

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061024\
 Data File : BF138172.D
 Acq On : 10 Jun 2024 15:07
 Operator : CG\JU
 Sample : PB161401TB
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB161401TB

Quant Time: Jun 10 15:38:09 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)

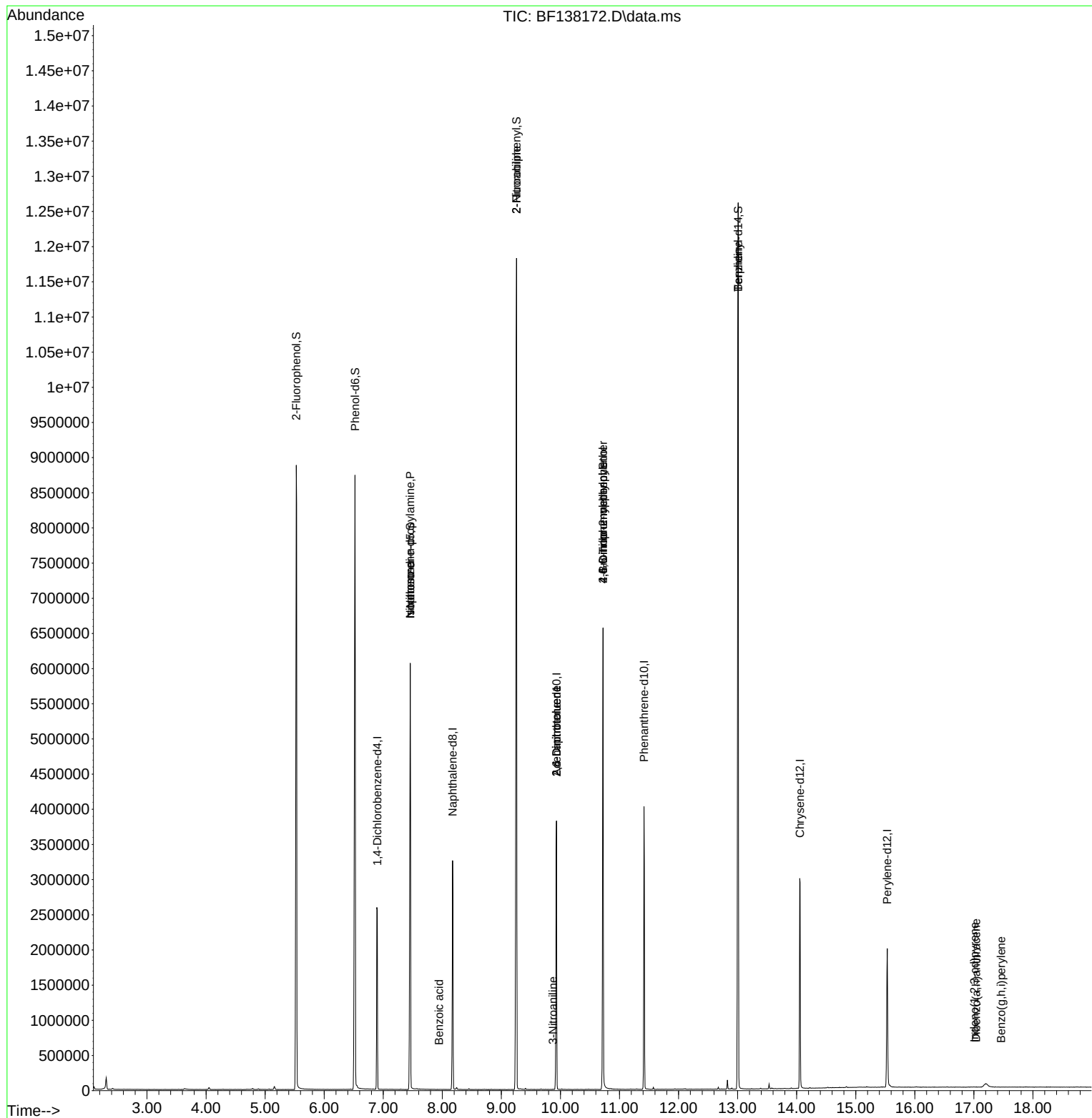
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	390352	20.000	ng	-0.01
21) Naphthalene-d8	8.175	136	1487364	20.000	ng	-0.02
39) Acenaphthene-d10	9.933	164	797339	20.000	ng	-0.01
64) Phenanthrene-d10	11.416	188	1386520	20.000	ng	#-0.02
76) Chrysene-d12	14.057	240	1012572	20.000	ng	-0.01
86) Perylene-d12	15.533	264	906607	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	2928049	127.836	ng	0.00
7) Phenol-d6	6.522	99	3597961	124.154	ng	-0.01
23) Nitrobenzene-d5	7.457	82	2099069	96.019	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	749588	97.687	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	3948623	86.592	ng	-0.01
79) Terphenyl-d14	13.010	244	4360647	64.414	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.445	77	1030	Below Cal		89
19) n-Nitroso-di-n-propyla...	7.457	70	270226	14.624 ng	#	79
25) Isophorone	7.457	82	2099052	43.584 ng	#	63
32) Benzoic acid	7.945	122	55	7.938 ng	#	1
48) 2-Nitroaniline	9.257	65	6976	5.363 ng	#	1
51) 2,6-Dinitrotoluene	9.933	165	103537	12.250 ng	#	25
53) 3-Nitroaniline	9.874	138	398	2.979 ng	#	95
57) 2,4-Dinitrotoluene	9.933	165	103537	11.153 ng	#	22
65) 4,6-Dinitro-2-methylph...	10.722	198	1823	8.751 ng	#	1
67) 4-Bromophenyl-phenylether	10.722	248	47926	3.036 ng	#	1
77) Benzidine	13.010	184	60424	5.799 ng	#	95
87) Indeno(1,2,3-cd)pyrene	17.009	276	76	3.484 ng	#	51
91) Dibenzo(a,h)anthracene	17.039	278	71	3.657 ng	#	56
92) Benzo(g,h,i)perylene	17.462	276	630	2.999 ng	#	54

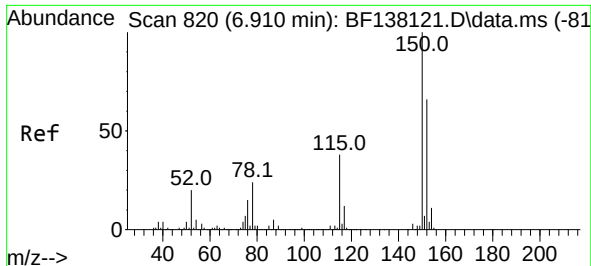
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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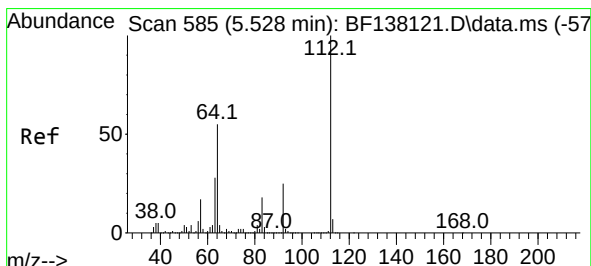
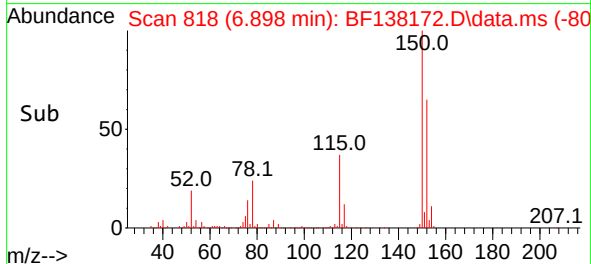
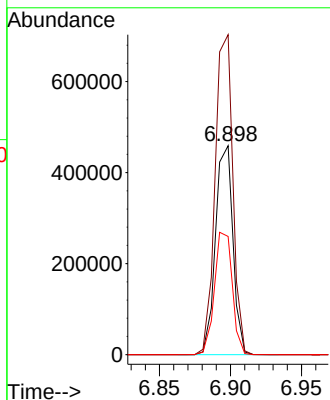
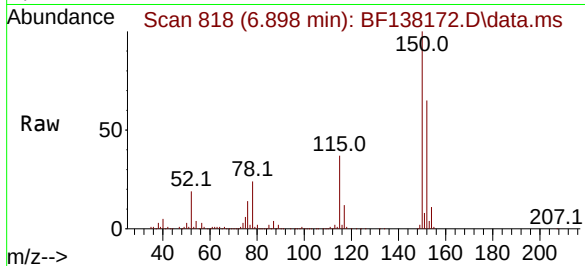




