

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070124\
 Data File : BF138410.D
 Acq On : 01 Jul 2024 18:36
 Operator : CG\JU
 Sample : P3077-07
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1-S-1

Quant Time: Jul 02 01:15:19 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

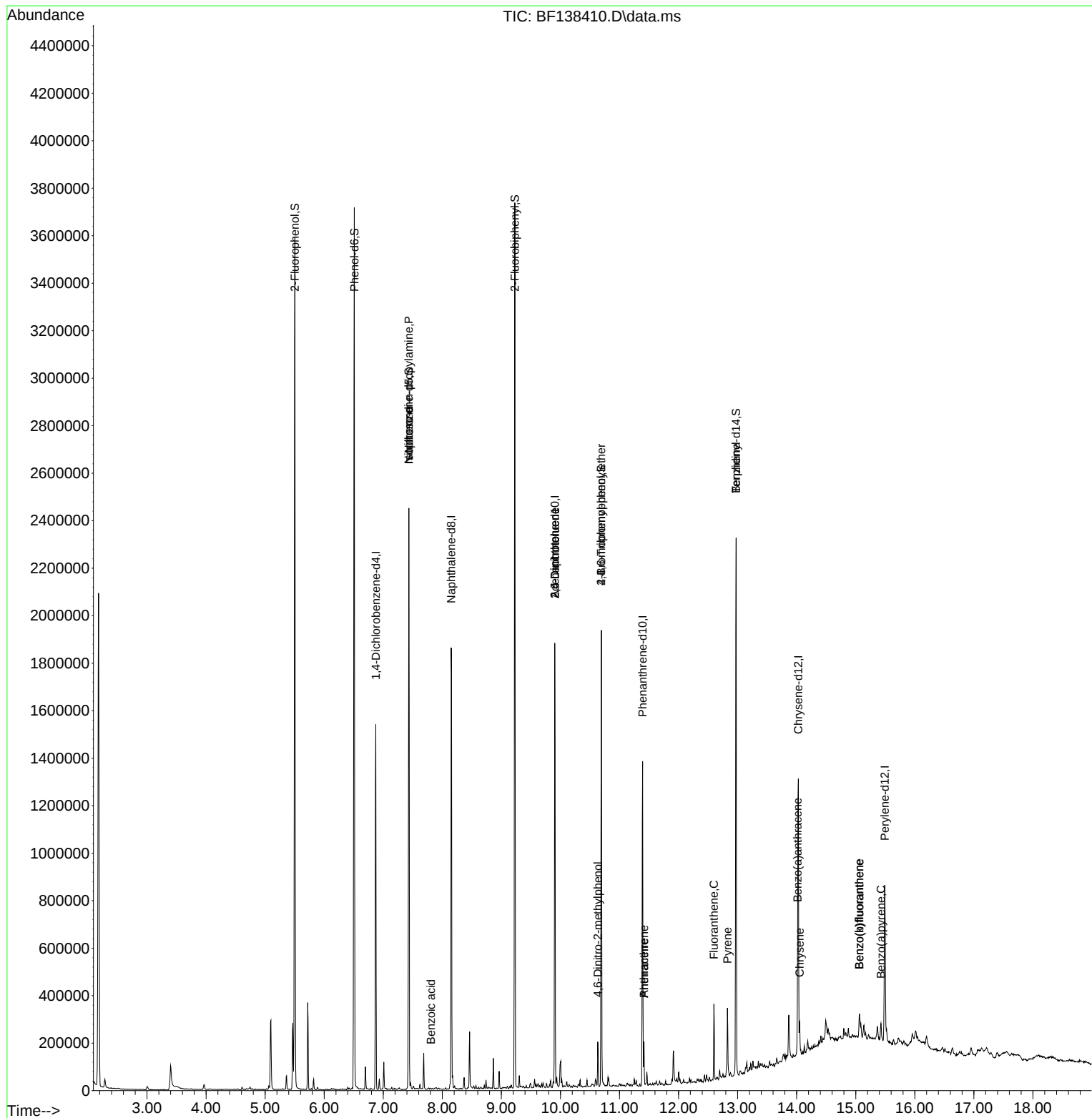
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	200972	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	773826	20.000	ng	# 0.00
39) Acenaphthene-d10	9.904	164	354402	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	459742	20.000	ng	0.00
76) Chrysene-d12	14.027	240	362967	20.000	ng	0.00
86) Perylene-d12	15.492	264	298110	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	871901	71.929	ng	0.00
7) Phenol-d6	6.510	99	1136236	69.583	ng	0.00
23) Nitrobenzene-d5	7.434	82	710057	47.667	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	173331	59.862	ng	-0.01
45) 2-Fluorobiphenyl	9.228	172	991591	44.528	ng	0.00
79) Terphenyl-d14	12.974	244	724209	27.343	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.434	70	94662	9.196	ng	# 77
25) Isophorone	7.434	82	710168	25.855	ng	# 67
32) Benzoic acid	7.810	122	56	4.106	ng	# 55
51) 2,6-Dinitrotoluene	9.904	165	47329	9.278	ng	# 20
57) 2,4-Dinitrotoluene	9.904	165	47329	7.535	ng	# 19
65) 4,6-Dinitro-2-methylph...	10.633	198	262	5.893	ng	# 1
67) 4-Bromophenyl-phenylether	10.692	248	11400	2.307	ng	# 1
71) Phenanthrene	11.416	178	66120	2.946	ng	97
72) Anthracene	11.416	178	66120	2.954	ng	98
75) Fluoranthene	12.598	202	114022	5.666	ng	96
77) Benzidine	12.974	184	9898	3.410	ng	# 94
78) Pyrene	12.827	202	108669	2.801	ng	99
81) Benzo(a)anthracene	14.016	228	54900	2.350	ng	95
83) Chrysene	14.051	228	56604	2.490	ng	96
88) Benzo(b)fluoranthene	15.063	252	71380	4.364	ng	# 90
89) Benzo(k)fluoranthene	15.063	252	71380	4.738	ng	# 91
90) Benzo(a)pyrene	15.427	252	35894	2.504	ng	# 94

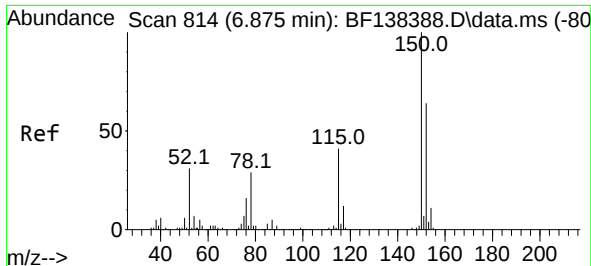
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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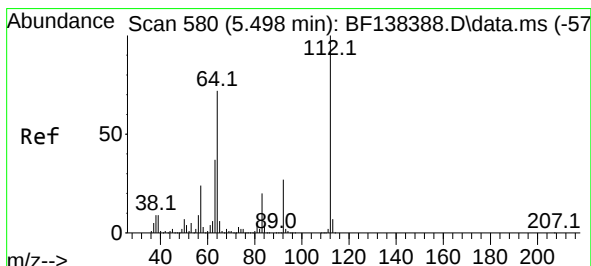
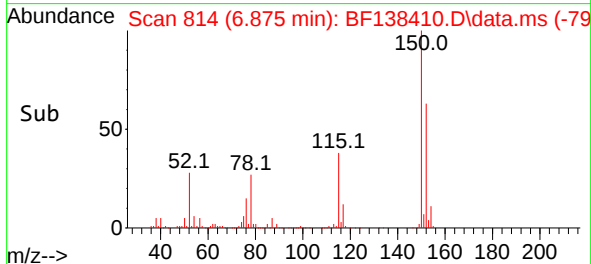
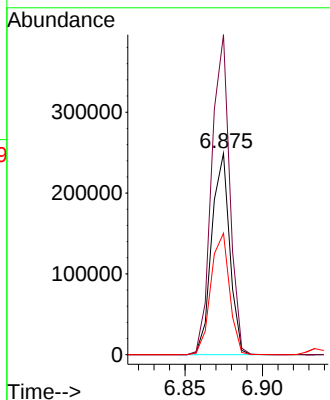
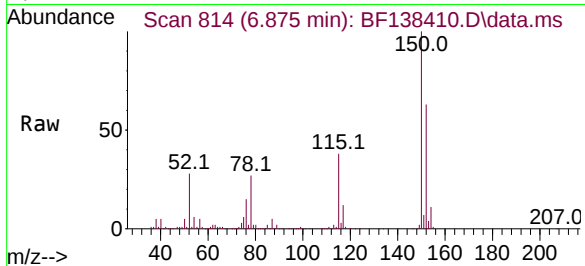




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF138410.D
Acq: 01 Jul 2024 18:36

