

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070124\
 Data File : BF138412.D
 Acq On : 01 Jul 2024 19:35
 Operator : CG\JU
 Sample : P3077-04
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1-W-1

Quant Time: Jul 02 01:16:01 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)

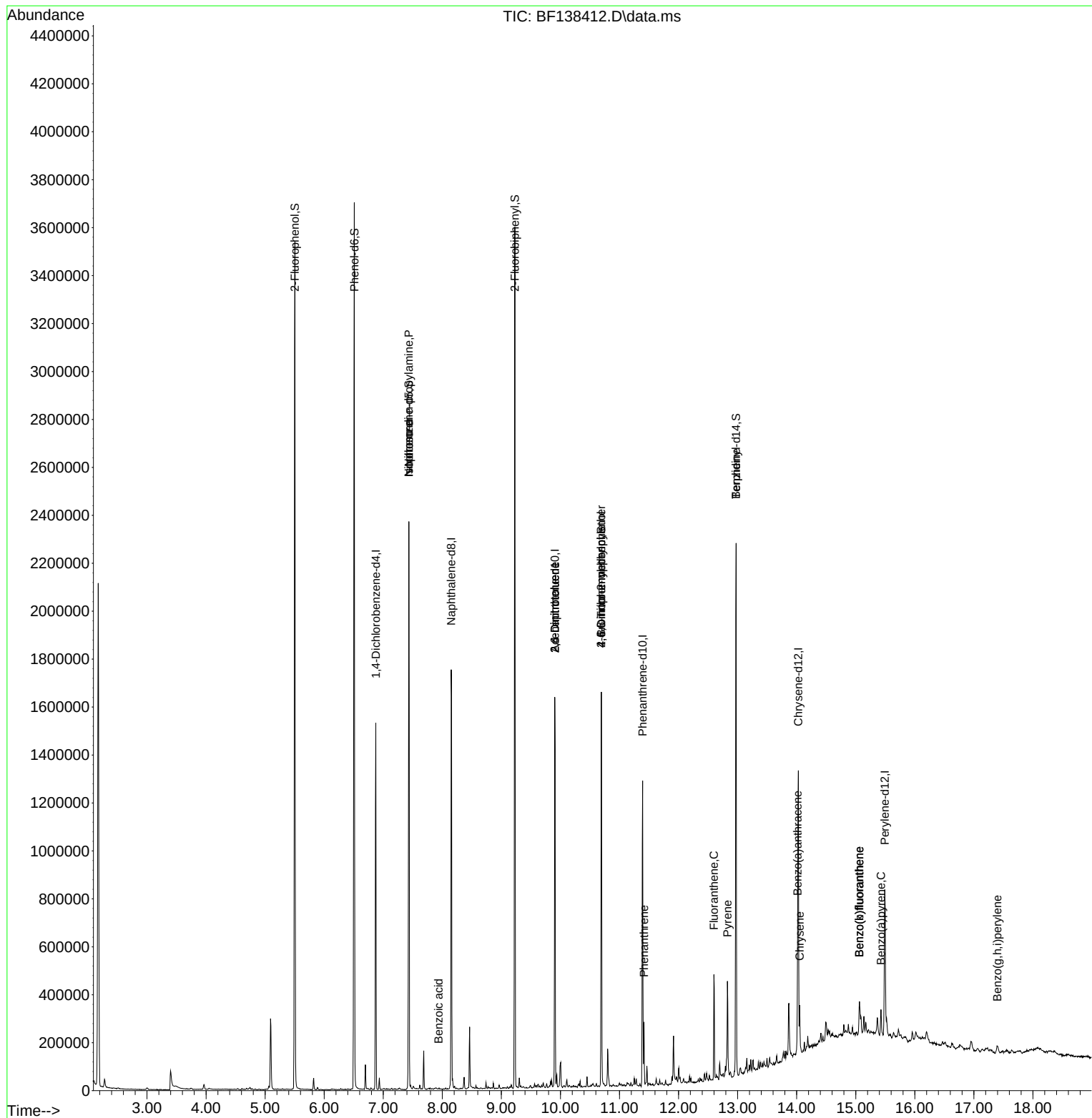
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	198307	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	725707	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	318295	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	424049	20.000	ng	0.00
76) Chrysene-d12	14.027	240	353981	20.000	ng	0.00
86) Perylene-d12	15.492	264	279265	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	873840	73.058	ng	0.00
7) Phenol-d6	6.510	99	1120818	69.562	ng	0.00
23) Nitrobenzene-d5	7.434	82	688725	49.300	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	159596	61.371	ng	-0.01
45) 2-Fluorobiphenyl	9.228	172	933258	46.662	ng	0.00
79) Terphenyl-d14	12.974	244	732244	28.348	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	90644	8.924	ng	# 77
25) Isophorone	7.434	82	688720	26.737	ng	# 67
32) Benzoic acid	7.939	122	108	4.113	ng	# 1
51) 2,6-Dinitrotoluene	9.904	165	40624	8.867	ng	# 21
57) 2,4-Dinitrotoluene	9.904	165	40624	7.202	ng	# 19
65) 4,6-Dinitro-2-methylph...	10.692	198	463	5.979	ng	# 1
67) 4-Bromophenyl-phenylether	10.692	248	10597	2.325	ng	# 1
71) Phenanthrene	11.416	178	95917	4.633	ng	97
75) Fluoranthene	12.598	202	165411	8.912	ng	97
77) Benzidine	12.974	184	10000	3.533	ng	98
78) Pyrene	12.827	202	155490	4.110	ng	100
81) Benzo(a)anthracene	14.015	228	80735	3.543	ng	96
83) Chrysene	14.051	228	72198	3.257	ng	97
88) Benzo(b)fluoranthene	15.062	252	98569	6.433	ng	# 91
89) Benzo(k)fluoranthene	15.062	252	98569	6.984	ng	# 92
90) Benzo(a)pyrene	15.427	252	48043	3.577	ng	# 96
92) Benzo(g,h,i)perylene	17.398	276	23572	2.127	ng	# 84

