

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060724\
 Data File : BF138157.D
 Acq On : 07 Jun 2024 13:36
 Operator : CG\JU
 Sample : P2740-05
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WCS-TPB

Quant Time: Jun 07 14:06:08 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)

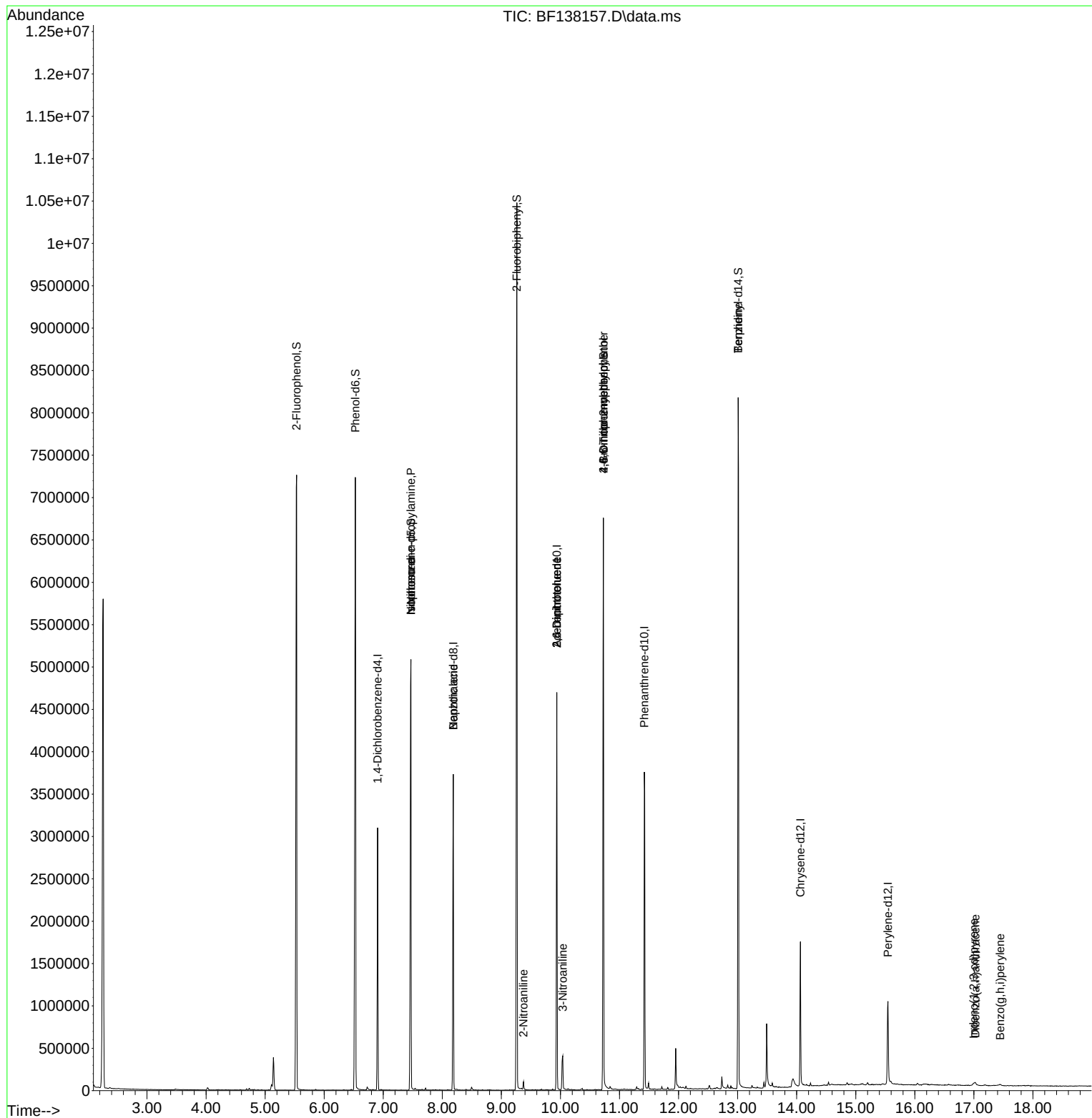
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	398665	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	1545824	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	882601	20.000	ng	0.00
64) Phenanthrene-d10	11.421	188	1453533	20.000	ng	-0.01
76) Chrysene-d12	14.062	240	579289	20.000	ng	0.00
86) Perylene-d12	15.545	264	514906	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	2364029	101.059	ng	0.00
7) Phenol-d6	6.528	99	2976216	100.558	ng	0.00
23) Nitrobenzene-d5	7.469	82	1760490	77.486	ng	0.00
42) 2,4,6-Tribromophenol	10.727	330	877805	103.345	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	3251055	64.407	ng	0.00
79) Terphenyl-d14	13.010	244	3007399	77.652	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.528	77	4469	Below Cal	#	2
19) n-Nitroso-di-n-propyla...	7.469	70	238809	12.654	ng	# 76
25) Isophorone	7.469	82	1760458	35.171	ng	# 63
32) Benzoic acid	8.186	122	393	7.966	ng	# 1
48) 2-Nitroaniline	9.375	65	908	4.863	ng	# 9
51) 2,6-Dinitrotoluene	9.939	165	116487	12.395	ng	# 25
53) 3-Nitroaniline	10.039	138	3974	3.254	ng	# 3
57) 2,4-Dinitrotoluene	9.939	165	116489	11.274	ng	# 22
65) 4,6-Dinitro-2-methylph...	10.727	198	1678	8.706	ng	# 1
67) 4-Bromophenyl-phenylether	10.727	248	53018	3.203	ng	# 1
77) Benzidine	13.010	184	36227	6.077	ng	# 94
87) Indeno(1,2,3-cd)pyrene	16.998	276	28428	4.423	ng	# 92
91) Dibenzo(a,h)anthracene	17.027	278	28298	4.821	ng	98
92) Benzo(g,h,i)perylene	17.445	276	14560	3.571	ng	95

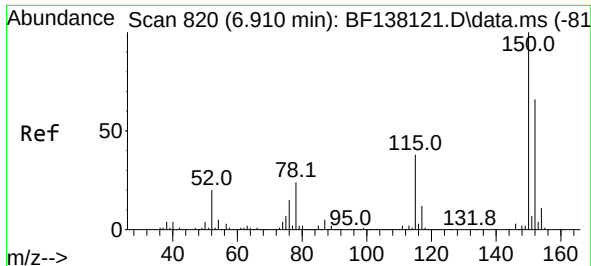
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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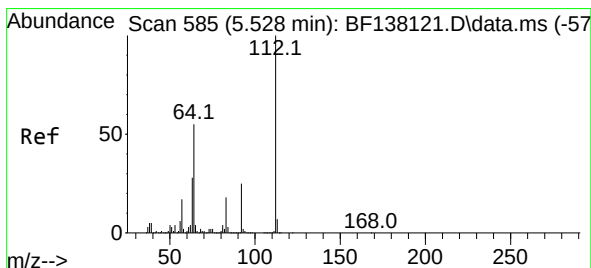
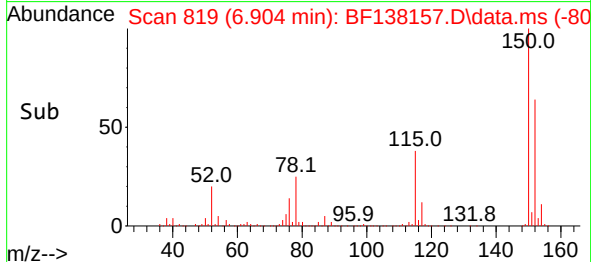
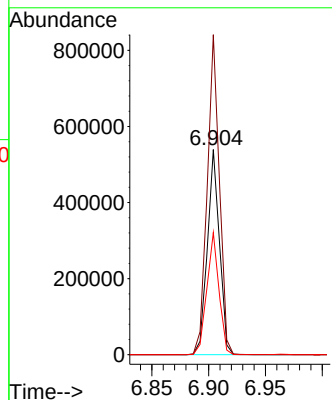
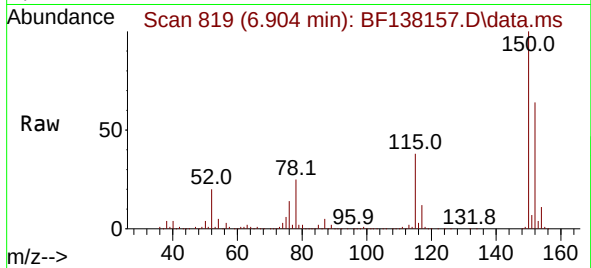