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.898 min Scan# 81
 Delta R.T. -0.012 min
 Lab File: BF138172.D
 Acq: 10 Jun 2024 15:07

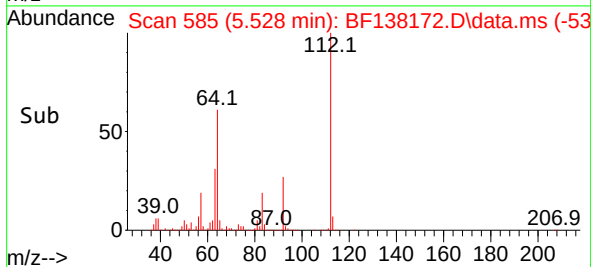
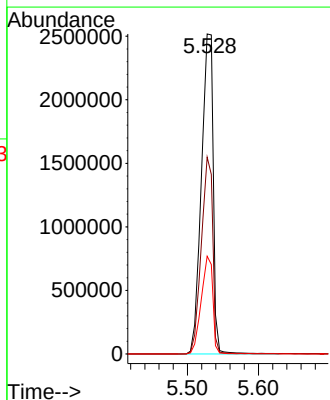
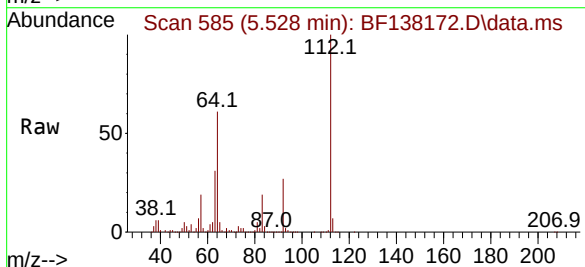
Instrument :
 BNA_F
 ClientSampleId :
 PB161401TB

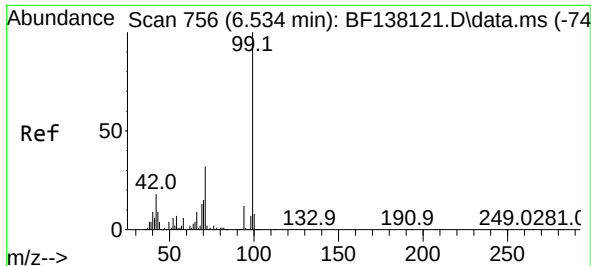
Tgt Ion:152 Resp: 390352
 Ion Ratio Lower Upper
 152 100
 150 153.1 121.8 182.6
 115 56.5 46.2 69.2



#5
 2-Fluorophenol
 Concen: 127.836 ng
 RT: 5.528 min Scan# 585
 Delta R.T. -0.000 min
 Lab File: BF138172.D
 Acq: 10 Jun 2024 15:07

Tgt Ion:112 Resp: 2928049
 Ion Ratio Lower Upper
 112 100
 64 61.5 44.0 66.0
 63 30.6 22.1 33.1

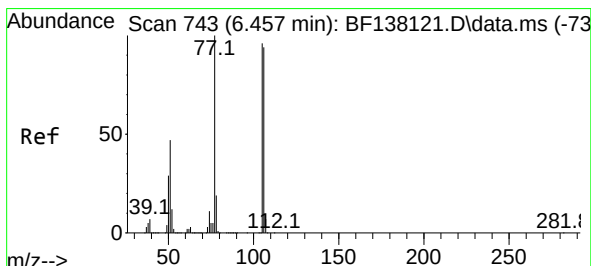
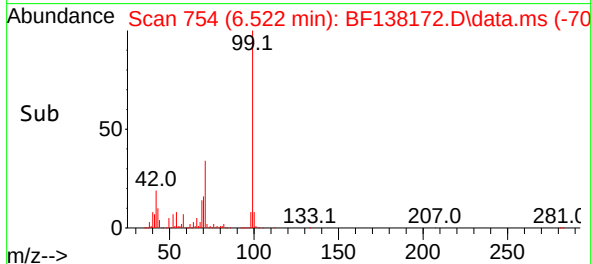
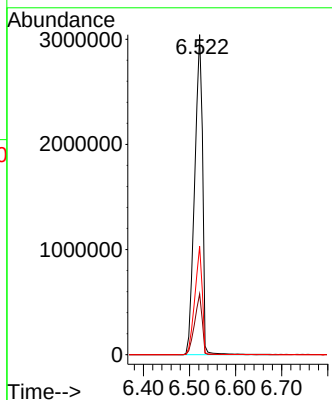
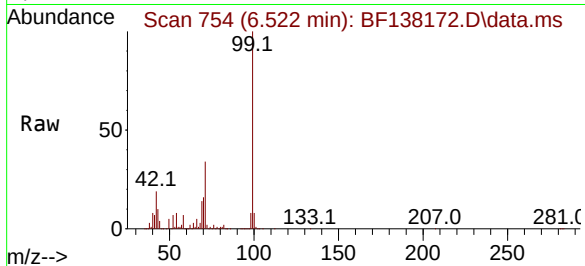




#7
Phenol-d6
Concen: 124.154 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF138172.D
Acq: 10 Jun 2024 15:07

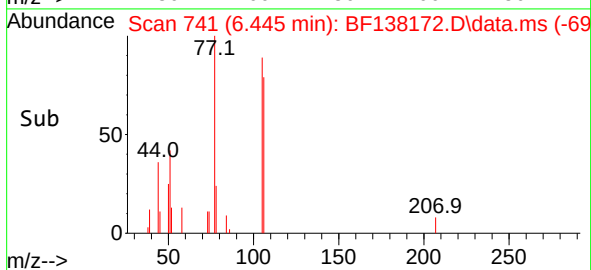
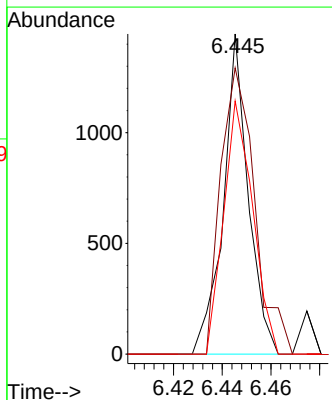
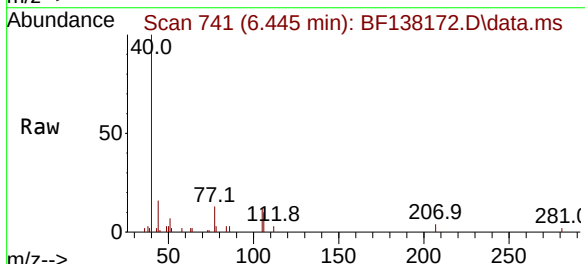
Instrument :
BNA_F
ClientSampleId :
PB161401TB

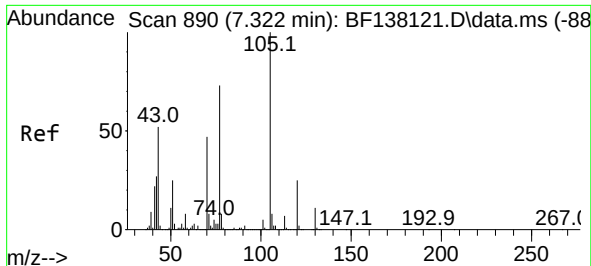
Tgt Ion: 99 Resp: 3597961
Ion Ratio Lower Upper
99 100
42 19.0 14.4 21.6
71 33.9 25.5 38.3



#9
Benzaldehyde
Concen: Below Cal
RT: 6.445 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF138172.D
Acq: 10 Jun 2024 15:07

Tgt Ion: 77 Resp: 1030
Ion Ratio Lower Upper
77 100
105 89.4 75.8 115.8
106 79.0 73.9 113.9

