

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060724\
 Data File : BF138150.D
 Acq On : 07 Jun 2024 10:05
 Operator : CG\JU
 Sample : PB161296TB
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB161296TB

Quant Time: Jun 07 11:13:41 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 06 05:19:29 2024
 Response via : Initial Calibration

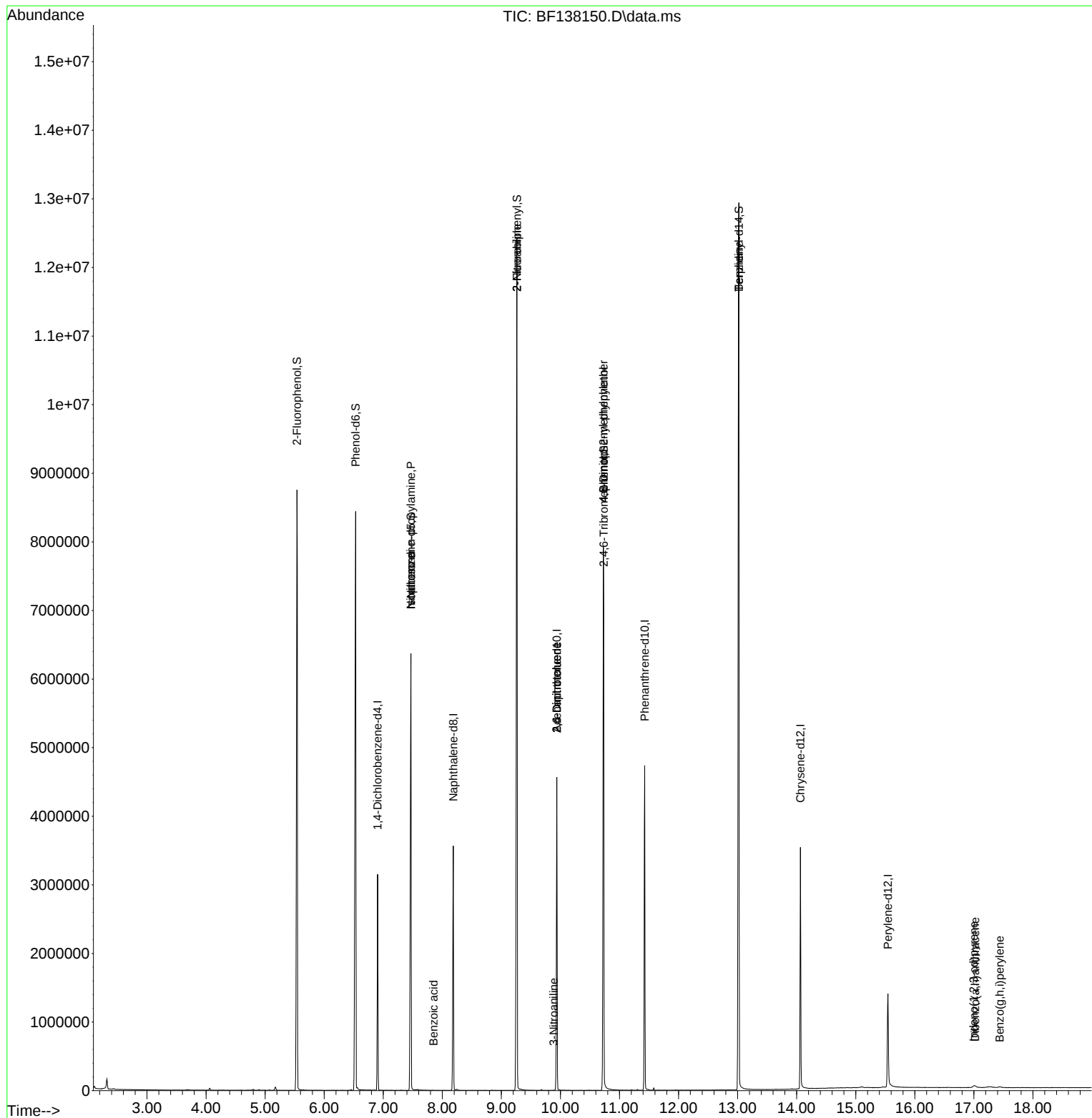
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	409059	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	1586702	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	900731	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	1690235	20.000	ng	0.00
76) Chrysene-d12	14.062	240	1095422	20.000	ng	0.00
86) Perylene-d12	15.545	264	720572	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.539	112	2956880	123.191	ng	0.01
7) Phenol-d6	6.534	99	3601657	118.598	ng	0.00
23) Nitrobenzene-d5	7.469	82	2211648	94.835	ng	0.00
42) 2,4,6-Tribromophenol	10.733	330	1214500	140.107	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	4405648	85.524	ng	0.00
79) Terphenyl-d14	13.021	244	5353653	73.101	ng	0.00
Target Compounds						
9) Benzaldehyde	6.457	77	1248	Below Cal		89
19) n-Nitroso-di-n-propyla...	7.469	70	299903	15.488 ng	#	77
25) Isophorone	7.469	82	2209138	42.998 ng	#	63
32) Benzoic acid	7.851	122	205	7.950 ng	#	52
48) 2-Nitroaniline	9.263	65	6880	5.291 ng	#	1
51) 2,6-Dinitrotoluene	9.939	165	118380	12.357 ng	#	25
53) 3-Nitroaniline	9.886	138	535	2.985 ng	#	84
57) 2,4-Dinitrotoluene	9.939	165	118448	11.246 ng	#	22
65) 4,6-Dinitro-2-methylph...	10.727	198	2645	8.821 ng	#	1
67) 4-Bromophenyl-phenylether	10.727	248	75867	3.942 ng	#	1
77) Benzidine	13.021	184	70754	6.277 ng	#	93
87) Indeno(1,2,3-cd)pyrene	16.998	276	26455	4.108 ng		92
91) Dibenzo(a,h)anthracene	17.021	278	24441	4.375 ng		93
92) Benzo(g,h,i)perylene	17.439	276	14402	3.399 ng		97

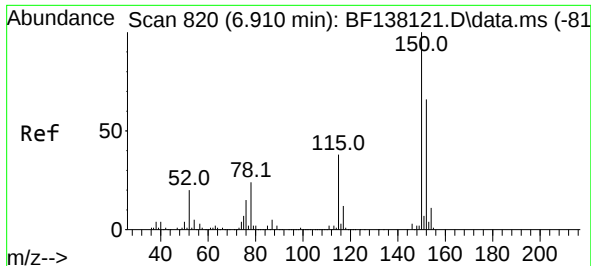
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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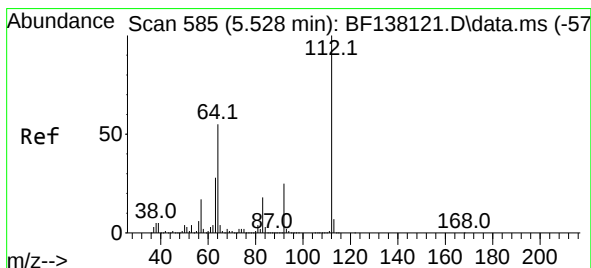
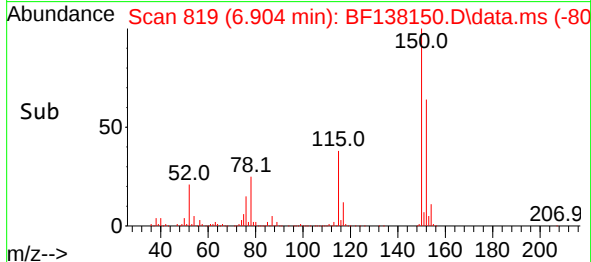
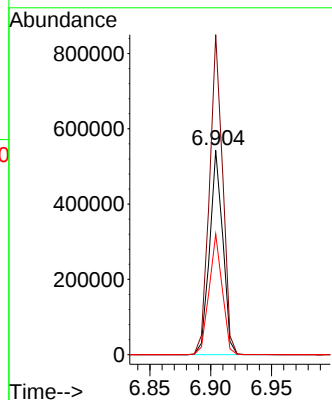
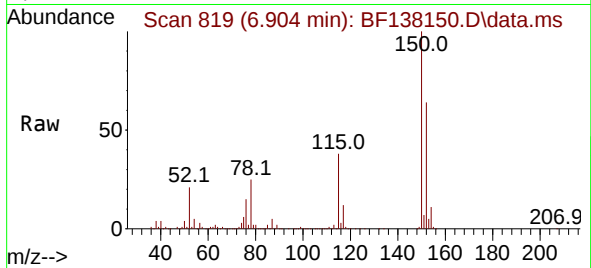




