

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022724\
 Data File : BF137414.D
 Acq On : 27 Feb 2024 19:42
 Operator : CG\JU
 Sample : P1539-05
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 20241106-AMENDED-COMPOSITE-35N-N-4-05

Quant Time: Feb 28 05:23:31 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	226245	20.000	ng	-0.02
21) Naphthalene-d8	8.063	136	880823	20.000	ng	-0.02
39) Acenaphthene-d10	9.816	164	479849	20.000	ng	-0.02
64) Phenanthrene-d10	11.310	188	729739	20.000	ng	-0.02
76) Chrysene-d12	13.962	240	441076	20.000	ng	-0.02
86) Perylene-d12	15.445	264	457879	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	899894	61.374	ng	-0.01
7) Phenol-d6	6.416	99	784530	36.374	ng	-0.02
23) Nitrobenzene-d5	7.345	82	1493894	84.673	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	511620	122.440	ng	-0.01
45) 2-Fluorobiphenyl	9.139	172	2448978	79.456	ng	-0.02
79) Terphenyl-d14	12.910	244	2492652	79.044	ng	-0.02
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.269	42	1124	5.237	ng	# 1
19) n-Nitroso-di-n-propyla...	7.345	70	200253	15.067	ng	# 83
25) Isophorone	7.345	82	1490153	40.842	ng	# 69
26) 2-Nitrophenol	7.592	139	254	2.937	ng	# 1
32) Benzoic acid	7.822	122	7559	7.738	ng	# 98
48) 2-Nitroaniline	9.445	65	194	4.265	ng	# 70
50) Dimethylphthalate	9.816	163	76825	2.317	ng	# 1
51) 2,6-Dinitrotoluene	9.816	165	62295	10.099	ng	# 26
53) 3-Nitroaniline	9.774	138	121	2.376	ng	# 41
56) 4-Nitrophenol	9.951	139	672	4.959	ng	# 1
57) 2,4-Dinitrotoluene	9.816	165	62295	8.874	ng	# 18
65) 4,6-Dinitro-2-methylph...	10.610	198	1278	4.830	ng	# 1
67) 4-Bromophenyl-phenylether	10.610	248	36123	4.605	ng	# 1
77) Benzidine	12.910	184	30590	10.409	ng	# 94
80) Butylbenzylphthalate	13.380	149	198	4.022	ng	# 78
82) 3,3'-Dichlorobenzidine	13.904	252	239	5.063	ng	# 27
84) Bis(2-ethylhexyl)phtha...	13.957	149	1340	4.282	ng	# 93
85) Di-n-octyl phthalate	14.580	149	285	6.025	ng	# 59
92) Benzo(g,h,i)perylene	17.403	276	58	2.071	ng	# 49

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

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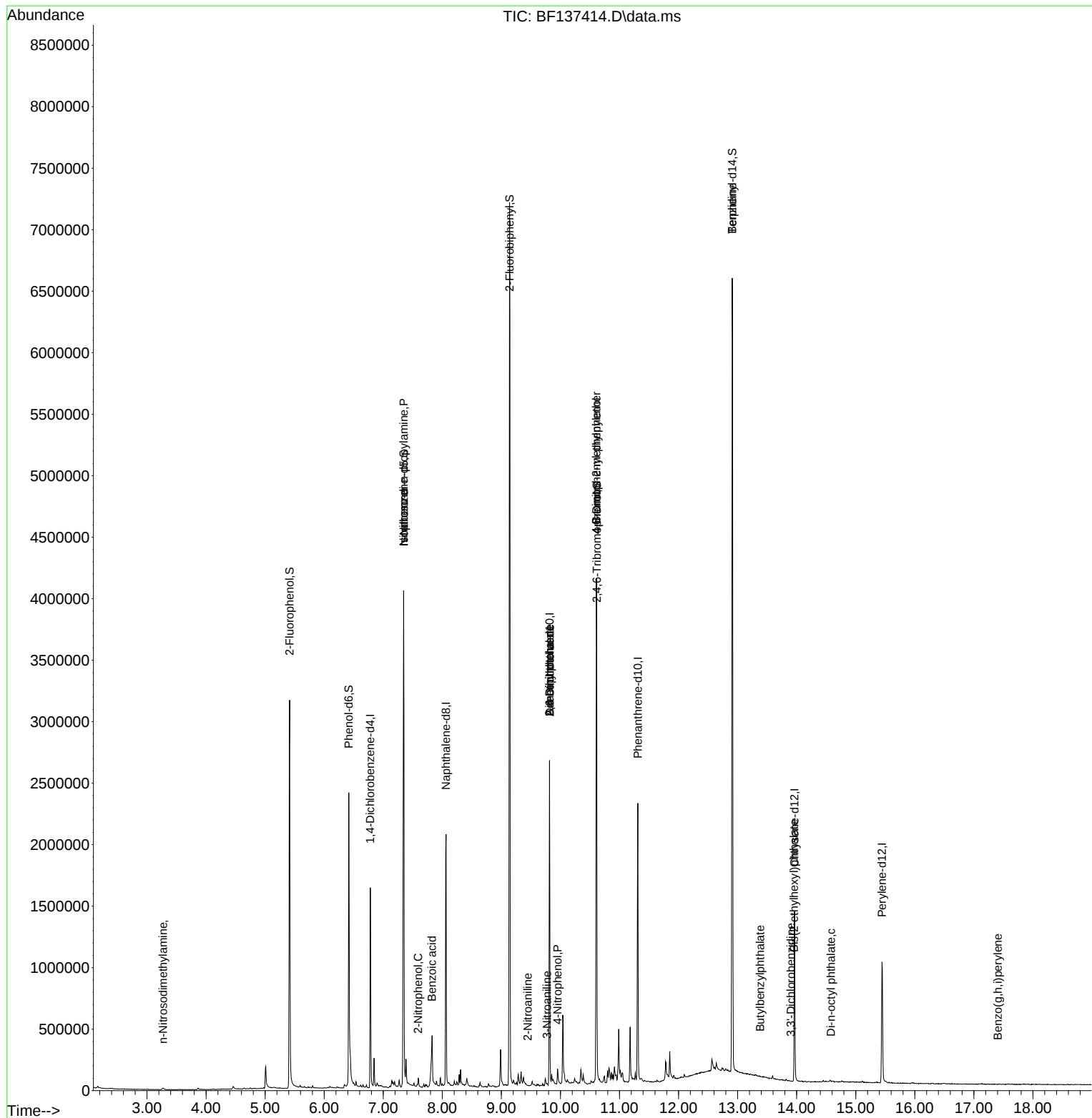
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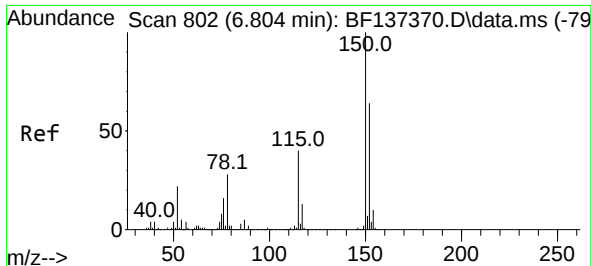
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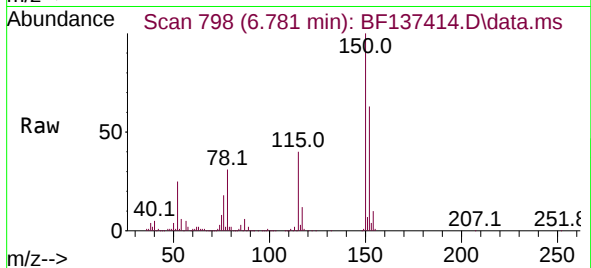
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.023 min
Lab File: BF137414.D
Acq: 27 Feb 2024 19:42

Instrument :

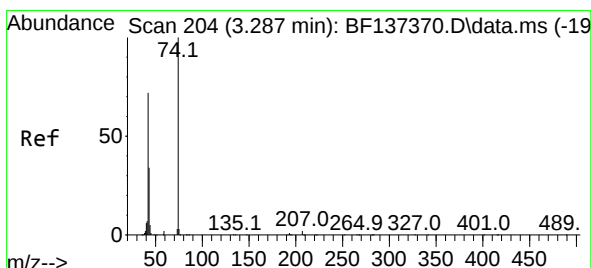
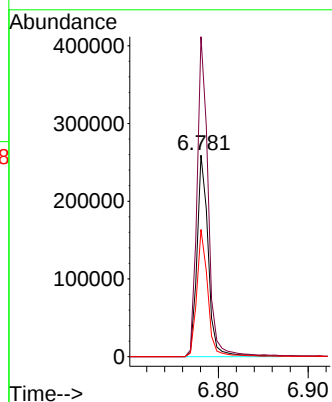
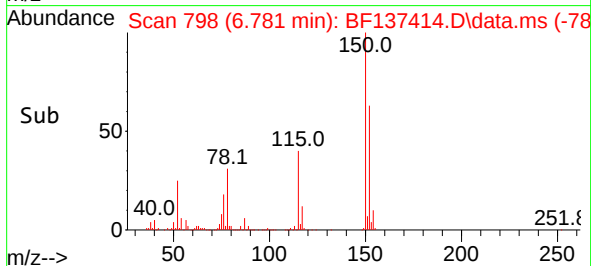
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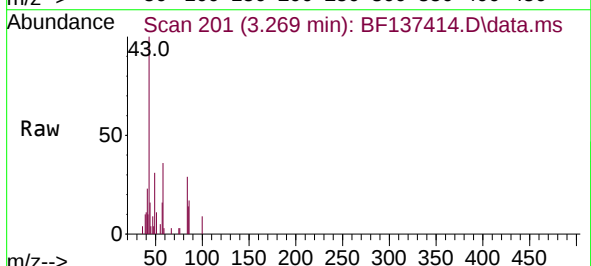
20241106-AMENDED-COMPOSITE-35N-N-4-05



