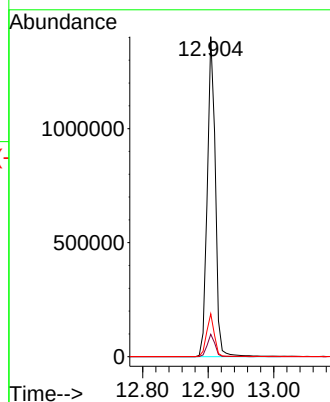
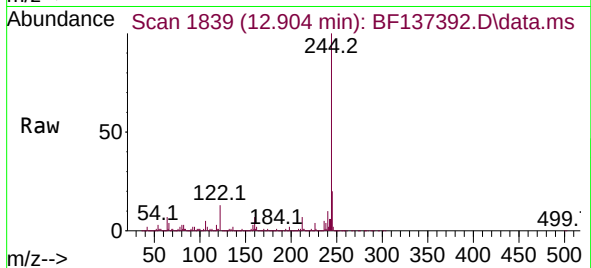
Tgt Ion:244 Resp: 1206030

Ion Ratio Lower Upper

244 100

212 7.0 5.3 7.9

122 13.4 8.2 12.4#



#80

Butylbenzylphthalate

Concen: 4.273 ng

RT: 13.339 min Scan# 1913

Delta R.T. -0.065 min

Lab File: BF137392.D

Acq: 26 Feb 2024 18:33

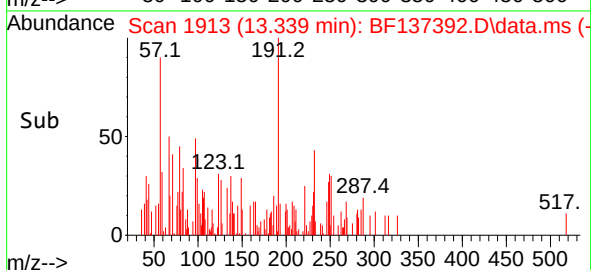
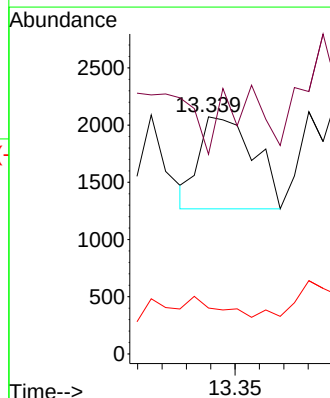
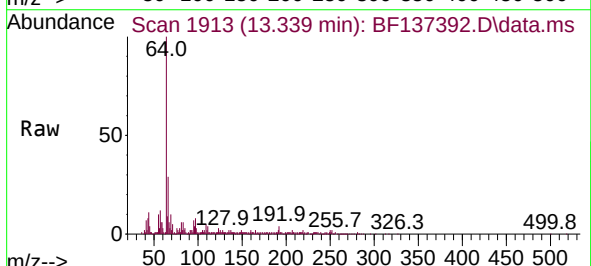
Tgt Ion:149 Resp: 1252