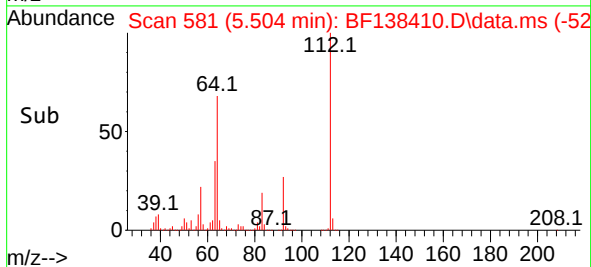
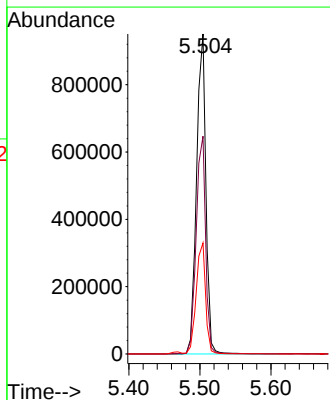
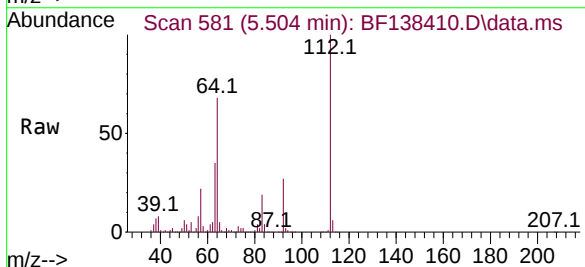
Instrument :
BNA_F
ClientSampleId :
1-S-1

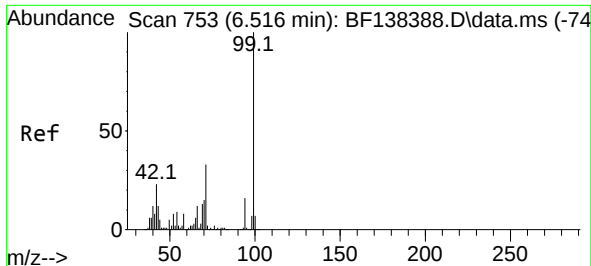
Tgt Ion:152 Resp: 200972
Ion Ratio Lower Upper
152 100
150 158.9 124.9 187.3
115 60.3 50.8 76.2



#5
2-Fluorophenol
Concen: 71.929 ng
RT: 5.504 min Scan# 581
Delta R.T. 0.006 min
Lab File: BF138410.D
Acq: 01 Jul 2024 18:36

Tgt Ion:112 Resp: 871901
Ion Ratio Lower Upper
112 100
64 68.0 57.2 85.8
63 34.7 29.4 44.0

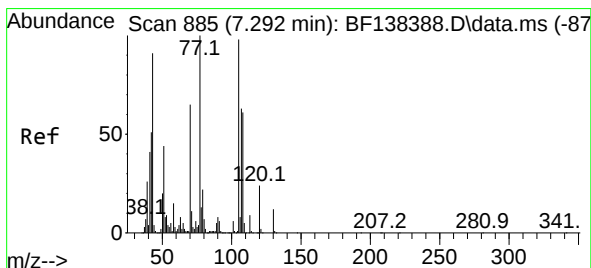
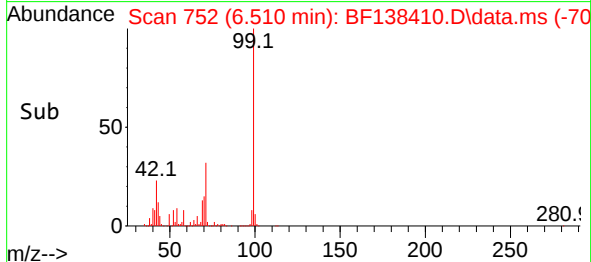
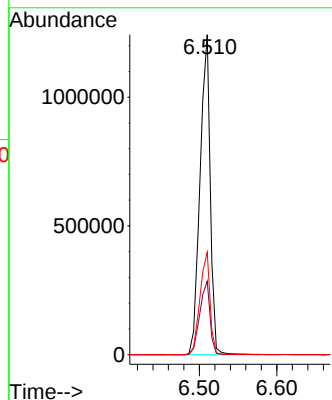
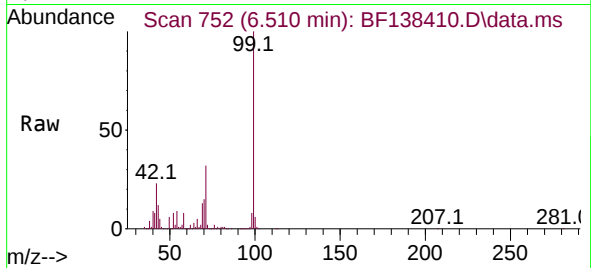




#7
Phenol-d6
Concen: 69.583 ng
RT: 6.510 min Scan# 710
Delta R.T. -0.006 min
Lab File: BF138410.D
Acq: 01 Jul 2024 18:36

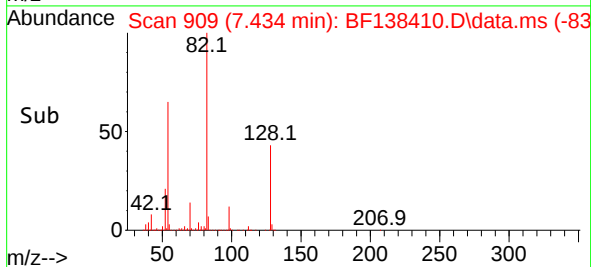
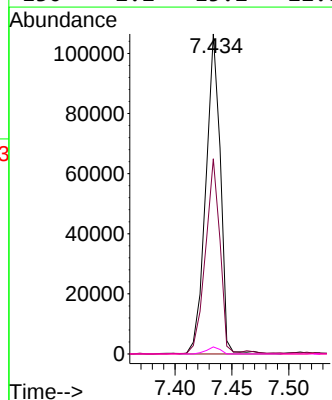
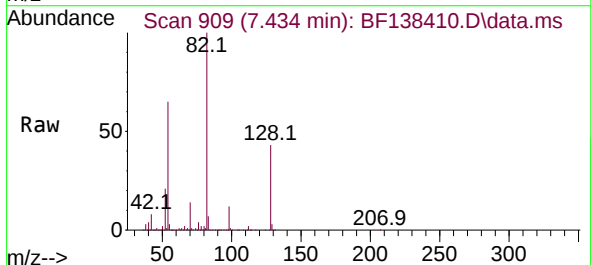
Instrument :
BNA_F
ClientSampleId :
1-S-1

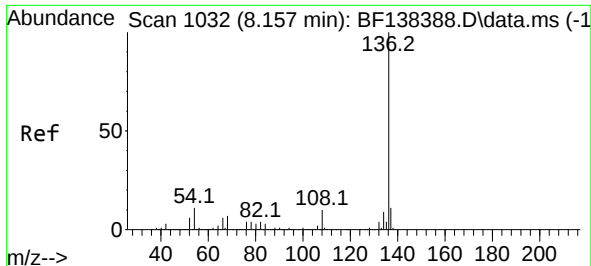
Tgt Ion: 99 Resp: 1136236
Ion Ratio Lower Upper
99 100
42 23.0 18.5 27.7
71 32.0 26.1 39.1



#19
n-Nitroso-di-n-propylamine
Concen: 9.196 ng
RT: 7.434 min Scan# 909
Delta R.T. 0.141 min
Lab File: BF138410.D
Acq: 01 Jul 2024 18:36

Tgt Ion: 70 Resp: 94662
Ion Ratio Lower Upper
70 100
42 61.0 62.5 93.7#
101 0.0 7.0 10.4#
130 2.2 15.2 22.8#

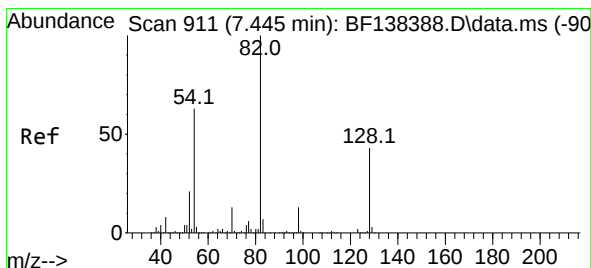
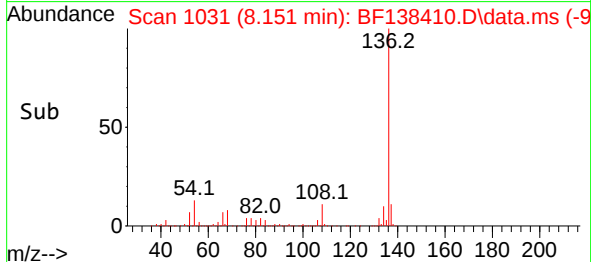
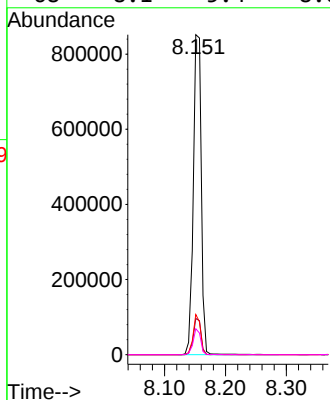
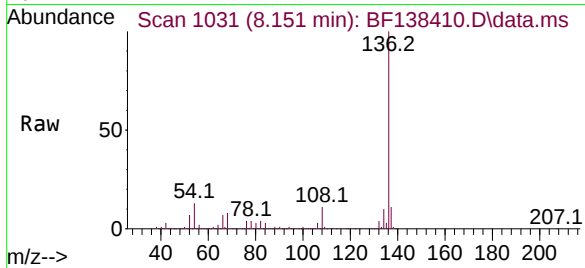




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF138410.D
Acq: 01 Jul 2024 18:36

