

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060724\
 Data File : BF138166.D
 Acq On : 07 Jun 2024 18:05
 Operator : CG\JU
 Sample : P2707-06
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SW-04

Quant Time: Jun 07 22:53:28 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)

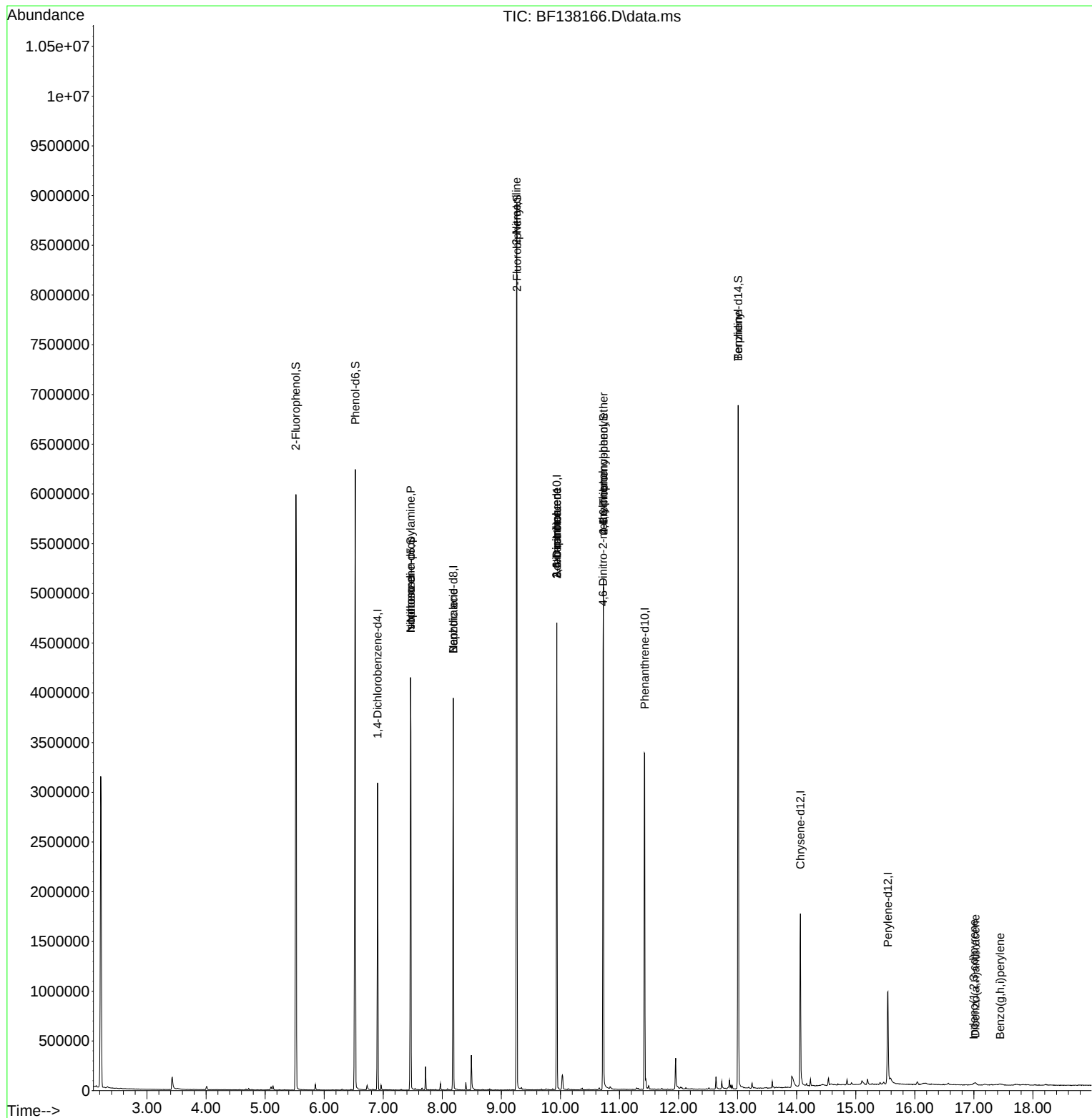
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	401462	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	1555826	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	858258	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	1313136	20.000	ng	0.00
76) Chrysene-d12	14.063	240	608291	20.000	ng	# 0.00
86) Perylene-d12	15.545	264	516279	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	1816557	77.114	ng	0.00
7) Phenol-d6	6.528	99	2304370	77.316	ng	0.00
23) Nitrobenzene-d5	7.463	82	1353211	59.177	ng	-0.01
42) 2,4,6-Tribromophenol	10.727	330	666856	80.737	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	2750109	56.028	ng	0.00
79) Terphenyl-d14	13.010	244	2281224	56.093	ng	-0.01
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.451	77	135	Below Cal	#	45
19) n-Nitroso-di-n-propyla...	7.463	70	180744	9.511 ng	#	78
25) Isophorone	7.463	82	1353197	26.861 ng	#	63
32) Benzoic acid	8.186	122	343	7.962 ng	#	1
48) 2-Nitroaniline	9.257	65	4396	5.128 ng	#	1
51) 2,6-Dinitrotoluene	9.939	165	112490	12.332 ng	#	25
53) 3-Nitroaniline	9.939	138	154	2.957 ng	#	1
57) 2,4-Dinitrotoluene	9.939	165	112492	11.222 ng	#	22
65) 4,6-Dinitro-2-methylph...	10.722	198	1470	8.697 ng	#	1
67) 4-Bromophenyl-phenylether	10.727	248	40902	2.736 ng	#	1
77) Benzidine	13.010	184	27310	4.363 ng	#	92
87) Indeno(1,2,3-cd)pyrene	16.998	276	10212	3.820 ng	#	94
91) Dibenzo(a,h)anthracene	17.027	278	15806	4.305 ng		99
92) Benzo(g,h,i)perylene	17.445	276	8039	3.307 ng		92

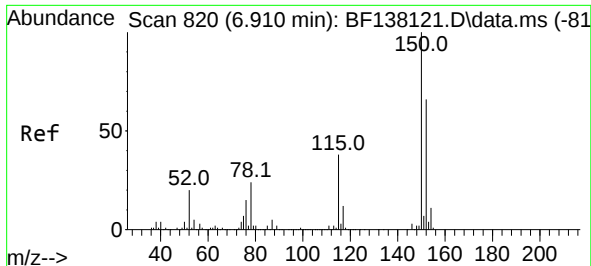
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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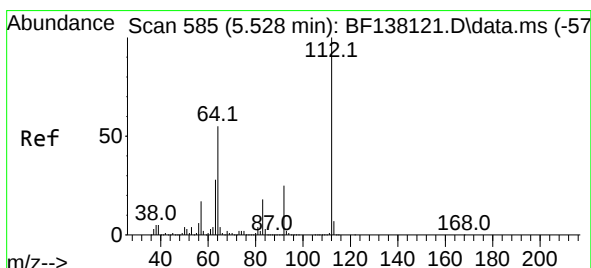
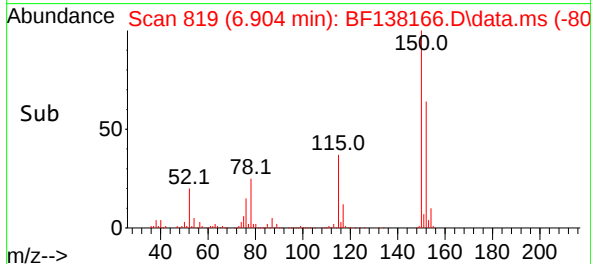
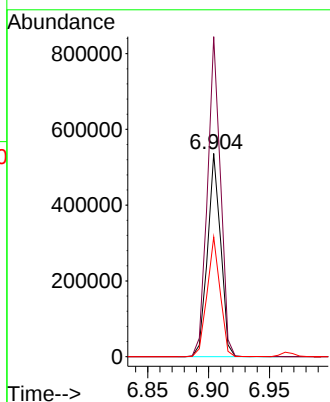
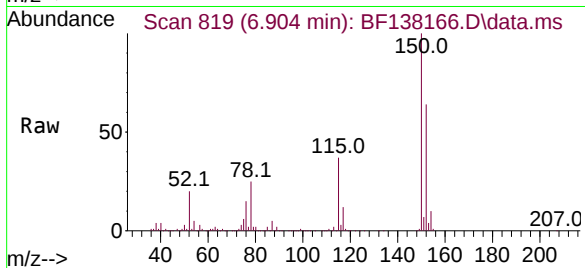