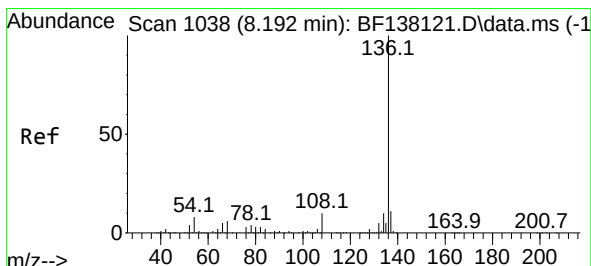
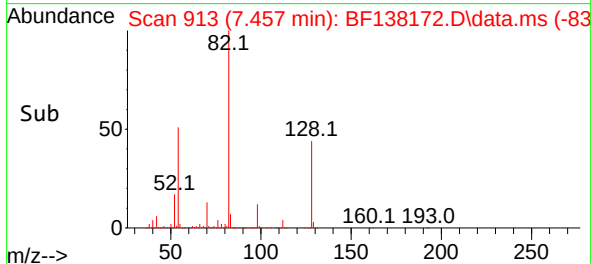
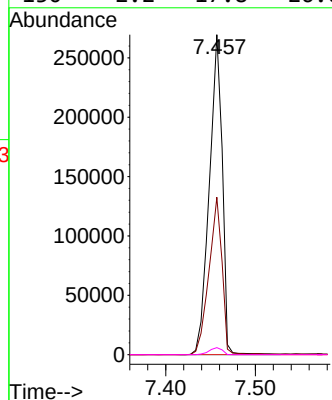
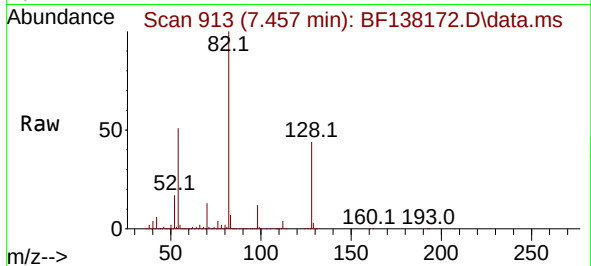




#19
n-Nitroso-di-n-propylamine
Concen: 14.624 ng
RT: 7.457 min Scan# 91
Delta R.T. 0.135 min
Lab File: BF138172.D
Acq: 10 Jun 2024 15:07

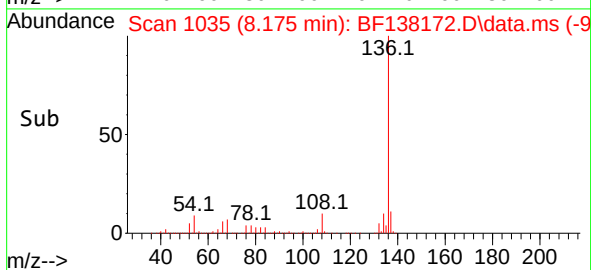
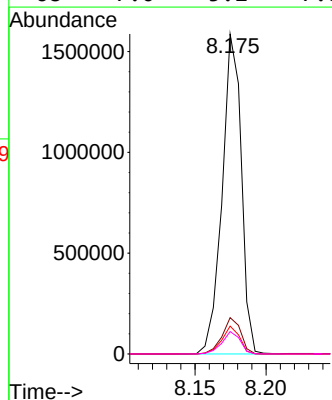
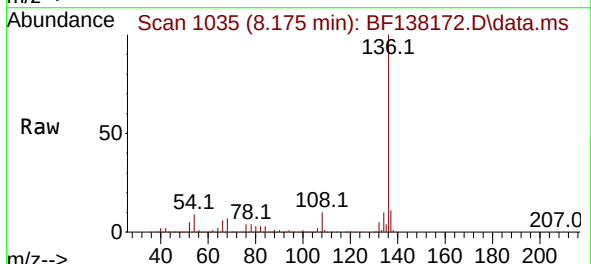
Instrument :
BNA_F
ClientSampleId :
PB161401TB

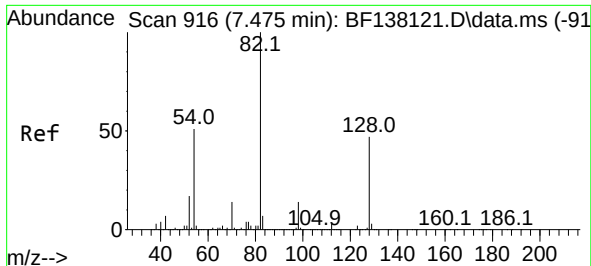
Tgt Ion: 70 Resp: 270226
Ion Ratio Lower Upper
70 100
42 49.2 46.3 69.5
101 0.0 7.7 11.5#
130 2.2 17.8 26.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1035
Delta R.T. -0.018 min
Lab File: BF138172.D
Acq: 10 Jun 2024 15:07

Tgt Ion: 136 Resp: 1487364
Ion Ratio Lower Upper
136 100
137 11.3 9.1 13.7
54 8.7 6.2 9.2
68 7.0 5.2 7.8

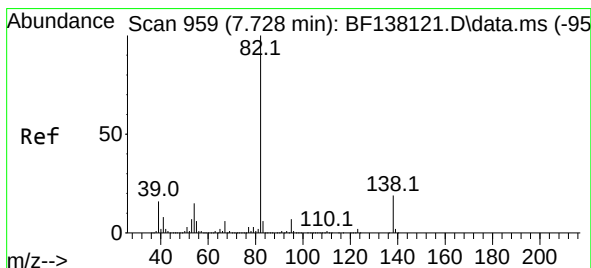
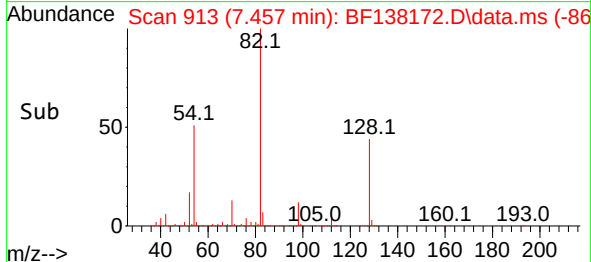
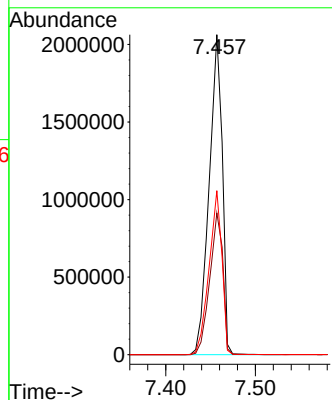
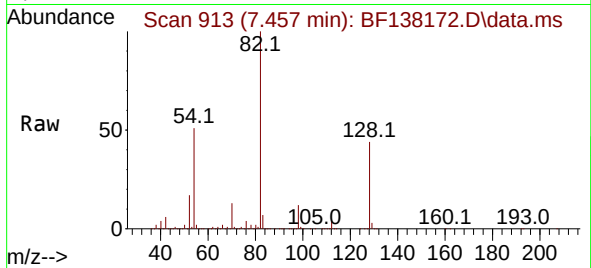




#23
Nitrobenzene-d5
Concen: 96.019 ng
RT: 7.457 min Scan# 913
Delta R.T. -0.018 min
Lab File: BF138172.D
Acq: 10 Jun 2024 15:07

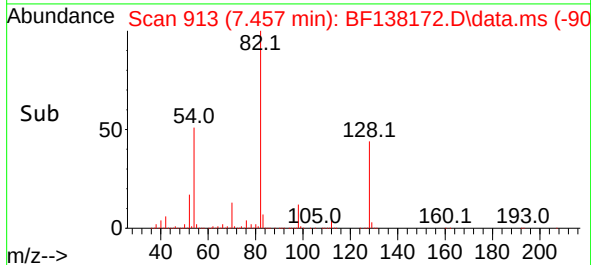
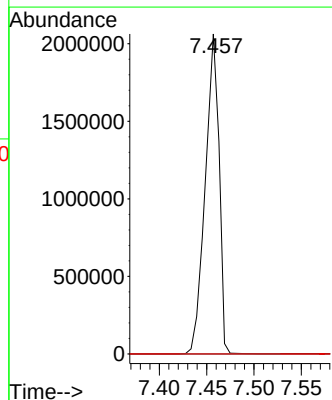
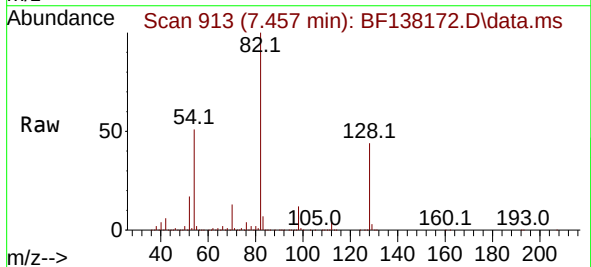
Instrument :
BNA_F
ClientSampleId :
PB161401TB

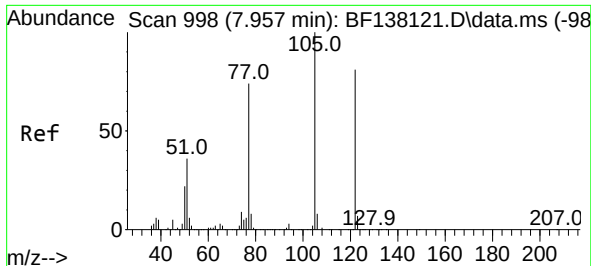
Tgt Ion: 82 Resp: 2099069
Ion Ratio Lower Upper
82 100
128 44.3 37.7 56.5
54 51.2 40.8 61.2