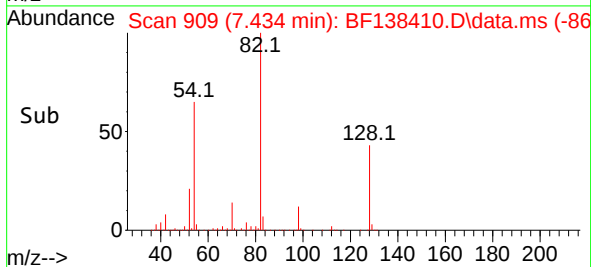
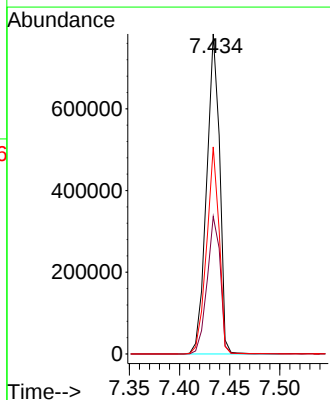
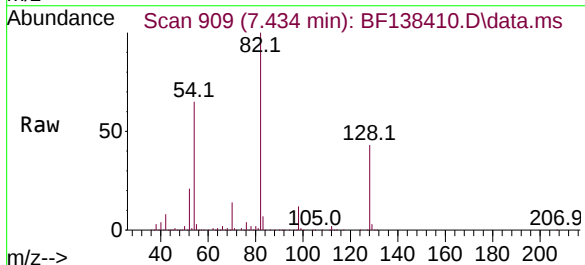
Instrument :
BNA_F
ClientSampleId :
1-S-1

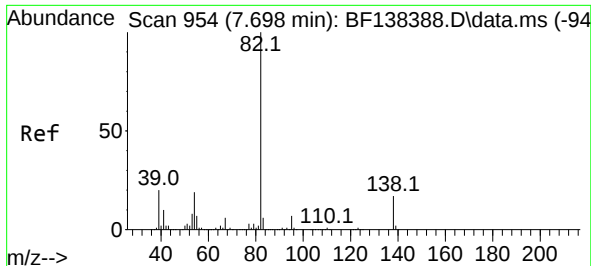
Tgt Ion:136 Resp: 773826
Ion Ratio Lower Upper
136 100
137 11.3 8.8 13.2
54 12.6 9.0 13.4
68 8.1 5.4 8.0#



#23
Nitrobenzene-d5
Concen: 47.667 ng
RT: 7.434 min Scan# 909
Delta R.T. -0.012 min
Lab File: BF138410.D
Acq: 01 Jul 2024 18:36

Tgt Ion: 82 Resp: 710057
Ion Ratio Lower Upper
82 100
128 42.9 34.6 52.0
54 64.7 50.5 75.7

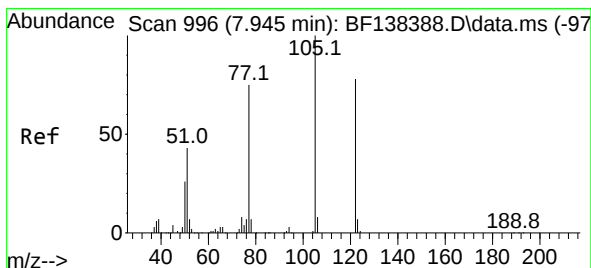
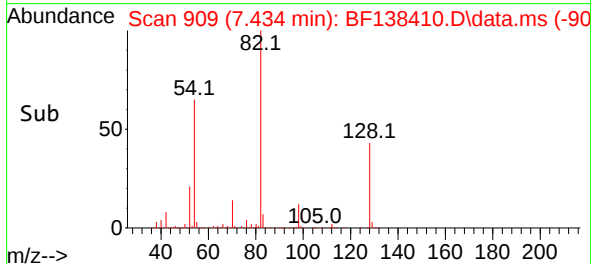
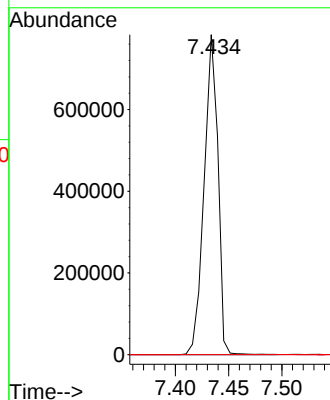
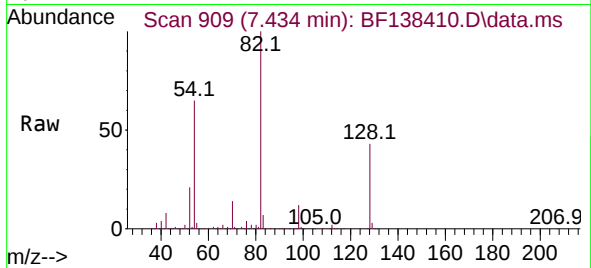




#25
Isophorone
Concen: 25.855 ng
RT: 7.434 min Scan# 901
Delta R.T. -0.265 min
Lab File: BF138410.D
Acq: 01 Jul 2024 18:36

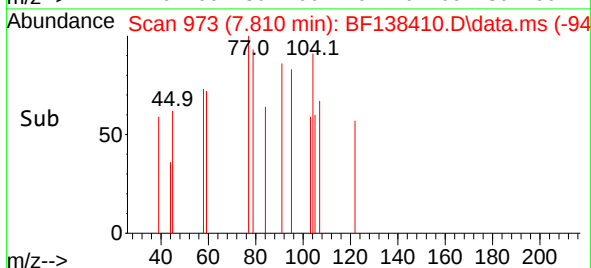
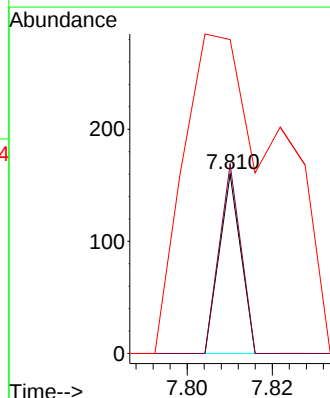
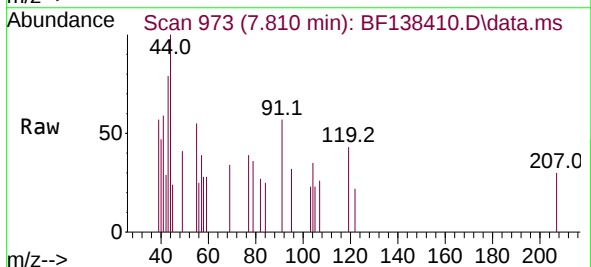
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1-S-1

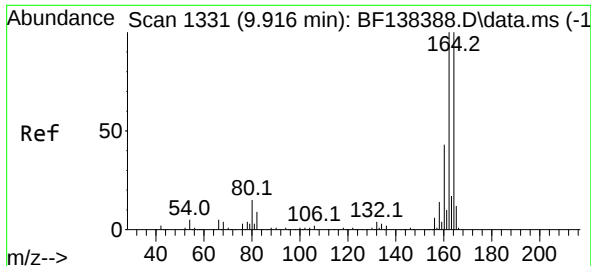
Tgt Ion: 82 Resp: 710168
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.4 20.2#



#32
Benzoic acid
Concen: 4.106 ng
RT: 7.810 min Scan# 973
Delta R.T. -0.135 min
Lab File: BF138410.D
Acq: 01 Jul 2024 18:36

Tgt Ion:122 Resp: 56
Ion Ratio Lower Upper
122 100
105 105.6 103.8 143.8
77 175.0 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: BF138410.D

Acq: 01 Jul 2024 18:36

Instrument :

BNA_F

ClientSampleId :

1-S-1

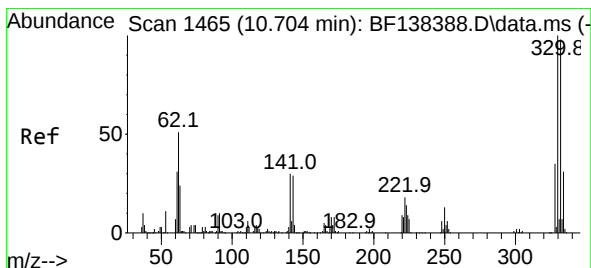
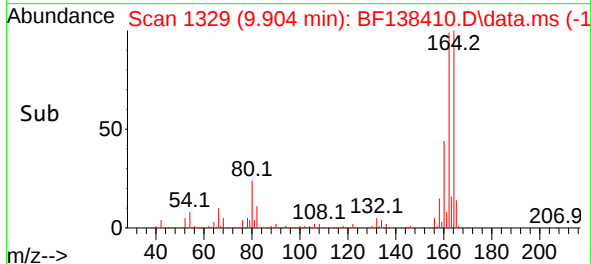
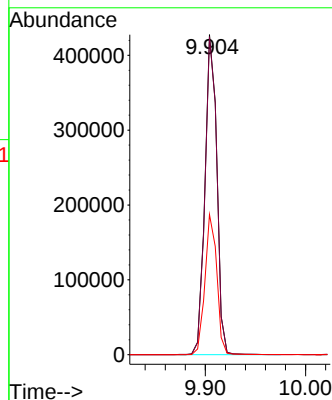
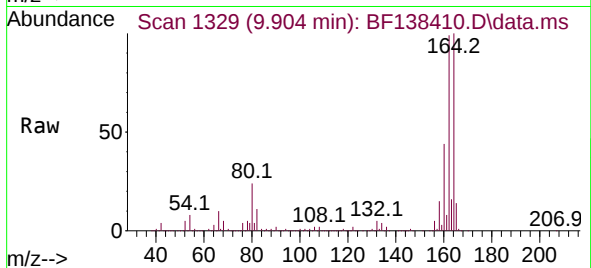
Tgt Ion:164 Resp: 354402