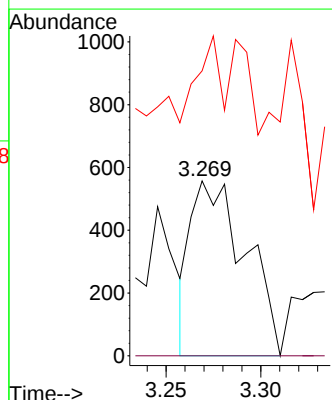
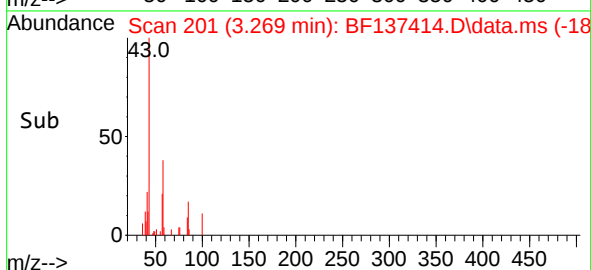
Tgt Ion:152 Resp: 226245
Ion Ratio Lower Upper
152 100
150 158.8 125.7 188.5
115 63.1 49.8 74.8

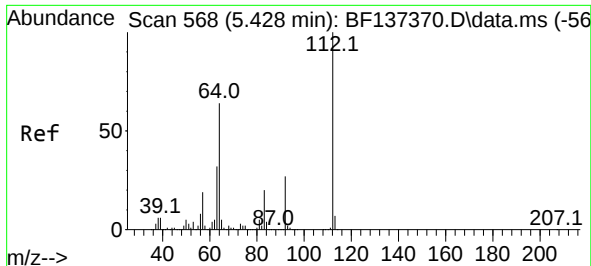


#4
n-Nitrosodimethylamine
Concen: 5.237 ng
RT: 3.269 min Scan# 201
Delta R.T. -0.018 min
Lab File: BF137414.D
Acq: 27 Feb 2024 19:42



Tgt Ion: 42 Resp: 1124
Ion Ratio Lower Upper
42 100
74 0.0 110.8 166.2#
44 163.0 6.0 9.0#





#5
2-Fluorophenol
Concen: 61.374 ng
RT: 5.416 min Scan# 501
Delta R.T. -0.012 min
Lab File: BF137414.D
Acq: 27 Feb 2024 19:42

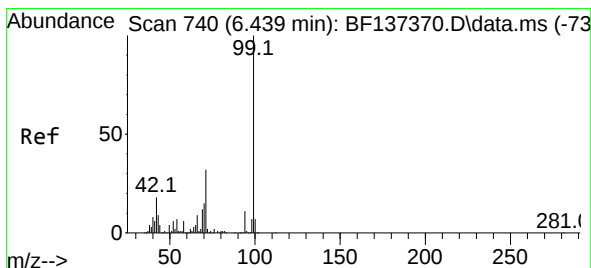
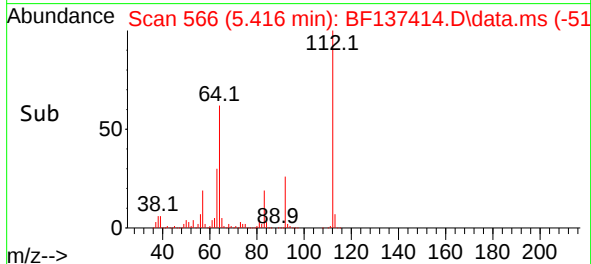
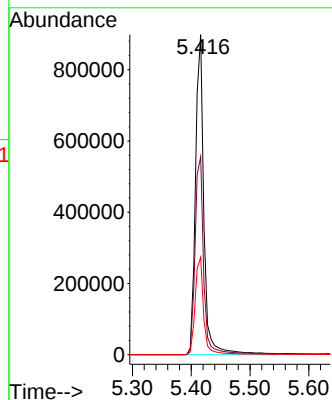
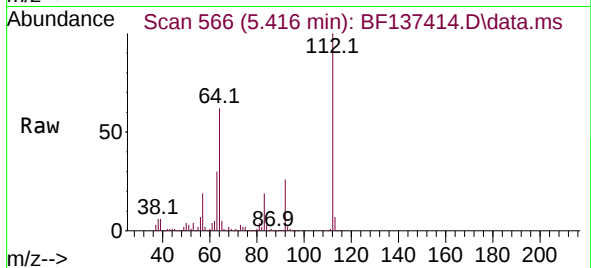
Instrument :

BNA_F

ClientSampleId :

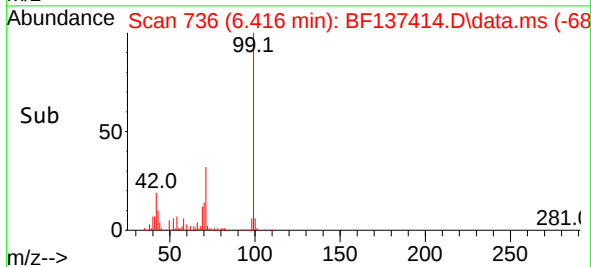
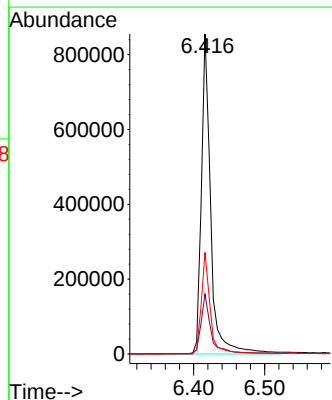
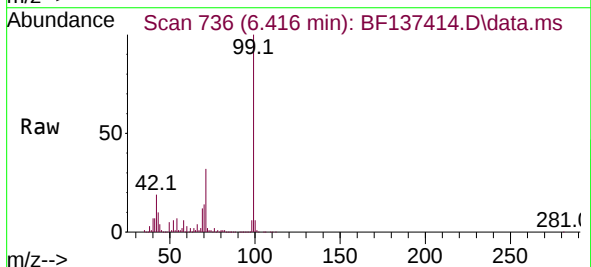
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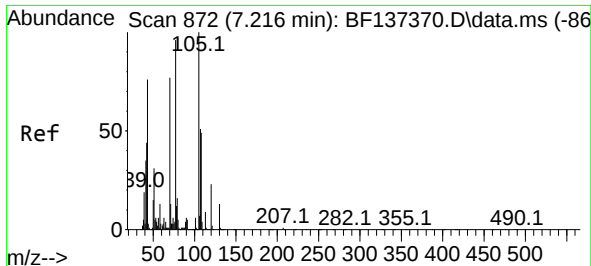
Tgt Ion:112 Resp: 899894
Ion Ratio Lower Upper
112 100
64 61.8 51.0 76.6
63 30.4 25.7 38.5



#7
Phenol-d6
Concen: 36.374 ng
RT: 6.416 min Scan# 736
Delta R.T. -0.024 min
Lab File: BF137414.D
Acq: 27 Feb 2024 19:42

Tgt Ion: 99 Resp: 784530
Ion Ratio Lower Upper
99 100
42 18.7 14.2 21.4
71 31.7 25.2 37.8





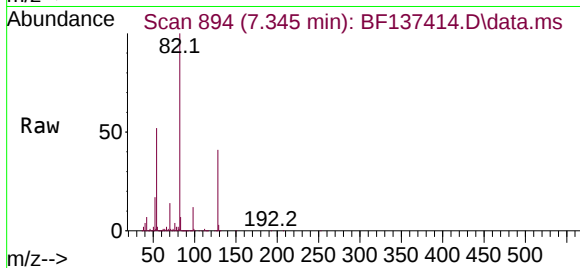
#19
n-Nitroso-di-n-propylamine
Concen: 15.067 ng
RT: 7.345 min Scan# 894
Delta R.T. 0.129 min
Lab File: BF137414.D
Acq: 27 Feb 2024 19:42

Instrument :

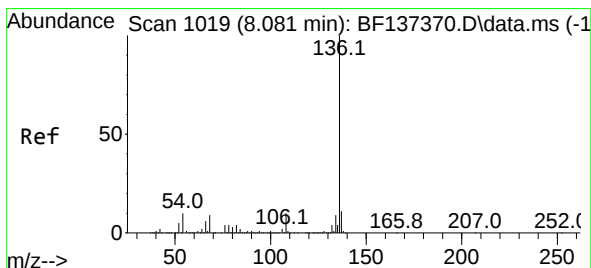
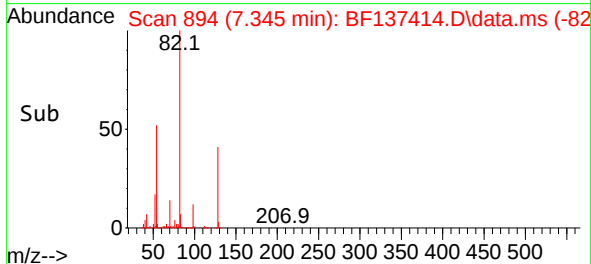
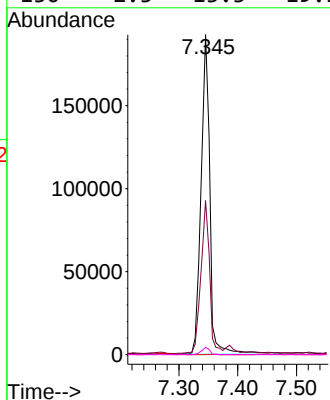
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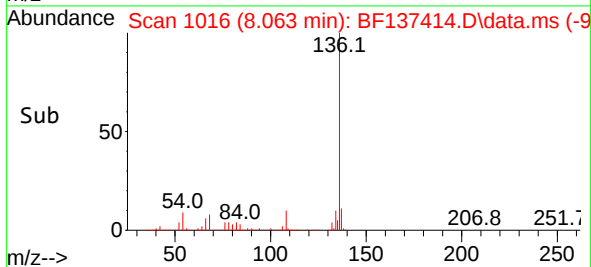
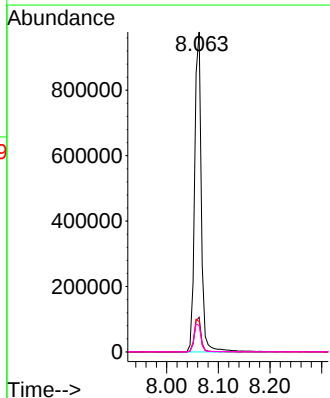
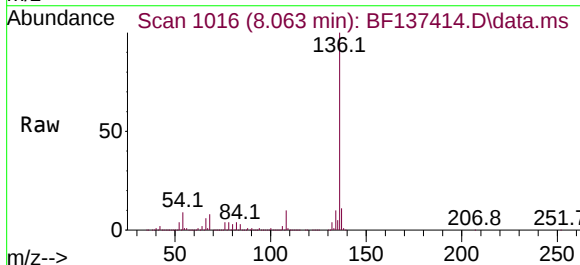


