

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031124\
 Data File : BF137560.D
 Acq On : 11 Mar 2024 17:16
 Operator : CG\JU
 Sample : P1720-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT4196

Quant Time: Mar 12 02:05:11 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 12 02:00:03 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

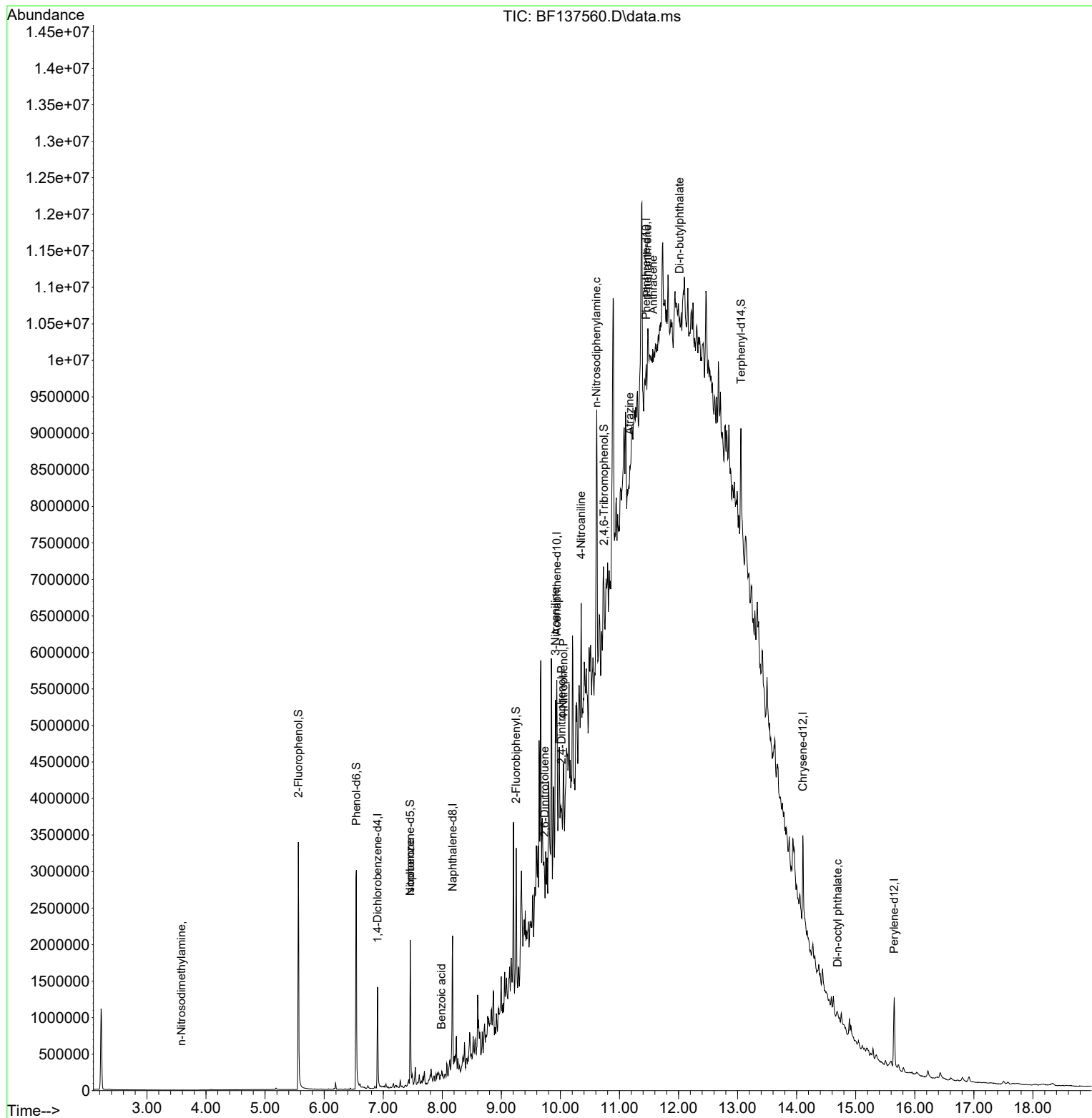
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	209258	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	792233	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	311871	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	337929	20.000	ng	0.02
76) Chrysene-d12	14.104	240	409766	20.000	ng	0.00
86) Perylene-d12	15.651	264	501773	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	917943	66.438	ng	0.00
7) Phenol-d6	6.546	99	1246673	62.509	ng	-0.01
23) Nitrobenzene-d5	7.457	82	653710	38.340	ng	-0.01
42) 2,4,6-Tribromophenol	10.739	330	150391	54.912	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	580521	29.138	ng	0.00
79) Terphenyl-d14	13.057	244	377726	12.676	ng	0.02
Target Compounds						
						Qvalue
4) n-Nitrosodimethylamine	3.581	42	205	3.834	ng	# 1
25) Isophorone	7.457	82	653710	20.181	ng	# 70
32) Benzoic acid	7.987	122	2010	6.537	ng	# 1
51) 2,6-Dinitrotoluene	9.734	165	9792	2.156	ng	# 42
53) 3-Nitroaniline	9.916	138	14243	2.965	ng	# 37
54) 2,4-Dinitrophenol	10.022	184	325	8.357	ng	# 1
56) 4-Nitrophenol	10.051	139	11968	7.831	ng	# 1
62) 4-Nitroaniline	10.351	138	20295	4.916	ng	# 88
66) n-Nitrosodiphenylamine	10.610	169	101313	9.310	ng	# 44
69) Atrazine	11.169	200	7779	2.352	ng	# 1
71) Phenanthrene	11.475	178	76735	4.172	ng	# 15
72) Anthracene	11.569	178	41408	2.192	ng	# 1
74) Di-n-butylphthalate	12.016	149	87798	4.561	ng	# 28
85) Di-n-octyl phthalate	14.692	149	18460	6.255	ng	# 1

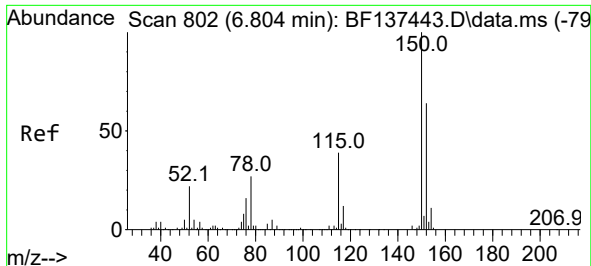
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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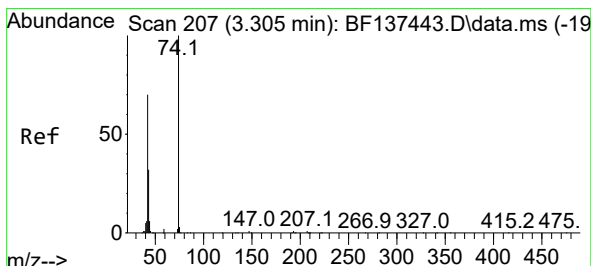
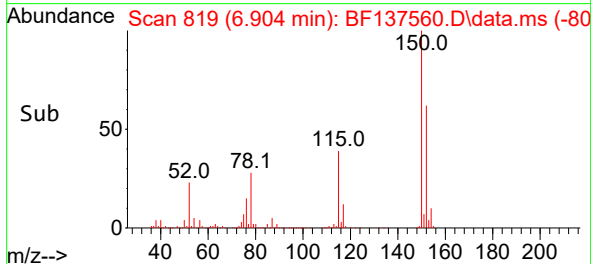
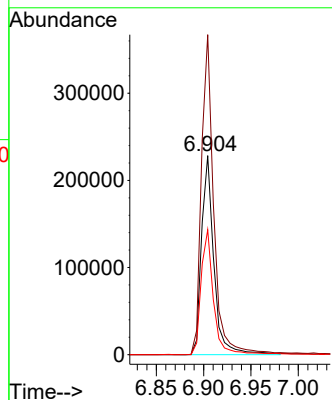
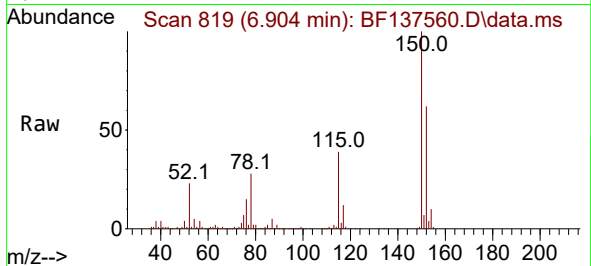




