

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022724\
 Data File : BF137411.D
 Acq On : 27 Feb 2024 18:14
 Operator : CG\JU
 Sample : P1539-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 20241103-AMENDED-COMPOSITE-35N-N-4-02

Quant Time: Feb 28 05:22:09 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	231316	20.000	ng	-0.02
21) Naphthalene-d8	8.063	136	897020	20.000	ng	-0.02
39) Acenaphthene-d10	9.816	164	482629	20.000	ng	-0.02
64) Phenanthrene-d10	11.310	188	701964	20.000	ng	-0.02
76) Chrysene-d12	13.963	240	438222	20.000	ng	-0.02
86) Perylene-d12	15.445	264	474133	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	717020	47.830	ng	-0.02
7) Phenol-d6	6.416	99	594081	26.940	ng	-0.02
23) Nitrobenzene-d5	7.345	82	1439827	80.135	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	494765	117.724	ng	-0.02
45) 2-Fluorobiphenyl	9.139	172	2346890	75.705	ng	-0.02
79) Terphenyl-d14	12.910	244	2097694	66.953	ng	-0.02
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.252	42	1721	5.302	ng	# 1
19) n-Nitroso-di-n-propyla...	7.345	70	188531	13.874	ng	# 83
25) Isophorone	7.345	82	1434737	38.613	ng	# 69
26) 2-Nitrophenol	7.592	139	379	2.953	ng	# 1
32) Benzoic acid	7.922	122	478	7.000	ng	# 90
48) 2-Nitroaniline	9.351	65	692	4.321	ng	# 48
50) Dimethylphthalate	9.816	163	77324	2.319	ng	# 1
51) 2,6-Dinitrotoluene	9.816	165	61856	9.970	ng	# 26
53) 3-Nitroaniline	9.781	138	225	2.390	ng	# 51
56) 4-Nitrophenol	9.922	139	129	4.861	ng	# 1
57) 2,4-Dinitrotoluene	9.816	165	61856	8.774	ng	# 18
65) 4,6-Dinitro-2-methylph...	10.610	198	1172	4.815	ng	# 1
67) 4-Bromophenyl-phenylether	10.610	248	33001	4.373	ng	# 1
77) Benzidine	12.910	184	26596	9.975	ng	# 93
80) Butylbenzylphthalate	13.392	149	234	4.030	ng	# 43
82) 3,3'-Dichlorobenzidine	13.933	252	306	5.072	ng	# 30
84) Bis(2-ethylhexyl)phtha...	13.957	149	4566	4.762	ng	# 79
85) Di-n-octyl phthalate	14.580	149	483	6.047	ng	# 1
92) Benzo(g,h,i)perylene	17.392	276	152	2.074	ng	# 49

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

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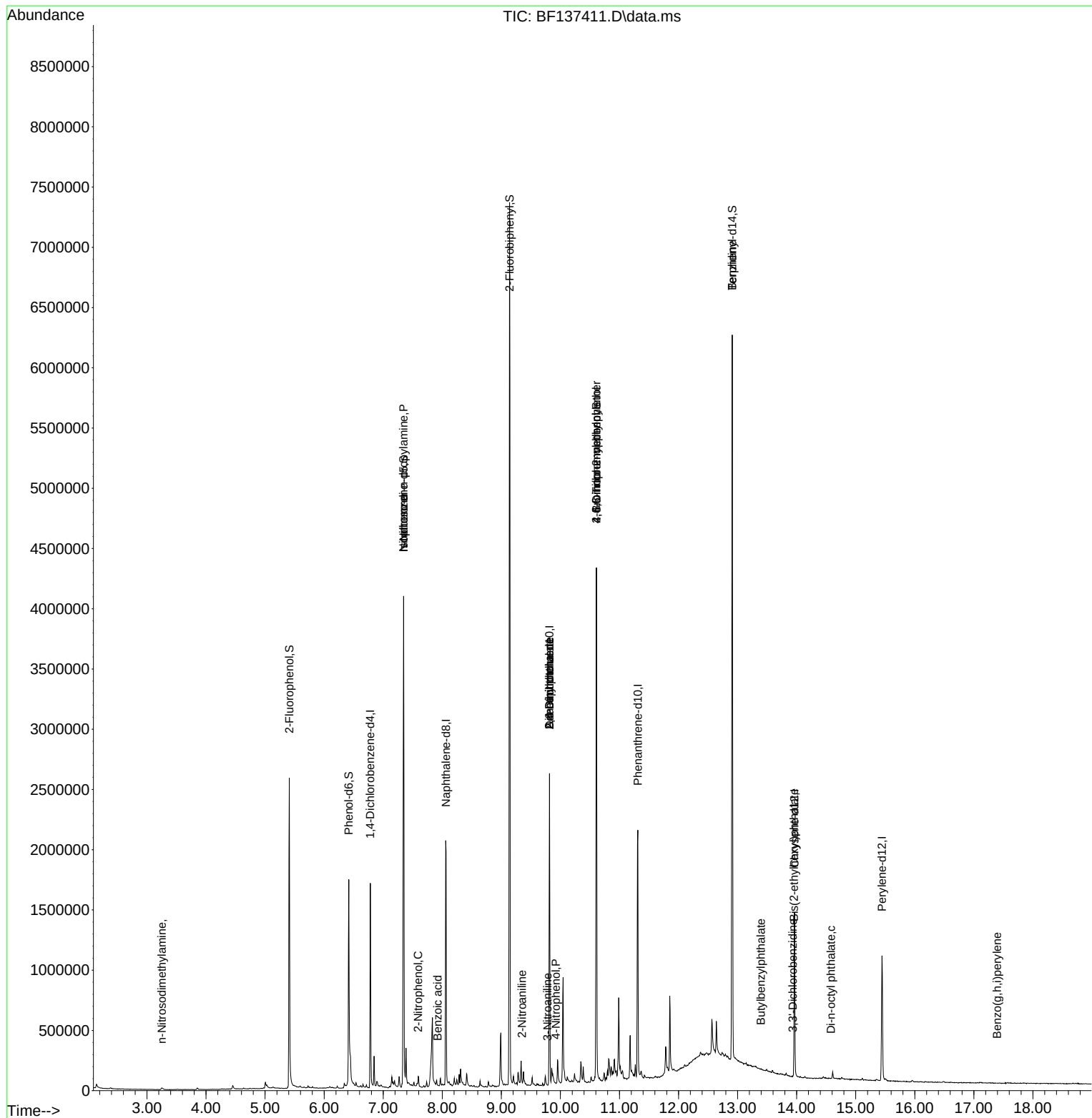
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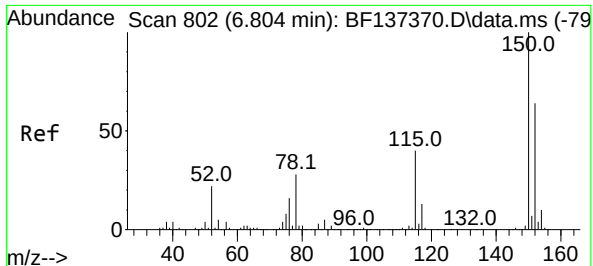
BNA_F

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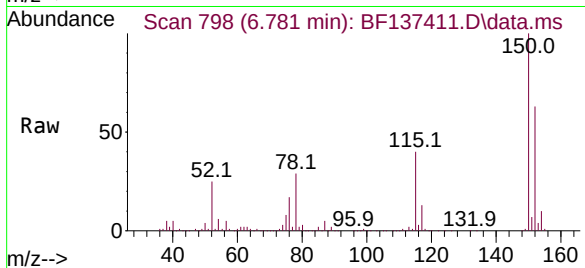
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.023 min
Lab File: BF137411.D
Acq: 27 Feb 2024 18:14

Instrument :

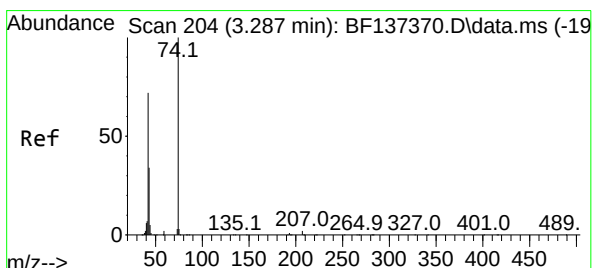
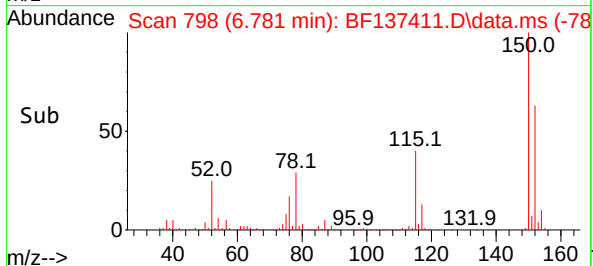
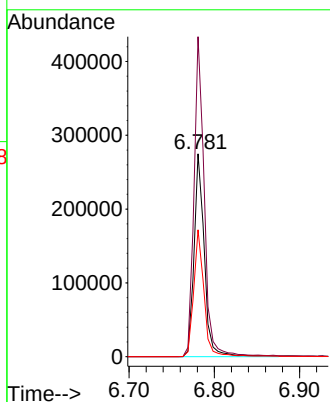
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ClientSampleId :

20241103-AMENDED-COMPOSITE-35N-N-4-02

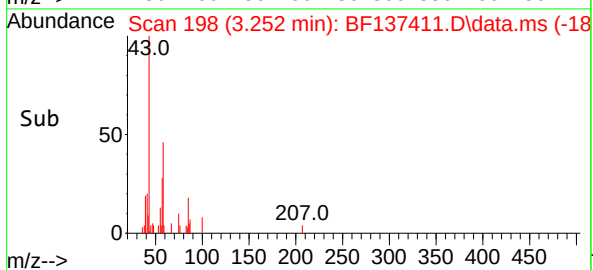
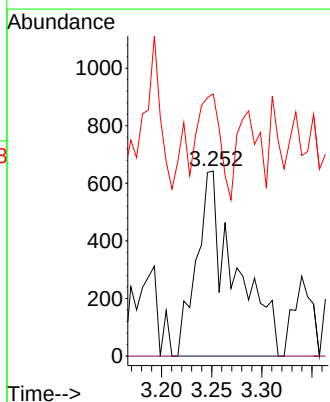
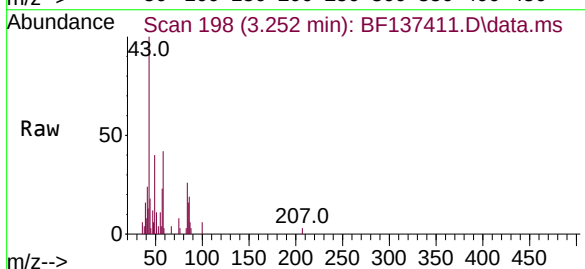


