

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022624\
 Data File : BF137387.D
 Acq On : 26 Feb 2024 16:06
 Operator : CG\JU
 Sample : P1538-06
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 20241101-COMPOSITE-35N-N-4-06

Quant Time: Feb 26 16:40:56 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)

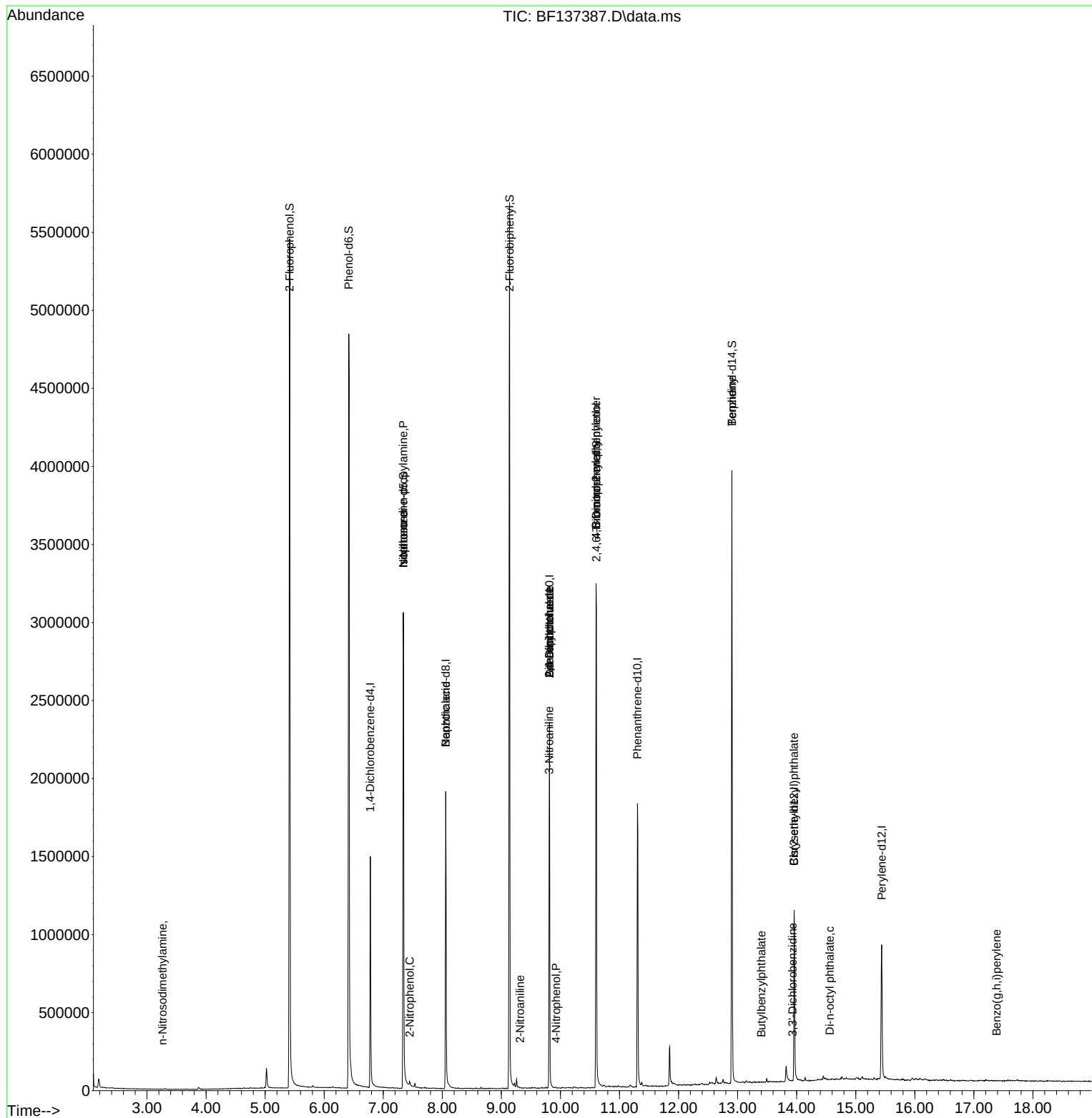
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	211202	20.000	ng	-0.02
21) Naphthalene-d8	8.057	136	841126	20.000	ng	-0.02
39) Acenaphthene-d10	9.816	164	444419	20.000	ng	-0.02
64) Phenanthrene-d10	11.304	188	697610	20.000	ng	-0.02
76) Chrysene-d12	13.957	240	388497	20.000	ng	-0.02
86) Perylene-d12	15.439	264	408219	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	1515547	110.725	ng	-0.01
7) Phenol-d6	6.416	99	2087142	103.660	ng	-0.02
23) Nitrobenzene-d5	7.339	82	1154378	68.517	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	387001	100.000	ng	-0.02
45) 2-Fluorobiphenyl	9.139	172	1703119	59.662	ng	-0.02
79) Terphenyl-d14	12.904	244	1306175	47.025	ng	-0.02
Target Compounds						
					Qvalue	
4) n-Nitrosodimethylamine	3.263	42	538	5.174	ng	# 1
19) n-Nitroso-di-n-propyla...	7.339	70	149784	12.072	ng	# 83
25) Isophorone	7.339	82	1154283	33.130	ng	# 69
26) 2-Nitrophenol	7.451	139	151	2.924	ng	# 33
32) Benzoic acid	8.057	122	197	6.972	ng	# 1
48) 2-Nitroaniline	9.316	65	156	4.262	ng	# 9
50) Dimethylphthalate	9.816	163	74614	2.430	ng	# 1
51) 2,6-Dinitrotoluene	9.816	165	57333	10.035	ng	# 25
53) 3-Nitroaniline	9.810	138	116	2.377	ng	# 1
56) 4-Nitrophenol	9.928	139	55	4.849	ng	# 6
57) 2,4-Dinitrotoluene	9.816	165	57333	8.825	ng	# 17
65) 4,6-Dinitro-2-methylph...	10.604	198	904	4.746	ng	# 1
67) 4-Bromophenyl-phenylether	10.604	248	27211	3.628	ng	# 1
77) Benzidine	12.904	184	16187	9.022	ng	# 95
80) Butylbenzylphthalate	13.404	149	317	4.056	ng	# 70
82) 3,3'-Dichlorobenzidine	13.933	252	201	5.062	ng	# 1
84) Bis(2-ethylhexyl)phtha...	13.957	149	1486	4.334	ng	# 71
85) Di-n-octyl phthalate	14.563	149	124	6.009	ng	# 1
92) Benzo(g,h,i)perylene	17.386	276	1711	2.138	ng	# 81

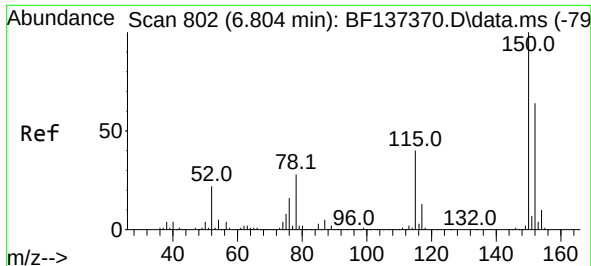
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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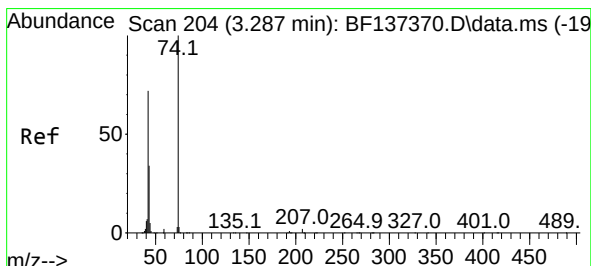
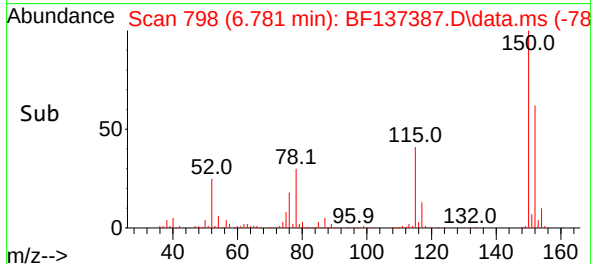
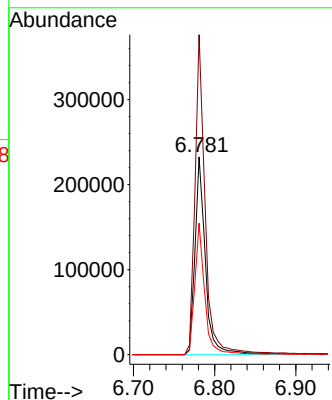
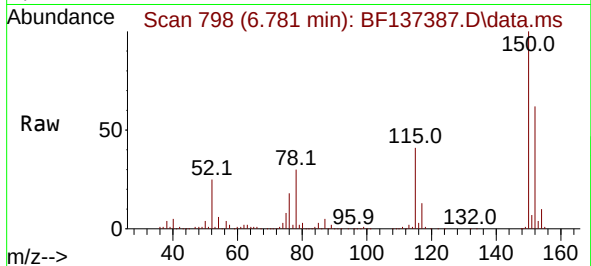




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.023 min
Lab File: BF137387.D
Acq: 26 Feb 2024 16:06

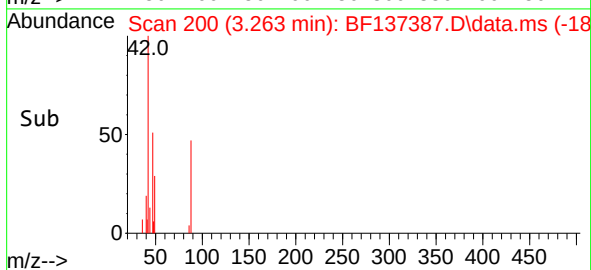
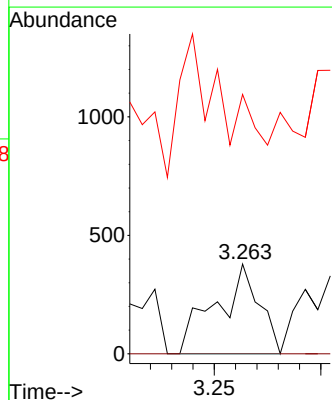
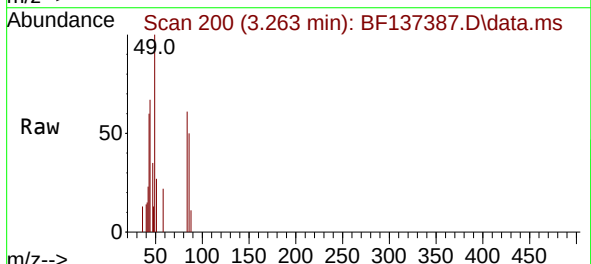
Instrument :
BNA_F
ClientSampleId :
20241101-COMPOSITE-35N-N-4-06