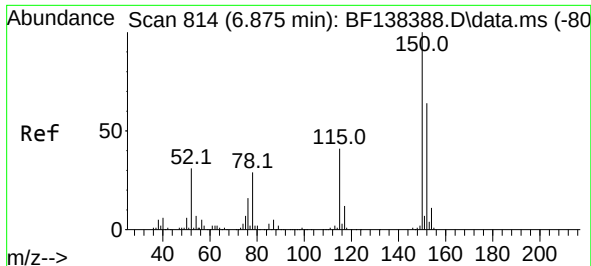
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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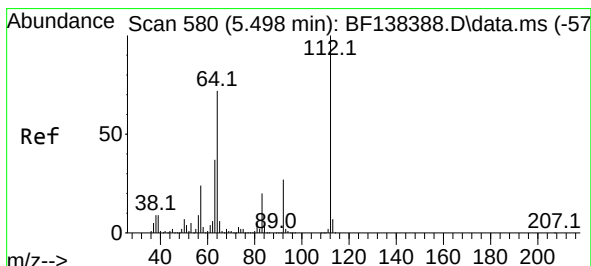
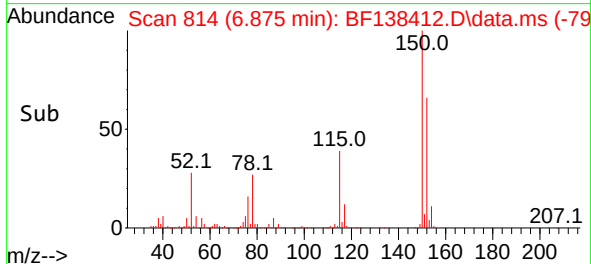
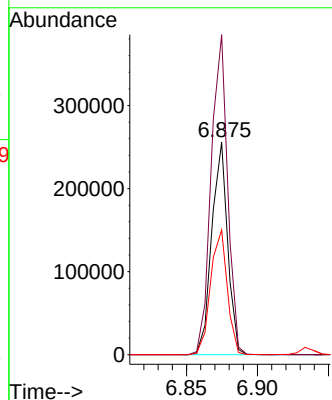
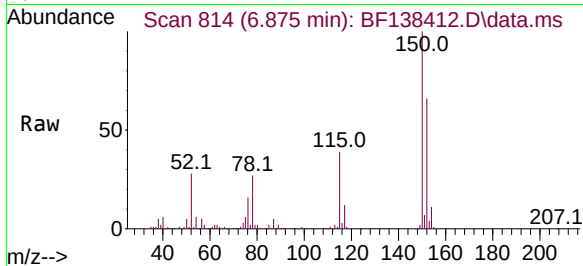




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF138412.D
Acq: 01 Jul 2024 19:35

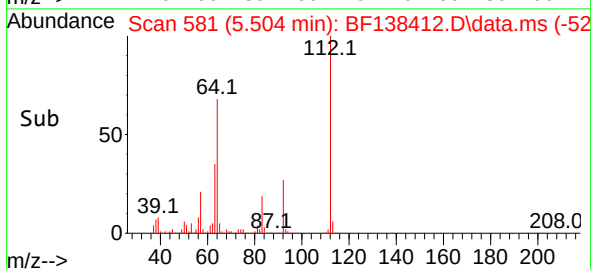
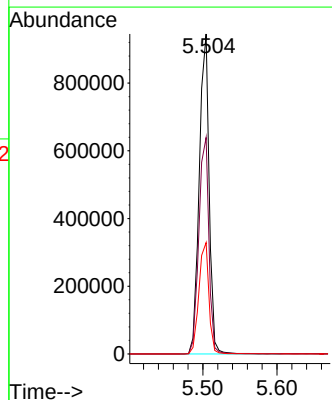
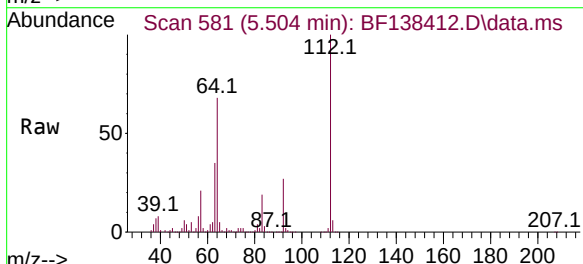
Instrument :
BNA_F
ClientSampleId :
1-W-1

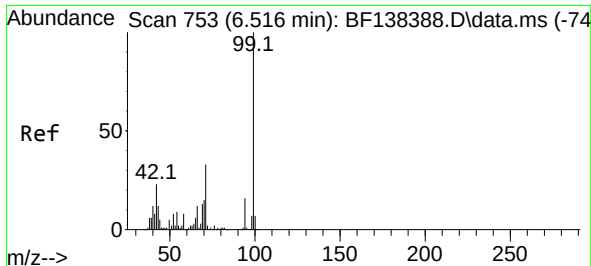
Tgt Ion:152 Resp: 198307
Ion Ratio Lower Upper
152 100
150 150.7 124.9 187.3
115 58.7 50.8 76.2



#5
2-Fluorophenol
Concen: 73.058 ng
RT: 5.504 min Scan# 581
Delta R.T. 0.006 min
Lab File: BF138412.D
Acq: 01 Jul 2024 19:35

Tgt Ion:112 Resp: 873840
Ion Ratio Lower Upper
112 100
64 67.7 57.2 85.8
63 34.8 29.4 44.0

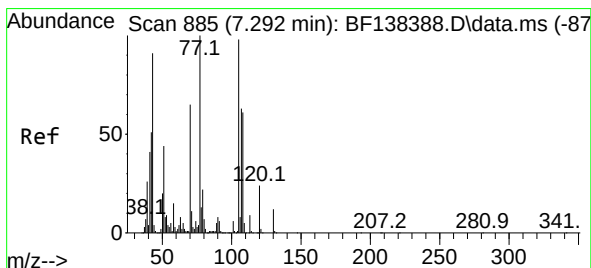
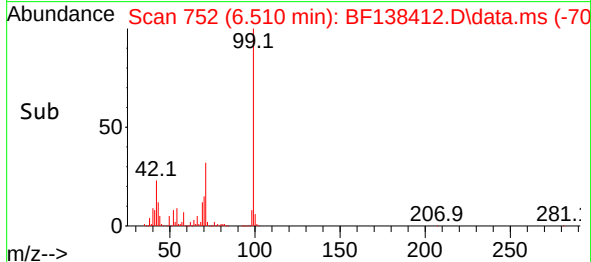
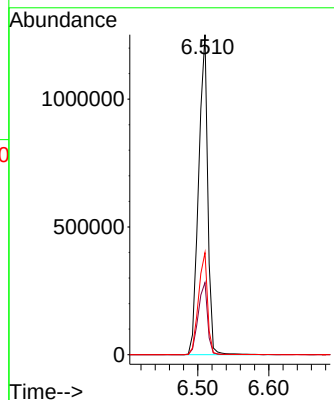
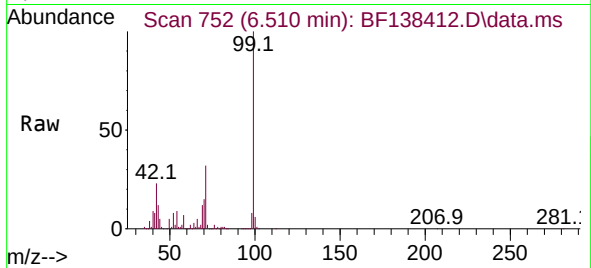




#7
Phenol-d6
Concen: 69.562 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF138412.D
Acq: 01 Jul 2024 19:35