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.904 min Scan# 819
 Delta R.T. -0.006 min
 Lab File: BF138157.D
 Acq: 07 Jun 2024 13:36

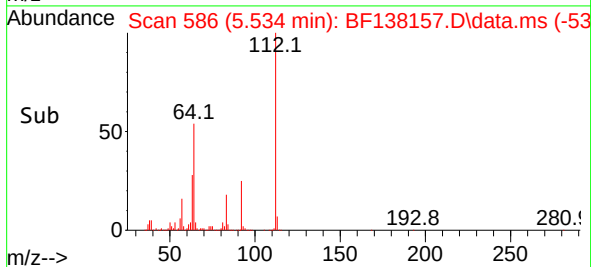
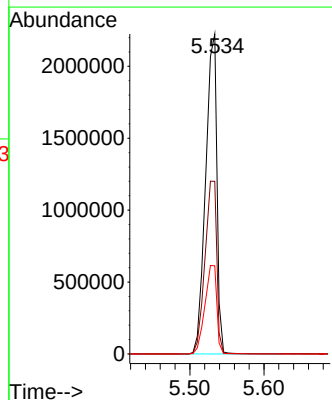
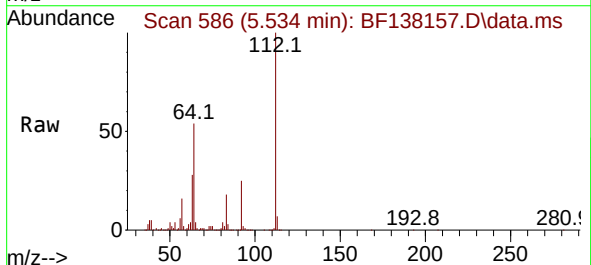
Instrument :
 BNA_F
 ClientSampleId :
 WCS-TPB

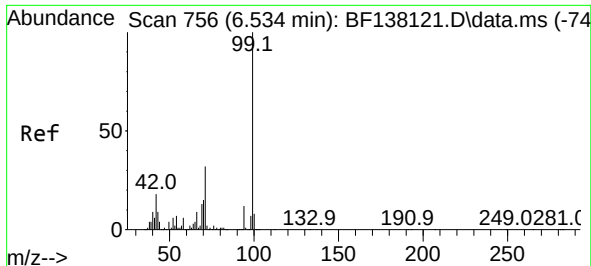
Tgt Ion:152 Resp: 398665
 Ion Ratio Lower Upper
 152 100
 150 156.0 121.8 182.6
 115 59.5 46.2 69.2



#5
 2-Fluorophenol
 Concen: 101.059 ng
 RT: 5.534 min Scan# 586
 Delta R.T. 0.006 min
 Lab File: BF138157.D
 Acq: 07 Jun 2024 13:36

Tgt Ion:112 Resp: 2364029
 Ion Ratio Lower Upper
 112 100
 64 53.9 44.0 66.0
 63 27.5 22.1 33.1





#7

Phenol-d6

Concen: 100.558 ng

RT: 6.528 min Scan# 755

Delta R.T. -0.006 min

Lab File: BF138157.D

Acq: 07 Jun 2024 13:36

Instrument :

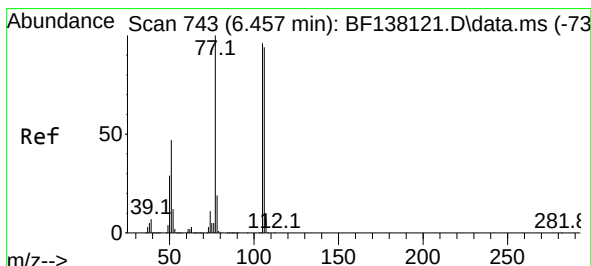
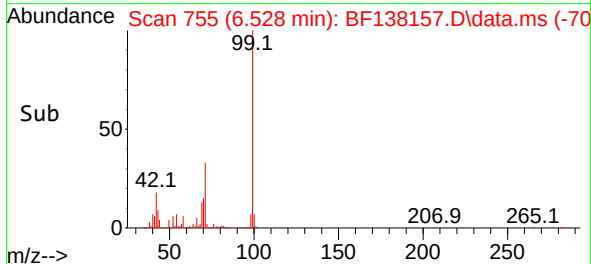
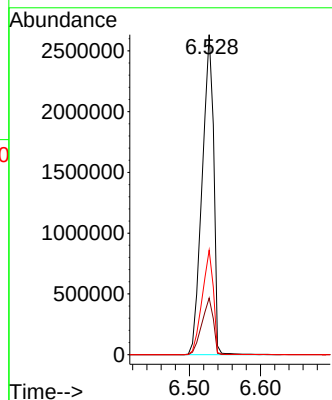
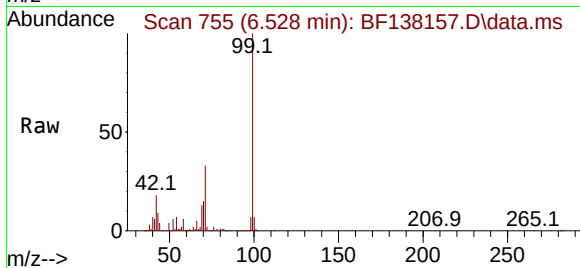
BNA_F

ClientSampleId :

WCS-TPB

Tgt Ion: 99 Resp: 2976216

Ion	Ratio	Lower	Upper
99	100		
42	17.7	14.4	21.6
71	32.7	25.5	38.3



#9

Benzaldehyde

Concen: Below Cal

RT: 6.528 min Scan# 755

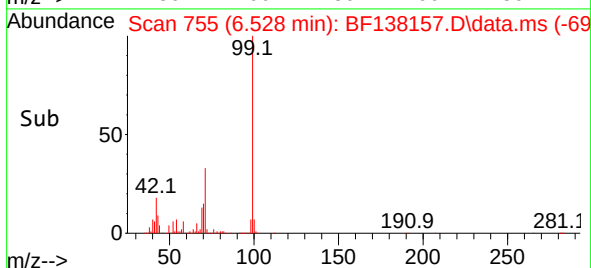
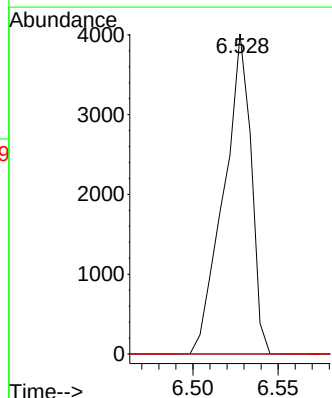
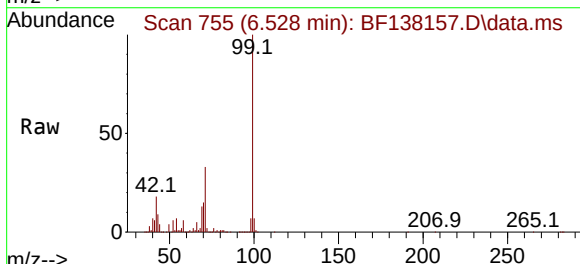
Delta R.T. 0.071 min