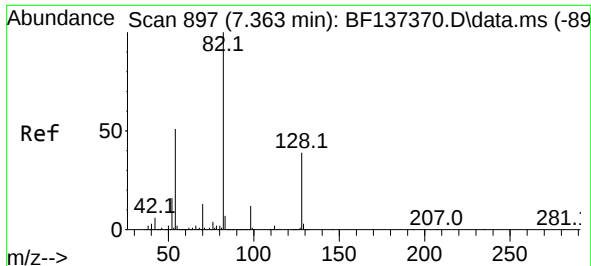
Tgt Ion:	70	Resp:	200253
Ion	Ratio	Lower	Upper
70	100		
42	48.2	45.3	67.9
101	0.0	6.5	9.7#
130	2.3	13.3	19.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1016
Delta R.T. -0.018 min
Lab File: BF137414.D
Acq: 27 Feb 2024 19:42

Tgt Ion:	136	Resp:	880823
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.0	13.4
54	9.5	7.8	11.6
68	8.3	7.0	10.4





#23

Nitrobenzene-d5

Concen: 84.673 ng

RT: 7.345 min Scan# 894

Delta R.T. -0.018 min

Lab File: BF137414.D

Acq: 27 Feb 2024 19:42

Instrument :

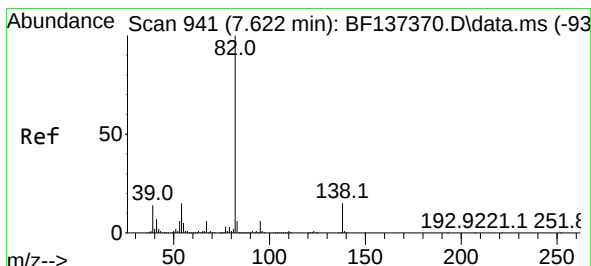
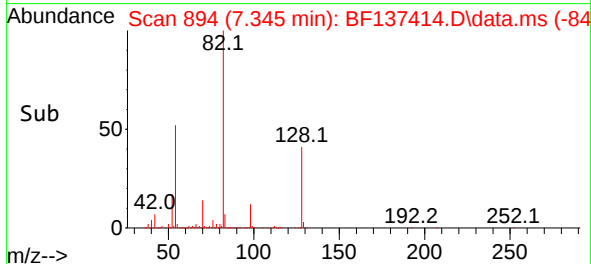
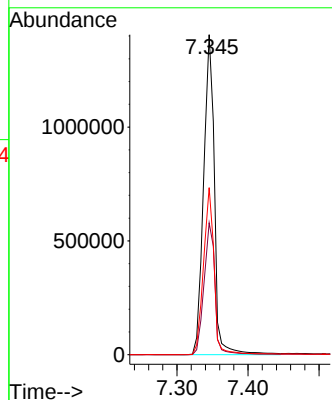
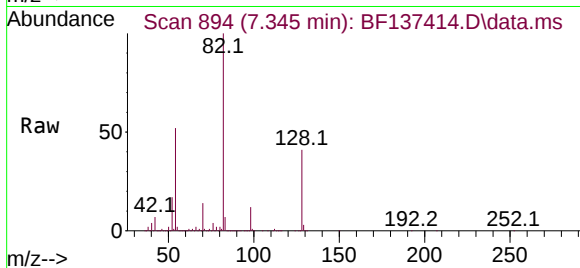
BNA_F

ClientSampleId :

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Tgt Ion: 82 Resp: 1493894

Ion	Ratio	Lower	Upper
82	100		
128	41.2	30.8	46.2
54	52.2	40.8	61.2



#25

Isophorone

Concen: 40.842 ng

RT: 7.345 min Scan# 894

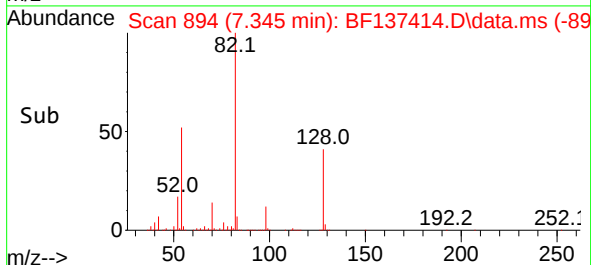
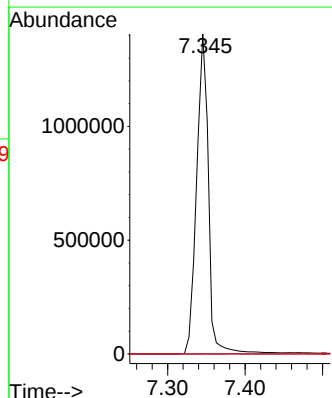
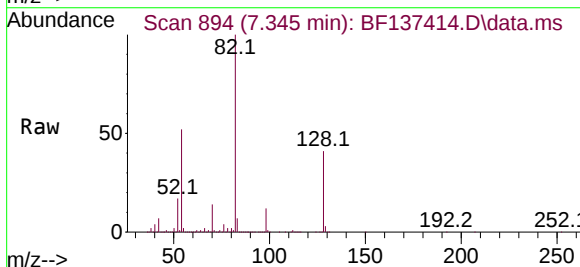
Delta R.T. -0.277 min

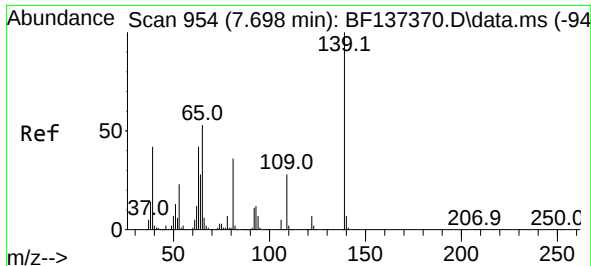
Lab File: BF137414.D

Acq: 27 Feb 2024 19:42

Tgt Ion: 82 Resp: 1490153

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





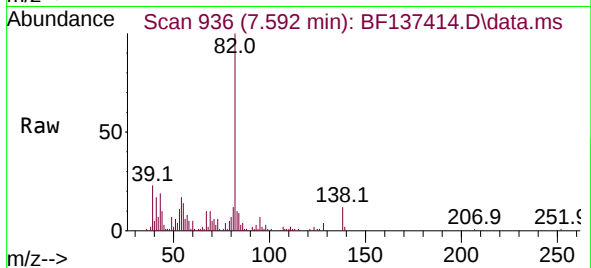
#26
2-Nitrophenol
Concen: 2.937 ng
RT: 7.592 min Scan# 911
Delta R.T. -0.106 min
Lab File: BF137414.D
Acq: 27 Feb 2024 19:42

Instrument :

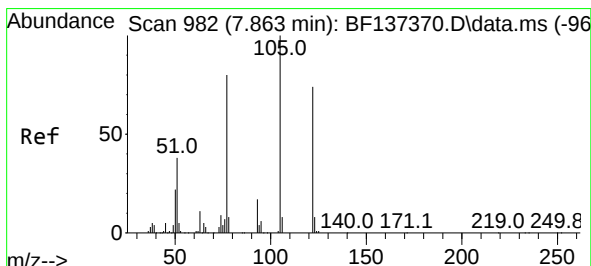
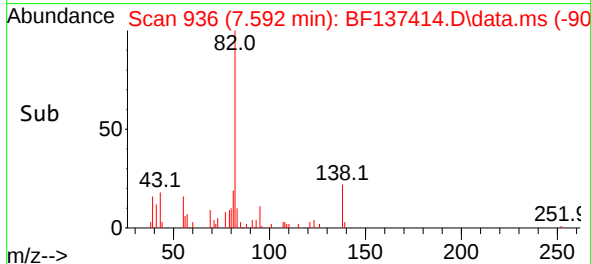
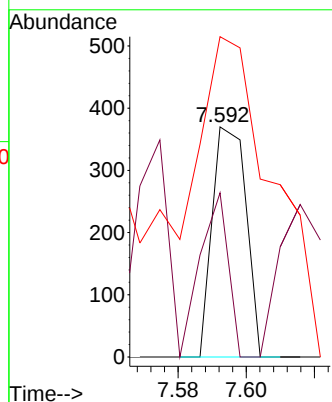
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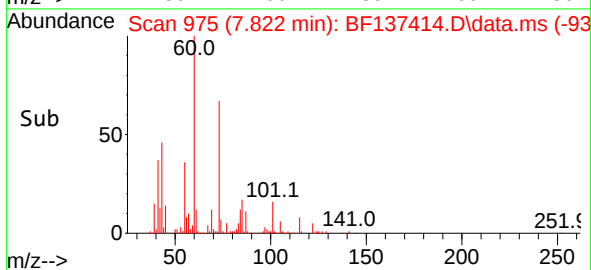
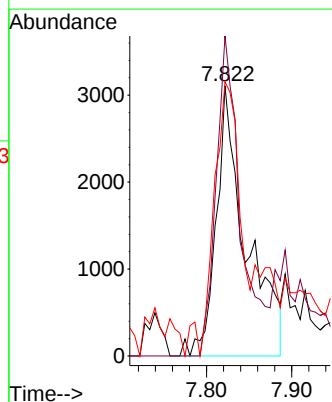
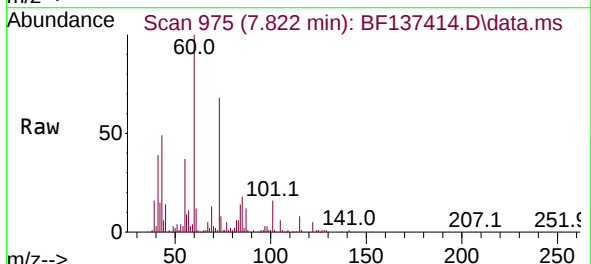