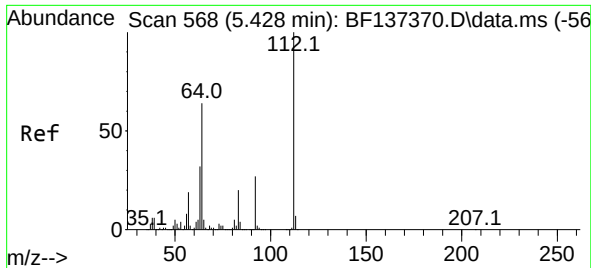
Tgt Ion:152 Resp: 231316
Ion Ratio Lower Upper
152 100
150 157.7 125.7 188.5
115 62.5 49.8 74.8



#4
n-Nitrosodimethylamine
Concen: 5.302 ng
RT: 3.252 min Scan# 198
Delta R.T. -0.035 min
Lab File: BF137411.D
Acq: 27 Feb 2024 18:14

Tgt Ion: 42 Resp: 1721
Ion Ratio Lower Upper
42 100
74 0.0 110.8 166.2#
44 141.5 6.0 9.0#

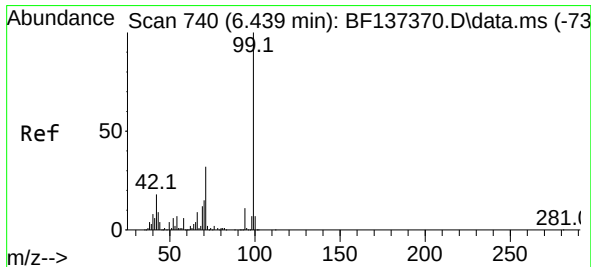
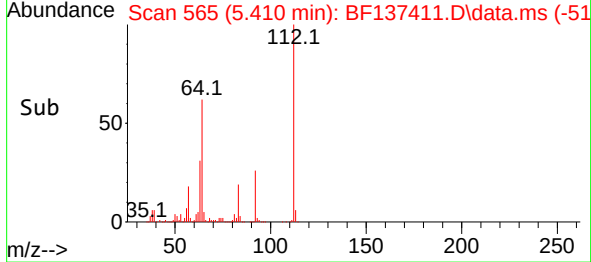
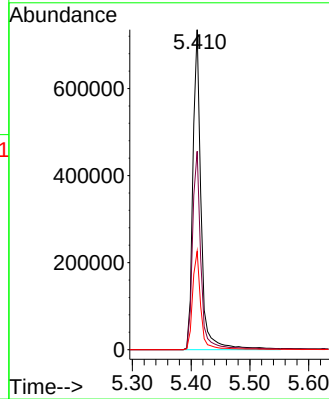
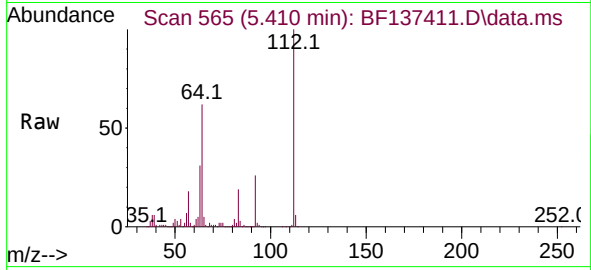




#5
2-Fluorophenol
Concen: 47.830 ng
RT: 5.410 min Scan# 50
Delta R.T. -0.018 min
Lab File: BF137411.D
Acq: 27 Feb 2024 18:14

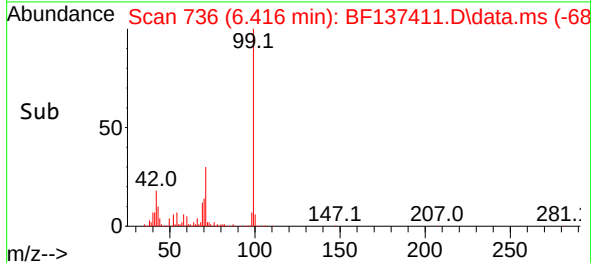
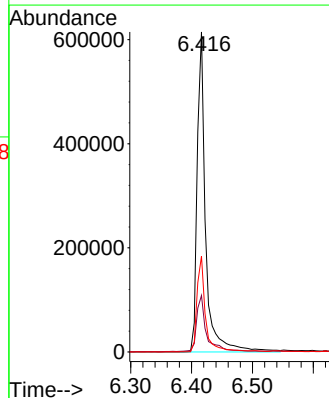
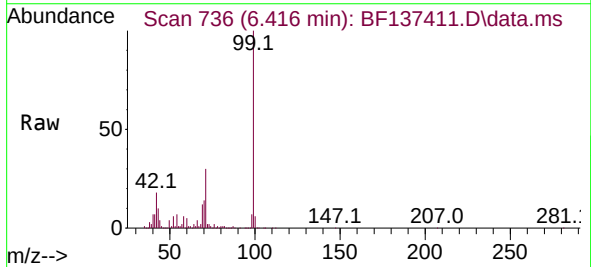
Instrument :
BNA_F
ClientSampleId :
20241103-AMENDED-COMPOSITE-35N-N-4-02

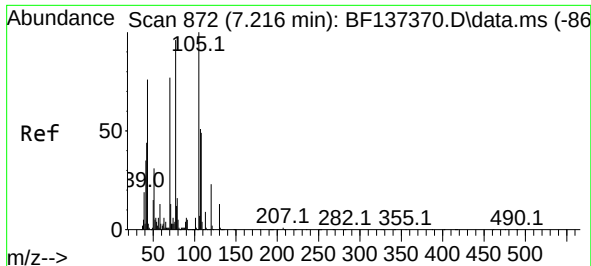
Tgt Ion:112 Resp: 717020
Ion Ratio Lower Upper
112 100
64 62.0 51.0 76.6
63 30.7 25.7 38.5



#7
Phenol-d6
Concen: 26.940 ng
RT: 6.416 min Scan# 736
Delta R.T. -0.023 min
Lab File: BF137411.D
Acq: 27 Feb 2024 18:14

Tgt Ion: 99 Resp: 594081
Ion Ratio Lower Upper
99 100
42 17.6 14.2 21.4
71 30.0 25.2 37.8





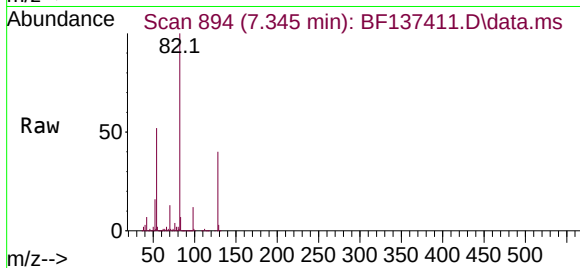
#19
n-Nitroso-di-n-propylamine
Concen: 13.874 ng
RT: 7.345 min Scan# 89
Delta R.T. 0.130 min
Lab File: BF137411.D
Acq: 27 Feb 2024 18:14

Instrument :

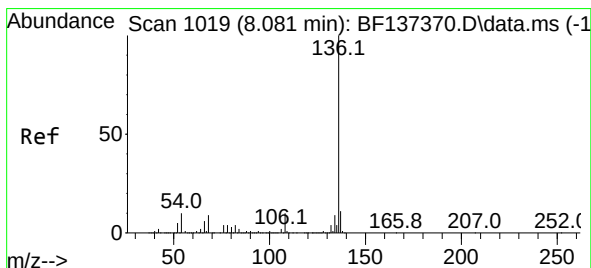
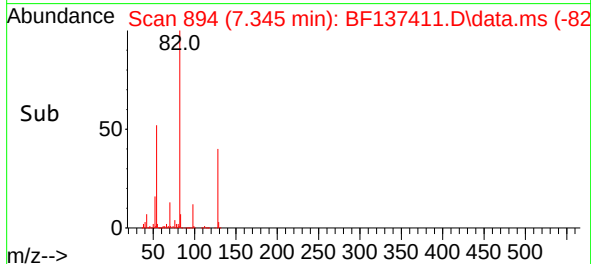
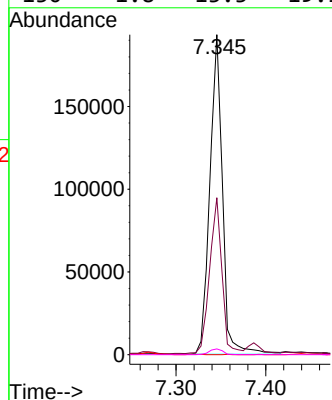
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ClientSampleId :

20241103-AMENDED-COMPOSITE-35N-N-4-02

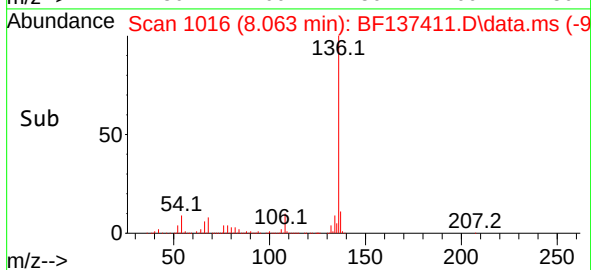
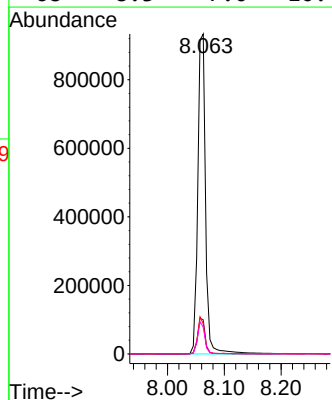
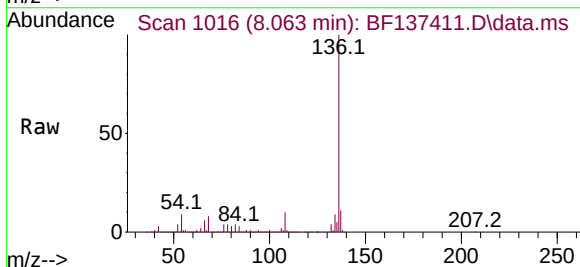


