

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070124\
 Data File : BF138409.D
 Acq On : 01 Jul 2024 18:06
 Operator : CG\JU
 Sample : P3076-13
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 7-B-1

Quant Time: Jul 01 18:38:04 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jun 29 02:44:30 2024
 Response via : Initial Calibration

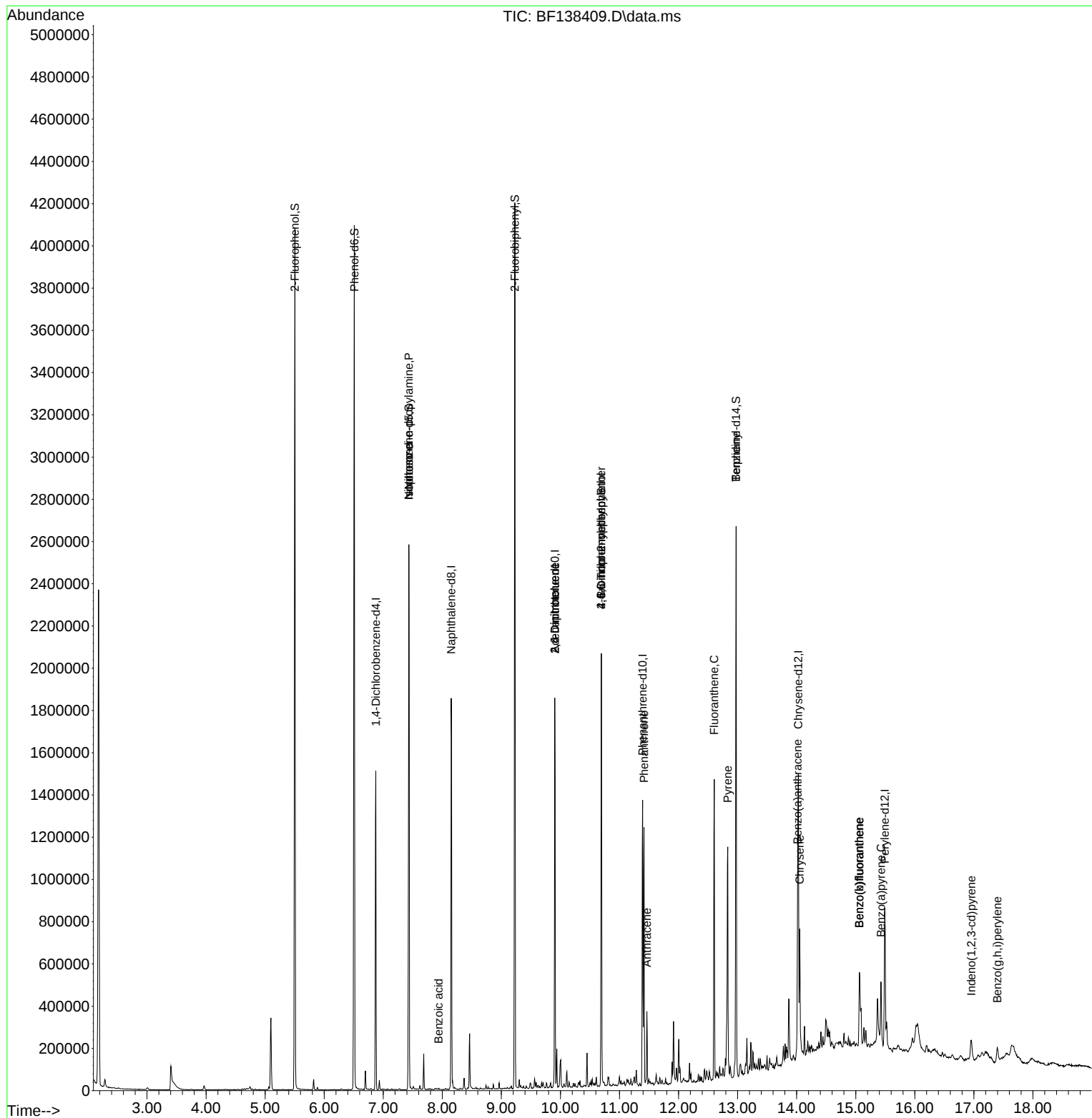
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	198390	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	764564	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	357846	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	458720	20.000	ng	0.00
76) Chrysene-d12	14.027	240	354982	20.000	ng	0.00
86) Perylene-d12	15.492	264	298699	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	956898	79.968	ng	0.00
7) Phenol-d6	6.510	99	1262328	78.311	ng	0.00
23) Nitrobenzene-d5	7.434	82	795028	54.018	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	196341	67.156	ng	-0.01
45) 2-Fluorobiphenyl	9.228	172	1160364	51.605	ng	0.00
79) Terphenyl-d14	12.974	244	827445	31.944	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.434	70	104648	10.298	ng	# 77
25) Isophorone	7.434	82	795019	29.295	ng	# 67
32) Benzoic acid	7.939	122	142	4.116	ng	# 1
51) 2,6-Dinitrotoluene	9.904	165	47071	9.139	ng	# 20
57) 2,4-Dinitrotoluene	9.904	165	47071	7.422	ng	# 19
65) 4,6-Dinitro-2-methylph...	10.692	198	439	5.957	ng	# 1
67) 4-Bromophenyl-phenylether	10.692	248	13016	2.640	ng	# 1
71) Phenanthrene	11.416	178	420553	18.777	ng	98
72) Anthracene	11.463	178	117784	5.273	ng	98
75) Fluoranthene	12.604	202	525548	26.174	ng	99
77) Benzidine	12.974	184	11310	3.984	ng	# 96
78) Pyrene	12.833	202	454150	11.970	ng	99
81) Benzo(a)anthracene	14.015	228	234004	10.242	ng	97
83) Chrysene	14.051	228	193683	8.712	ng	97
87) Indeno(1,2,3-cd)pyrene	16.956	276	57535	3.834	ng	99
88) Benzo(b)fluoranthene	15.062	252	256371	15.643	ng	# 94
89) Benzo(k)fluoranthene	15.062	252	256371	16.984	ng	# 95
90) Benzo(a)pyrene	15.427	252	127907	8.904	ng	# 95
92) Benzo(g,h,i)perylene	17.398	276	55288	4.665	ng	# 91

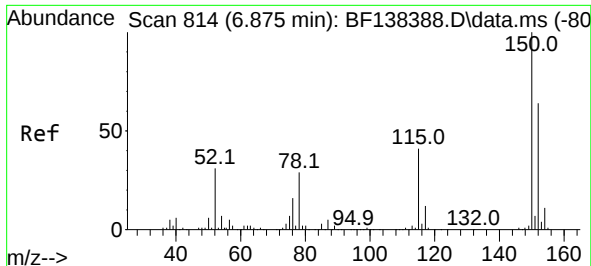
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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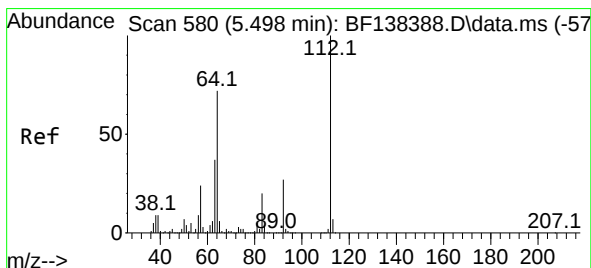
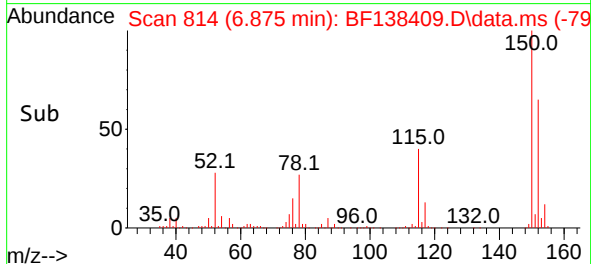
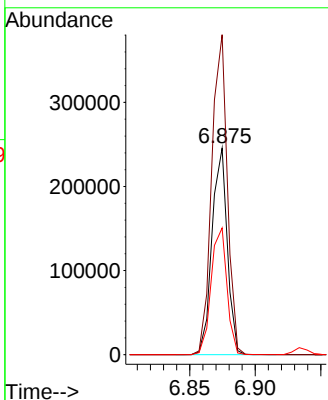
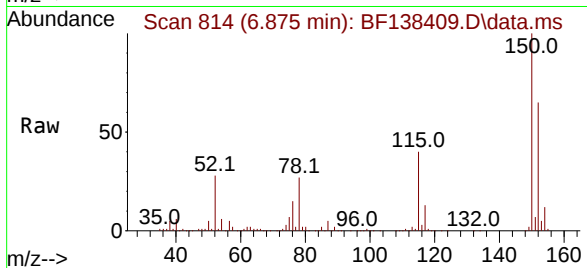




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF138409.D
Acq: 01 Jul 2024 18:06

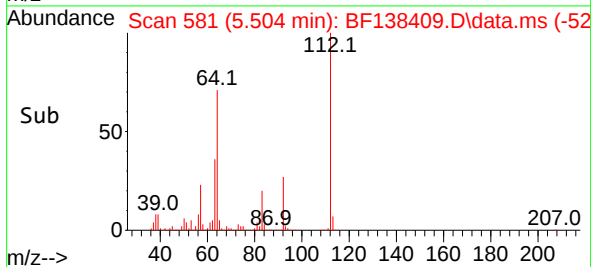
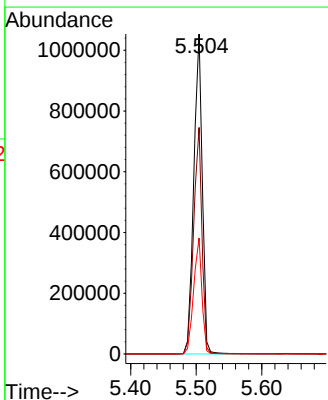
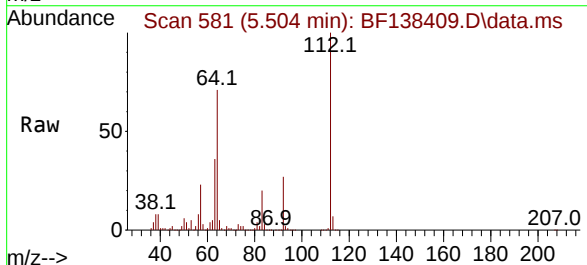
Instrument :
BNA_F
ClientSampleId :
7-B-1