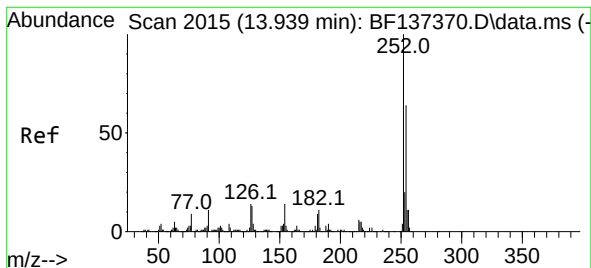
Ion Ratio Lower Upper

149 100

91 84.2 70.5 105.7

206 19.4 14.8 22.2





#82

3,3'-Dichlorobenzidine

Concen: 5.057 ng

RT: 13.927 min Scan# 2018

Delta R.T. -0.012 min

Lab File: BF137392.D

Acq: 26 Feb 2024 18:33

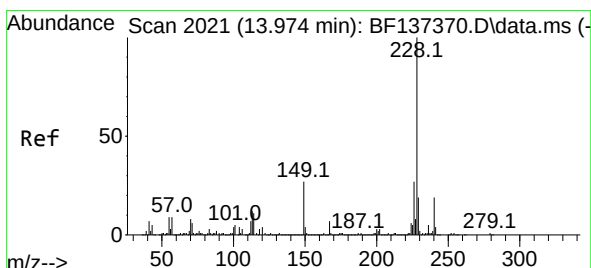
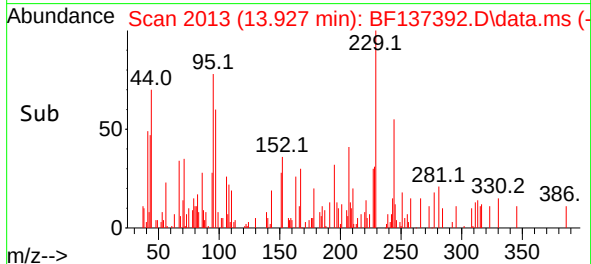
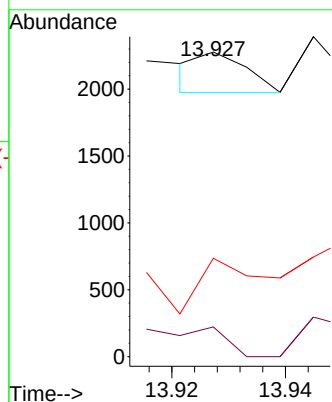
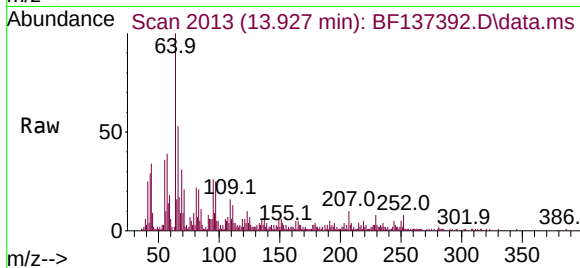
Instrument :

BNA_F

ClientSampleId :

20241104-AMENDED-COMPOSITE-35N-N-4-03

Tgt Ion:252	Resp:	172
Ion Ratio	Lower	Upper
252	100	
254	9.7	51.2 76.8#
126	32.3	11.1 16.7#



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.848 ng

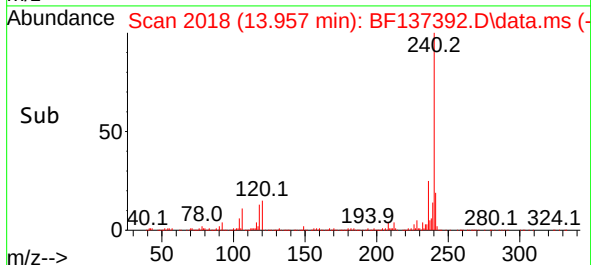
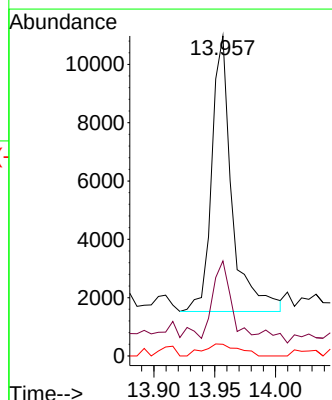
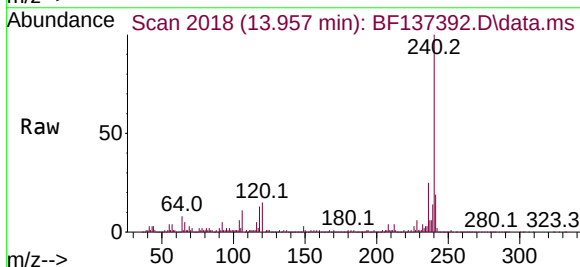
RT: 13.957 min Scan# 2018

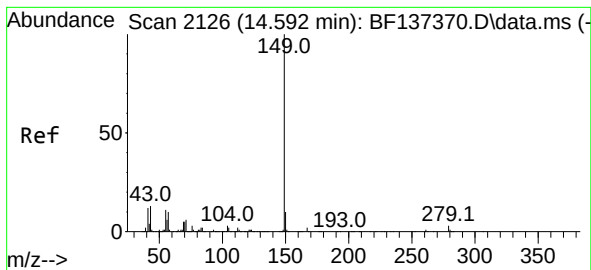
Delta R.T. -0.017 min

Lab File: BF137392.D

Acq: 26 Feb 2024 18:33

Tgt Ion:149	Resp:	10904
Ion Ratio	Lower	Upper
149	100	
167	29.7	20.6 31.0
279	3.6	2.7 4.1