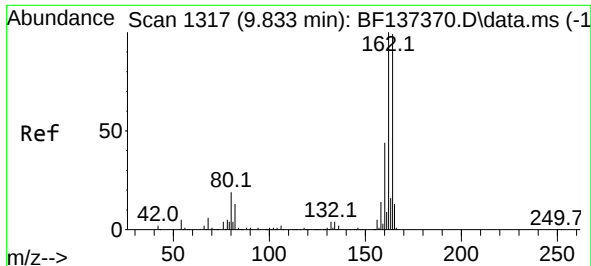
Tgt Ion:139 Resp: 254
Ion Ratio Lower Upper
139 100
109 71.4 22.5 33.7#
65 139.2 42.3 63.5#



#32
Benzoic acid
Concen: 7.738 ng
RT: 7.822 min Scan# 975
Delta R.T. -0.041 min
Lab File: BF137414.D
Acq: 27 Feb 2024 19:42

Tgt Ion:122 Resp: 7559
Ion Ratio Lower Upper
122 100
105 118.4 101.1 141.1
77 101.5 82.8 122.8





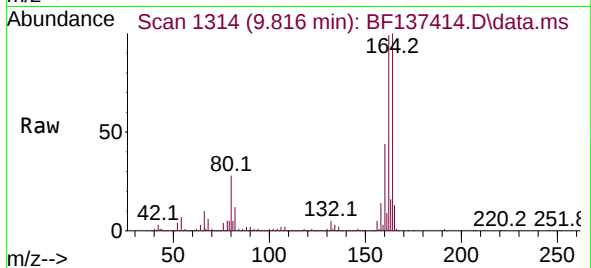
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF137414.D
Acq: 27 Feb 2024 19:42

Instrument :

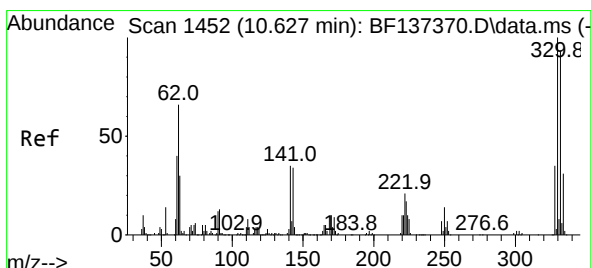
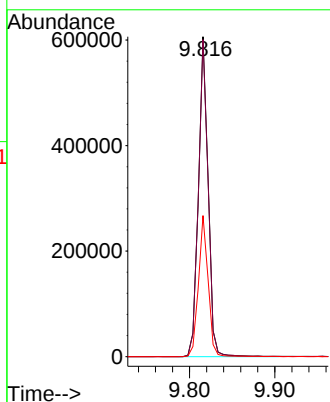
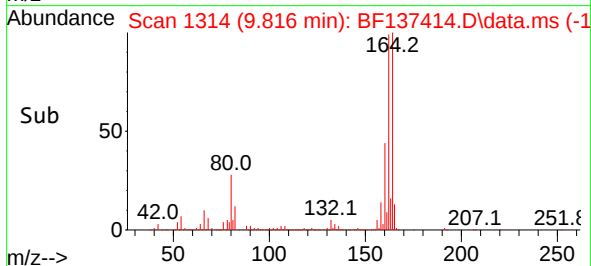
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ClientSampleId :

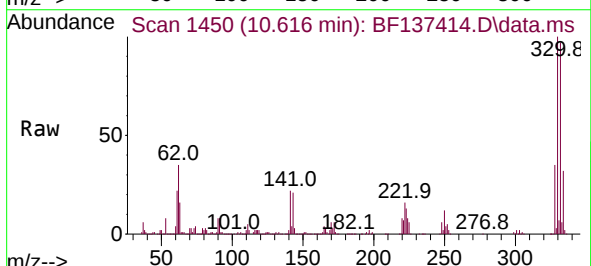
20241106-AMENDED-COMPOSITE-35N-N-4-05



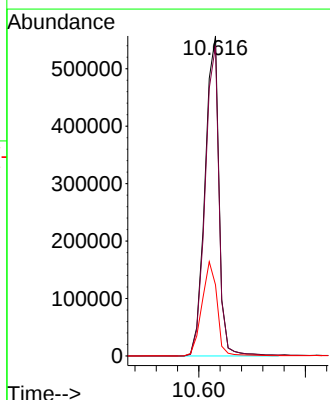
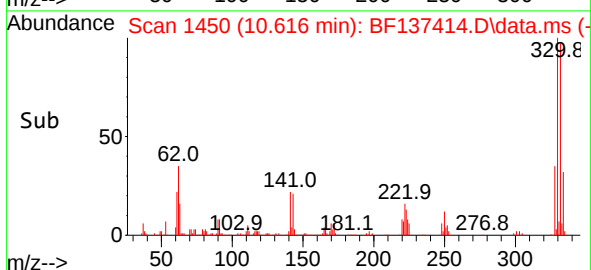
Tgt Ion:164 Resp: 479849
Ion Ratio Lower Upper
164 100
162 99.1 81.2 121.8
160 44.1 35.7 53.5

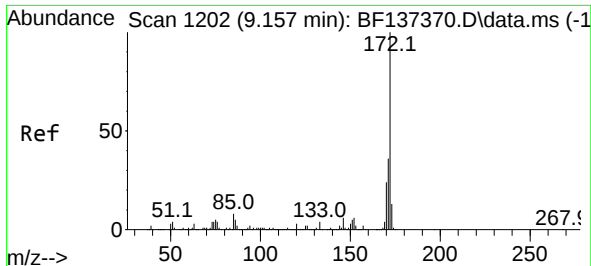


#42
2,4,6-Tribromophenol
Concen: 122.440 ng
RT: 10.616 min Scan# 1450
Delta R.T. -0.012 min
Lab File: BF137414.D
Acq: 27 Feb 2024 19:42



Tgt Ion:330 Resp: 511620
Ion Ratio Lower Upper
330 100
332 96.6 75.6 113.4
141 31.9 28.6 42.8





#45
2-Fluorobiphenyl
Concen: 79.456 ng
RT: 9.139 min Scan# 1199
Delta R.T. -0.018 min
Lab File: BF137414.D
Acq: 27 Feb 2024 19:42

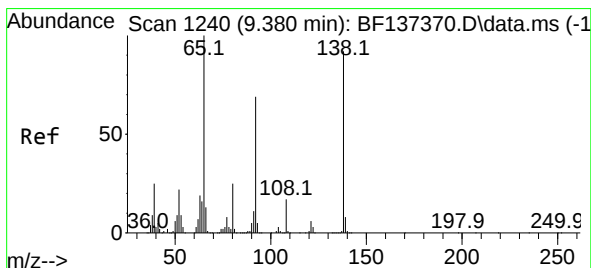
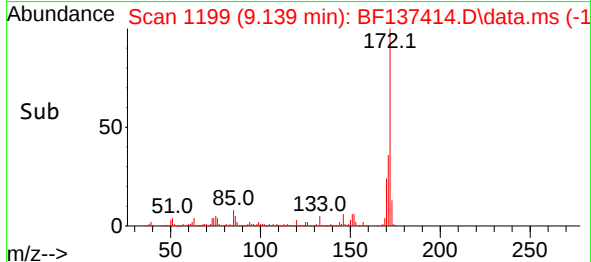
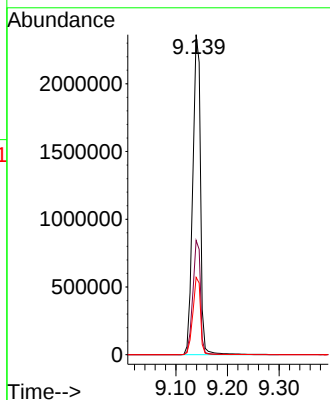
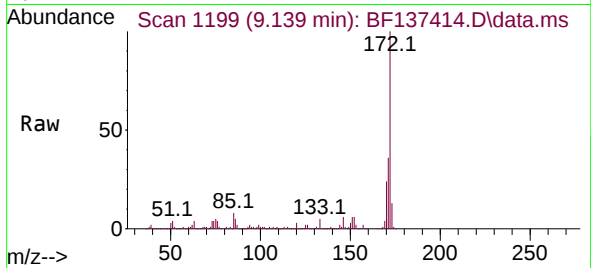
Instrument :

BNA_F

ClientSampleId :

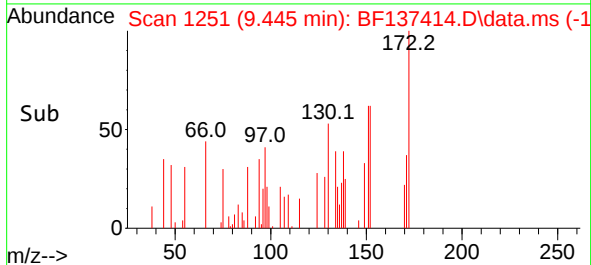
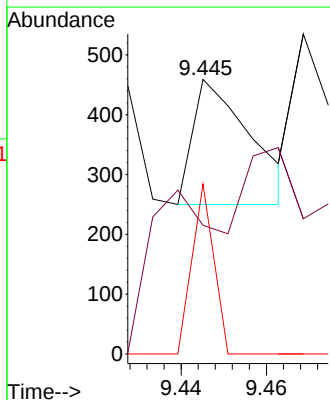
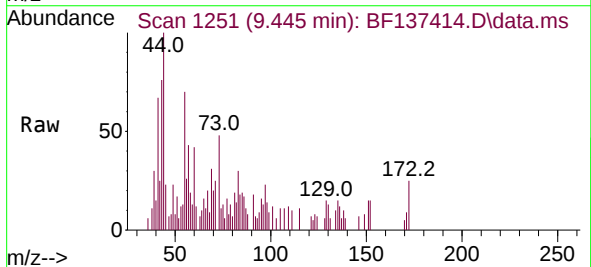
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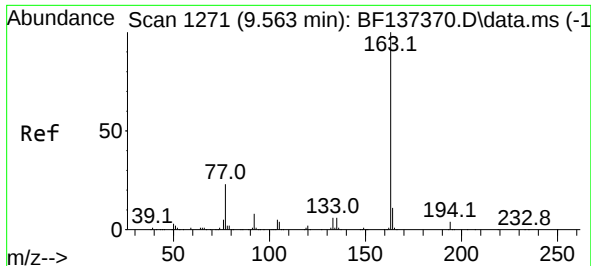
Tgt Ion:172 Resp: 2448978
Ion Ratio Lower Upper
172 100
171 35.7 28.7 43.1
170 24.2 19.5 29.3