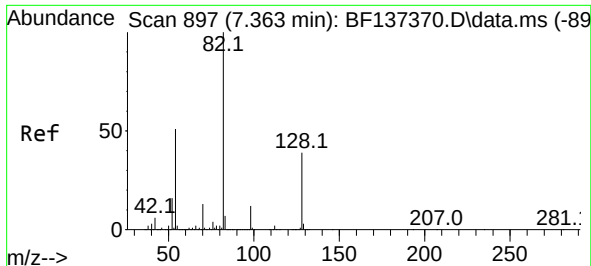
Tgt Ion: 70 Resp: 188531
Ion Ratio Lower Upper
70 100
42 49.0 45.3 67.9
101 0.0 6.5 9.7#
130 1.8 13.3 19.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1016
Delta R.T. -0.018 min
Lab File: BF137411.D
Acq: 27 Feb 2024 18:14

Tgt Ion:136 Resp: 897020
Ion Ratio Lower Upper
136 100
137 10.7 9.0 13.4
54 9.4 7.8 11.6
68 8.3 7.0 10.4





#23

Nitrobenzene-d5

Concen: 80.135 ng

RT: 7.345 min Scan# 894

Delta R.T. -0.018 min

Lab File: BF137411.D

Acq: 27 Feb 2024 18:14

Instrument :

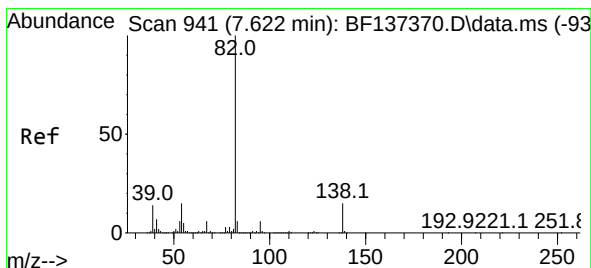
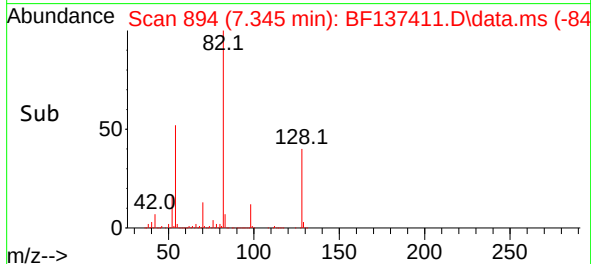
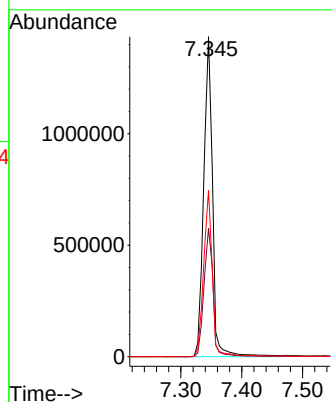
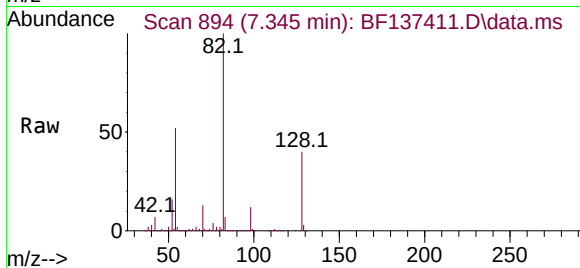
BNA_F

ClientSampleId :

20241103-AMENDED-COMPOSITE-35N-N-4-02

Tgt Ion: 82 Resp: 1439827

Ion	Ratio	Lower	Upper
82	100		
128	40.2	30.8	46.2
54	51.9	40.8	61.2



#25

Isophorone

Concen: 38.613 ng

RT: 7.345 min Scan# 894

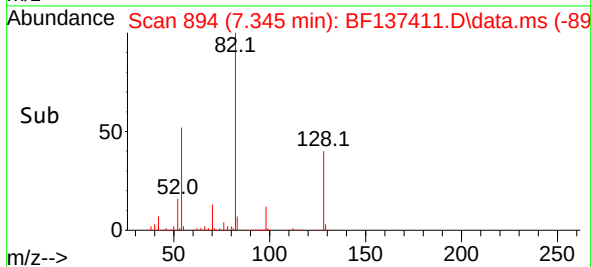
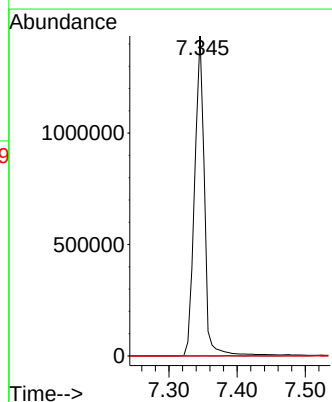
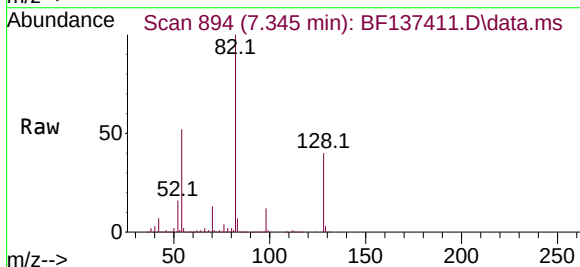
Delta R.T. -0.276 min

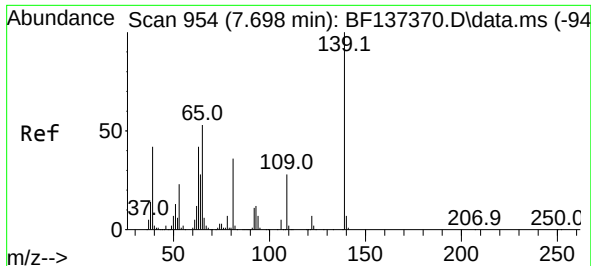
Lab File: BF137411.D

Acq: 27 Feb 2024 18:14

Tgt Ion: 82 Resp: 1434737

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

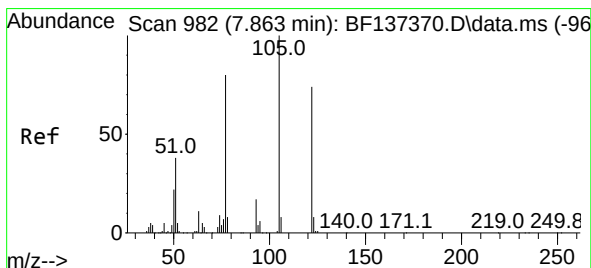
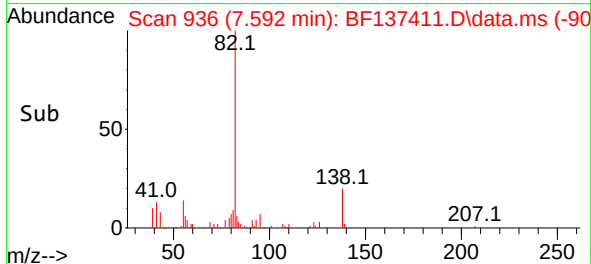
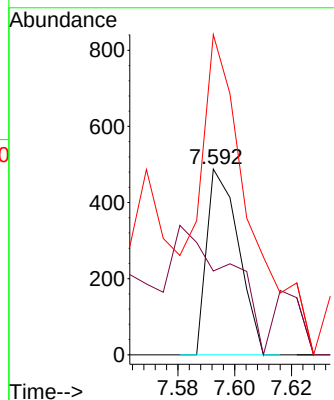
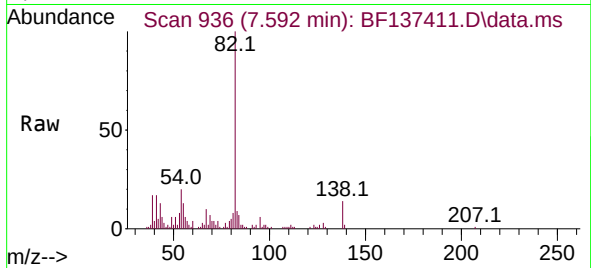




#26
2-Nitrophenol
Concen: 2.953 ng
RT: 7.592 min Scan# 911
Delta R.T. -0.106 min
Lab File: BF137411.D
Acq: 27 Feb 2024 18:14

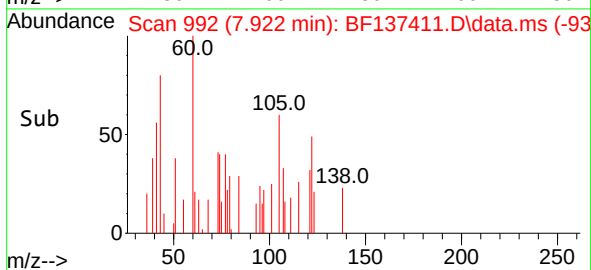
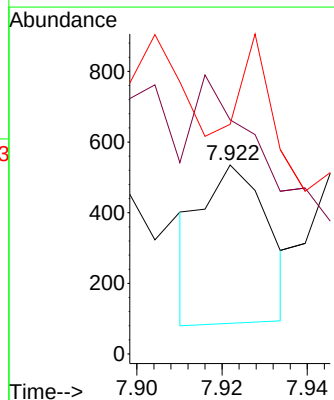
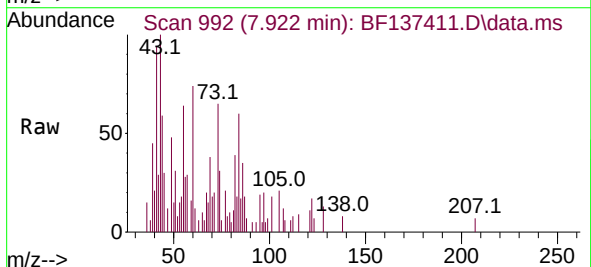
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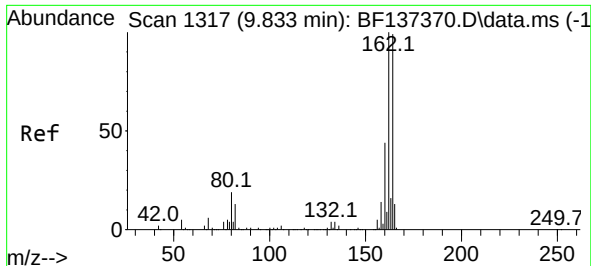
Tgt Ion:139 Resp: 379
Ion Ratio Lower Upper
139 100
109 45.1 22.5 33.7#
65 172.3 42.3 63.5#