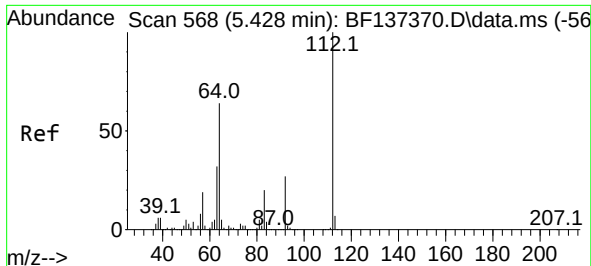
Tgt Ion:152 Resp: 211202
Ion Ratio Lower Upper
152 100
150 161.8 125.7 188.5
115 66.5 49.8 74.8



#4
n-Nitrosodimethylamine
Concen: 5.174 ng
RT: 3.263 min Scan# 200
Delta R.T. -0.024 min
Lab File: BF137387.D
Acq: 26 Feb 2024 16:06

Tgt Ion: 42 Resp: 538
Ion Ratio Lower Upper
42 100
74 0.0 110.8 166.2#
44 288.9 6.0 9.0#

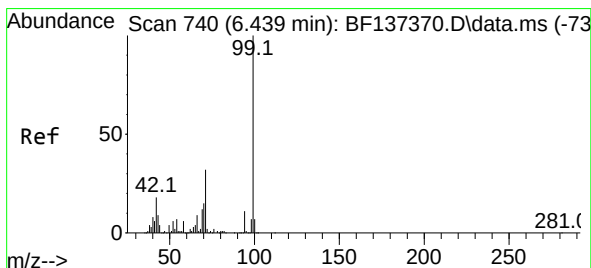
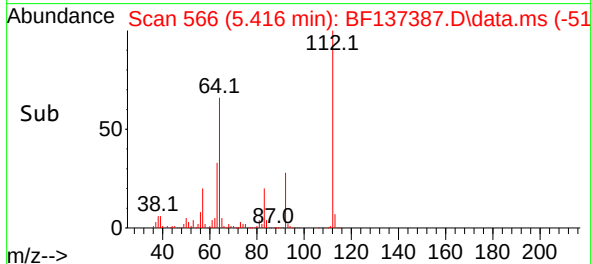
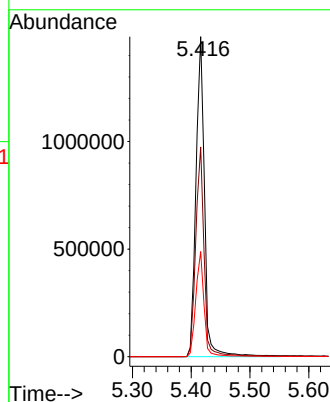
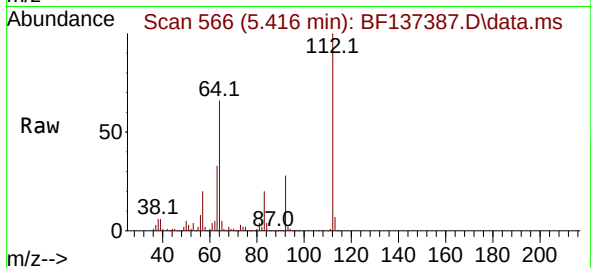




#5
2-Fluorophenol
Concen: 110.725 ng
RT: 5.416 min Scan# 501
Delta R.T. -0.012 min
Lab File: BF137387.D
Acq: 26 Feb 2024 16:06

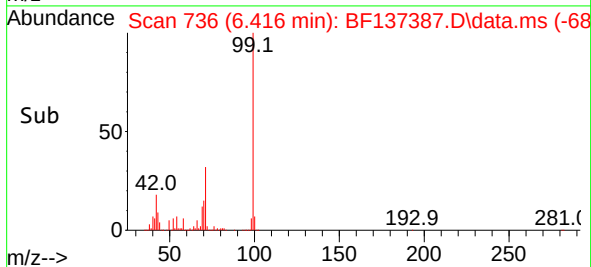
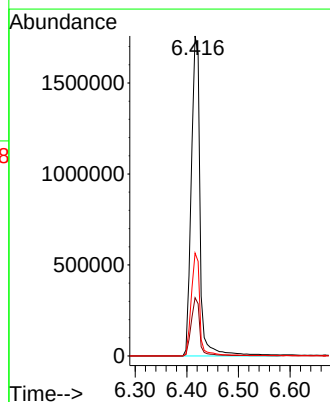
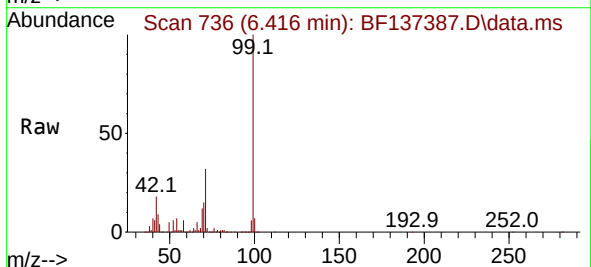
Instrument :
BNA_F
ClientSampleId :
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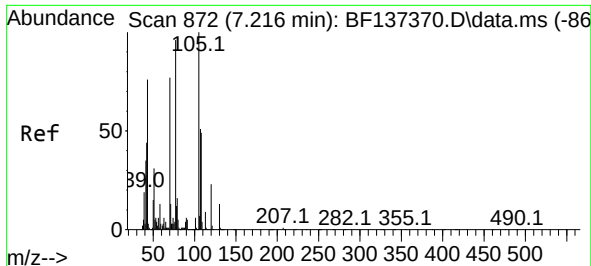
Tgt Ion:112 Resp: 1515547
Ion Ratio Lower Upper
112 100
64 65.6 51.0 76.6
63 32.8 25.7 38.5



#7
Phenol-d6
Concen: 103.660 ng
RT: 6.416 min Scan# 736
Delta R.T. -0.024 min
Lab File: BF137387.D
Acq: 26 Feb 2024 16:06

Tgt Ion: 99 Resp: 2087142
Ion Ratio Lower Upper
99 100
42 18.2 14.2 21.4
71 32.2 25.2 37.8

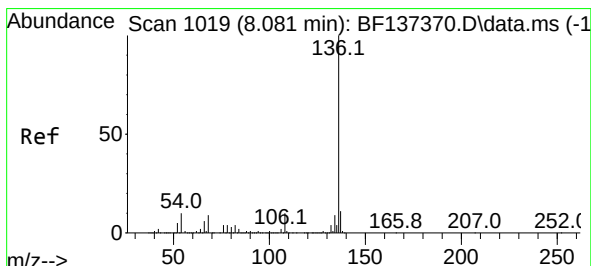
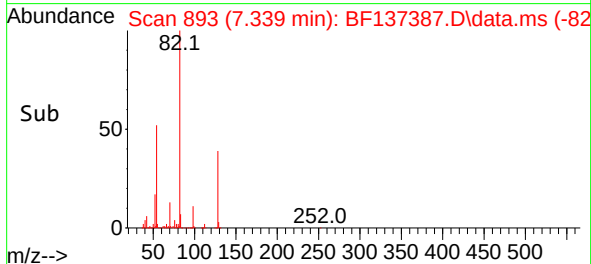
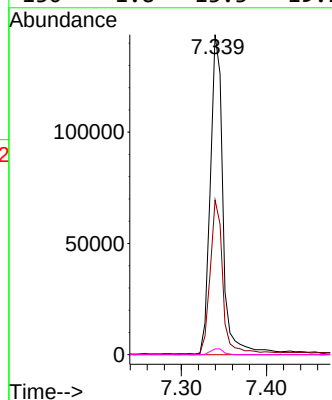
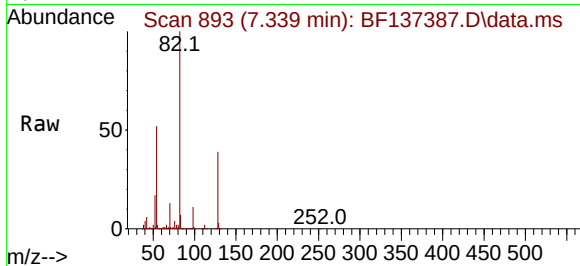




#19
n-Nitroso-di-n-propylamine
Concen: 12.072 ng
RT: 7.339 min Scan# 89
Delta R.T. 0.124 min
Lab File: BF137387.D
Acq: 26 Feb 2024 16:06

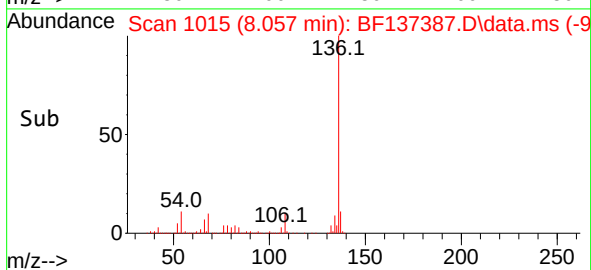
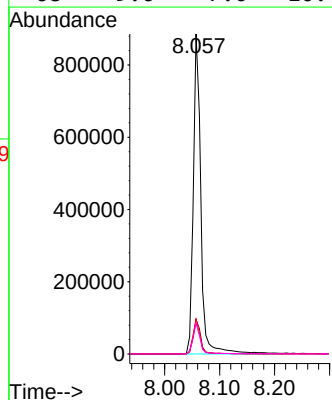
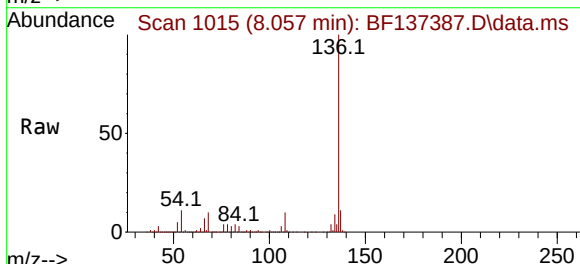
Instrument :
BNA_F
ClientSampleId :
20241101-COMPOSITE-35N-N-4-06