#48
2-Nitroaniline
Concen: 4.265 ng
RT: 9.445 min Scan# 1251
Delta R.T. 0.065 min
Lab File: BF137414.D
Acq: 27 Feb 2024 19:42

Tgt Ion: 65 Resp: 194
Ion Ratio Lower Upper
65 100
92 46.8 55.0 82.6#
138 61.9 73.7 110.5#





#50
Dimethylphthalate
Concen: 2.317 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.253 min
Lab File: BF137414.D
Acq: 27 Feb 2024 19:42

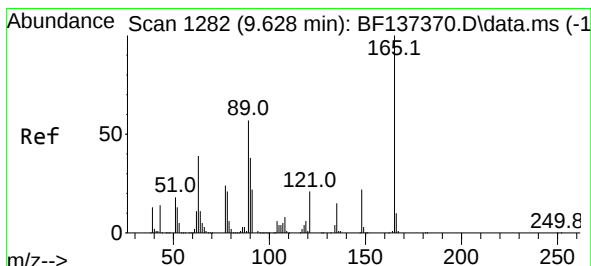
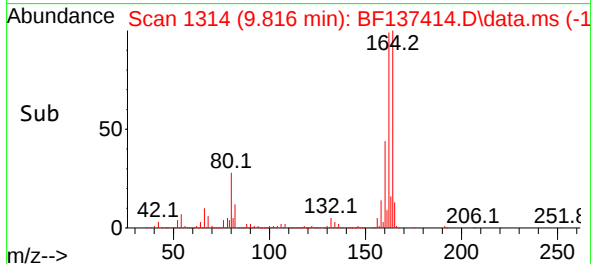
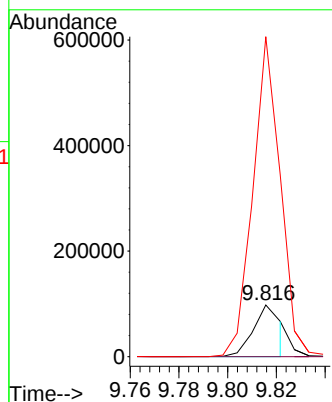
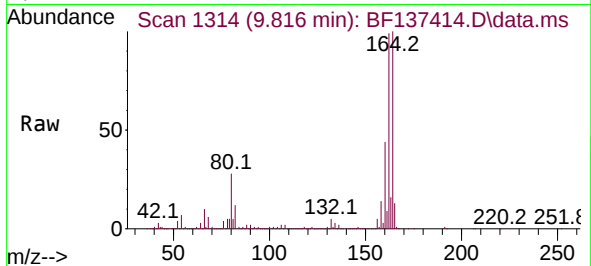
Instrument :

BNA_F

ClientSampleId :

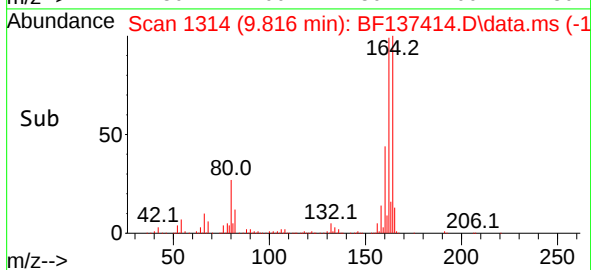
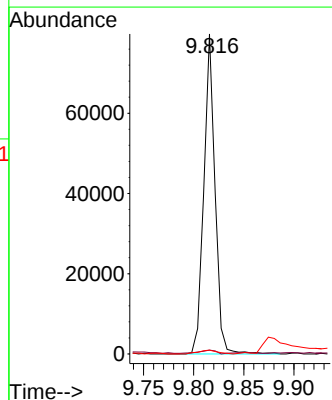
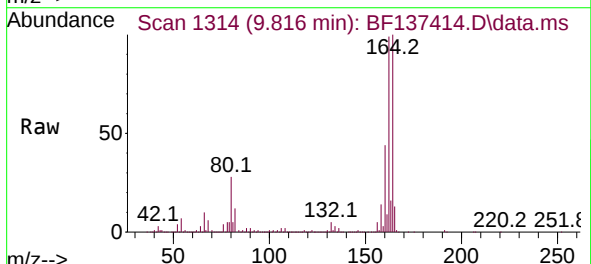
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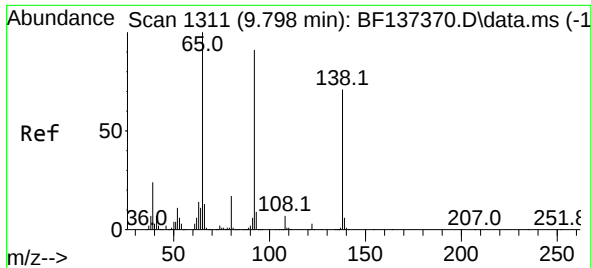
Tgt Ion:163 Resp: 76825
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.4#
164 618.2 8.5 12.7#



#51
2,6-Dinitrotoluene
Concen: 10.099 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.188 min
Lab File: BF137414.D
Acq: 27 Feb 2024 19:42

Tgt Ion:165 Resp: 62295
Ion Ratio Lower Upper
165 100
63 1.2 41.6 62.4#
89 1.2 45.8 68.6#





#53
3-Nitroaniline
Concen: 2.376 ng
RT: 9.774 min Scan# 11
Delta R.T. -0.024 min
Lab File: BF137414.D
Acq: 27 Feb 2024 19:42

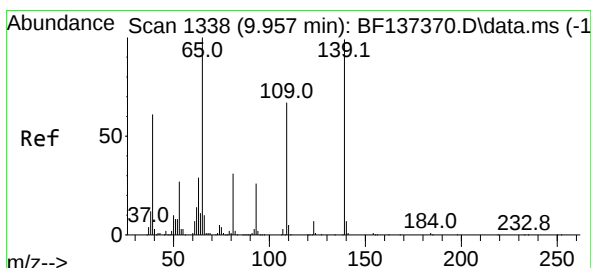
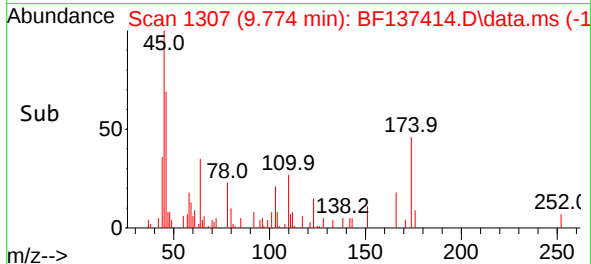
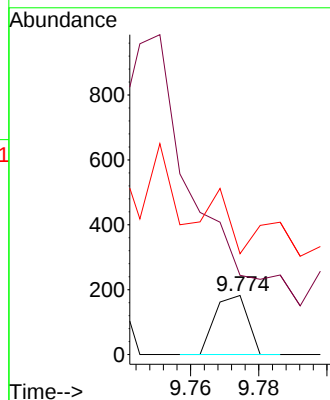
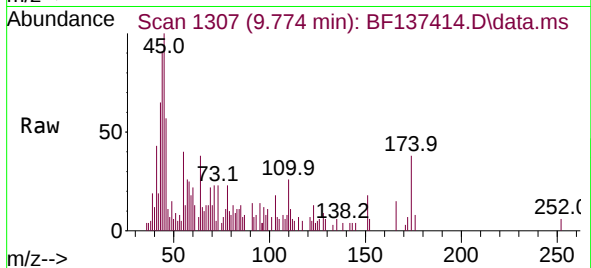
Instrument :

BNA_F

ClientSampleId :

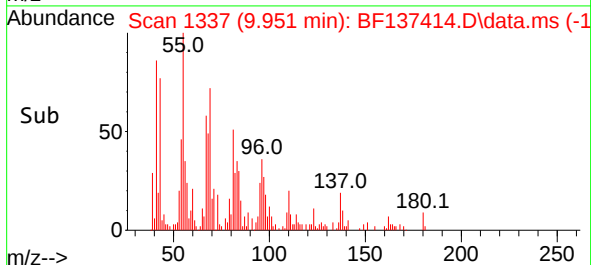
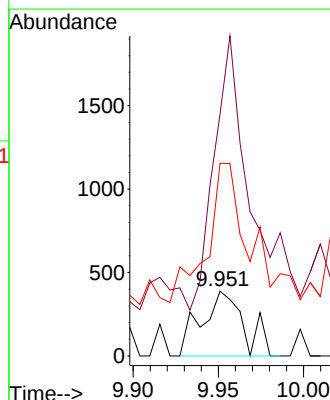
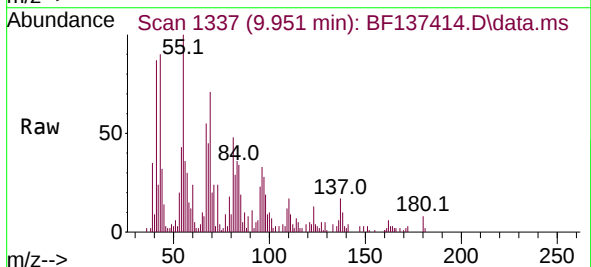
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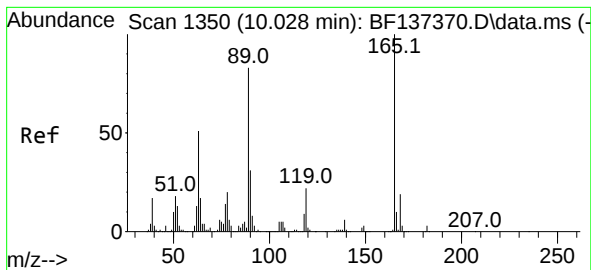
Tgt Ion:138 Resp: 121
Ion Ratio Lower Upper
138 100
108 134.1 8.2 12.2#
92 170.9 102.2 153.2#



#56
4-Nitrophenol
Concen: 4.959 ng
RT: 9.951 min Scan# 1337
Delta R.T. -0.006 min
Lab File: BF137414.D
Acq: 27 Feb 2024 19:42