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.904 min Scan# 819
 Delta R.T. -0.006 min
 Lab File: BF138150.D
 Acq: 07 Jun 2024 10:05

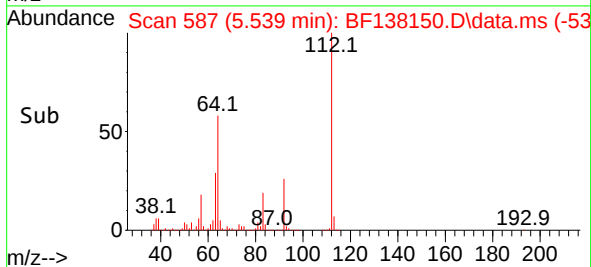
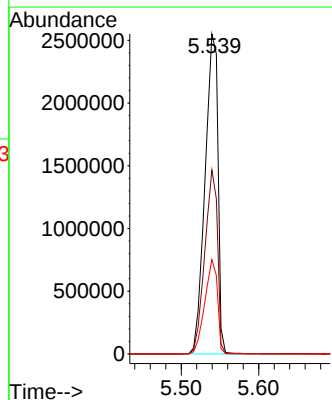
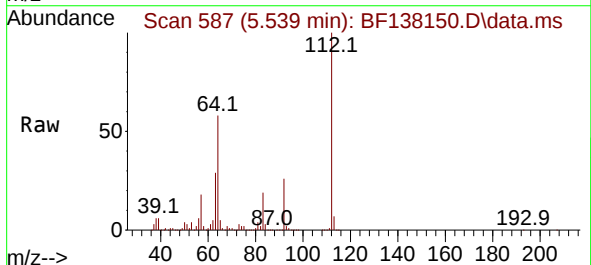
Instrument :
 BNA_F
 ClientSampleId :
 PB161296TB

Tgt Ion:152 Resp: 409059
 Ion Ratio Lower Upper
 152 100
 150 156.6 121.8 182.6
 115 59.1 46.2 69.2



#5
 2-Fluorophenol
 Concen: 123.191 ng
 RT: 5.539 min Scan# 587
 Delta R.T. 0.012 min
 Lab File: BF138150.D
 Acq: 07 Jun 2024 10:05

Tgt Ion:112 Resp: 2956880
 Ion Ratio Lower Upper
 112 100
 64 57.5 44.0 66.0
 63 29.5 22.1 33.1

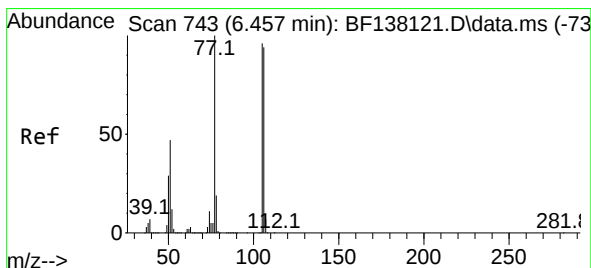
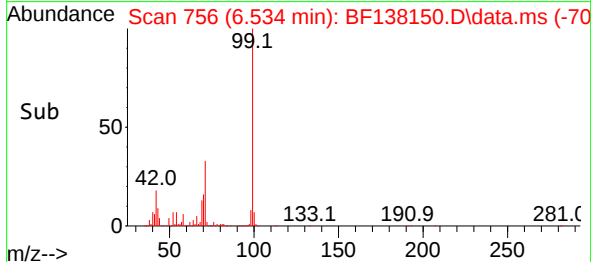
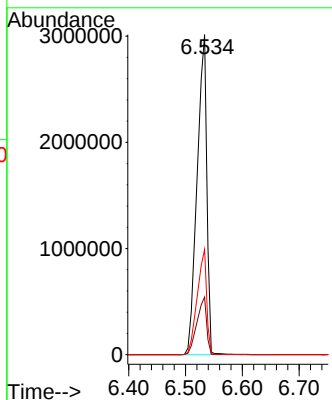
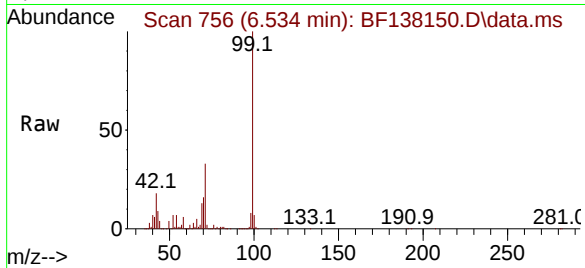




#7
Phenol-d6
Concen: 118.598 ng
RT: 6.534 min Scan# 756
Delta R.T. -0.000 min
Lab File: BF138150.D
Acq: 07 Jun 2024 10:05

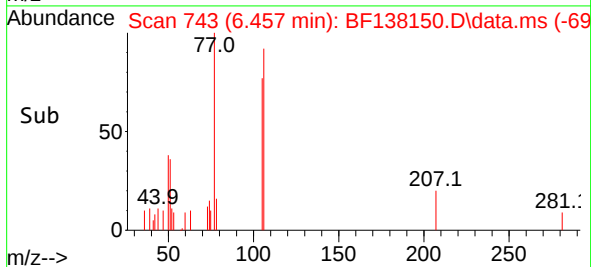
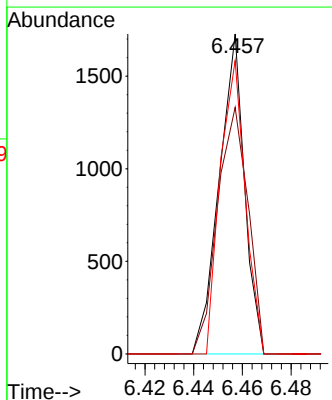
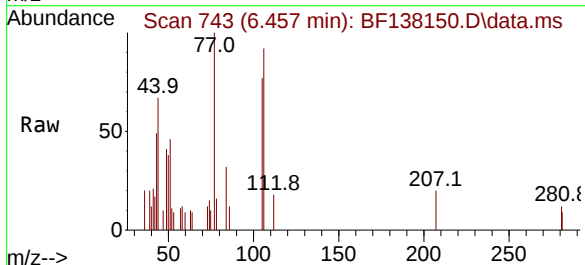
Instrument :
BNA_F
ClientSampleId :
PB161296TB

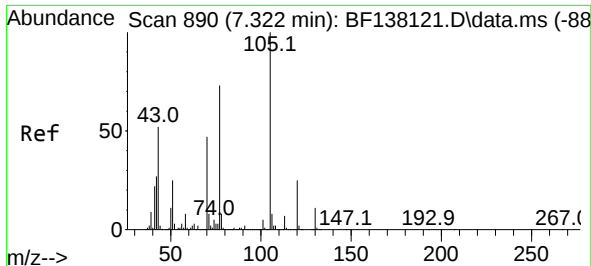
Tgt Ion: 99 Resp: 3601657
Ion Ratio Lower Upper
99 100
42 18.0 14.4 21.6
71 32.9 25.5 38.3



#9
Benzaldehyde
Concen: Below Cal
RT: 6.457 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF138150.D
Acq: 07 Jun 2024 10:05

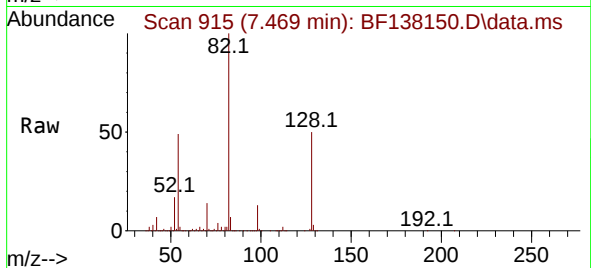
Tgt Ion: 77 Resp: 1248
Ion Ratio Lower Upper
77 100
105 77.0 75.8 115.8
106 91.7 73.9 113.9