#32
Benzoic acid
Concen: 7.000 ng
RT: 7.922 min Scan# 992
Delta R.T. 0.059 min
Lab File: BF137411.D
Acq: 27 Feb 2024 18:14

Tgt Ion:122 Resp: 478
Ion Ratio Lower Upper
122 100
105 123.9 101.1 141.1
77 121.5 82.8 122.8





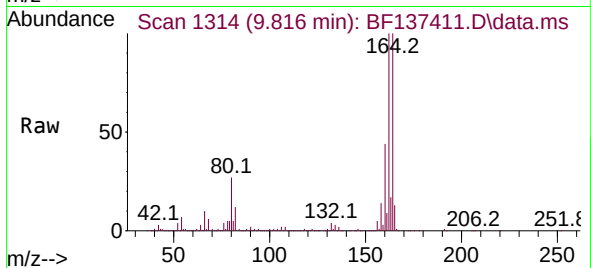
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF137411.D
Acq: 27 Feb 2024 18:14

Instrument :

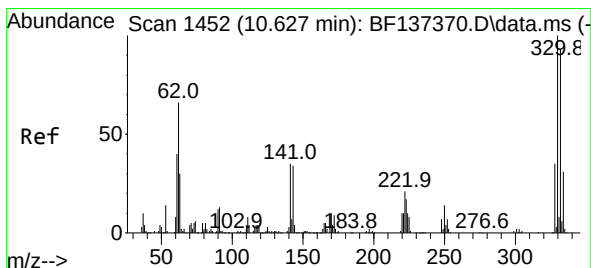
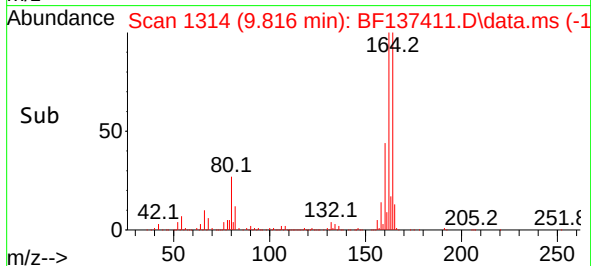
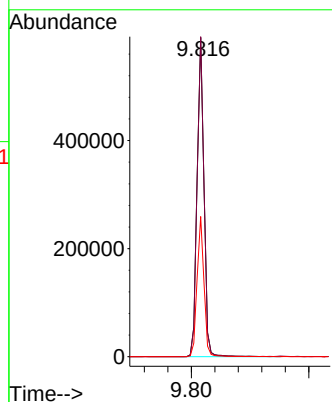
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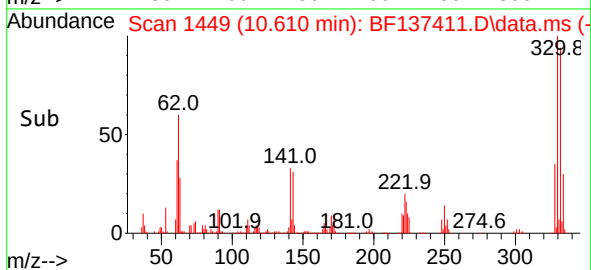
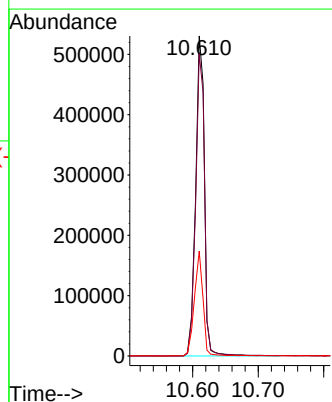
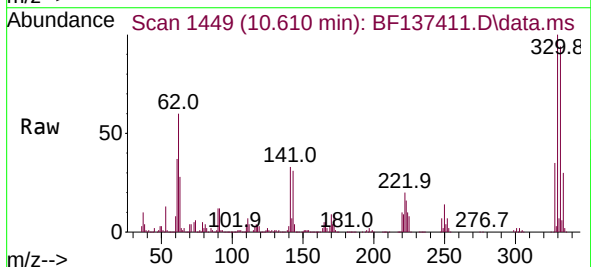


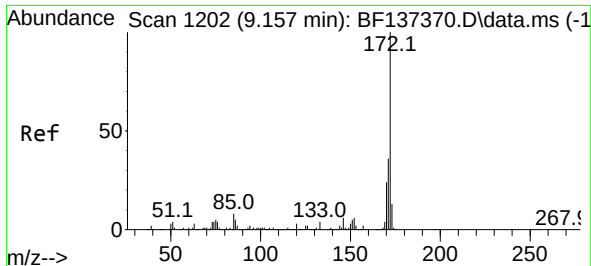
Tgt Ion:164 Resp: 482629
Ion Ratio Lower Upper
164 100
162 100.2 81.2 121.8
160 43.9 35.7 53.5



#42
2,4,6-Tribromophenol
Concen: 117.724 ng
RT: 10.610 min Scan# 1449
Delta R.T. -0.018 min
Lab File: BF137411.D
Acq: 27 Feb 2024 18:14

Tgt Ion:330 Resp: 494765
Ion Ratio Lower Upper
330 100
332 95.1 75.6 113.4
141 32.2 28.6 42.8





#45
2-Fluorobiphenyl
Concen: 75.705 ng
RT: 9.139 min Scan# 1199
Delta R.T. -0.018 min
Lab File: BF137411.D
Acq: 27 Feb 2024 18:14

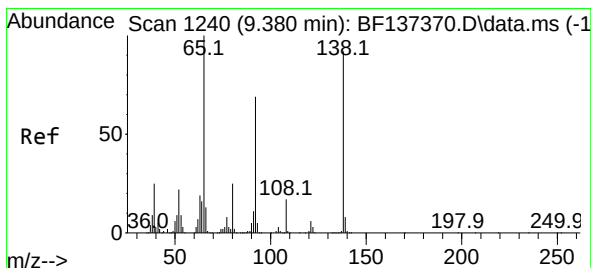
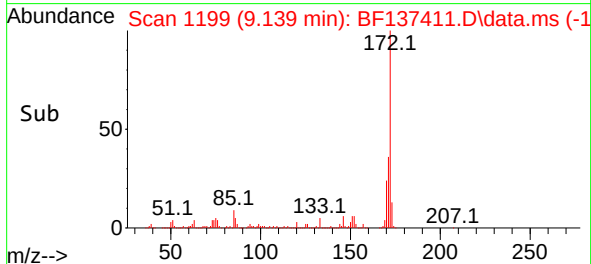
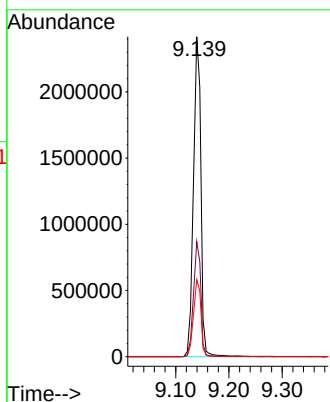
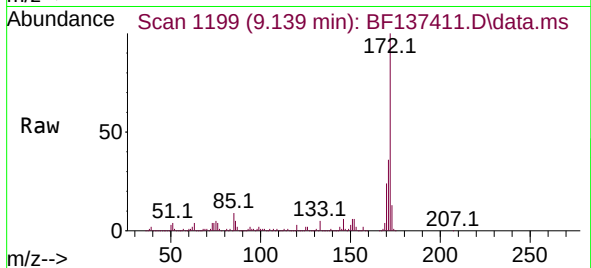
Instrument :

BNA_F

ClientSampleId :

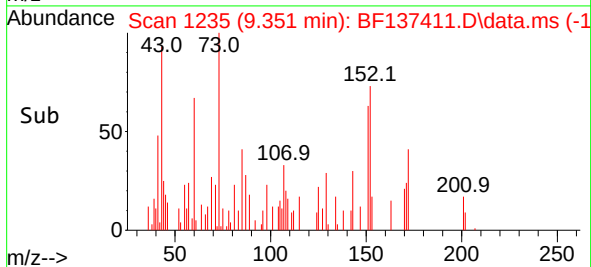
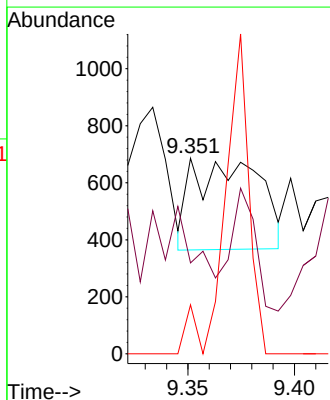
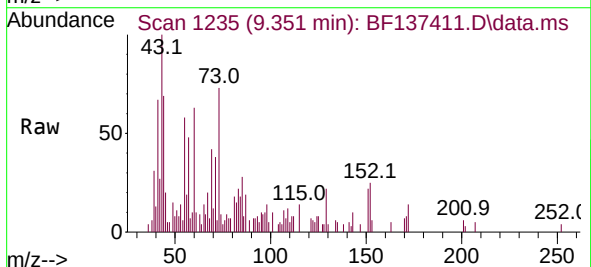
20241103-AMENDED-COMPOSITE-35N-N-4-02