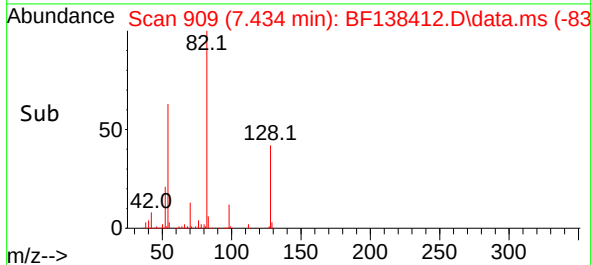
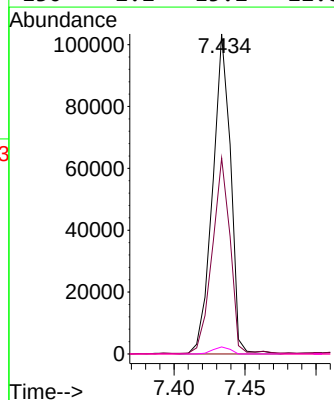
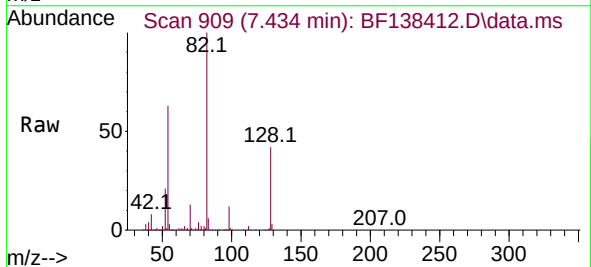
Instrument :
BNA_F
ClientSampleId :
1-W-1

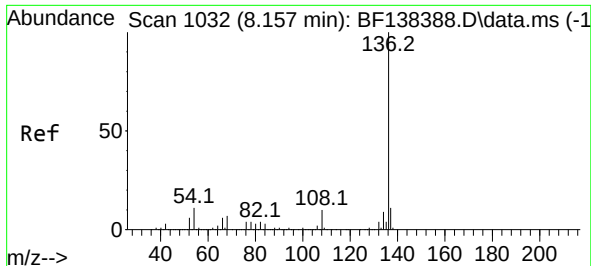
Tgt Ion: 99 Resp: 1120818
Ion Ratio Lower Upper
99 100
42 22.6 18.5 27.7
71 31.9 26.1 39.1



#19
n-Nitroso-di-n-propylamine
Concen: 8.924 ng
RT: 7.434 min Scan# 909
Delta R.T. 0.141 min
Lab File: BF138412.D
Acq: 01 Jul 2024 19:35

Tgt Ion: 70 Resp: 90644
Ion Ratio Lower Upper
70 100
42 61.3 62.5 93.7#
101 0.0 7.0 10.4#
130 2.2 15.2 22.8#

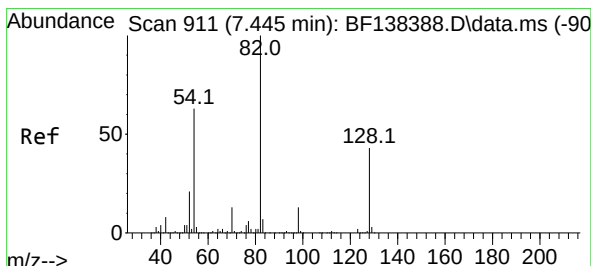
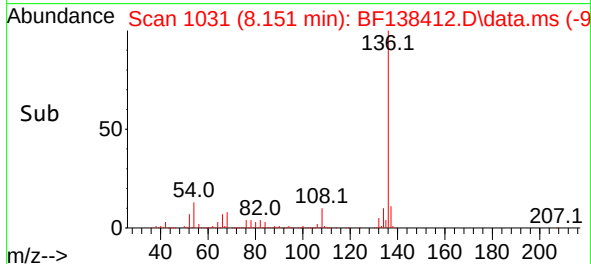
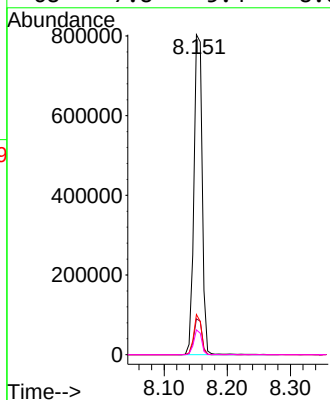
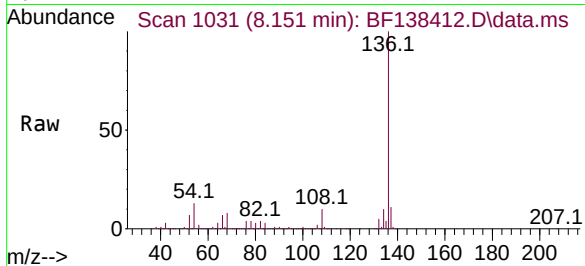




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1032
Delta R.T. -0.006 min
Lab File: BF138412.D
Acq: 01 Jul 2024 19:35

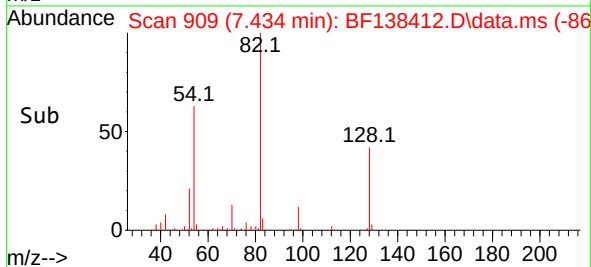
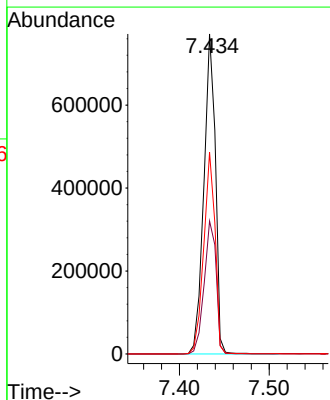
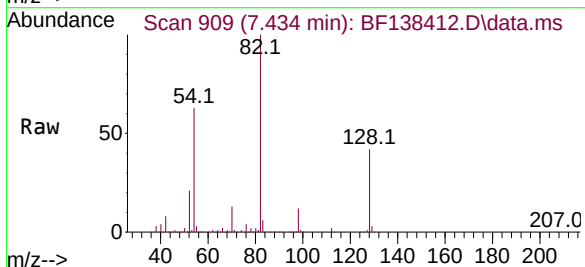
Instrument :
BNA_F
ClientSampleId :
1-W-1

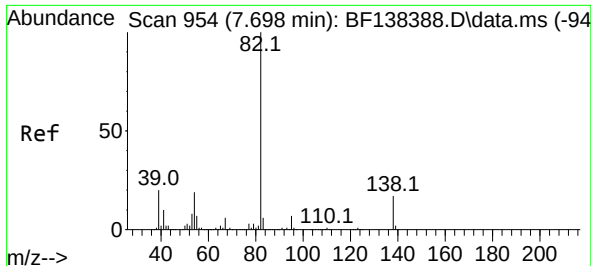
Tgt Ion:	136	Resp:	725707
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	12.5	9.0	13.4
68	7.8	5.4	8.0