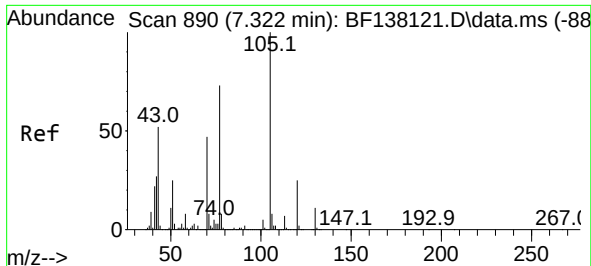
Lab File: BF138157.D

Acq: 07 Jun 2024 13:36

Tgt Ion: 77 Resp: 4469

Ion	Ratio	Lower	Upper
77	100		
105	0.0	75.8	115.8#
106	0.0	73.9	113.9#

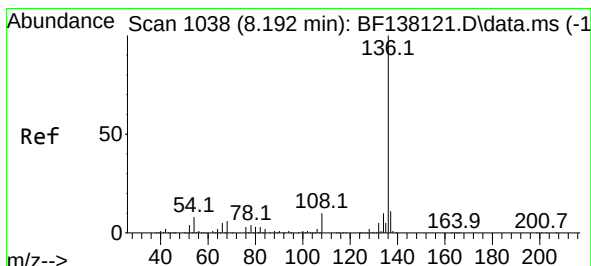
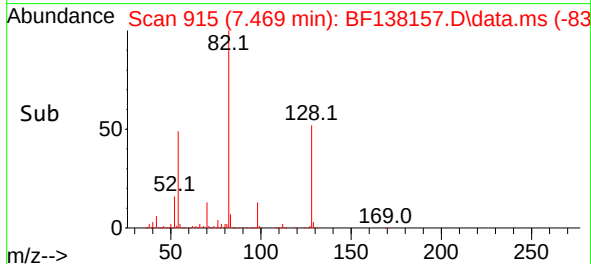
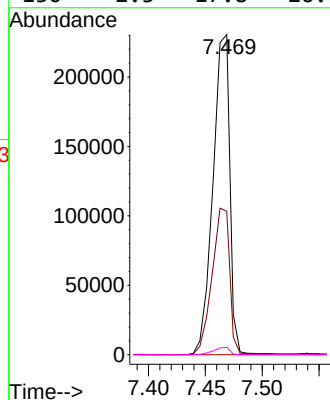
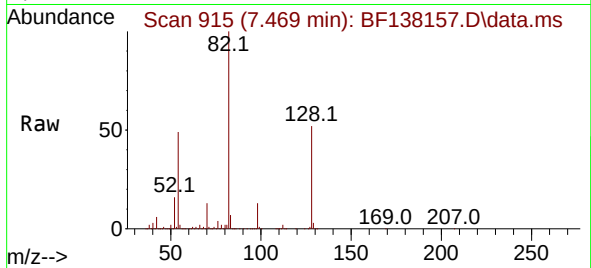




#19
n-Nitroso-di-n-propylamine
Concen: 12.654 ng
RT: 7.469 min Scan# 915
Delta R.T. 0.147 min
Lab File: BF138157.D
Acq: 07 Jun 2024 13:36

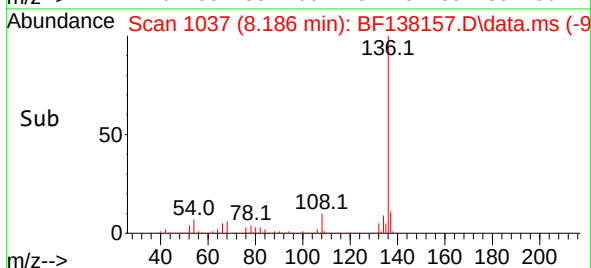
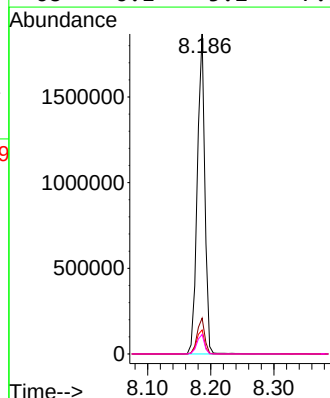
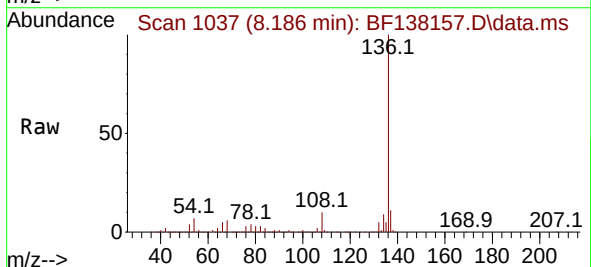
Instrument :
BNA_F
ClientSampleId :
WCS-TPB

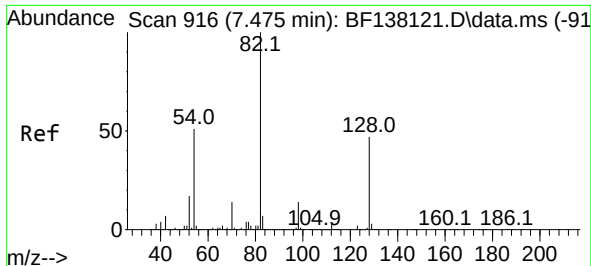
Tgt Ion: 70 Resp: 238809
Ion Ratio Lower Upper
70 100
42 44.8 46.3 69.5#
101 0.0 7.7 11.5#
130 2.3 17.8 26.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.186 min Scan# 1037
Delta R.T. -0.006 min
Lab File: BF138157.D
Acq: 07 Jun 2024 13:36

Tgt Ion: 136 Resp: 1545824
Ion Ratio Lower Upper
136 100
137 11.2 9.1 13.7
54 7.5 6.2 9.2
68 6.1 5.2 7.8

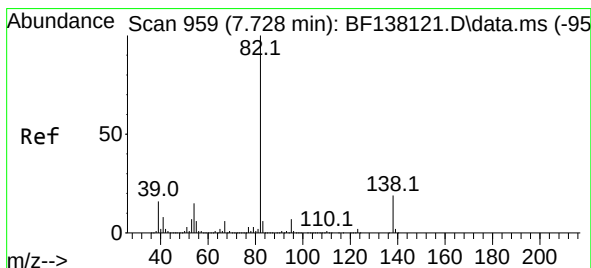
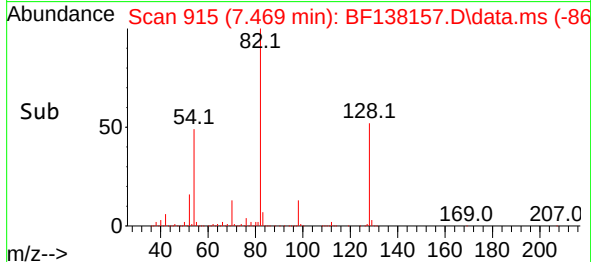
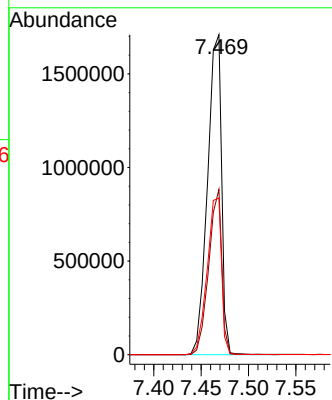
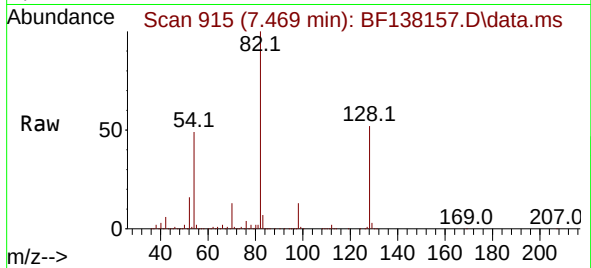




#23
Nitrobenzene-d5
Concen: 77.486 ng
RT: 7.469 min Scan# 915
Delta R.T. -0.006 min
Lab File: BF138157.D
Acq: 07 Jun 2024 13:36

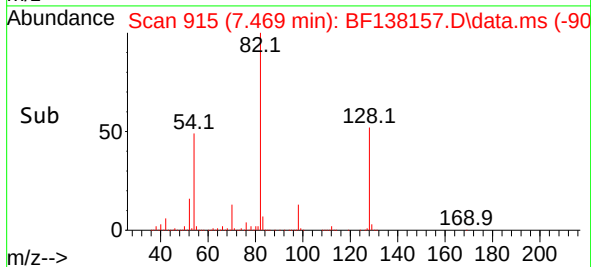
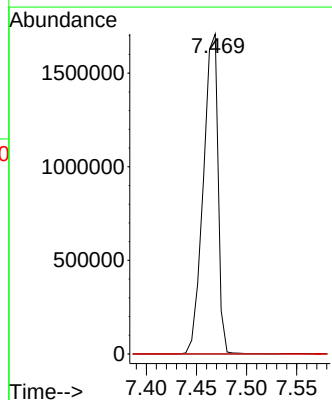
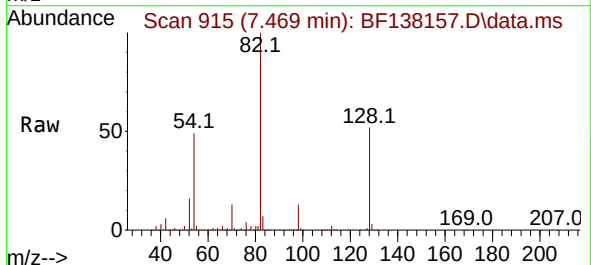
Instrument :
BNA_F
ClientSampleId :
WCS-TPB