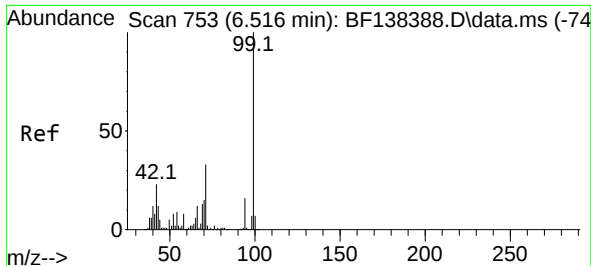
Tgt Ion:152 Resp: 198390
Ion Ratio Lower Upper
152 100
150 154.9 124.9 187.3
115 61.3 50.8 76.2



#5
2-Fluorophenol
Concen: 79.968 ng
RT: 5.504 min Scan# 581
Delta R.T. 0.006 min
Lab File: BF138409.D
Acq: 01 Jul 2024 18:06

Tgt Ion:112 Resp: 956898
Ion Ratio Lower Upper
112 100
64 70.8 57.2 85.8
63 36.3 29.4 44.0

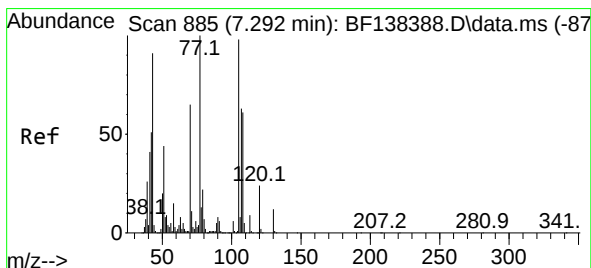
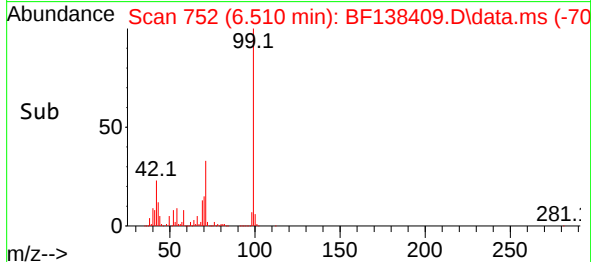
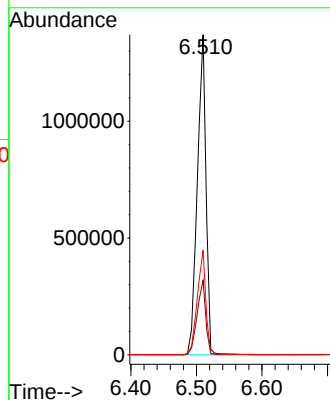
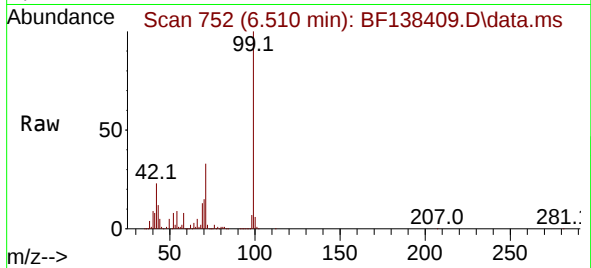




#7
Phenol-d6
Concen: 78.311 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF138409.D
Acq: 01 Jul 2024 18:06

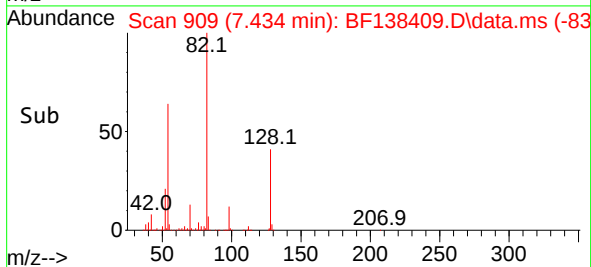
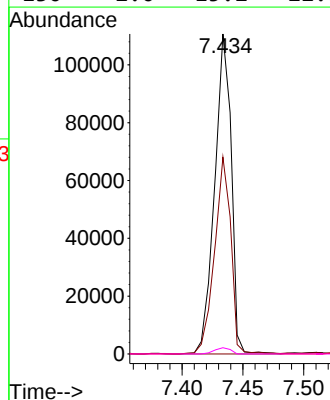
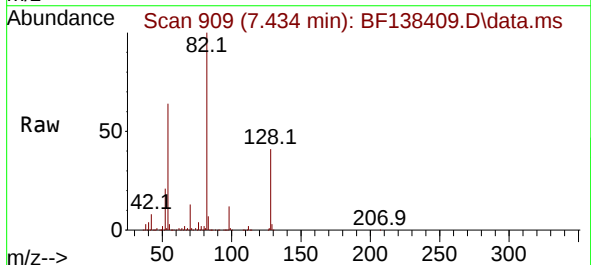
Instrument :
BNA_F
ClientSampleId :
7-B-1

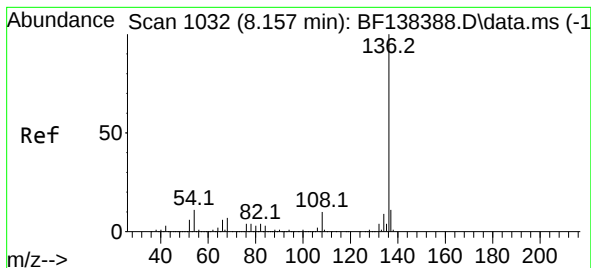
Tgt Ion: 99 Resp: 1262328
Ion Ratio Lower Upper
99 100
42 23.2 18.5 27.7
71 32.7 26.1 39.1



#19
n-Nitroso-di-n-propylamine
Concen: 10.298 ng
RT: 7.434 min Scan# 909
Delta R.T. 0.141 min
Lab File: BF138409.D
Acq: 01 Jul 2024 18:06

Tgt Ion: 70 Resp: 104648
Ion Ratio Lower Upper
70 100
42 61.5 62.5 93.7#
101 0.0 7.0 10.4#
130 2.0 15.2 22.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.151 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF138409.D

Acq: 01 Jul 2024 18:06

Instrument :

BNA_F

ClientSampleId :

7-B-1

Tgt Ion:136 Resp: 764564

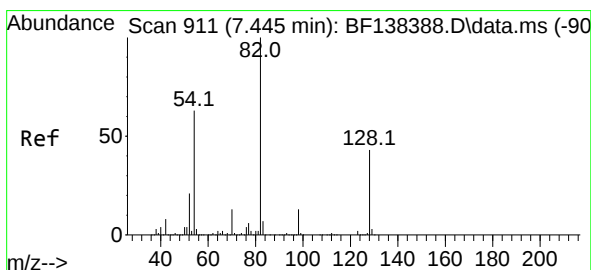
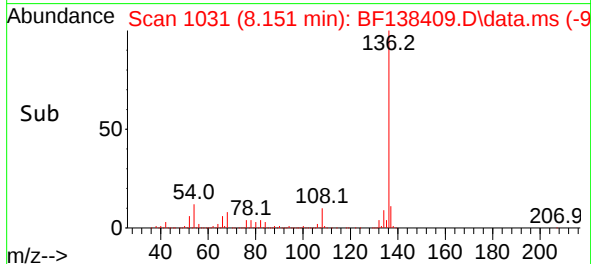
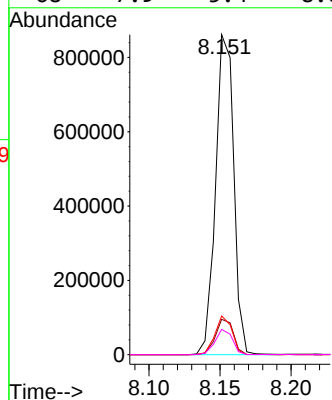
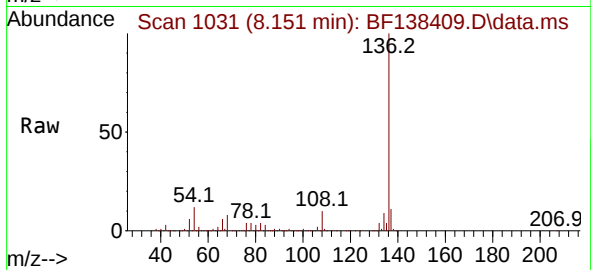
Ion Ratio Lower Upper

136 100

137 11.1 8.8 13.2

54 12.1 9.0 13.4

68 7.9 5.4 8.0



#23

Nitrobenzene-d5

Concen: 54.018 ng

RT: 7.434 min Scan# 909

Delta R.T. -0.012 min

Lab File: BF138409.D

Acq: 01 Jul 2024 18:06

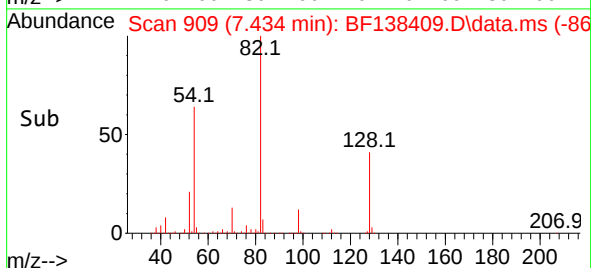
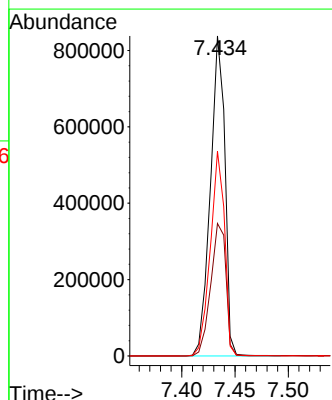
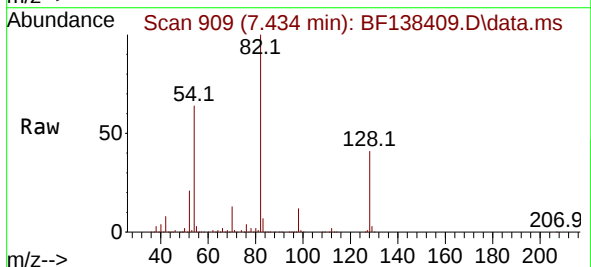
Tgt Ion: 82 Resp: 795028