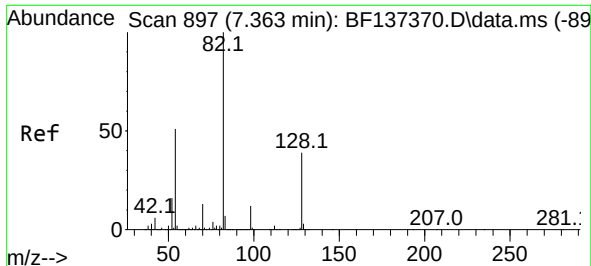
Tgt Ion: 70 Resp: 149784
Ion Ratio Lower Upper
70 100
42 48.3 45.3 67.9
101 0.0 6.5 9.7#
130 1.8 13.3 19.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.024 min
Lab File: BF137387.D
Acq: 26 Feb 2024 16:06

Tgt Ion:136 Resp: 841126
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.4
54 10.9 7.8 11.6
68 9.6 7.0 10.4





#23

Nitrobenzene-d5

Concen: 68.517 ng

RT: 7.339 min Scan# 893

Delta R.T. -0.024 min

Lab File: BF137387.D

Acq: 26 Feb 2024 16:06

Instrument :

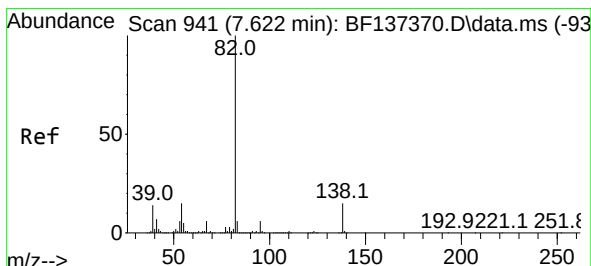
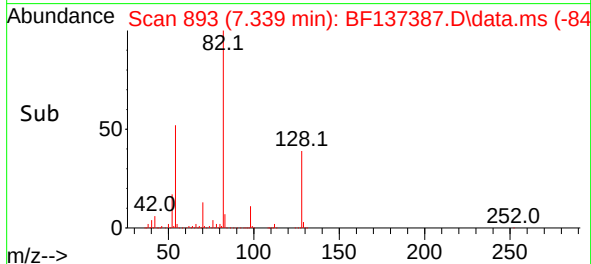
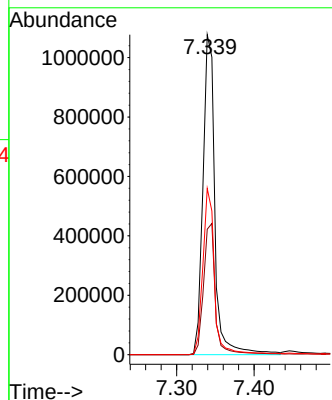
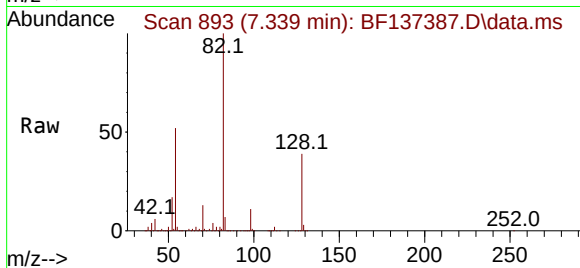
BNA_F

ClientSampleId :

20241101-COMPOSITE-35N-N-4-06

Tgt Ion: 82 Resp: 1154378

Ion	Ratio	Lower	Upper
82	100		
128	39.2	30.8	46.2
54	51.9	40.8	61.2



#25

Isophorone

Concen: 33.130 ng

RT: 7.339 min Scan# 893

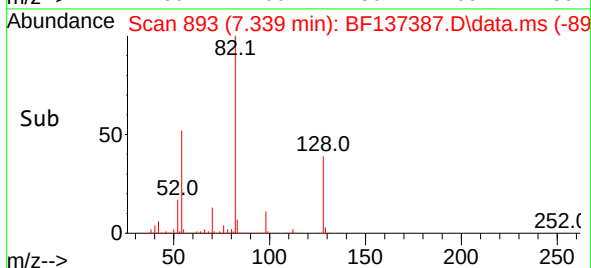
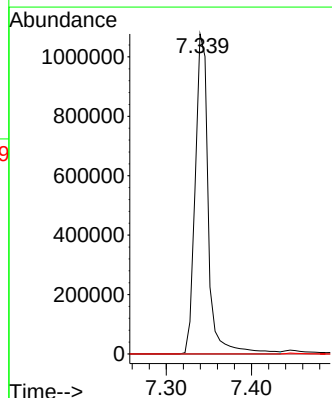
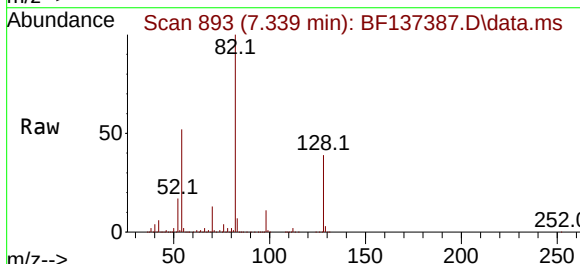
Delta R.T. -0.282 min

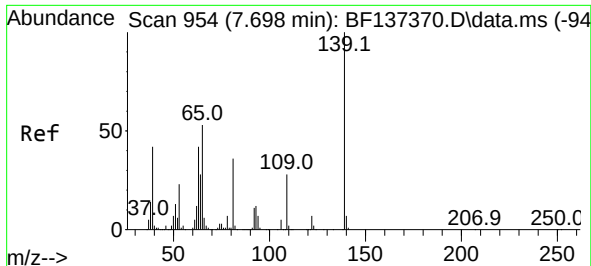
Lab File: BF137387.D

Acq: 26 Feb 2024 16:06

Tgt Ion: 82 Resp: 1154283

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

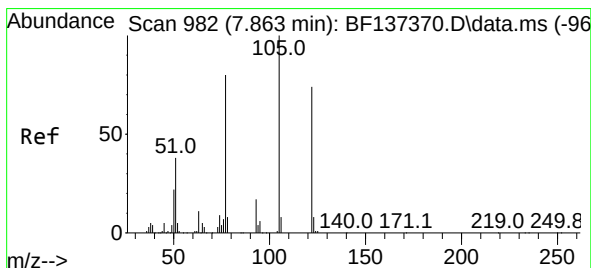
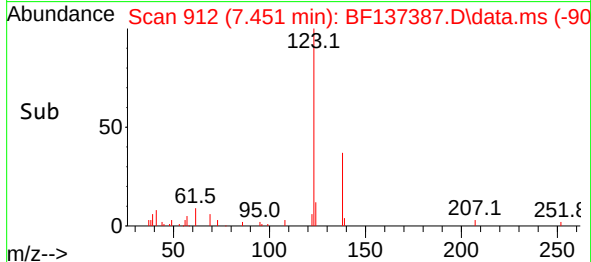
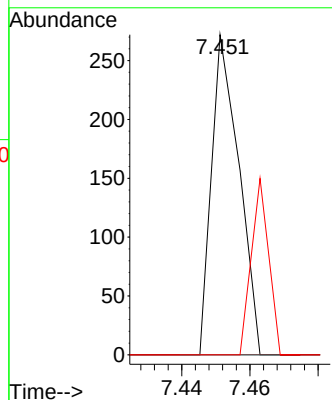
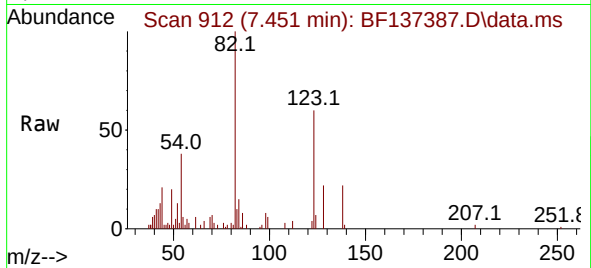




#26
2-Nitrophenol
Concen: 2.924 ng
RT: 7.451 min Scan# 91
Delta R.T. -0.247 min
Lab File: BF137387.D
Acq: 26 Feb 2024 16:06

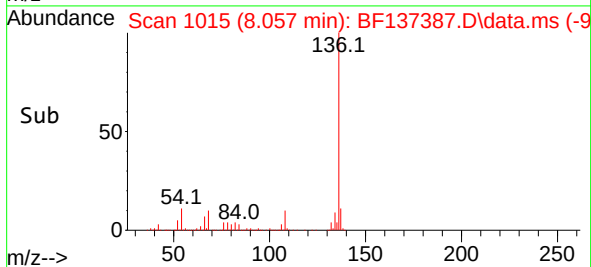
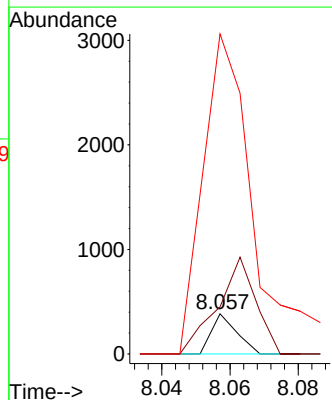
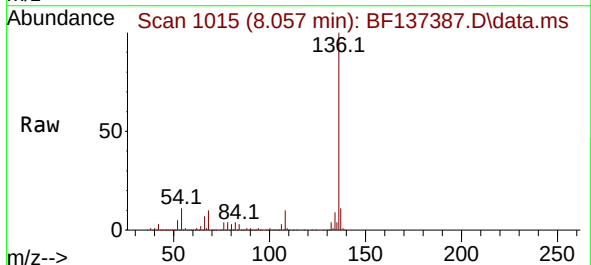
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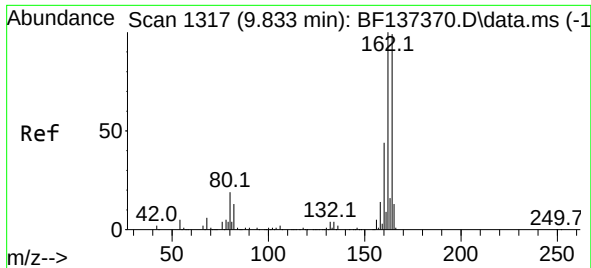
Tgt Ion:139 Resp: 151
Ion Ratio Lower Upper
139 100
109 0.0 22.5 33.7#
65 0.0 42.3 63.5#