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF138166.D
Acq: 07 Jun 2024 18:05

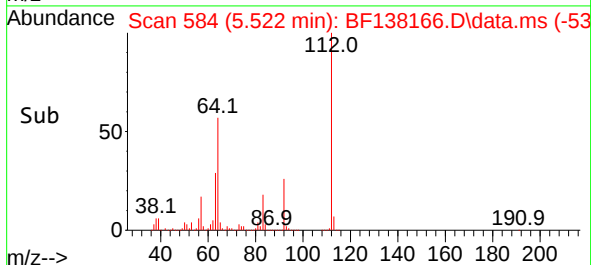
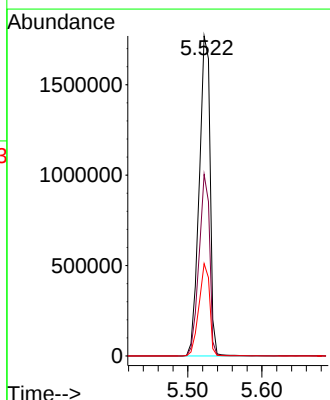
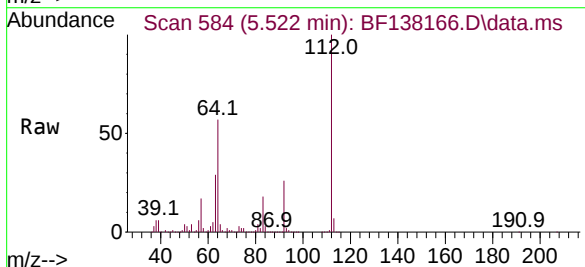
Instrument :
BNA_F
ClientSampleId :
SW-04

Tgt Ion:152 Resp: 401462
Ion Ratio Lower Upper
152 100
150 157.5 121.8 182.6
115 58.9 46.2 69.2



#5
2-Fluorophenol
Concen: 77.114 ng
RT: 5.522 min Scan# 584
Delta R.T. -0.006 min
Lab File: BF138166.D
Acq: 07 Jun 2024 18:05

Tgt Ion:112 Resp: 1816557
Ion Ratio Lower Upper
112 100
64 56.8 44.0 66.0
63 28.8 22.1 33.1

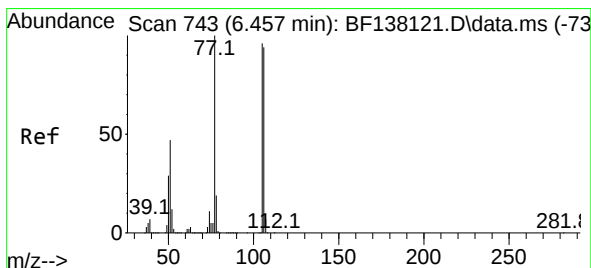
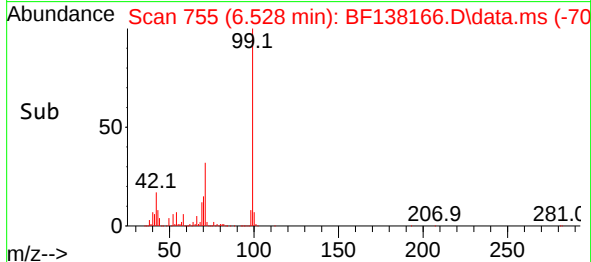
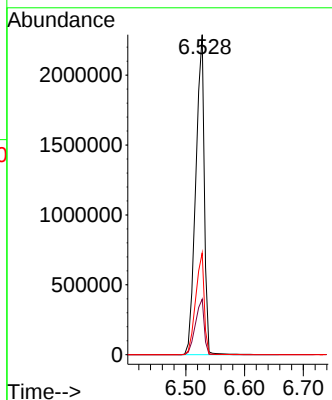
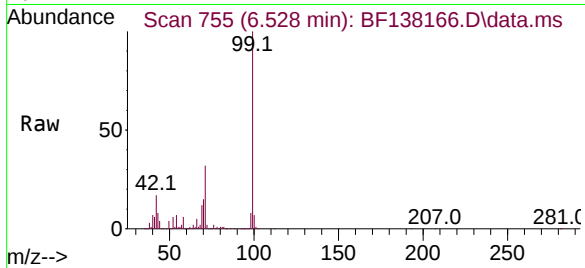




#7
Phenol-d6
Concen: 77.316 ng
RT: 6.528 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF138166.D
Acq: 07 Jun 2024 18:05

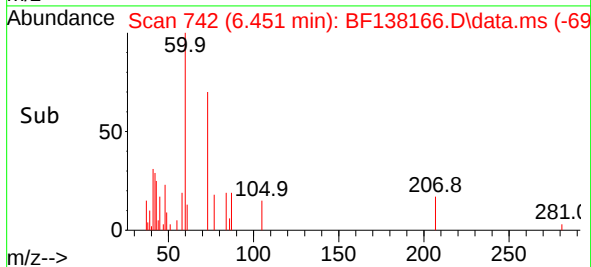
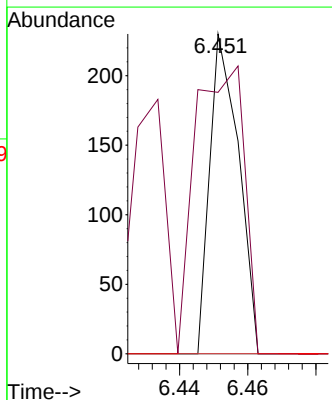
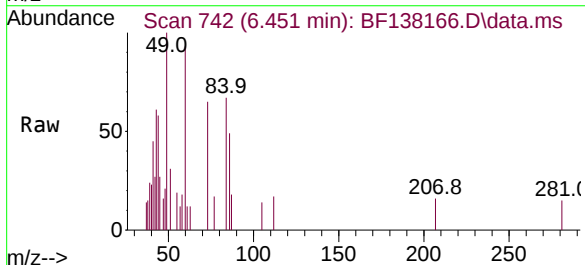
Instrument :
BNA_F
ClientSampleId :
SW-04

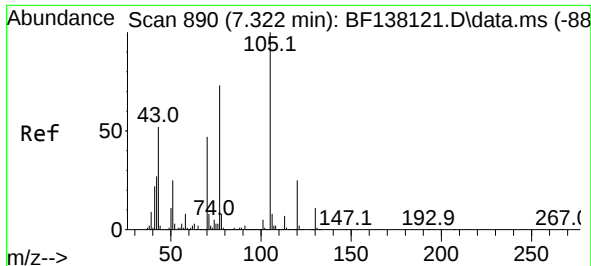
Tgt Ion: 99 Resp: 2304370
Ion Ratio Lower Upper
99 100
42 17.4 14.4 21.6
71 31.8 25.5 38.3



#9
Benzaldehyde
Concen: Below Cal
RT: 6.451 min Scan# 742
Delta R.T. -0.006 min
Lab File: BF138166.D
Acq: 07 Jun 2024 18:05

Tgt Ion: 77 Resp: 135
Ion Ratio Lower Upper
77 100
105 81.7 75.8 115.8
106 0.0 73.9 113.9#

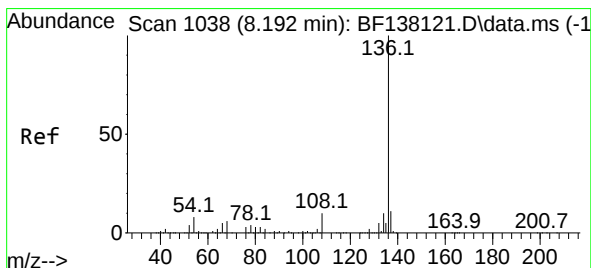
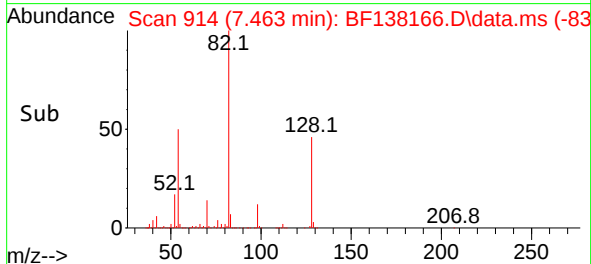
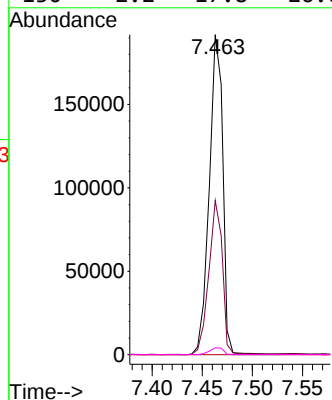
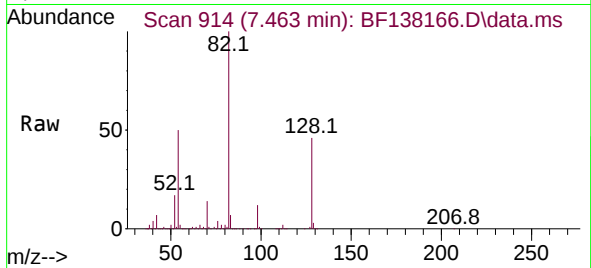




