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 Data File : BF138167.D
 Acq On : 07 Jun 2024 18:35
 Operator : CG\JU
 Sample : P2707-07
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

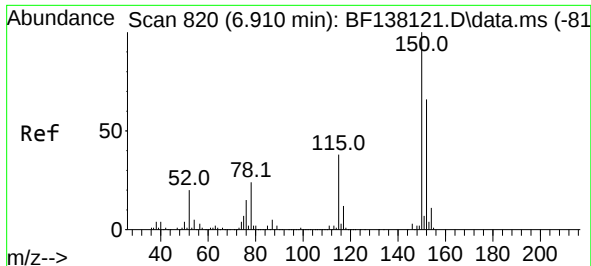
Instrument :
 BNA_F
 ClientSampleId :
 P-01

Quant Time: Jun 07 22:53:44 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	387983	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	1503855	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	835528	20.000	ng	0.00
64) Phenanthrene-d10	11.421	188	1275007	20.000	ng	-0.01
76) Chrysene-d12	14.062	240	637161	20.000	ng	0.00
86) Perylene-d12	15.545	264	516937	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	1916447	84.181	ng	0.00
7) Phenol-d6	6.528	99	2432835	84.462	ng	0.00
23) Nitrobenzene-d5	7.463	82	1408979	63.745	ng	-0.01
42) 2,4,6-Tribromophenol	10.727	330	684872	85.174	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	2699697	56.498	ng	0.00
79) Terphenyl-d14	13.010	244	2170843	50.960	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.457	77	191	Below Cal	#	30
19) n-Nitroso-di-n-propyla...	7.463	70	190373	10.365	ng	# 78
25) Isophorone	7.463	82	1408966	28.935	ng	# 63
32) Benzoic acid	7.851	122	53	7.938	ng	# 1
48) 2-Nitroaniline	9.374	65	215	4.814	ng	# 1
51) 2,6-Dinitrotoluene	9.939	165	111479	12.493	ng	# 25
53) 3-Nitroaniline	9.939	138	140	2.956	ng	# 1
57) 2,4-Dinitrotoluene	9.939	165	111481	11.355	ng	# 22
65) 4,6-Dinitro-2-methylph...	10.727	198	1520	8.717	ng	# 1
67) 4-Bromophenyl-phenylether	10.727	248	42005	2.893	ng	# 1
77) Benzidine	13.010	184	25506	3.890	ng	# 94
87) Indeno(1,2,3-cd)pyrene	16.998	276	15031	3.978	ng	# 85
91) Dibenzo(a,h)anthracene	17.027	278	12864	4.183	ng	# 84
92) Benzo(g,h,i)perylene	17.462	276	10149	3.391	ng	# 88

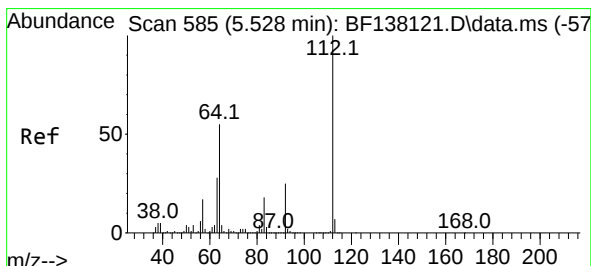
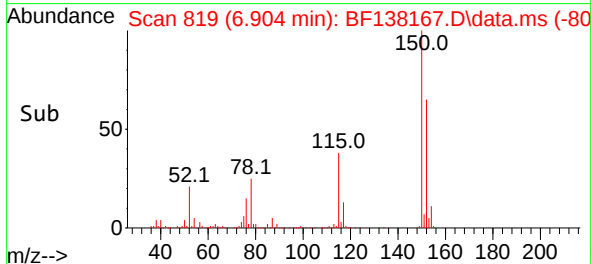
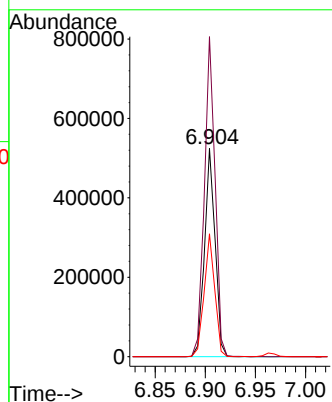
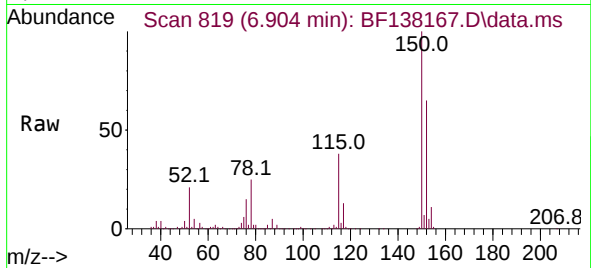
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.904 min Scan# 819
 Delta R.T. -0.006 min
 Lab File: BF138167.D
 Acq: 07 Jun 2024 18:35

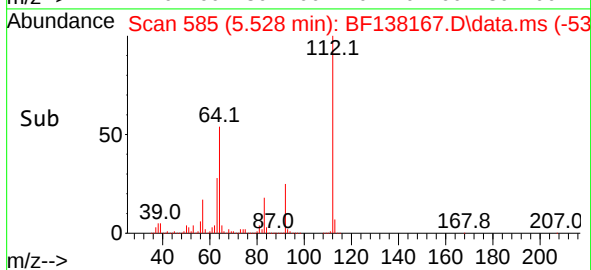
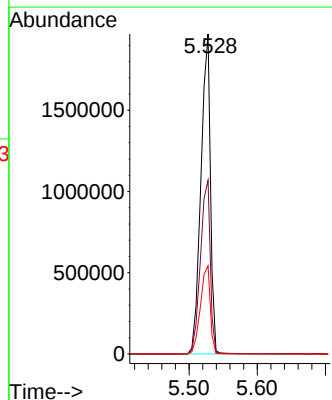
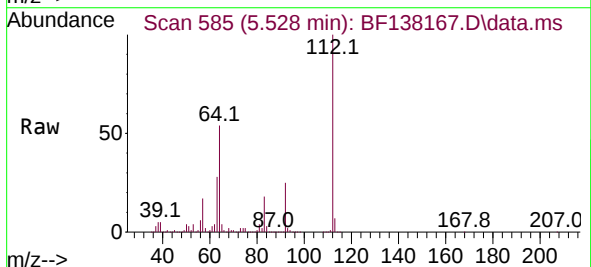
Instrument :
 BNA_F
 ClientSampleId :
 P-01

Tgt Ion:152 Resp: 387983
 Ion Ratio Lower Upper
 152 100
 150 153.7 121.8 182.6
 115 59.0 46.2 69.2



#5
 2-Fluorophenol
 Concen: 84.181 ng
 RT: 5.528 min Scan# 585
 Delta R.T. -0.000 min
 Lab File: BF138167.D
 Acq: 07 Jun 2024 18:35

Tgt Ion:112 Resp: 1916447
 Ion Ratio Lower Upper
 112 100
 64 54.3 44.0 66.0
 63 27.6 22.1 33.1





#7

Phenol-d6

Concen: 84.462 ng

RT: 6.528 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF138167.D

Acq: 07 Jun 2024 18:35

Instrument :

BNA_F

ClientSampleId :