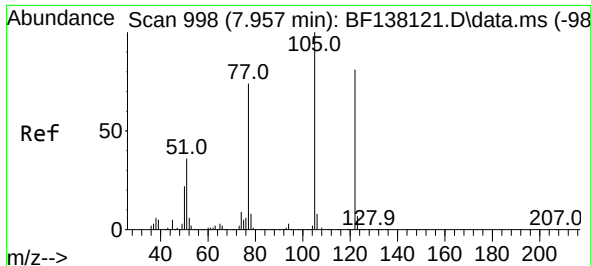
Tgt Ion: 82 Resp: 1760490
Ion Ratio Lower Upper
82 100
128 51.6 37.7 56.5
54 49.0 40.8 61.2



#25
Isophorone
Concen: 35.171 ng
RT: 7.469 min Scan# 915
Delta R.T. -0.259 min
Lab File: BF138157.D
Acq: 07 Jun 2024 13:36

Tgt Ion: 82 Resp: 1760458
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 15.5 23.3#

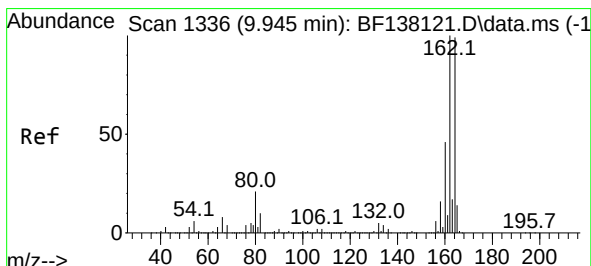
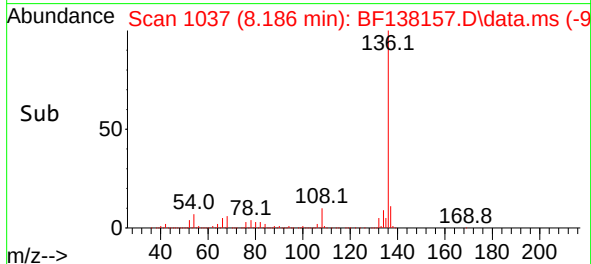
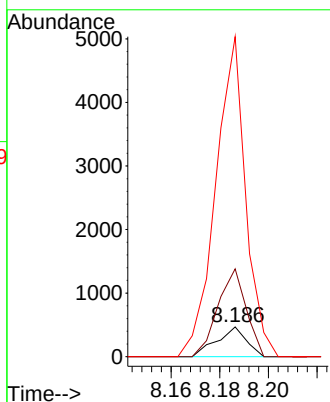
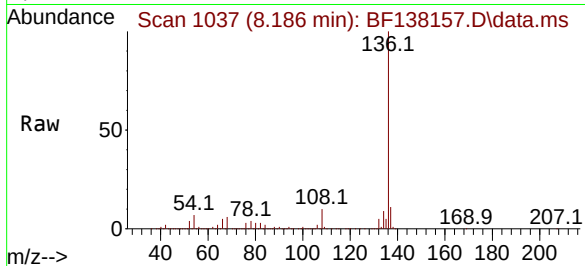




#32
Benzoic acid
Concen: 7.966 ng
RT: 8.186 min Scan# 10
Delta R.T. 0.229 min
Lab File: BF138157.D
Acq: 07 Jun 2024 13:36

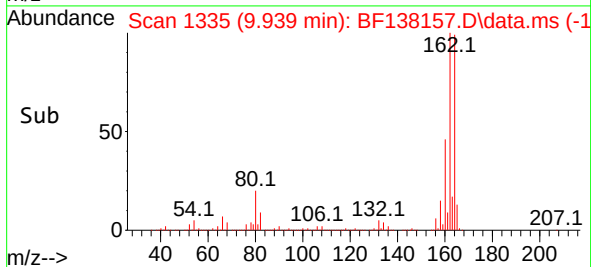
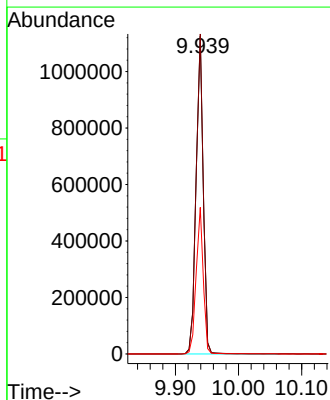
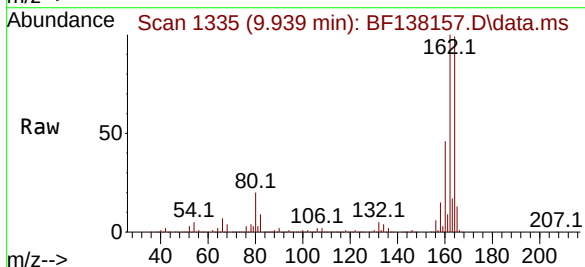
Instrument :
BNA_F
ClientSampleId :
WCS-TPB

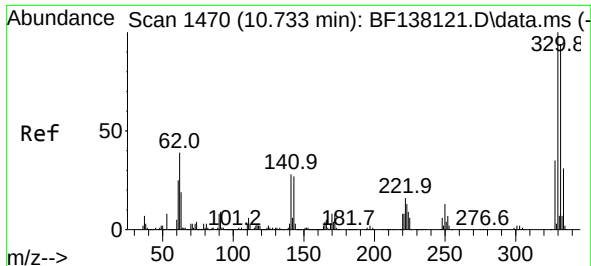
Tgt Ion:122 Resp: 393
Ion Ratio Lower Upper
122 100
105 295.5 102.8 142.8#
77 1075.6 71.2 111.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1335
Delta R.T. -0.006 min
Lab File: BF138157.D
Acq: 07 Jun 2024 13:36

Tgt Ion:164 Resp: 882601
Ion Ratio Lower Upper
164 100
162 100.7 80.9 121.3
160 46.1 37.0 55.6





#42

2,4,6-Tribromophenol

Concen: 103.345 ng

RT: 10.727 min Scan# 1469

Delta R.T. -0.006 min

Lab File: BF138157.D

Acq: 07 Jun 2024 13:36

Instrument :

BNA_F

ClientSampleId :

WCS-TPB

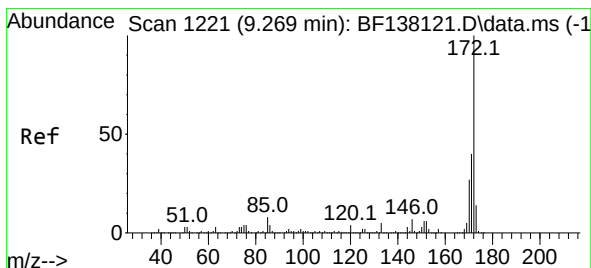
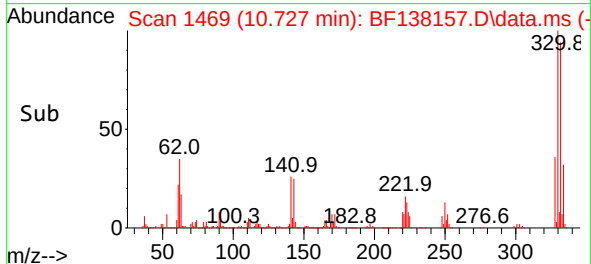
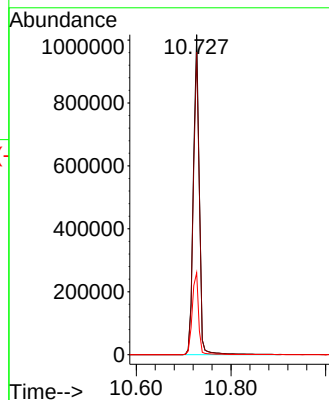
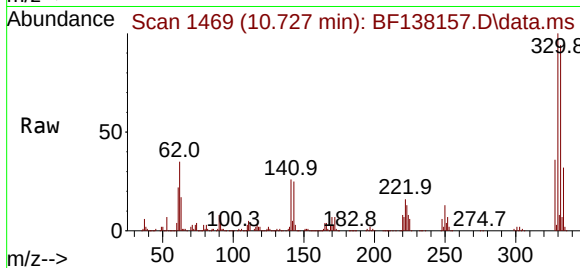
Tgt Ion:330 Resp: 877805