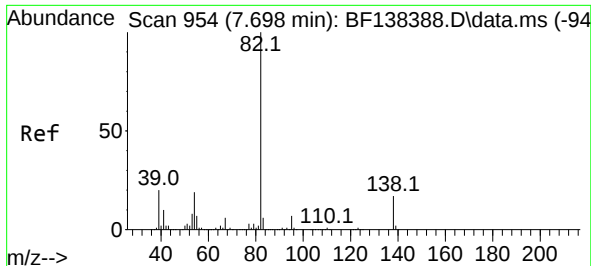
Ion Ratio Lower Upper

82 100

128 41.4 34.6 52.0

54 64.0 50.5 75.7

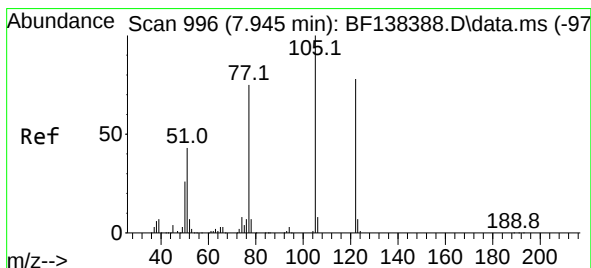
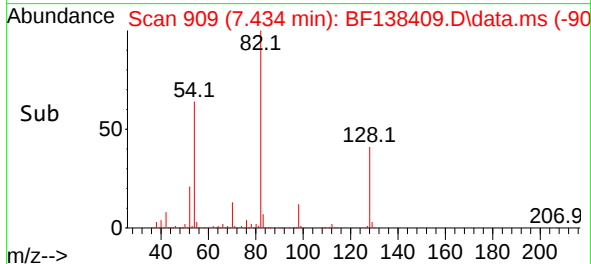
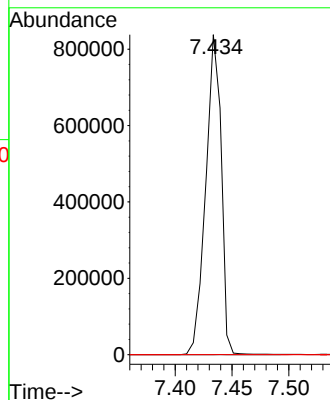
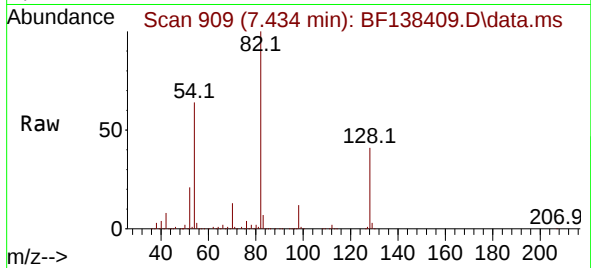




#25
Isophorone
Concen: 29.295 ng
RT: 7.434 min Scan# 909
Delta R.T. -0.265 min
Lab File: BF138409.D
Acq: 01 Jul 2024 18:06

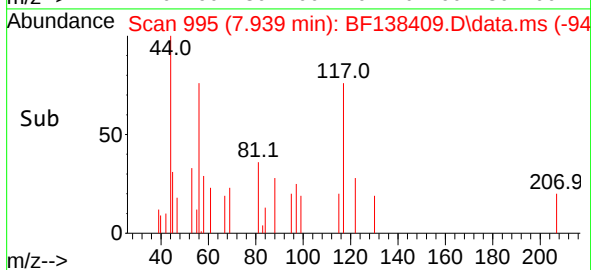
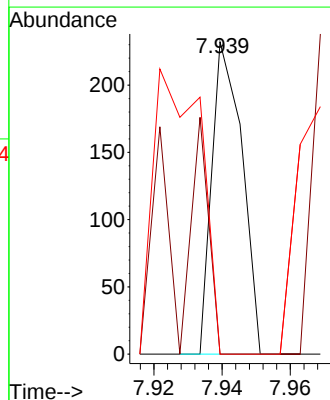
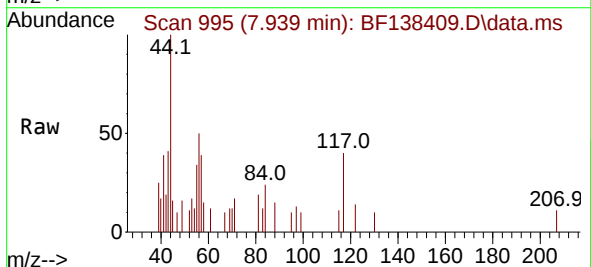
Instrument :
BNA_F
ClientSampleId :
7-B-1

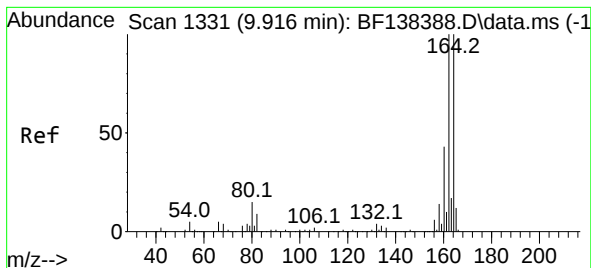
Tgt Ion: 82 Resp: 795019
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.4 20.2#



#32
Benzoic acid
Concen: 4.116 ng
RT: 7.939 min Scan# 995
Delta R.T. -0.006 min
Lab File: BF138409.D
Acq: 01 Jul 2024 18:06

Tgt Ion:122 Resp: 142
Ion Ratio Lower Upper
122 100
105 0.0 103.8 143.8#
77 0.0 74.3 114.3#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.904 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF138409.D

Acq: 01 Jul 2024 18:06

Instrument :

BNA_F

ClientSampleId :

7-B-1

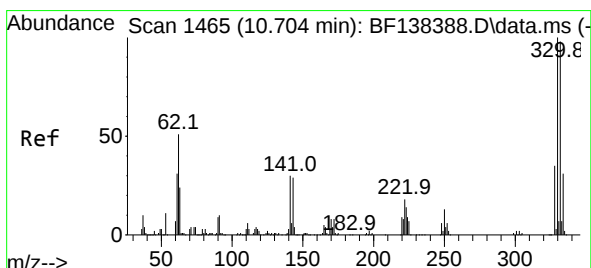
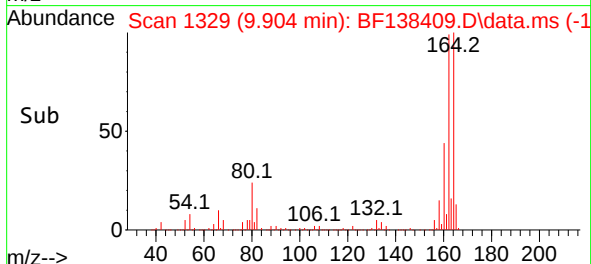
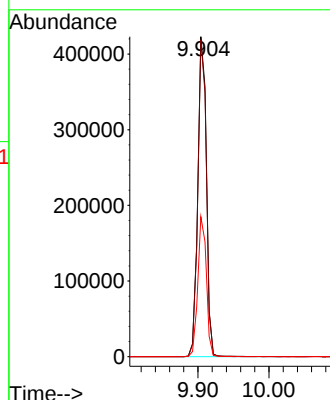
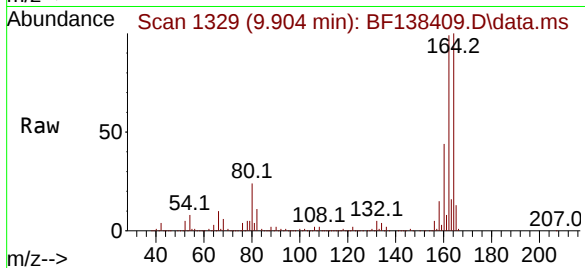
Tgt Ion:164 Resp: 357846

Ion Ratio Lower Upper

164 100

162 99.1 80.1 120.1

160 43.8 34.1 51.1



#42

2,4,6-Tribromophenol

Concen: 67.156 ng

RT: 10.692 min Scan# 1463

Delta R.T. -0.012 min

Lab File: BF138409.D

Acq: 01 Jul 2024 18:06

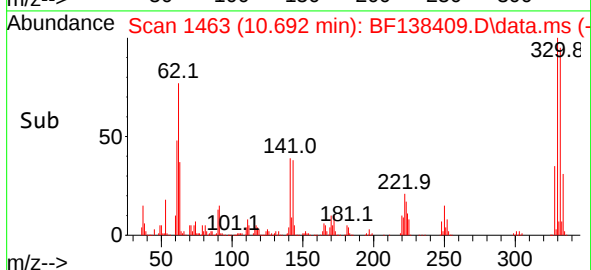
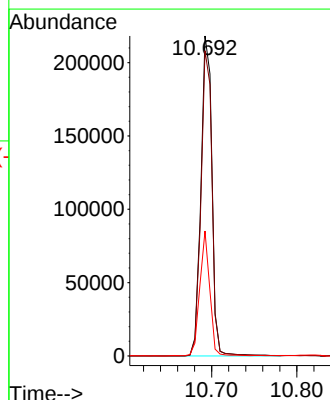
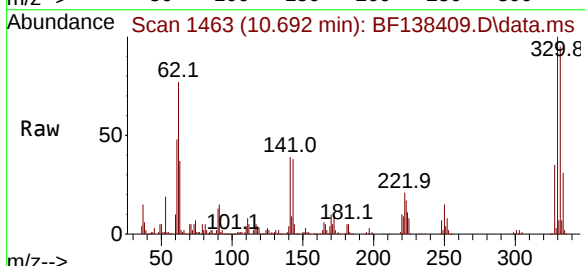
Tgt Ion:330 Resp: 196341