#85

Di-n-octyl phthalate

Concen: 6.100 ng

RT: 14.574 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF137392.D

Acq: 26 Feb 2024 18:33

Instrument :

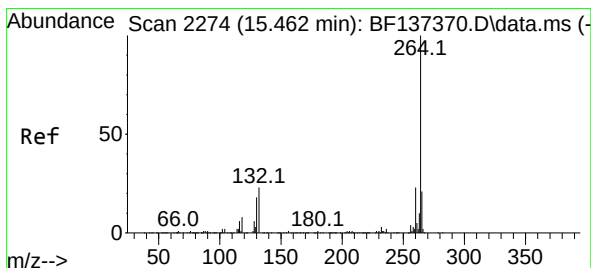
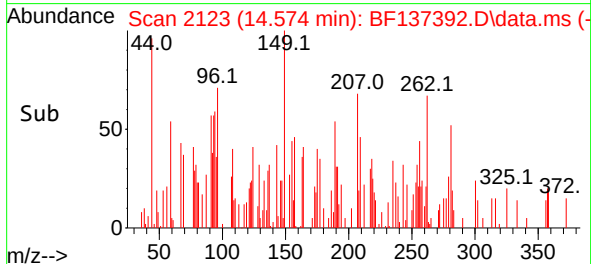
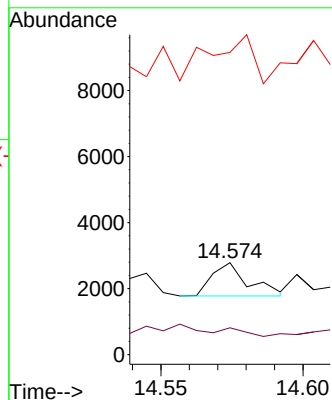
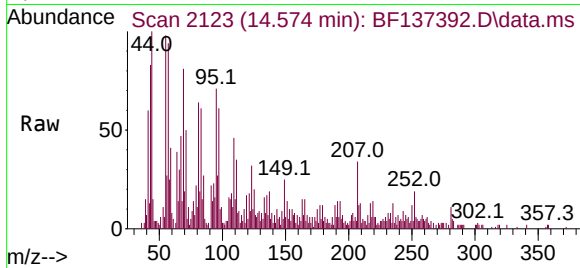
BNA_F

ClientSampleId :

20241104-AMENDED-COMPOSITE-35N-N-4-03

Tgt Ion:149 Resp: 892

Ion	Ratio	Lower	Upper
149	100		
167	0.0	1.2	1.8#
43	180.8	13.7	20.5#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.439 min Scan# 2270

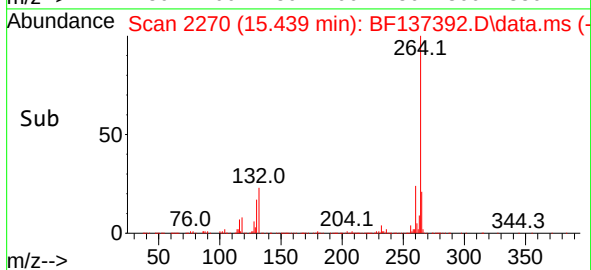
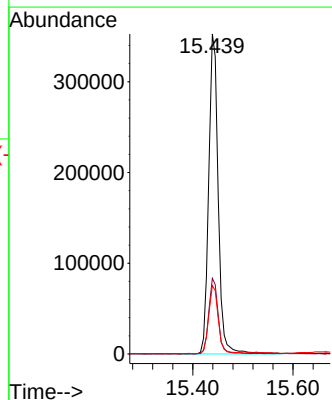
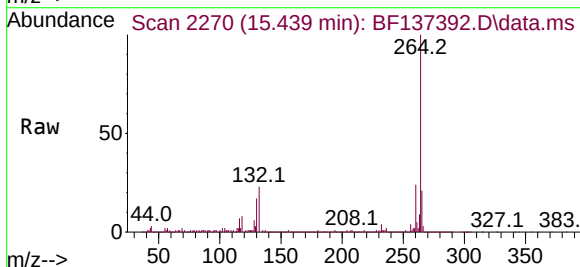
Delta R.T. -0.023 min