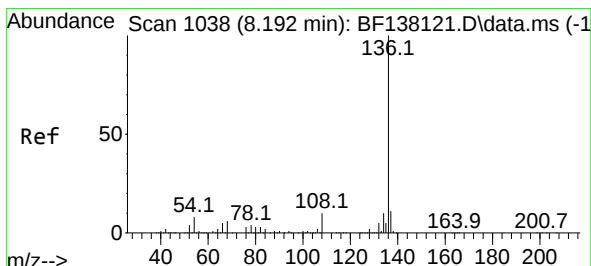
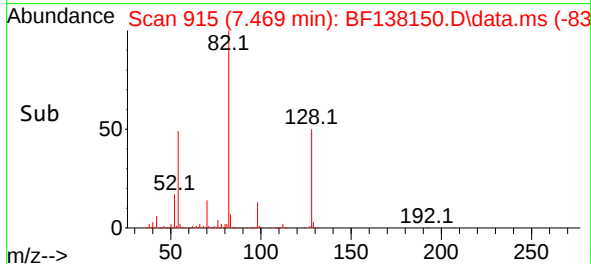
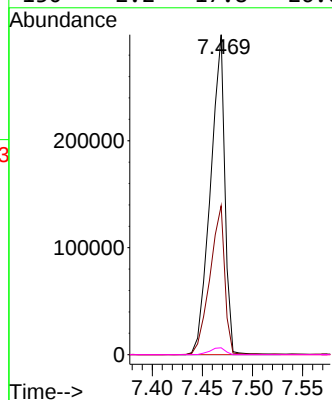


#19
n-Nitroso-di-n-propylamine
Concen: 15.488 ng
RT: 7.469 min Scan# 915
Delta R.T. 0.147 min
Lab File: BF138150.D
Acq: 07 Jun 2024 10:05

Instrument :
BNA_F
ClientSampleId :
PB161296TB

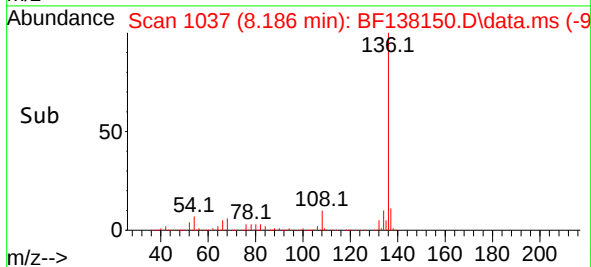
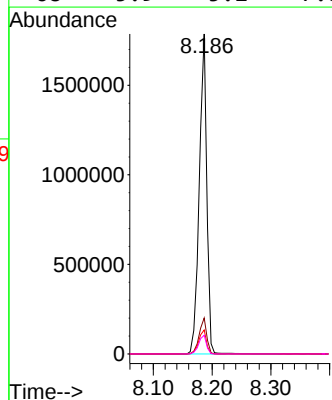
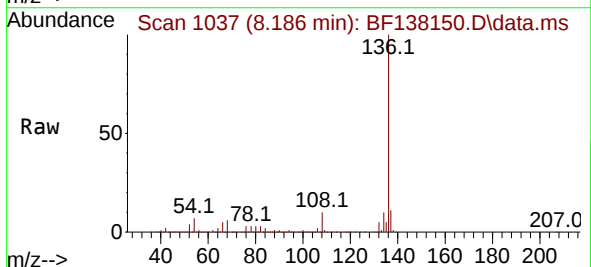


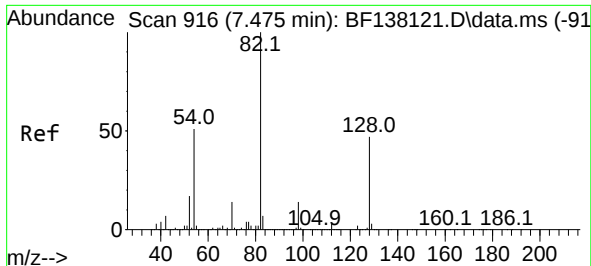
Tgt Ion: 70 Resp: 299903
Ion Ratio Lower Upper
70 100
42 46.6 46.3 69.5
101 0.0 7.7 11.5#
130 2.2 17.8 26.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.186 min Scan# 1037
Delta R.T. -0.006 min
Lab File: BF138150.D
Acq: 07 Jun 2024 10:05

Tgt Ion: 136 Resp: 1586702
Ion Ratio Lower Upper
136 100
137 11.2 9.1 13.7
54 7.5 6.2 9.2
68 5.9 5.2 7.8





#23

Nitrobenzene-d5

Concen: 94.835 ng

RT: 7.469 min Scan# 915

Delta R.T. -0.006 min

Lab File: BF138150.D

Acq: 07 Jun 2024 10:05

Instrument :

BNA_F

ClientSampleId :

PB161296TB

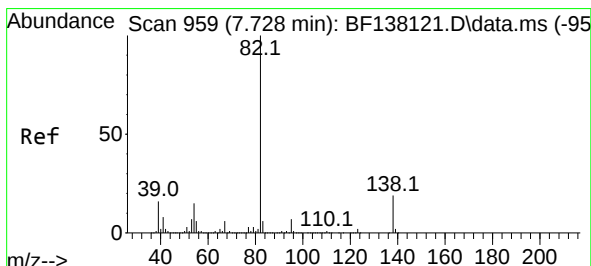
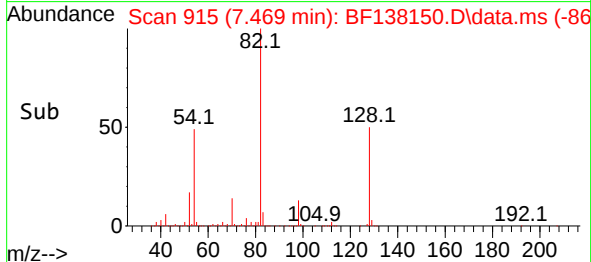
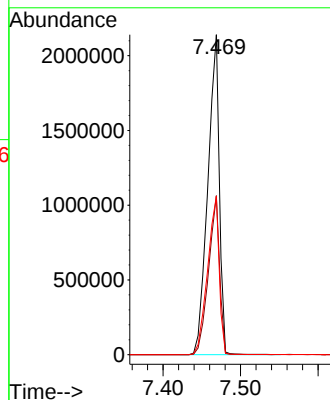
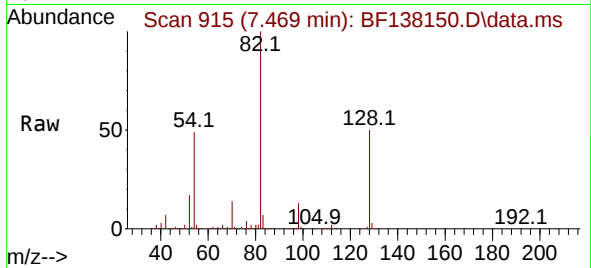
Tgt Ion: 82 Resp: 2211648

Ion Ratio Lower Upper

82 100

128 49.7 37.7 56.5

54 49.5 40.8 61.2



#25

Isophorone

Concen: 42.998 ng

RT: 7.469 min Scan# 915

Delta R.T. -0.259 min

Lab File: BF138150.D

Acq: 07 Jun 2024 10:05

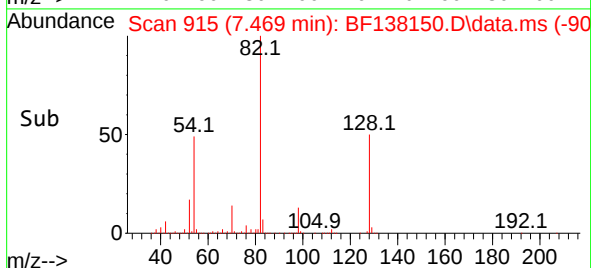
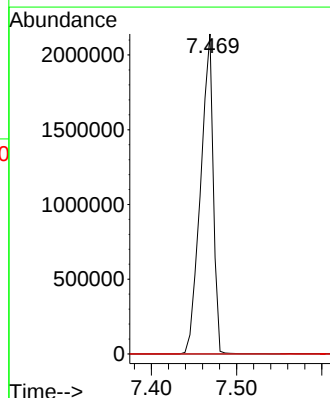
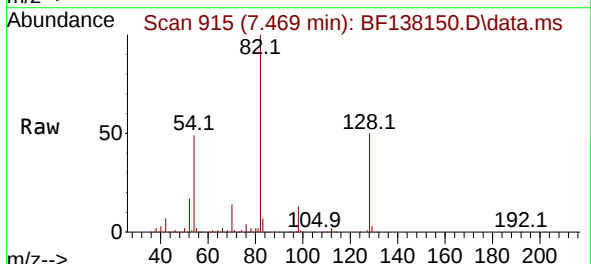
Tgt Ion: 82 Resp: 2209138

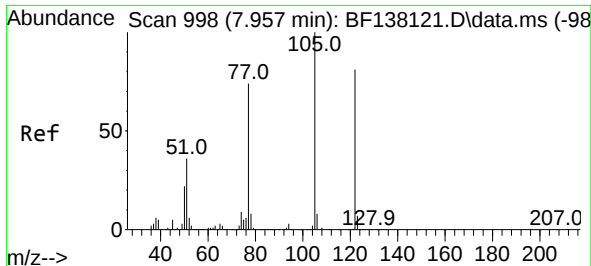
Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