#32
Benzoic acid
Concen: 6.972 ng
RT: 8.057 min Scan# 1015
Delta R.T. 0.194 min
Lab File: BF137387.D
Acq: 26 Feb 2024 16:06

Tgt Ion:122 Resp: 197
Ion Ratio Lower Upper
122 100
105 117.2 101.1 141.1
77 797.1 82.8 122.8#

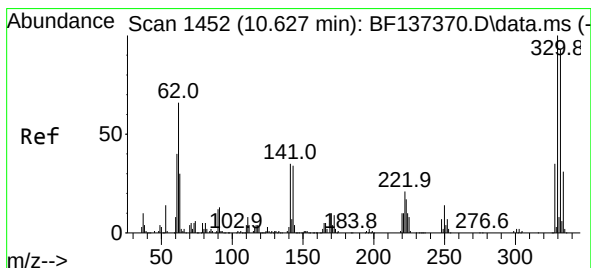
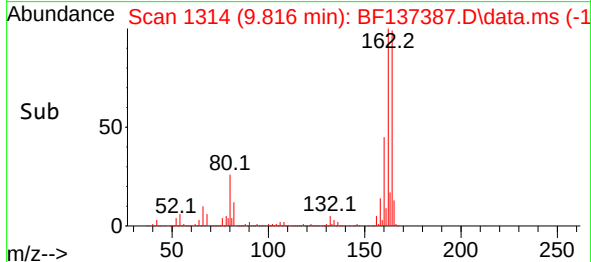
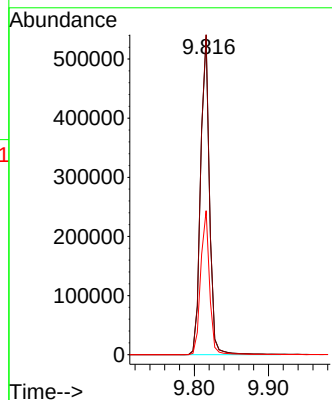
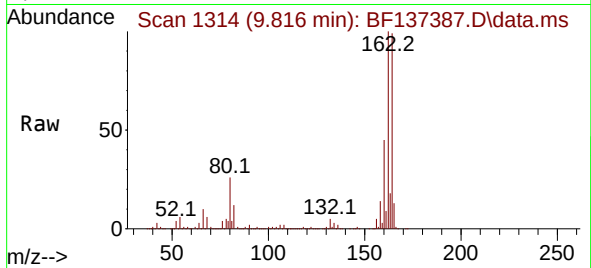




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF137387.D
Acq: 26 Feb 2024 16:06

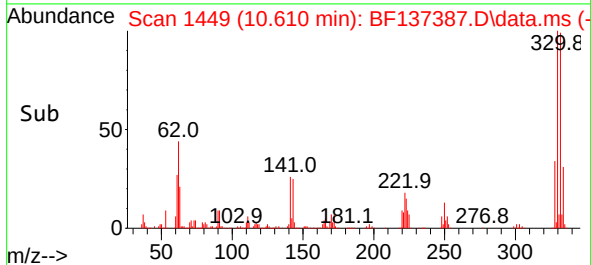
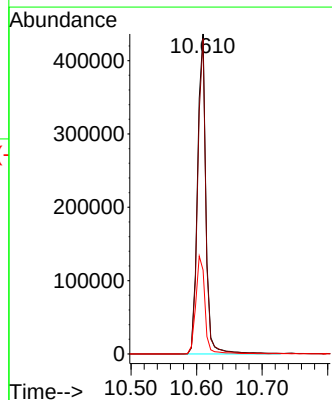
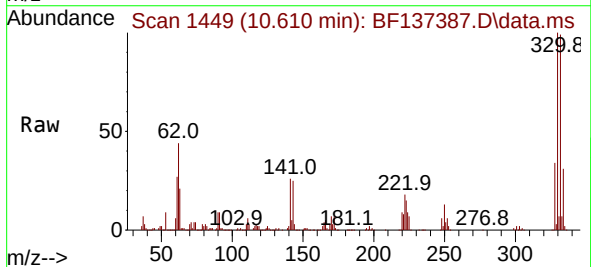
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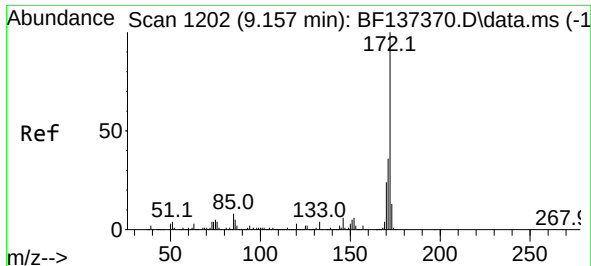
Tgt Ion:164 Resp: 444419
Ion Ratio Lower Upper
164 100
162 101.3 81.2 121.8
160 45.5 35.7 53.5



#42
2,4,6-Tribromophenol
Concen: 100.000 ng
RT: 10.610 min Scan# 1449
Delta R.T. -0.018 min
Lab File: BF137387.D
Acq: 26 Feb 2024 16:06

Tgt Ion:330 Resp: 387001
Ion Ratio Lower Upper
330 100
332 96.9 75.6 113.4
141 33.6 28.6 42.8

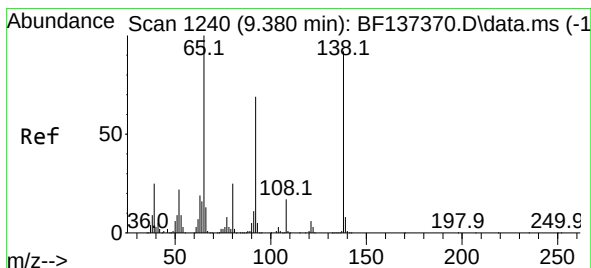
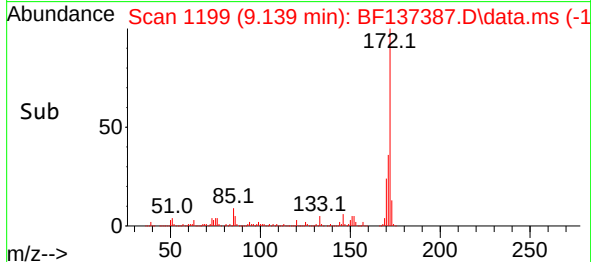
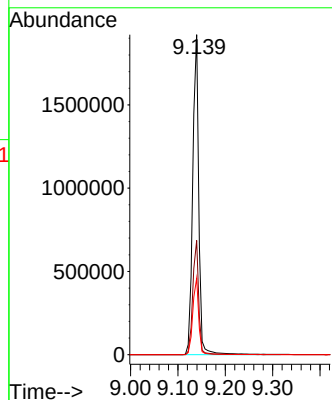
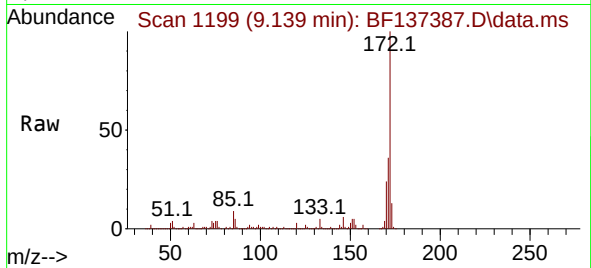




#45
2-Fluorobiphenyl
Concen: 59.662 ng
RT: 9.139 min Scan# 1199
Delta R.T. -0.018 min
Lab File: BF137387.D
Acq: 26 Feb 2024 16:06

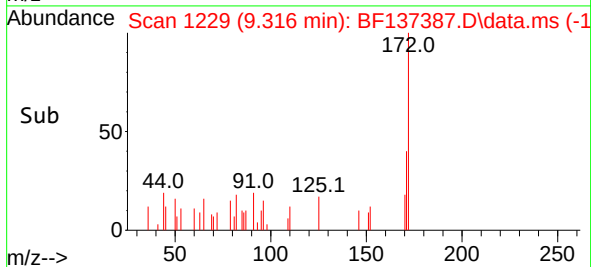
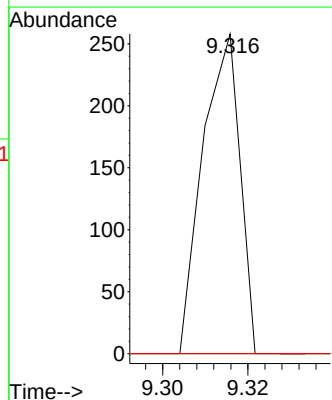
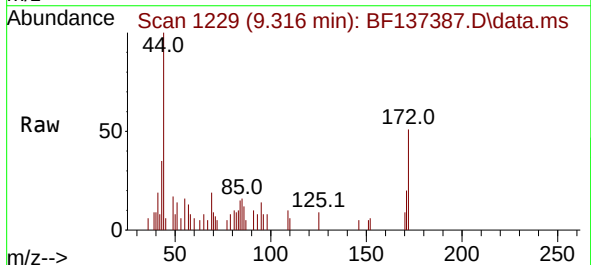
Instrument : BNA_F
ClientSampleId : 20241101-COMPOSITE-35N-N-4-06

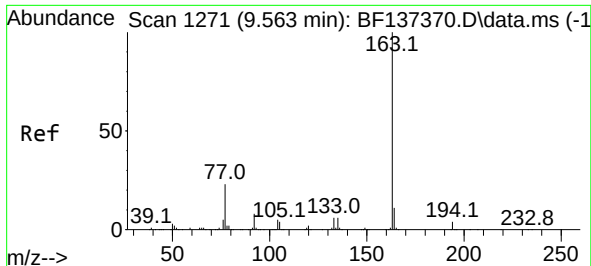
Tgt Ion:172 Resp: 1703119
Ion Ratio Lower Upper
172 100
171 35.7 28.7 43.1
170 23.9 19.5 29.3