#19
n-Nitroso-di-n-propylamine
Concen: 9.511 ng
RT: 7.463 min Scan# 914
Delta R.T. 0.141 min
Lab File: BF138166.D
Acq: 07 Jun 2024 18:05

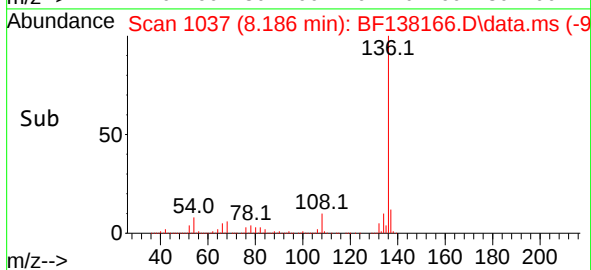
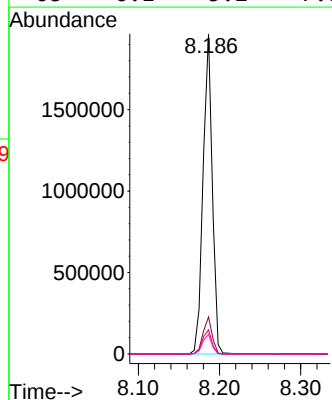
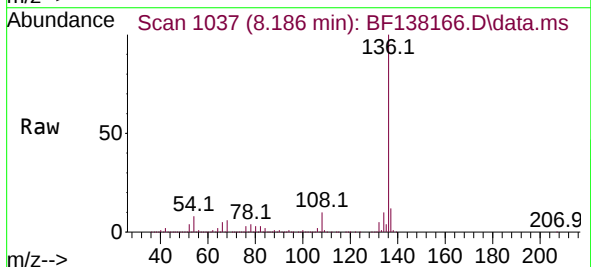
Instrument :
BNA_F
ClientSampleId :
SW-04

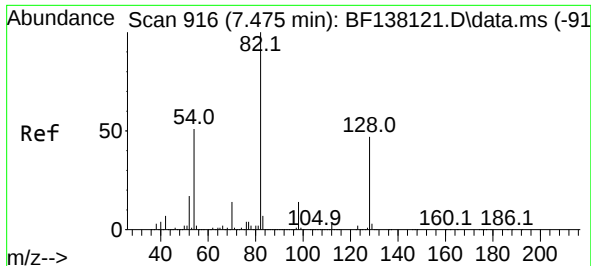
Tgt Ion: 70 Resp: 180744
Ion Ratio Lower Upper
70 100
42 48.2 46.3 69.5
101 0.0 7.7 11.5#
130 2.2 17.8 26.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.186 min Scan# 1037
Delta R.T. -0.006 min
Lab File: BF138166.D
Acq: 07 Jun 2024 18:05

Tgt Ion:136 Resp: 1555826
Ion Ratio Lower Upper
136 100
137 11.6 9.1 13.7
54 7.6 6.2 9.2
68 6.1 5.2 7.8

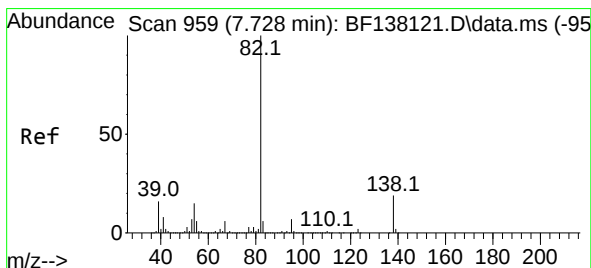
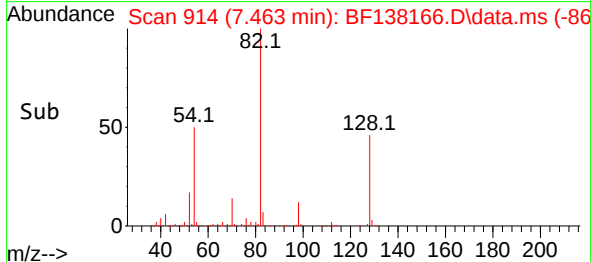
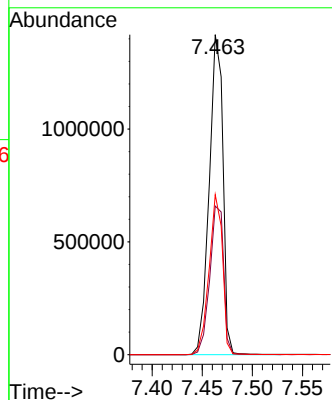
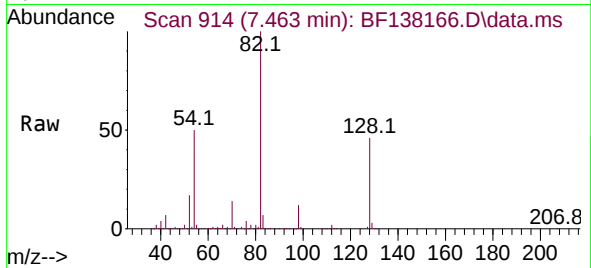




#23
Nitrobenzene-d5
Concen: 59.177 ng
RT: 7.463 min Scan# 914
Delta R.T. -0.012 min
Lab File: BF138166.D
Acq: 07 Jun 2024 18:05

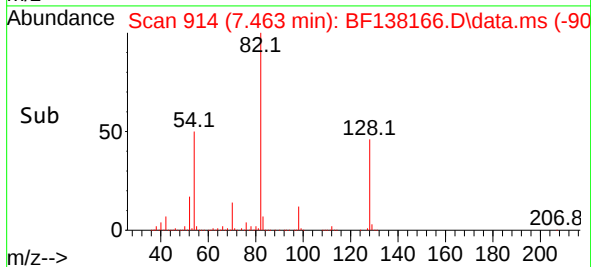
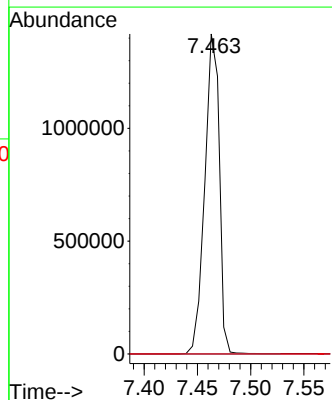
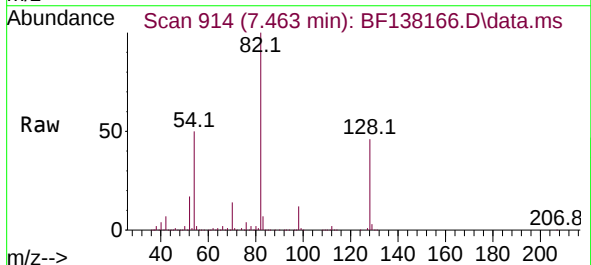
Instrument :
BNA_F
ClientSampleId :
SW-04

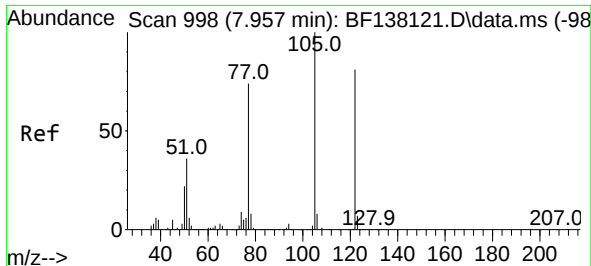
Tgt Ion: 82 Resp: 1353211
Ion Ratio Lower Upper
82 100
128 46.5 37.7 56.5
54 50.0 40.8 61.2



#25
Isophorone
Concen: 26.861 ng
RT: 7.463 min Scan# 914
Delta R.T. -0.265 min
Lab File: BF138166.D
Acq: 07 Jun 2024 18:05