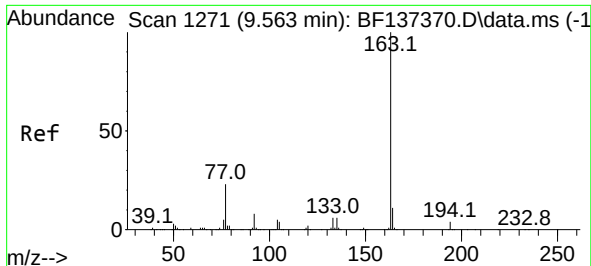
Tgt Ion:172 Resp: 2346890
Ion Ratio Lower Upper
172 100
171 36.0 28.7 43.1
170 24.1 19.5 29.3



#48
2-Nitroaniline
Concen: 4.321 ng
RT: 9.351 min Scan# 1235
Delta R.T. -0.029 min
Lab File: BF137411.D
Acq: 27 Feb 2024 18:14

Tgt Ion: 65 Resp: 692
Ion Ratio Lower Upper
65 100
92 46.5 55.0 82.6#
138 25.1 73.7 110.5#





#50
Dimethylphthalate
Concen: 2.319 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.253 min
Lab File: BF137411.D
Acq: 27 Feb 2024 18:14

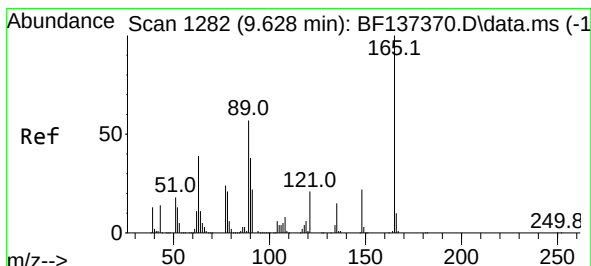
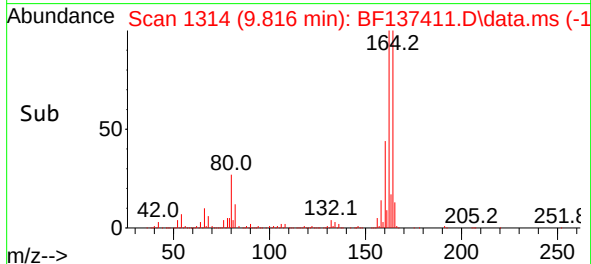
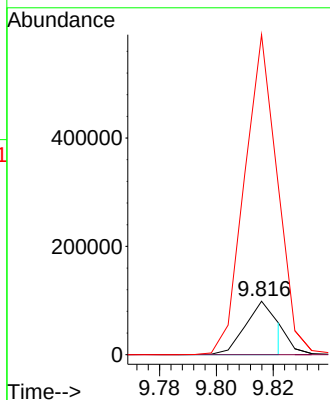
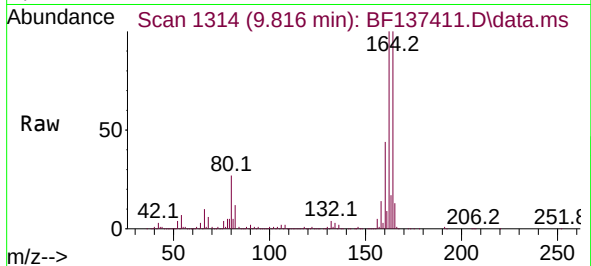
Instrument :

BNA_F

ClientSampleId :

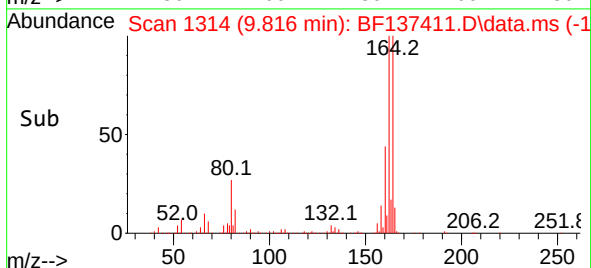
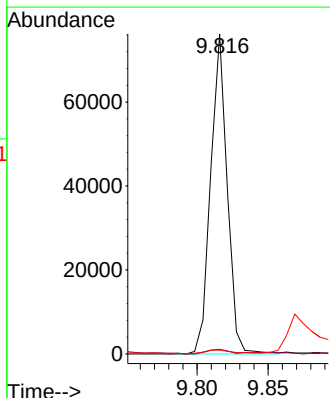
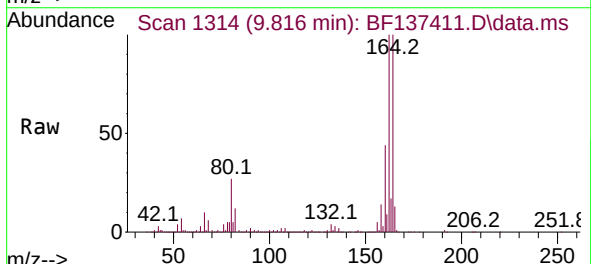
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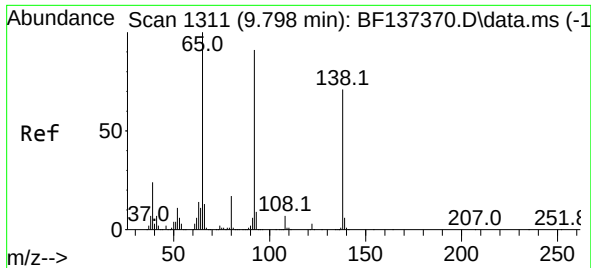
Tgt Ion:163 Resp: 77324
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.4#
164 598.9 8.5 12.7#



#51
2,6-Dinitrotoluene
Concen: 9.970 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.188 min
Lab File: BF137411.D
Acq: 27 Feb 2024 18:14

Tgt Ion:165 Resp: 61856
Ion Ratio Lower Upper
165 100
63 1.5 41.6 62.4#
89 1.2 45.8 68.6#

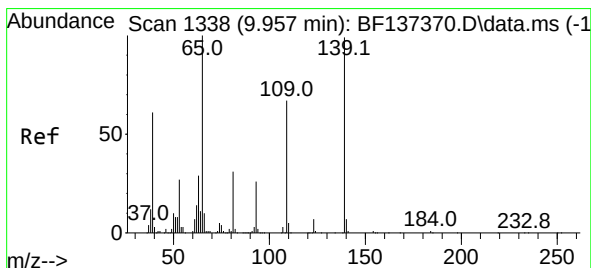
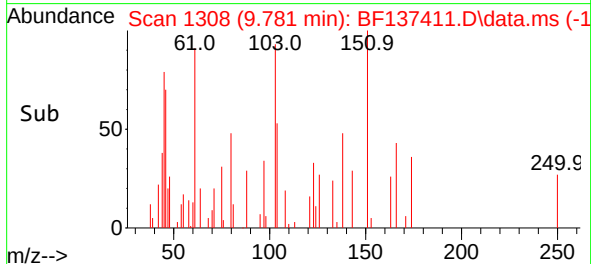
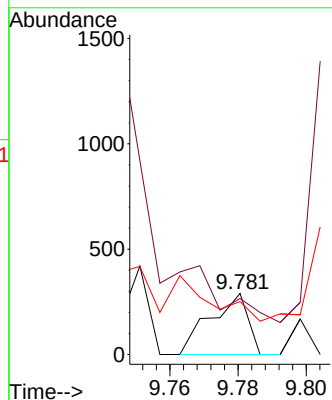
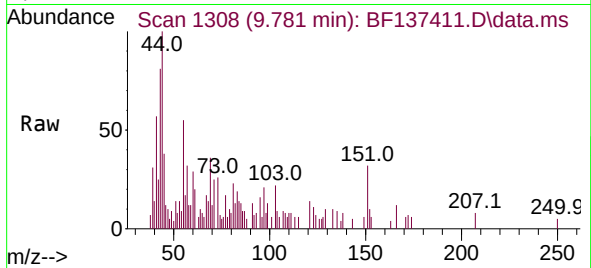




#53
3-Nitroaniline
Concen: 2.390 ng
RT: 9.781 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF137411.D
Acq: 27 Feb 2024 18:14

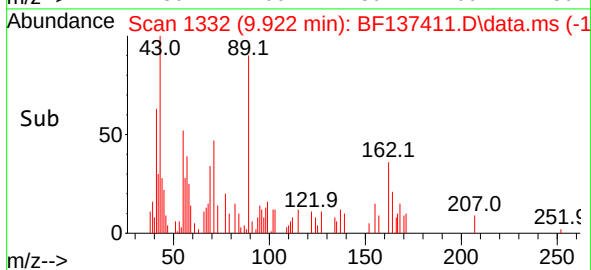
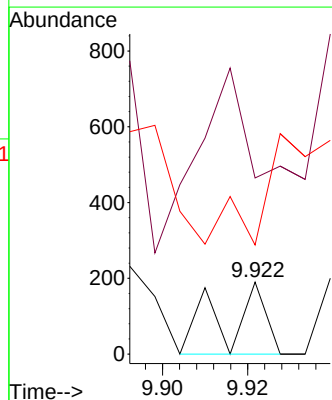
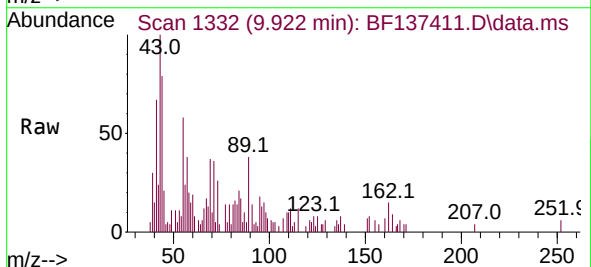
Instrument :
BNA_F
ClientSampleId :
20241103-AMENDED-COMPOSITE-35N-N-4-02

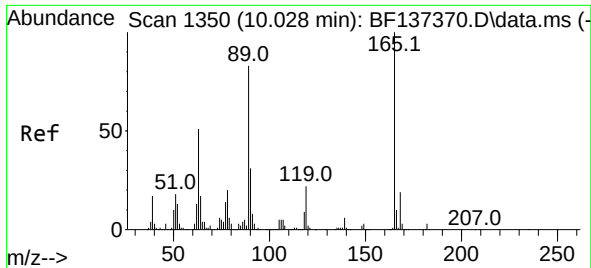
Tgt Ion:138 Resp: 225
Ion Ratio Lower Upper
138 100
108 91.7 8.2 12.2#
92 86.9 102.2 153.2#