Ion Ratio Lower Upper

164 100

162 99.3 80.1 120.1

160 43.8 34.1 51.1



#42

2,4,6-Tribromophenol

Concen: 59.862 ng

RT: 10.692 min Scan# 1463

Delta R.T. -0.012 min

Lab File: BF138410.D

Acq: 01 Jul 2024 18:36

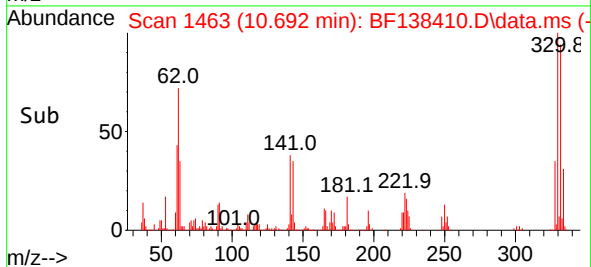
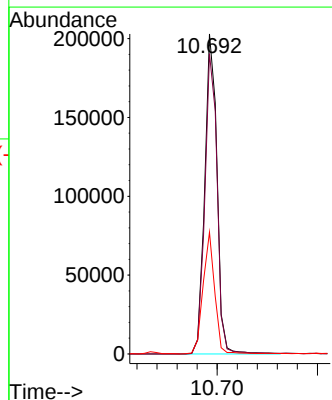
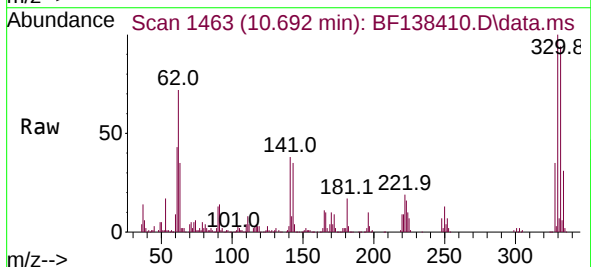
Tgt Ion:330 Resp: 173331

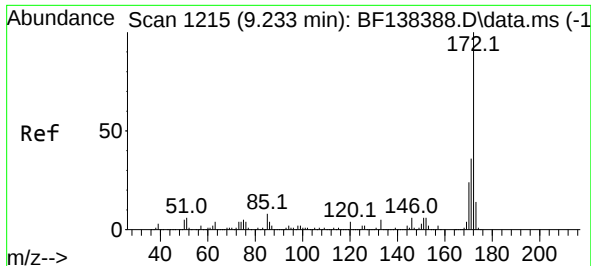
Ion Ratio Lower Upper

330 100

332 94.3 77.0 115.6

141 36.3 28.1 42.1

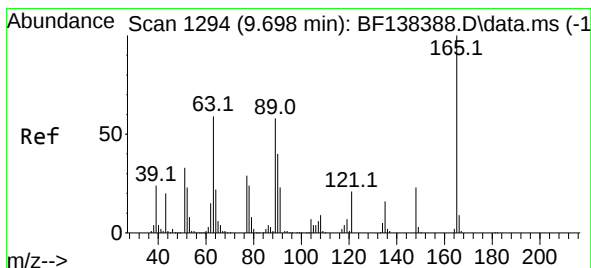
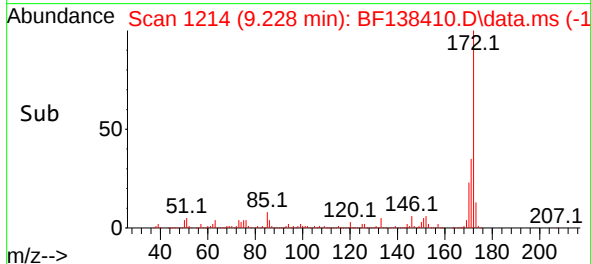
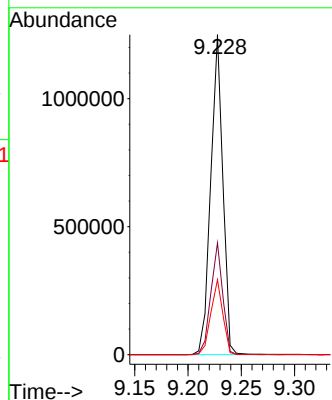
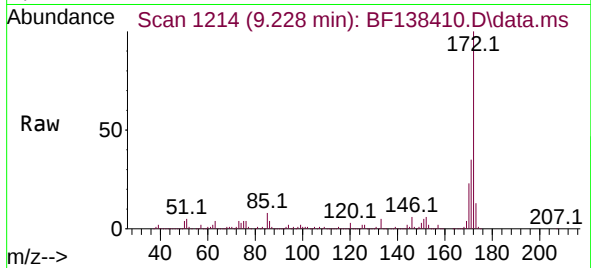




#45
2-Fluorobiphenyl
Concen: 44.528 ng
RT: 9.228 min Scan# 11
Delta R.T. -0.005 min
Lab File: BF138410.D
Acq: 01 Jul 2024 18:36

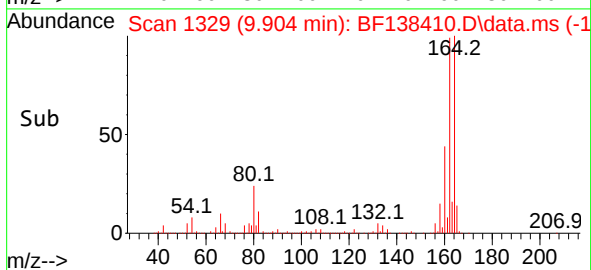
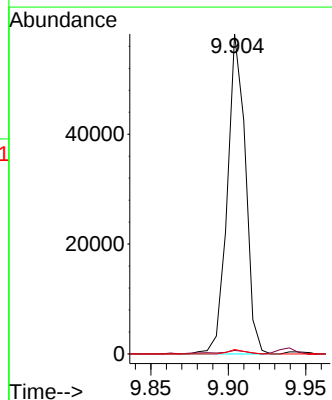
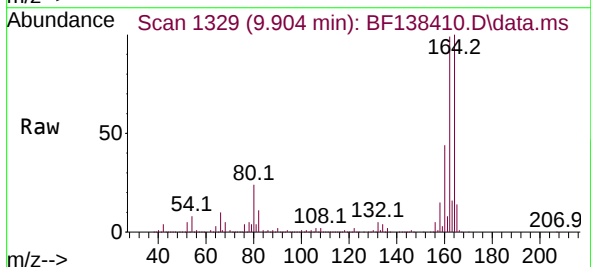
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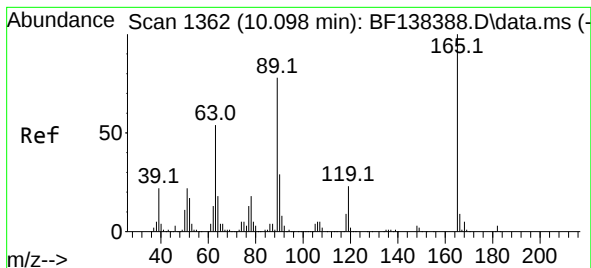
Tgt Ion:172 Resp: 991591
Ion Ratio Lower Upper
172 100
171 34.9 29.0 43.4
170 23.4 19.0 28.6



#51
2,6-Dinitrotoluene
Concen: 9.278 ng
RT: 9.904 min Scan# 1329
Delta R.T. 0.206 min
Lab File: BF138410.D
Acq: 01 Jul 2024 18:36

Tgt Ion:165 Resp: 47329
Ion Ratio Lower Upper
165 100
63 1.1 53.8 80.8#
89 1.4 46.4 69.6#

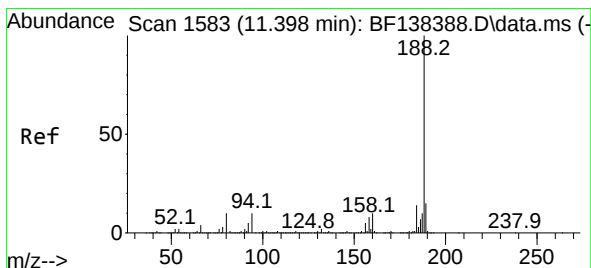
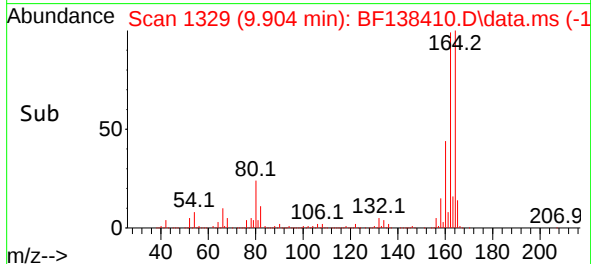
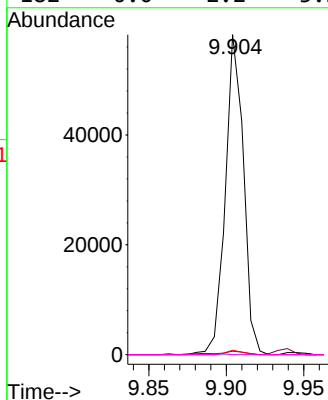
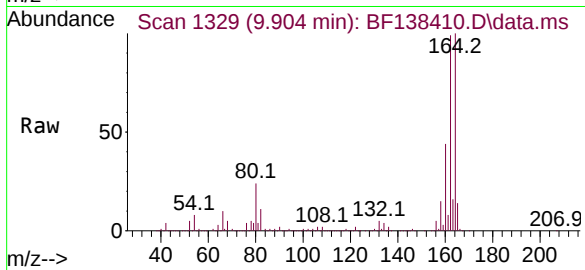