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF137560.D
Acq: 11 Mar 2024 17:16

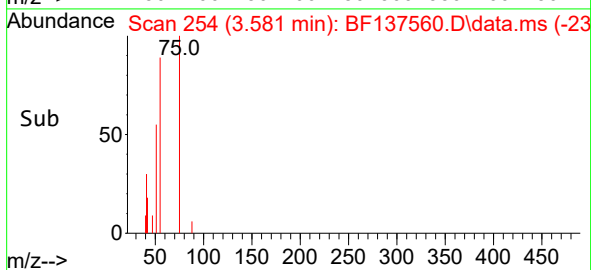
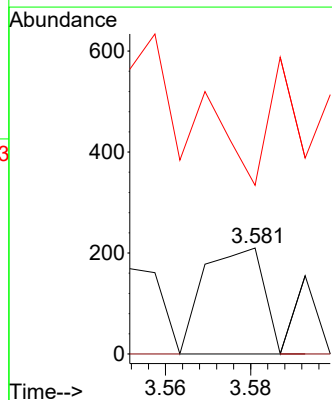
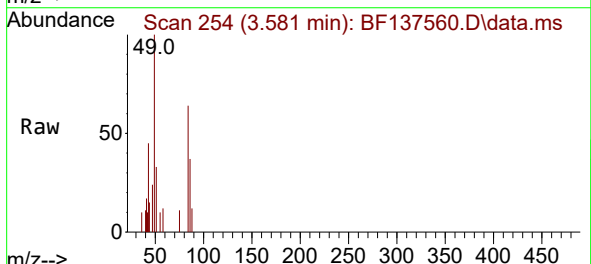
Instrument :
BNA_F
ClientSampleId :
RT4196

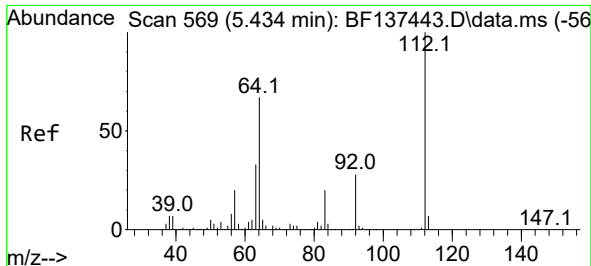
Tgt Ion:152 Resp: 209258
Ion Ratio Lower Upper
152 100
150 160.8 125.8 188.6
115 62.8 48.8 73.2



#4
n-Nitrosodimethylamine
Concen: 3.834 ng
RT: 3.581 min Scan# 254
Delta R.T. 0.012 min
Lab File: BF137560.D
Acq: 11 Mar 2024 17:16

Tgt Ion: 42 Resp: 205
Ion Ratio Lower Upper
42 100
74 0.0 114.0 171.0#
44 159.0 7.0 10.4#

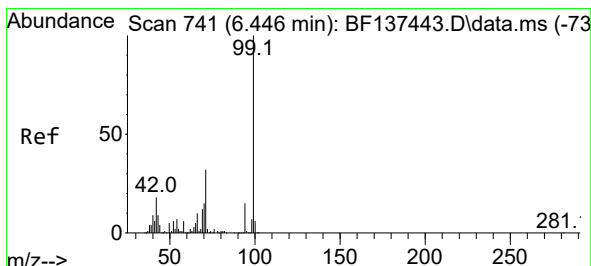
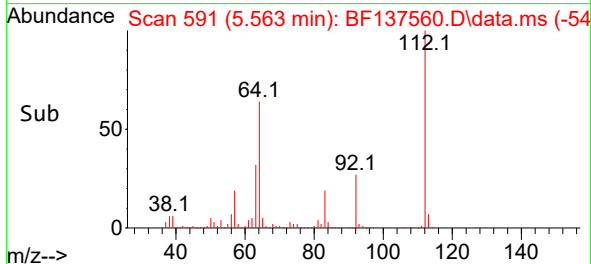
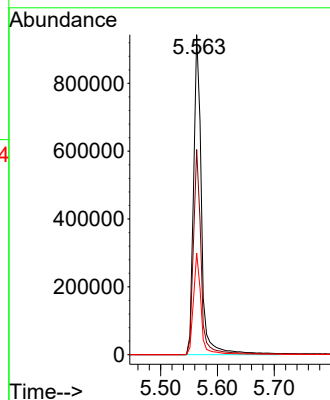
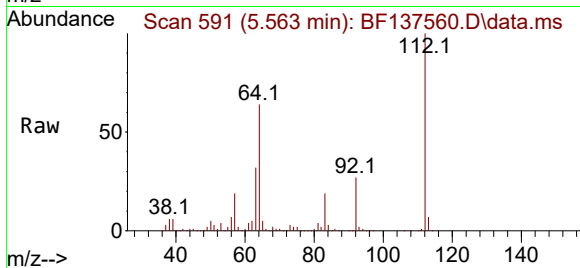




#5
2-Fluorophenol
Concen: 66.438 ng
RT: 5.563 min Scan# 51
Delta R.T. -0.006 min
Lab File: BF137560.D
Acq: 11 Mar 2024 17:16

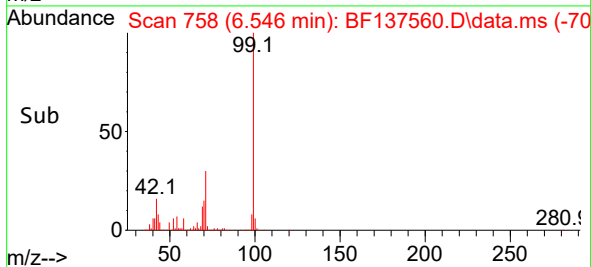
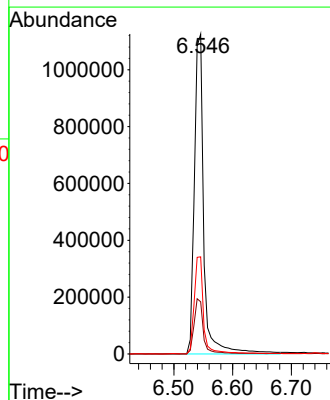
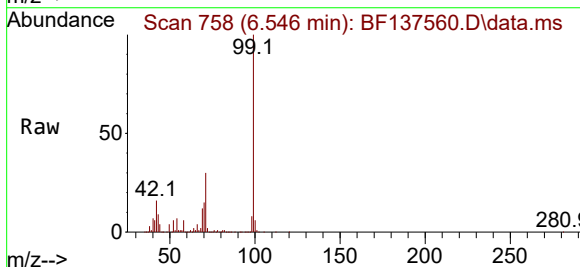
Instrument :
BNA_F
ClientSampleId :
RT4196

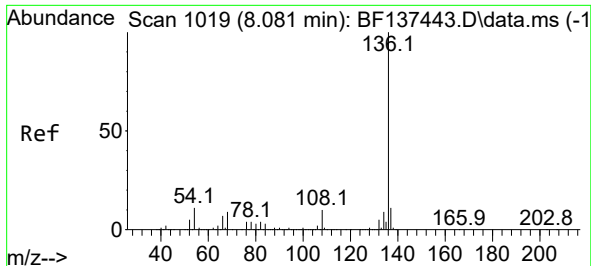
Tgt Ion:112 Resp: 917943
Ion Ratio Lower Upper
112 100
64 64.1 53.4 80.2
63 31.7 26.2 39.2



#7
Phenol-d6
Concen: 62.509 ng
RT: 6.546 min Scan# 758
Delta R.T. -0.012 min
Lab File: BF137560.D
Acq: 11 Mar 2024 17:16

Tgt Ion: 99 Resp: 1246673
Ion Ratio Lower Upper
99 100
42 16.3 14.6 21.8
71 30.4 25.3 37.9