#23
Nitrobenzene-d5
Concen: 49.300 ng
RT: 7.434 min Scan# 909
Delta R.T. -0.012 min
Lab File: BF138412.D
Acq: 01 Jul 2024 19:35

Tgt Ion:	82	Resp:	688725
Ion	Ratio	Lower	Upper
82	100		
128	41.6	34.6	52.0
54	63.1	50.5	75.7

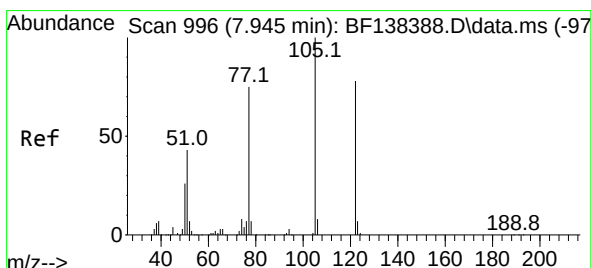
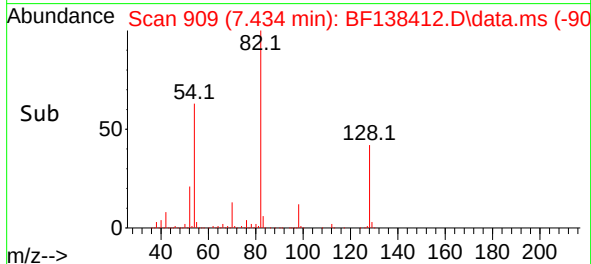
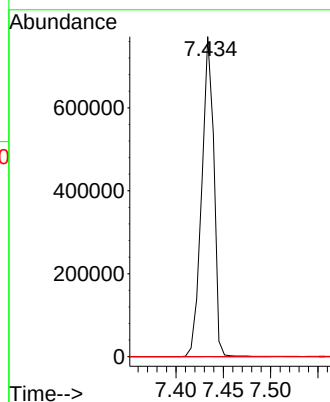
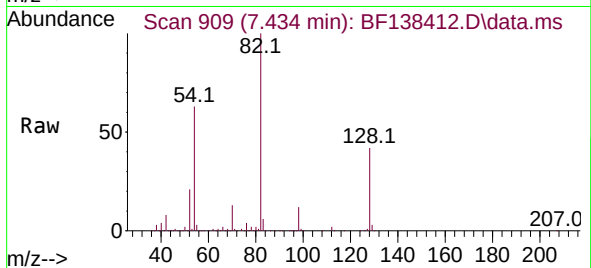




#25
Isophorone
Concen: 26.737 ng
RT: 7.434 min Scan# 909
Delta R.T. -0.265 min
Lab File: BF138412.D
Acq: 01 Jul 2024 19:35

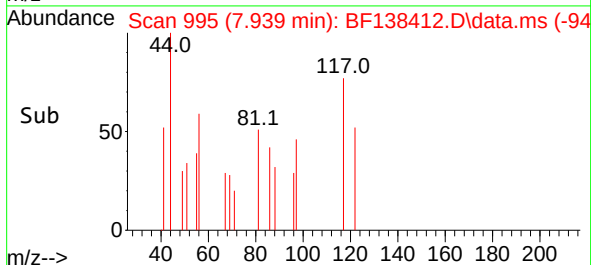
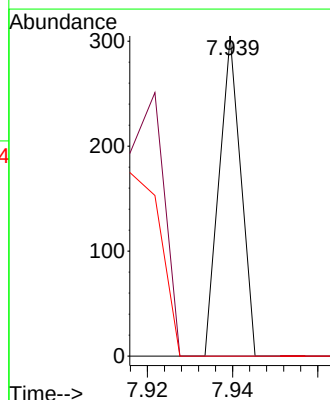
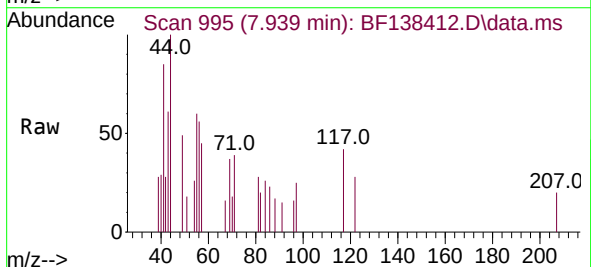
Instrument :
BNA_F
ClientSampleId :
1-W-1

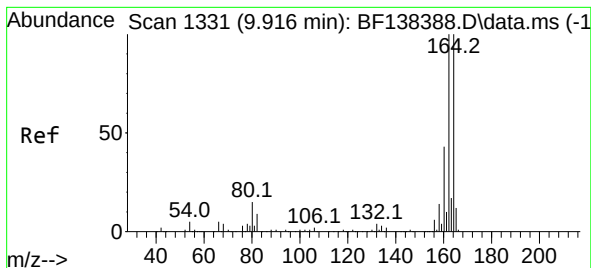
Tgt Ion: 82 Resp: 688720
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.4 20.2#



#32
Benzoic acid
Concen: 4.113 ng
RT: 7.939 min Scan# 995
Delta R.T. -0.006 min
Lab File: BF138412.D
Acq: 01 Jul 2024 19:35

Tgt Ion: 122 Resp: 108
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: BF138412.D

Acq: 01 Jul 2024 19:35

Instrument :

BNA_F

ClientSampleId :

1-W-1

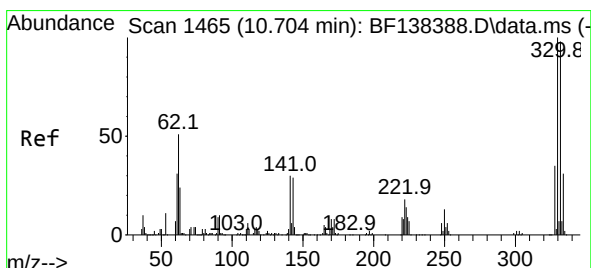
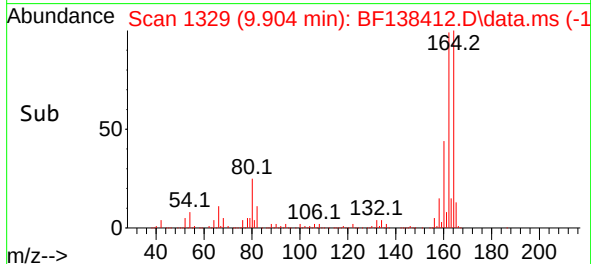
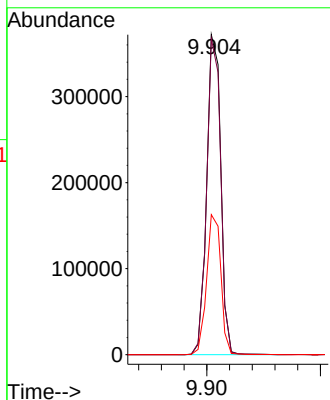
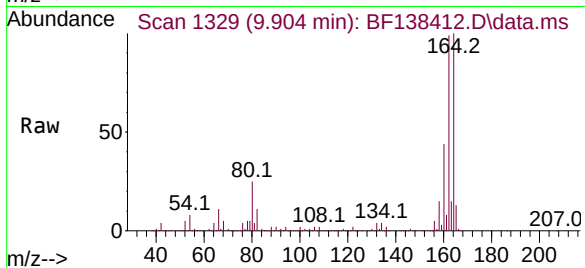
Tgt Ion:164 Resp: 318295