Tgt Ion: 82 Resp: 1353197
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 15.5 23.3#

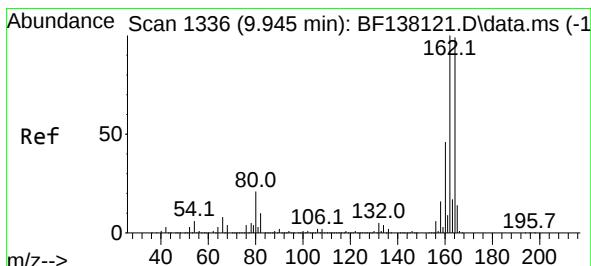
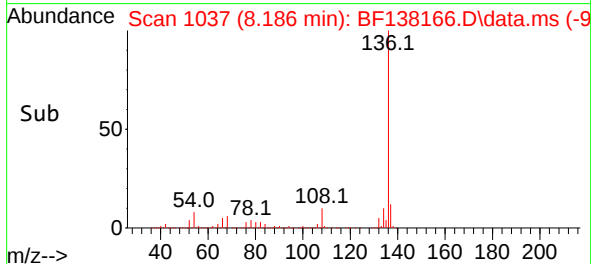
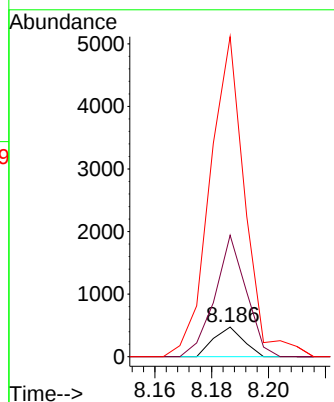
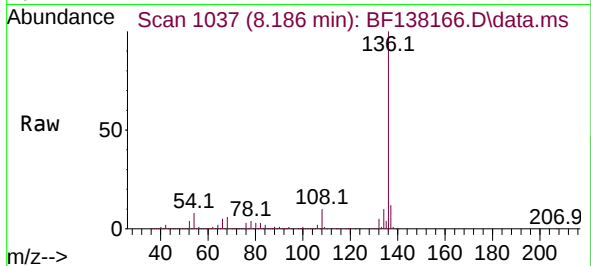




#32
Benzoic acid
Concen: 7.962 ng
RT: 8.186 min Scan# 10
Delta R.T. 0.229 min
Lab File: BF138166.D
Acq: 07 Jun 2024 18:05

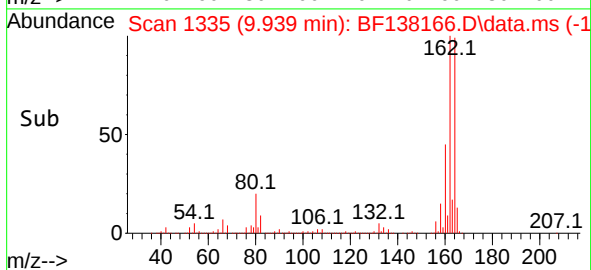
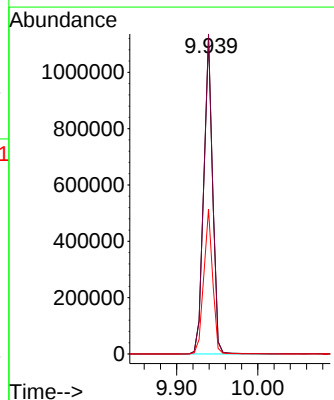
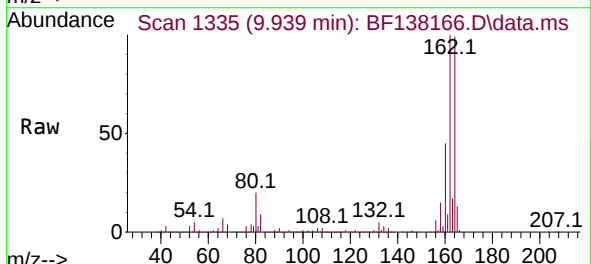
Instrument :
BNA_F
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SW-04

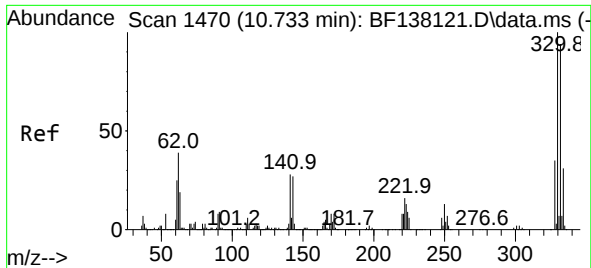
Tgt Ion:122 Resp: 343
Ion Ratio Lower Upper
122 100
105 410.1 102.8 142.8#
77 1081.2 71.2 111.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1335
Delta R.T. -0.006 min
Lab File: BF138166.D
Acq: 07 Jun 2024 18:05

Tgt Ion:164 Resp: 858258
Ion Ratio Lower Upper
164 100
162 101.2 80.9 121.3
160 45.8 37.0 55.6





#42

2,4,6-Tribromophenol

Concen: 80.737 ng

RT: 10.727 min Scan# 1469

Delta R.T. -0.006 min

Lab File: BF138166.D

Acq: 07 Jun 2024 18:05

Instrument :

BNA_F

ClientSampleId :

SW-04

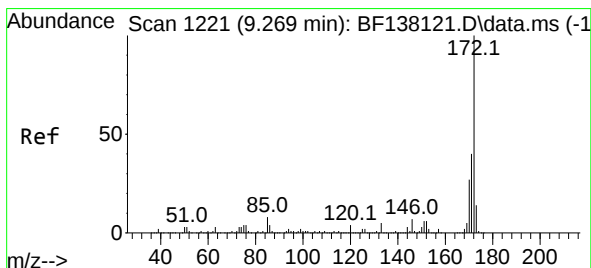
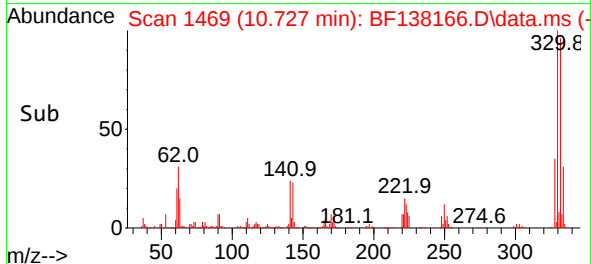
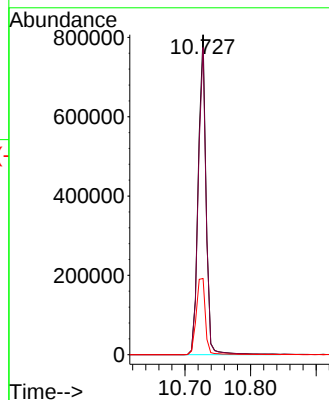
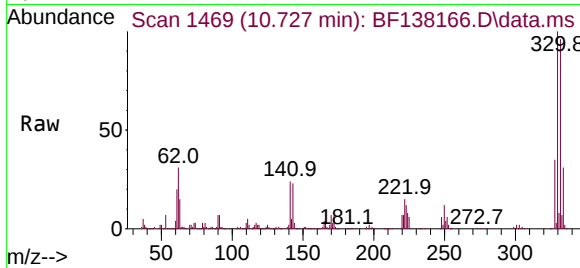
Tgt Ion:330 Resp: 666856

Ion Ratio Lower Upper

330 100

332 96.7 75.8 113.8

141 28.2 23.2 34.8



#45

2-Fluorobiphenyl

Concen: 56.028 ng

RT: 9.263 min Scan# 1220

Delta R.T. -0.006 min

Lab File: BF138166.D

Acq: 07 Jun 2024 18:05

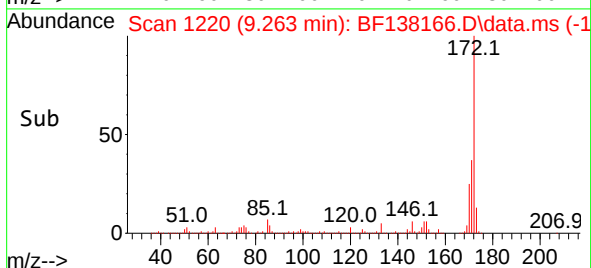
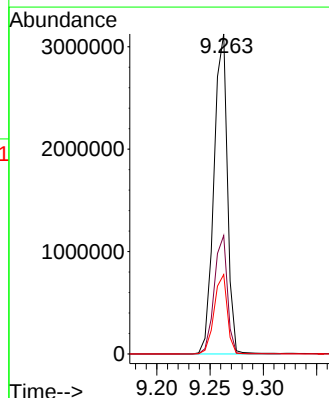
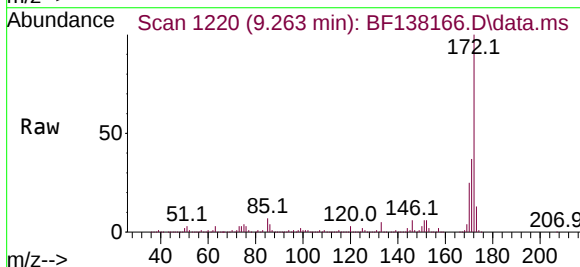
Tgt Ion:172 Resp: 2750109