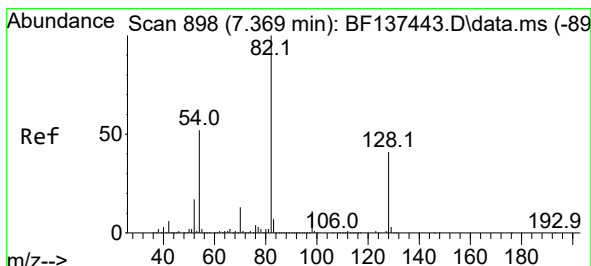
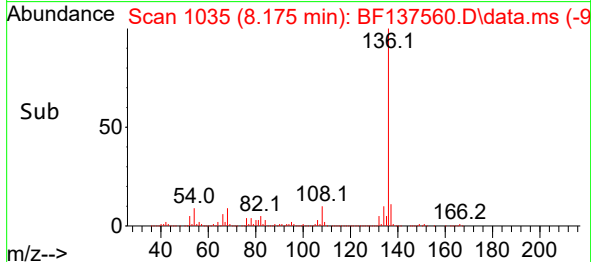
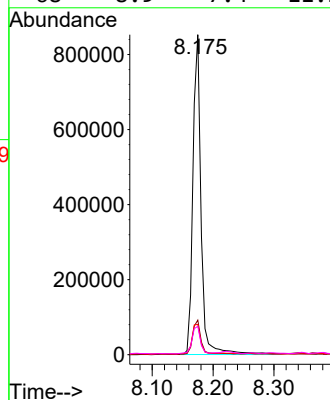
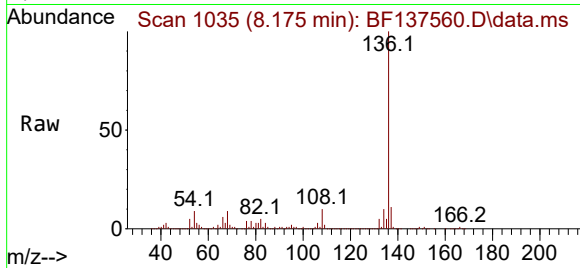




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF137560.D
Acq: 11 Mar 2024 17:16

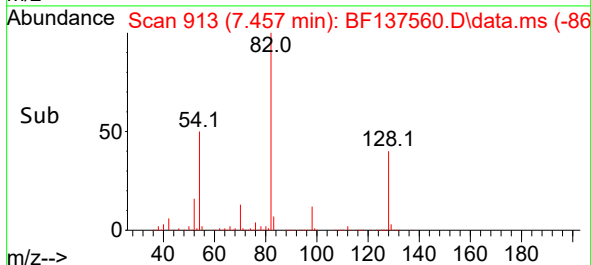
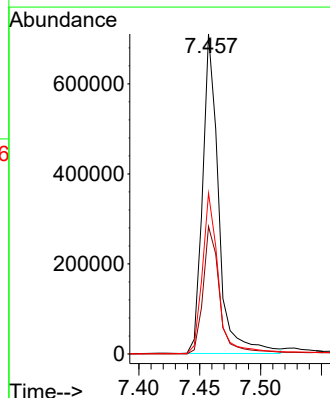
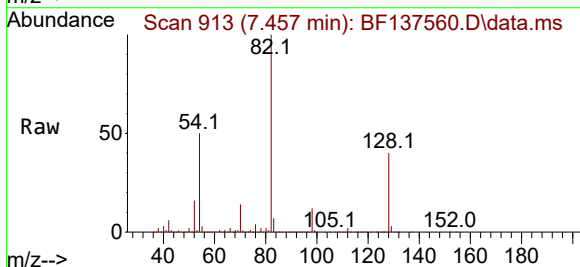
Instrument :
BNA_F
ClientSampleId :
RT4196

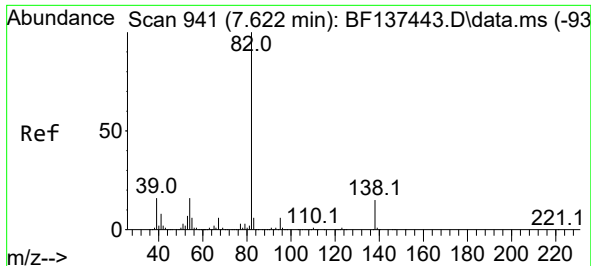
Tgt Ion:136 Resp: 792233
Ion Ratio Lower Upper
136 100
137 10.8 9.1 13.7
54 9.4 8.5 12.7
68 8.9 7.4 11.2



#23
Nitrobenzene-d5
Concen: 38.340 ng
RT: 7.457 min Scan# 913
Delta R.T. -0.012 min
Lab File: BF137560.D
Acq: 11 Mar 2024 17:16

Tgt Ion: 82 Resp: 653710
Ion Ratio Lower Upper
82 100
128 39.9 32.5 48.7
54 50.3 41.5 62.3

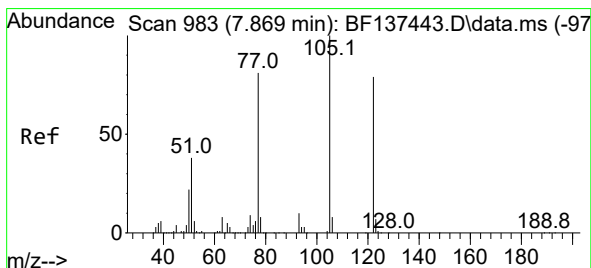
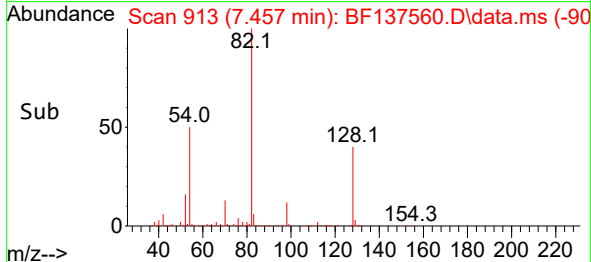
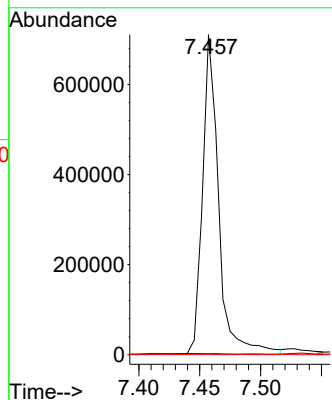
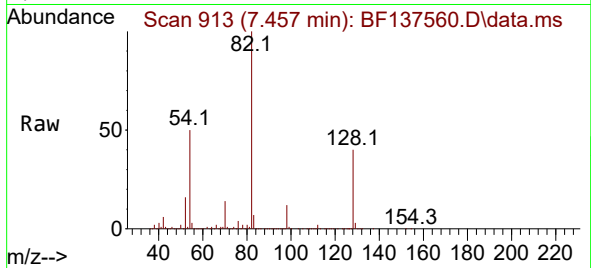




#25
Isophorone
Concen: 20.181 ng
RT: 7.457 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF137560.D
Acq: 11 Mar 2024 17:16

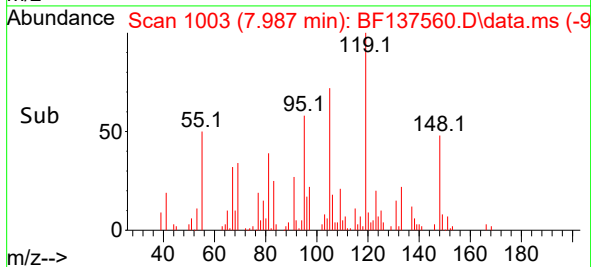
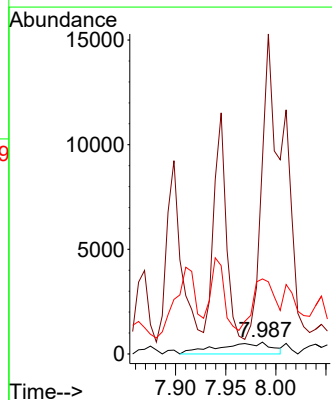
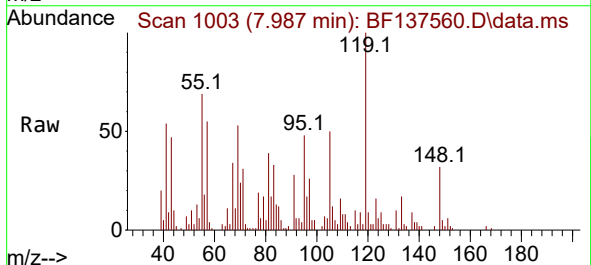
Instrument :
BNA_F
ClientSampleId :
RT4196

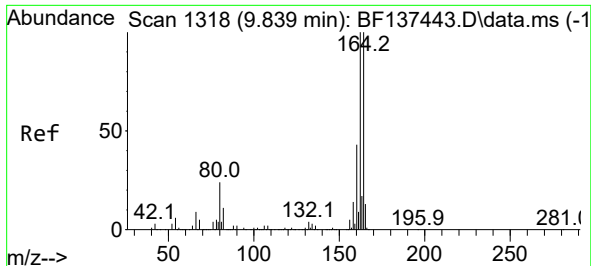
Tgt Ion: 82 Resp: 653710
Ion Ratio Lower Upper
82 100
95 0.3 5.1 7.7#
138 0.0 11.8 17.8#