#48
2-Nitroaniline
Concen: 4.262 ng
RT: 9.316 min Scan# 1229
Delta R.T. -0.064 min
Lab File: BF137387.D
Acq: 26 Feb 2024 16:06

Tgt Ion: 65 Resp: 156
Ion Ratio Lower Upper
65 100
92 0.0 55.0 82.6#
138 0.0 73.7 110.5#

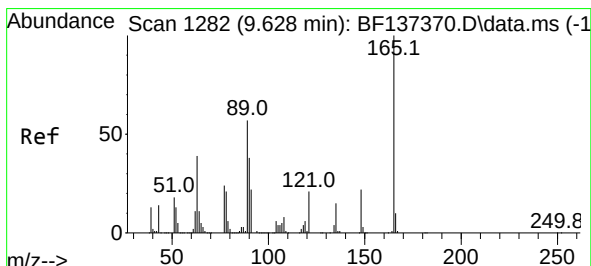
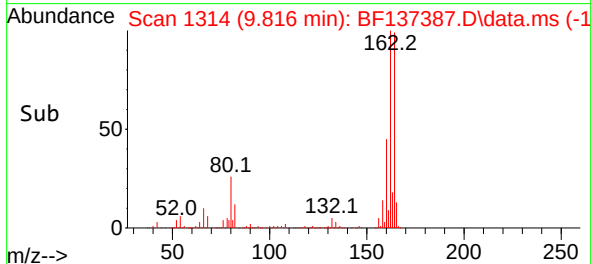
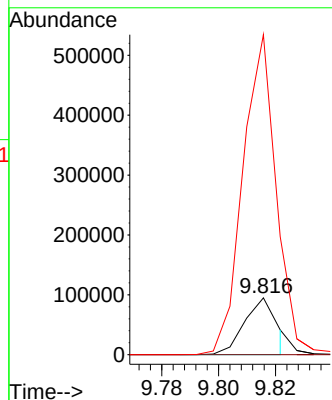
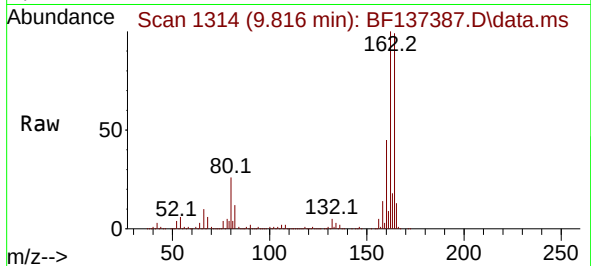




#50
Dimethylphthalate
Concen: 2.430 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.253 min
Lab File: BF137387.D
Acq: 26 Feb 2024 16:06

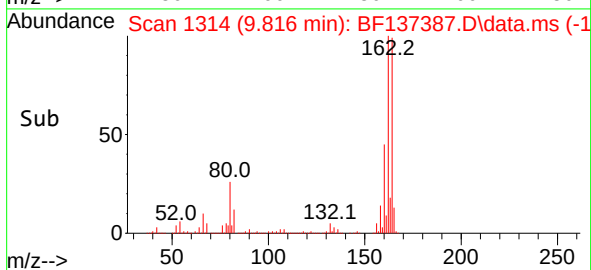
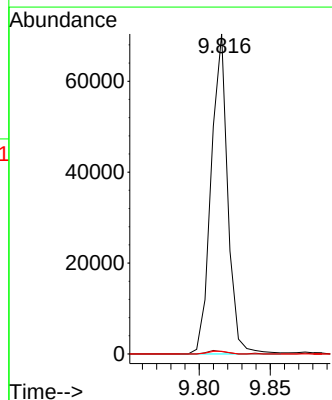
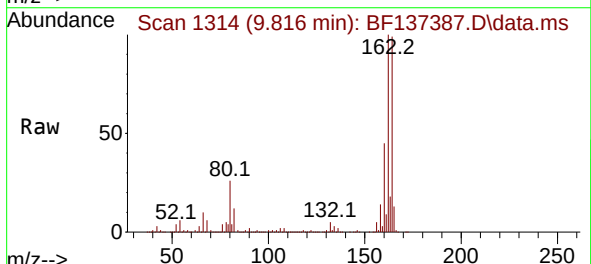
Instrument :
BNA_F
ClientSampleId :
20241101-COMPOSITE-35N-N-4-06

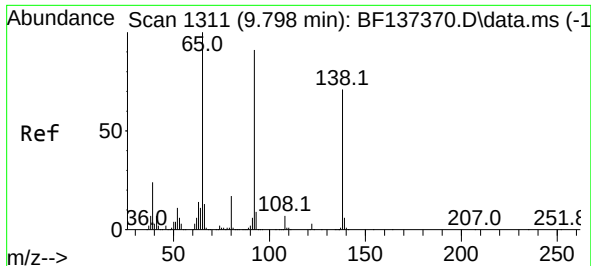
Tgt Ion:163 Resp: 74614
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.4#
164 563.7 8.5 12.7#



#51
2,6-Dinitrotoluene
Concen: 10.035 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.188 min
Lab File: BF137387.D
Acq: 26 Feb 2024 16:06

Tgt Ion:165 Resp: 57333
Ion Ratio Lower Upper
165 100
63 0.8 41.6 62.4#
89 0.9 45.8 68.6#

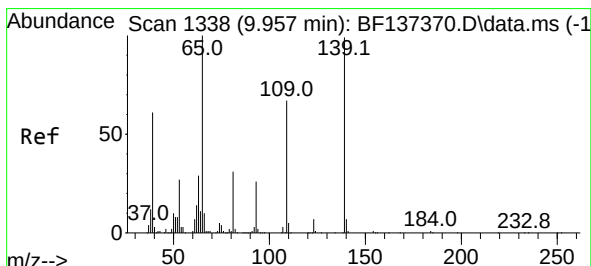
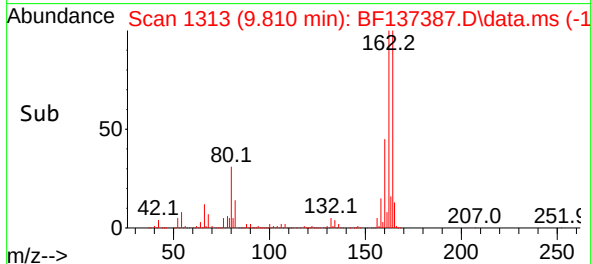
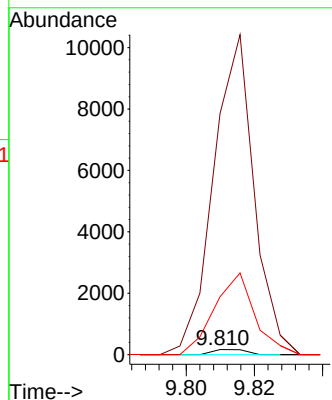
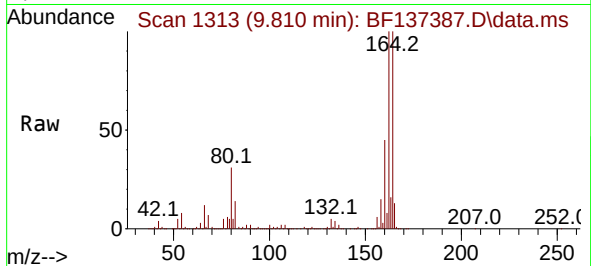




#53
3-Nitroaniline
Concen: 2.377 ng
RT: 9.810 min Scan# 111
Delta R.T. 0.012 min
Lab File: BF137387.D
Acq: 26 Feb 2024 16:06

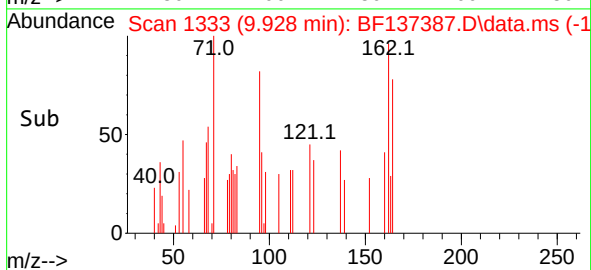
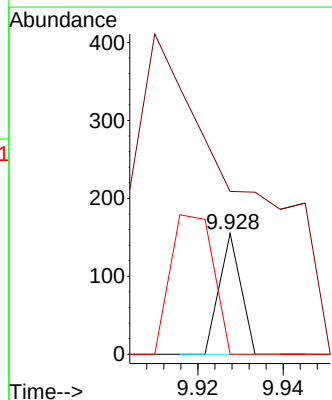
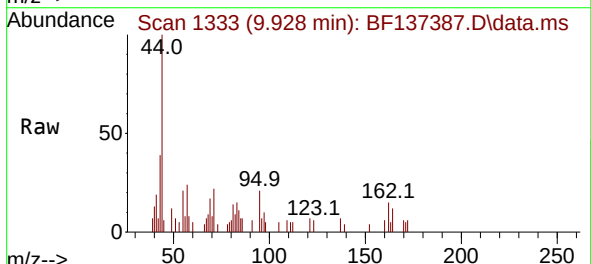
Instrument :
BNA_F
ClientSampleId :
20241101-COMPOSITE-35N-N-4-06

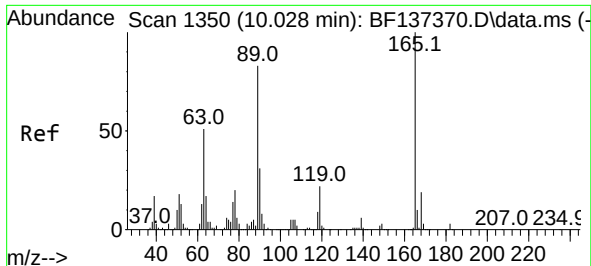
Tgt Ion:138 Resp: 116
Ion Ratio Lower Upper
138 100
108 4730.1 8.2 12.2#
92 1136.1 102.2 153.2#



#56
4-Nitrophenol
Concen: 4.849 ng
RT: 9.928 min Scan# 1333
Delta R.T. -0.029 min
Lab File: BF137387.D
Acq: 26 Feb 2024 16:06

Tgt Ion:139 Resp: 55
Ion Ratio Lower Upper
139 100
109 134.8 48.0 88.0#
65 0.0 82.2 122.2#