#25
Isophorone
Concen: 43.584 ng
RT: 7.457 min Scan# 913
Delta R.T. -0.271 min
Lab File: BF138172.D
Acq: 10 Jun 2024 15:07

Tgt Ion: 82 Resp: 2099052
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 15.5 23.3#

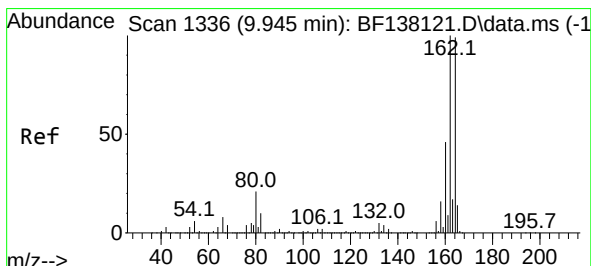
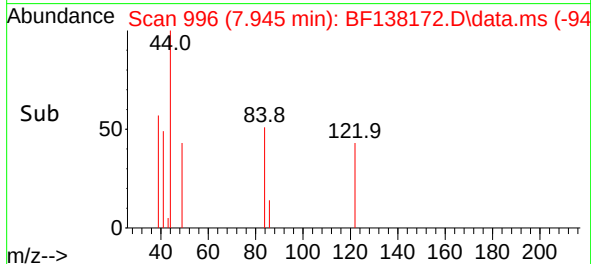
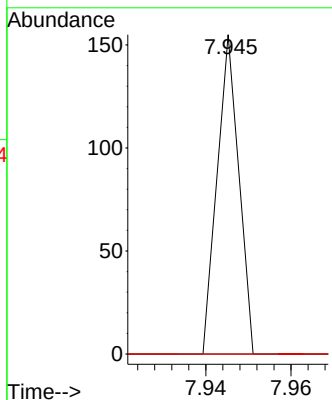
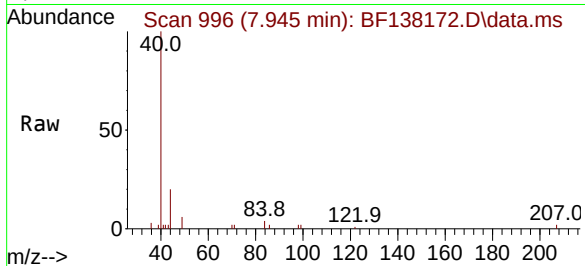




#32
Benzoic acid
Concen: 7.938 ng
RT: 7.945 min Scan# 998
Delta R.T. -0.012 min
Lab File: BF138172.D
Acq: 10 Jun 2024 15:07

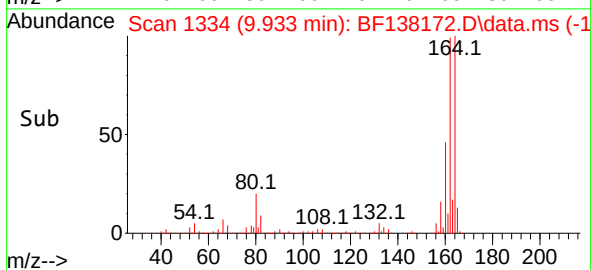
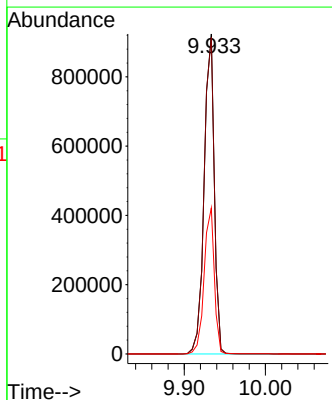
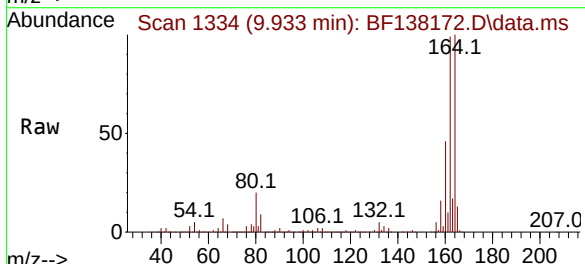
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ClientSampleId :
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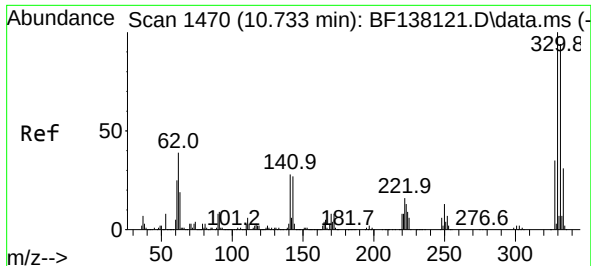
Tgt Ion:122 Resp: 55
Ion Ratio Lower Upper
122 100
105 0.0 102.8 142.8#
77 0.0 71.2 111.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1334
Delta R.T. -0.012 min
Lab File: BF138172.D
Acq: 10 Jun 2024 15:07

Tgt Ion:164 Resp: 797339
Ion Ratio Lower Upper
164 100
162 98.9 80.9 121.3
160 45.6 37.0 55.6





#42

2,4,6-Tribromophenol

Concen: 97.687 ng

RT: 10.722 min Scan# 1468

Delta R.T. -0.011 min

Lab File: BF138172.D

Acq: 10 Jun 2024 15:07

Instrument :

BNA_F

ClientSampleId :

PB161401TB

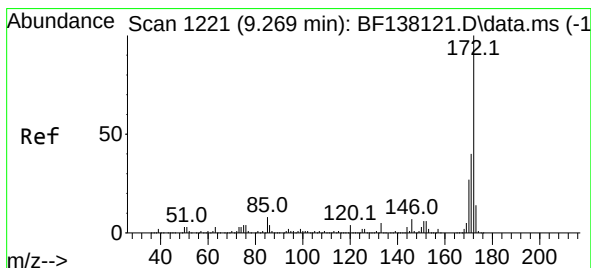
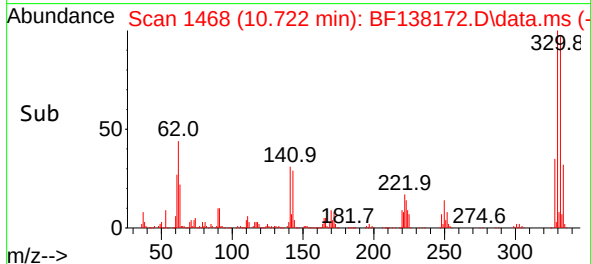
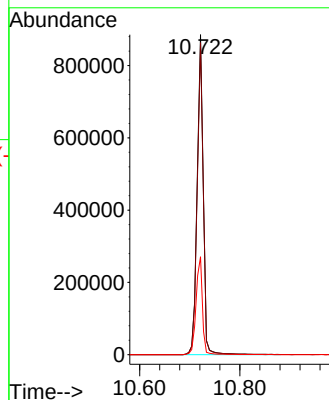
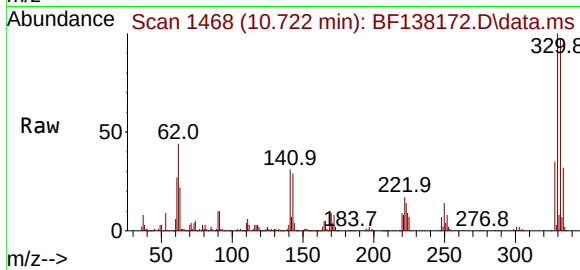
Tgt Ion:330 Resp: 749588