#32
Benzoic acid
Concen: 6.537 ng
RT: 7.987 min Scan# 1003
Delta R.T. 0.006 min
Lab File: BF137560.D
Acq: 11 Mar 2024 17:16

Tgt Ion:122 Resp: 2010
Ion Ratio Lower Upper
122 100
105 1636.7 102.4 142.4#
77 632.1 81.1 121.1#

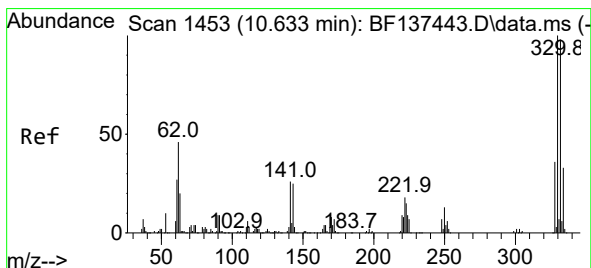
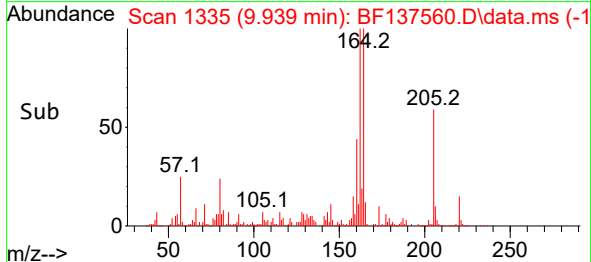
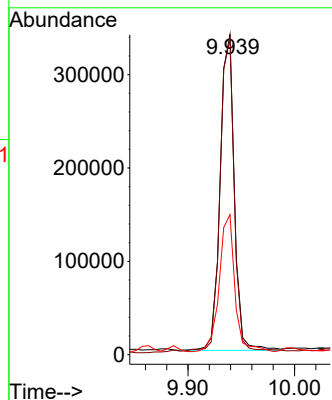
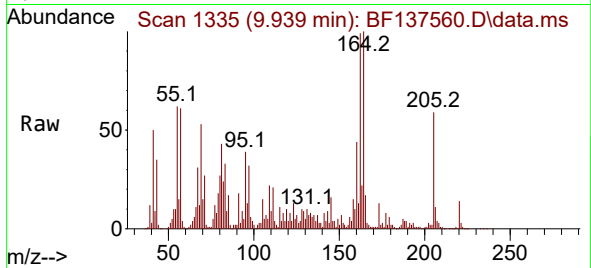




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF137560.D
Acq: 11 Mar 2024 17:16

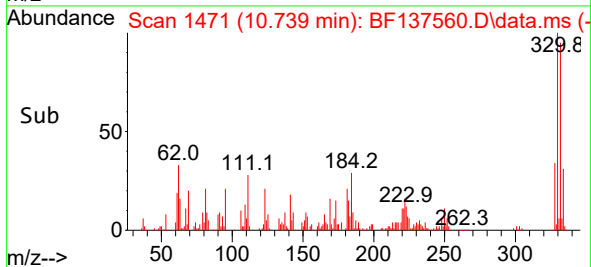
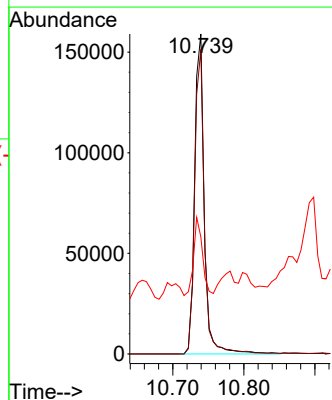
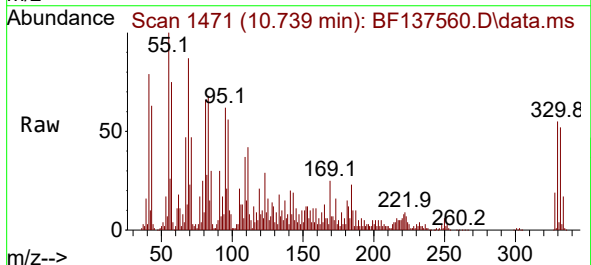
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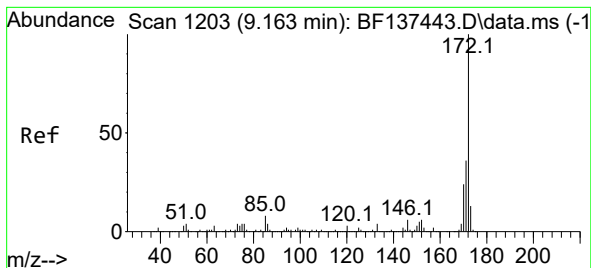
Tgt Ion:164 Resp: 311871
Ion Ratio Lower Upper
164 100
162 98.9 79.8 119.8
160 43.7 34.4 51.6



#42
2,4,6-Tribromophenol
Concen: 54.912 ng
RT: 10.739 min Scan# 1471
Delta R.T. 0.006 min
Lab File: BF137560.D
Acq: 11 Mar 2024 17:16

Tgt Ion:330 Resp: 150391
Ion Ratio Lower Upper
330 100
332 95.3 78.0 117.0
141 22.1 27.3 40.9#





#45

2-Fluorobiphenyl

Concen: 29.138 ng

RT: 9.251 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF137560.D

Acq: 11 Mar 2024 17:16

Instrument :

BNA_F

ClientSampleId :

RT4196

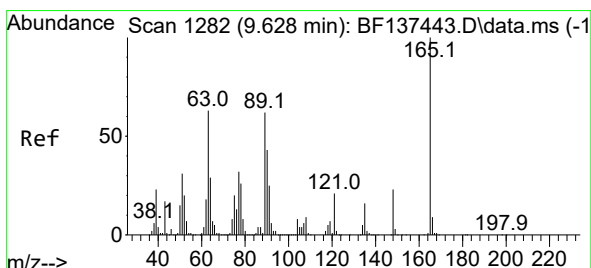
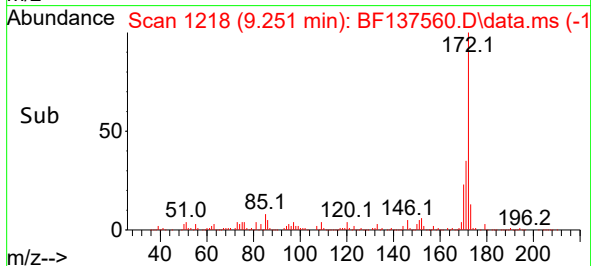
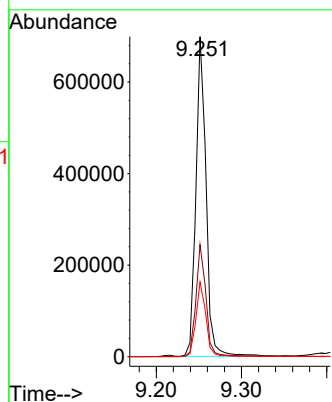
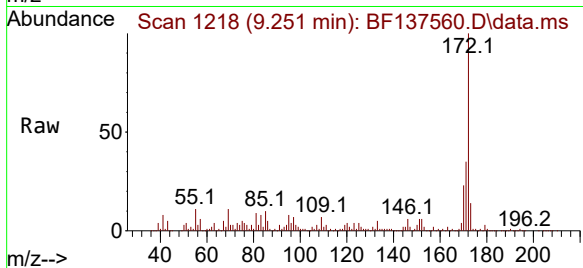
Tgt Ion:172 Resp: 580521