P-01

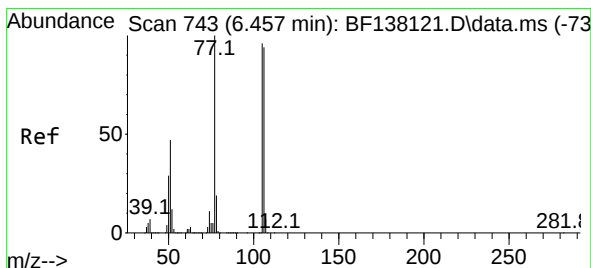
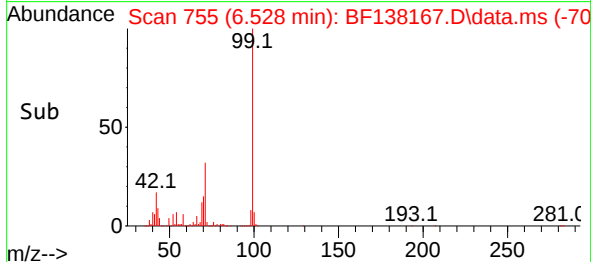
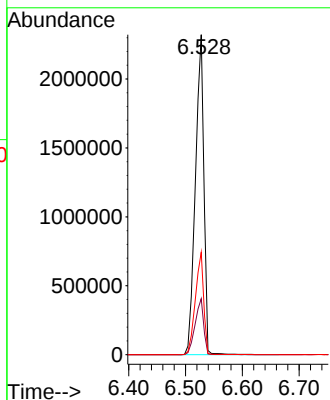
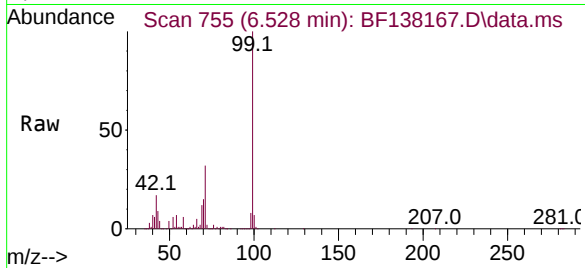
Tgt Ion: 99 Resp: 2432835

Ion Ratio Lower Upper

99 100

42 17.5 14.4 21.6

71 32.0 25.5 38.3



#9

Benzaldehyde

Concen: Below Cal

RT: 6.457 min Scan# 743

Delta R.T. 0.000 min

Lab File: BF138167.D

Acq: 07 Jun 2024 18:35

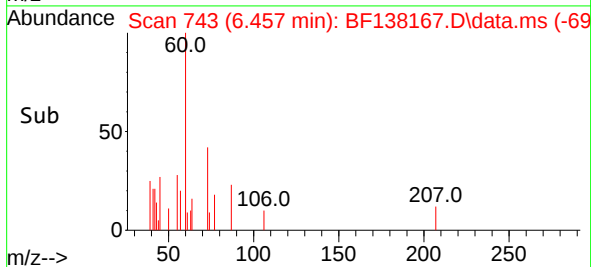
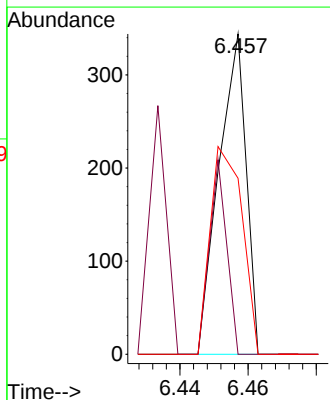
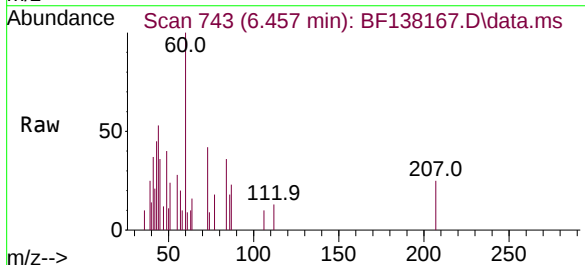
Tgt Ion: 77 Resp: 191

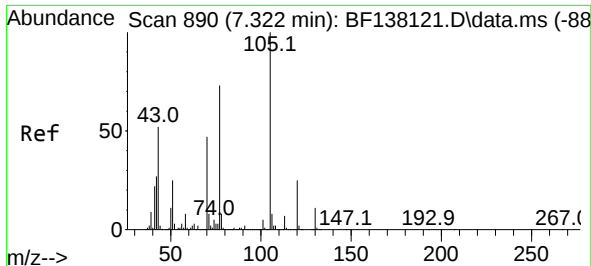
Ion Ratio Lower Upper

77 100

105 0.0 75.8 115.8#

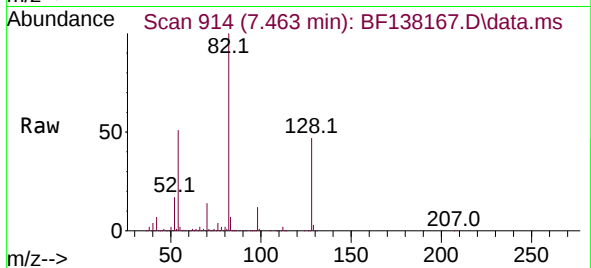
106 54.9 73.9 113.9#



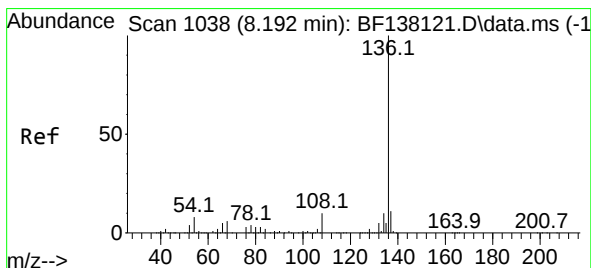
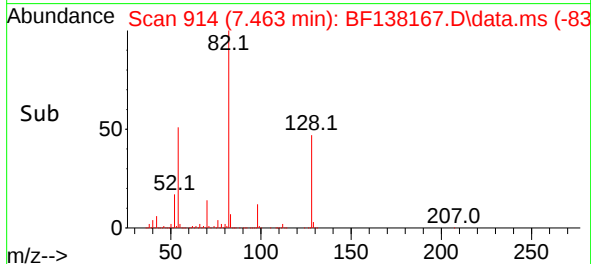
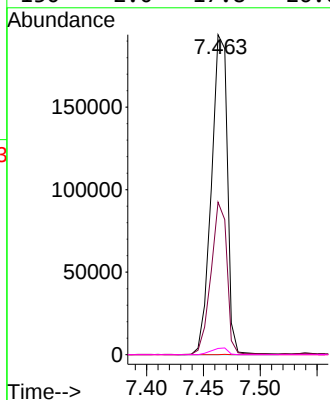


#19
n-Nitroso-di-n-propylamine
Concen: 10.365 ng
RT: 7.463 min Scan# 914
Delta R.T. 0.141 min
Lab File: BF138167.D
Acq: 07 Jun 2024 18:35

Instrument :
BNA_F
ClientSampleId :
P-01

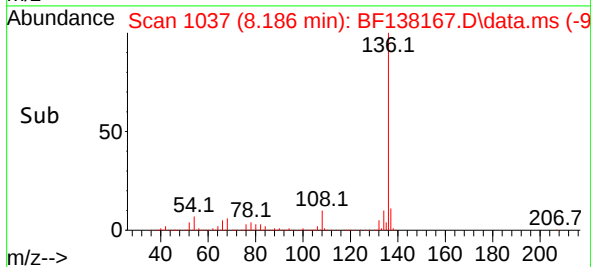
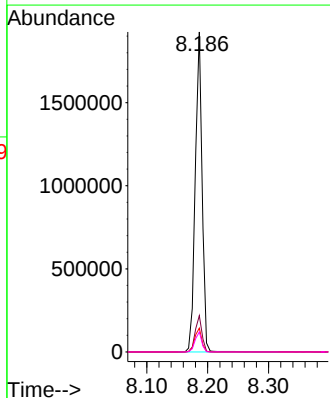
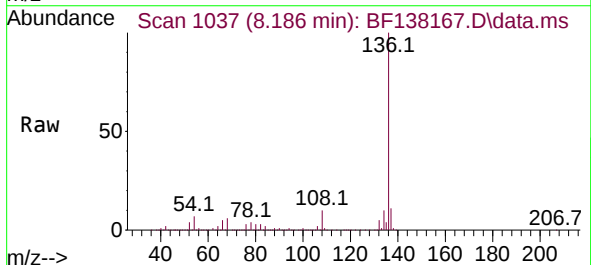