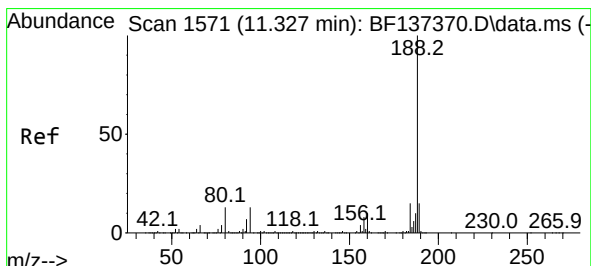
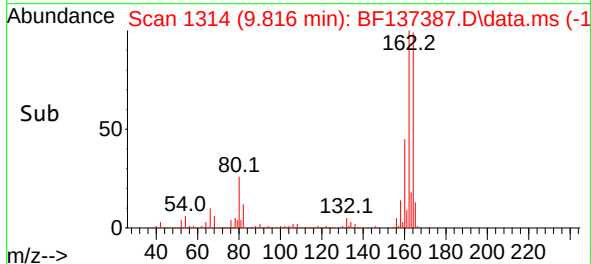
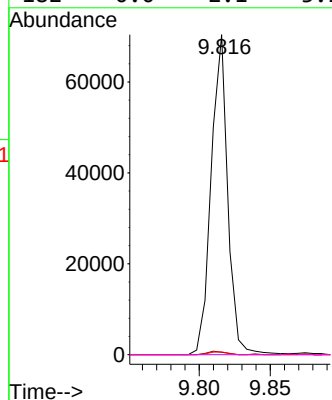
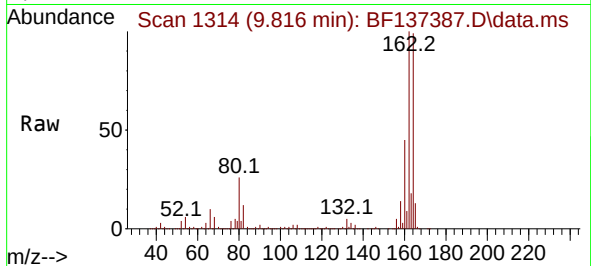




#57
2,4-Dinitrotoluene
Concen: 8.825 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.212 min
Lab File: BF137387.D
Acq: 26 Feb 2024 16:06

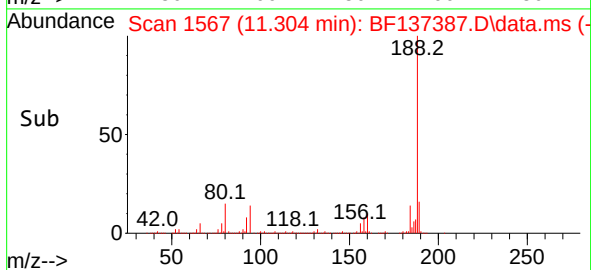
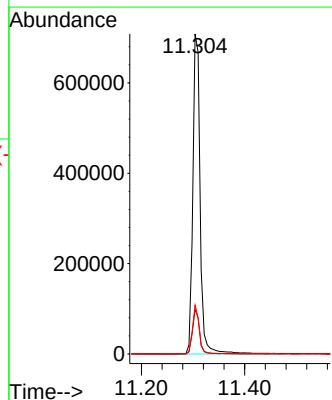
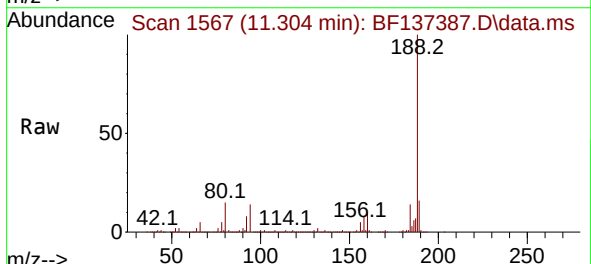
Instrument :
BNA_F
ClientSampleId :
20241101-COMPOSITE-35N-N-4-06

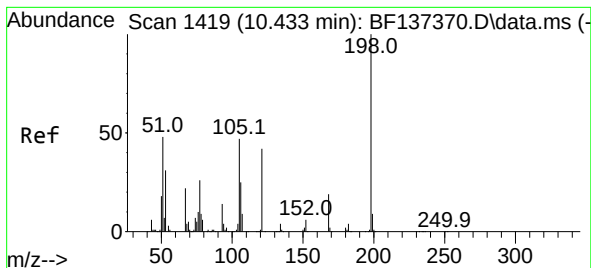
Tgt Ion:165 Resp: 57333
Ion Ratio Lower Upper
165 100
63 0.8 41.1 61.7#
89 0.9 66.6 100.0#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 1567
Delta R.T. -0.024 min
Lab File: BF137387.D
Acq: 26 Feb 2024 16:06

Tgt Ion:188 Resp: 697610
Ion Ratio Lower Upper
188 100
94 13.9 10.2 15.2
80 15.3 10.7 16.1

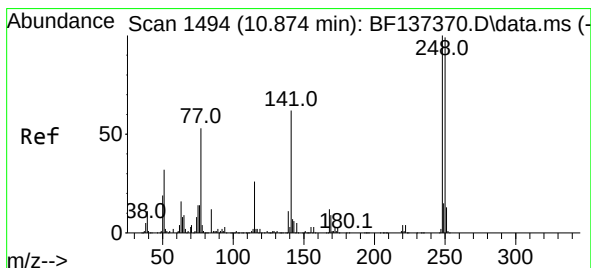
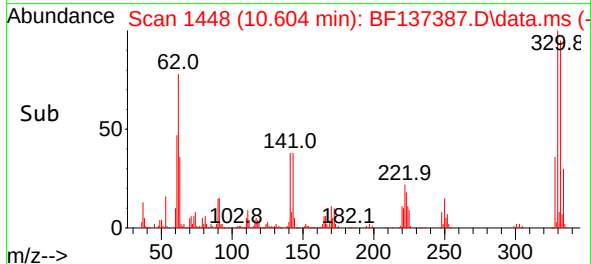
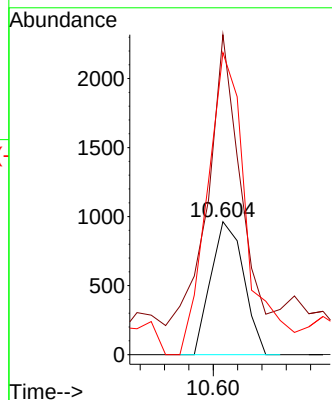
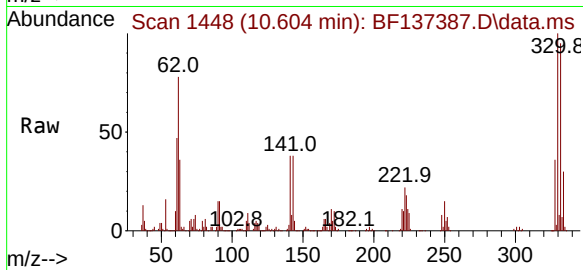




#65
4,6-Dinitro-2-methylphenol
Concen: 4.746 ng
RT: 10.604 min Scan# 1419
Delta R.T. 0.171 min
Lab File: BF137387.D
Acq: 26 Feb 2024 16:06

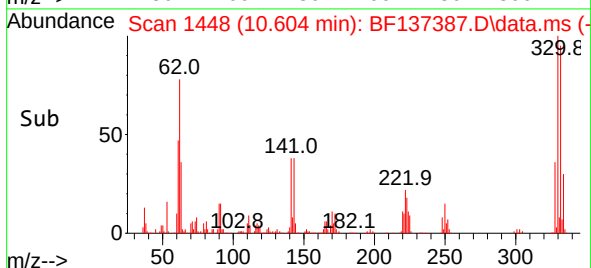
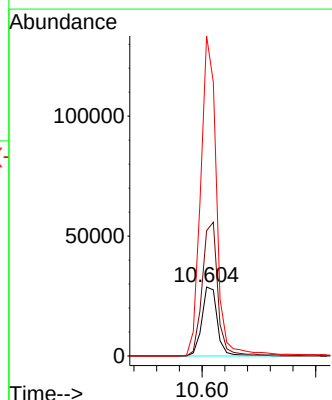
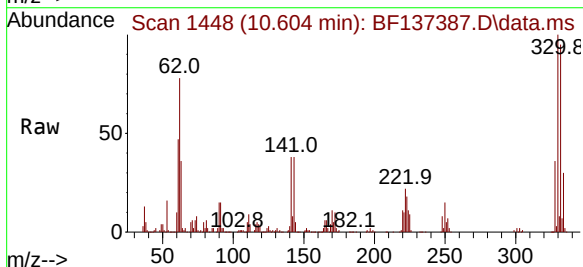
Instrument :
BNA_F
ClientSampleId :
20241101-COMPOSITE-35N-N-4-06

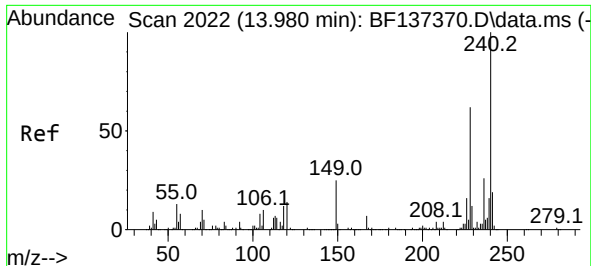
Tgt Ion:198 Resp: 904
Ion Ratio Lower Upper
198 100
51 240.7 36.8 76.8#
105 227.2 28.5 68.5#



#67
4-Bromophenyl-phenylether
Concen: 3.628 ng
RT: 10.604 min Scan# 1448
Delta R.T. -0.271 min
Lab File: BF137387.D
Acq: 26 Feb 2024 16:06

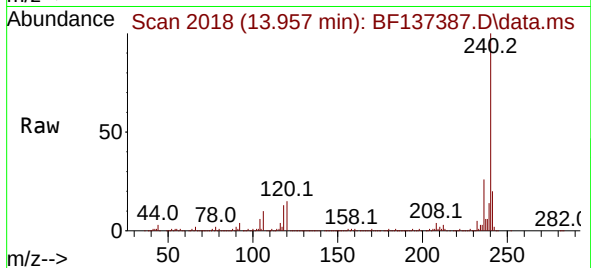
Tgt Ion:248 Resp: 27211
Ion Ratio Lower Upper
248 100
250 181.6 79.0 118.6#
141 463.8 49.9 74.9#