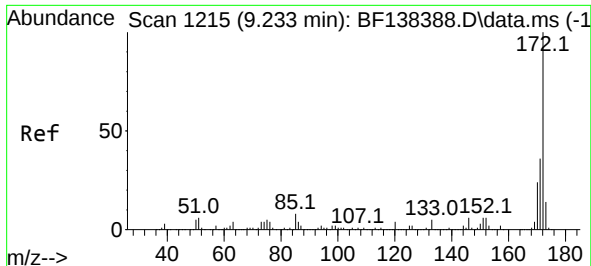
Ion Ratio Lower Upper

330 100

332 95.5 77.0 115.6

141 35.7 28.1 42.1





#45

2-Fluorobiphenyl

Concen: 51.605 ng

RT: 9.228 min Scan# 1

Delta R.T. -0.005 min

Lab File: BF138409.D

Acq: 01 Jul 2024 18:06

Instrument :

BNA_F

ClientSampleId :

7-B-1

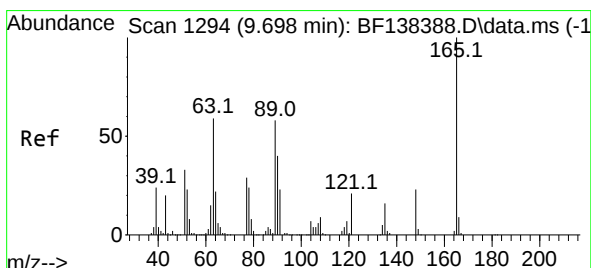
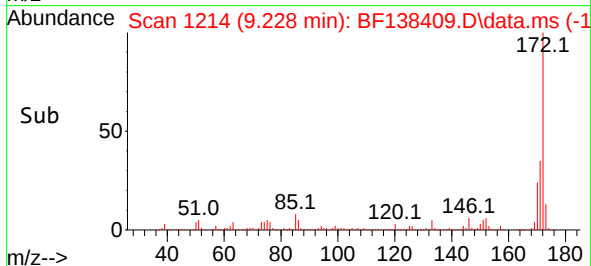
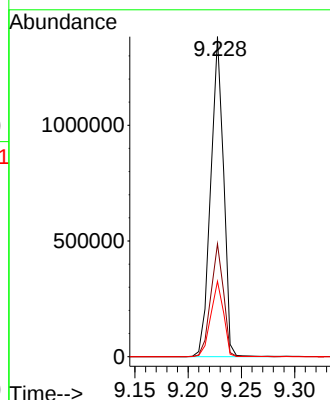
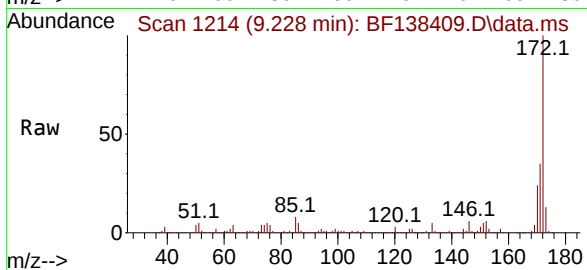
Tgt Ion:172 Resp: 1160364

Ion Ratio Lower Upper

172 100

171 35.2 29.0 43.4

170 23.6 19.0 28.6



#51

2,6-Dinitrotoluene

Concen: 9.139 ng

RT: 9.904 min Scan# 1329

Delta R.T. 0.206 min

Lab File: BF138409.D

Acq: 01 Jul 2024 18:06

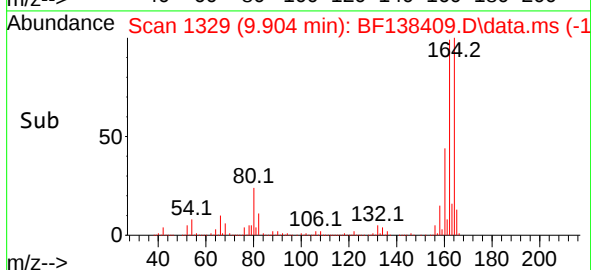
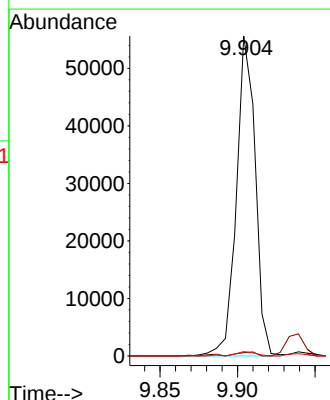
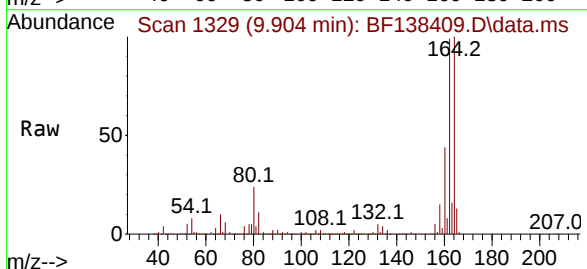
Tgt Ion:165 Resp: 47071

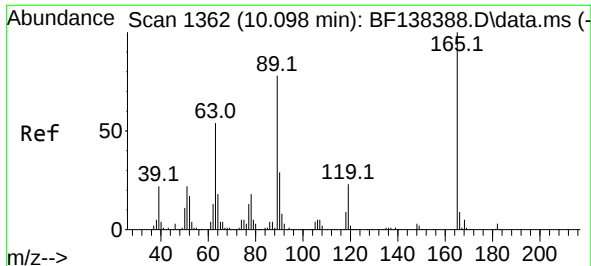
Ion Ratio Lower Upper

165 100

63 1.0 53.8 80.8#

89 1.4 46.4 69.6#

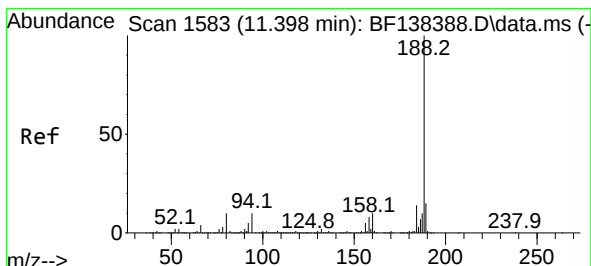
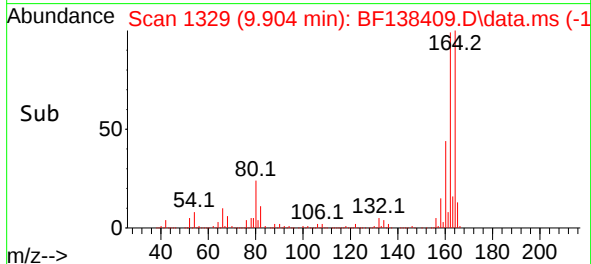
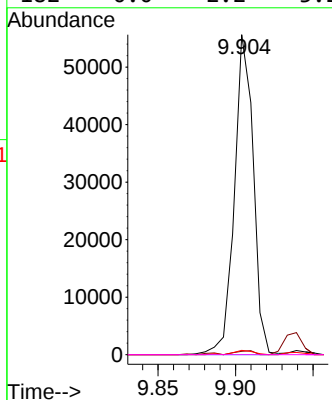
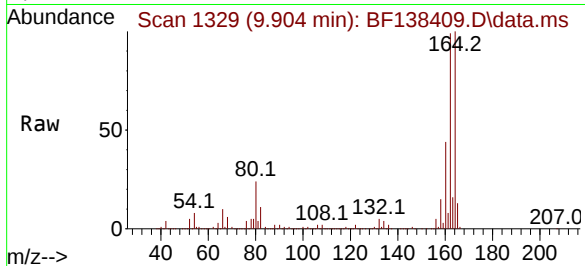




#57
2,4-Dinitrotoluene
Concen: 7.422 ng
RT: 9.904 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF138409.D
Acq: 01 Jul 2024 18:06

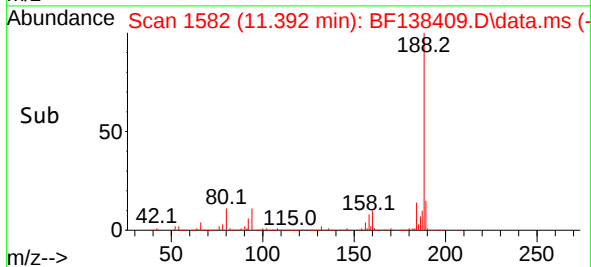
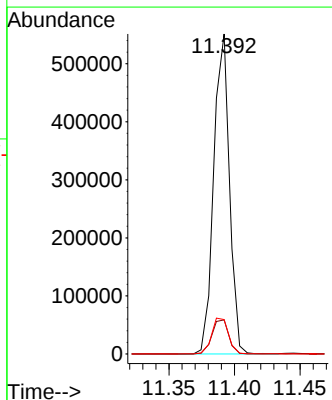
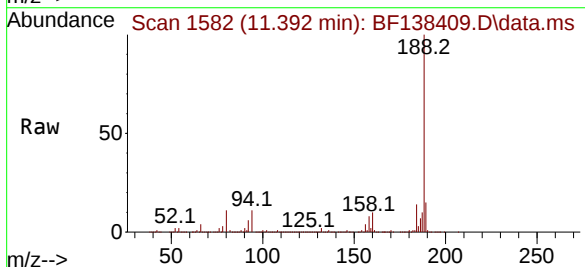
Instrument :
BNA_F
ClientSampleId :
7-B-1

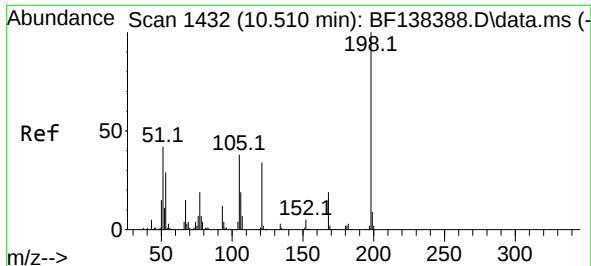
Tgt Ion:165 Resp: 47071
Ion Ratio Lower Upper
165 100
63 1.0 43.4 65.2#
89 1.4 62.6 93.8#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF138409.D
Acq: 01 Jul 2024 18:06