#57
2,4-Dinitrotoluene
Concen: 7.535 ng
RT: 9.904 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF138410.D
Acq: 01 Jul 2024 18:36

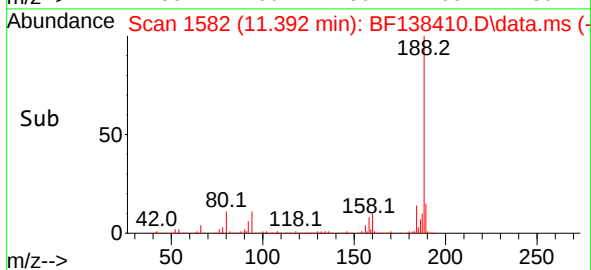
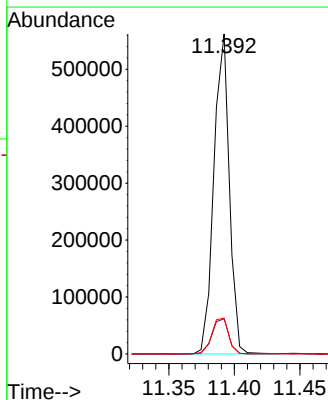
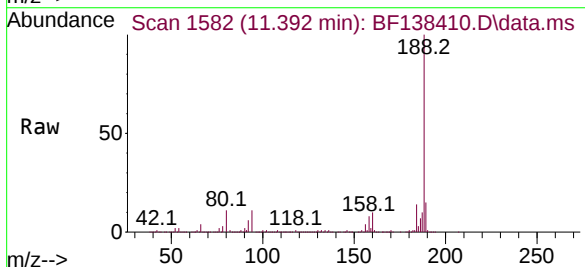
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BNA_F
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1-S-1

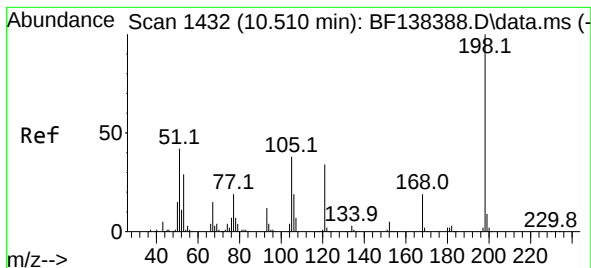
Tgt Ion:165 Resp: 47329
Ion Ratio Lower Upper
165 100
63 1.1 43.4 65.2#
89 1.4 62.6 93.8#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF138410.D
Acq: 01 Jul 2024 18:36

Tgt Ion:188 Resp: 459742
Ion Ratio Lower Upper
188 100
94 11.0 8.0 12.0
80 11.2 8.2 12.4

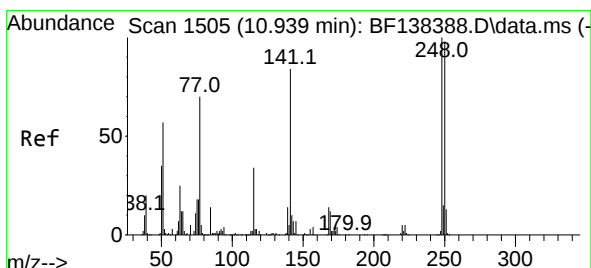
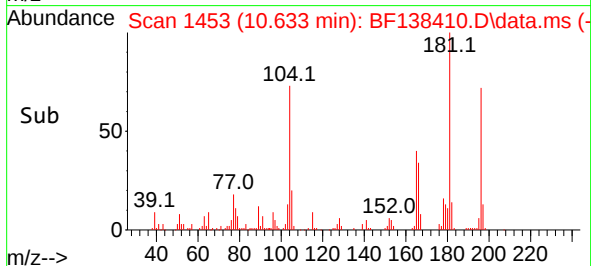
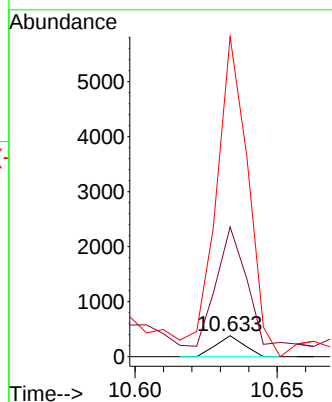
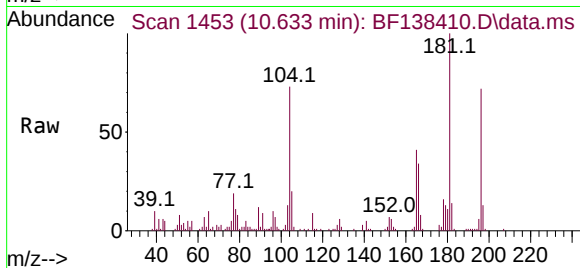




#65
4,6-Dinitro-2-methylphenol
Concen: 5.893 ng
RT: 10.633 min Scan# 1432
Delta R.T. 0.123 min
Lab File: BF138410.D
Acq: 01 Jul 2024 18:36

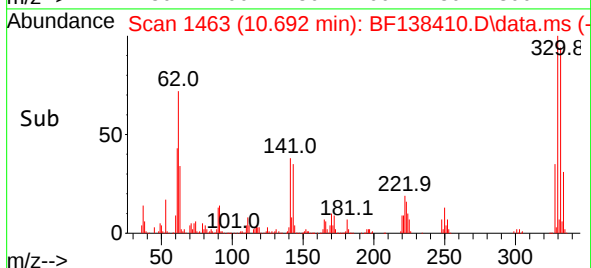
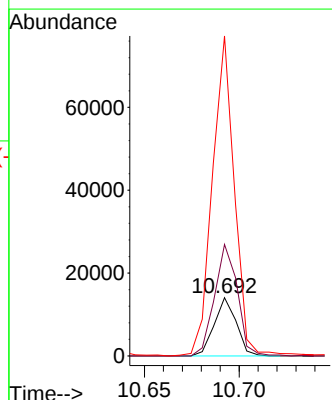
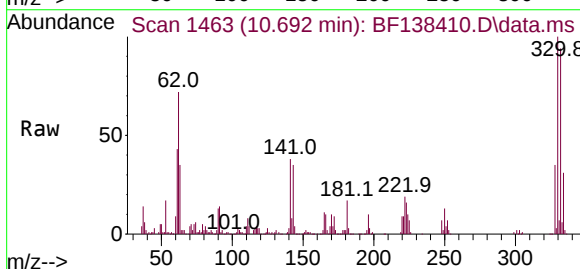
Instrument :
BNA_F
ClientSampleId :
1-S-1

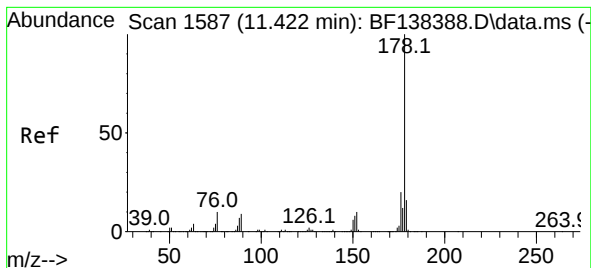
Tgt Ion:198 Resp: 262
Ion Ratio Lower Upper
198 100
51 617.3 27.9 67.9#
105 1523.0 18.2 58.2#



#67
4-Bromophenyl-phenylether
Concen: 2.307 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.247 min
Lab File: BF138410.D
Acq: 01 Jul 2024 18:36

Tgt Ion:248 Resp: 11400
Ion Ratio Lower Upper
248 100
250 191.3 78.2 117.4#
141 549.0 67.6 101.4#





#71

Phenanthrene

Concen: 2.946 ng

RT: 11.416 min Scan# 1586

Delta R.T. -0.006 min

Lab File: BF138410.D

Acq: 01 Jul 2024 18:36

Instrument :

BNA_F

ClientSampleId :

1-S-1

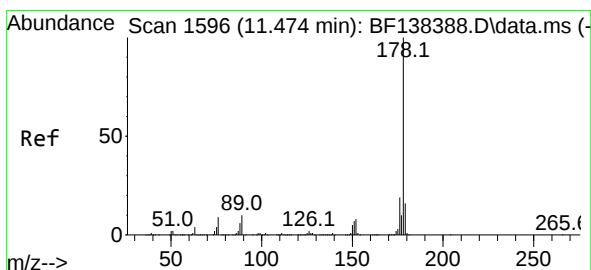
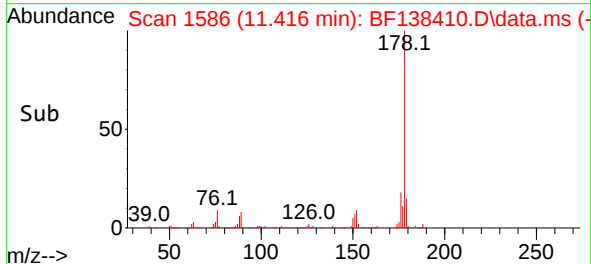
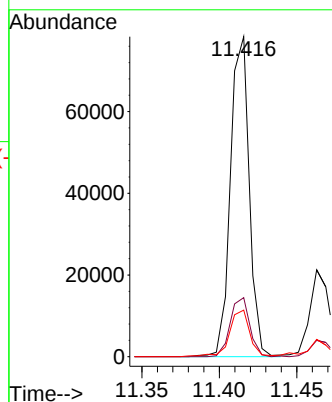
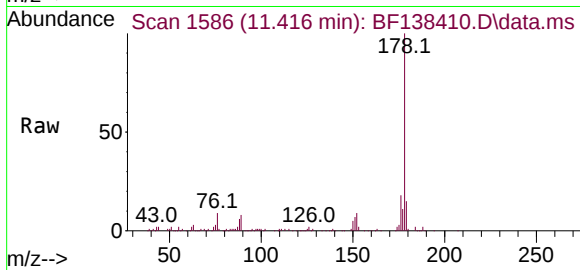
Tgt Ion:178 Resp: 66120