138 0.0 15.5 23.3#

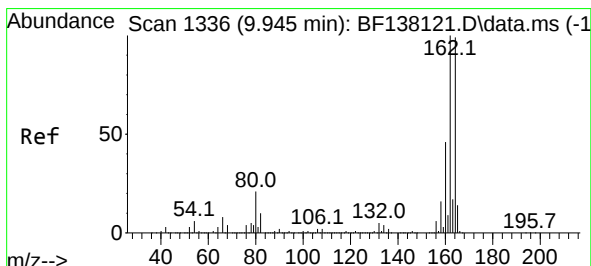
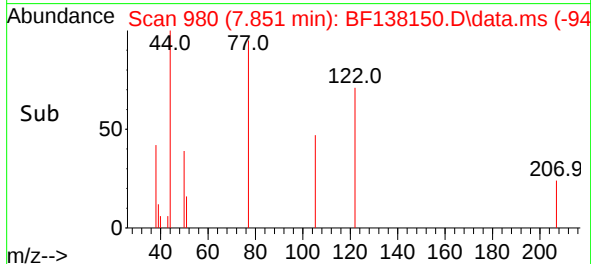
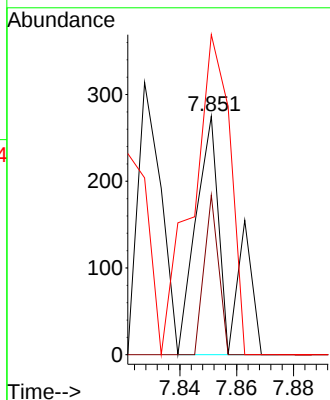
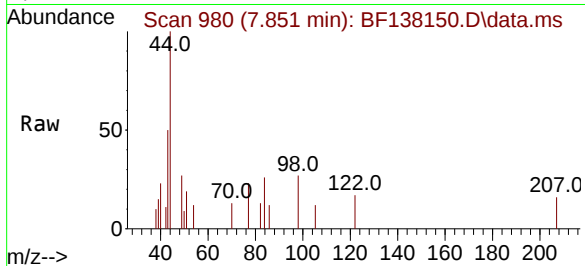




#32
Benzoic acid
Concen: 7.950 ng
RT: 7.851 min Scan# 91
Delta R.T. -0.106 min
Lab File: BF138150.D
Acq: 07 Jun 2024 10:05

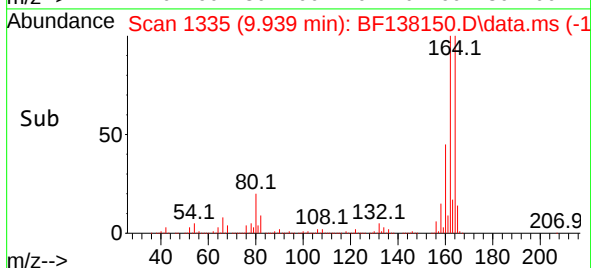
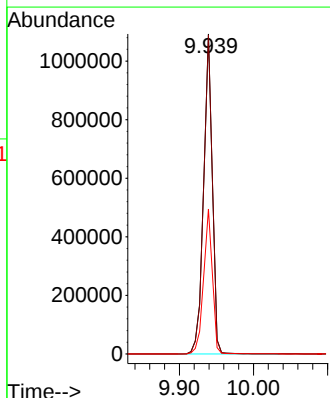
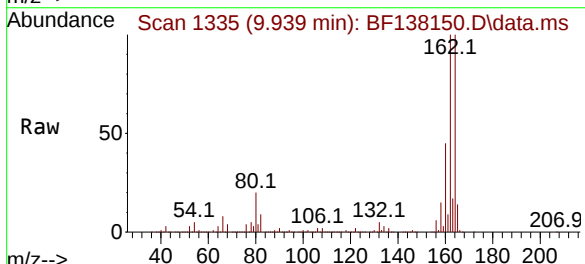
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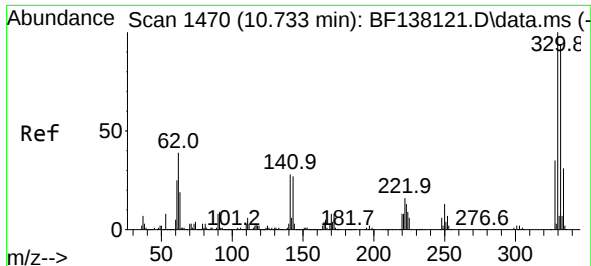
Tgt Ion:122 Resp: 205
Ion Ratio Lower Upper
122 100
105 66.9 102.8 142.8#
77 134.2 71.2 111.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1335
Delta R.T. -0.006 min
Lab File: BF138150.D
Acq: 07 Jun 2024 10:05

Tgt Ion:164 Resp: 900731
Ion Ratio Lower Upper
164 100
162 99.7 80.9 121.3
160 45.3 37.0 55.6





#42

2,4,6-Tribromophenol

Concen: 140.107 ng

RT: 10.733 min Scan# 1470

Delta R.T. 0.000 min

Lab File: BF138150.D

Acq: 07 Jun 2024 10:05

Instrument :

BNA_F

ClientSampleId :

PB161296TB

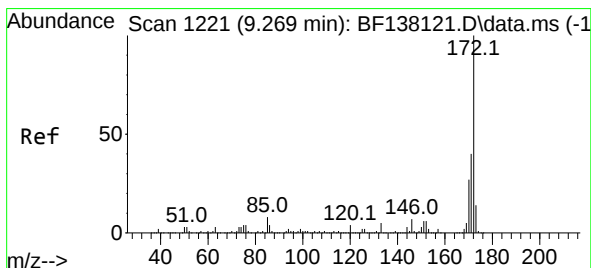
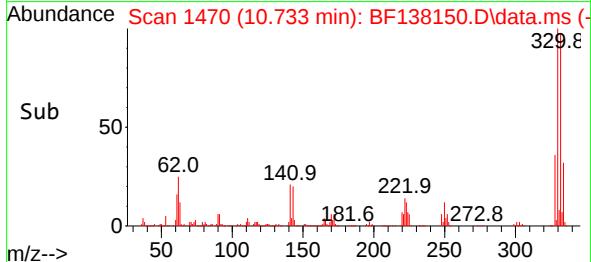
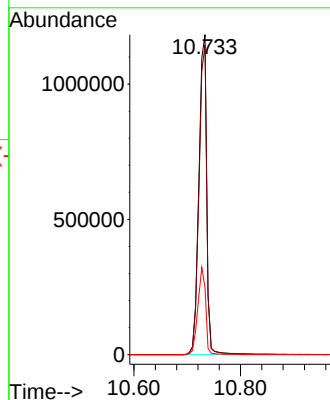
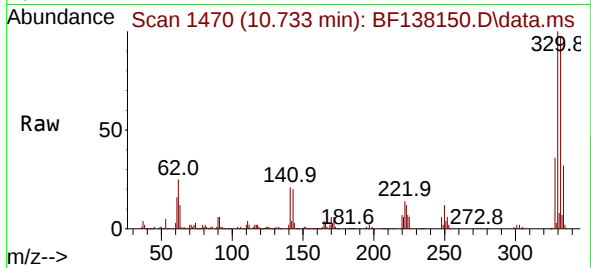
Tgt Ion:330 Resp: 1214500

Ion Ratio Lower Upper

330 100

332 96.1 75.8 113.8

141 27.5 23.2 34.8



#45

2-Fluorobiphenyl

Concen: 85.524 ng

RT: 9.263 min Scan# 1220

Delta R.T. -0.006 min

Lab File: BF138150.D

Acq: 07 Jun 2024 10:05

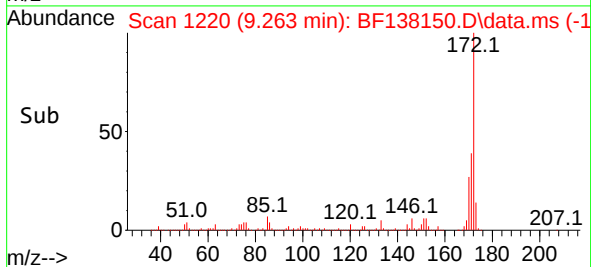
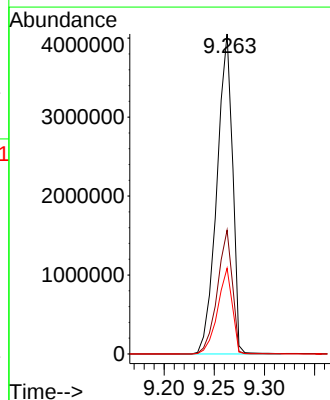
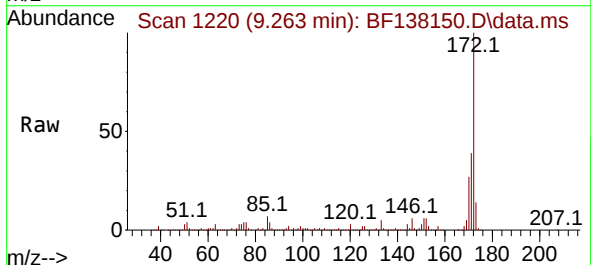
Tgt Ion:172 Resp: 4405648