#56
4-Nitrophenol
Concen: 4.861 ng
RT: 9.922 min Scan# 1332
Delta R.T. -0.035 min
Lab File: BF137411.D
Acq: 27 Feb 2024 18:14

Tgt Ion:139 Resp: 129
Ion Ratio Lower Upper
139 100
109 244.7 48.0 88.0#
65 151.6 82.2 122.2#





#57
2,4-Dinitrotoluene
Concen: 8.774 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.212 min
Lab File: BF137411.D
Acq: 27 Feb 2024 18:14

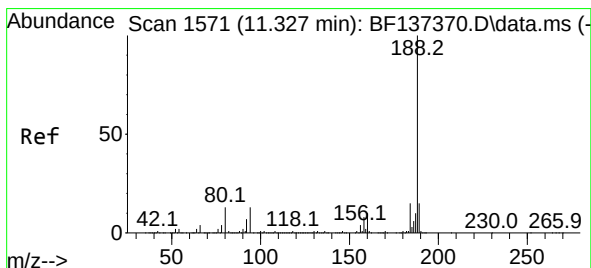
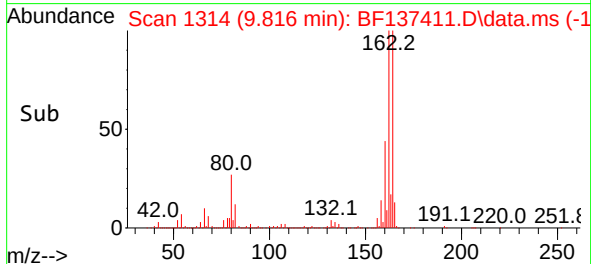
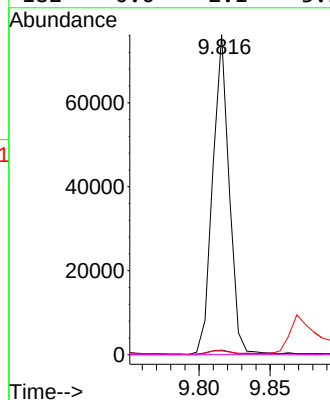
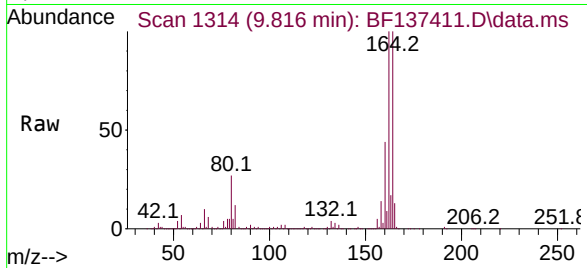
Instrument :

BNA_F

ClientSampleId :

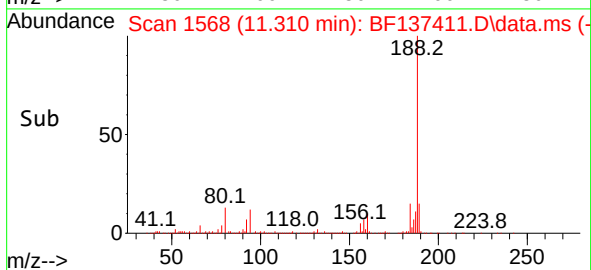
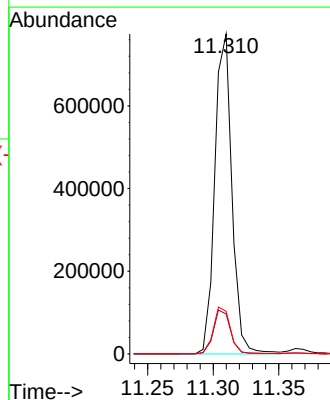
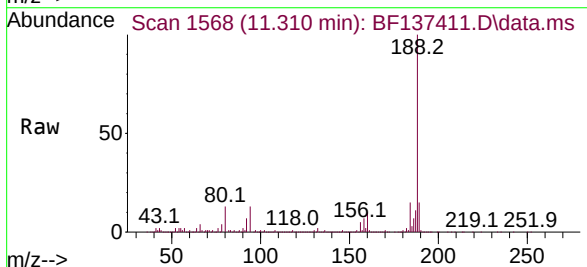
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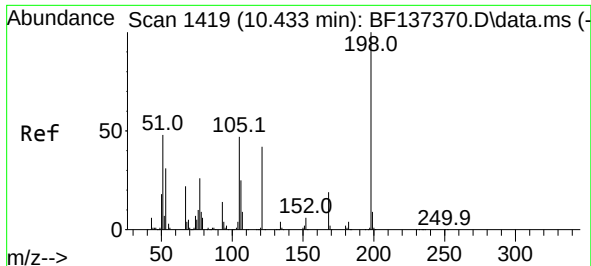
Tgt Ion:165 Resp: 61856
Ion Ratio Lower Upper
165 100
63 1.5 41.1 61.7#
89 1.2 66.6 100.0#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.018 min
Lab File: BF137411.D
Acq: 27 Feb 2024 18:14

Tgt Ion:188 Resp: 701964
Ion Ratio Lower Upper
188 100
94 12.5 10.2 15.2
80 13.3 10.7 16.1





#65
4,6-Dinitro-2-methylphenol
Concen: 4.815 ng
RT: 10.610 min Scan# 1419
Delta R.T. 0.177 min
Lab File: BF137411.D
Acq: 27 Feb 2024 18:14

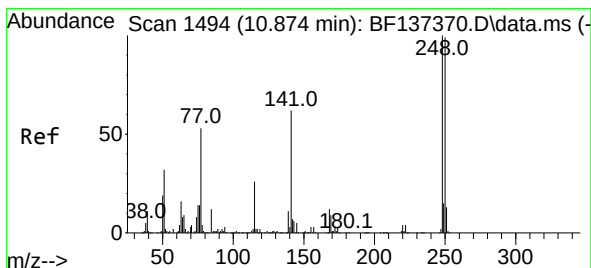
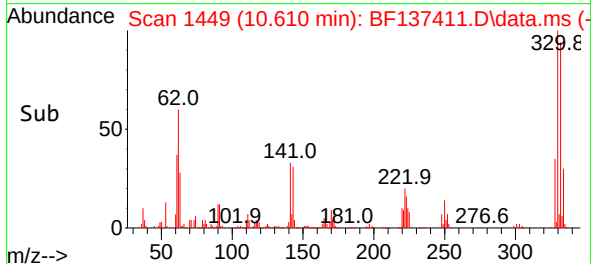
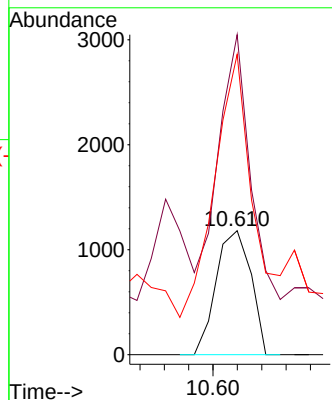
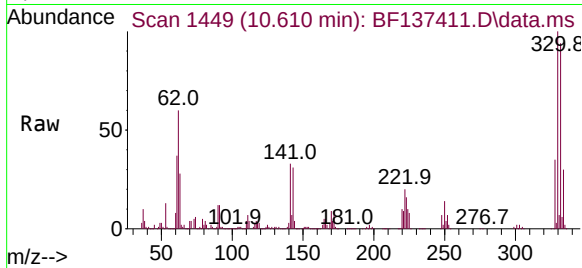
Instrument :

BNA_F

ClientSampleId :

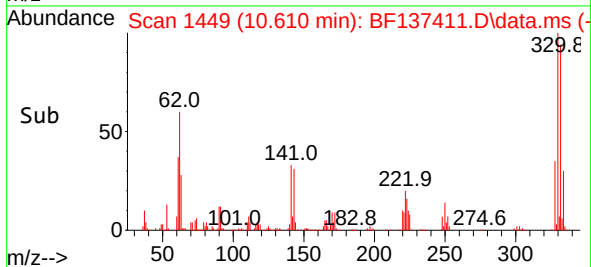
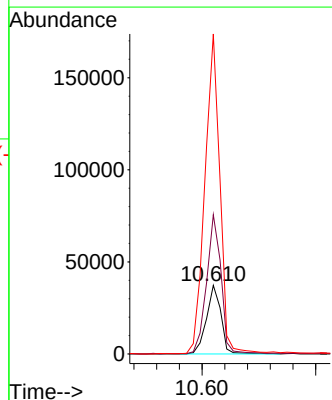
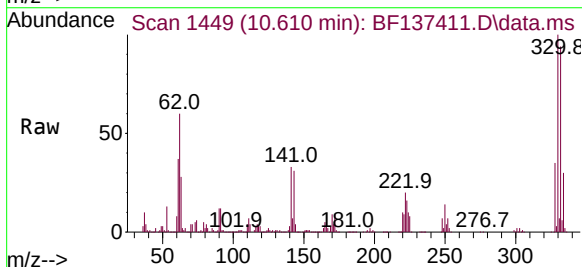
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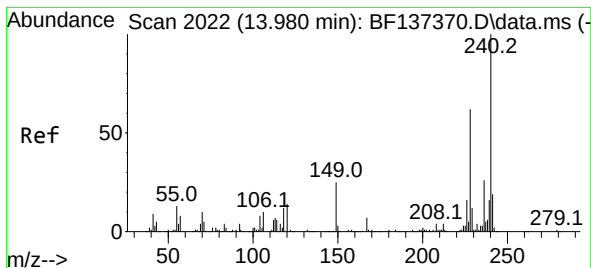
Tgt Ion:198 Resp: 1172
Ion Ratio Lower Upper
198 100
51 257.9 36.8 76.8#
105 242.0 28.5 68.5#



#67
4-Bromophenyl-phenylether
Concen: 4.373 ng
RT: 10.610 min Scan# 1449
Delta R.T. -0.265 min
Lab File: BF137411.D
Acq: 27 Feb 2024 18:14

Tgt Ion:248 Resp: 33001
Ion Ratio Lower Upper
248 100
250 202.8 79.0 118.6#
141 466.4 49.9 74.9#