Ion Ratio Lower Upper

178 100

176 18.4 16.1 24.1

179 14.6 12.6 18.8



#72

Anthracene

Concen: 2.954 ng

RT: 11.416 min Scan# 1586

Delta R.T. -0.058 min

Lab File: BF138410.D

Acq: 01 Jul 2024 18:36

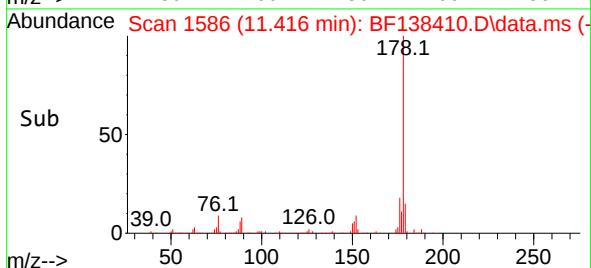
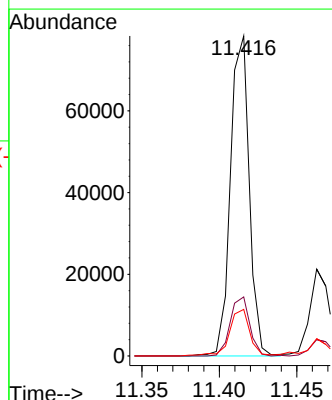
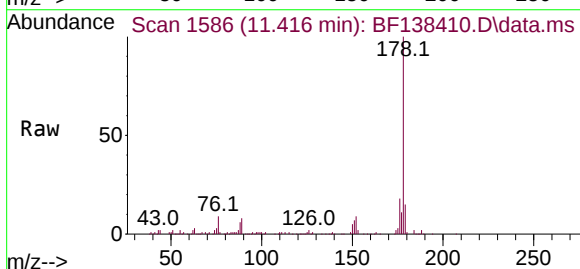
Tgt Ion:178 Resp: 66120

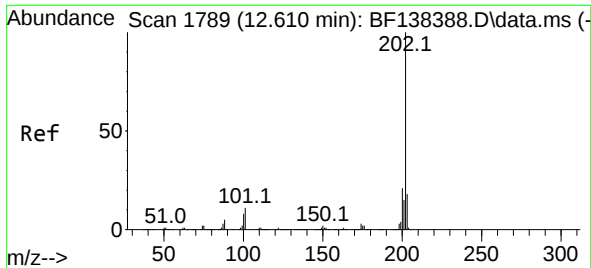
Ion Ratio Lower Upper

178 100

176 18.4 15.0 22.6

179 14.6 12.7 19.1

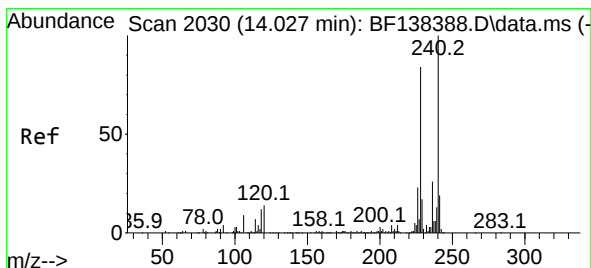
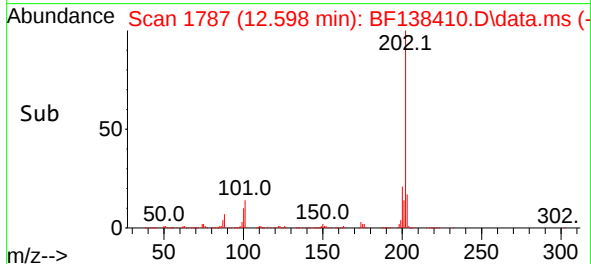
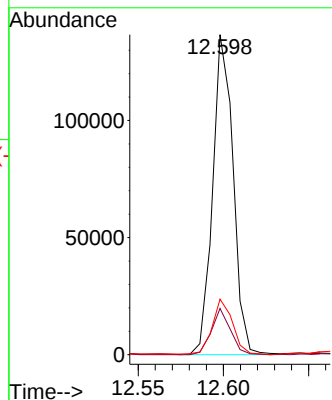
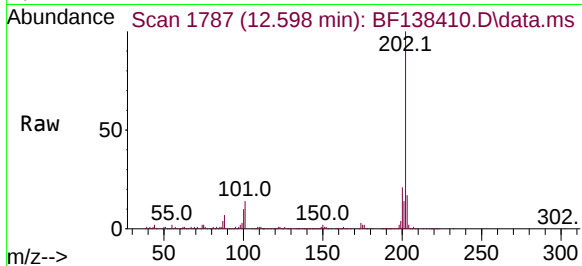




#75
Fluoranthene
Concen: 5.666 ng
RT: 12.598 min Scan# 1787
Delta R.T. -0.012 min
Lab File: BF138410.D
Acq: 01 Jul 2024 18:36

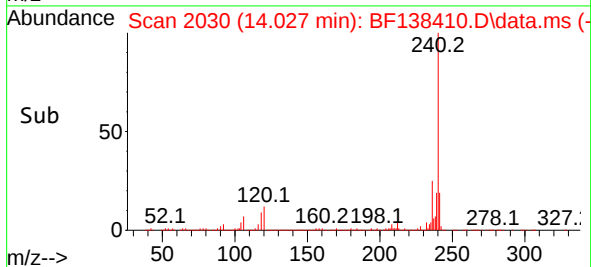
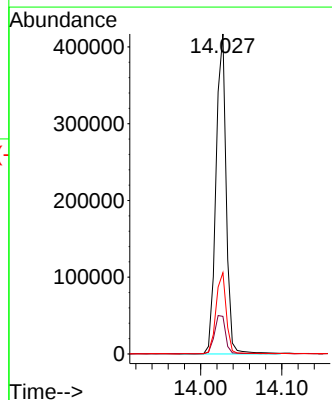
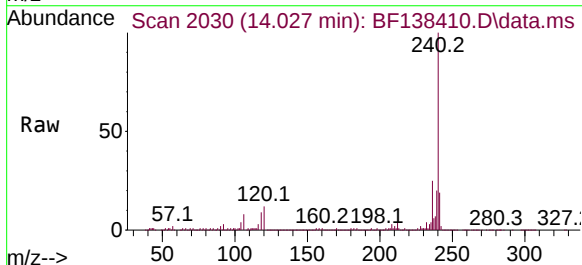
Instrument :
BNA_F
ClientSampleId :
1-S-1

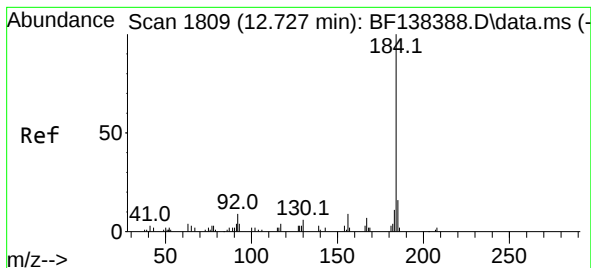
Tgt Ion:202 Resp: 114022
Ion Ratio Lower Upper
202 100
101 14.5 0.0 30.5
203 17.3 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF138410.D
Acq: 01 Jul 2024 18:36

Tgt Ion:240 Resp: 362967
Ion Ratio Lower Upper
240 100
120 11.8 10.9 16.3
236 25.4 20.6 30.8





#77

Benzidine

Concen: 3.410 ng

RT: 12.974 min Scan# 1851

Delta R.T. 0.247 min

Lab File: BF138410.D

Acq: 01 Jul 2024 18:36

Instrument :

BNA_F

ClientSampleId :

1-S-1

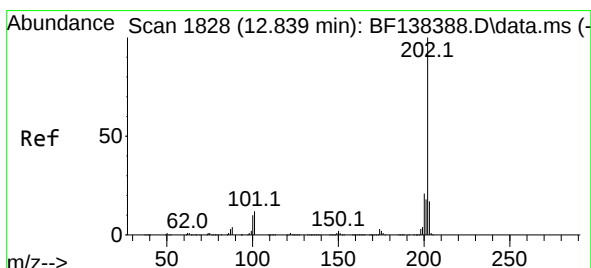
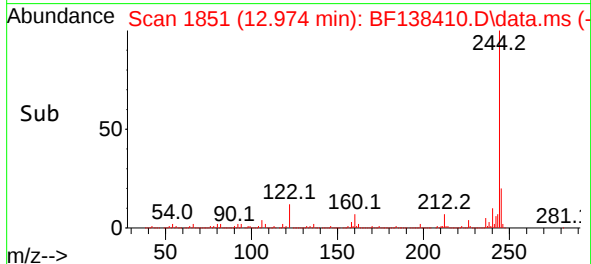
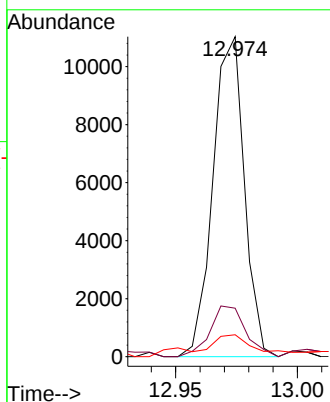
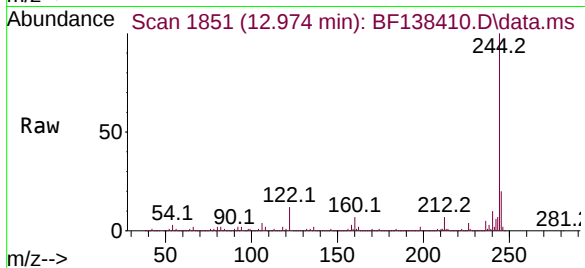
Tgt Ion:184 Resp: 9898