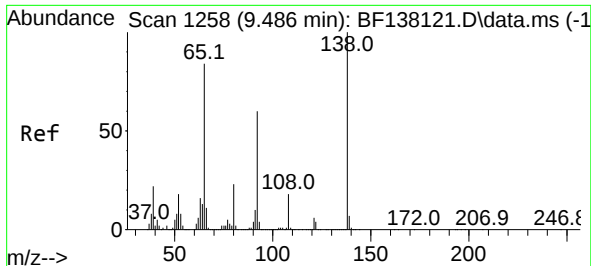
Ion Ratio Lower Upper

172 100

171 38.7 31.6 47.4

170 26.8 21.4 32.2

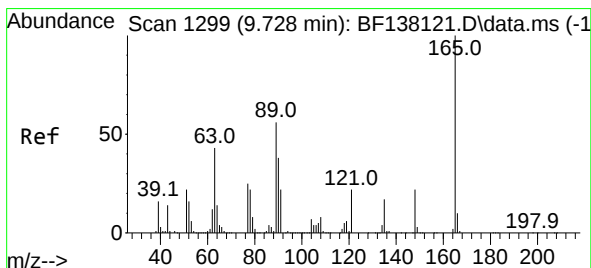
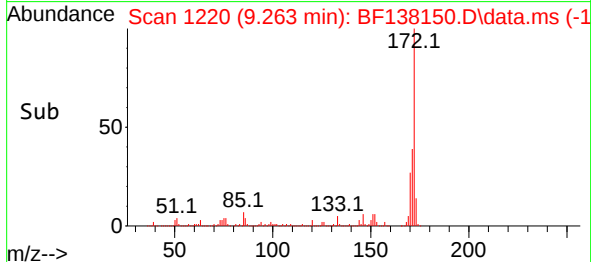
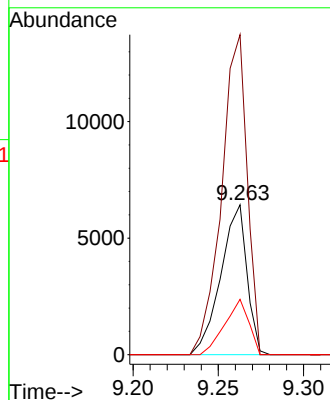
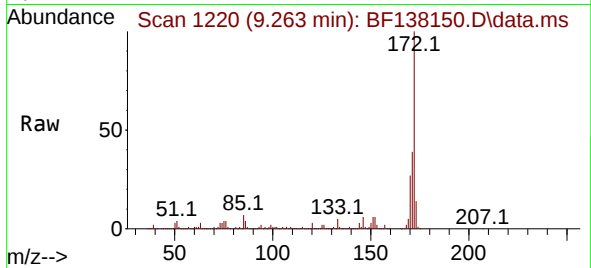




#48
2-Nitroaniline
Concen: 5.291 ng
RT: 9.263 min Scan# 11
Delta R.T. -0.223 min
Lab File: BF138150.D
Acq: 07 Jun 2024 10:05

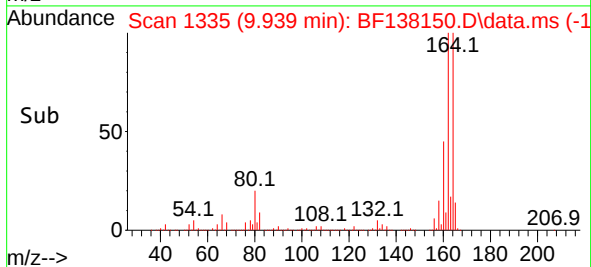
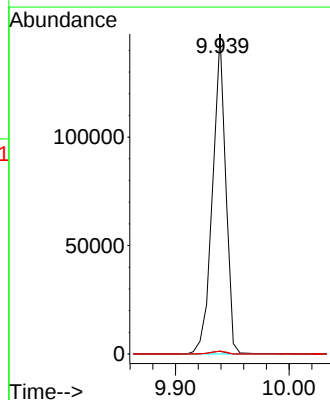
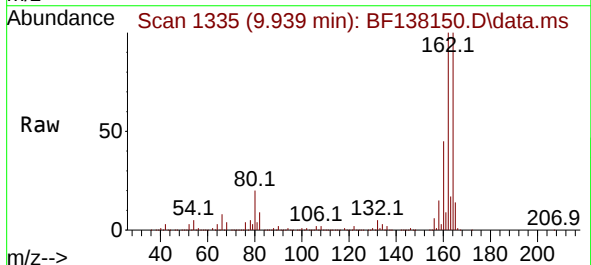
Instrument :
BNA_F
ClientSampleId :
PB161296TB

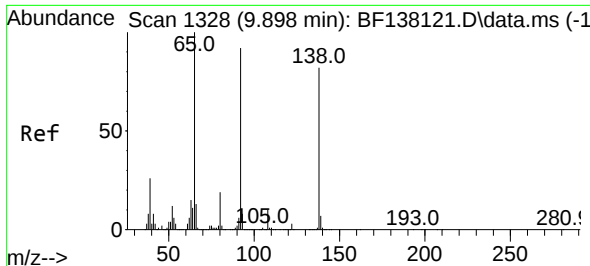
Tgt Ion: 65 Resp: 6880
Ion Ratio Lower Upper
65 100
92 213.5 57.3 85.9#
138 37.0 95.4 143.2#



#51
2,6-Dinitrotoluene
Concen: 12.357 ng
RT: 9.939 min Scan# 1335
Delta R.T. 0.211 min
Lab File: BF138150.D
Acq: 07 Jun 2024 10:05

Tgt Ion:165 Resp: 118380
Ion Ratio Lower Upper
165 100
63 0.8 42.9 64.3#
89 1.0 45.0 67.4#

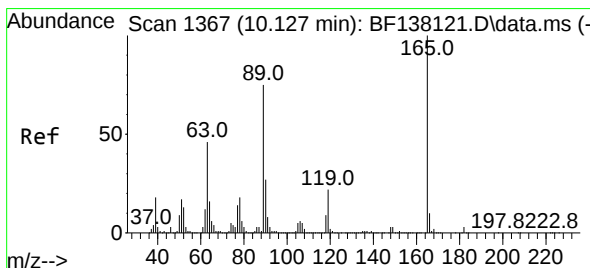
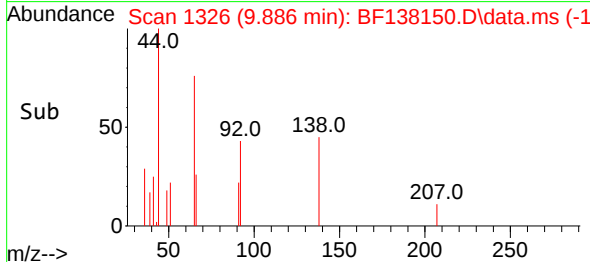
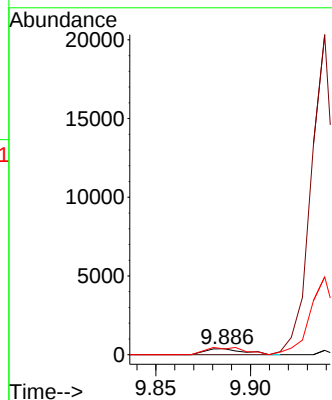
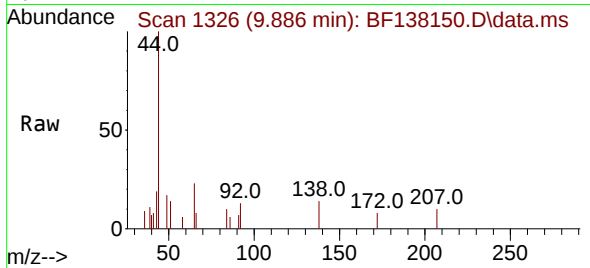