Ion Ratio Lower Upper

330 100

332 95.0 75.8 113.8

141 27.5 23.2 34.8



#45

2-Fluorobiphenyl

Concen: 64.407 ng

RT: 9.263 min Scan# 1220

Delta R.T. -0.006 min

Lab File: BF138157.D

Acq: 07 Jun 2024 13:36

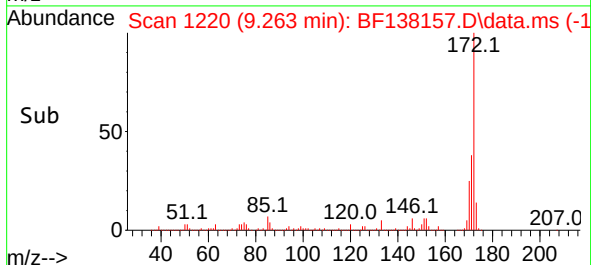
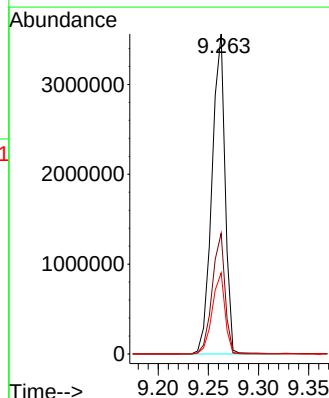
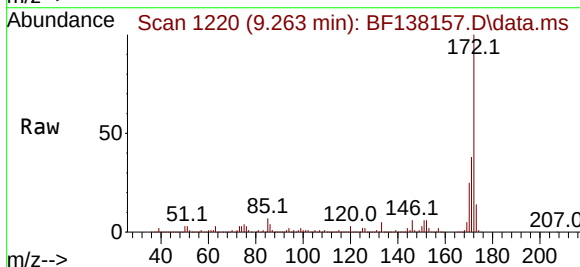
Tgt Ion:172 Resp: 3251055

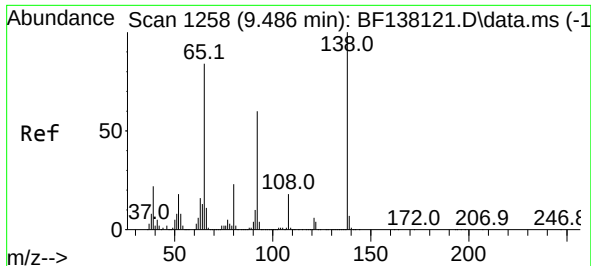
Ion Ratio Lower Upper

172 100

171 37.7 31.6 47.4

170 25.4 21.4 32.2

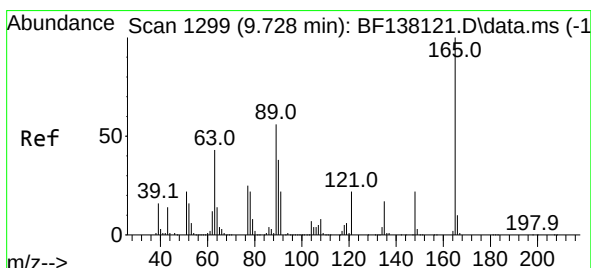
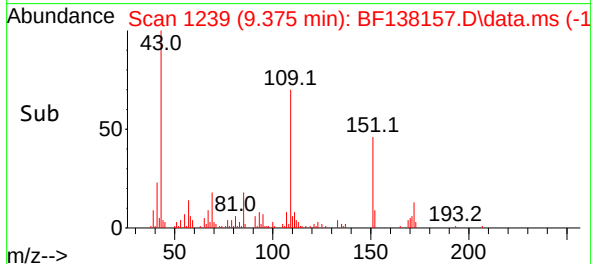
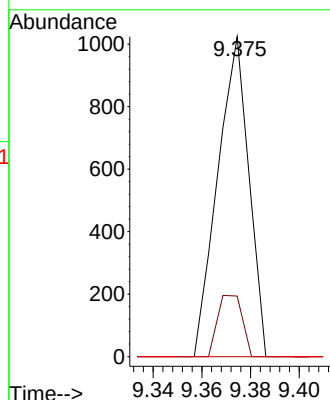
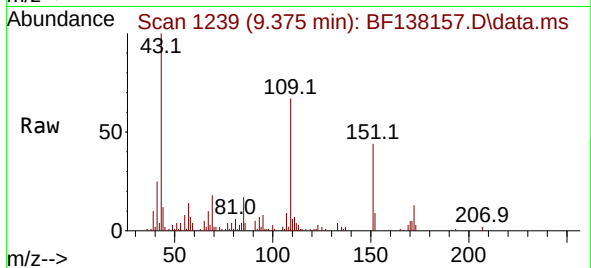




#48
2-Nitroaniline
Concen: 4.863 ng
RT: 9.375 min Scan# 11
Delta R.T. -0.111 min
Lab File: BF138157.D
Acq: 07 Jun 2024 13:36

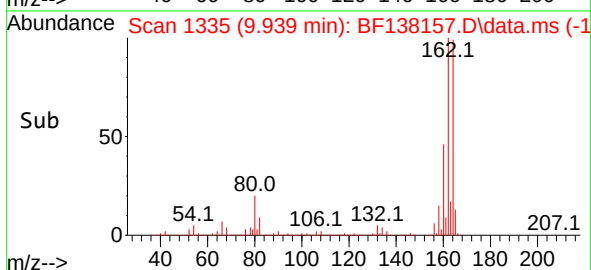
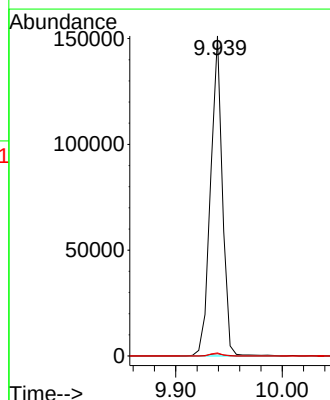
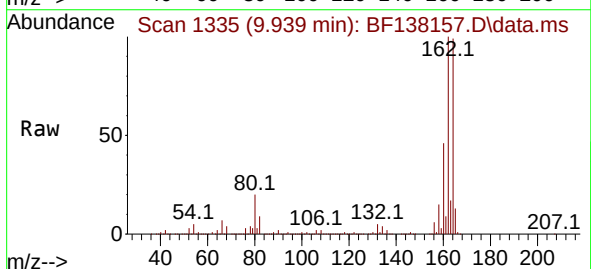
Instrument :
BNA_F
ClientSampleId :
WCS-TPB

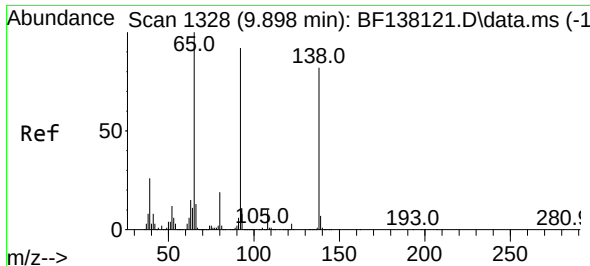
Tgt Ion: 65 Resp: 908
Ion Ratio Lower Upper
65 100
92 18.9 57.3 85.9#
138 0.0 95.4 143.2#



#51
2,6-Dinitrotoluene
Concen: 12.395 ng
RT: 9.939 min Scan# 1335
Delta R.T. 0.211 min
Lab File: BF138157.D
Acq: 07 Jun 2024 13:36

Tgt Ion:165 Resp: 116487
Ion Ratio Lower Upper
165 100
63 0.7 42.9 64.3#
89 0.9 45.0 67.4#

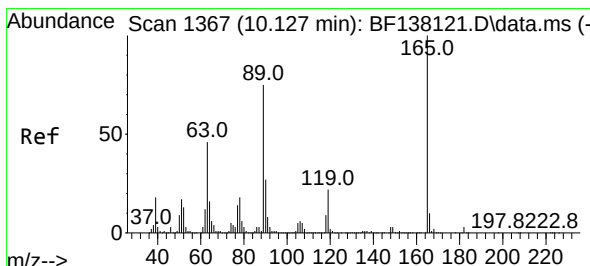
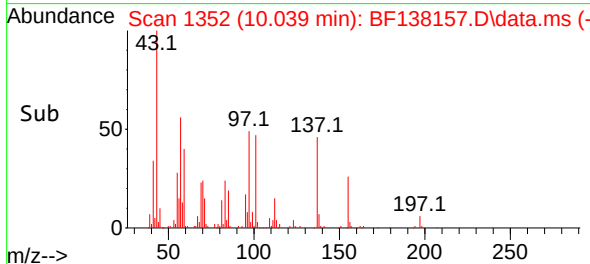
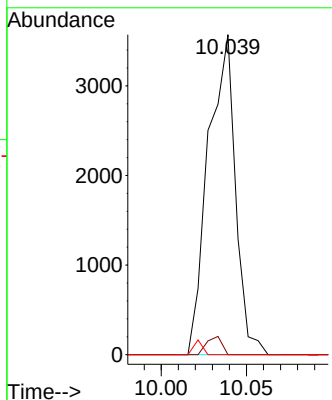
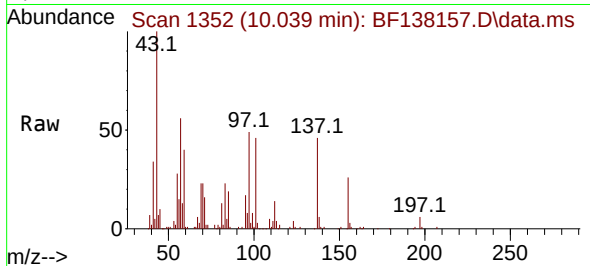