Ion Ratio Lower Upper

184 100

185 15.1 13.0 19.4

183 6.9 9.0 13.6#



#78

Pyrene

Concen: 2.801 ng

RT: 12.827 min Scan# 1826

Delta R.T. -0.012 min

Lab File: BF138410.D

Acq: 01 Jul 2024 18:36

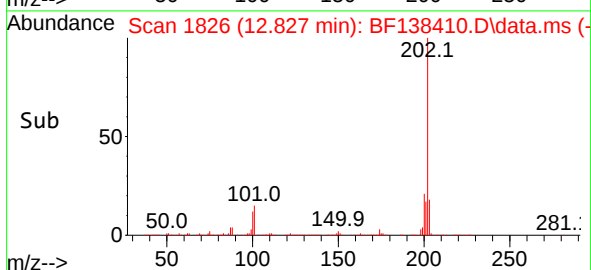
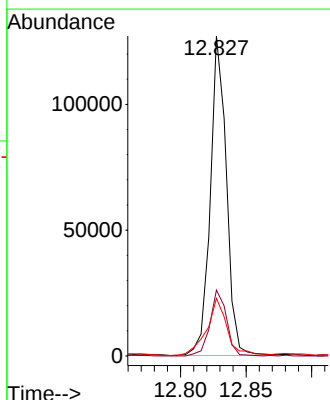
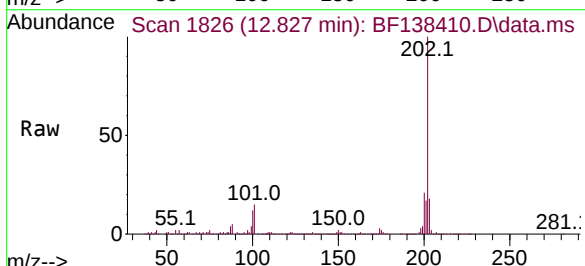
Tgt Ion:202 Resp: 108669

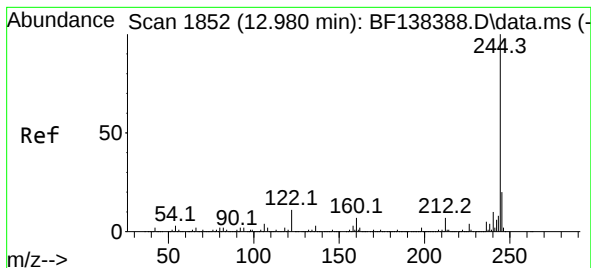
Ion Ratio Lower Upper

202 100

200 20.6 16.9 25.3

203 18.0 13.8 20.8





#79

Terphenyl-d14

Concen: 27.343 ng

RT: 12.974 min Scan# 1851

Delta R.T. -0.006 min

Lab File: BF138410.D

Acq: 01 Jul 2024 18:36

Instrument :

BNA_F

ClientSampleId :

1-S-1

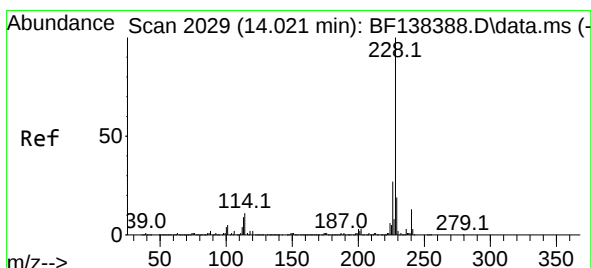
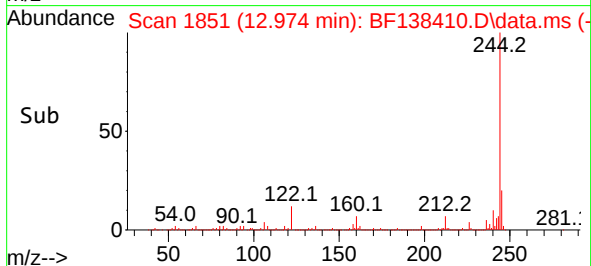
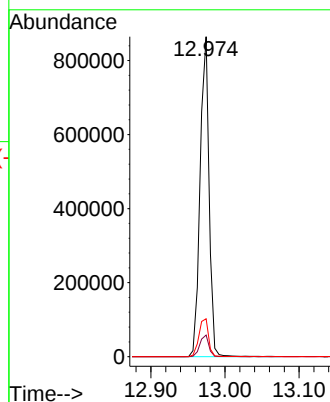
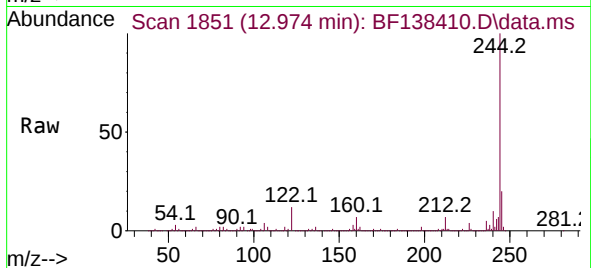
Tgt Ion:244 Resp: 724209

Ion Ratio Lower Upper

244 100

212 6.7 5.6 8.4

122 11.8 9.0 13.4



#81

Benzo(a)anthracene

Concen: 2.350 ng

RT: 14.016 min Scan# 2028

Delta R.T. -0.006 min

Lab File: BF138410.D

Acq: 01 Jul 2024 18:36

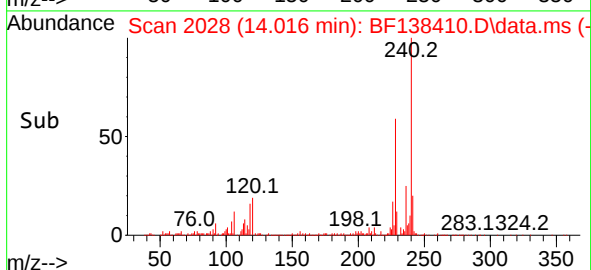
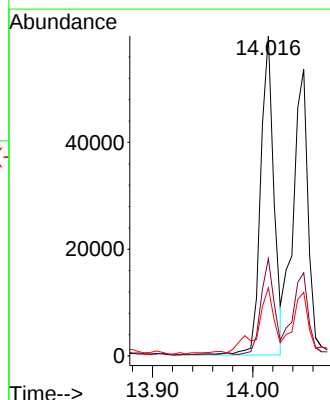
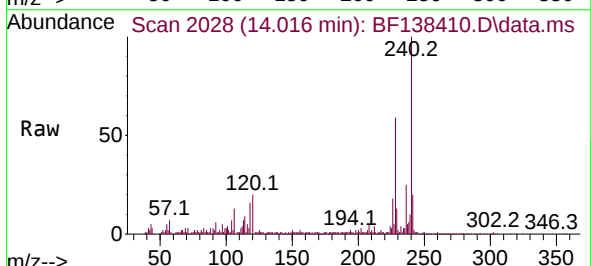
Tgt Ion:228 Resp: 54900

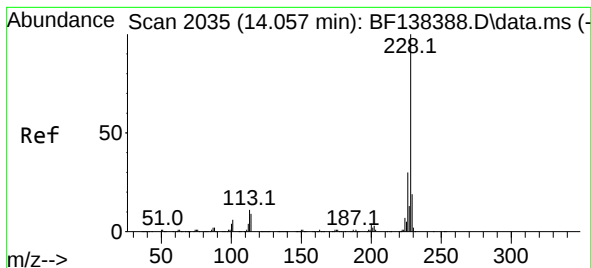
Ion Ratio Lower Upper

228 100

226 30.4 21.7 32.5

229 21.3 15.5 23.3





#83

Chrysene

Concen: 2.490 ng

RT: 14.051 min Scan# 2035

Delta R.T. -0.006 min

Lab File: BF138410.D

Acq: 01 Jul 2024 18:36

Instrument :

BNA_F

ClientSampleId :