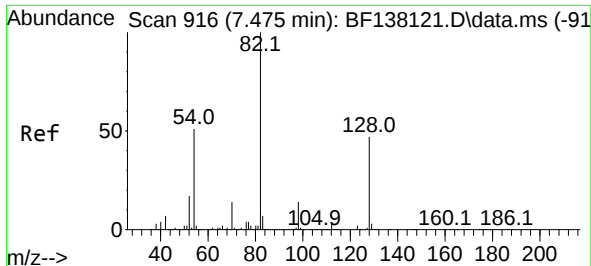
Tgt Ion: 70 Resp: 190373
Ion Ratio Lower Upper
70 100
42 47.6 46.3 69.5
101 0.0 7.7 11.5#
130 2.0 17.8 26.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.186 min Scan# 1037
Delta R.T. -0.006 min
Lab File: BF138167.D
Acq: 07 Jun 2024 18:35

Tgt Ion: 136 Resp: 1503855
Ion Ratio Lower Upper
136 100
137 11.4 9.1 13.7
54 7.5 6.2 9.2
68 6.3 5.2 7.8

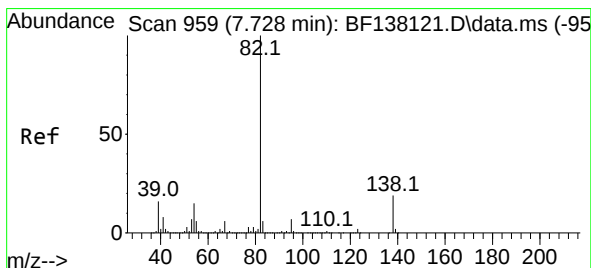
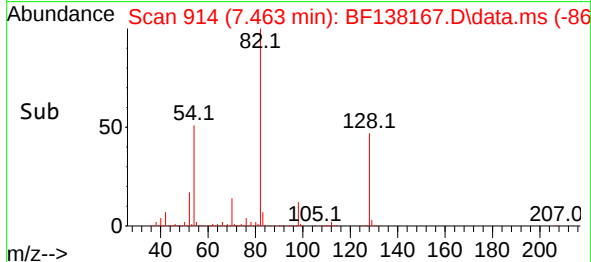
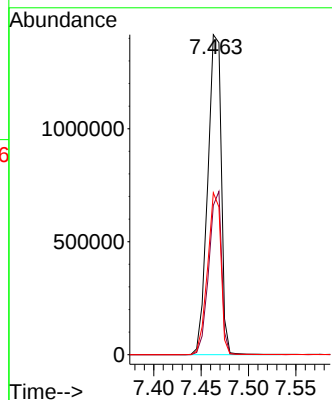
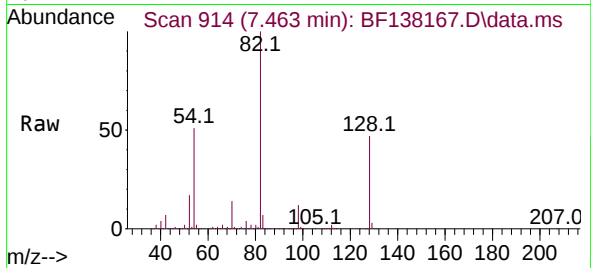




#23
Nitrobenzene-d5
Concen: 63.745 ng
RT: 7.463 min Scan# 914
Delta R.T. -0.012 min
Lab File: BF138167.D
Acq: 07 Jun 2024 18:35

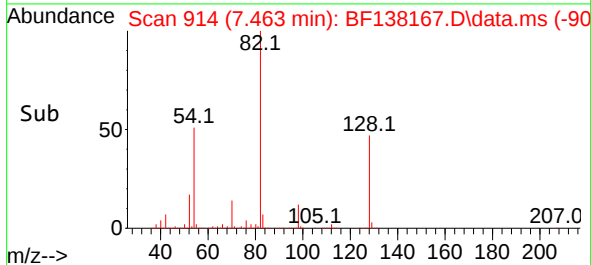
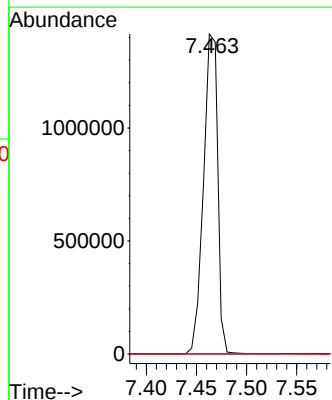
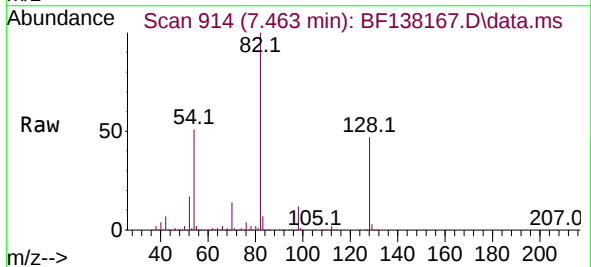
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ClientSampleId :
P-01

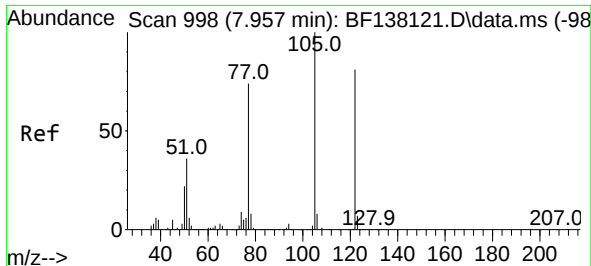
Tgt Ion: 82 Resp: 1408979
Ion Ratio Lower Upper
82 100
128 46.7 37.7 56.5
54 50.6 40.8 61.2



#25
Isophorone
Concen: 28.935 ng
RT: 7.463 min Scan# 914
Delta R.T. -0.265 min
Lab File: BF138167.D
Acq: 07 Jun 2024 18:35

Tgt Ion: 82 Resp: 1408966
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 15.5 23.3#

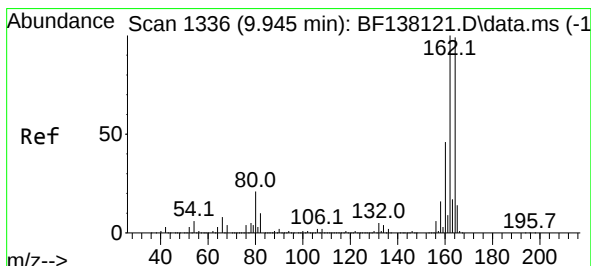
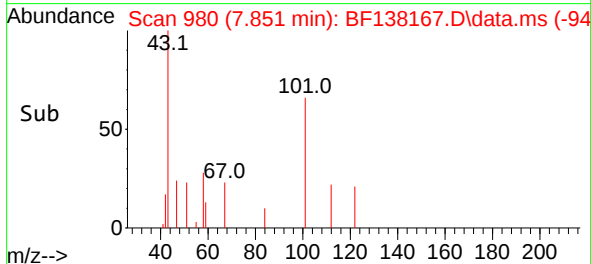
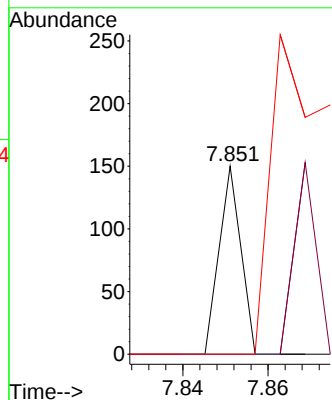
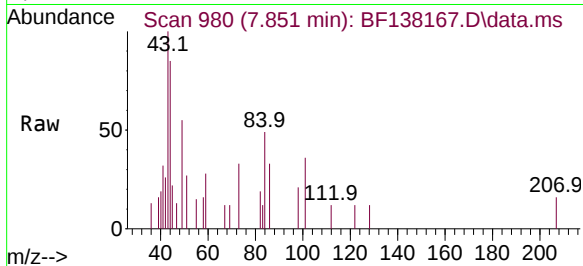