Tgt Ion:188 Resp: 458720
Ion Ratio Lower Upper
188 100
94 10.6 8.0 12.0
80 10.7 8.2 12.4

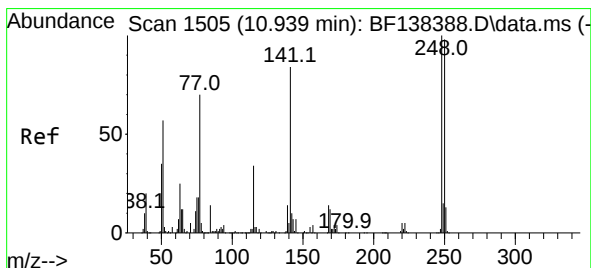
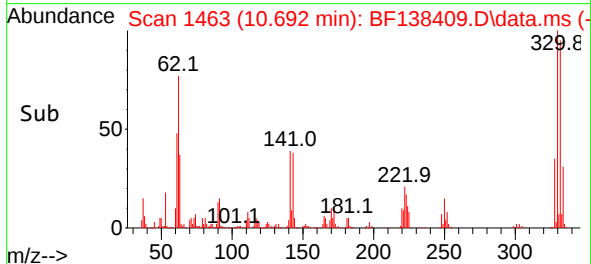
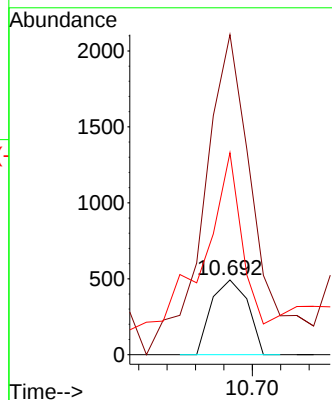
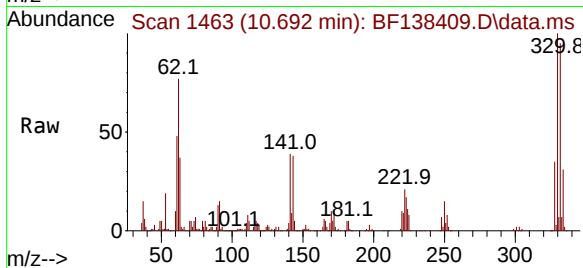




#65
4,6-Dinitro-2-methylphenol
Concen: 5.957 ng
RT: 10.692 min Scan# 1463
Delta R.T. 0.182 min
Lab File: BF138409.D
Acq: 01 Jul 2024 18:06

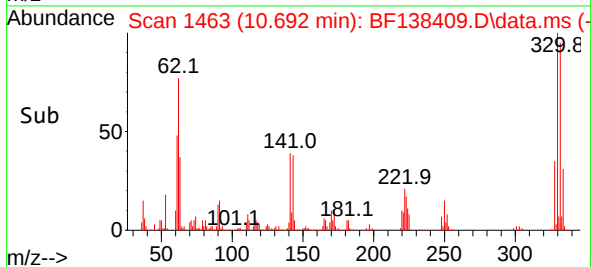
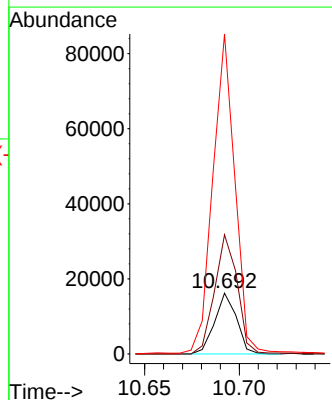
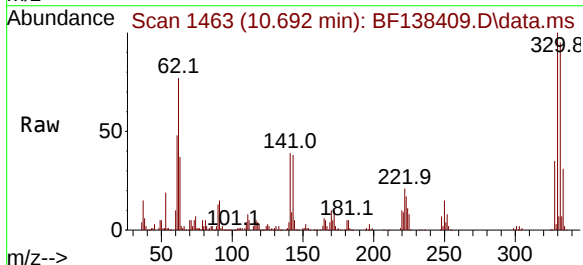
Instrument :
BNA_F
ClientSampleId :
7-B-1

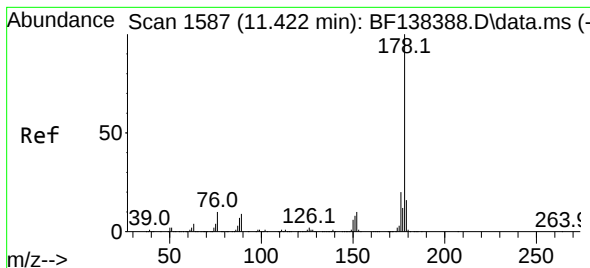
Tgt Ion:198 Resp: 439
Ion Ratio Lower Upper
198 100
51 428.3 27.9 67.9#
105 270.3 18.2 58.2#



#67
4-Bromophenyl-phenylether
Concen: 2.640 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.247 min
Lab File: BF138409.D
Acq: 01 Jul 2024 18:06

Tgt Ion:248 Resp: 13016
Ion Ratio Lower Upper
248 100
250 196.1 78.2 117.4#
141 526.6 67.6 101.4#





#71

Phenanthrene

Concen: 18.777 ng

RT: 11.416 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF138409.D

Acq: 01 Jul 2024 18:06

Instrument :

BNA_F

ClientSampleId :

7-B-1

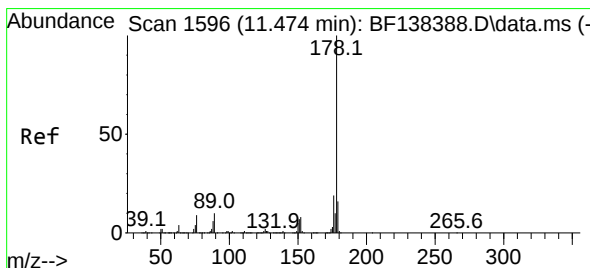
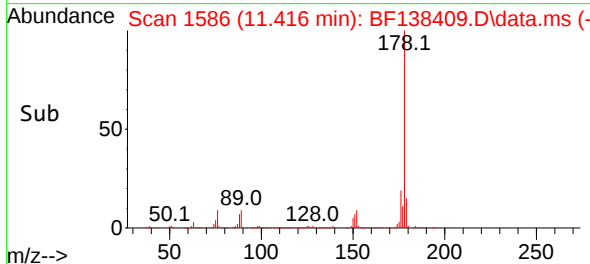
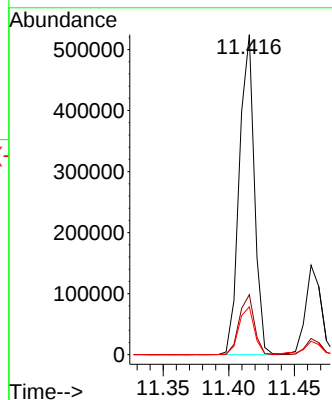
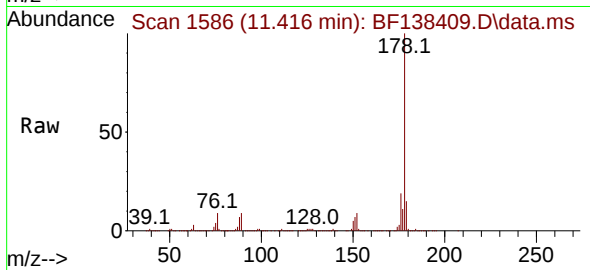
Tgt Ion:178 Resp: 420553

Ion Ratio Lower Upper

178 100

176 18.7 16.1 24.1

179 14.9 12.6 18.8



#72

Anthracene

Concen: 5.273 ng

RT: 11.463 min Scan# 1594

Delta R.T. -0.011 min

Lab File: BF138409.D

Acq: 01 Jul 2024 18:06

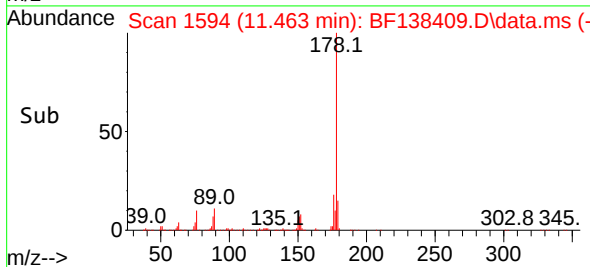
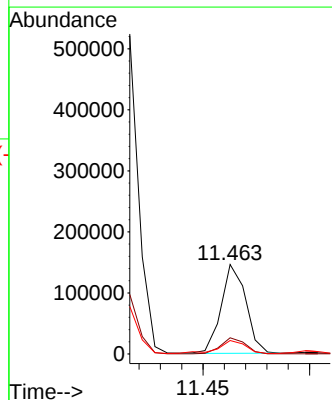
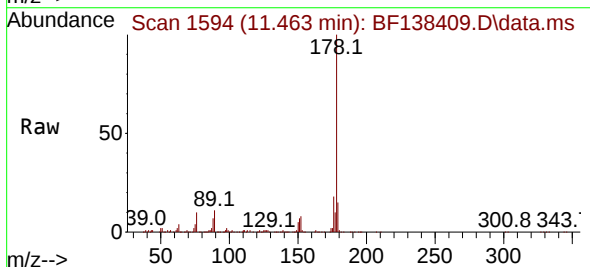
Tgt Ion:178 Resp: 117784