1-S-1

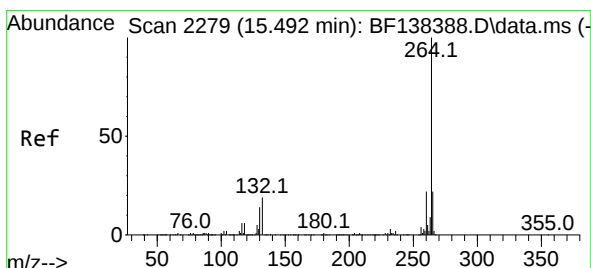
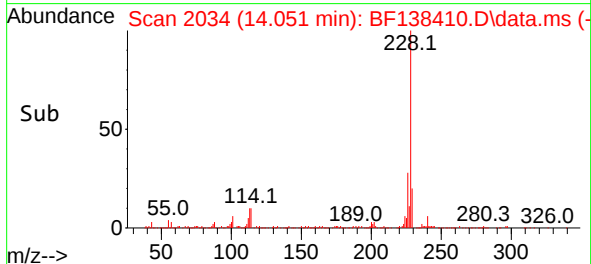
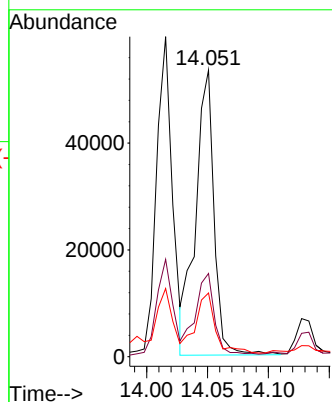
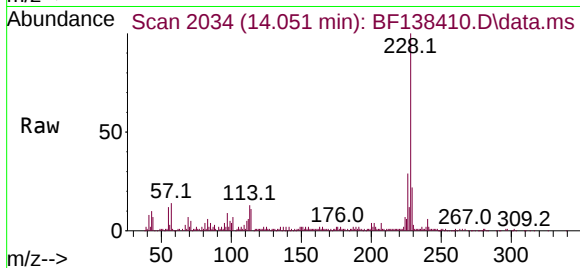
Tgt Ion:228 Resp: 56604

Ion Ratio Lower Upper

228 100

226 29.0 23.8 35.6

229 22.2 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: BF138410.D

Acq: 01 Jul 2024 18:36

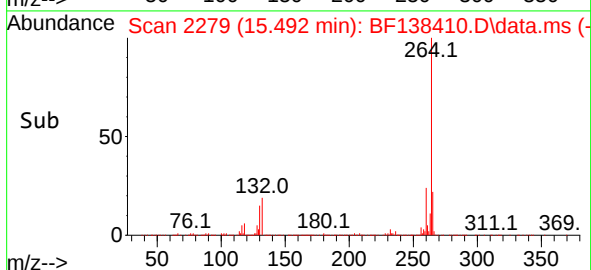
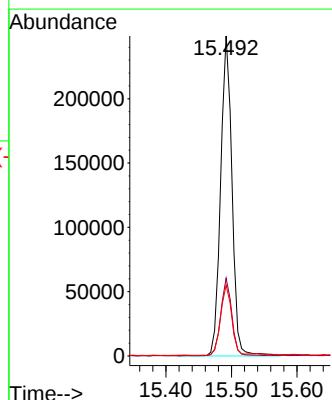
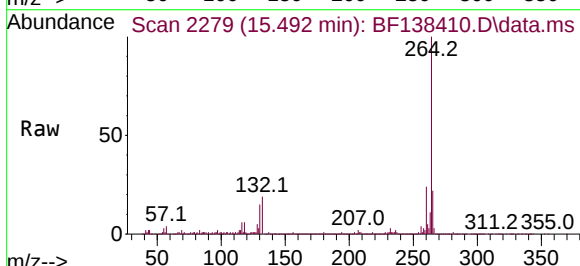
Tgt Ion:264 Resp: 298110

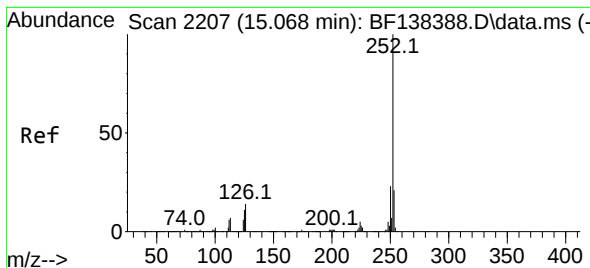
Ion Ratio Lower Upper

264 100

260 24.3 17.8 26.6

265 22.2 17.5 26.3





#88

Benzo(b)fluoranthene

Concen: 4.364 ng

RT: 15.063 min Scan# 2206

Delta R.T. -0.006 min

Lab File: BF138410.D

Acq: 01 Jul 2024 18:36

Instrument :

BNA_F

ClientSampleId :

1-S-1

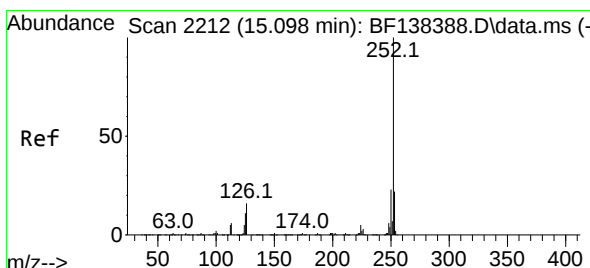
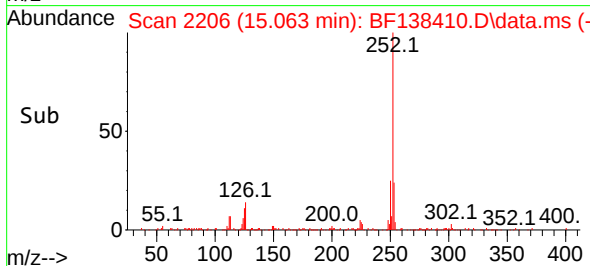
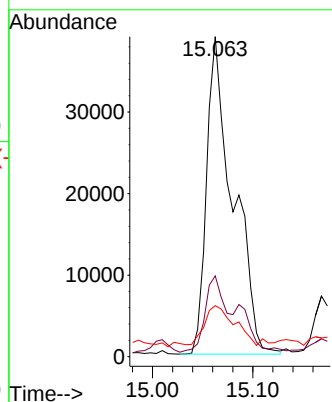
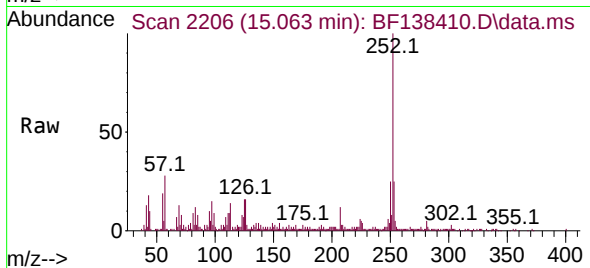
Tgt Ion:252 Resp: 71380

Ion Ratio Lower Upper

252 100

253 25.3 17.0 25.4

125 16.0 8.6 12.8#



#89

Benzo(k)fluoranthene

Concen: 4.738 ng

RT: 15.063 min Scan# 2206

Delta R.T. -0.035 min

Lab File: BF138410.D

Acq: 01 Jul 2024 18:36

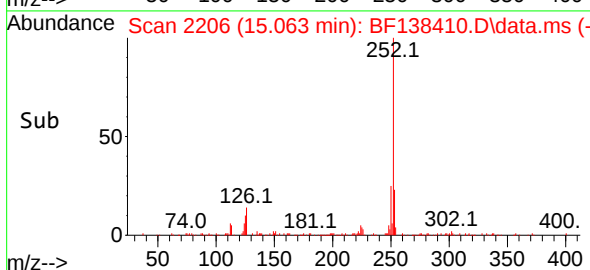
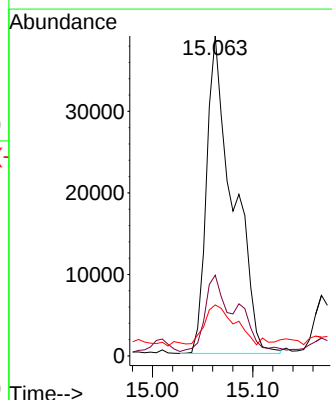
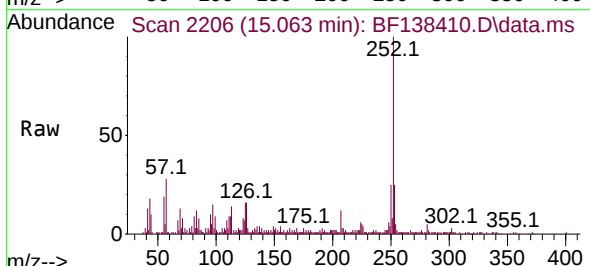
Tgt Ion:252 Resp: 71380

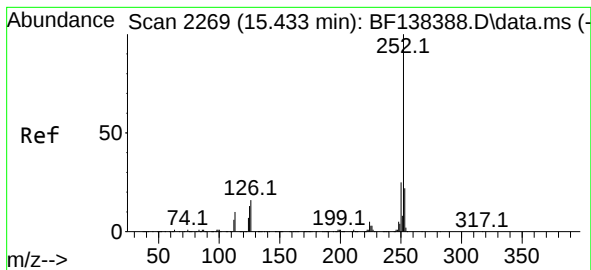
Ion Ratio Lower Upper

252 100

253 25.3 17.4 26.2

125 16.0 8.7 13.1#





#90

Benzo(a)pyrene

Concen: 2.504 ng

RT: 15.427 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF138410.D

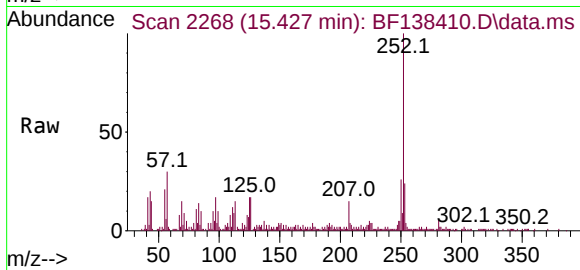
Acq: 01 Jul 2024 18:36

Instrument :

BNA_F

ClientSampleId :

1-S-1



Tgt Ion:252 Resp: 35894

Ion Ratio Lower Upper

252 100

253 23.8 17.6 26.4

125 17.0 10.2 15.2#