#32
Benzoic acid
Concen: 7.938 ng
RT: 7.851 min Scan# 91
Delta R.T. -0.106 min
Lab File: BF138167.D
Acq: 07 Jun 2024 18:35

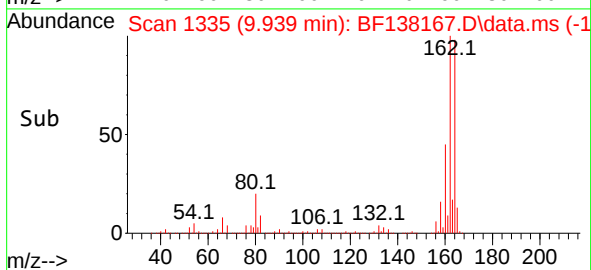
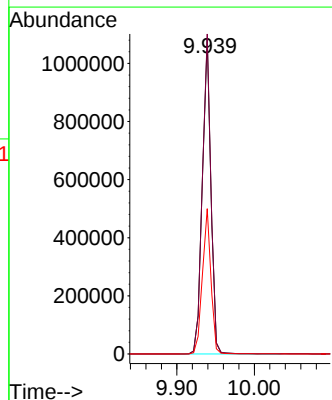
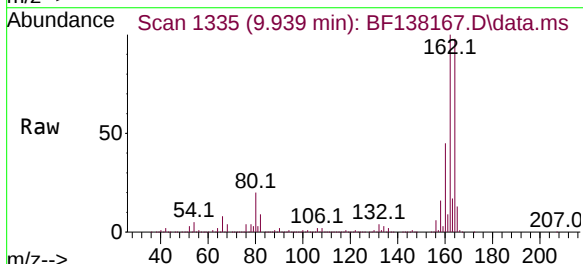
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ClientSampleId :
P-01

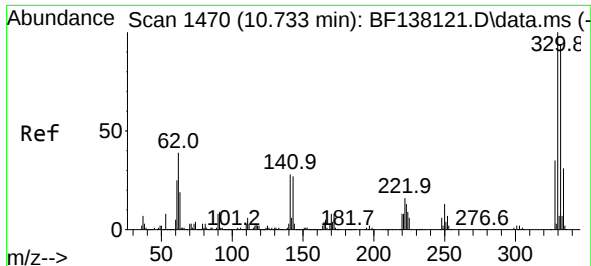
Tgt Ion:122 Resp: 53
Ion Ratio Lower Upper
122 100
105 0.0 102.8 142.8#
77 0.0 71.2 111.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1335
Delta R.T. -0.006 min
Lab File: BF138167.D
Acq: 07 Jun 2024 18:35

Tgt Ion:164 Resp: 835528
Ion Ratio Lower Upper
164 100
162 101.6 80.9 121.3
160 46.1 37.0 55.6





#42

2,4,6-Tribromophenol

Concen: 85.174 ng

RT: 10.727 min Scan# 1469

Delta R.T. -0.006 min

Lab File: BF138167.D

Acq: 07 Jun 2024 18:35

Instrument :

BNA_F

ClientSampleId :

P-01

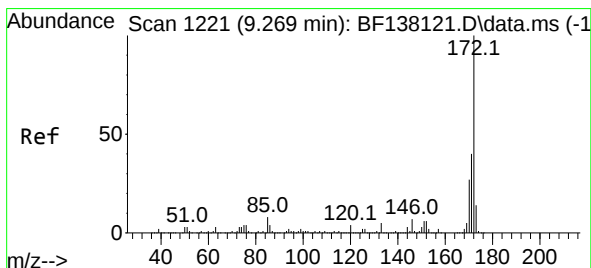
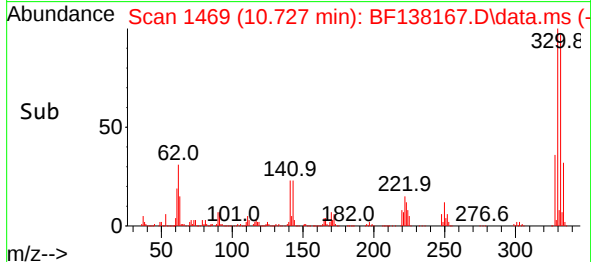
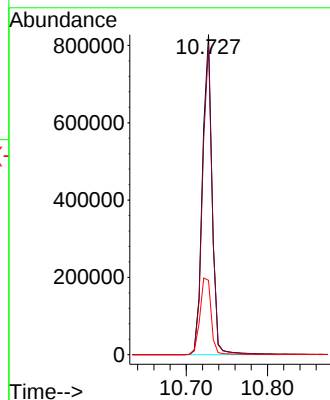
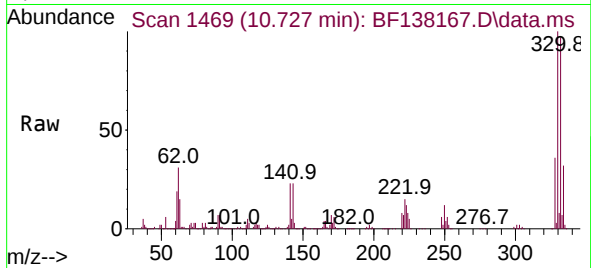
Tgt Ion:330 Resp: 684872

Ion Ratio Lower Upper

330 100

332 96.9 75.8 113.8

141 27.8 23.2 34.8



#45

2-Fluorobiphenyl

Concen: 56.498 ng

RT: 9.263 min Scan# 1220

Delta R.T. -0.006 min

Lab File: BF138167.D

Acq: 07 Jun 2024 18:35

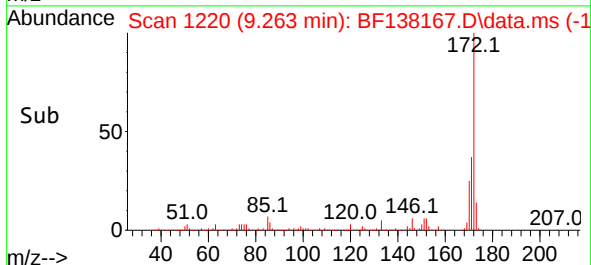
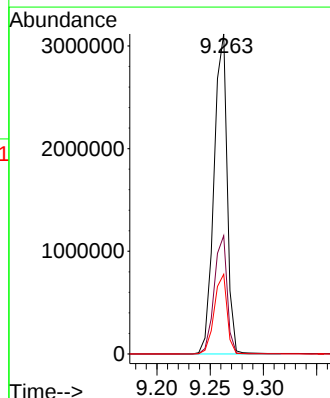
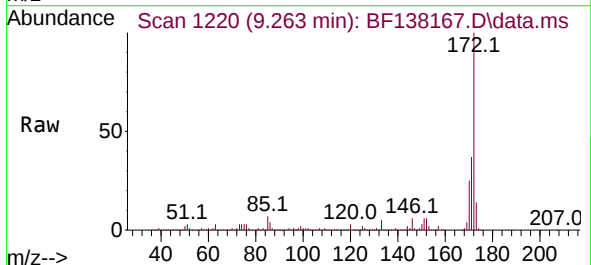
Tgt Ion:172 Resp: 2699697

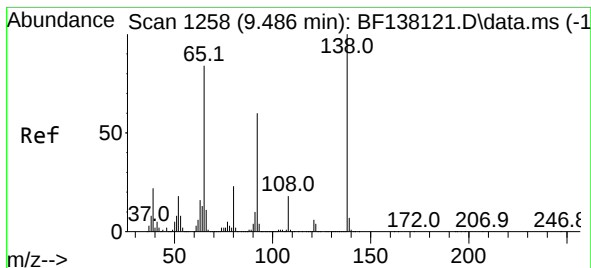
Ion Ratio Lower Upper

172 100

171 36.9 31.6 47.4

170 24.9 21.4 32.2





#48

2-Nitroaniline

Concen: 4.814 ng

RT: 9.374 min Scan# 11

Delta R.T. -0.112 min

Lab File: BF138167.D

Acq: 07 Jun 2024 18:35

Instrument :

BNA_F

ClientSampleId :