Ion Ratio Lower Upper

330 100

332 96.9 75.8 113.8

141 31.7 23.2 34.8



#45

2-Fluorobiphenyl

Concen: 86.592 ng

RT: 9.257 min Scan# 1219

Delta R.T. -0.012 min

Lab File: BF138172.D

Acq: 10 Jun 2024 15:07

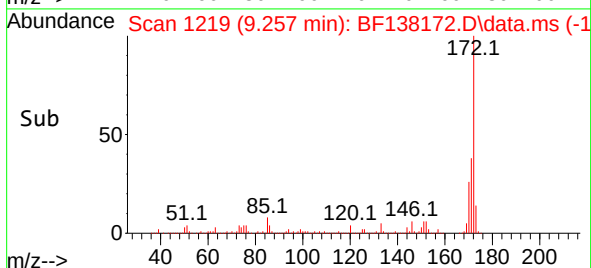
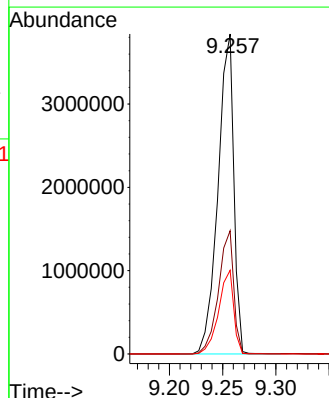
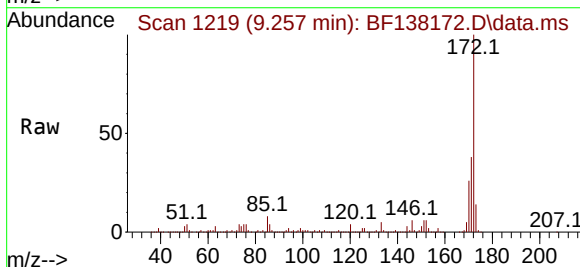
Tgt Ion:172 Resp: 3948623

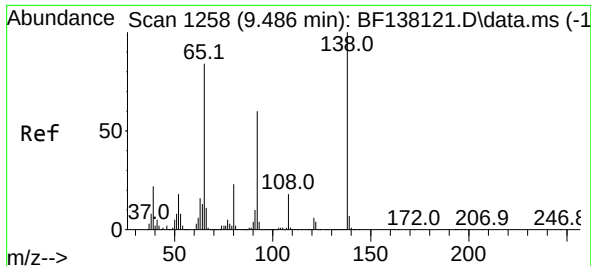
Ion Ratio Lower Upper

172 100

171 38.5 31.6 47.4

170 26.2 21.4 32.2

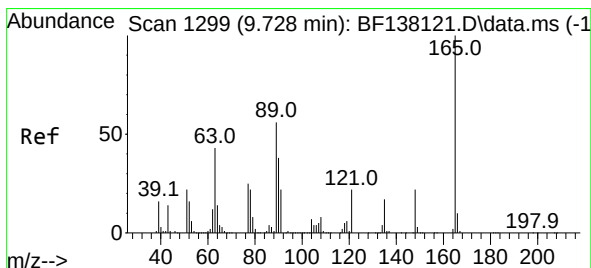
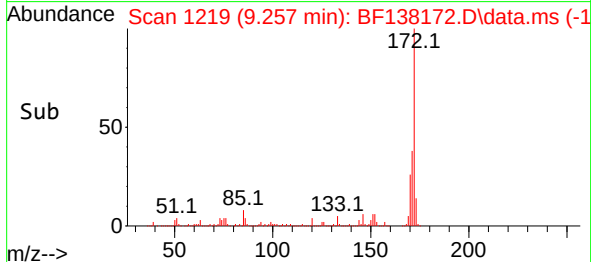
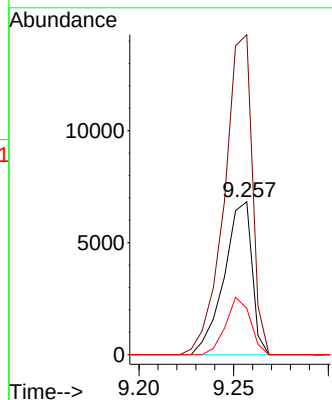
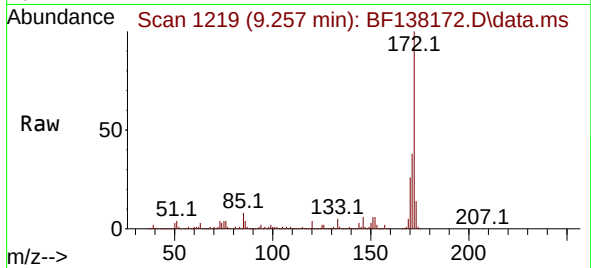




#48
2-Nitroaniline
Concen: 5.363 ng
RT: 9.257 min Scan# 11
Delta R.T. -0.229 min
Lab File: BF138172.D
Acq: 10 Jun 2024 15:07

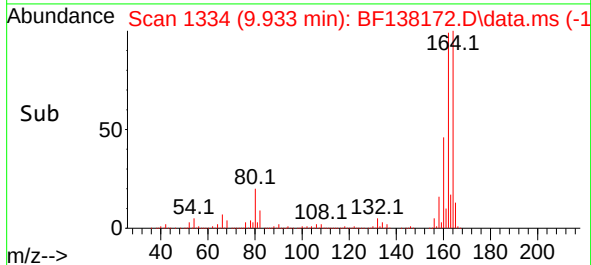
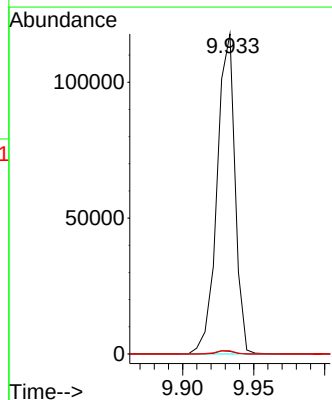
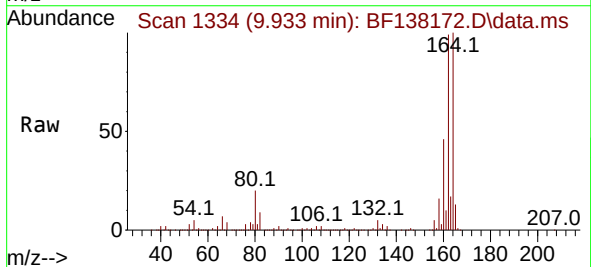
Instrument :
BNA_F
ClientSampleId :
PB161401TB

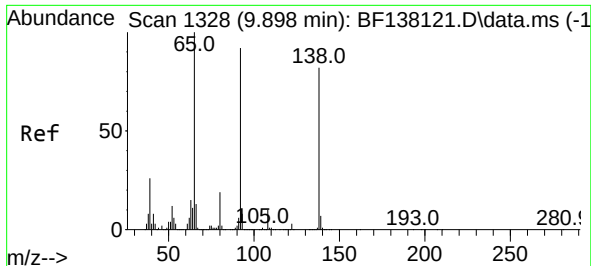
Tgt Ion: 65 Resp: 6976
Ion Ratio Lower Upper
65 100
92 209.1 57.3 85.9#
138 30.3 95.4 143.2#



#51
2,6-Dinitrotoluene
Concen: 12.250 ng
RT: 9.933 min Scan# 1334
Delta R.T. 0.205 min
Lab File: BF138172.D
Acq: 10 Jun 2024 15:07

Tgt Ion:165 Resp: 103537
Ion Ratio Lower Upper
165 100
63 0.8 42.9 64.3#
89 1.0 45.0 67.4#

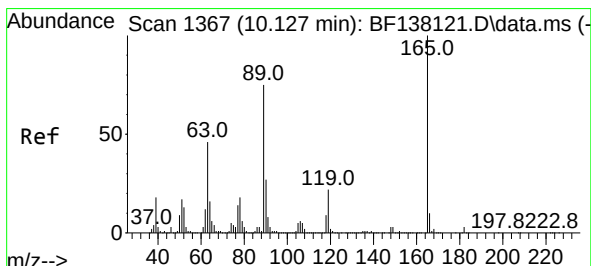
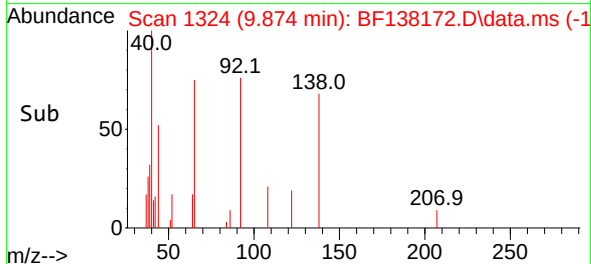
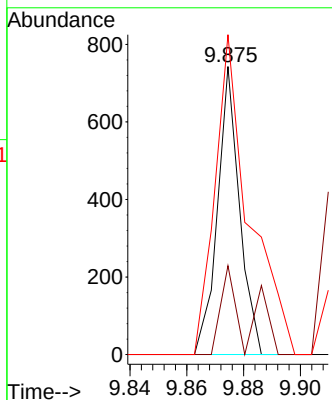
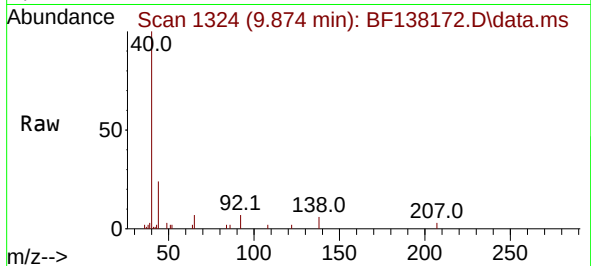