Ion Ratio Lower Upper

172 100

171 35.0 28.5 42.7

170 23.3 19.0 28.6



#51

2,6-Dinitrotoluene

Concen: 2.156 ng

RT: 9.734 min Scan# 1300

Delta R.T. 0.006 min

Lab File: BF137560.D

Acq: 11 Mar 2024 17:16

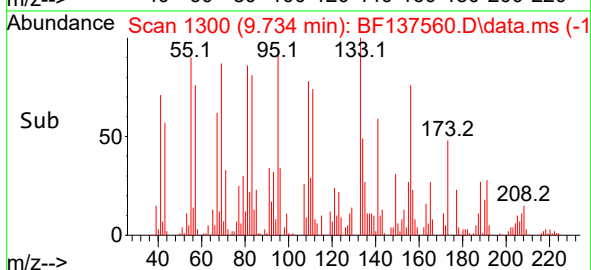
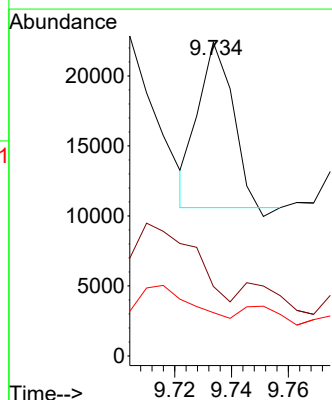
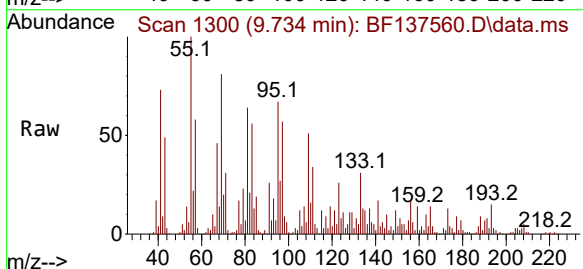
Tgt Ion:165 Resp: 9792

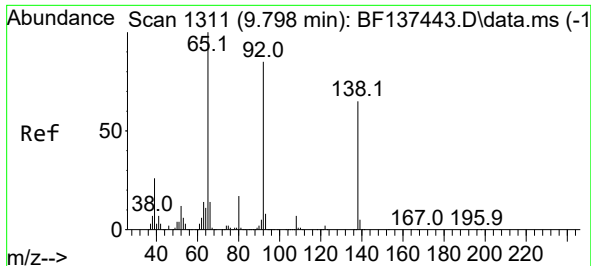
Ion Ratio Lower Upper

165 100

63 22.2 50.7 76.1#

89 13.8 50.0 75.0#

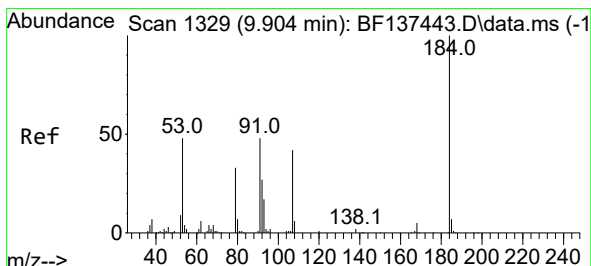
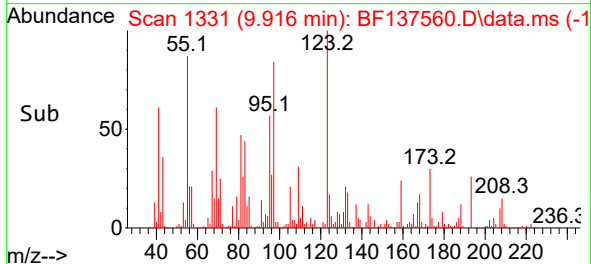
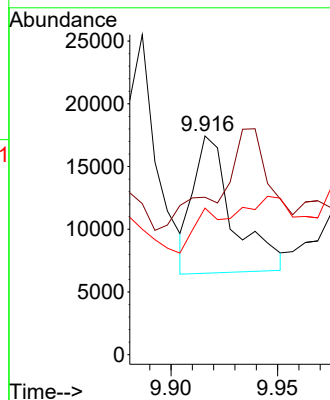
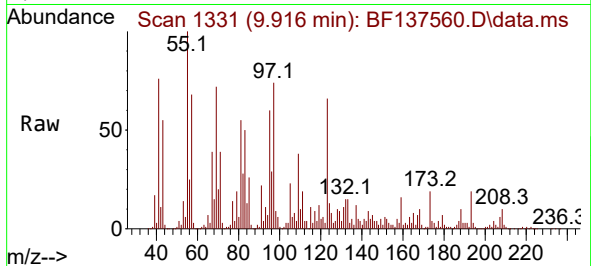




#53
3-Nitroaniline
Concen: 2.965 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF137560.D
Acq: 11 Mar 2024 17:16

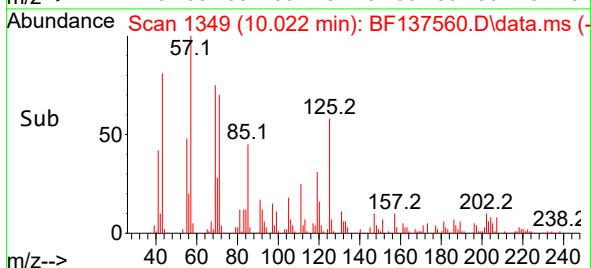
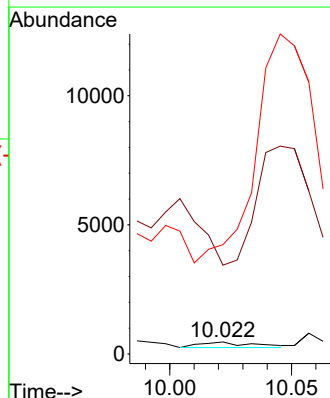
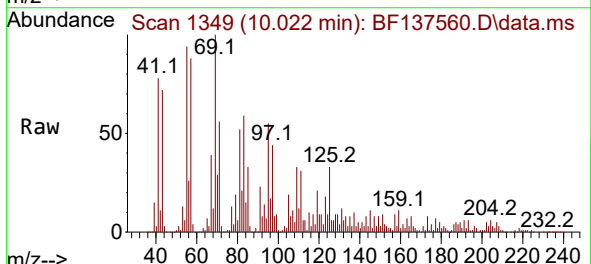
Instrument :
BNA_F
ClientSampleId :
RT4196

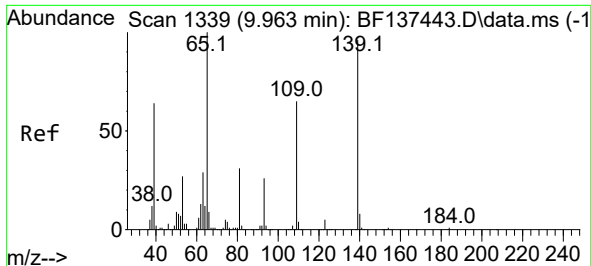
Tgt Ion:138 Resp: 14243
Ion Ratio Lower Upper
138 100
108 72.0 9.1 13.7#
92 67.0 104.6 157.0#



#54
2,4-Dinitrophenol
Concen: 8.357 ng
RT: 10.022 min Scan# 1349
Delta R.T. 0.018 min
Lab File: BF137560.D
Acq: 11 Mar 2024 17:16

Tgt Ion:184 Resp: 325
Ion Ratio Lower Upper
184 100
63 736.0 53.3 79.9#
154 906.2 47.4 71.0#

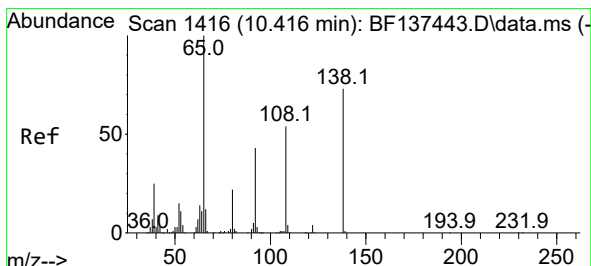
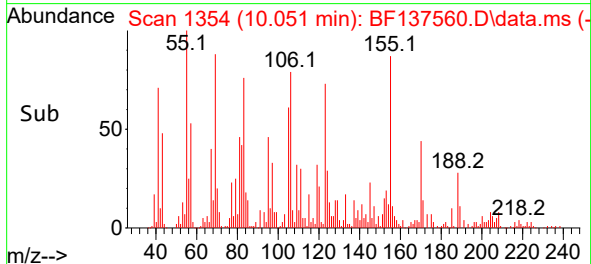
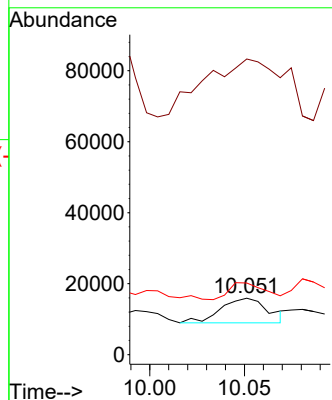
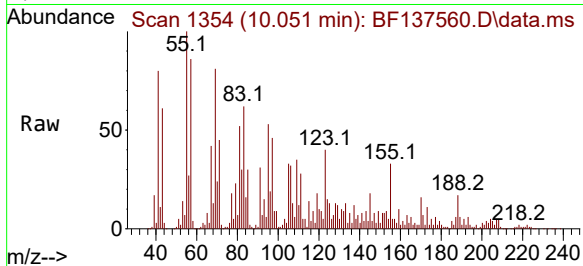