P-01

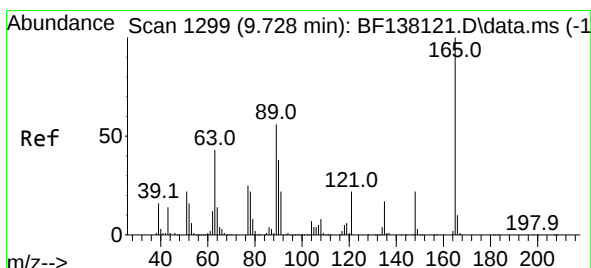
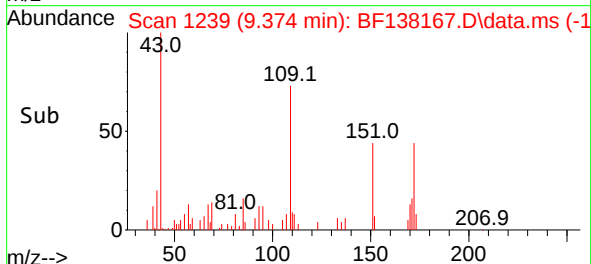
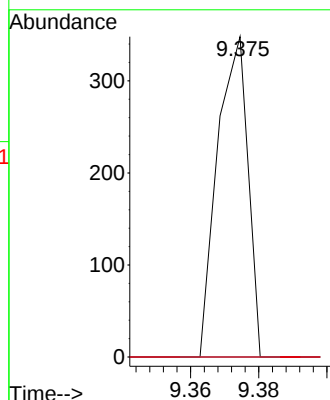
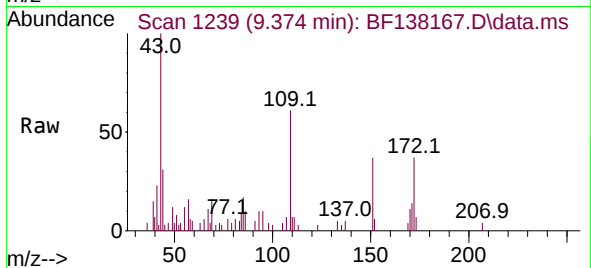
Tgt Ion: 65 Resp: 215

Ion Ratio Lower Upper

65 100

92 0.0 57.3 85.9#

138 0.0 95.4 143.2#



#51

2,6-Dinitrotoluene

Concen: 12.493 ng

RT: 9.939 min Scan# 1335

Delta R.T. 0.211 min

Lab File: BF138167.D

Acq: 07 Jun 2024 18:35

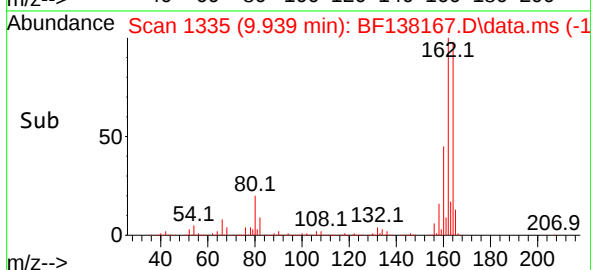
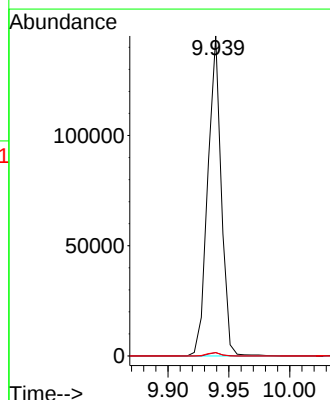
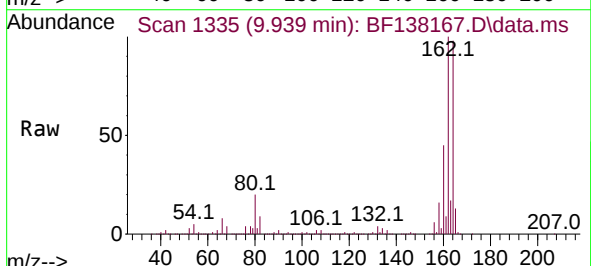
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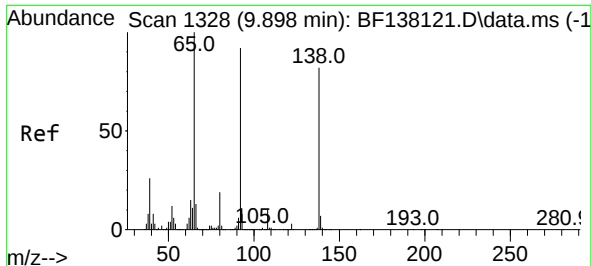
Ion Ratio Lower Upper

165 100

63 1.0 42.9 64.3#

89 1.1 45.0 67.4#

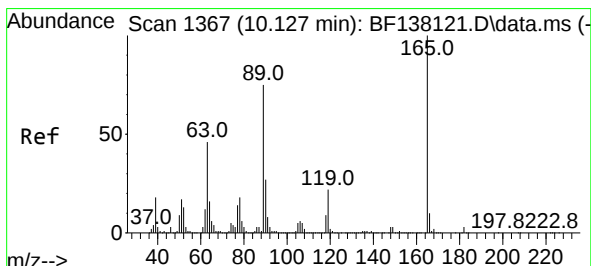
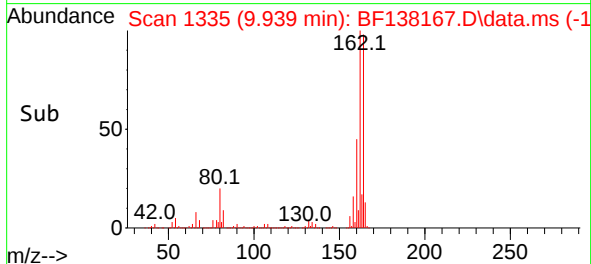
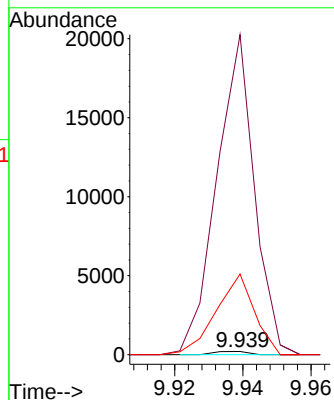
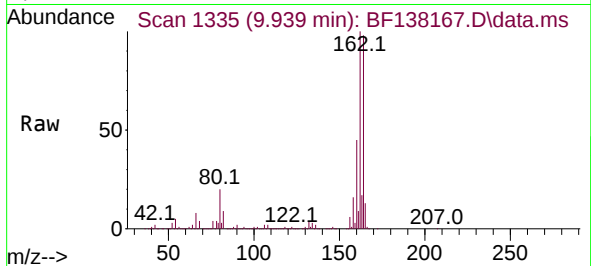




#53
3-Nitroaniline
Concen: 2.956 ng
RT: 9.939 min Scan# 1335
Delta R.T. 0.041 min
Lab File: BF138167.D
Acq: 07 Jun 2024 18:35

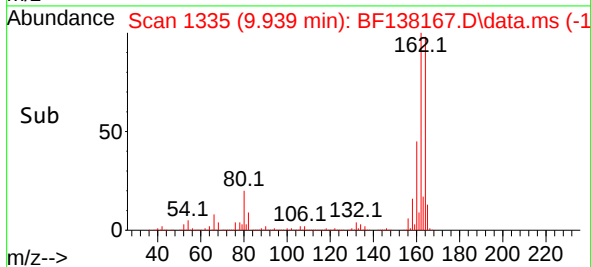
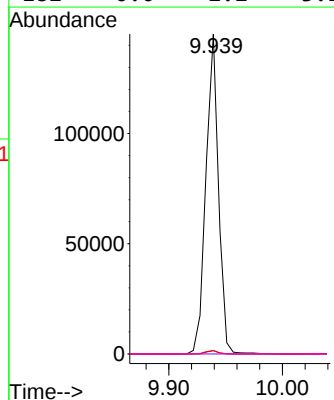
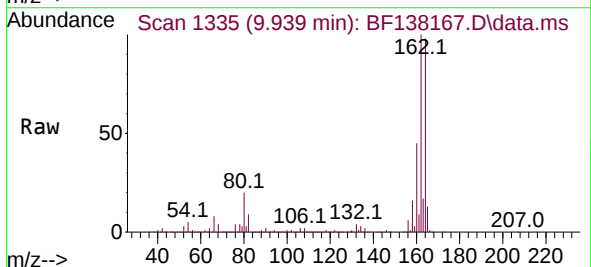
Instrument :
BNA_F
ClientSampleId :
P-01