#53
3-Nitroaniline
Concen: 2.979 ng
RT: 9.874 min Scan# 11
Delta R.T. -0.024 min
Lab File: BF138172.D
Acq: 10 Jun 2024 15:07

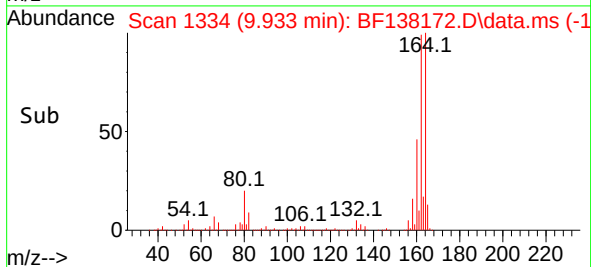
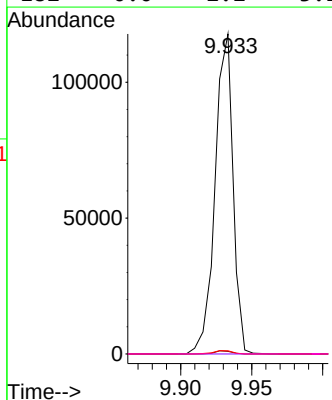
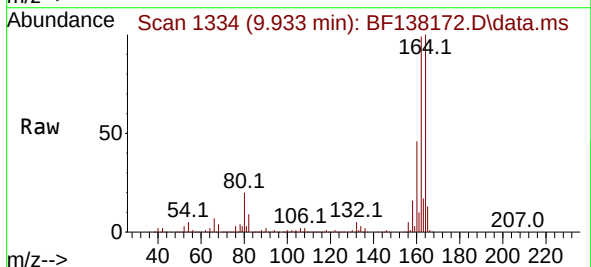
Instrument :
BNA_F
ClientSampleId :
PB161401TB

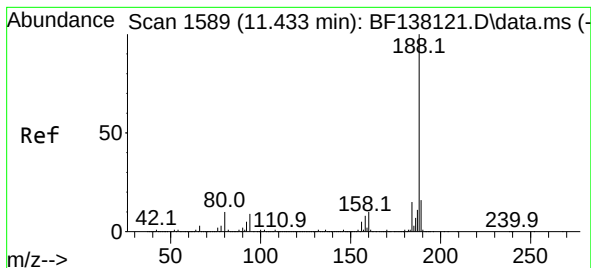
Tgt Ion:138 Resp: 398
Ion Ratio Lower Upper
138 100
108 30.8 10.3 15.5#
92 111.0 89.5 134.3



#57
2,4-Dinitrotoluene
Concen: 11.153 ng
RT: 9.933 min Scan# 1334
Delta R.T. -0.194 min
Lab File: BF138172.D
Acq: 10 Jun 2024 15:07

Tgt Ion:165 Resp: 103537
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: 11.416 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF138172.D

Acq: 10 Jun 2024 15:07

Instrument :

BNA_F

ClientSampleId :

PB161401TB

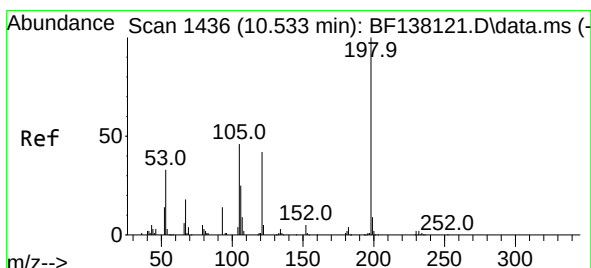
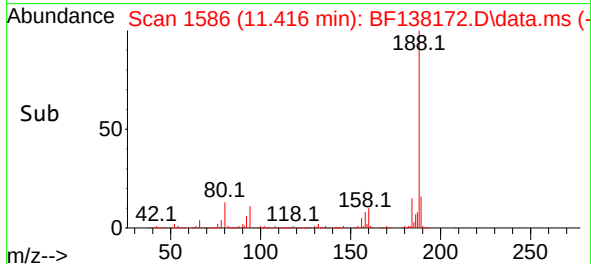
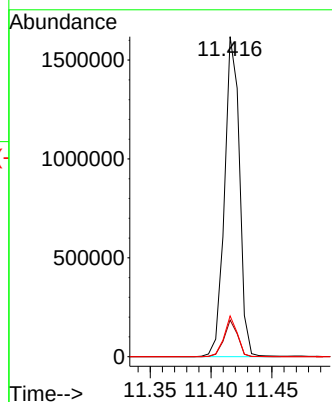
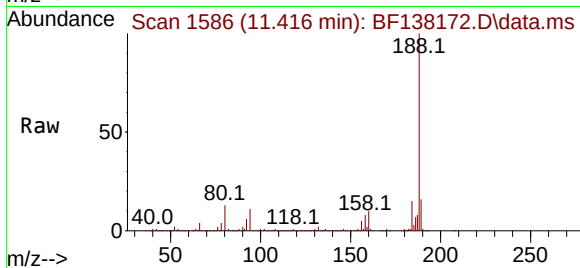
Tgt Ion:188 Resp: 1386520

Ion Ratio Lower Upper

188 100

94 11.5 7.4 11.2#

80 12.8 7.7 11.5#



#65

4,6-Dinitro-2-methylphenol

Concen: 8.751 ng

RT: 10.722 min Scan# 1468

Delta R.T. 0.189 min

Lab File: BF138172.D

Acq: 10 Jun 2024 15:07

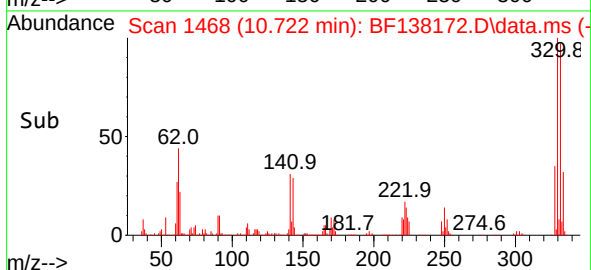
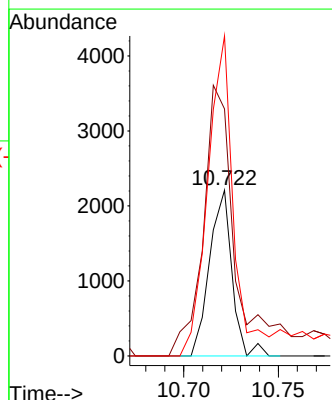
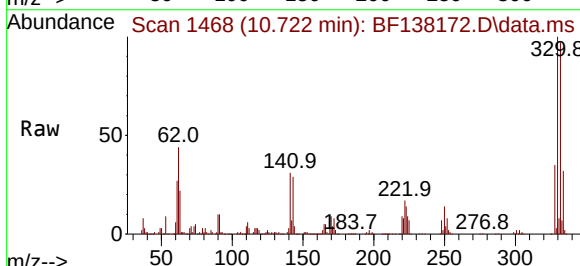
Tgt Ion:198 Resp: 1823