#53
3-Nitroaniline
Concen: 3.254 ng
RT: 10.039 min Scan# 11
Delta R.T. 0.141 min
Lab File: BF138157.D
Acq: 07 Jun 2024 13:36

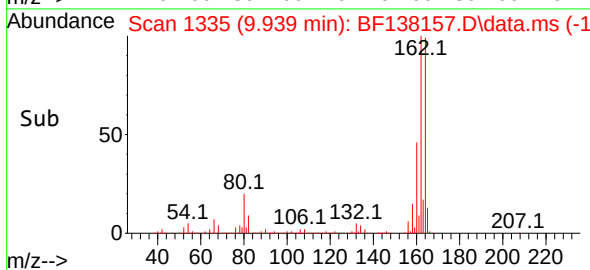
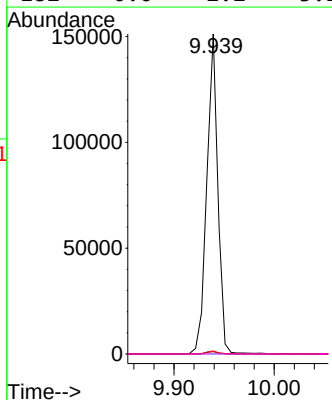
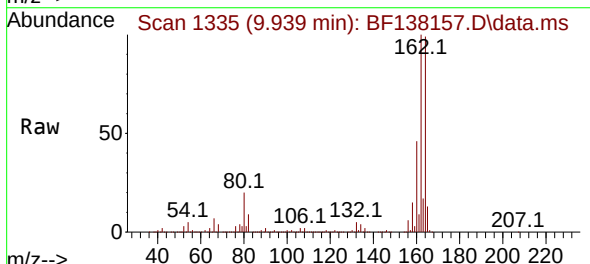
Instrument :
BNA_F
ClientSampleId :
WCS-TPB

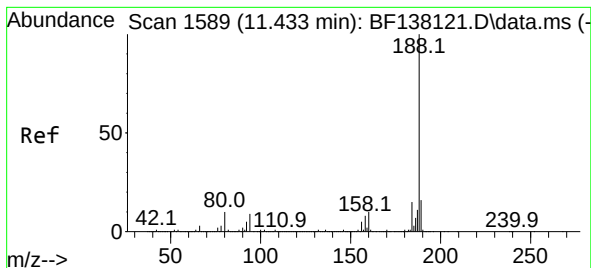
Tgt Ion:138 Resp: 3974
Ion Ratio Lower Upper
138 100
108 0.0 10.3 15.5#
92 0.0 89.5 134.3#



#57
2,4-Dinitrotoluene
Concen: 11.274 ng
RT: 9.939 min Scan# 1335
Delta R.T. -0.188 min
Lab File: BF138157.D
Acq: 07 Jun 2024 13:36

Tgt Ion:165 Resp: 116489
Ion Ratio Lower Upper
165 100
63 0.7 36.8 55.2#
89 0.9 60.2 90.2#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.421 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF138157.D

Acq: 07 Jun 2024 13:36

Instrument :

BNA_F

ClientSampleId :

WCS-TPB

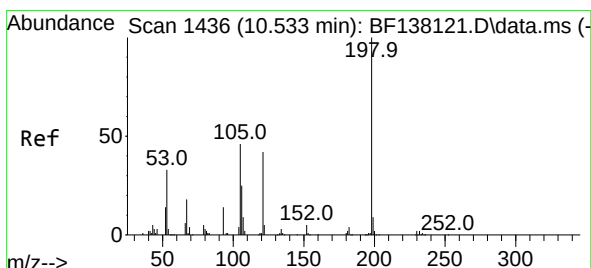
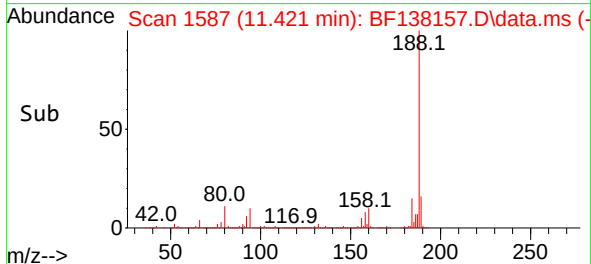
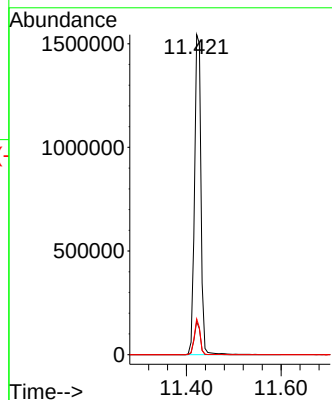
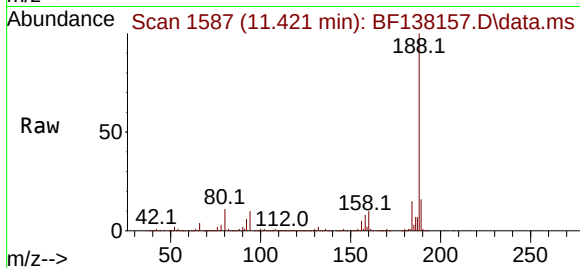
Tgt Ion:188 Resp: 1453533

Ion Ratio Lower Upper

188 100

94 10.3 7.4 11.2

80 11.2 7.7 11.5



#65

4,6-Dinitro-2-methylphenol

Concen: 8.706 ng

RT: 10.727 min Scan# 1469

Delta R.T. 0.194 min

Lab File: BF138157.D

Acq: 07 Jun 2024 13:36

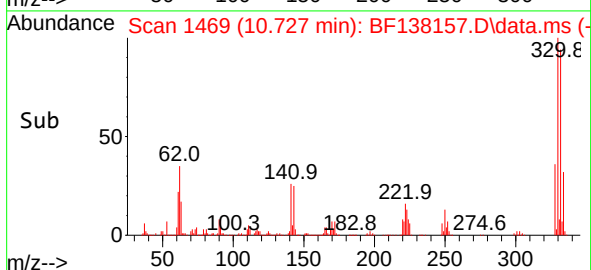
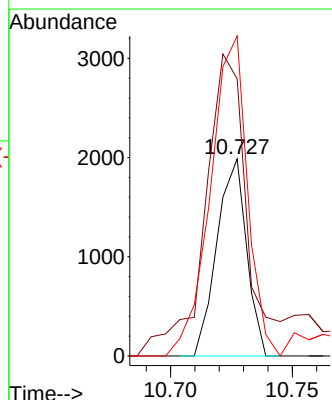
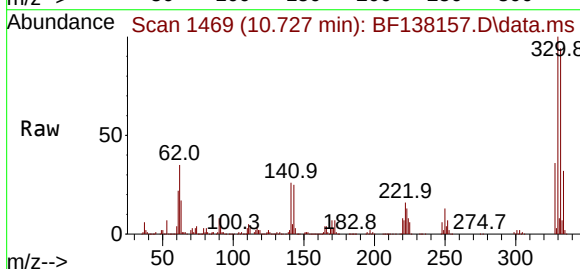
Tgt Ion:198 Resp: 1678