#53
3-Nitroaniline
Concen: 2.985 ng
RT: 9.886 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF138150.D
Acq: 07 Jun 2024 10:05

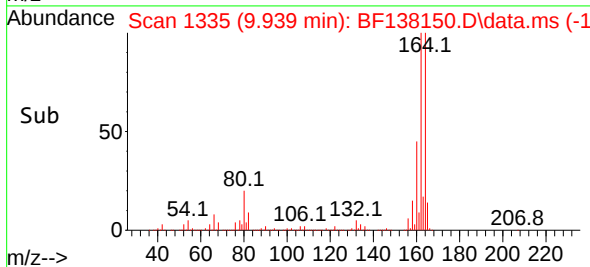
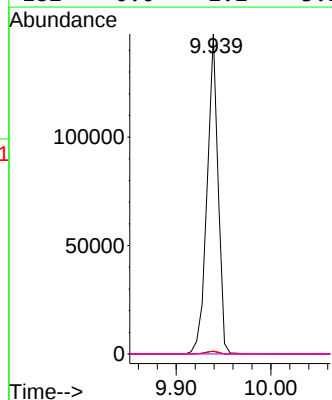
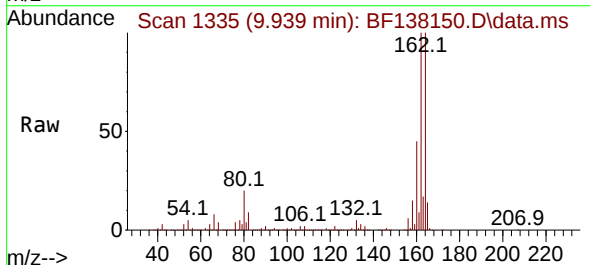
Instrument :
BNA_F
ClientSampleId :
PB161296TB

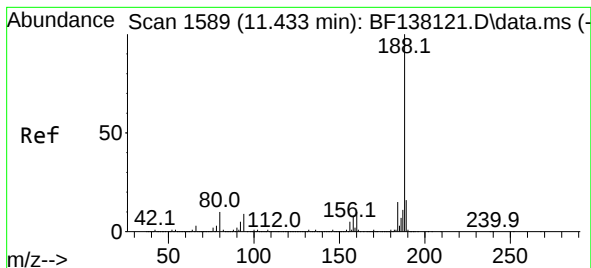
Tgt Ion:138 Resp: 535
Ion Ratio Lower Upper
138 100
108 0.0 10.3 15.5#
92 97.1 89.5 134.3



#57
2,4-Dinitrotoluene
Concen: 11.246 ng
RT: 9.939 min Scan# 1335
Delta R.T. -0.188 min
Lab File: BF138150.D
Acq: 07 Jun 2024 10:05

Tgt Ion:165 Resp: 118448
Ion Ratio Lower Upper
165 100
63 0.8 36.8 55.2#
89 1.0 60.2 90.2#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.427 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF138150.D

Acq: 07 Jun 2024 10:05

Instrument :

BNA_F

ClientSampleId :

PB161296TB

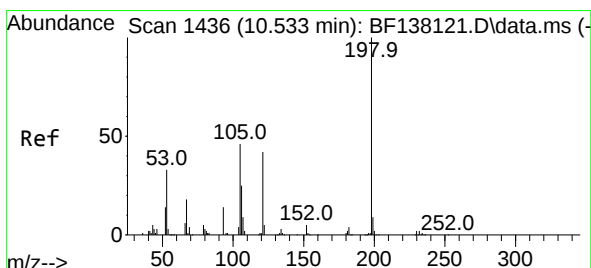
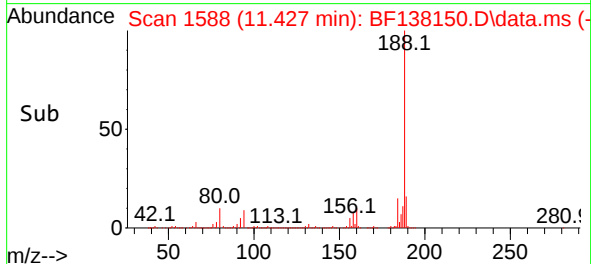
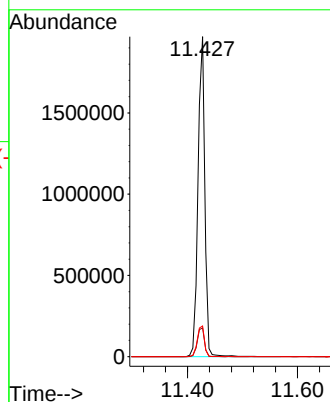
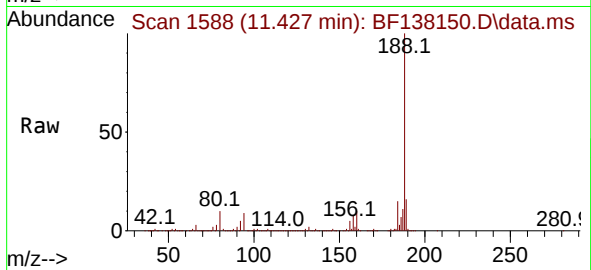
Tgt Ion:188 Resp: 1690235

Ion Ratio Lower Upper

188 100

94 9.0 7.4 11.2

80 9.6 7.7 11.5



#65

4,6-Dinitro-2-methylphenol

Concen: 8.821 ng

RT: 10.727 min Scan# 1469

Delta R.T. 0.194 min

Lab File: BF138150.D

Acq: 07 Jun 2024 10:05

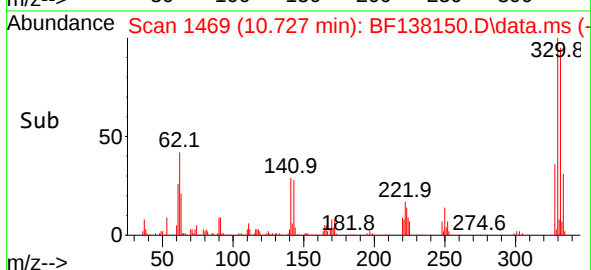
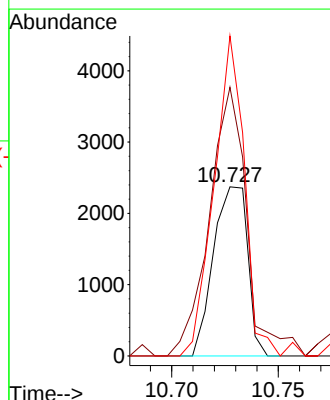
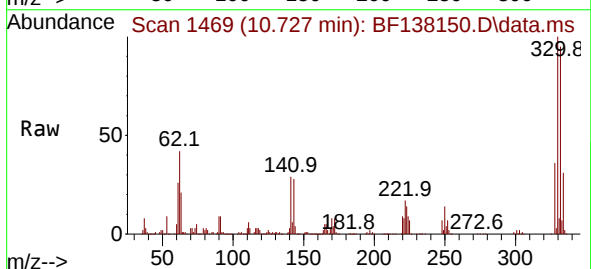
Tgt Ion:198 Resp: 2645