#56
4-Nitrophenol
Concen: 7.831 ng
RT: 10.051 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF137560.D
Acq: 11 Mar 2024 17:16

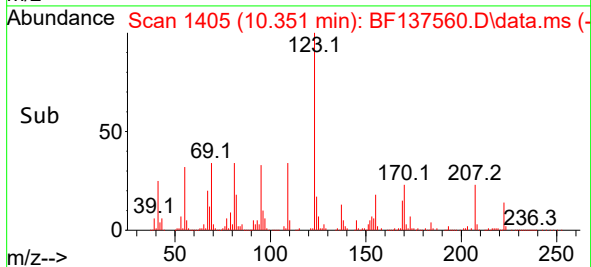
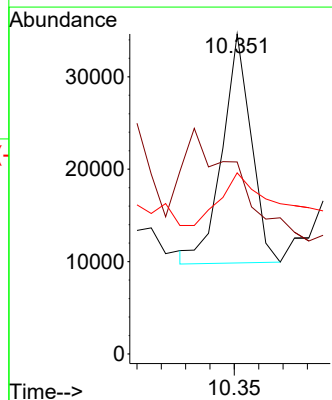
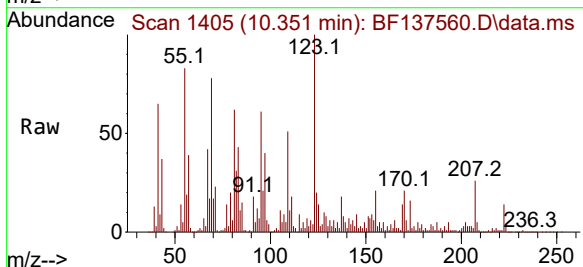
Instrument :
BNA_F
ClientSampleId :
RT4196

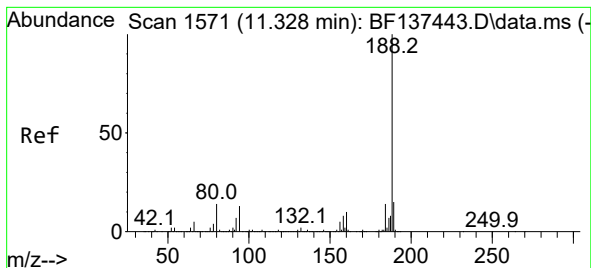
Tgt Ion:139 Resp: 11968
Ion Ratio Lower Upper
139 100
109 524.0 47.1 87.1#
65 127.1 85.1 125.1#



#62
4-Nitroaniline
Concen: 4.916 ng
RT: 10.351 min Scan# 1405
Delta R.T. -0.170 min
Lab File: BF137560.D
Acq: 11 Mar 2024 17:16

Tgt Ion:138 Resp: 20295
Ion Ratio Lower Upper
138 100
92 60.0 37.9 77.9
108 56.6 53.2 93.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.451 min Scan# 1

Delta R.T. 0.018 min

Lab File: BF137560.D

Acq: 11 Mar 2024 17:16

Instrument :

BNA_F

ClientSampleId :

RT4196

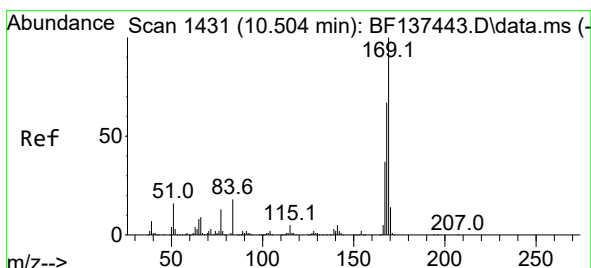
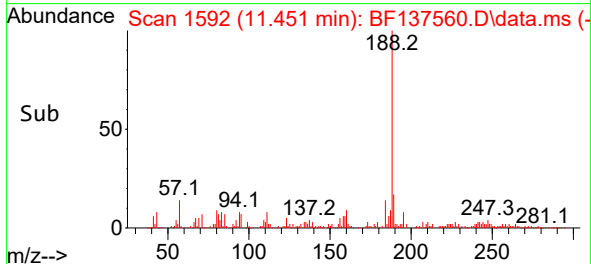
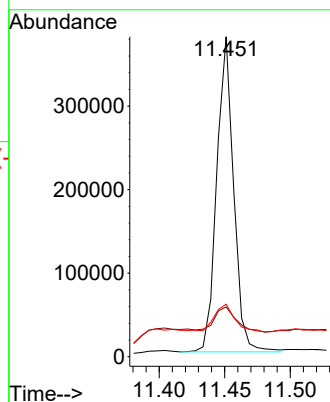
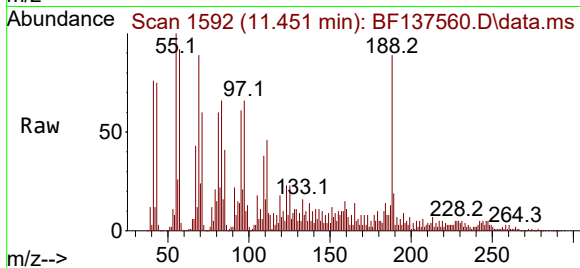
Tgt Ion:188 Resp: 337929

Ion Ratio Lower Upper

188 100

94 15.6 10.6 15.8

80 16.4 11.5 17.3



#66

n-Nitrosodiphenylamine

Concen: 9.310 ng

RT: 10.610 min Scan# 1449

Delta R.T. 0.000 min

Lab File: BF137560.D

Acq: 11 Mar 2024 17:16

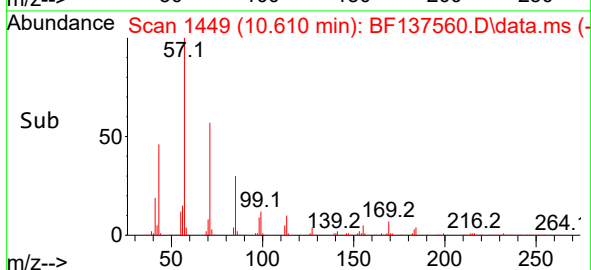
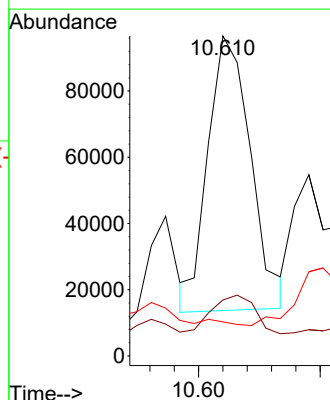
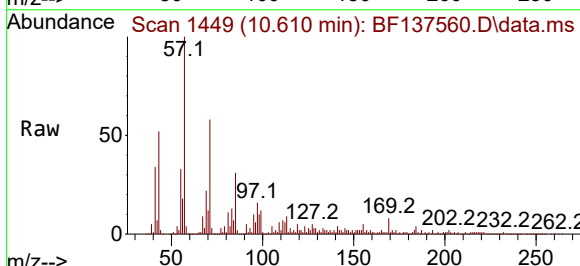
Tgt Ion:169 Resp: 101313

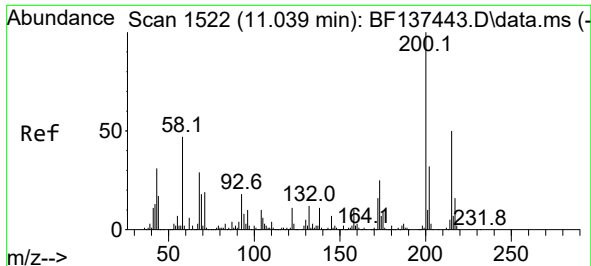
Ion Ratio Lower Upper

169 100

168 17.5 53.8 80.6#

167 10.7 29.6 44.4#





#69

Atrazine

Concen: 2.352 ng

RT: 11.169 min Scan# 1

Delta R.T. 0.030 min

Lab File: BF137560.D

Acq: 11 Mar 2024 17:16

Instrument :

BNA_F

ClientSampleId :