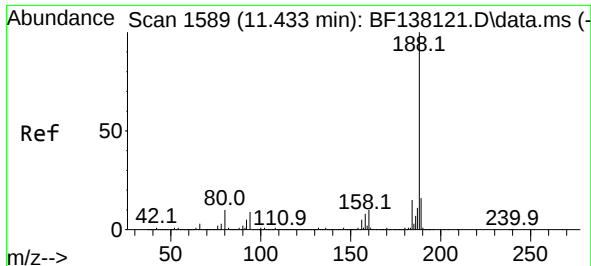
Tgt Ion:138 Resp: 140
Ion Ratio Lower Upper
138 100
108 9978.3 10.3 15.5#
92 2515.8 89.5 134.3#



#57
2,4-Dinitrotoluene
Concen: 11.355 ng
RT: 9.939 min Scan# 1335
Delta R.T. -0.188 min
Lab File: BF138167.D
Acq: 07 Jun 2024 18:35

Tgt Ion:165 Resp: 111481
Ion Ratio Lower Upper
165 100
63 1.0 36.8 55.2#
89 1.1 60.2 90.2#
182 0.0 2.2 3.2#

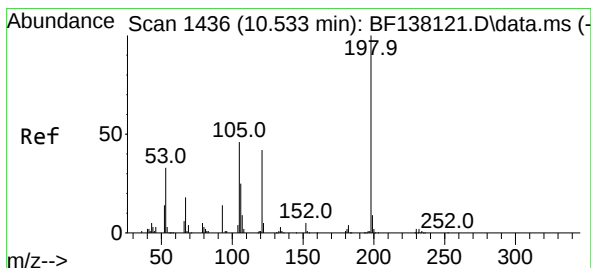
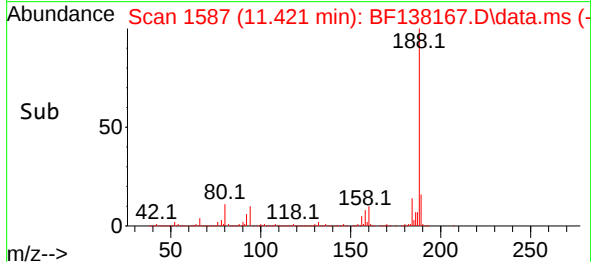
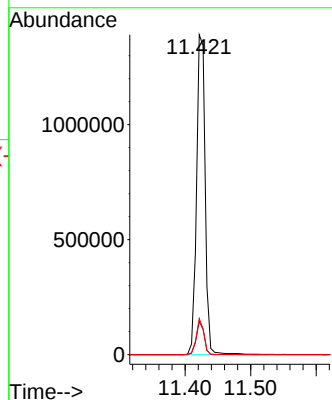
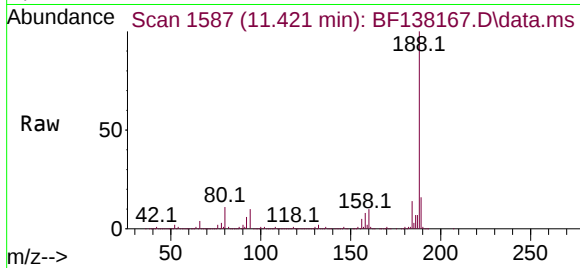




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.421 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF138167.D
Acq: 07 Jun 2024 18:35

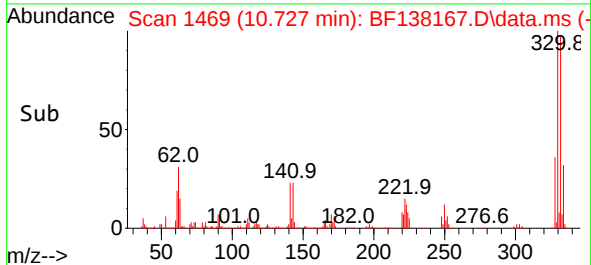
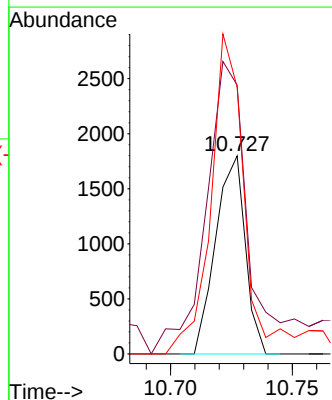
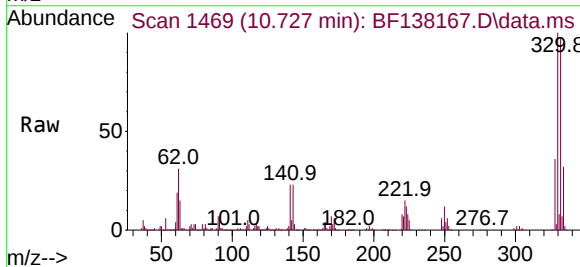
Instrument :
BNA_F
ClientSampleId :
P-01

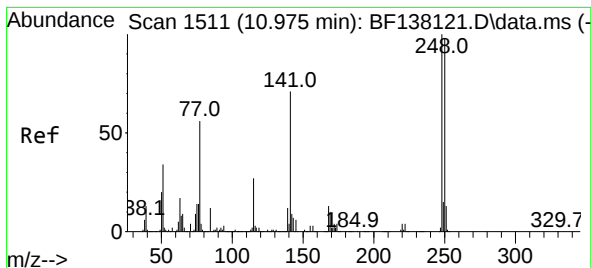
Tgt Ion:188 Resp: 1275007
Ion Ratio Lower Upper
188 100
94 10.4 7.4 11.2
80 11.3 7.7 11.5



#65
4,6-Dinitro-2-methylphenol
Concen: 8.717 ng
RT: 10.727 min Scan# 1469
Delta R.T. 0.194 min
Lab File: BF138167.D
Acq: 07 Jun 2024 18:35

Tgt Ion:198 Resp: 1520
Ion Ratio Lower Upper
198 100
51 135.7 28.2 68.2#
105 134.6 26.8 66.8#

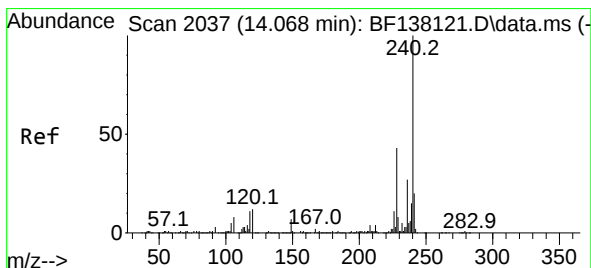
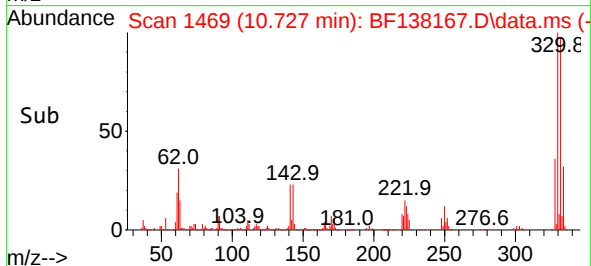
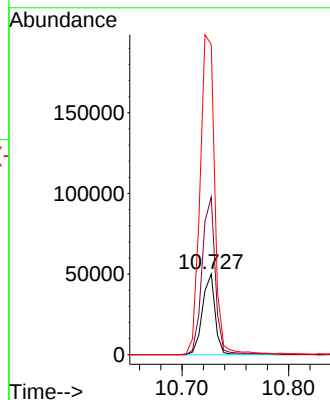
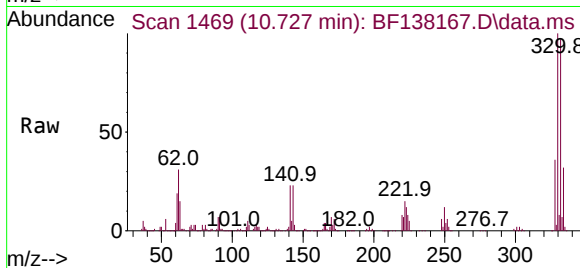