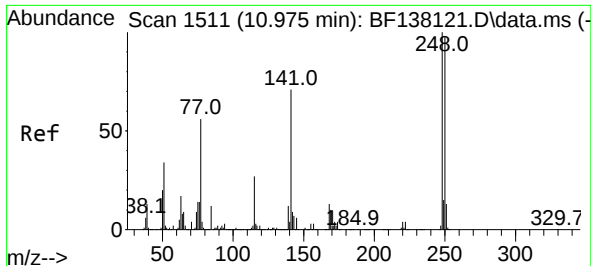
Ion Ratio Lower Upper

198 100

51 158.8 28.2 68.2#

105 189.2 26.8 66.8#

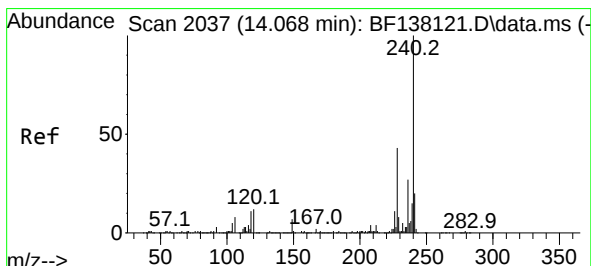
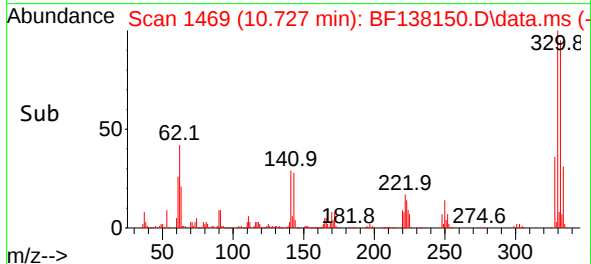
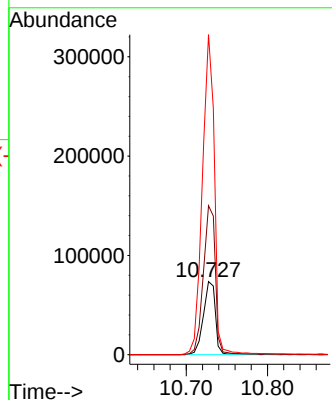
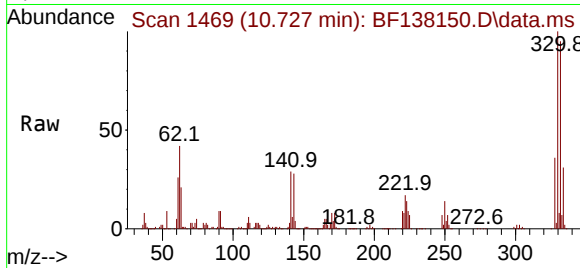




#67
4-Bromophenyl-phenylether
Concen: 3.942 ng
RT: 10.727 min Scan# 1469
Delta R.T. -0.247 min
Lab File: BF138150.D
Acq: 07 Jun 2024 10:05

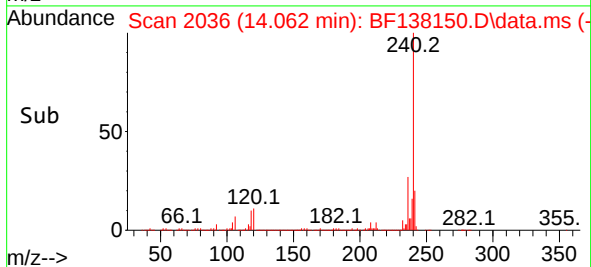
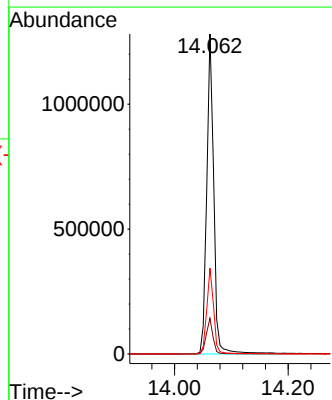
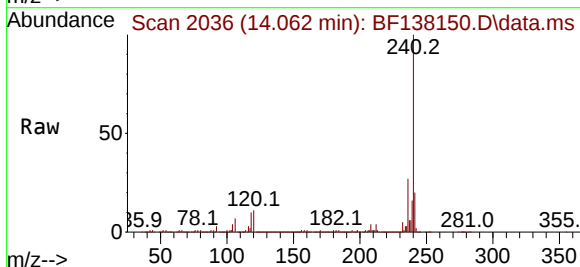
Instrument :
BNA_F
ClientSampleId :
PB161296TB

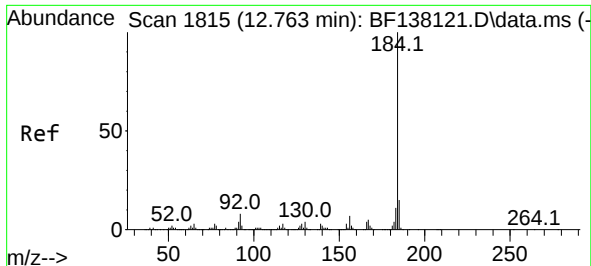
Tgt Ion:248 Resp: 75867
Ion Ratio Lower Upper
248 100
250 203.7 78.7 118.1#
141 437.6 56.5 84.7#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.062 min Scan# 2036
Delta R.T. -0.006 min
Lab File: BF138150.D
Acq: 07 Jun 2024 10:05

Tgt Ion:240 Resp: 1095422
Ion Ratio Lower Upper
240 100
120 11.2 9.8 14.8
236 26.8 21.2 31.8

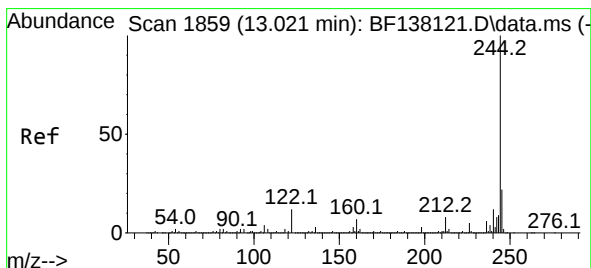
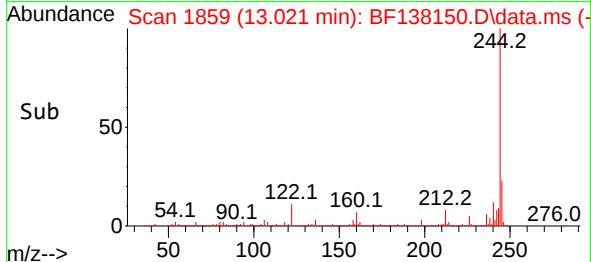
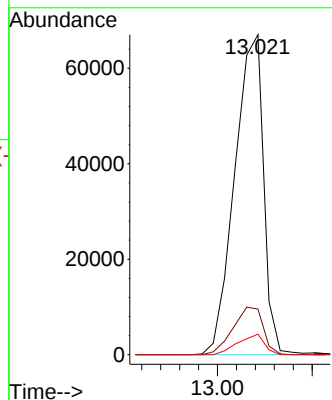
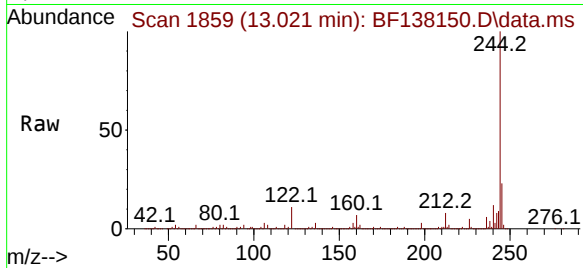




#77
Benzidine
Concen: 6.277 ng
RT: 13.021 min Scan# 1859
Delta R.T. 0.259 min
Lab File: BF138150.D
Acq: 07 Jun 2024 10:05

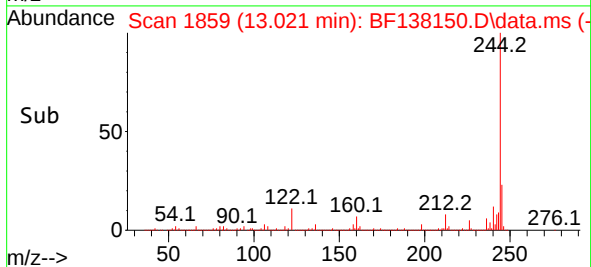
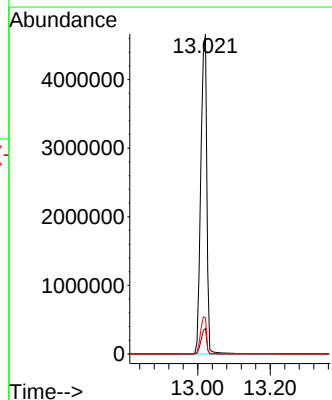
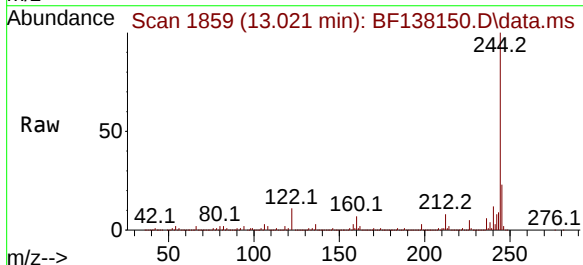
Instrument :
BNA_F
ClientSampleId :
PB161296TB