Ion Ratio Lower Upper

164 100

162 98.7 80.1 120.1

160 43.7 34.1 51.1



#42

2,4,6-Tribromophenol

Concen: 61.371 ng

RT: 10.692 min Scan# 1463

Delta R.T. -0.012 min

Lab File: BF138412.D

Acq: 01 Jul 2024 19:35

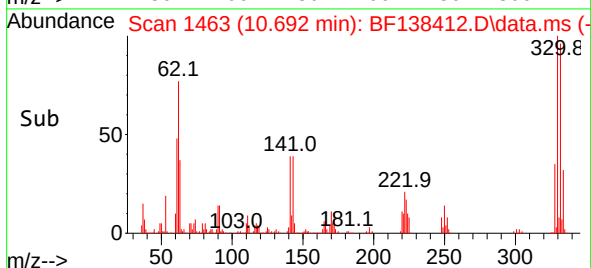
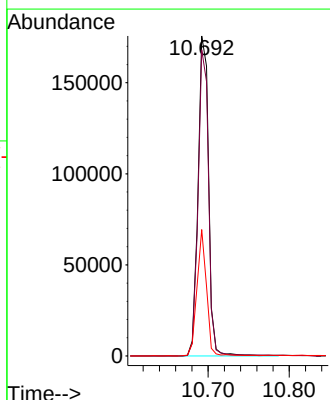
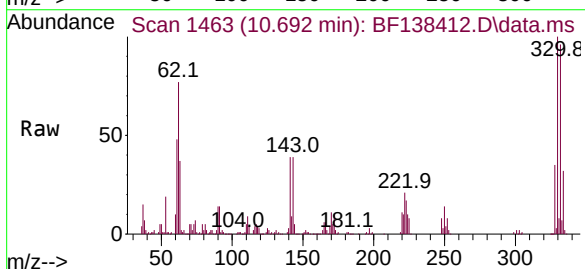
Tgt Ion:330 Resp: 159596

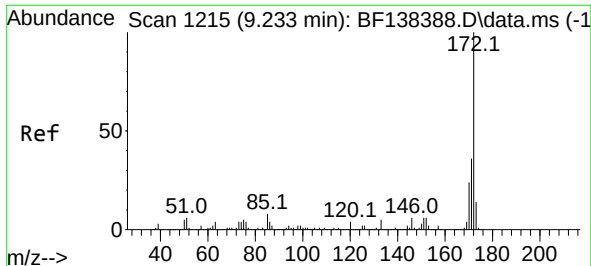
Ion Ratio Lower Upper

330 100

332 94.5 77.0 115.6

141 35.8 28.1 42.1

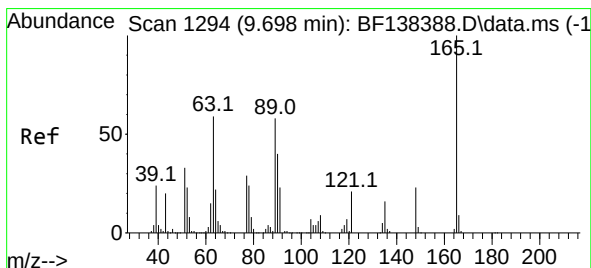
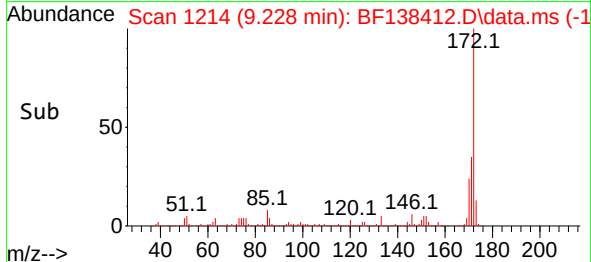
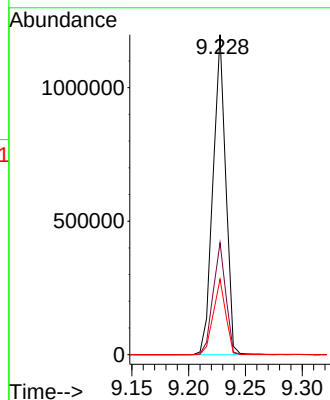
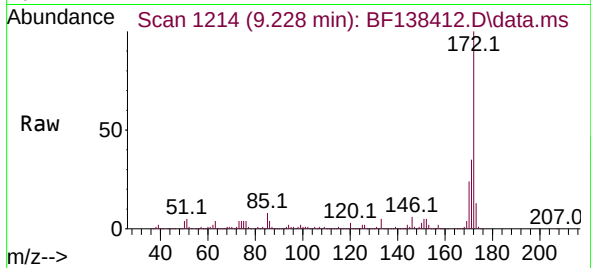




#45
2-Fluorobiphenyl
Concen: 46.662 ng
RT: 9.228 min Scan# 11
Delta R.T. -0.005 min
Lab File: BF138412.D
Acq: 01 Jul 2024 19:35

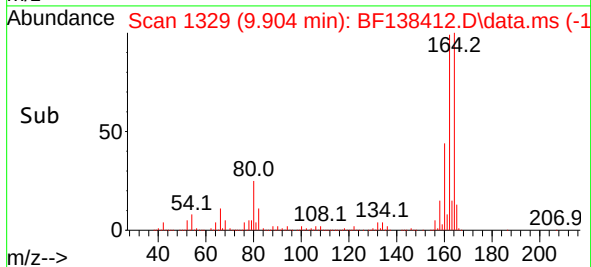
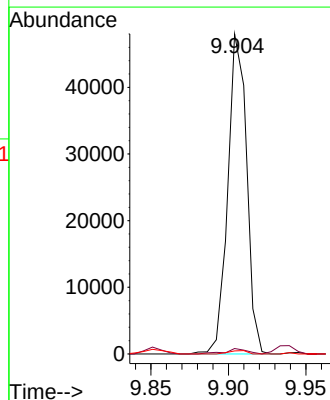
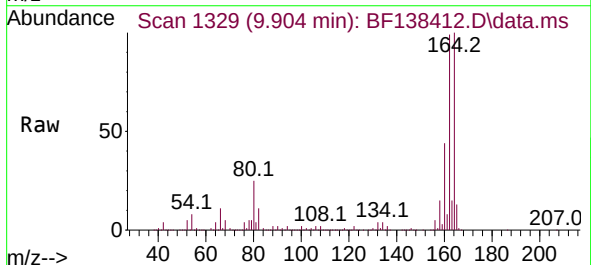
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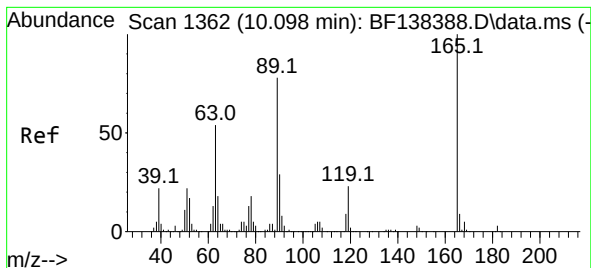
Tgt Ion:172 Resp: 933258
Ion Ratio Lower Upper
172 100
171 35.0 29.0 43.4
170 23.6 19.0 28.6