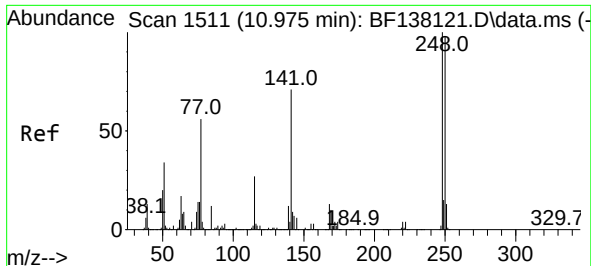
Ion Ratio Lower Upper

198 100

51 140.6 28.2 68.2#

105 162.4 26.8 66.8#

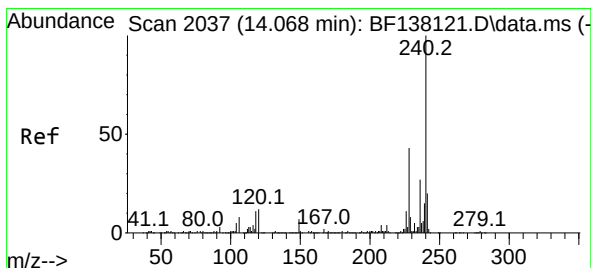
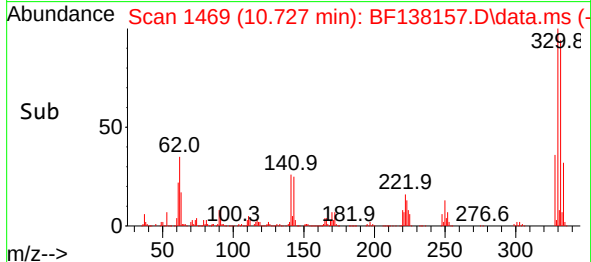
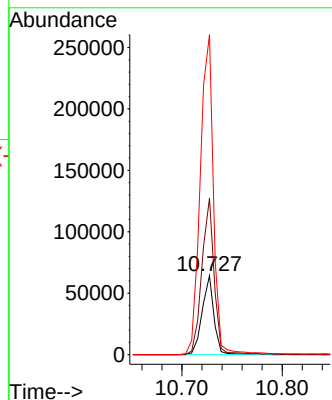
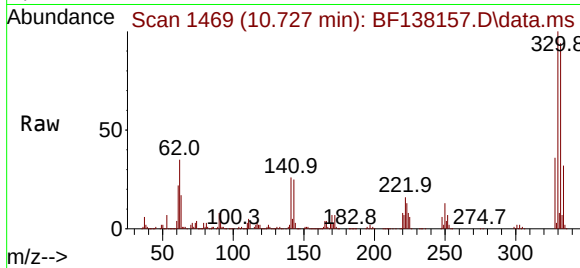




#67
4-Bromophenyl-phenylether
Concen: 3.203 ng
RT: 10.727 min Scan# 1469
Delta R.T. -0.247 min
Lab File: BF138157.D
Acq: 07 Jun 2024 13:36

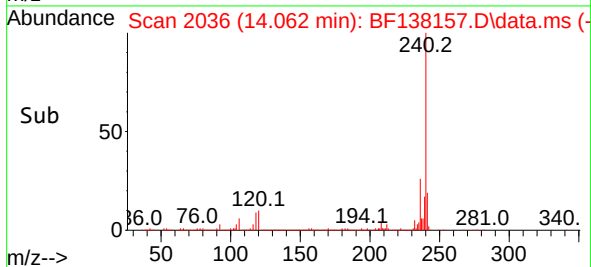
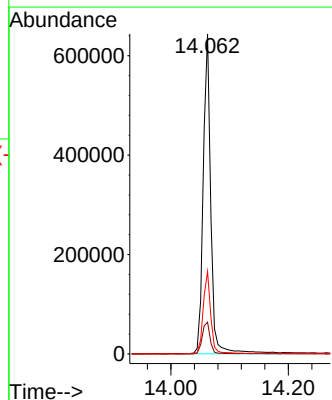
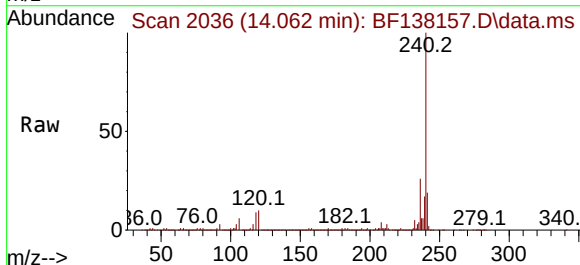
Instrument :
BNA_F
ClientSampleId :
WCS-TPB

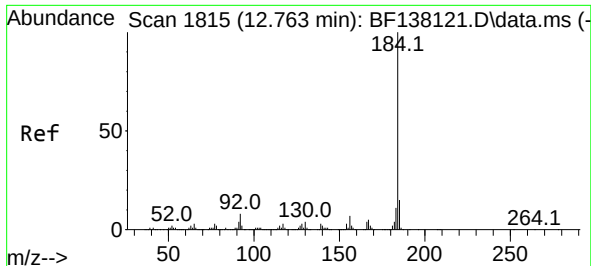
Tgt Ion:248 Resp: 53018
Ion Ratio Lower Upper
248 100
250 197.8 78.7 118.1#
141 404.6 56.5 84.7#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.062 min Scan# 2036
Delta R.T. -0.006 min
Lab File: BF138157.D
Acq: 07 Jun 2024 13:36

Tgt Ion:240 Resp: 579289
Ion Ratio Lower Upper
240 100
120 10.0 9.8 14.8
236 25.8 21.2 31.8

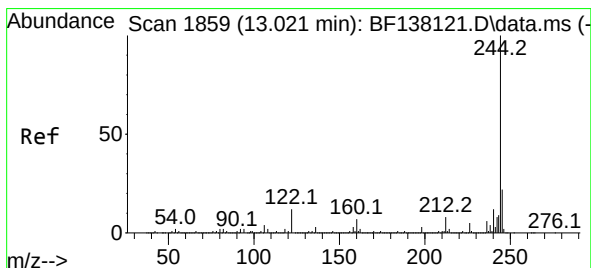
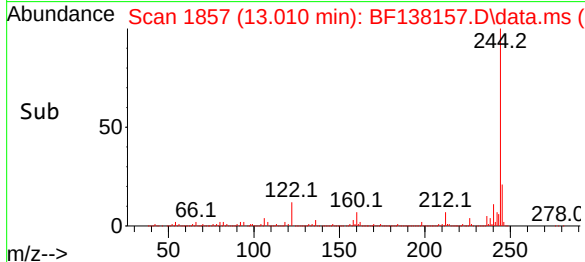
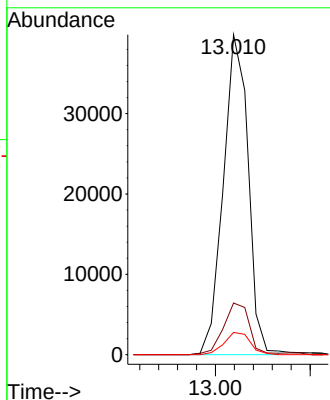
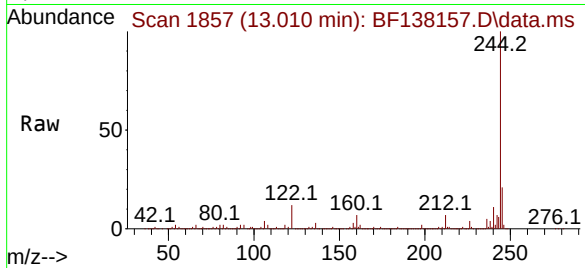




#77
Benzidine
Concen: 6.077 ng
RT: 13.010 min Scan# 1857
Delta R.T. 0.247 min
Lab File: BF138157.D
Acq: 07 Jun 2024 13:36

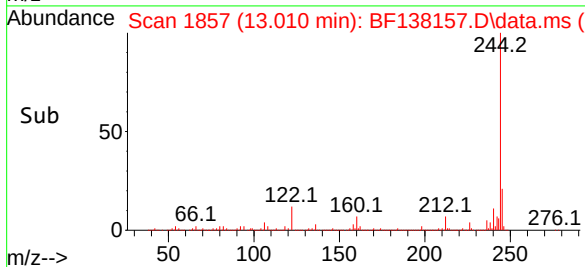
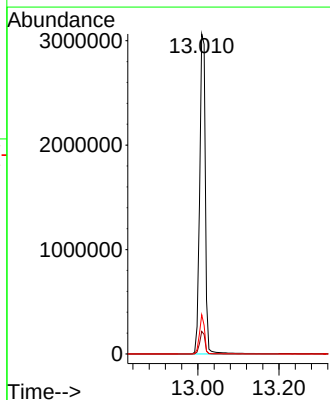
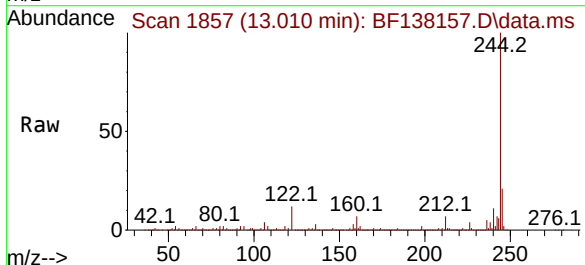
Instrument :
BNA_F
ClientSampleId :
WCS-TPB