#67
4-Bromophenyl-phenylether
Concen: 2.893 ng
RT: 10.727 min Scan# 1469
Delta R.T. -0.247 min
Lab File: BF138167.D
Acq: 07 Jun 2024 18:35

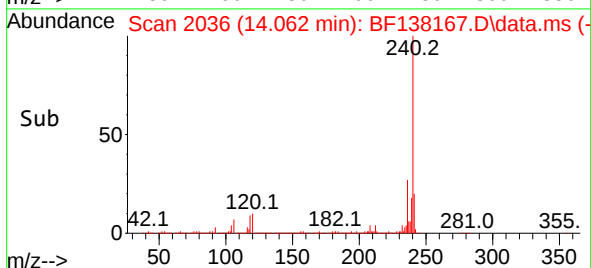
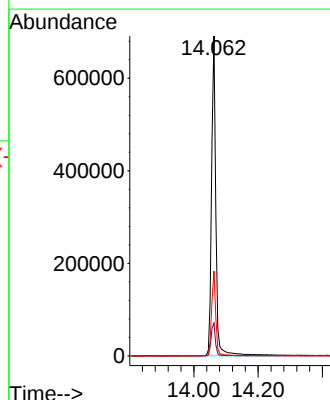
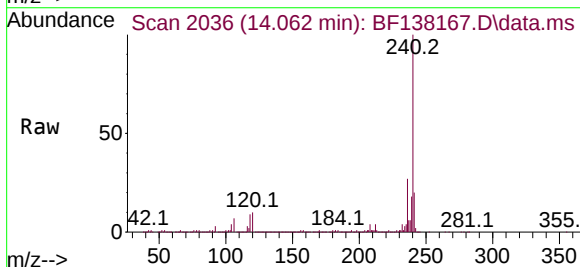
Instrument :
BNA_F
ClientSampleId :
P-01

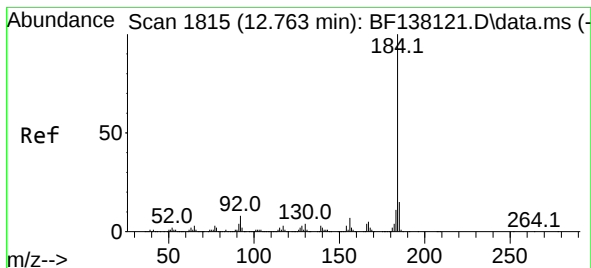
Tgt Ion:248 Resp: 42005
Ion Ratio Lower Upper
248 100
250 195.4 78.7 118.1#
141 384.6 56.5 84.7#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.062 min Scan# 2036
Delta R.T. -0.006 min
Lab File: BF138167.D
Acq: 07 Jun 2024 18:35

Tgt Ion:240 Resp: 637161
Ion Ratio Lower Upper
240 100
120 10.3 9.8 14.8
236 26.5 21.2 31.8





#77

Benzidine

Concen: 3.890 ng

RT: 13.010 min Scan# 1857

Delta R.T. 0.247 min

Lab File: BF138167.D

Acq: 07 Jun 2024 18:35

Instrument :

BNA_F

ClientSampleId :

P-01

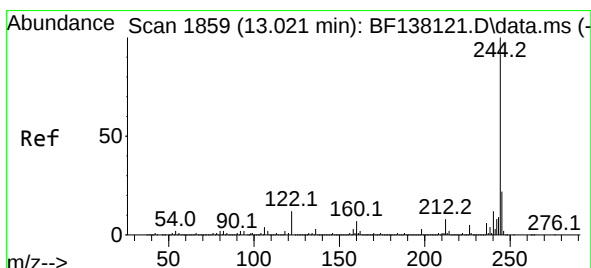
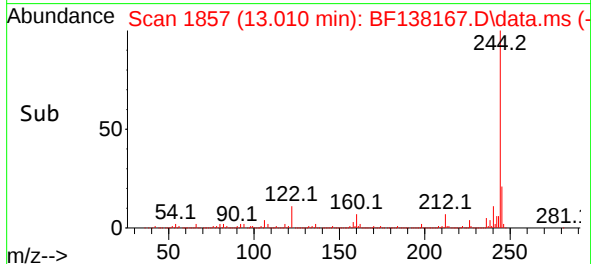
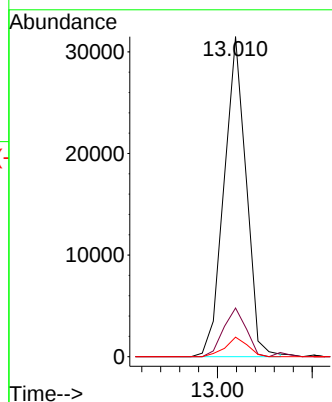
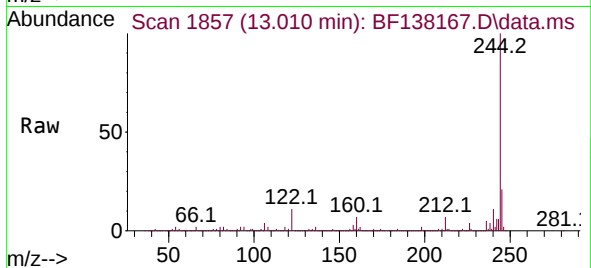
Tgt Ion:184 Resp: 25506

Ion Ratio Lower Upper

184 100

185 15.2 12.2 18.2

183 6.1 9.0 13.4#



#79

Terphenyl-d14

Concen: 50.960 ng

RT: 13.010 min Scan# 1857

Delta R.T. -0.012 min

Lab File: BF138167.D

Acq: 07 Jun 2024 18:35

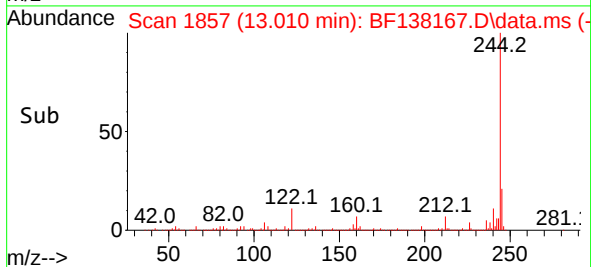
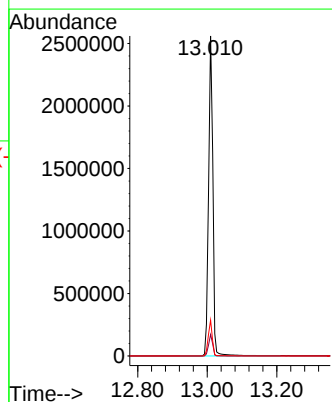
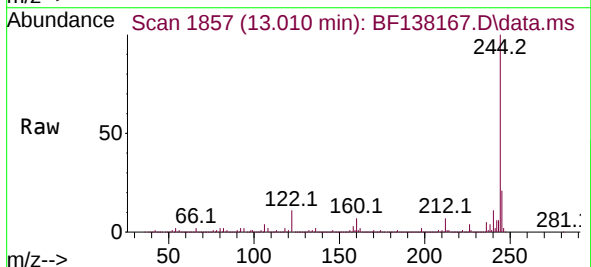
Tgt Ion:244 Resp: 2170843