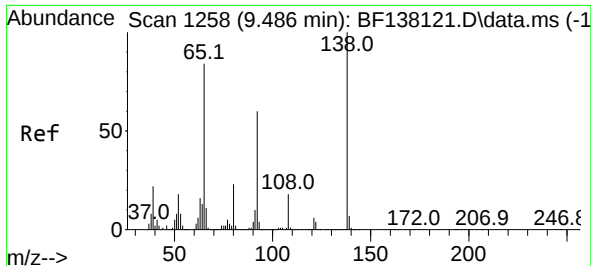
Ion Ratio Lower Upper

172 100

171 37.0 31.6 47.4

170 24.8 21.4 32.2

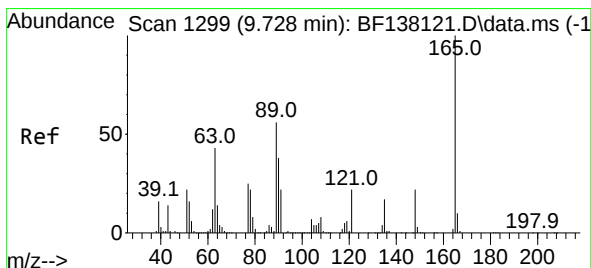
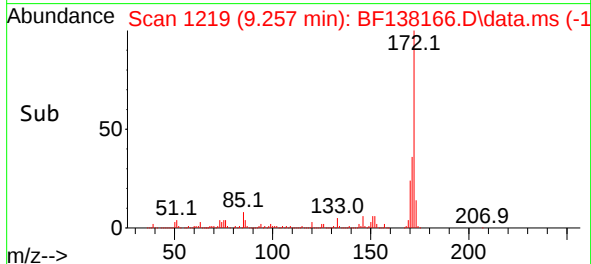
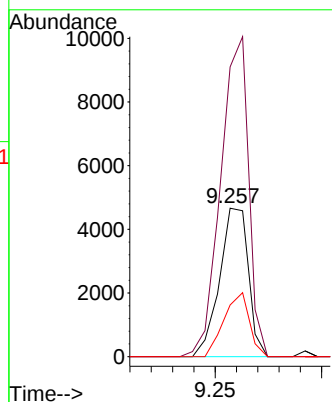
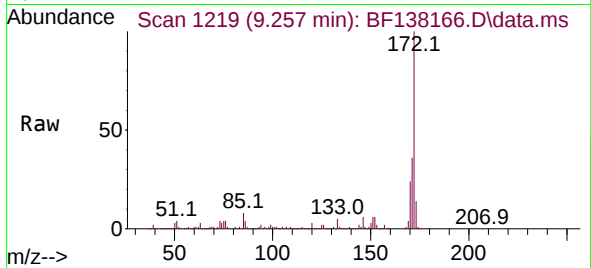




#48
2-Nitroaniline
Concen: 5.128 ng
RT: 9.257 min Scan# 11
Delta R.T. -0.229 min
Lab File: BF138166.D
Acq: 07 Jun 2024 18:05

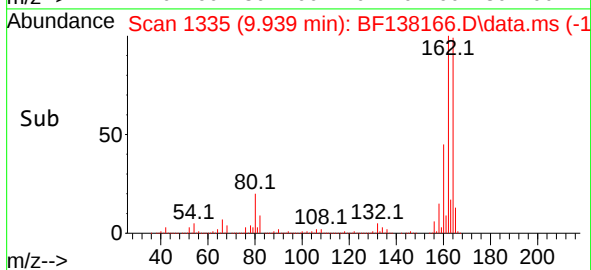
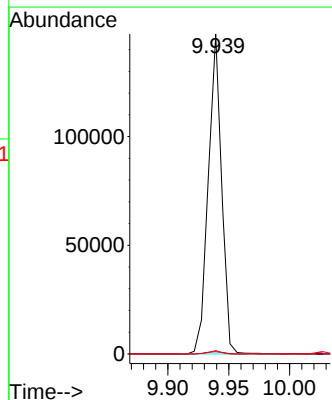
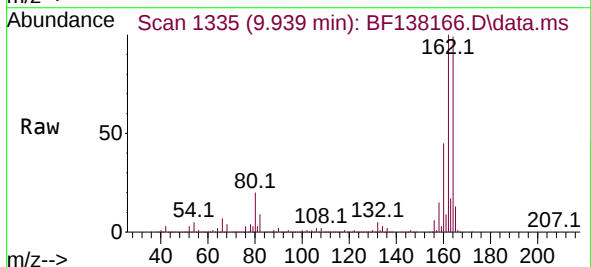
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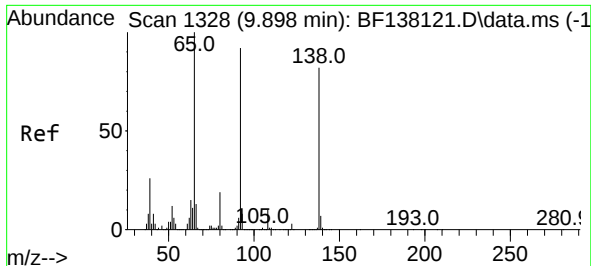
Tgt Ion: 65 Resp: 4396
Ion Ratio Lower Upper
65 100
92 195.1 57.3 85.9#
138 34.8 95.4 143.2#



#51
2,6-Dinitrotoluene
Concen: 12.332 ng
RT: 9.939 min Scan# 1335
Delta R.T. 0.211 min
Lab File: BF138166.D
Acq: 07 Jun 2024 18:05

Tgt Ion:165 Resp: 112490
Ion Ratio Lower Upper
165 100
63 0.7 42.9 64.3#
89 1.1 45.0 67.4#

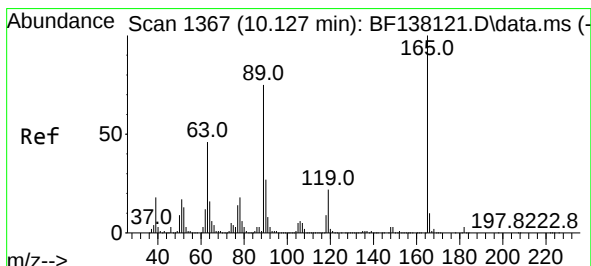
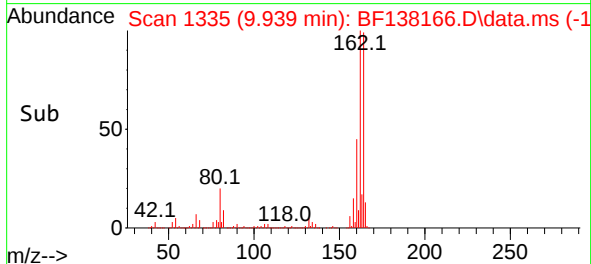
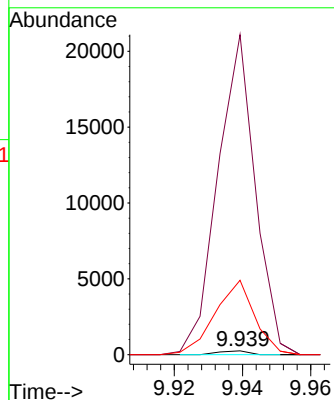
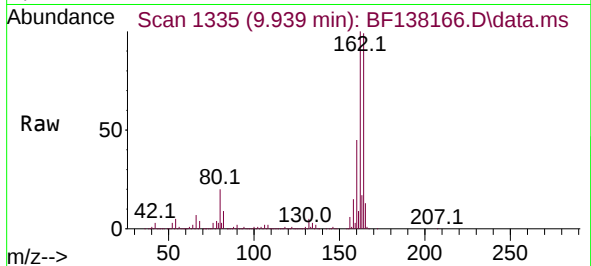