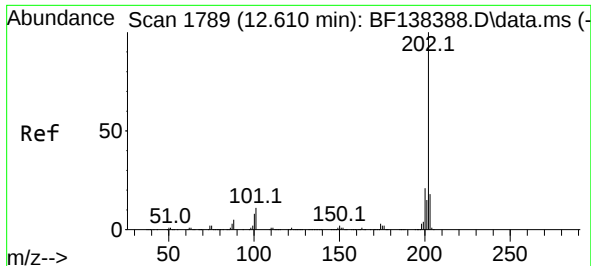
Ion Ratio Lower Upper

178 100

176 18.1 15.0 22.6

179 15.0 12.7 19.1

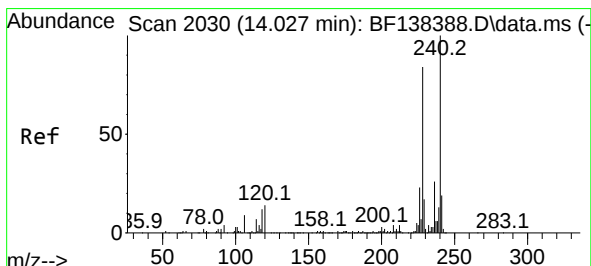
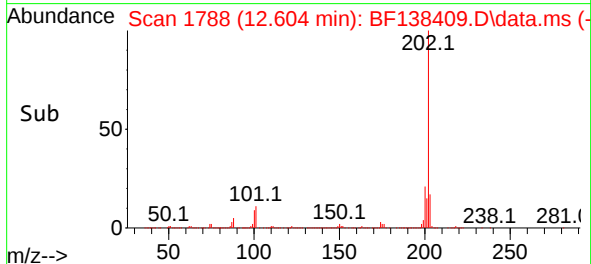
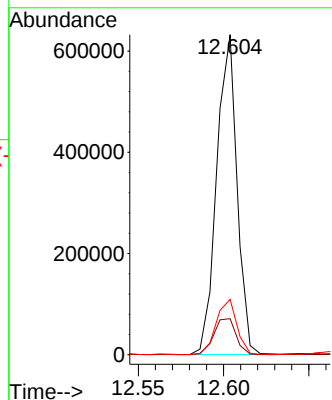
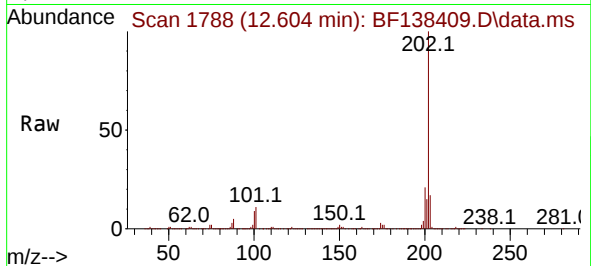




#75
Fluoranthene
Concen: 26.174 ng
RT: 12.604 min Scan# 1788
Delta R.T. -0.006 min
Lab File: BF138409.D
Acq: 01 Jul 2024 18:06

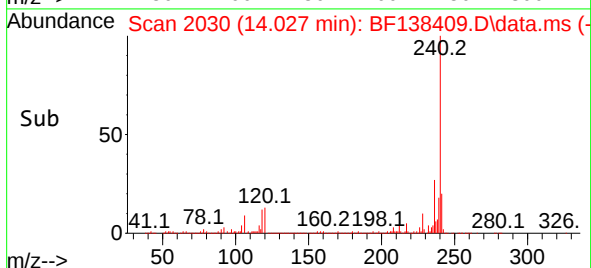
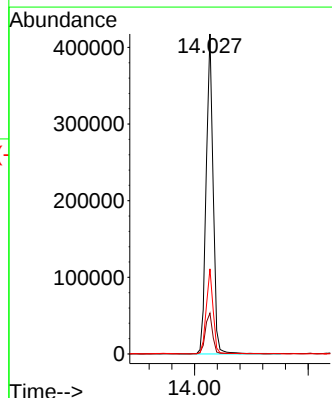
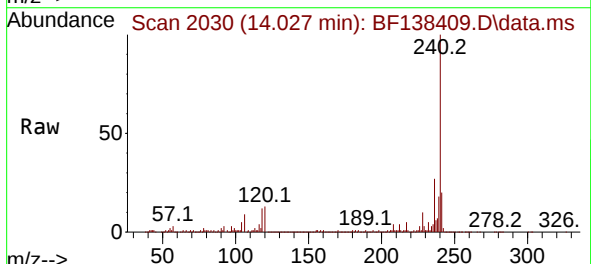
Instrument :
BNA_F
ClientSampleId :
7-B-1

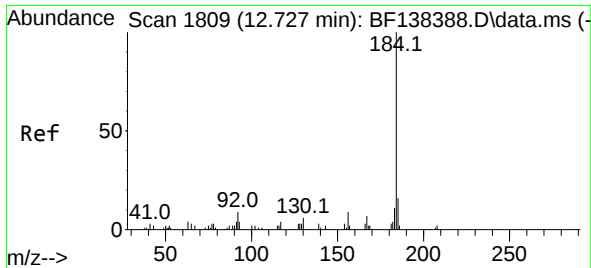
Tgt Ion:202 Resp: 525548
Ion Ratio Lower Upper
202 100
101 11.2 0.0 30.5
203 17.3 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BF138409.D
Acq: 01 Jul 2024 18:06

Tgt Ion:240 Resp: 354982
Ion Ratio Lower Upper
240 100
120 12.7 10.9 16.3
236 26.6 20.6 30.8

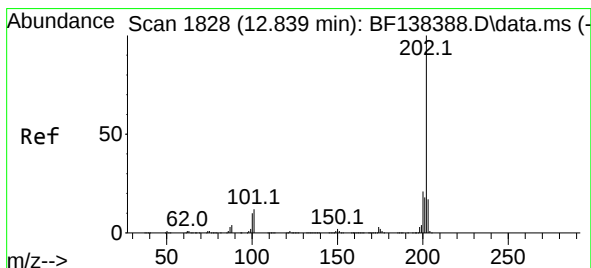
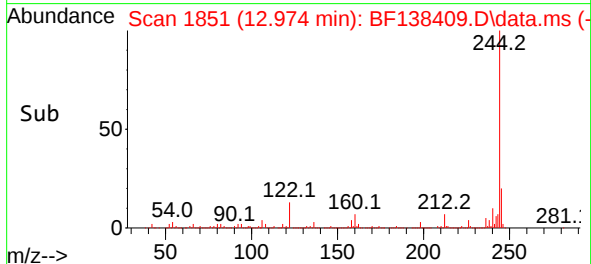
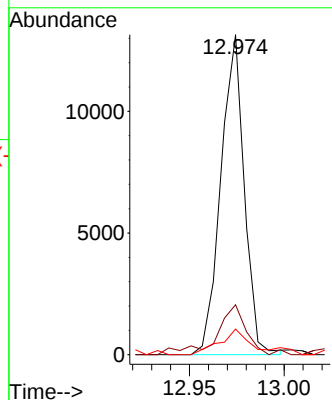
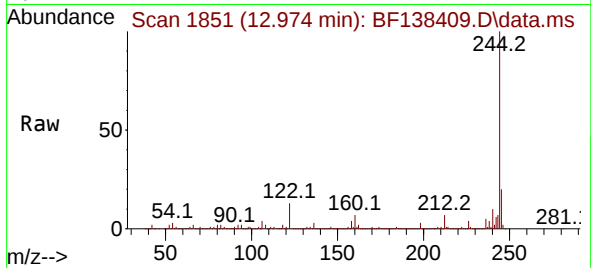




#77
Benzidine
Concen: 3.984 ng
RT: 12.974 min Scan# 1851
Delta R.T. 0.247 min
Lab File: BF138409.D
Acq: 01 Jul 2024 18:06

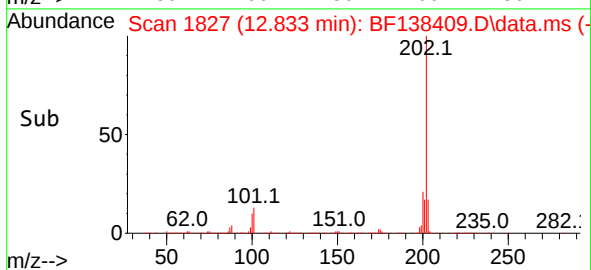
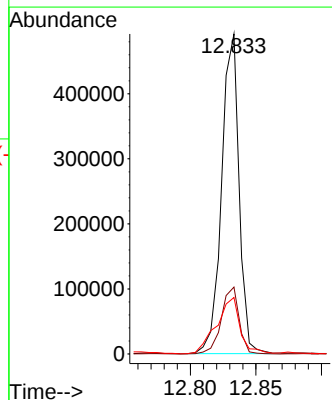
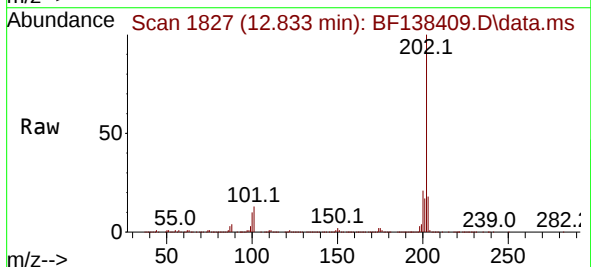
Instrument :
BNA_F
ClientSampleId :
7-B-1

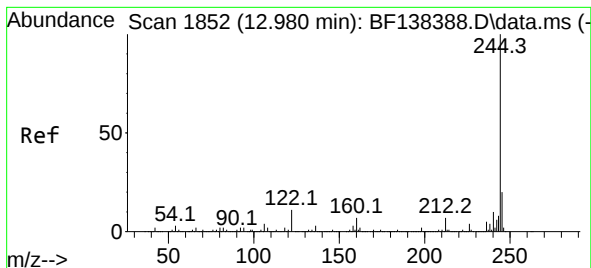
Tgt Ion:184 Resp: 11310
Ion Ratio Lower Upper
184 100
185 15.6 13.0 19.4
183 8.0 9.0 13.6#



#78
Pyrene
Concen: 11.970 ng
RT: 12.833 min Scan# 1827
Delta R.T. -0.006 min
Lab File: BF138409.D
Acq: 01 Jul 2024 18:06

Tgt Ion:202 Resp: 454150
Ion Ratio Lower Upper
202 100
200 20.9 16.9 25.3
203 17.7 13.8 20.8





#79

Terphenyl-d14

Concen: 31.944 ng

RT: 12.974 min Scan# 1851

Delta R.T. -0.006 min

Lab File: BF138409.D

Acq: 01 Jul 2024 18:06

Instrument :