RT4196

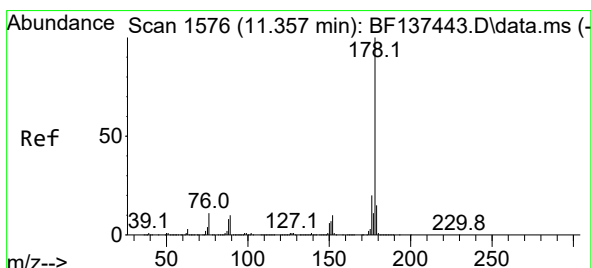
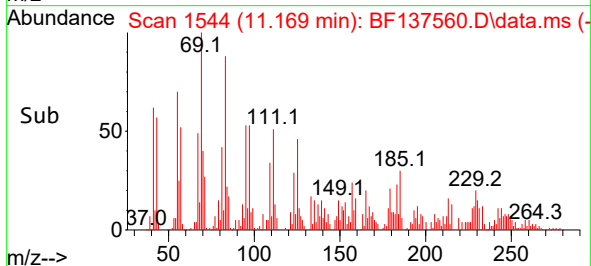
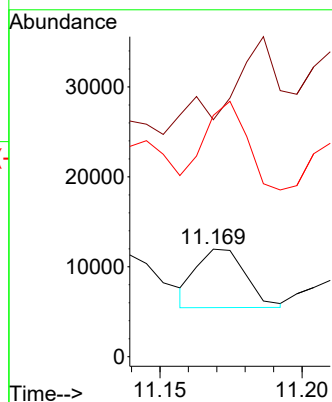
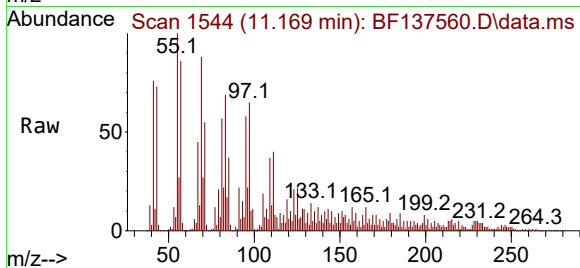
Tgt Ion:200 Resp: 7779

Ion Ratio Lower Upper

200 100

173 220.4 5.1 45.1#

215 224.4 30.4 70.4#



#71

Phenanthrene

Concen: 4.172 ng

RT: 11.475 min Scan# 1596

Delta R.T. 0.018 min

Lab File: BF137560.D

Acq: 11 Mar 2024 17:16

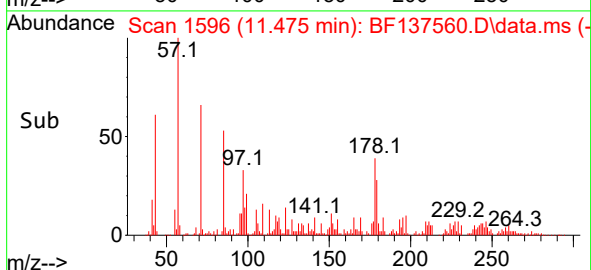
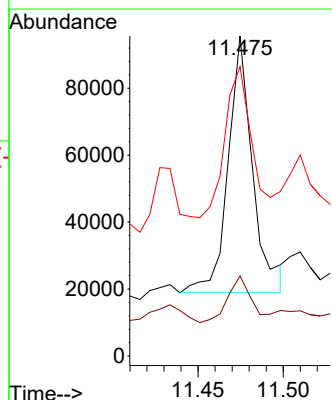
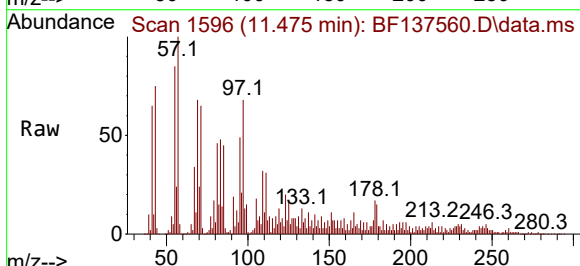
Tgt Ion:178 Resp: 76735

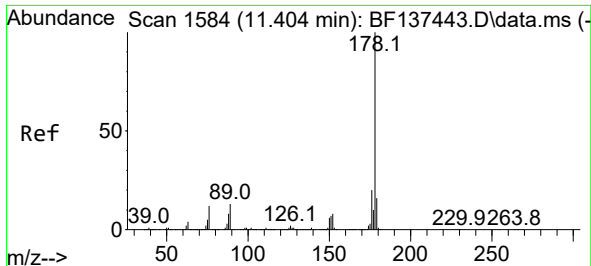
Ion Ratio Lower Upper

178 100

176 25.0 15.8 23.8#

179 90.4 12.2 18.2#

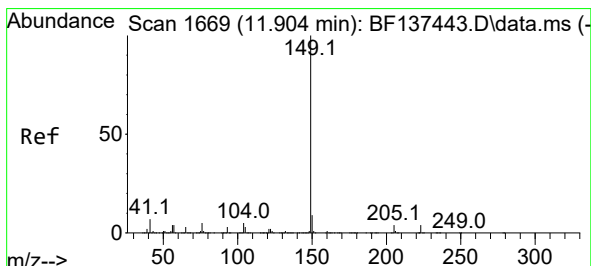
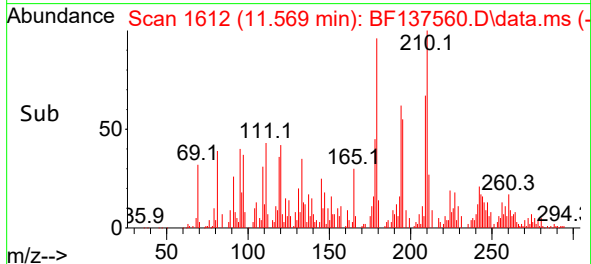
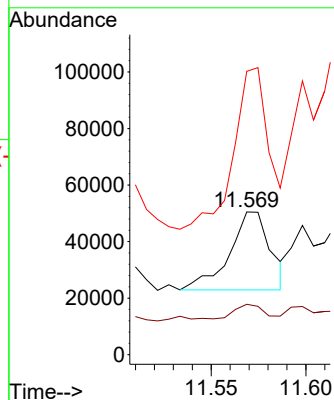
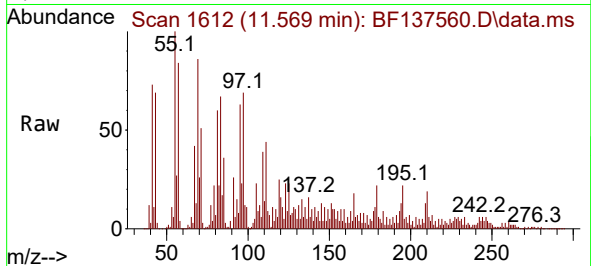




#72
 Anthracene
 Concen: 2.192 ng
 RT: 11.569 min Scan# 1
 Delta R.T. 0.059 min
 Lab File: BF137560.D
 Acq: 11 Mar 2024 17:16

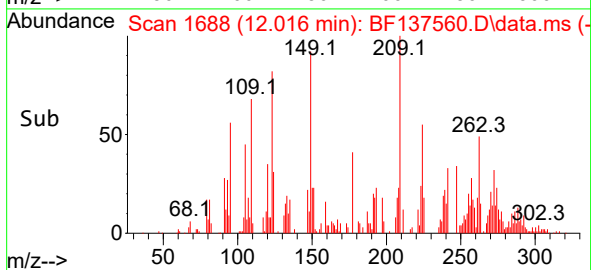
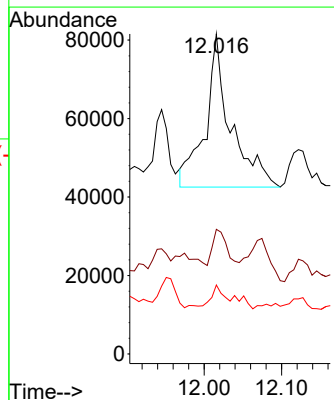
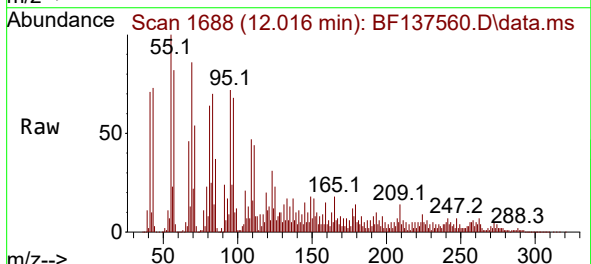
Instrument :
 BNA_F
 ClientSampleId :
 RT4196