#53
3-Nitroaniline
Concen: 2.957 ng
RT: 9.939 min Scan# 1335
Delta R.T. 0.041 min
Lab File: BF138166.D
Acq: 07 Jun 2024 18:05

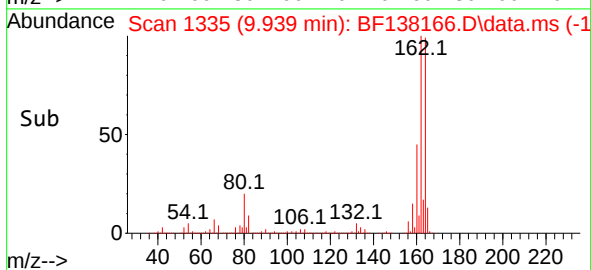
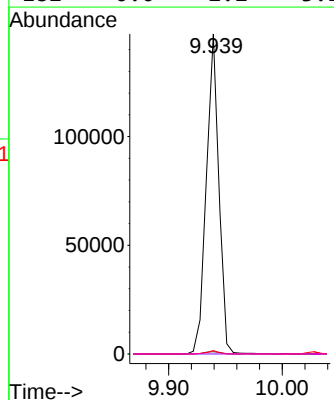
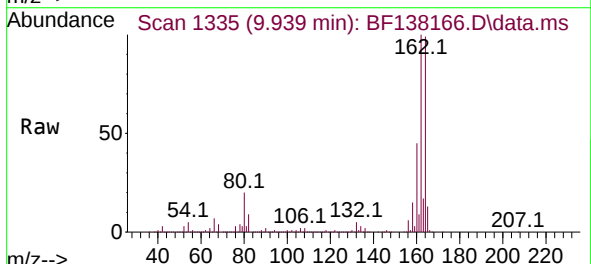
Instrument :
BNA_F
ClientSampleId :
SW-04

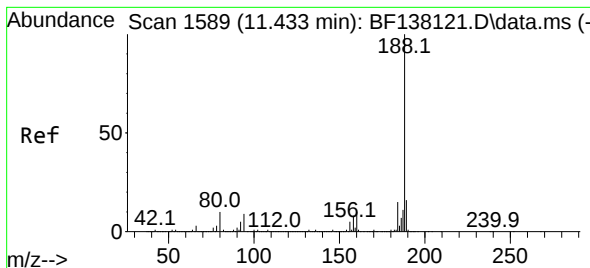
Tgt Ion:138 Resp: 154
Ion Ratio Lower Upper
138 100
108 8272.9 10.3 15.5#
92 1922.0 89.5 134.3#



#57
2,4-Dinitrotoluene
Concen: 11.222 ng
RT: 9.939 min Scan# 1335
Delta R.T. -0.188 min
Lab File: BF138166.D
Acq: 07 Jun 2024 18:05

Tgt Ion:165 Resp: 112492
Ion Ratio Lower Upper
165 100
63 0.7 36.8 55.2#
89 1.1 60.2 90.2#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.427 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF138166.D

Acq: 07 Jun 2024 18:05

Instrument :

BNA_F

ClientSampleId :

SW-04

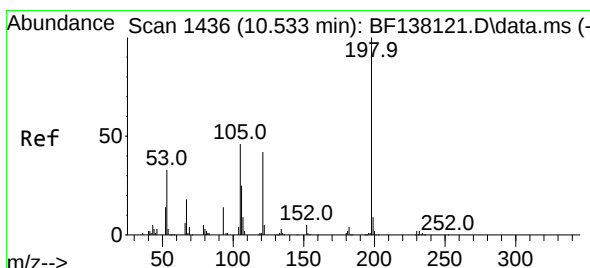
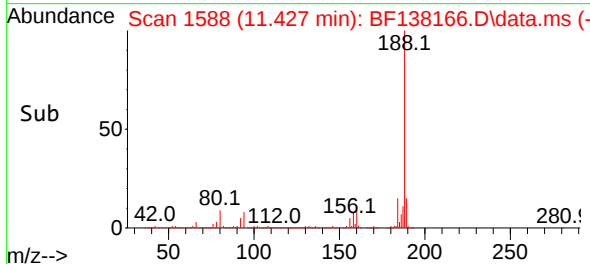
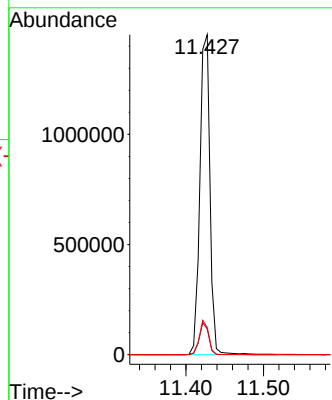
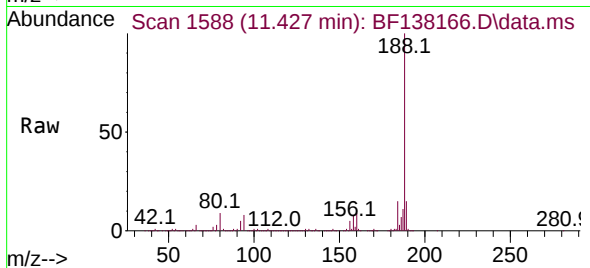
Tgt Ion:188 Resp: 1313136

Ion Ratio Lower Upper

188 100

94 8.1 7.4 11.2

80 8.6 7.7 11.5



#65

4,6-Dinitro-2-methylphenol

Concen: 8.697 ng

RT: 10.722 min Scan# 1468

Delta R.T. 0.189 min

Lab File: BF138166.D

Acq: 07 Jun 2024 18:05

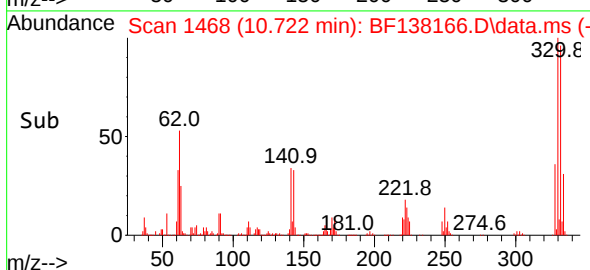
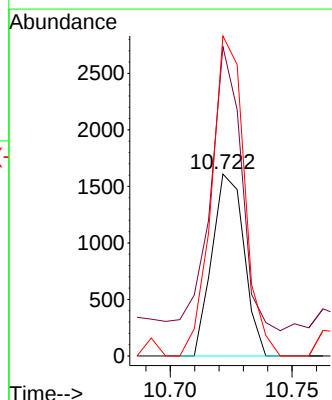
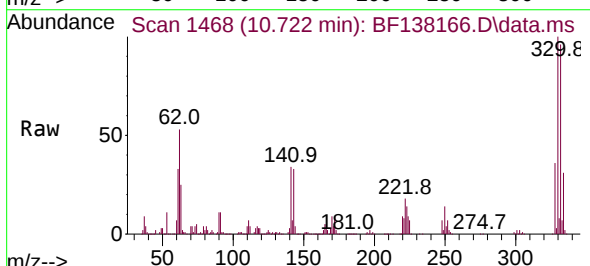
Tgt Ion:198 Resp: 1470