BNA_F

ClientSampleId :

7-B-1

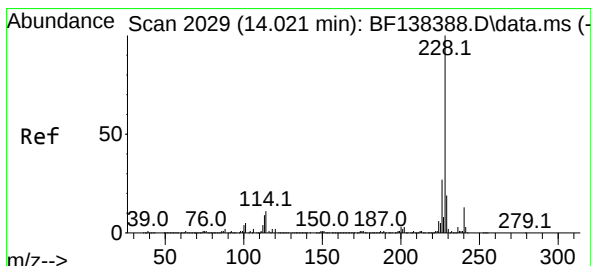
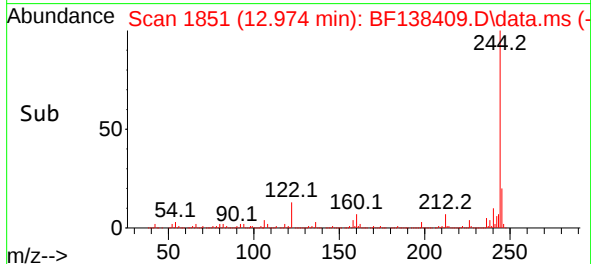
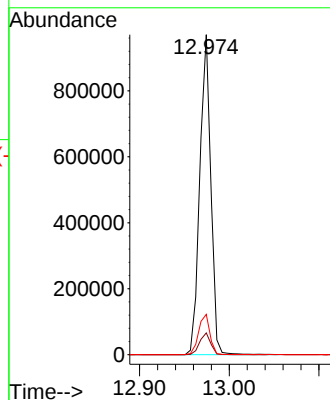
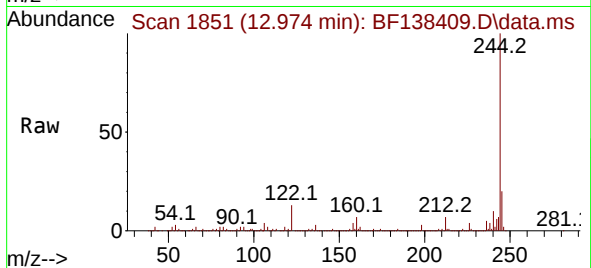
Tgt Ion:244 Resp: 827445

Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

122 12.6 9.0 13.4



#81

Benzo(a)anthracene

Concen: 10.242 ng

RT: 14.015 min Scan# 2028

Delta R.T. -0.006 min

Lab File: BF138409.D

Acq: 01 Jul 2024 18:06

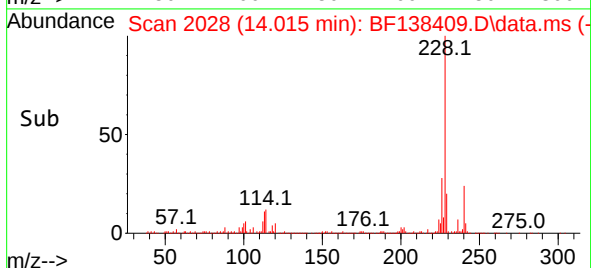
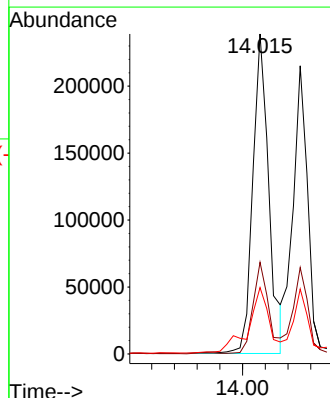
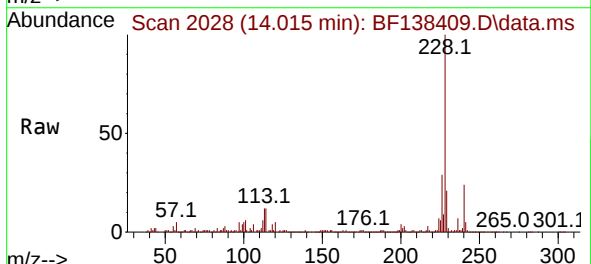
Tgt Ion:228 Resp: 234004

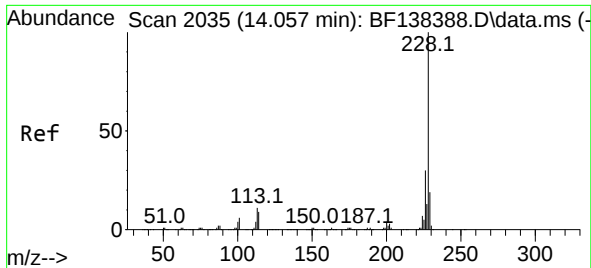
Ion Ratio Lower Upper

228 100

226 28.7 21.7 32.5

229 20.8 15.5 23.3

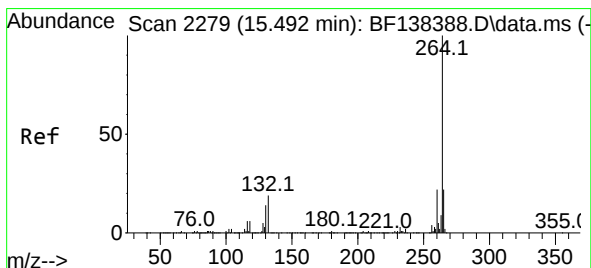
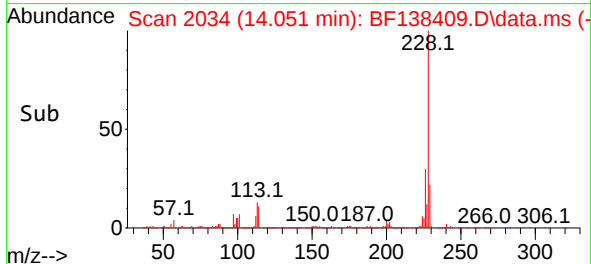
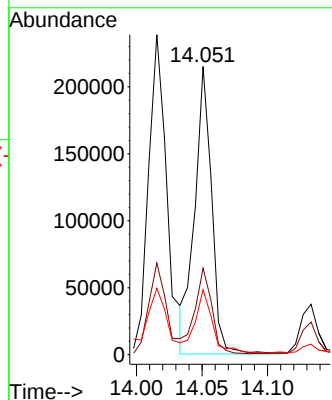
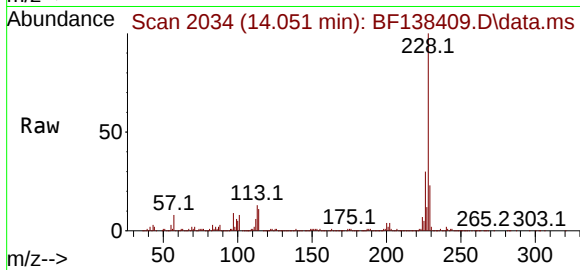




#83
Chrysene
Concen: 8.712 ng
RT: 14.051 min Scan# 2035
Delta R.T. -0.006 min
Lab File: BF138409.D
Acq: 01 Jul 2024 18:06

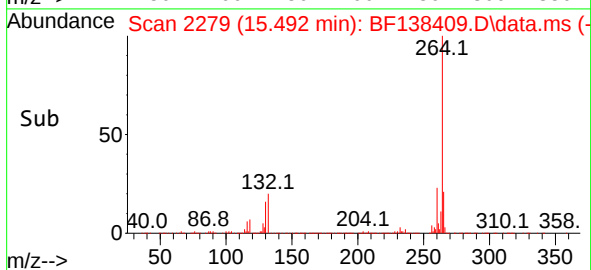
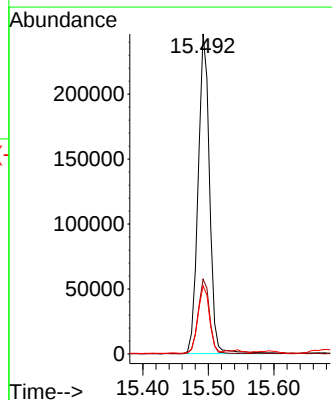
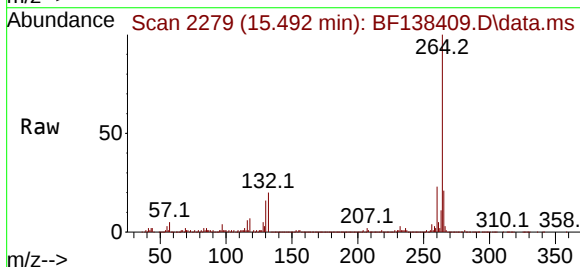
Instrument :
BNA_F
ClientSampleId :
7-B-1

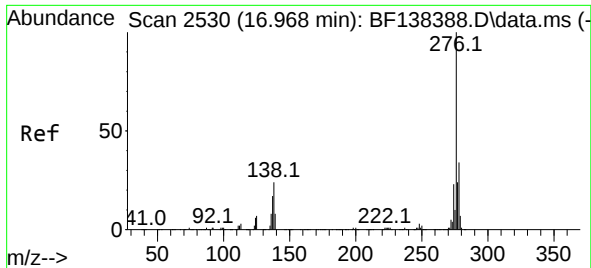
Tgt Ion:228 Resp: 193683
Ion Ratio Lower Upper
228 100
226 30.0 23.8 35.6
229 22.5 15.2 22.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.492 min Scan# 2279
Delta R.T. -0.000 min
Lab File: BF138409.D
Acq: 01 Jul 2024 18:06

Tgt Ion:264 Resp: 298699
Ion Ratio Lower Upper
264 100
260 23.4 17.8 26.6
265 21.3 17.5 26.3