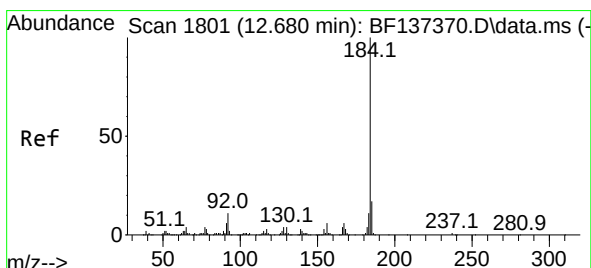
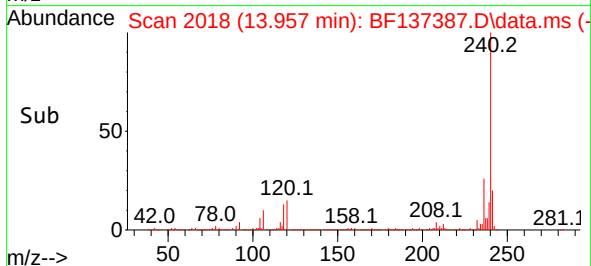
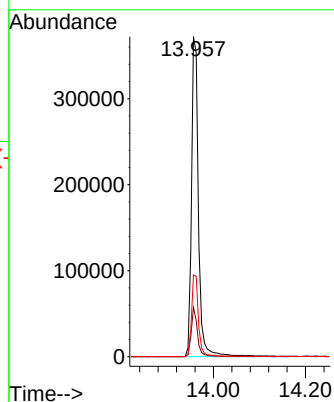


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 20
Delta R.T. -0.023 min
Lab File: BF137387.D
Acq: 26 Feb 2024 16:06

Instrument :
BNA_F
ClientSampleId :
20241101-COMPOSITE-35N-N-4-06

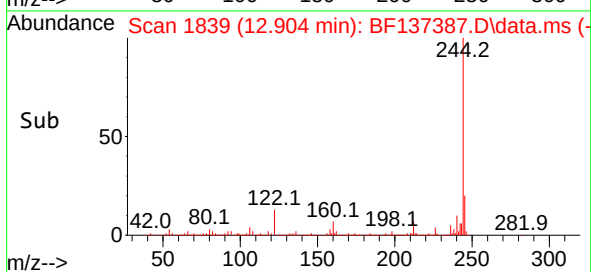
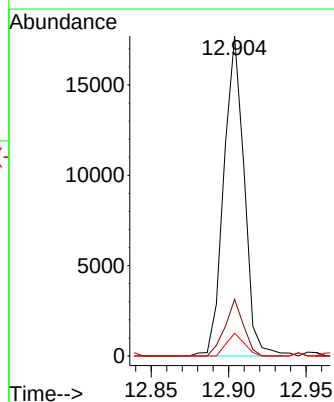
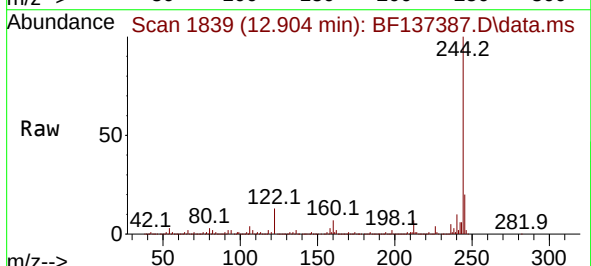


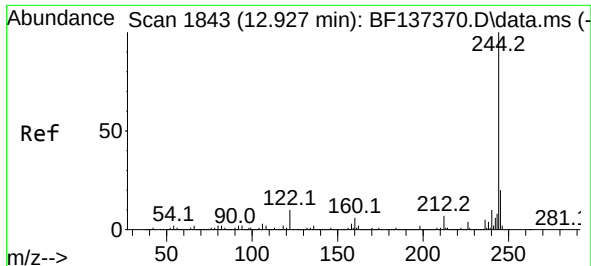
Tgt Ion:240 Resp: 388497
Ion Ratio Lower Upper
240 100
120 15.4 11.3 16.9
236 25.6 20.5 30.7



#77
Benzidine
Concen: 9.022 ng
RT: 12.904 min Scan# 1839
Delta R.T. 0.224 min
Lab File: BF137387.D
Acq: 26 Feb 2024 16:06

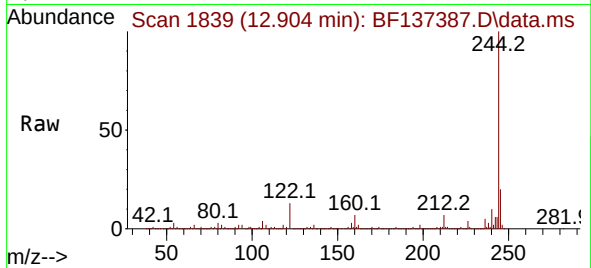
Tgt Ion:184 Resp: 16187
Ion Ratio Lower Upper
184 100
185 17.7 13.7 20.5
183 7.1 8.8 13.2#



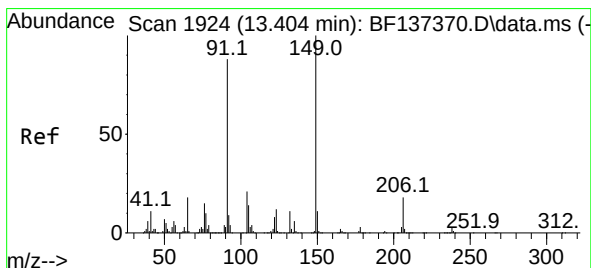
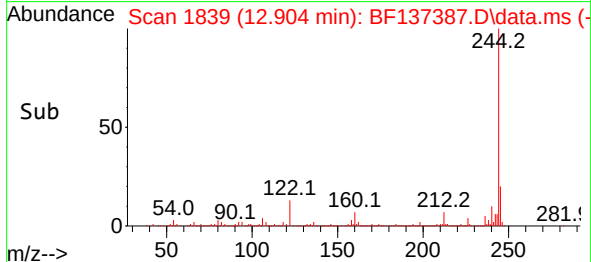
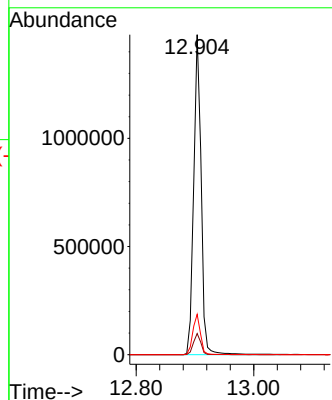


#79
 Terphenyl-d14
 Concen: 47.025 ng
 RT: 12.904 min Scan# 1839
 Delta R.T. -0.024 min
 Lab File: BF137387.D
 Acq: 26 Feb 2024 16:06

Instrument :
 BNA_F
 ClientSampleId :
 20241101-COMPOSITE-35N-N-4-06

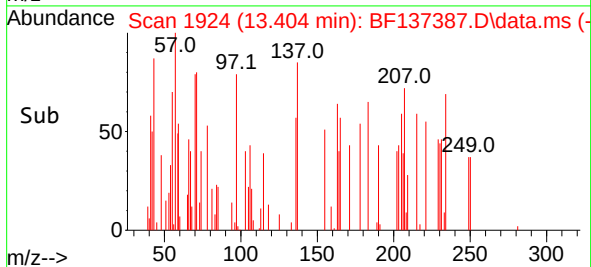
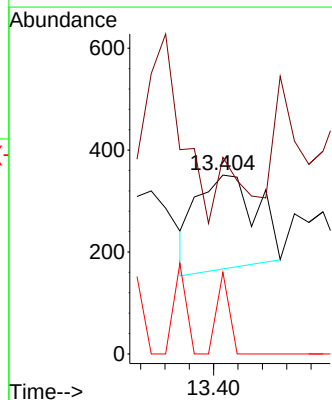
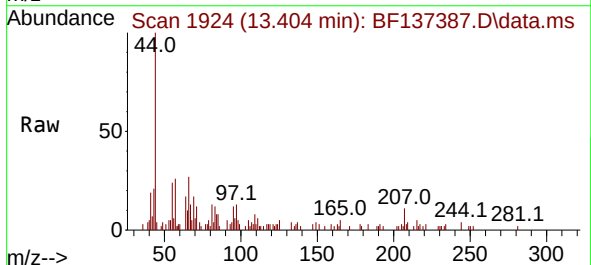


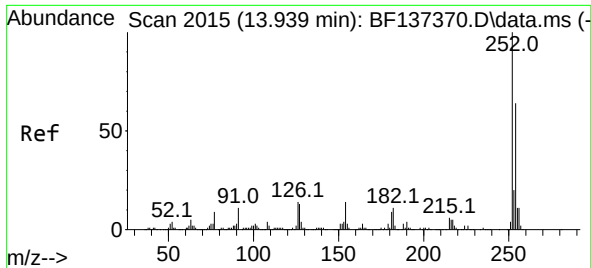
Tgt Ion:244 Resp: 1306175
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.3 7.9
 122 12.6 8.2 12.4#



#80
 Butylbenzylphthalate
 Concen: 4.056 ng
 RT: 13.404 min Scan# 1924
 Delta R.T. -0.000 min
 Lab File: BF137387.D
 Acq: 26 Feb 2024 16:06

Tgt Ion:149 Resp: 317
 Ion Ratio Lower Upper
 149 100
 91 110.0 70.5 105.7#
 206 45.6 14.8 22.2#