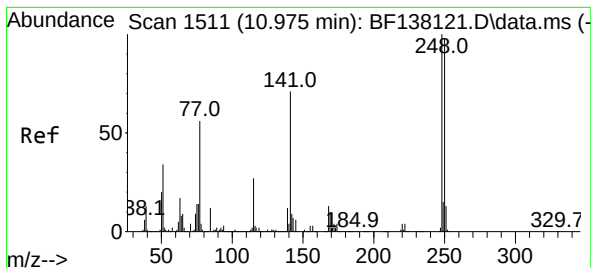
Ion Ratio Lower Upper

198 100

51 149.1 28.2 68.2#

105 193.1 26.8 66.8#

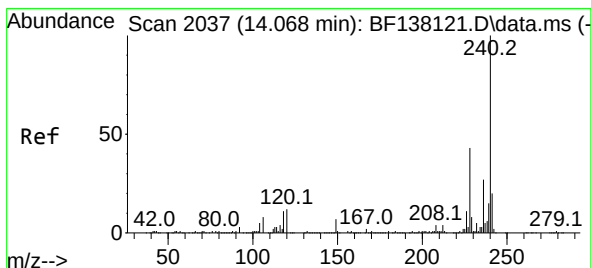
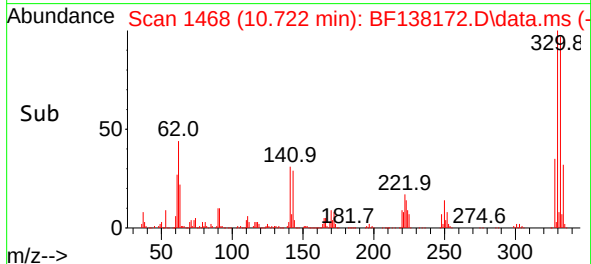
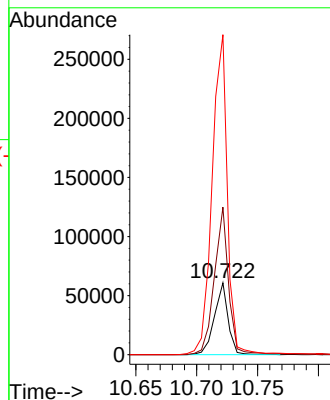
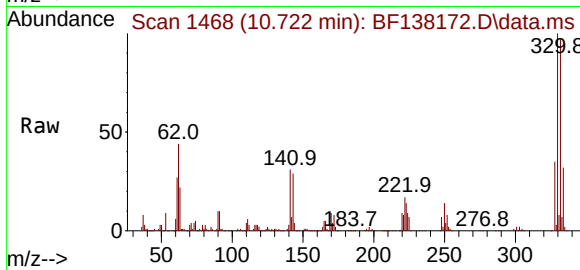




#67
4-Bromophenyl-phenylether
Concen: 3.036 ng
RT: 10.722 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF138172.D
Acq: 10 Jun 2024 15:07

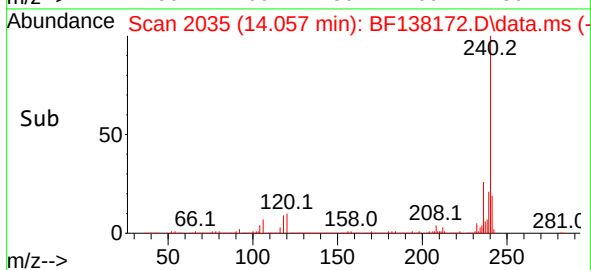
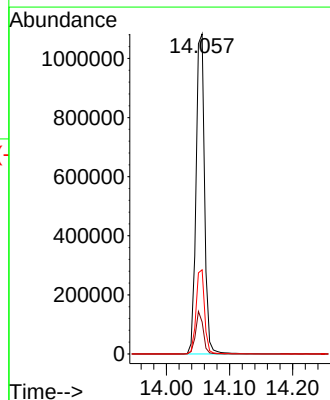
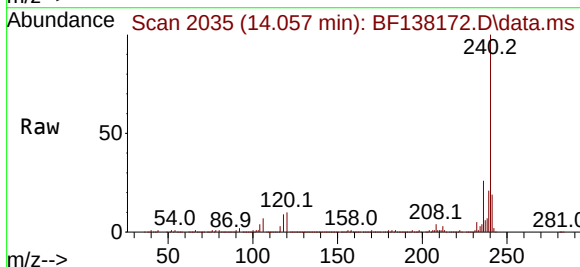
Instrument :
BNA_F
ClientSampleId :
PB161401TB

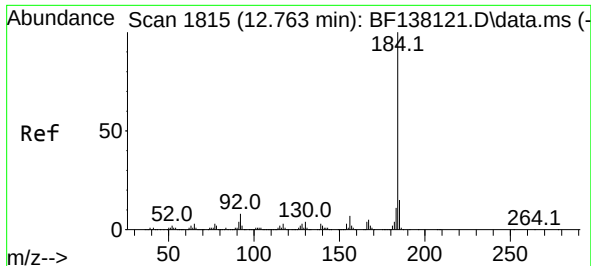
Tgt Ion:248 Resp: 47926
Ion Ratio Lower Upper
248 100
250 205.2 78.7 118.1#
141 445.2 56.5 84.7#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.011 min
Lab File: BF138172.D
Acq: 10 Jun 2024 15:07

Tgt Ion:240 Resp: 1012572
Ion Ratio Lower Upper
240 100
120 10.0 9.8 14.8
236 26.3 21.2 31.8

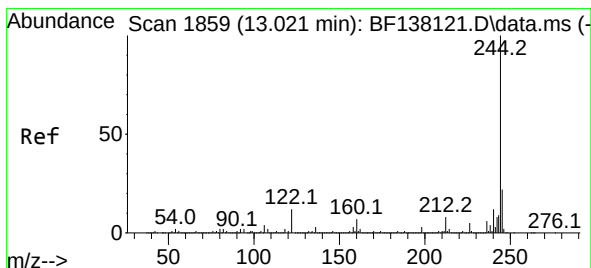
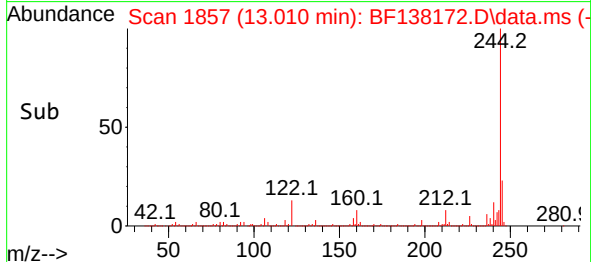
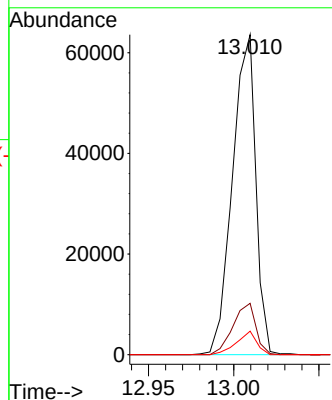
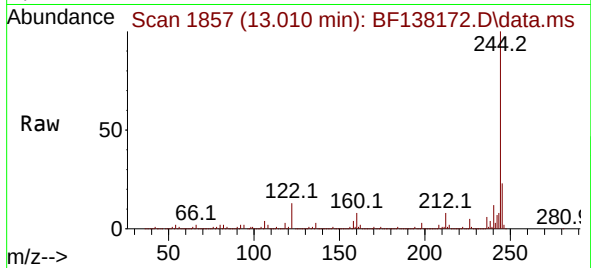




#77
Benzidine
Concen: 5.799 ng
RT: 13.010 min Scan# 1857
Delta R.T. 0.247 min
Lab File: BF138172.D
Acq: 10 Jun 2024 15:07

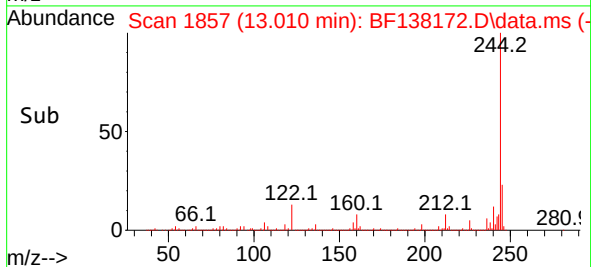
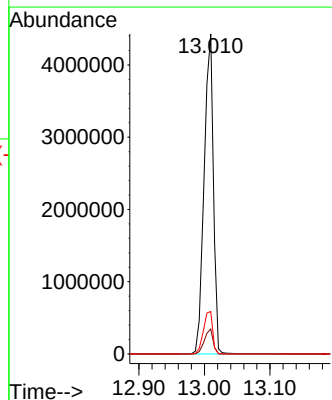
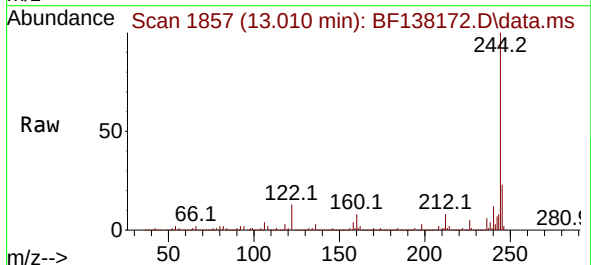
Instrument :
BNA_F
ClientSampleId :
PB161401TB