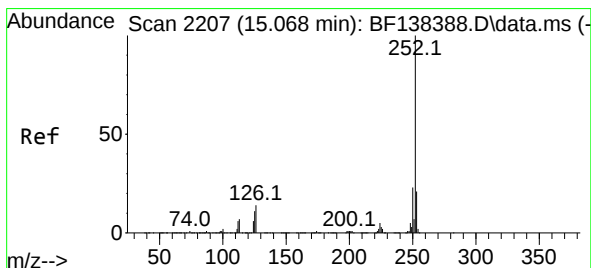
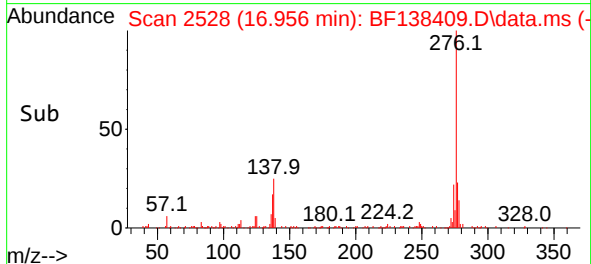
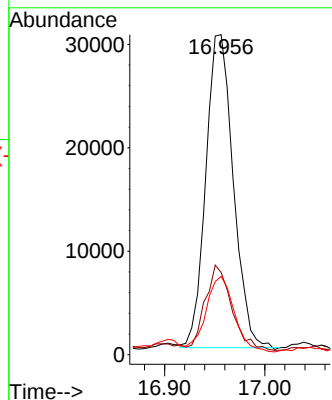
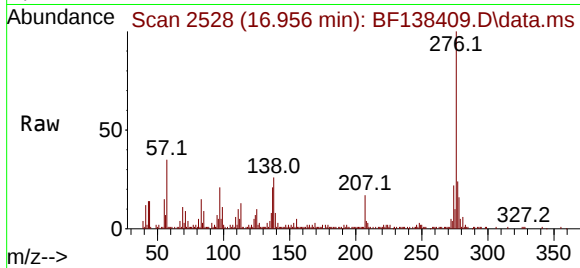




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.834 ng
 RT: 16.956 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF138409.D
 Acq: 01 Jul 2024 18:06

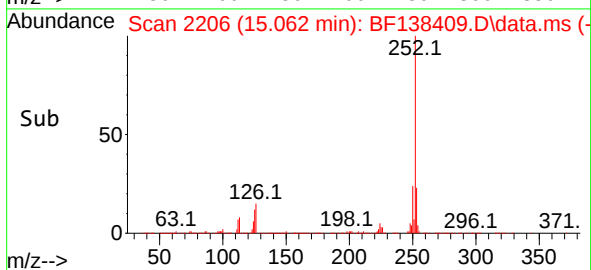
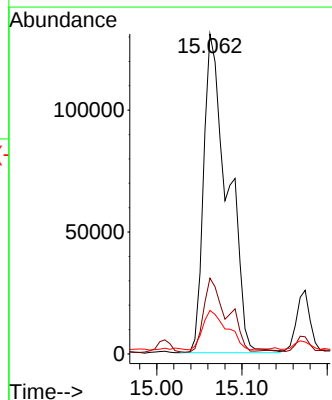
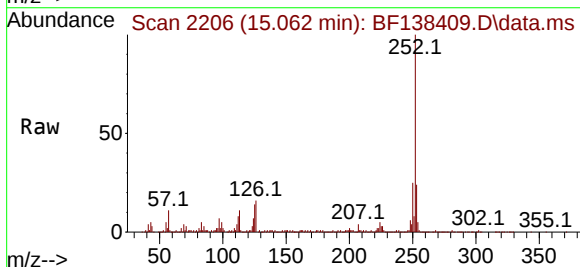
Instrument :
 BNA_F
 ClientSampleId :
 7-B-1

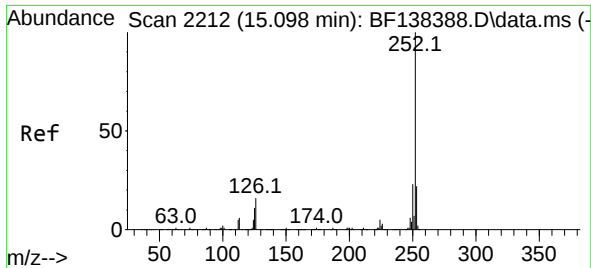
Tgt Ion:276 Resp: 57535
 Ion Ratio Lower Upper
 276 100
 138 28.2 22.1 33.1
 277 24.8 20.4 30.6



#88
 Benzo(b)fluoranthene
 Concen: 15.643 ng
 RT: 15.062 min Scan# 2206
 Delta R.T. -0.006 min
 Lab File: BF138409.D
 Acq: 01 Jul 2024 18:06

Tgt Ion:252 Resp: 256371
 Ion Ratio Lower Upper
 252 100
 253 23.7 17.0 25.4
 125 13.6 8.6 12.8#

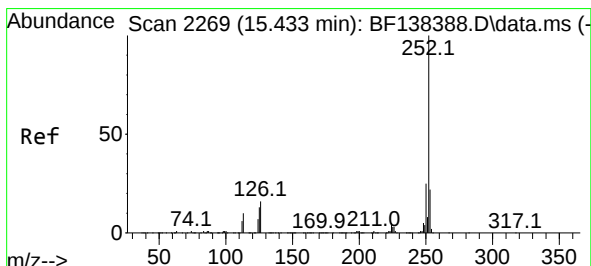
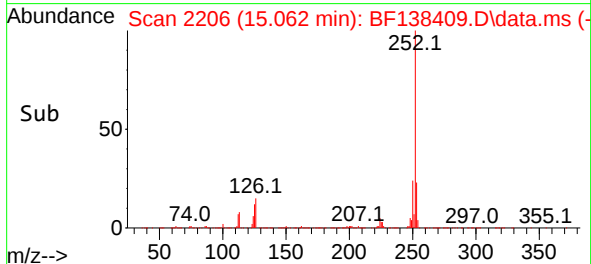
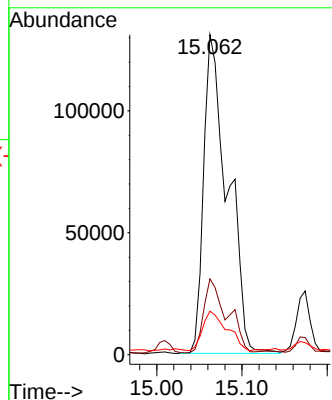
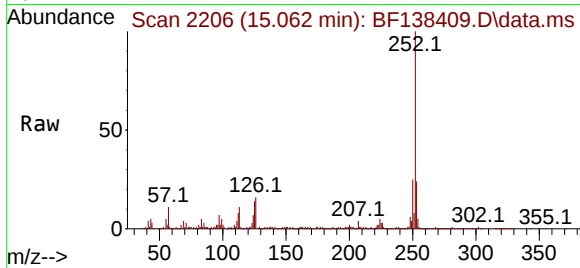




#89
Benzo(k)fluoranthene
Concen: 16.984 ng
RT: 15.062 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF138409.D
Acq: 01 Jul 2024 18:06

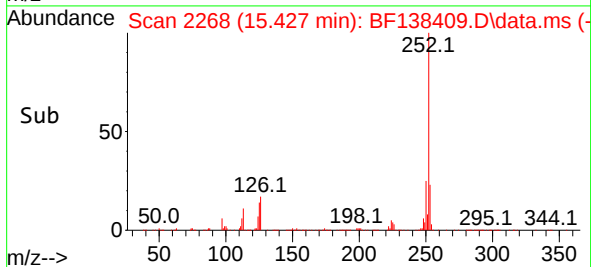
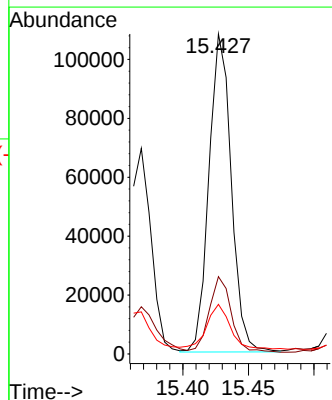
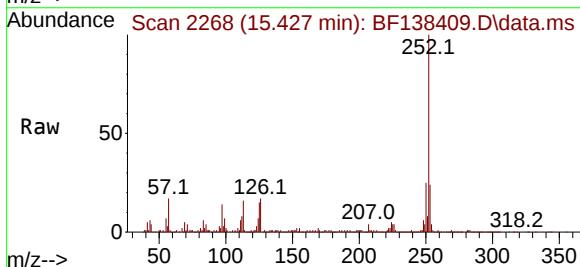
Instrument :
BNA_F
ClientSampleId :
7-B-1

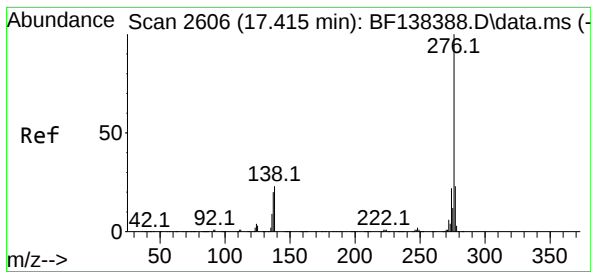
Tgt Ion:252 Resp: 256371
Ion Ratio Lower Upper
252 100
253 23.7 17.4 26.2
125 13.6 8.7 13.1#



#90
Benzo(a)pyrene
Concen: 8.904 ng
RT: 15.427 min Scan# 2268
Delta R.T. -0.006 min
Lab File: BF138409.D
Acq: 01 Jul 2024 18:06

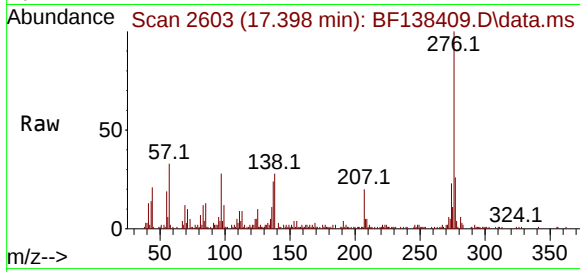
Tgt Ion:252 Resp: 127907
Ion Ratio Lower Upper
252 100
253 24.2 17.6 26.4
125 15.5 10.2 15.2#





#92
Benzo(g,h,i)perylene
Concen: 4.665 ng
RT: 17.398 min Scan# 20
Delta R.T. -0.018 min
Lab File: BF138409.D
Acq: 01 Jul 2024 18:06

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.5	18.3	27.5
138	28.1	18.3	27.5#