#51
2,6-Dinitrotoluene
Concen: 8.867 ng
RT: 9.904 min Scan# 1329
Delta R.T. 0.206 min
Lab File: BF138412.D
Acq: 01 Jul 2024 19:35

Tgt Ion:165 Resp: 40624
Ion Ratio Lower Upper
165 100
63 1.7 53.8 80.8#
89 0.9 46.4 69.6#

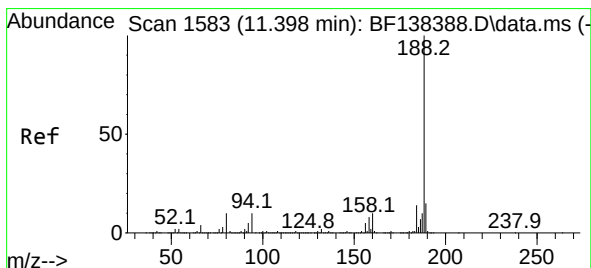
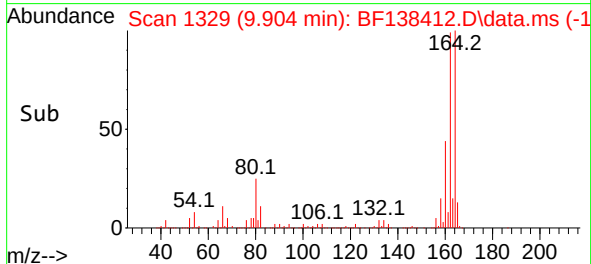
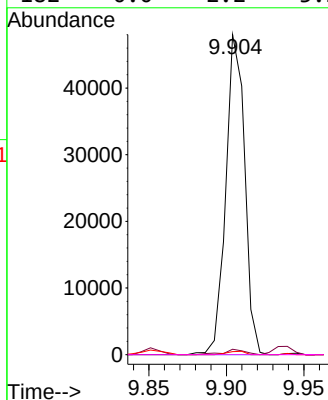
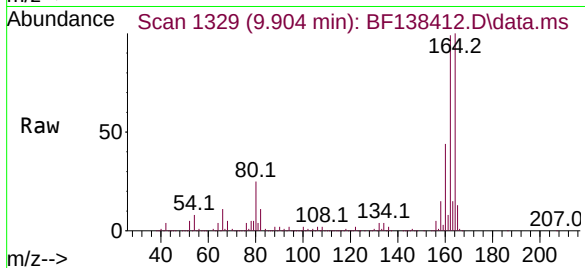




#57
2,4-Dinitrotoluene
Concen: 7.202 ng
RT: 9.904 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF138412.D
Acq: 01 Jul 2024 19:35

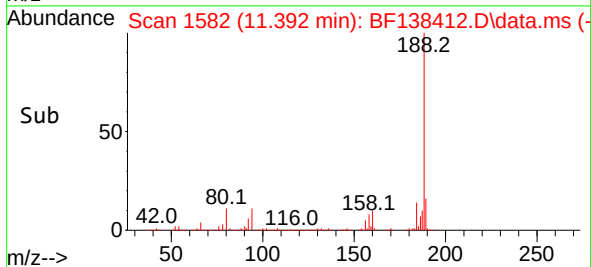
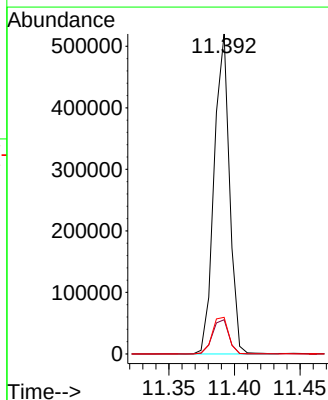
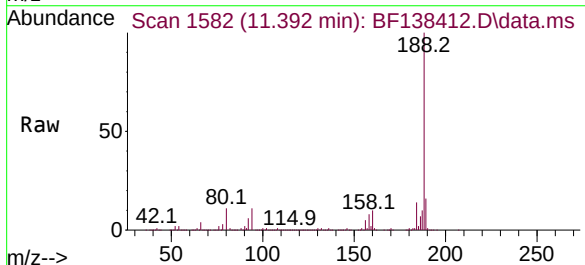
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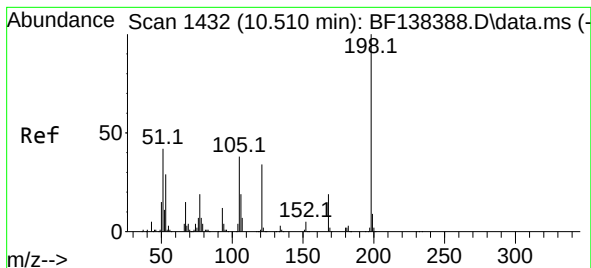
Tgt Ion:165 Resp: 40624
Ion Ratio Lower Upper
165 100
63 1.7 43.4 65.2#
89 0.9 62.6 93.8#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF138412.D
Acq: 01 Jul 2024 19:35

Tgt Ion:188 Resp: 424049
Ion Ratio Lower Upper
188 100
94 10.7 8.0 12.0
80 11.5 8.2 12.4

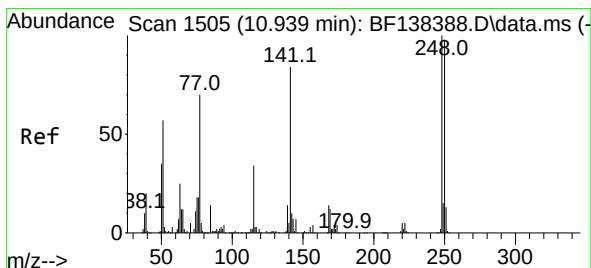
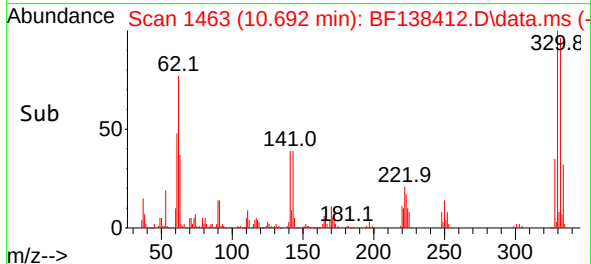
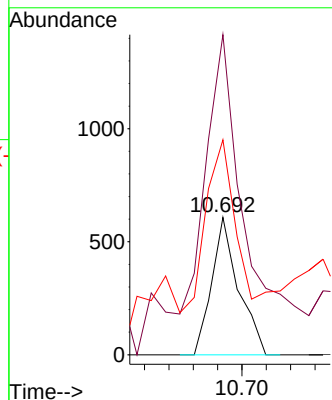
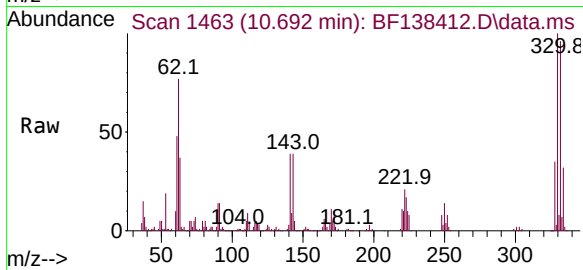