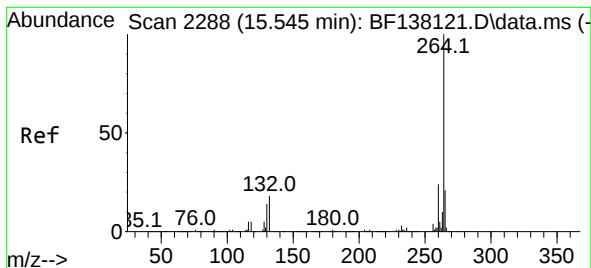
Ion Ratio Lower Upper

244 100

212 6.7 6.4 9.6

122 11.2 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: BF138167.D

Acq: 07 Jun 2024 18:35

Instrument :

BNA_F

ClientSampleId :

P-01

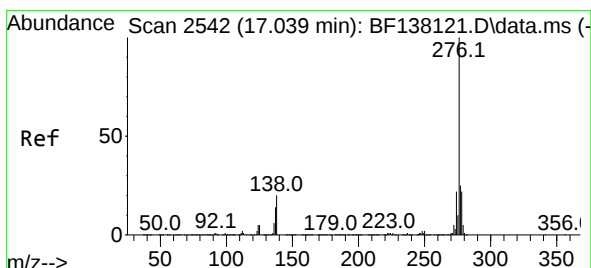
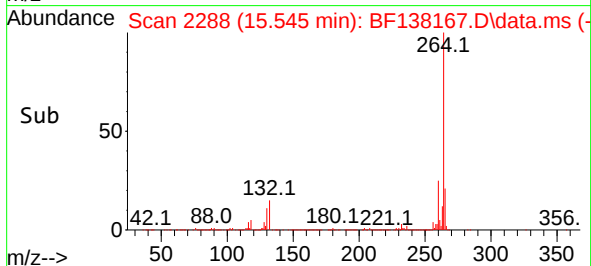
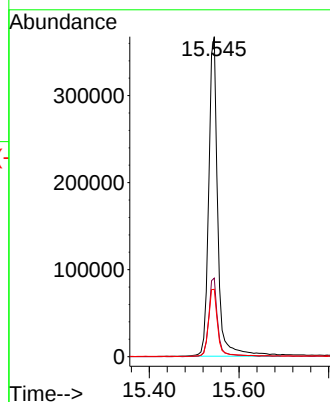
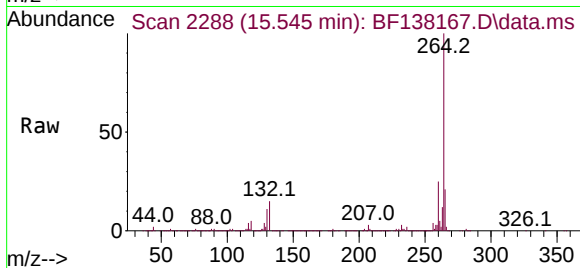
Tgt Ion:264 Resp: 516937

Ion Ratio Lower Upper

264 100

260 24.5 19.4 29.2

265 21.1 17.1 25.7



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.978 ng

RT: 16.998 min Scan# 2535

Delta R.T. -0.041 min

Lab File: BF138167.D

Acq: 07 Jun 2024 18:35

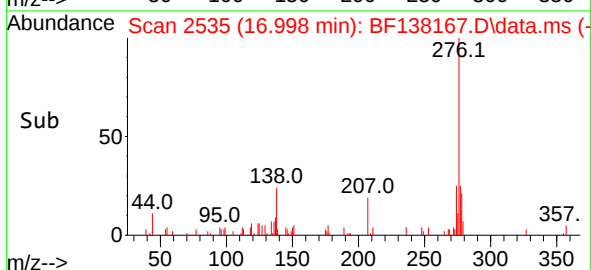
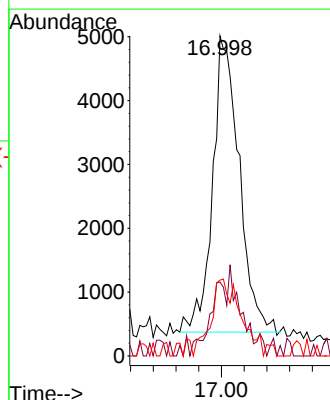
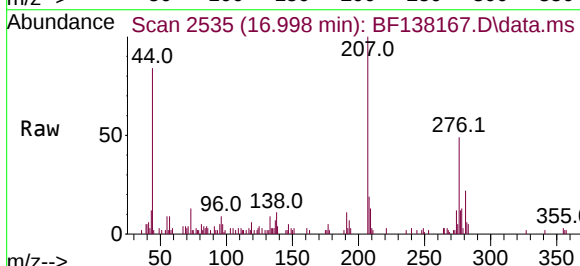
Tgt Ion:276 Resp: 15031

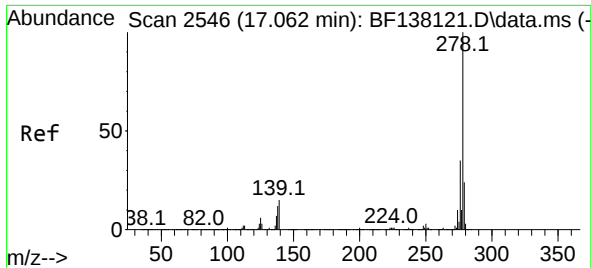
Ion Ratio Lower Upper

276 100

138 16.1 18.9 28.3#

277 17.9 20.3 30.5#

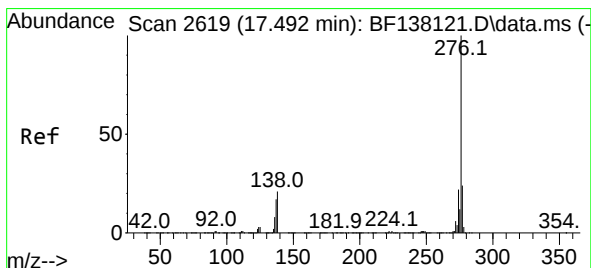
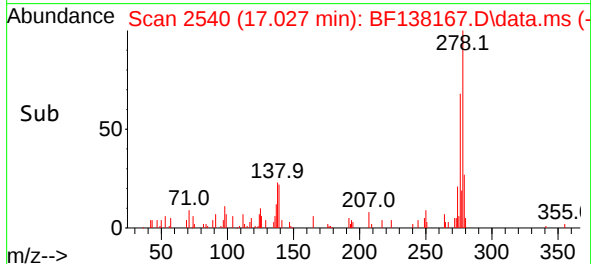
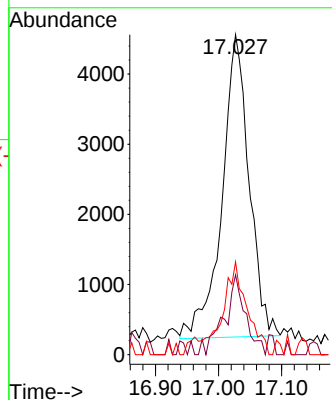
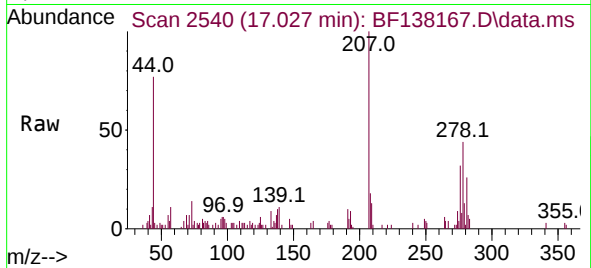




#91
Dibenzo(a,h)anthracene
Concen: 4.183 ng
RT: 17.027 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF138167.D
Acq: 07 Jun 2024 18:35

Instrument :
BNA_F
ClientSampleId :
P-01

Tgt Ion:278 Resp: 12864
Ion Ratio Lower Upper
278 100
139 25.0 11.7 17.5#
279 29.0 19.2 28.8#



#92
Benzo(g,h,i)perylene
Concen: 3.391 ng
RT: 17.462 min Scan# 2614
Delta R.T. -0.030 min
Lab File: BF138167.D
Acq: 07 Jun 2024 18:35

Tgt Ion:276 Resp: 10149
Ion Ratio Lower Upper
276 100
277 16.7 19.0 28.4#
138 25.2 16.5 24.7#