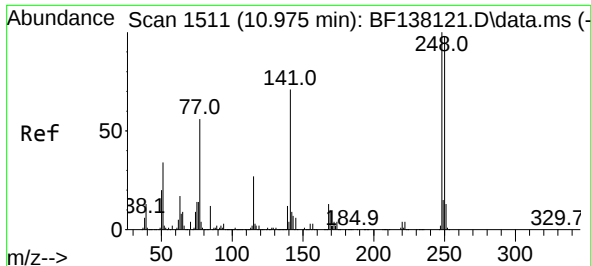
Ion Ratio Lower Upper

198 100

51 170.0 28.2 68.2#

105 175.9 26.8 66.8#

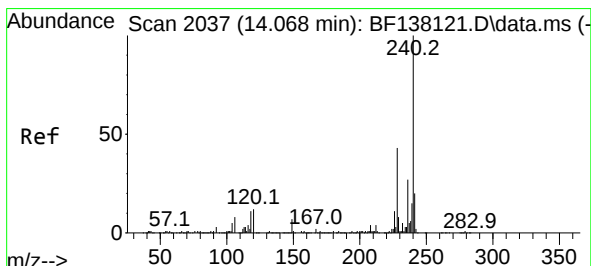
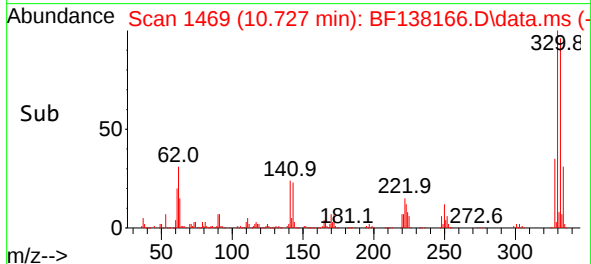
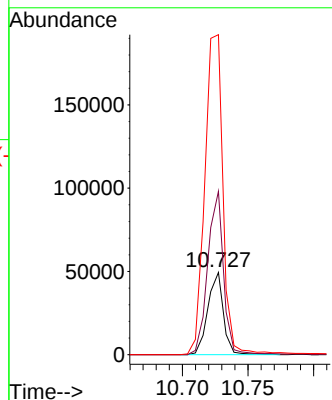
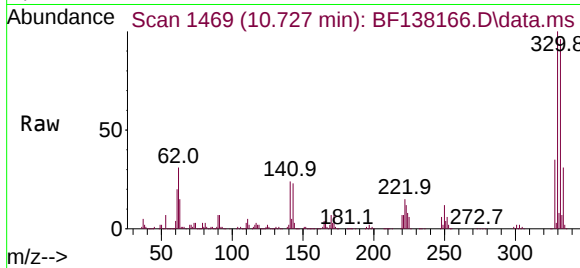




#67
4-Bromophenyl-phenylether
Concen: 2.736 ng
RT: 10.727 min Scan# 1469
Delta R.T. -0.247 min
Lab File: BF138166.D
Acq: 07 Jun 2024 18:05

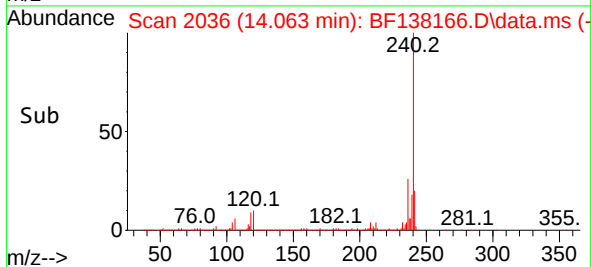
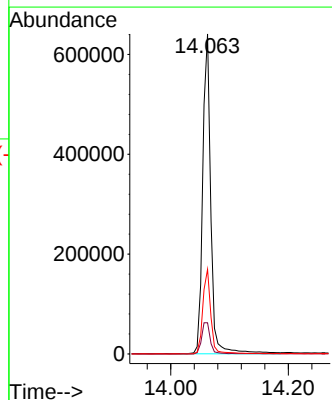
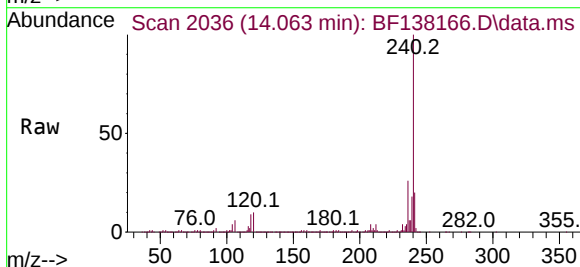
Instrument :
BNA_F
ClientSampleId :
SW-04

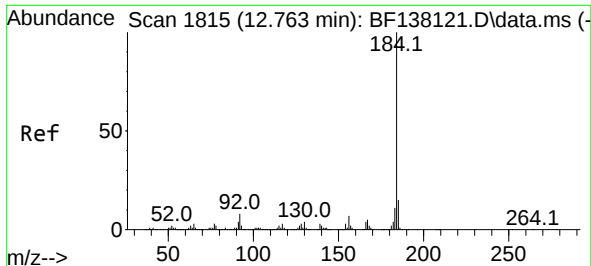
Tgt Ion:248 Resp: 40902
Ion Ratio Lower Upper
248 100
250 198.5 78.7 118.1#
141 389.1 56.5 84.7#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2036
Delta R.T. -0.005 min
Lab File: BF138166.D
Acq: 07 Jun 2024 18:05

Tgt Ion:240 Resp: 608291
Ion Ratio Lower Upper
240 100
120 9.7 9.8 14.8#
236 26.5 21.2 31.8

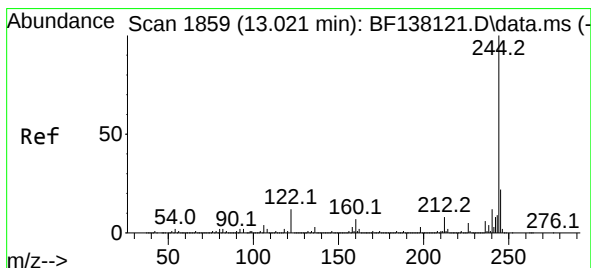
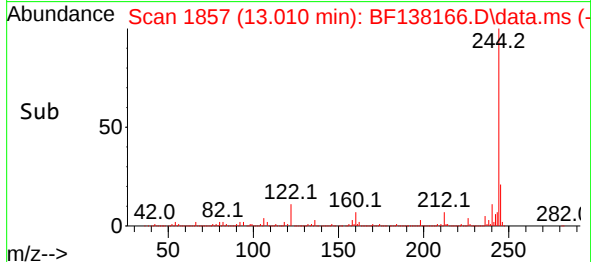
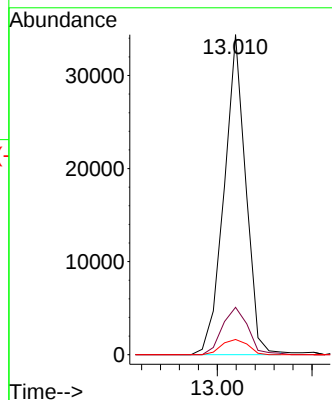
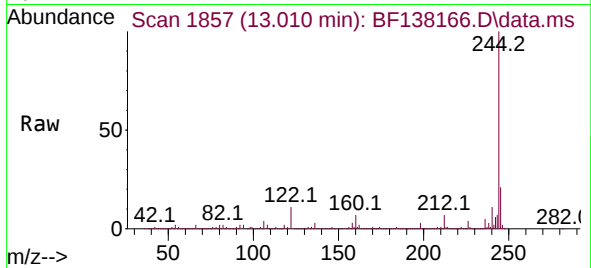




#77
Benzidine
Concen: 4.363 ng
RT: 13.010 min Scan# 1857
Delta R.T. 0.247 min
Lab File: BF138166.D
Acq: 07 Jun 2024 18:05

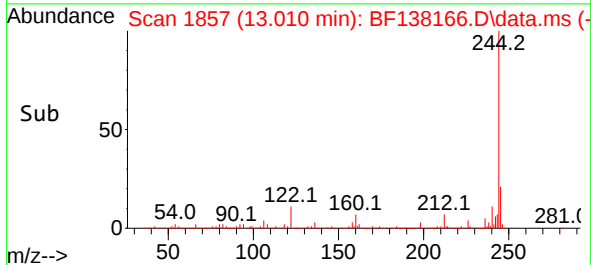
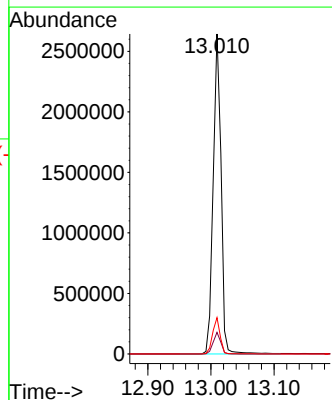
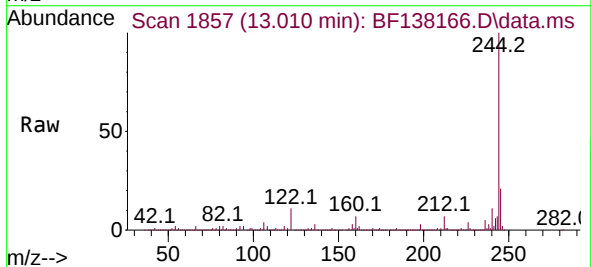
Instrument :
BNA_F
ClientSampleId :
SW-04