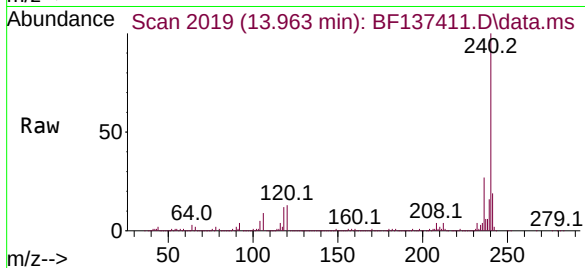
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 20
Delta R.T. -0.018 min
Lab File: BF137411.D
Acq: 27 Feb 2024 18:14

Instrument :

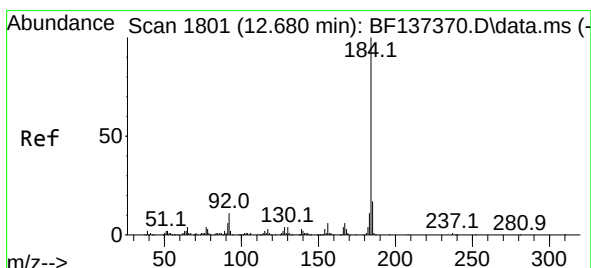
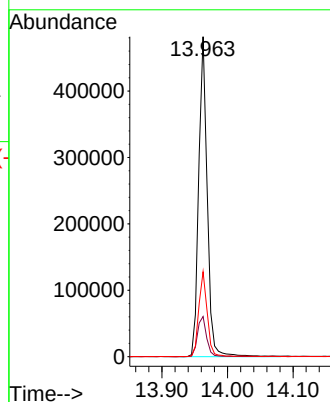
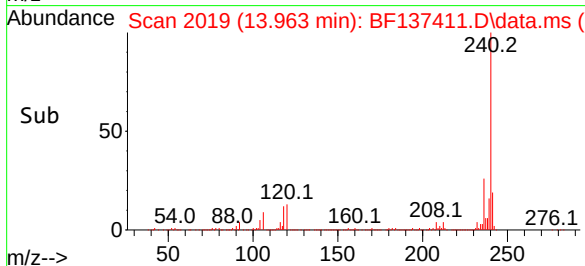
BNA_F

ClientSampleId :

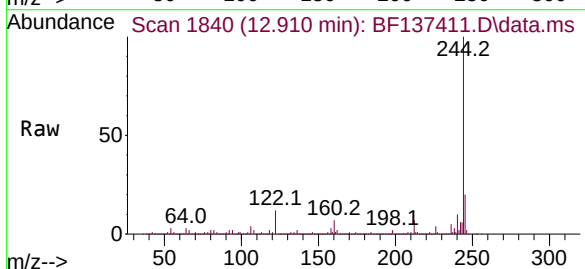
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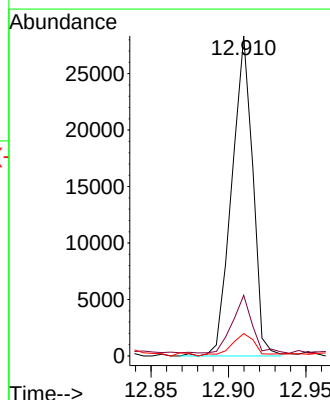
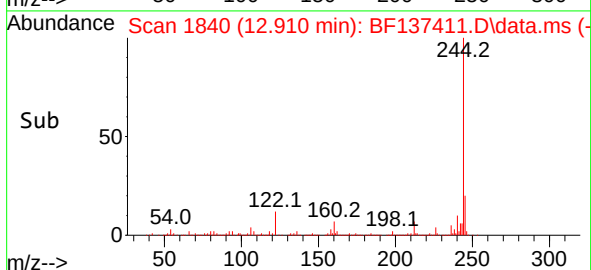
Tgt Ion:240 Resp: 438222
Ion Ratio Lower Upper
240 100
120 12.6 11.3 16.9
236 26.5 20.5 30.7

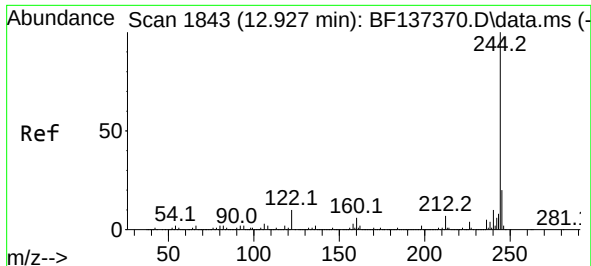


#77
Benzidine
Concen: 9.975 ng
RT: 12.910 min Scan# 1840
Delta R.T. 0.230 min
Lab File: BF137411.D
Acq: 27 Feb 2024 18:14



Tgt Ion:184 Resp: 26596
Ion Ratio Lower Upper
184 100
185 19.0 13.7 20.5
183 7.0 8.8 13.2#





#79
Terphenyl-d14
Concen: 66.953 ng
RT: 12.910 min Scan# 1843
Delta R.T. -0.018 min
Lab File: BF137411.D
Acq: 27 Feb 2024 18:14

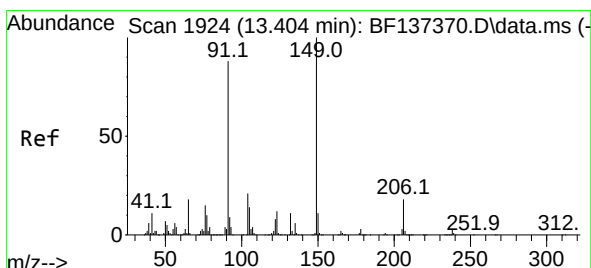
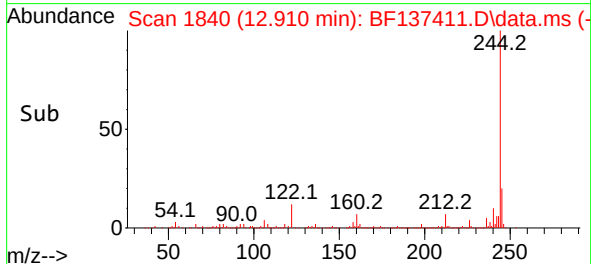
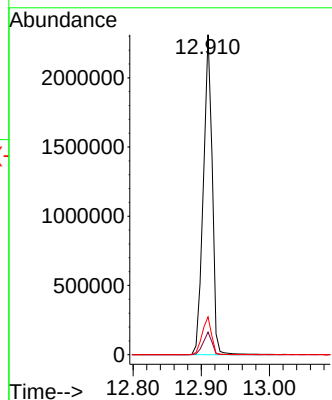
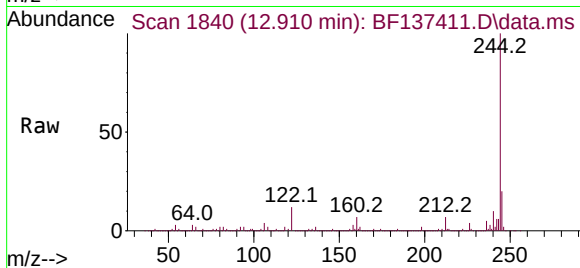
Instrument :

BNA_F

ClientSampleId :

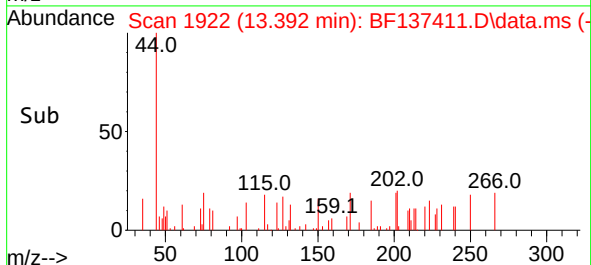
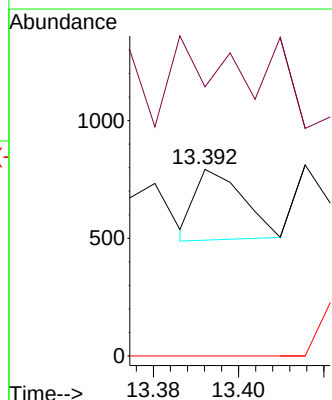
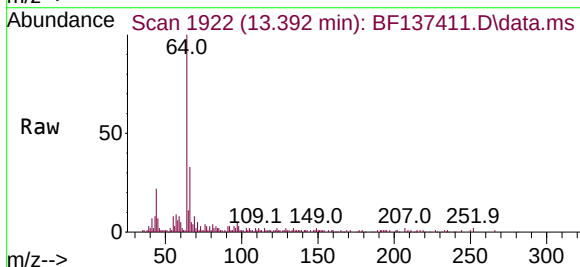
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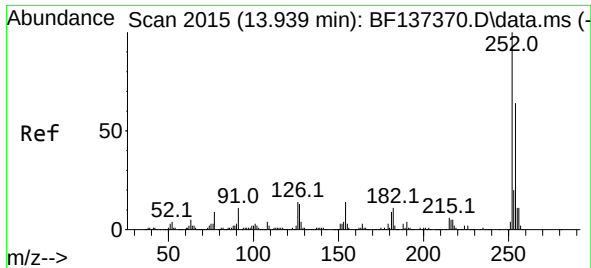
Tgt Ion:244 Resp: 2097694
Ion Ratio Lower Upper
244 100
212 7.0 5.3 7.9
122 11.8 8.2 12.4



#80
Butylbenzylphthalate
Concen: 4.030 ng
RT: 13.392 min Scan# 1922
Delta R.T. -0.012 min
Lab File: BF137411.D
Acq: 27 Feb 2024 18:14

Tgt Ion:149 Resp: 234
Ion Ratio Lower Upper
149 100
91 144.3 70.5 105.7#
206 0.0 14.8 22.2#





#82
 3,3'-Dichlorobenzidine
 Concen: 5.072 ng
 RT: 13.933 min Scan# 2014
 Delta R.T. -0.006 min
 Lab File: BF137411.D
 Acq: 27 Feb 2024 18:14