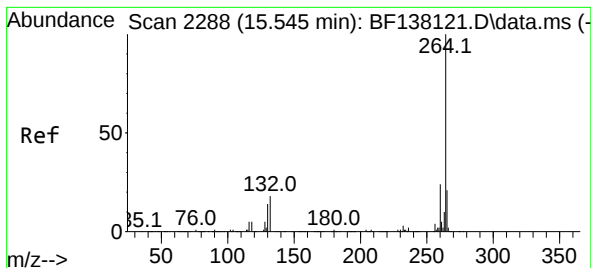
Tgt Ion:184 Resp: 70754
Ion Ratio Lower Upper
184 100
185 14.2 12.2 18.2
183 6.4 9.0 13.4#



#79
Terphenyl-d14
Concen: 73.101 ng
RT: 13.021 min Scan# 1859
Delta R.T. -0.000 min
Lab File: BF138150.D
Acq: 07 Jun 2024 10:05

Tgt Ion:244 Resp: 5353653
Ion Ratio Lower Upper
244 100
212 8.0 6.4 9.6
122 11.3 9.4 14.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF138150.D

Acq: 07 Jun 2024 10:05

Instrument :

BNA_F

ClientSampleId :

PB161296TB

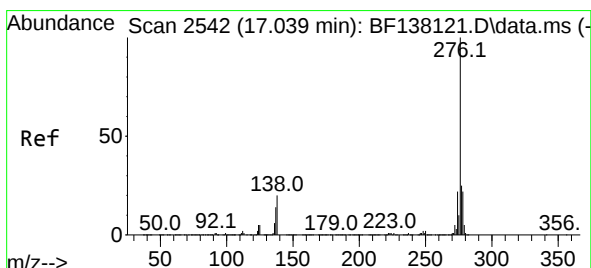
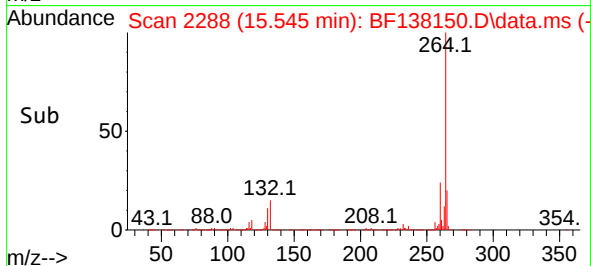
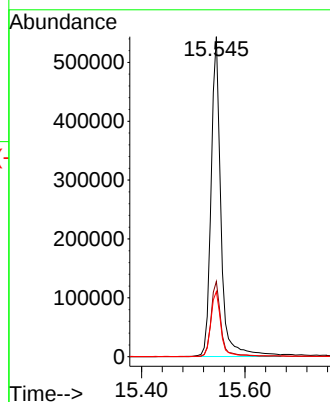
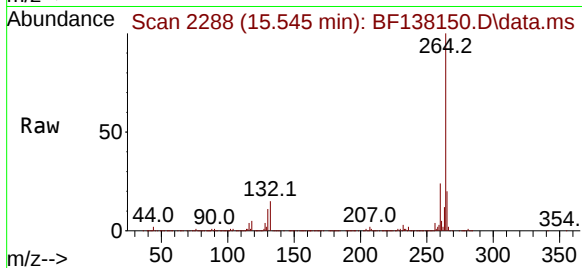
Tgt Ion:264 Resp: 720572

Ion Ratio Lower Upper

264 100

260 23.5 19.4 29.2

265 20.3 17.1 25.7



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.108 ng

RT: 16.998 min Scan# 2535

Delta R.T. -0.041 min

Lab File: BF138150.D

Acq: 07 Jun 2024 10:05

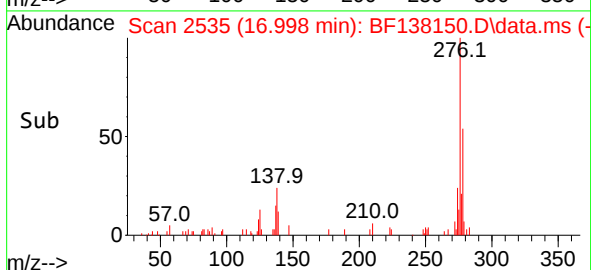
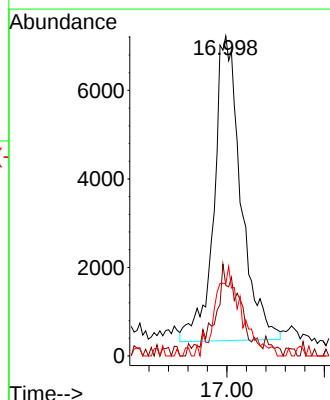
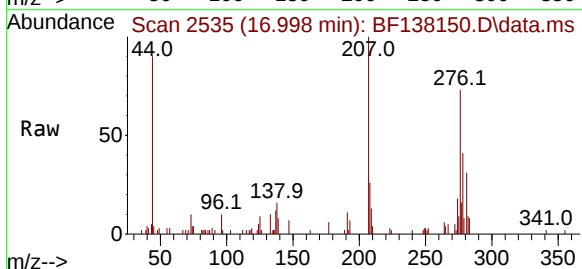
Tgt Ion:276 Resp: 26455

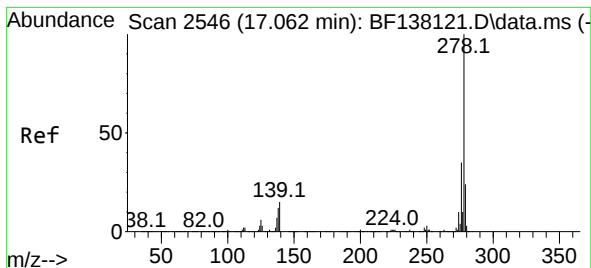
Ion Ratio Lower Upper

276 100

138 28.0 18.9 28.3

277 28.8 20.3 30.5





#91

Dibenzo(a,h)anthracene

Concen: 4.375 ng

RT: 17.021 min Scan# 21

Delta R.T. -0.041 min

Lab File: BF138150.D

Acq: 07 Jun 2024 10:05

Instrument :

BNA_F

ClientSampleId :

PB161296TB

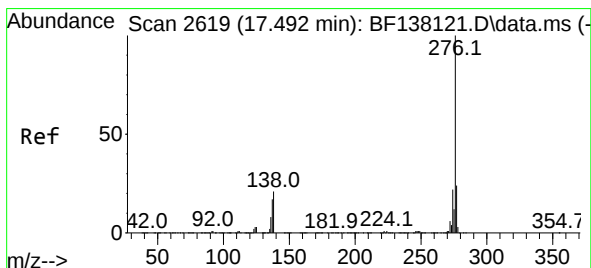
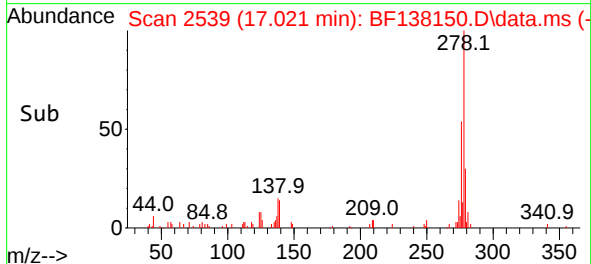
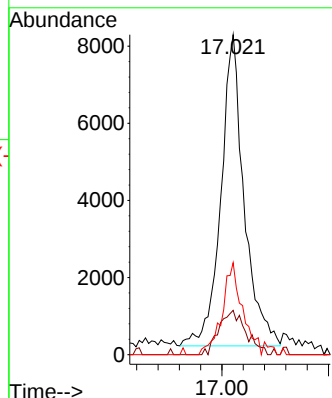
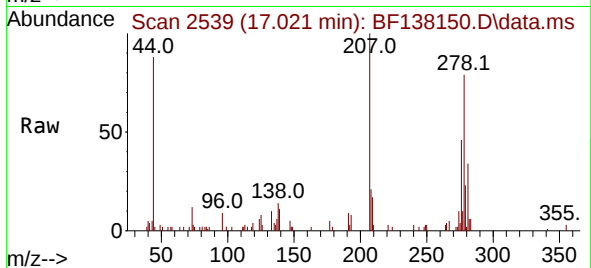
Tgt Ion:278 Resp: 24441

Ion Ratio Lower Upper

278 100

139 13.8 11.7 17.5

279 28.8 19.2 28.8



#92

Benzo(g,h,i)perylene

Concen: 3.399 ng

RT: 17.439 min Scan# 2610

Delta R.T. -0.053 min

Lab File: BF138150.D

Acq: 07 Jun 2024 10:05

Tgt Ion:276 Resp: 14402

Ion Ratio Lower Upper

276 100

277 23.3 19.0 28.4

138 18.3 16.5 24.7