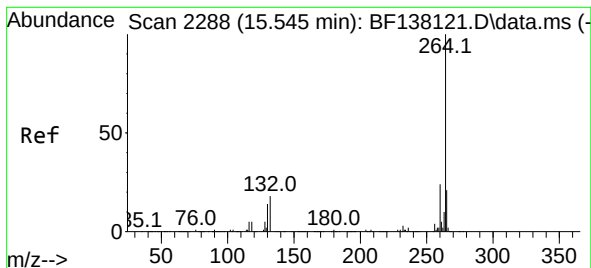
Tgt Ion:184 Resp: 60424
Ion Ratio Lower Upper
184 100
185 16.0 12.2 18.2
183 7.3 9.0 13.4#



#79
Terphenyl-d14
Concen: 64.414 ng
RT: 13.010 min Scan# 1857
Delta R.T. -0.012 min
Lab File: BF138172.D
Acq: 10 Jun 2024 15:07

Tgt Ion:244 Resp: 4360647
Ion Ratio Lower Upper
244 100
212 7.8 6.4 9.6
122 13.3 9.4 14.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.533 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF138172.D

Acq: 10 Jun 2024 15:07

Instrument :

BNA_F

ClientSampleId :

PB161401TB

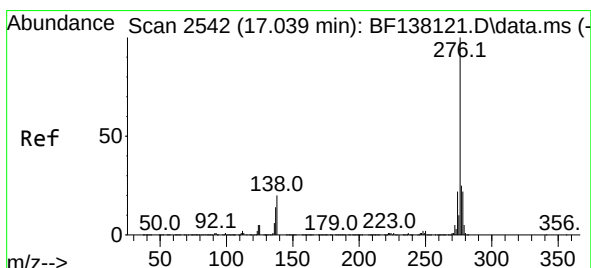
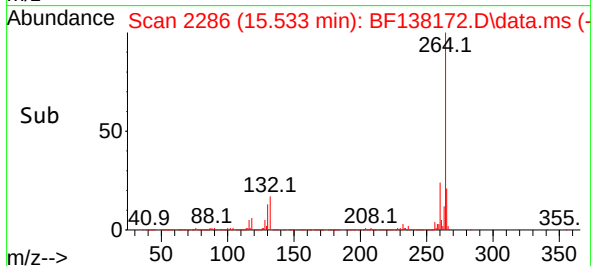
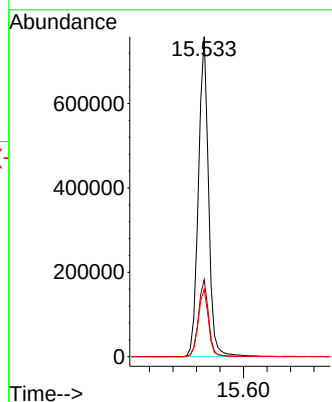
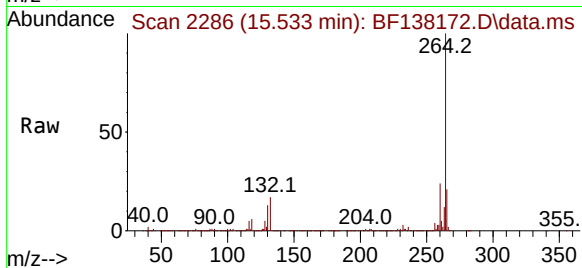
Tgt Ion:264 Resp: 906607

Ion Ratio Lower Upper

264 100

260 24.0 19.4 29.2

265 21.1 17.1 25.7



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.484 ng

RT: 17.009 min Scan# 2537

Delta R.T. -0.030 min

Lab File: BF138172.D

Acq: 10 Jun 2024 15:07

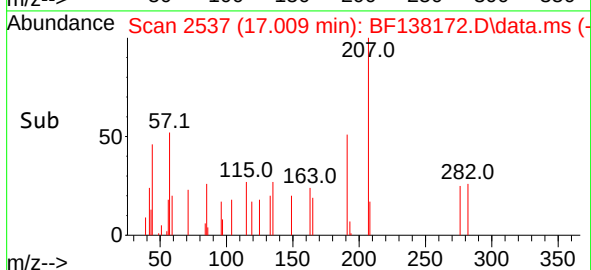
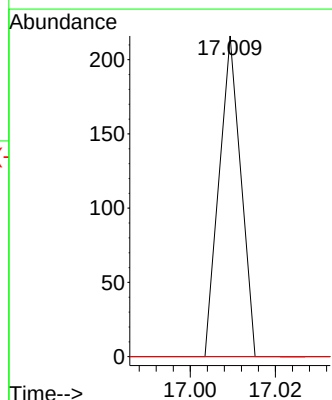
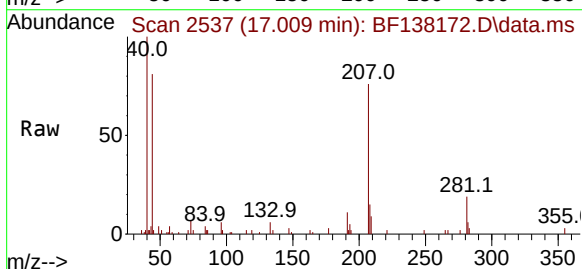
Tgt Ion:276 Resp: 76

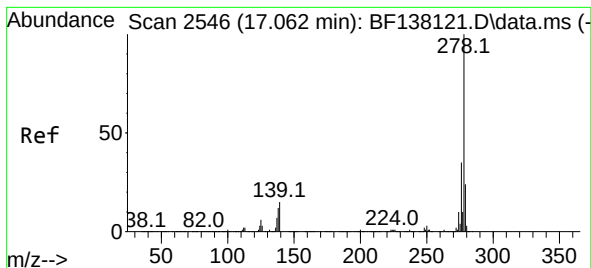
Ion Ratio Lower Upper

276 100

138 0.0 18.9 28.3#

277 0.0 20.3 30.5#





#91

Dibenzo(a,h)anthracene

Concen: 3.657 ng

RT: 17.039 min Scan# 21

Delta R.T. -0.023 min

Lab File: BF138172.D

Acq: 10 Jun 2024 15:07

Instrument :

BNA_F

ClientSampleId :

PB161401TB

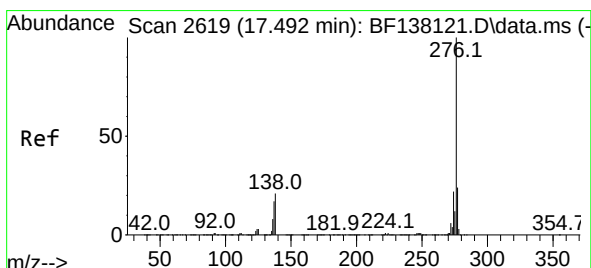
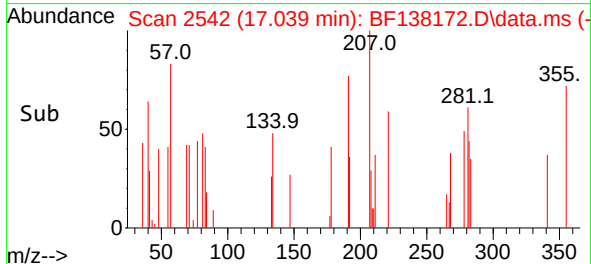
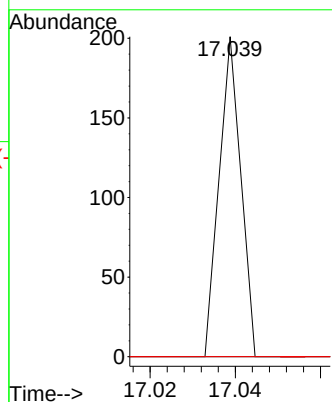
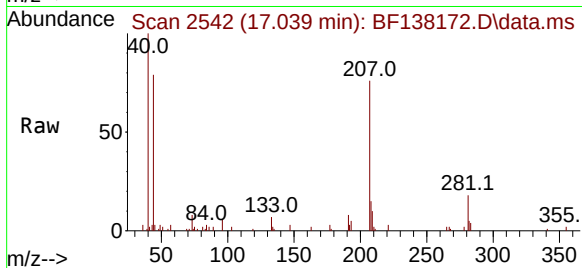
Tgt Ion:278 Resp: 71

Ion Ratio Lower Upper

278 100

139 0.0 11.7 17.5#

279 0.0 19.2 28.8#



#92

Benzo(g,h,i)perylene

Concen: 2.999 ng

RT: 17.462 min Scan# 2614

Delta R.T. -0.030 min

Lab File: BF138172.D

Acq: 10 Jun 2024 15:07

Tgt Ion:276 Resp: 630

Ion Ratio Lower Upper

276 100

277 0.0 19.0 28.4#

138 0.0 16.5 24.7#