#65
4,6-Dinitro-2-methylphenol
Concen: 5.979 ng
RT: 10.692 min Scan# 1463
Delta R.T. 0.182 min
Lab File: BF138412.D
Acq: 01 Jul 2024 19:35

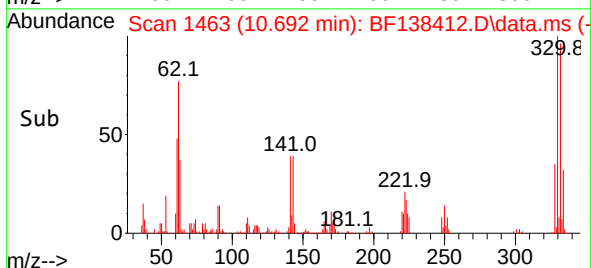
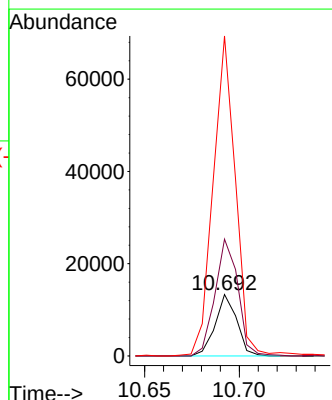
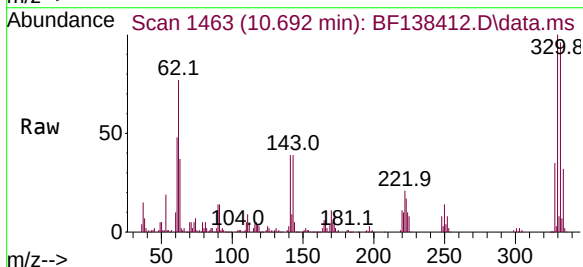
Instrument :
BNA_F
ClientSampleId :
1-W-1

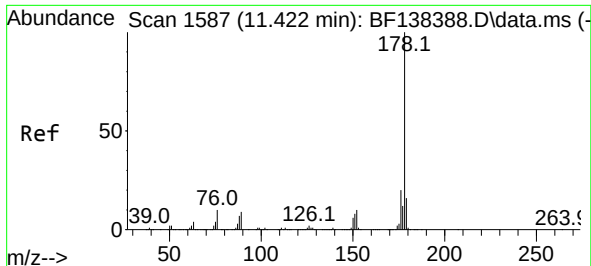
Tgt Ion:198 Resp: 463
Ion Ratio Lower Upper
198 100
51 232.9 27.9 67.9#
105 156.4 18.2 58.2#



#67
4-Bromophenyl-phenylether
Concen: 2.325 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.247 min
Lab File: BF138412.D
Acq: 01 Jul 2024 19:35

Tgt Ion:248 Resp: 10597
Ion Ratio Lower Upper
248 100
250 190.0 78.2 117.4#
141 520.3 67.6 101.4#

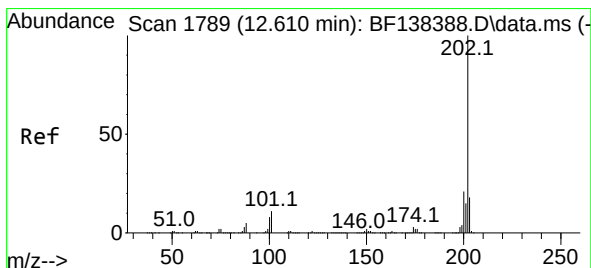
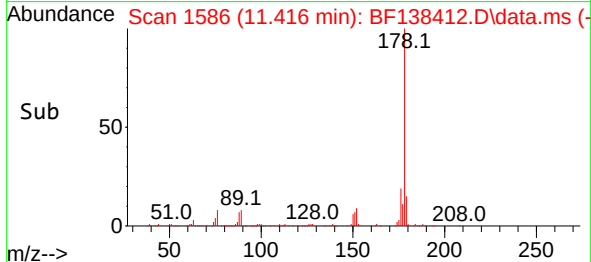
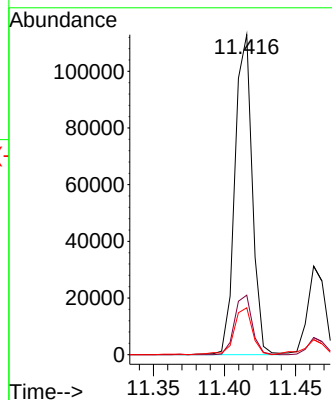
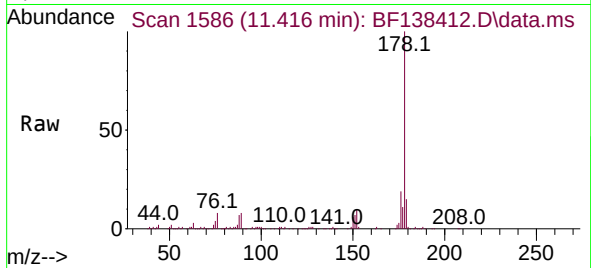




#71
Phenanthrene
Concen: 4.633 ng
RT: 11.416 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138412.D
Acq: 01 Jul 2024 19:35

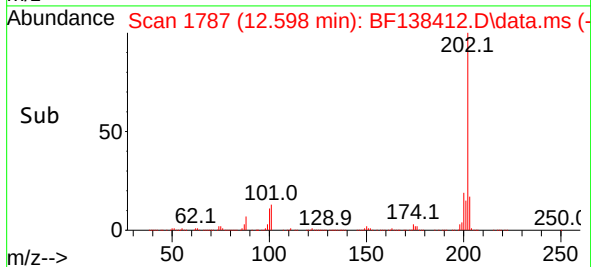
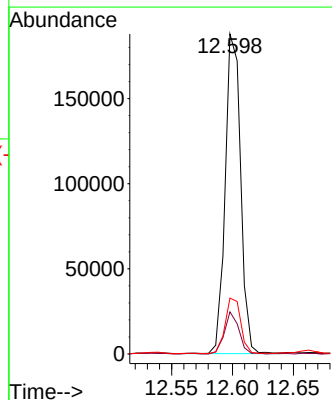
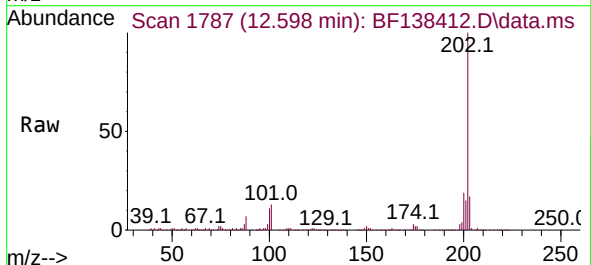
Instrument :
BNA_F
ClientSampleId :
1-W-1