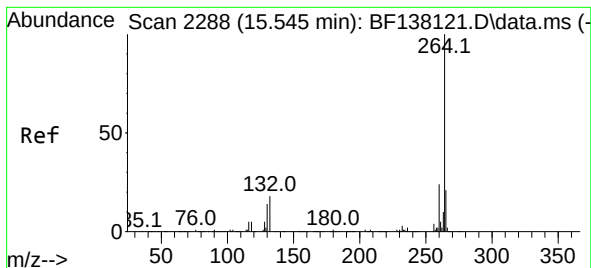
Tgt Ion:184 Resp: 36227
Ion Ratio Lower Upper
184 100
185 16.2 12.2 18.2
183 6.9 9.0 13.4#



#79
Terphenyl-d14
Concen: 77.652 ng
RT: 13.010 min Scan# 1857
Delta R.T. -0.012 min
Lab File: BF138157.D
Acq: 07 Jun 2024 13:36

Tgt Ion:244 Resp: 3007399
Ion Ratio Lower Upper
244 100
212 7.0 6.4 9.6
122 12.2 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: BF138157.D

Acq: 07 Jun 2024 13:36

Instrument :

BNA_F

ClientSampleId :

WCS-TPB

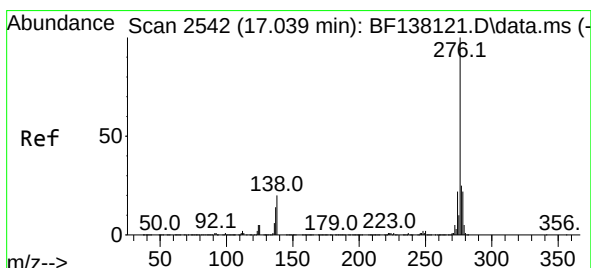
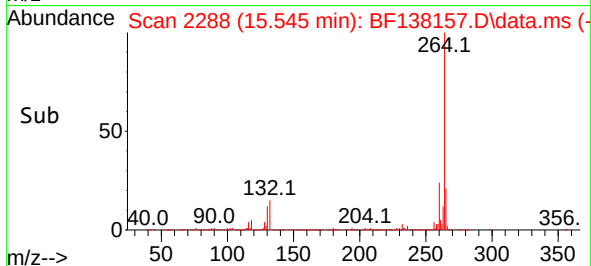
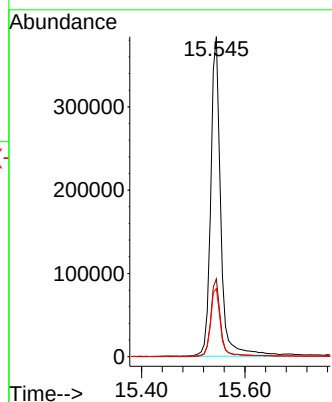
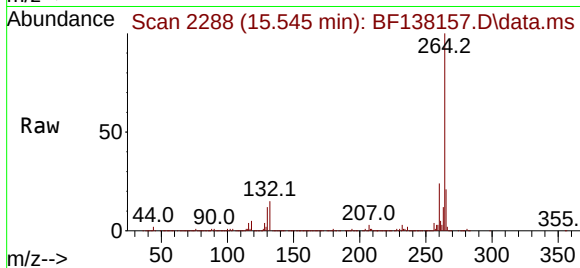
Tgt Ion:264 Resp: 514906

Ion Ratio Lower Upper

264 100

260 24.3 19.4 29.2

265 21.3 17.1 25.7



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.423 ng

RT: 16.998 min Scan# 2535

Delta R.T. -0.041 min

Lab File: BF138157.D

Acq: 07 Jun 2024 13:36

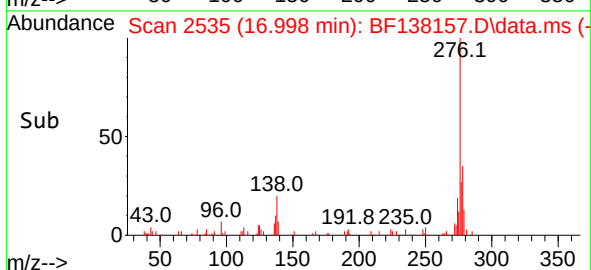
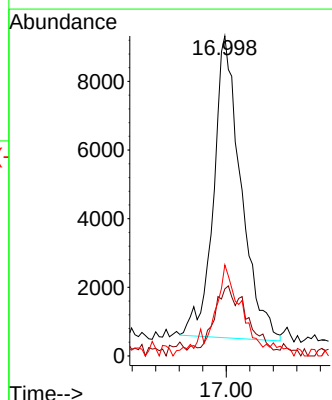
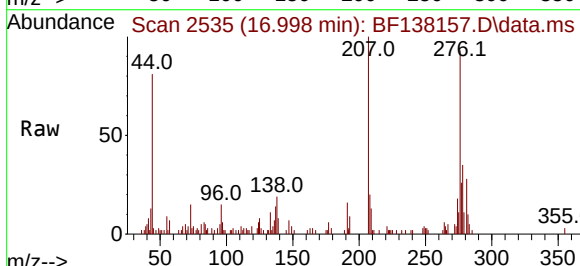
Tgt Ion:276 Resp: 28428

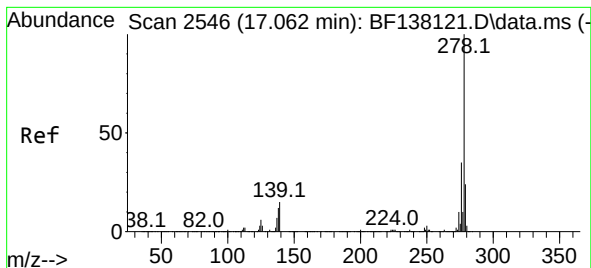
Ion Ratio Lower Upper

276 100

138 28.5 18.9 28.3#

277 22.3 20.3 30.5





#91

Dibenzo(a,h)anthracene

Concen: 4.821 ng

RT: 17.027 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF138157.D

Acq: 07 Jun 2024 13:36

Instrument :

BNA_F

ClientSampleId :

WCS-TPB

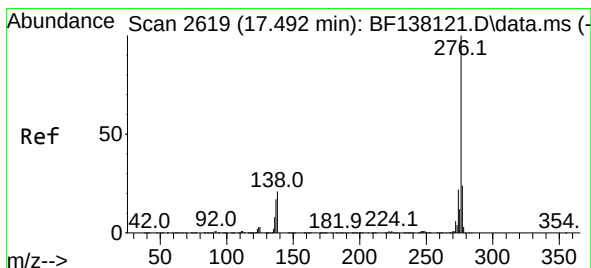
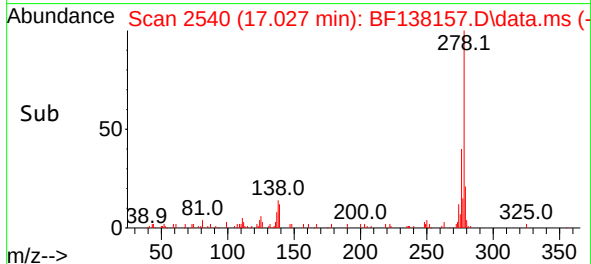
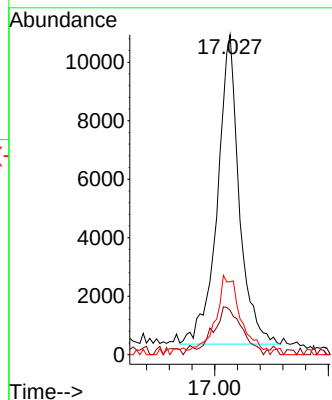
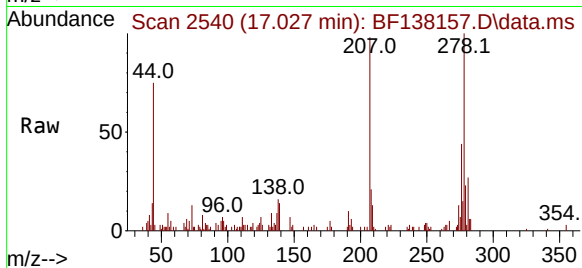
Tgt Ion:278 Resp: 28298

Ion Ratio Lower Upper

278 100

139 13.8 11.7 17.5

279 22.8 19.2 28.8



#92

Benzo(g,h,i)perylene

Concen: 3.571 ng

RT: 17.445 min Scan# 2611

Delta R.T. -0.047 min

Lab File: BF138157.D

Acq: 07 Jun 2024 13:36

Tgt Ion:276 Resp: 14560

Ion Ratio Lower Upper

276 100

277 27.0 19.0 28.4

138 19.5 16.5 24.7