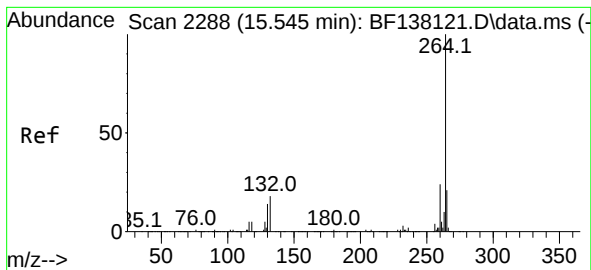
Tgt Ion:184 Resp: 27310
Ion Ratio Lower Upper
184 100
185 14.8 12.2 18.2
183 4.8 9.0 13.4#



#79
Terphenyl-d14
Concen: 56.093 ng
RT: 13.010 min Scan# 1857
Delta R.T. -0.012 min
Lab File: BF138166.D
Acq: 07 Jun 2024 18:05

Tgt Ion:244 Resp: 2281224
Ion Ratio Lower Upper
244 100
212 6.8 6.4 9.6
122 11.4 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: BF138166.D

Acq: 07 Jun 2024 18:05

Instrument :

BNA_F

ClientSampleId :

SW-04

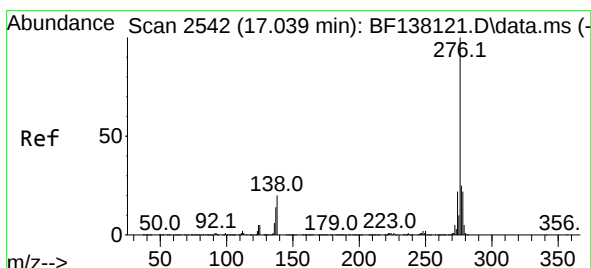
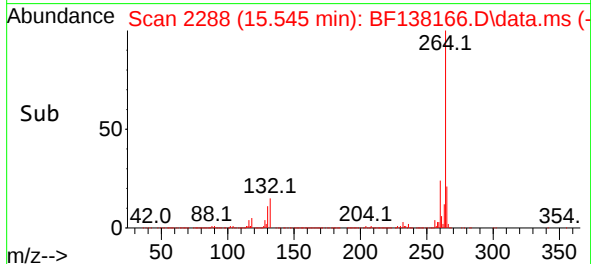
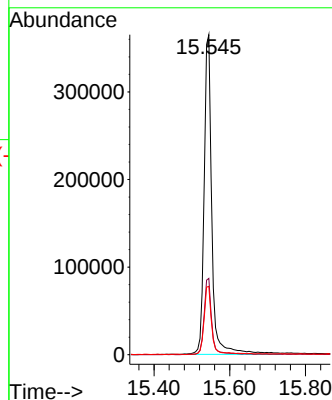
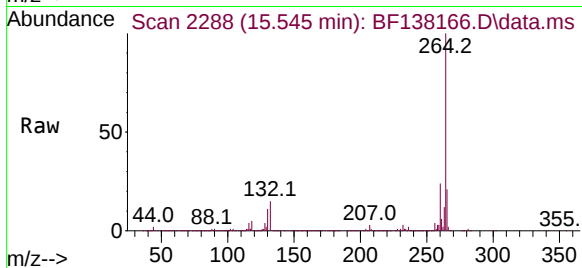
Tgt Ion:264 Resp: 516279

Ion Ratio Lower Upper

264 100

260 23.9 19.4 29.2

265 21.3 17.1 25.7



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.820 ng

RT: 16.998 min Scan# 2535

Delta R.T. -0.041 min

Lab File: BF138166.D

Acq: 07 Jun 2024 18:05

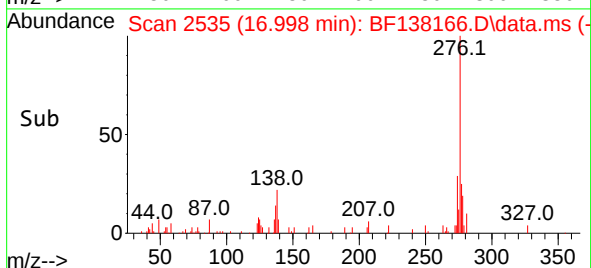
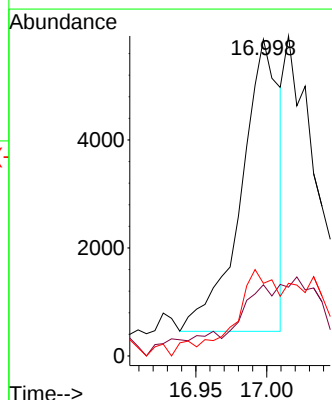
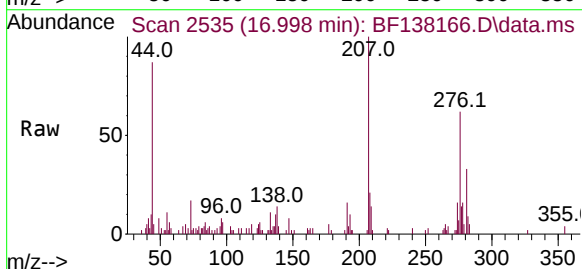
Tgt Ion:276 Resp: 10212

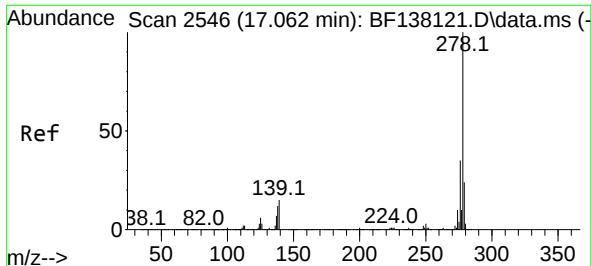
Ion Ratio Lower Upper

276 100

138 29.6 18.9 28.3#

277 24.8 20.3 30.5

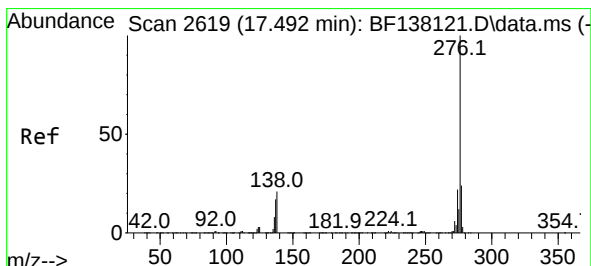
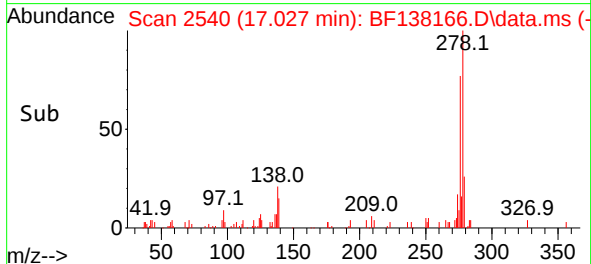
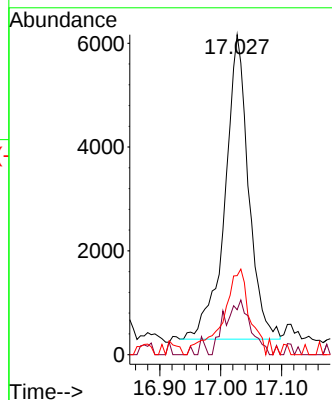
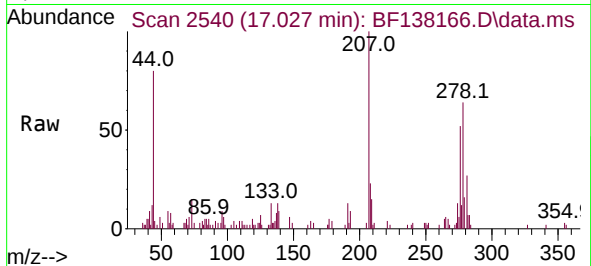




#91
Dibenzo(a,h)anthracene
Concen: 4.305 ng
RT: 17.027 min Scan# 2540
Delta R.T. -0.035 min
Lab File: BF138166.D
Acq: 07 Jun 2024 18:05

Instrument :
BNA_F
ClientSampleId :
SW-04

Tgt Ion:278 Resp: 15806
Ion Ratio Lower Upper
278 100
139 14.0 11.7 17.5
279 24.7 19.2 28.8



#92
Benzo(g,h,i)perylene
Concen: 3.307 ng
RT: 17.445 min Scan# 2611
Delta R.T. -0.047 min
Lab File: BF138166.D
Acq: 07 Jun 2024 18:05

Tgt Ion:276 Resp: 8039
Ion Ratio Lower Upper
276 100
277 19.4 19.0 28.4
138 17.3 16.5 24.7