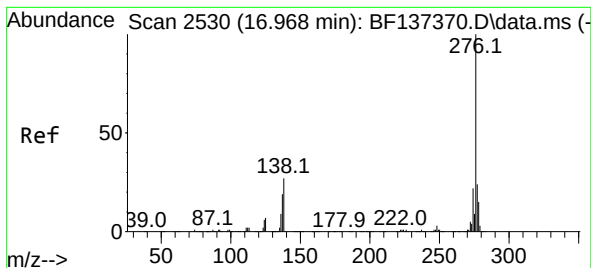
Lab File: BF137392.D

Acq: 26 Feb 2024 18:33

Tgt Ion:264 Resp: 465634

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.5	27.7
265	21.3	16.9	25.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.330 ng

RT: 16.933 min Scan# 2197

Delta R.T. -0.035 min

Lab File: BF137392.D

Acq: 26 Feb 2024 18:33

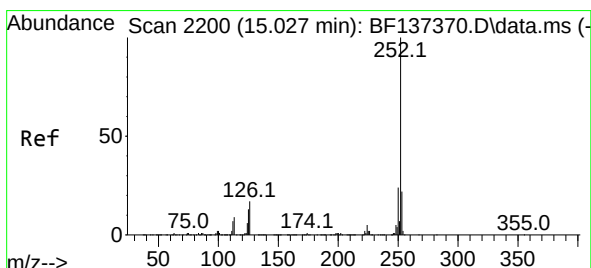
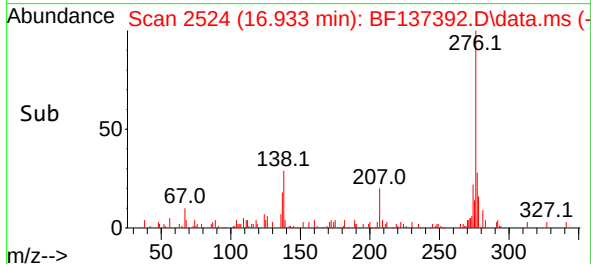
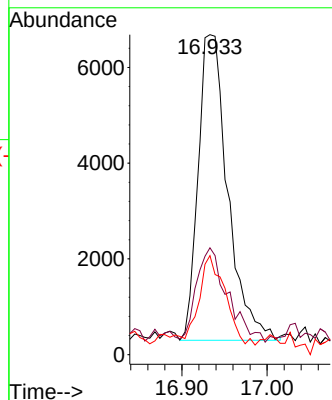
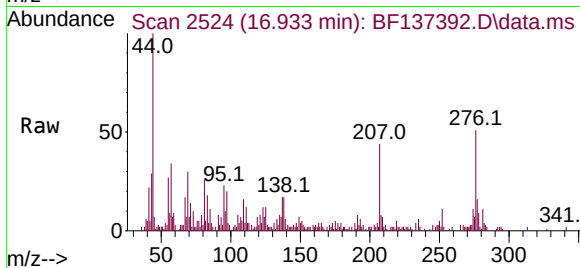
Instrument :

BNA_F

ClientSampleId :

20241104-AMENDED-COMPOSITE-35N-N-4-03

Tgt Ion:276	Resp:	15395
Ion Ratio	Lower	Upper
276	100	
138	32.6	25.8 38.8
277	25.6	19.6 29.4



#88

Benzo(b)fluoranthene

Concen: 2.211 ng

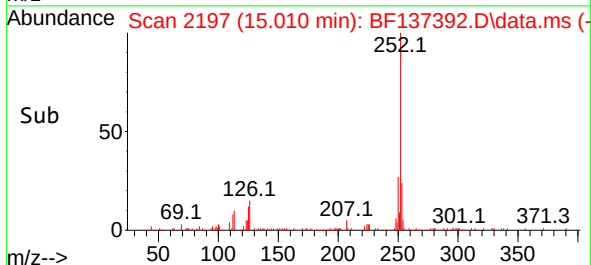
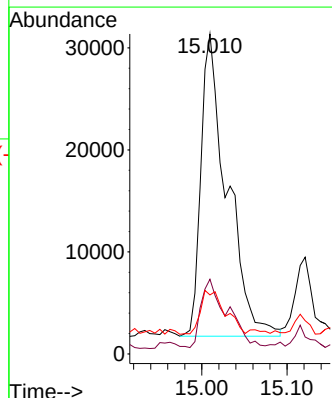
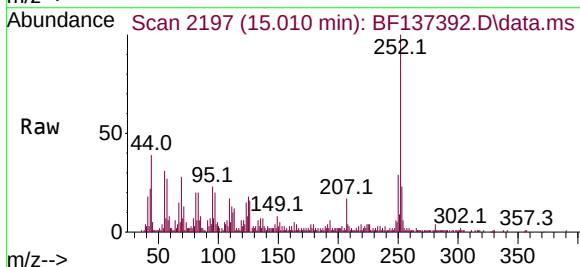
RT: 15.010 min Scan# 2197