Tgt Ion:139 Resp: 672
Ion Ratio Lower Upper
139 100
109 373.5 48.0 88.0#
65 297.7 82.2 122.2#

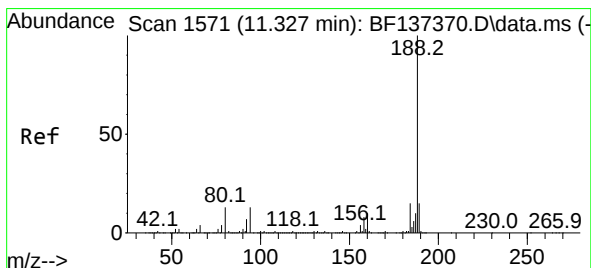
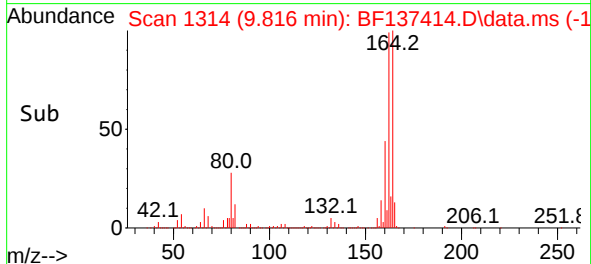
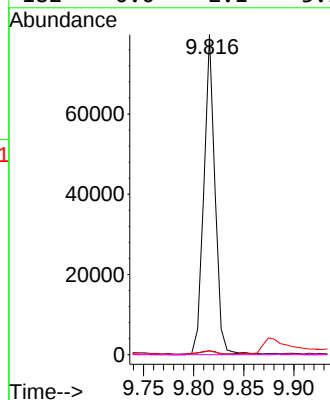
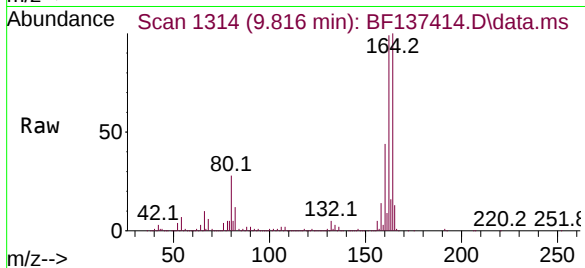




#57
2,4-Dinitrotoluene
Concen: 8.874 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.212 min
Lab File: BF137414.D
Acq: 27 Feb 2024 19:42

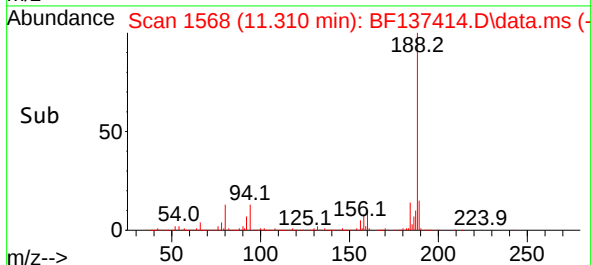
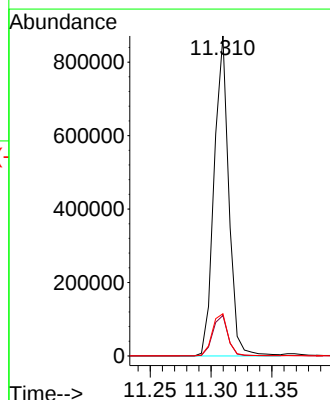
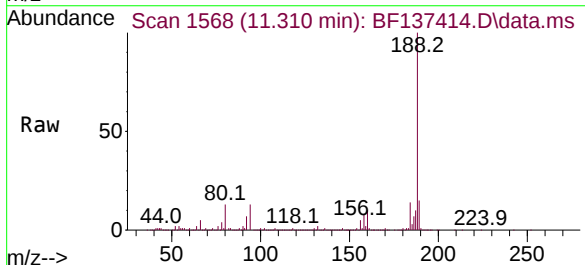
Instrument :
BNA_F
ClientSampleId :
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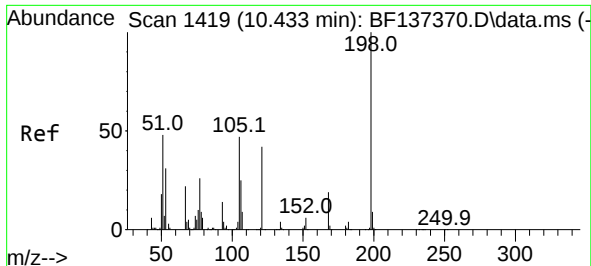
Tgt Ion:165 Resp: 62295
Ion Ratio Lower Upper
165 100
63 1.2 41.1 61.7#
89 1.2 66.6 100.0#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.018 min
Lab File: BF137414.D
Acq: 27 Feb 2024 19:42

Tgt Ion:188 Resp: 729739
Ion Ratio Lower Upper
188 100
94 12.7 10.2 15.2
80 13.2 10.7 16.1





#65
4,6-Dinitro-2-methylphenol
Concen: 4.830 ng
RT: 10.610 min Scan# 1419
Delta R.T. 0.177 min
Lab File: BF137414.D
Acq: 27 Feb 2024 19:42

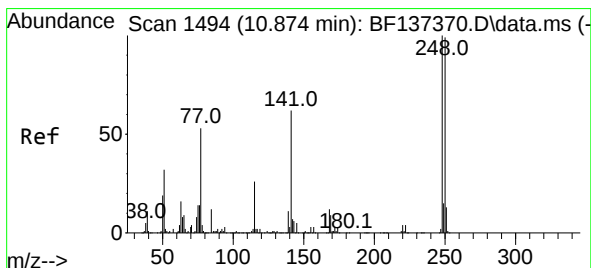
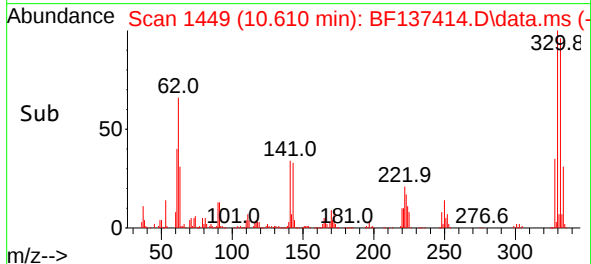
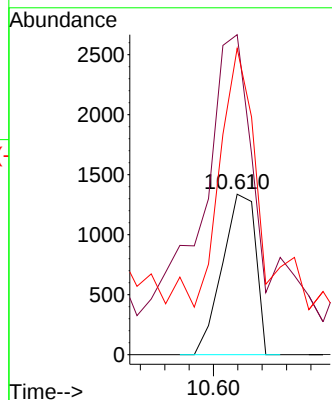
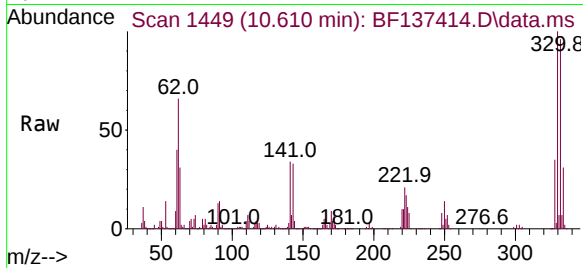
Instrument :

BNA_F

ClientSampleId :

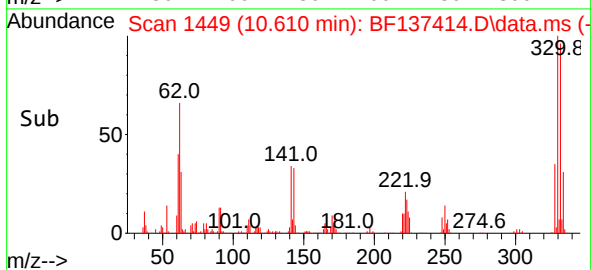
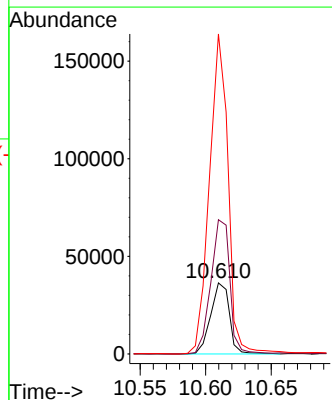
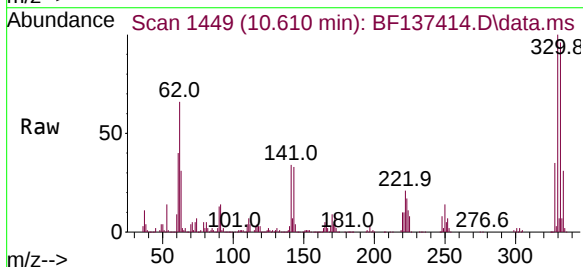
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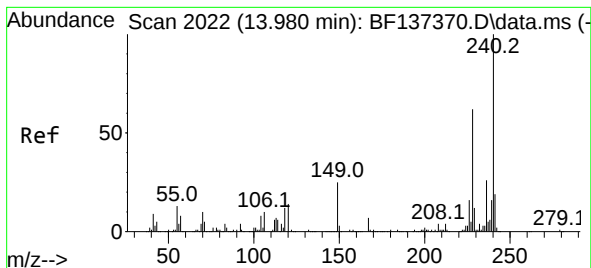
Tgt Ion:198 Resp: 1278
Ion Ratio Lower Upper
198 100
51 199.4 36.8 76.8#
105 190.9 28.5 68.5#



#67
4-Bromophenyl-phenylether
Concen: 4.605 ng
RT: 10.610 min Scan# 1449
Delta R.T. -0.265 min
Lab File: BF137414.D
Acq: 27 Feb 2024 19:42

Tgt Ion:248 Resp: 36123
Ion Ratio Lower Upper
248 100
250 189.2 79.0 118.6#
141 450.8 49.9 74.9#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.962 min Scan# 20

Delta R.T. -0.018 min

Lab File: BF137414.D

Acq: 27 Feb 2024 19:42

Instrument :

BNA_F

ClientSampleId :