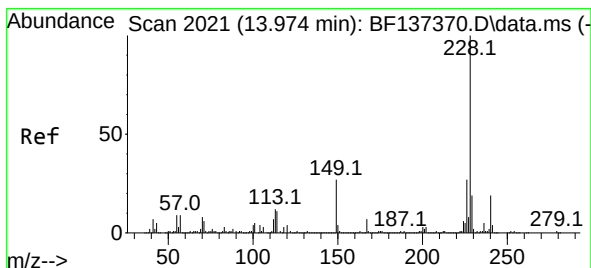
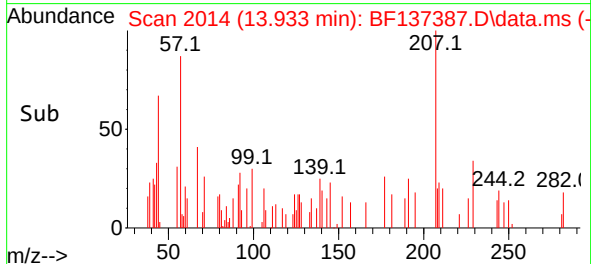
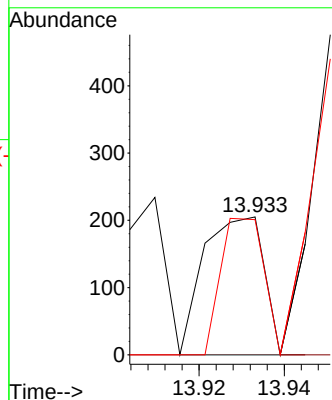
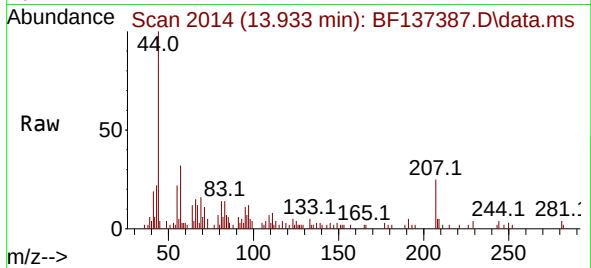




#82
 3,3'-Dichlorobenzidine
 Concen: 5.062 ng
 RT: 13.933 min Scan# 2015
 Delta R.T. -0.006 min
 Lab File: BF137387.D
 Acq: 26 Feb 2024 16:06

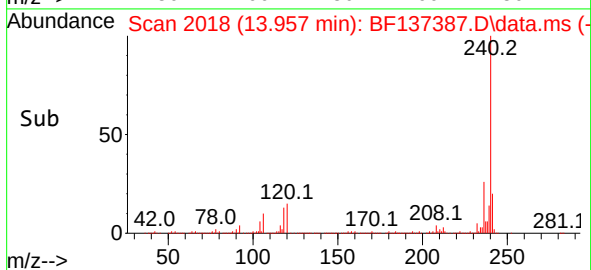
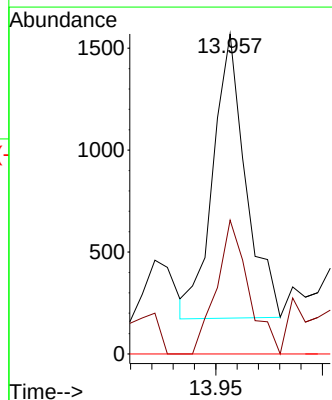
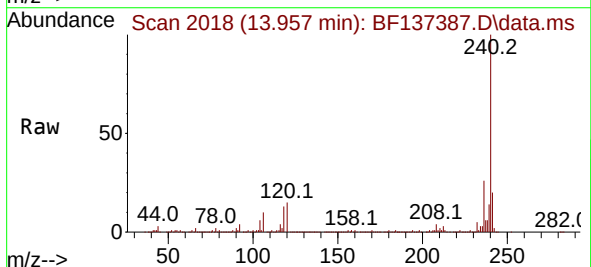
Instrument : BNA_F
 ClientSampleId : 20241101-COMPOSITE-35N-N-4-06

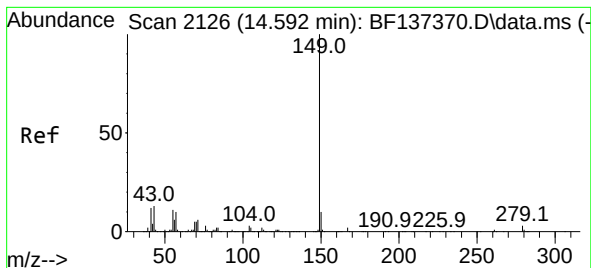
Tgt Ion:252	Resp:	201
Ion Ratio	Lower	Upper
252	100	
254	0.0	51.2 76.8#
126	98.0	11.1 16.7#



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 4.334 ng
 RT: 13.957 min Scan# 2018
 Delta R.T. -0.017 min
 Lab File: BF137387.D
 Acq: 26 Feb 2024 16:06

Tgt Ion:149	Resp:	1486
Ion Ratio	Lower	Upper
149	100	
167	41.8	20.6 31.0#
279	0.0	2.7 4.1#





#85

Di-n-octyl phthalate

Concen: 6.009 ng

RT: 14.563 min Scan# 2126

Delta R.T. -0.029 min

Lab File: BF137387.D

Acq: 26 Feb 2024 16:06

Instrument :

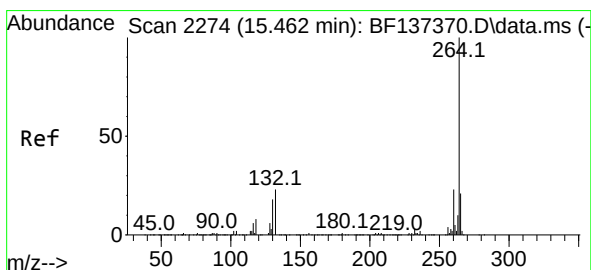
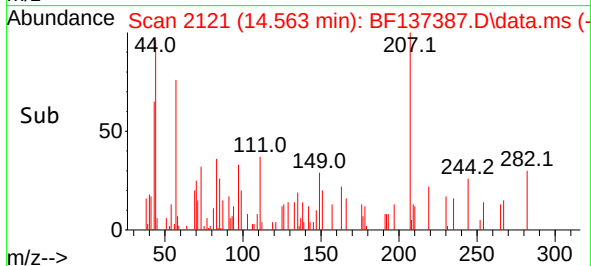
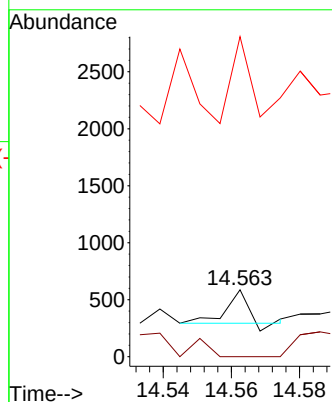
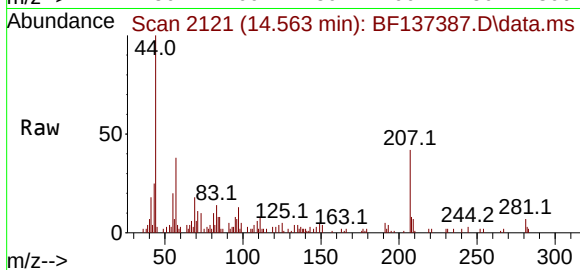
BNA_F

ClientSampleId :

20241101-COMPOSITE-35N-N-4-06

Tgt Ion:149 Resp: 124

Ion	Ratio	Lower	Upper
149	100		
167	0.0	1.2	1.8#
43	410.5	13.7	20.5#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.439 min Scan# 2270

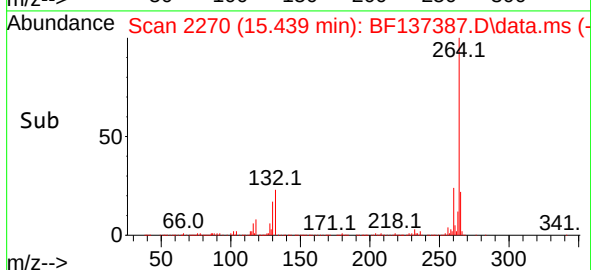
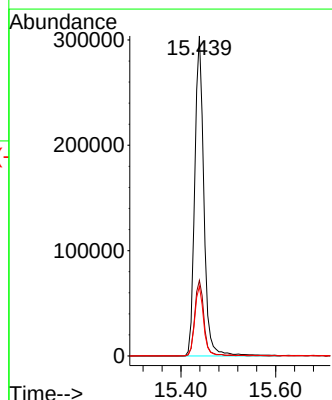
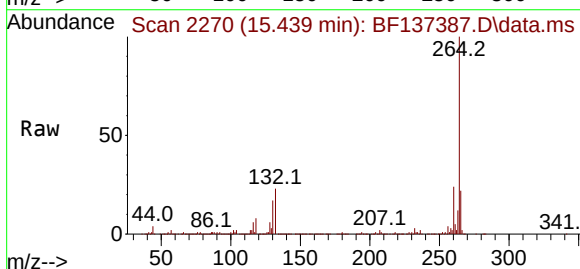
Delta R.T. -0.024 min

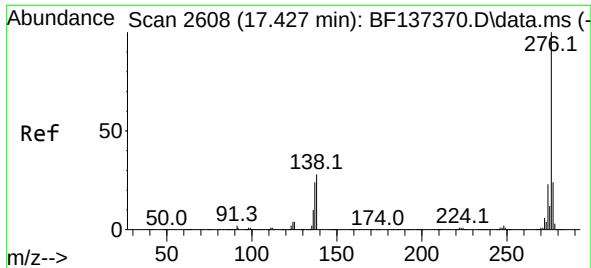
Lab File: BF137387.D

Acq: 26 Feb 2024 16:06

Tgt Ion:264 Resp: 408219

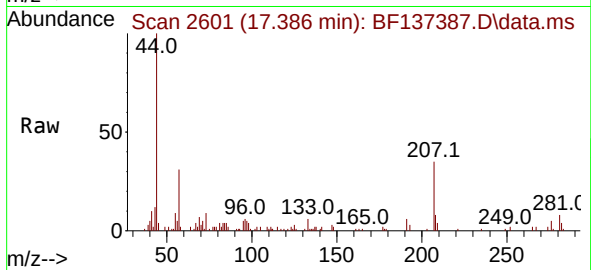
Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.5	27.7
265	21.8	16.9	25.3





#92
 Benzo(g,h,i)perylene
 Concen: 2.138 ng
 RT: 17.386 min Scan# 20
 Delta R.T. -0.041 min
 Lab File: BF137387.D
 Acq: 26 Feb 2024 16:06

Instrument :
 BNA_F
 ClientSampleId :
 20241101-COMPOSITE-35N-N-4-06



Tgt Ion:	276	Resp:	1711
Ion	Ratio	Lower	Upper
276	100		
277	26.1	19.0	28.4
138	44.5	22.6	33.8