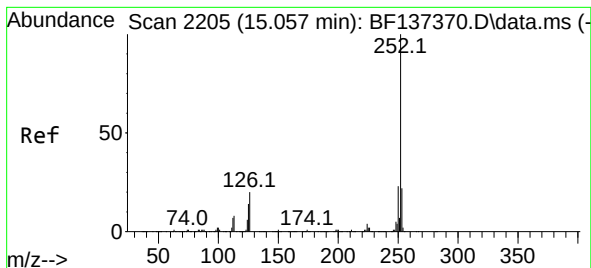
Delta R.T. -0.018 min

Lab File: BF137392.D

Acq: 26 Feb 2024 18:33

Tgt Ion:252	Resp:	63150
Ion Ratio	Lower	Upper
252	100	
253	23.4	17.4 26.2
125	18.5	10.2 15.2#





#89

Benzo(k)fluoranthene

Concen: 2.109 ng

RT: 15.010 min Scan# 2197

Delta R.T. -0.047 min

Lab File: BF137392.D

Acq: 26 Feb 2024 18:33

Instrument :

BNA_F

ClientSampleId :

20241104-AMENDED-COMPOSITE-35N-N-4-03

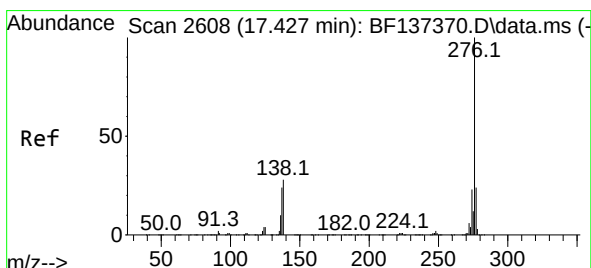
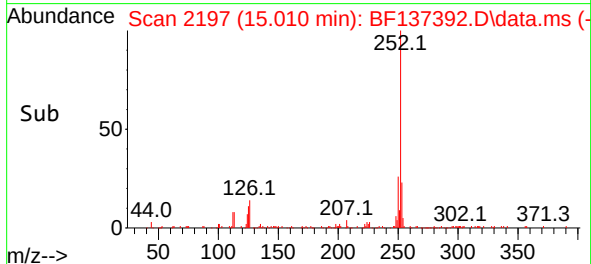
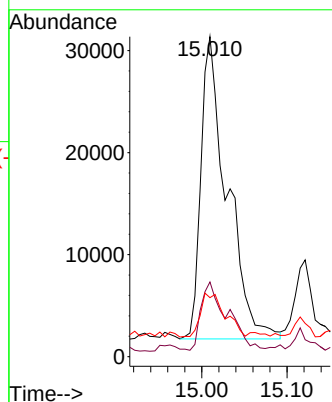
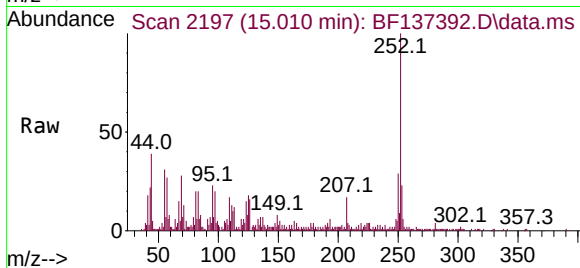
Tgt Ion:252 Resp: 63150

Ion Ratio Lower Upper

252 100

253 23.4 17.3 25.9

125 18.5 10.7 16.1#



#92

Benzo(g,h,i)perylene

Concen: 2.645 ng

RT: 17.380 min Scan# 2600

Delta R.T. -0.047 min

Lab File: BF137392.D

Acq: 26 Feb 2024 18:33

Tgt Ion:276 Resp: 16426

Ion Ratio Lower Upper

276 100

277 26.6 19.0 28.4

138 32.8 22.6 33.8