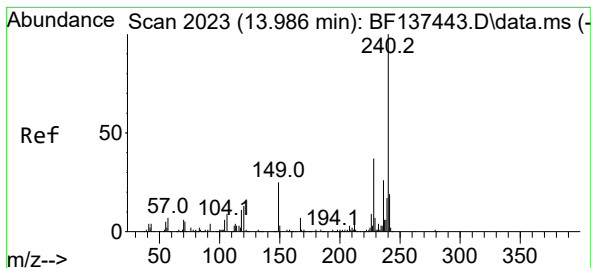
Tgt Ion:178 Resp: 41408
 Ion Ratio Lower Upper
 178 100
 176 35.3 15.7 23.5#
 179 198.5 12.7 19.1#



#74
 Di-n-butylphthalate
 Concen: 4.561 ng
 RT: 12.016 min Scan# 1688
 Delta R.T. 0.012 min
 Lab File: BF137560.D
 Acq: 11 Mar 2024 17:16

Tgt Ion:149 Resp: 87798
 Ion Ratio Lower Upper
 149 100
 150 39.0 7.4 11.0#
 104 21.6 3.8 5.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.104 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF137560.D

Acq: 11 Mar 2024 17:16

Instrument :

BNA_F

ClientSampleId :

RT4196

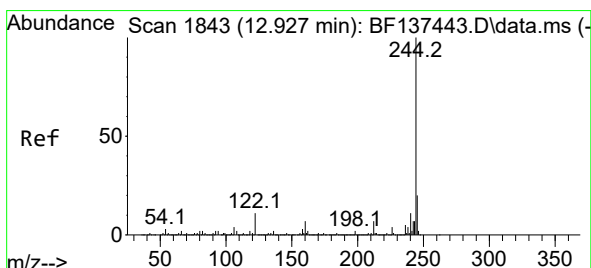
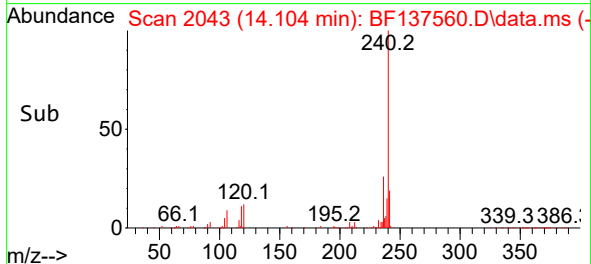
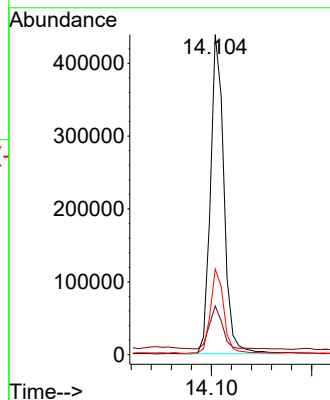
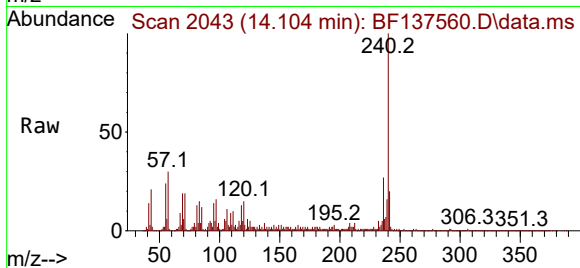
Tgt Ion:240 Resp: 409766

Ion Ratio Lower Upper

240 100

120 15.3 10.4 15.6

236 26.7 20.9 31.3



#79

Terphenyl-d14

Concen: 12.676 ng

RT: 13.057 min Scan# 1865

Delta R.T. 0.018 min

Lab File: BF137560.D

Acq: 11 Mar 2024 17:16

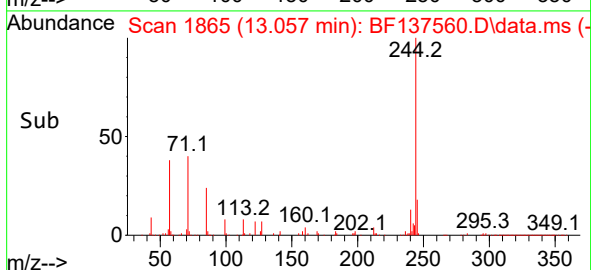
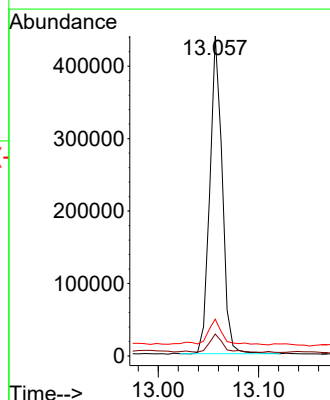
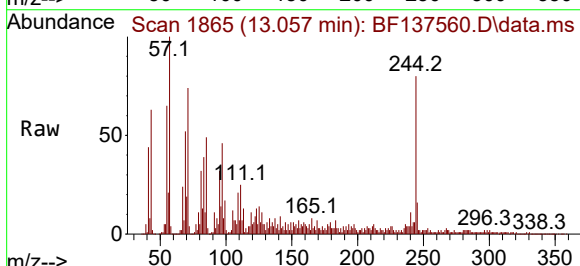
Tgt Ion:244 Resp: 377726

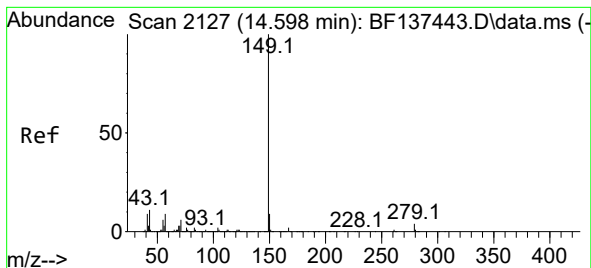
Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.2

122 11.5 9.1 13.7





#85

Di-n-octyl phthalate

Concen: 6.255 ng

RT: 14.692 min Scan# 2127

Delta R.T. -0.023 min

Lab File: BF137560.D

Acq: 11 Mar 2024 17:16

Instrument :

BNA_F

ClientSampleId :

RT4196

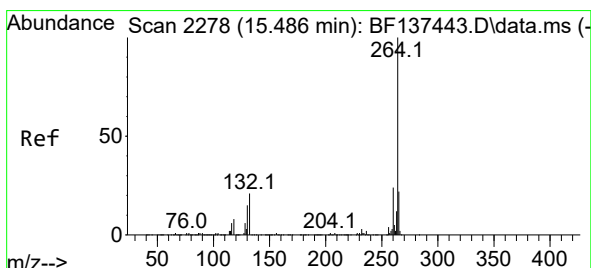
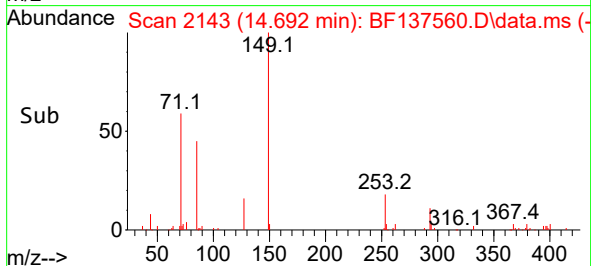
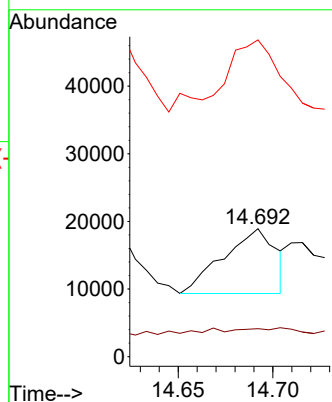
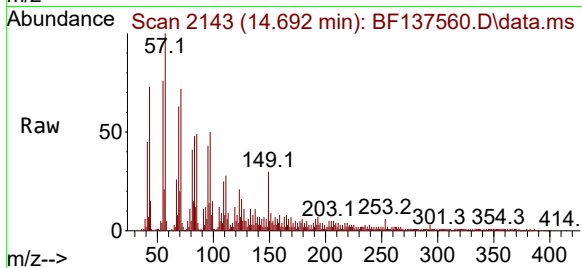
Tgt Ion:149 Resp: 18460

Ion Ratio Lower Upper

149 100

167 0.0 1.2 1.8#

43 108.9 9.6 14.4#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.651 min Scan# 2306

Delta R.T. 0.000 min

Lab File: BF137560.D

Acq: 11 Mar 2024 17:16

Tgt Ion:264 Resp: 501773

Ion Ratio Lower Upper

264 100

260 24.1 19.3 28.9

265 21.9 17.4 26.0