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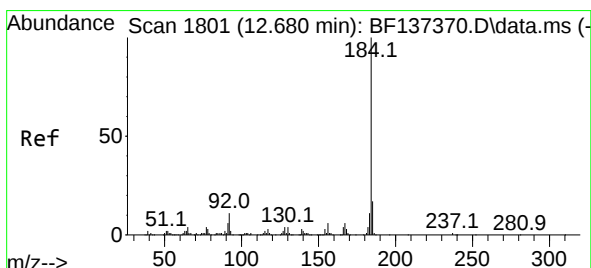
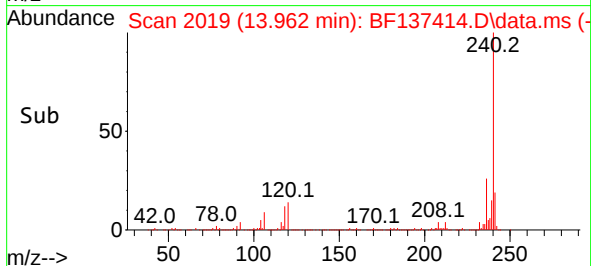
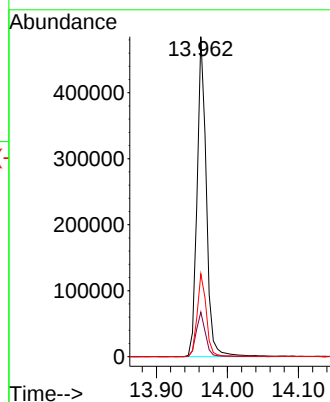
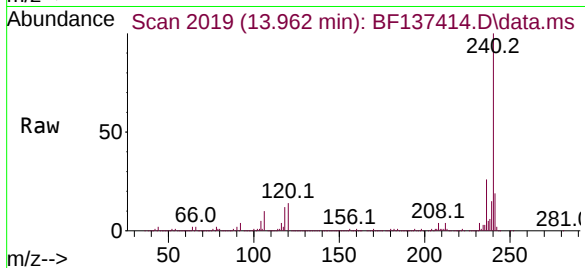
Tgt Ion:240 Resp: 441076

Ion Ratio Lower Upper

240 100

120 14.0 11.3 16.9

236 25.9 20.5 30.7



#77

Benzidine

Concen: 10.409 ng

RT: 12.910 min Scan# 1840

Delta R.T. 0.230 min

Lab File: BF137414.D

Acq: 27 Feb 2024 19:42

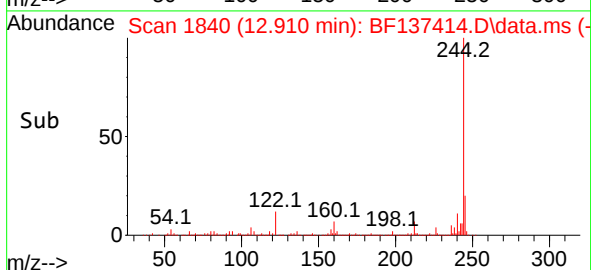
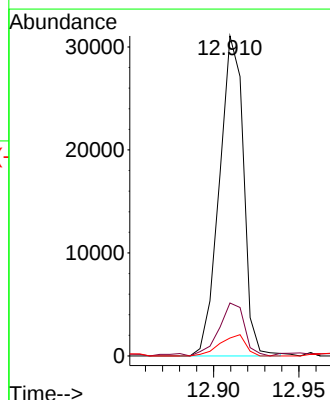
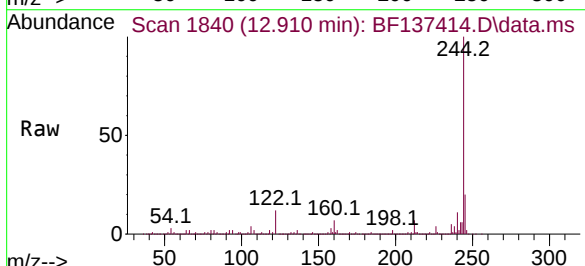
Tgt Ion:184 Resp: 30590

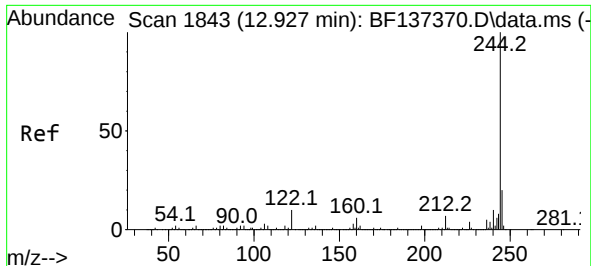
Ion Ratio Lower Upper

184 100

185 16.6 13.7 20.5

183 5.6 8.8 13.2#





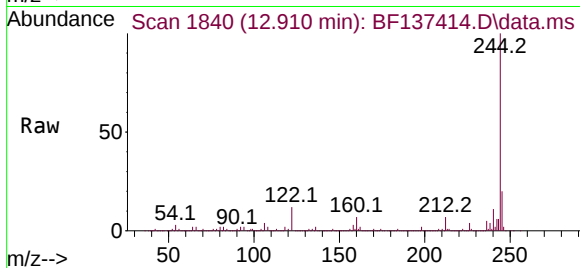
#79
 Terphenyl-d14
 Concen: 79.044 ng
 RT: 12.910 min Scan# 1840
 Delta R.T. -0.018 min
 Lab File: BF137414.D
 Acq: 27 Feb 2024 19:42

Instrument :

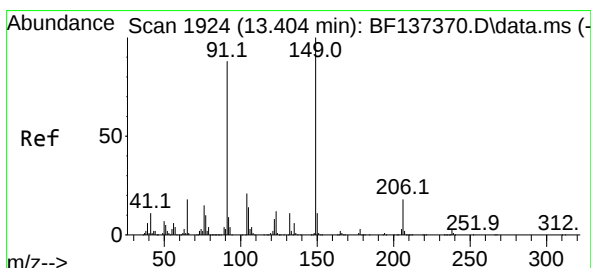
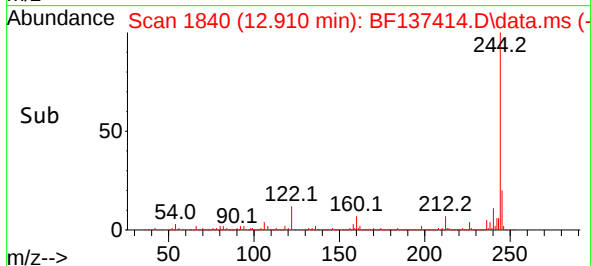
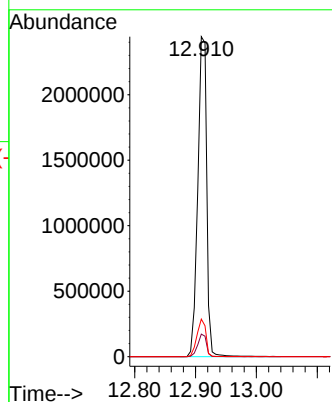
BNA_F

ClientSampleId :

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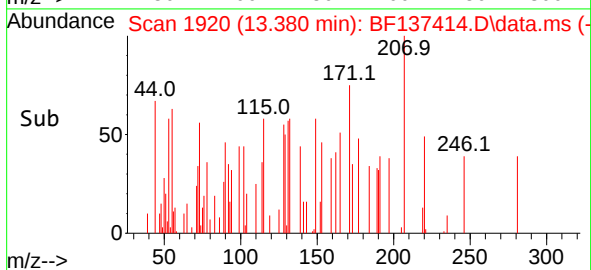
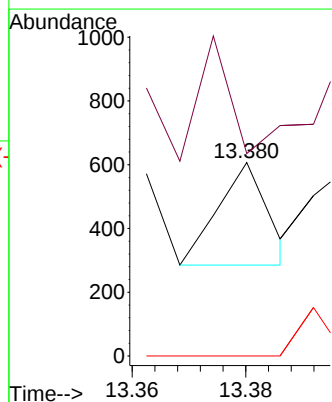
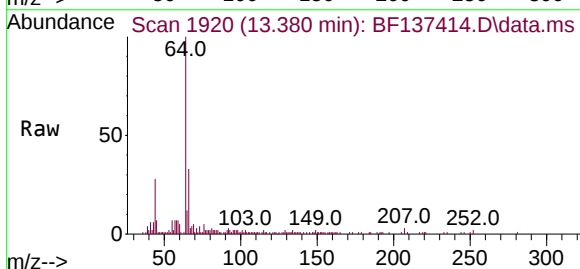


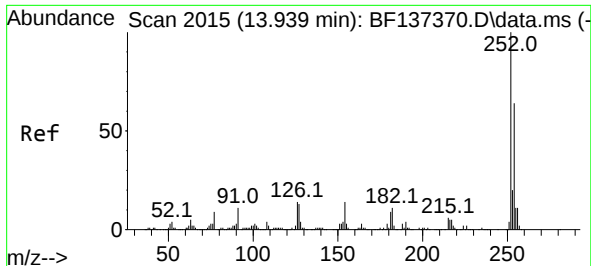
Tgt Ion:244 Resp: 2492652
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.3 7.9
 122 11.7 8.2 12.4



#80
 Butylbenzylphthalate
 Concen: 4.022 ng
 RT: 13.380 min Scan# 1920
 Delta R.T. -0.024 min
 Lab File: BF137414.D
 Acq: 27 Feb 2024 19:42

Tgt Ion:149 Resp: 198
 Ion Ratio Lower Upper
 149 100
 91 104.6 70.5 105.7
 206 0.0 14.8 22.2#





#82
3,3'-Dichlorobenzidine
Concen: 5.063 ng
RT: 13.904 min Scan# 2018
Delta R.T. -0.035 min
Lab File: BF137414.D
Acq: 27 Feb 2024 19:42