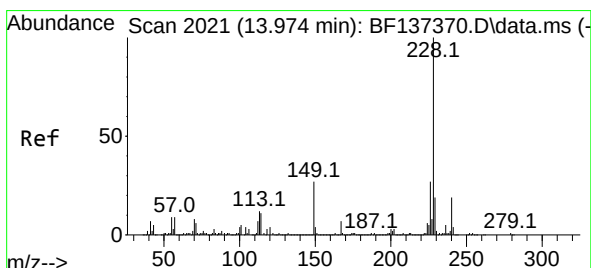
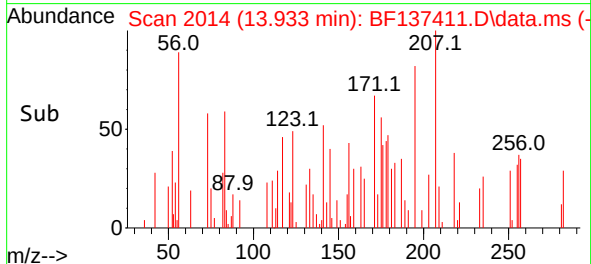
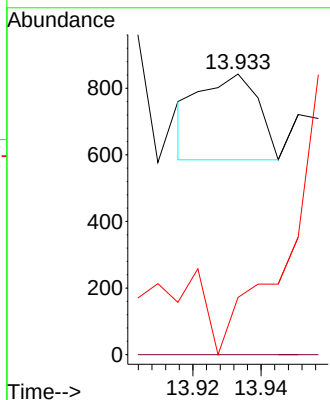
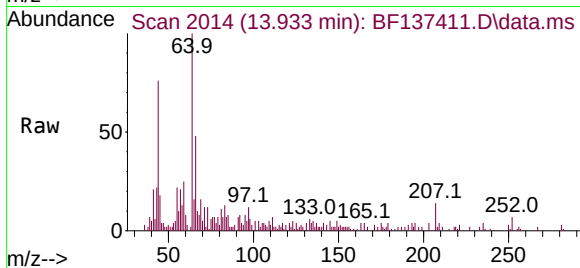
Instrument :

BNA_F

ClientSampleId :

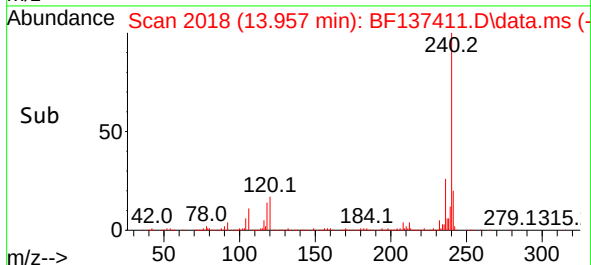
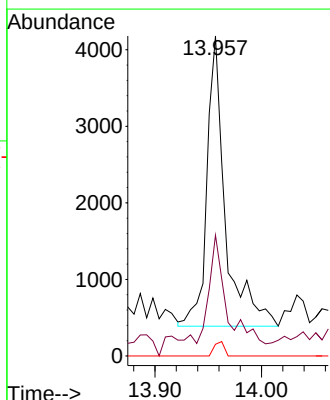
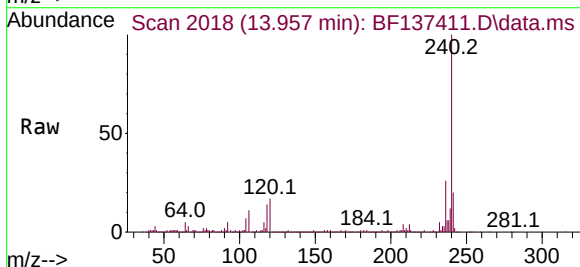
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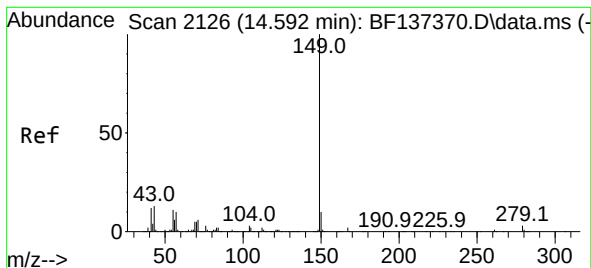
Tgt Ion:252 Resp: 306
 Ion Ratio Lower Upper
 252 100
 254 0.0 51.2 76.8#
 126 20.4 11.1 16.7#



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 4.762 ng
 RT: 13.957 min Scan# 2018
 Delta R.T. -0.017 min
 Lab File: BF137411.D
 Acq: 27 Feb 2024 18:14

Tgt Ion:149 Resp: 4566
 Ion Ratio Lower Upper
 149 100
 167 37.8 20.6 31.0#
 279 3.6 2.7 4.1





#85

Di-n-octyl phthalate

Concen: 6.047 ng

RT: 14.580 min Scan# 2126

Delta R.T. -0.012 min

Lab File: BF137411.D

Acq: 27 Feb 2024 18:14

Instrument :

BNA_F

ClientSampleId :

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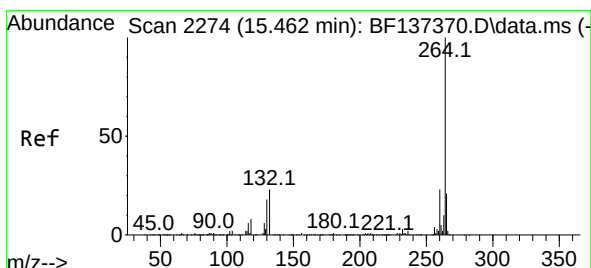
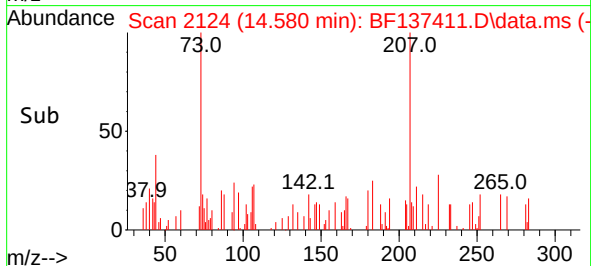
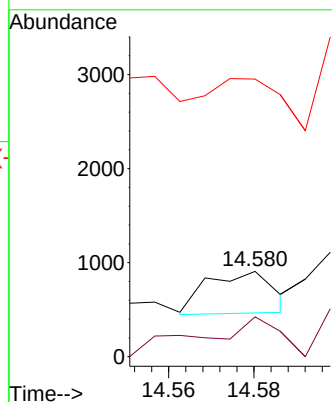
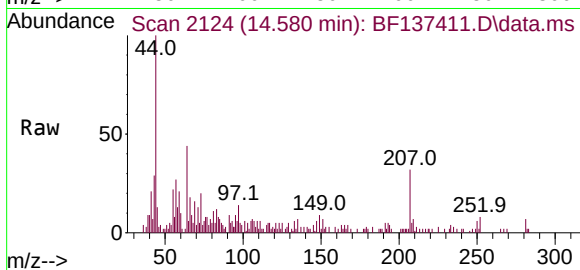
Tgt Ion:149 Resp: 483

Ion Ratio Lower Upper

149 100

167 111.6 1.2 1.8#

43 108.7 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: BF137411.D

Acq: 27 Feb 2024 18:14

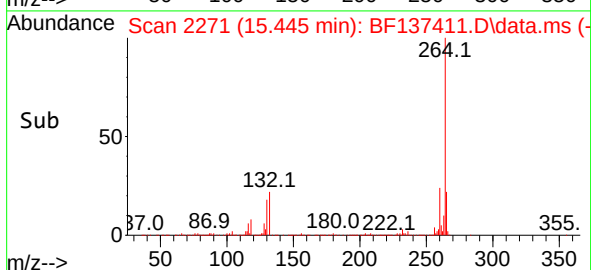
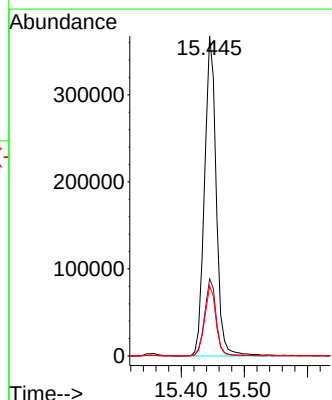
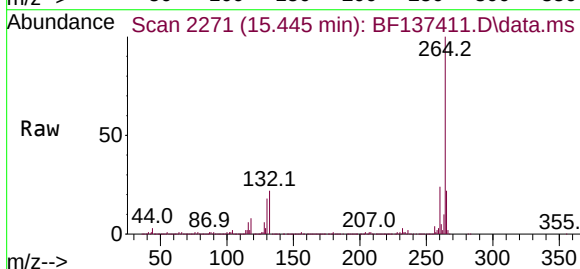
Tgt Ion:264 Resp: 474133

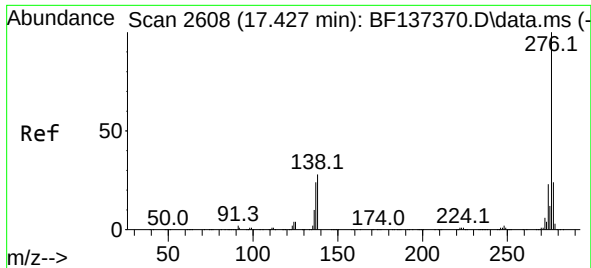
Ion Ratio Lower Upper

264 100

260 24.1 18.5 27.7

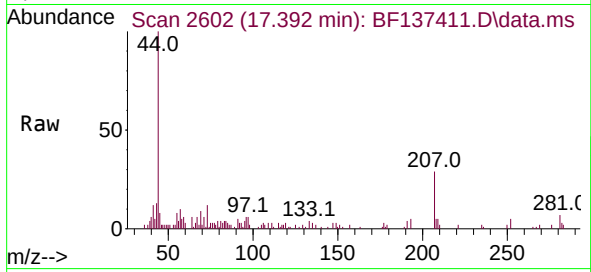
265 21.8 16.9 25.3





#92
 Benzo(g,h,i)perylene
 Concen: 2.074 ng
 RT: 17.392 min Scan# 20
 Delta R.T. -0.035 min
 Lab File: BF137411.D
 Acq: 27 Feb 2024 18:14

Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion:	276	Resp:	152
Ion Ratio	Lower	Upper	
276	100		
277	0.0	19.0	28.4#
138	0.0	22.6	33.8#