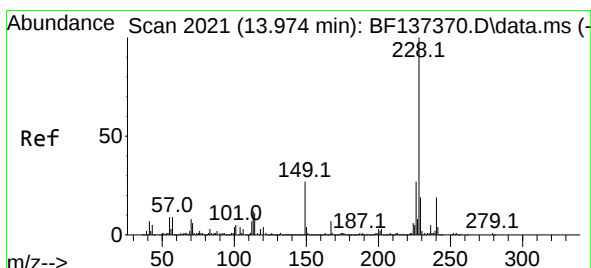
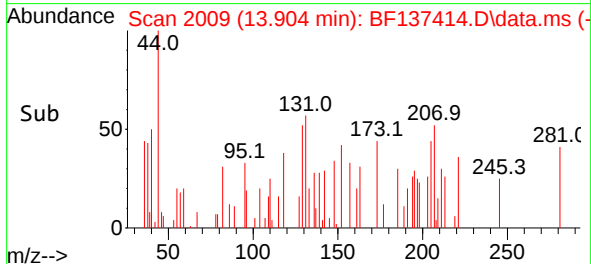
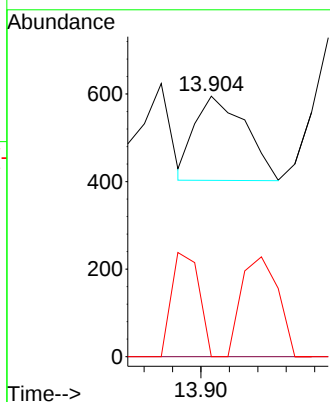
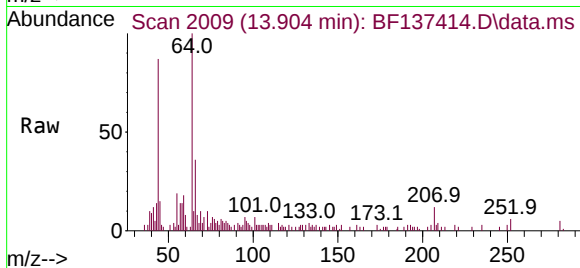
Instrument :

BNA_F

ClientSampleId :

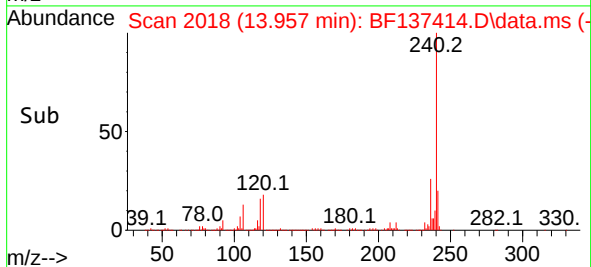
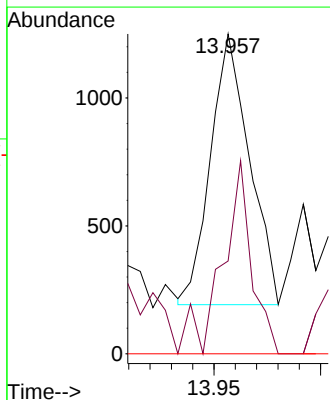
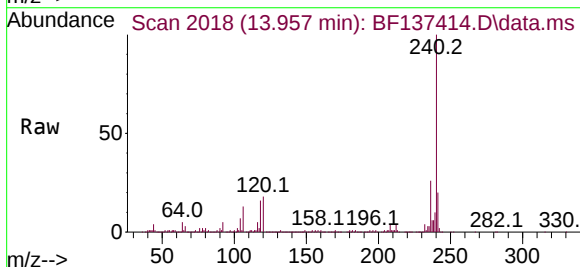
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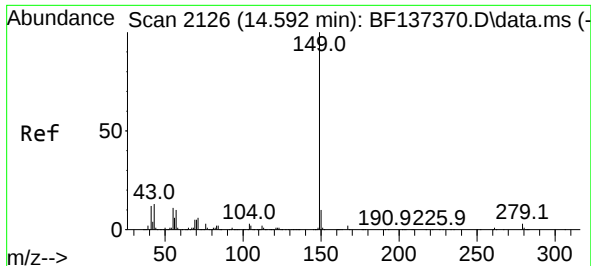
Tgt Ion:252 Resp: 239
Ion Ratio Lower Upper
252 100
254 0.0 51.2 76.8#
126 0.0 11.1 16.7#



#84
Bis(2-ethylhexyl)phthalate
Concen: 4.282 ng
RT: 13.957 min Scan# 2018
Delta R.T. -0.017 min
Lab File: BF137414.D
Acq: 27 Feb 2024 19:42

Tgt Ion:149 Resp: 1340
Ion Ratio Lower Upper
149 100
167 29.0 20.6 31.0
279 0.0 2.7 4.1#





#85
Di-n-octyl phthalate
Concen: 6.025 ng
RT: 14.580 min Scan# 2126
Delta R.T. -0.012 min
Lab File: BF137414.D
Acq: 27 Feb 2024 19:42

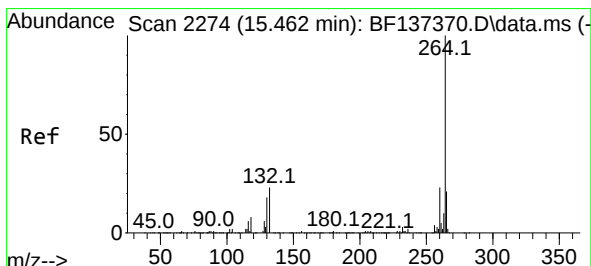
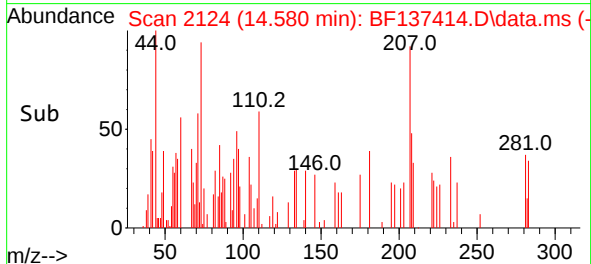
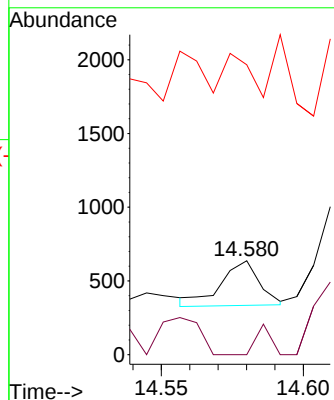
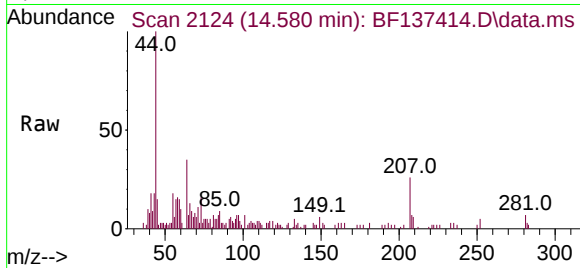
Instrument :

BNA_F

ClientSampleId :

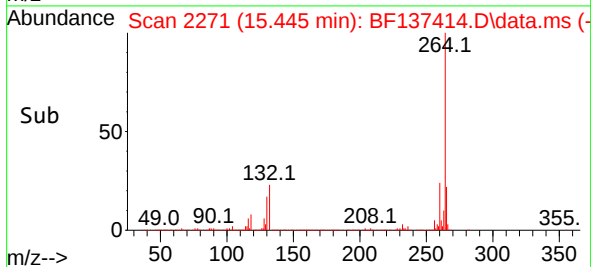
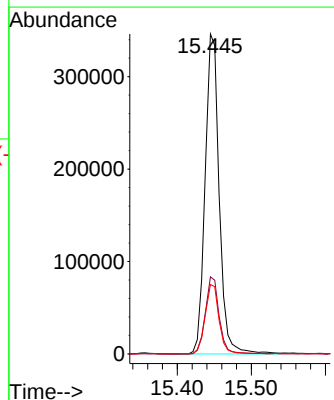
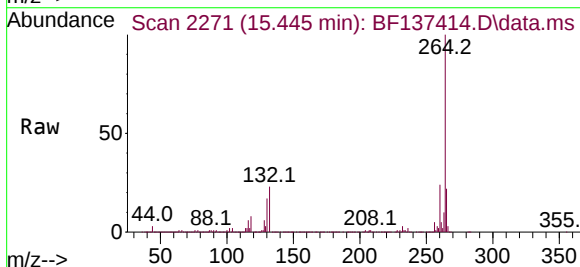
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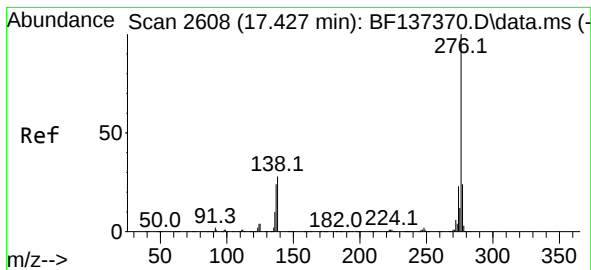
Tgt Ion:149 Resp: 285
Ion Ratio Lower Upper
149 100
167 25.6 1.2 1.8#
43 0.0 13.7 20.5#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 2271
Delta R.T. -0.018 min
Lab File: BF137414.D
Acq: 27 Feb 2024 19:42

Tgt Ion:264 Resp: 457879
Ion Ratio Lower Upper
264 100
260 24.1 18.5 27.7
265 21.7 16.9 25.3





#92

Benzo(g,h,i)perylene

Concen: 2.071 ng

RT: 17.403 min Scan# 20

Delta R.T. -0.024 min

Lab File: BF137414.D

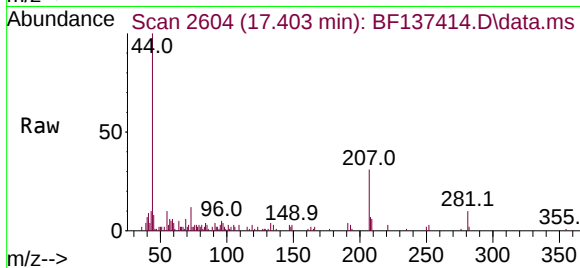
Acq: 27 Feb 2024 19:42

Instrument :

BNA_F

ClientSampleId :

20241106-AMENDED-COMPOSITE-35N-N-4-05



Tgt Ion:276 Resp: 58

Ion Ratio Lower Upper

276 100

277 0.0 19.0 28.4#

138 0.0 22.6 33.8#