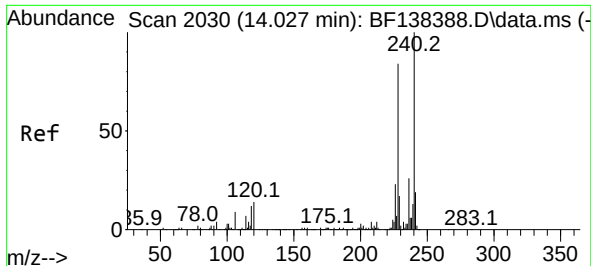
Tgt Ion:178 Resp: 95917
Ion Ratio Lower Upper
178 100
176 18.6 16.1 24.1
179 14.6 12.6 18.8



#75
Fluoranthene
Concen: 8.912 ng
RT: 12.598 min Scan# 1787
Delta R.T. -0.012 min
Lab File: BF138412.D
Acq: 01 Jul 2024 19:35

Tgt Ion:202 Resp: 165411
Ion Ratio Lower Upper
202 100
101 13.1 0.0 30.5
203 17.5 0.0 37.6

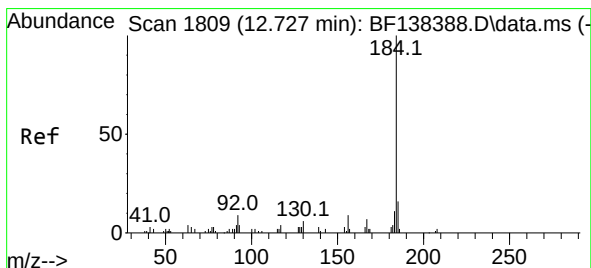
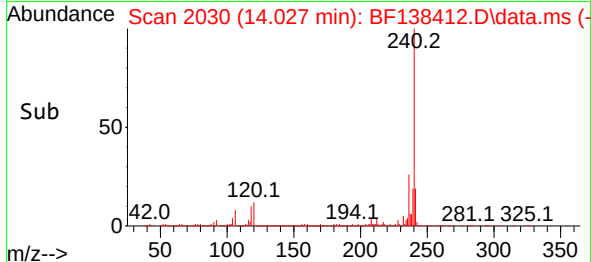
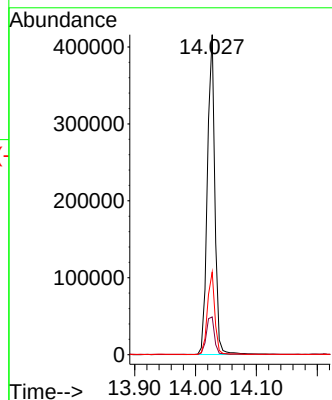
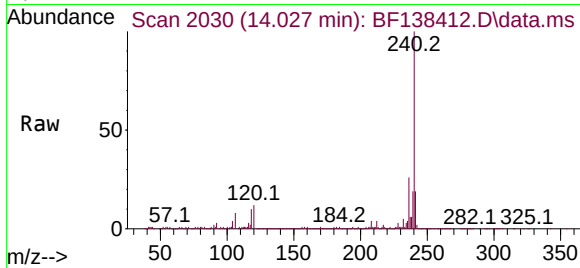




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF138412.D
Acq: 01 Jul 2024 19:35

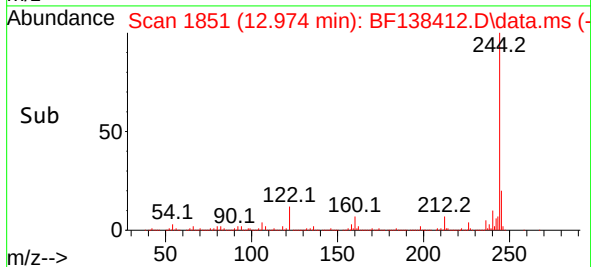
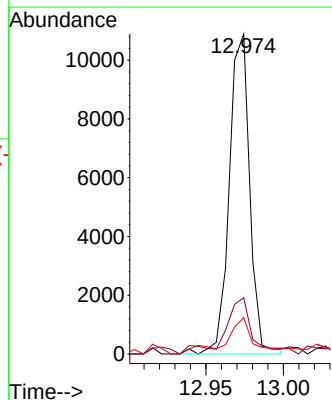
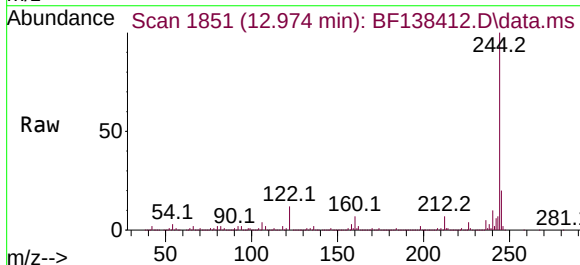
Instrument :
BNA_F
ClientSampleId :
1-W-1

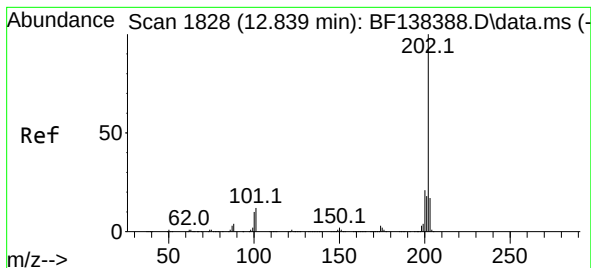
Tgt Ion:240 Resp: 353981
Ion Ratio Lower Upper
240 100
120 11.8 10.9 16.3
236 25.8 20.6 30.8



#77
Benzidine
Concen: 3.533 ng
RT: 12.974 min Scan# 1851
Delta R.T. 0.247 min
Lab File: BF138412.D
Acq: 01 Jul 2024 19:35

Tgt Ion:184 Resp: 10000
Ion Ratio Lower Upper
184 100
185 17.6 13.0 19.4
183 11.3 9.0 13.6





#78

Pyrene

Concen: 4.110 ng

RT: 12.827 min Scan# 1826

Delta R.T. -0.012 min

Lab File: BF138412.D

Acq: 01 Jul 2024 19:35

Instrument :

BNA_F

ClientSampleId :

1-W-1

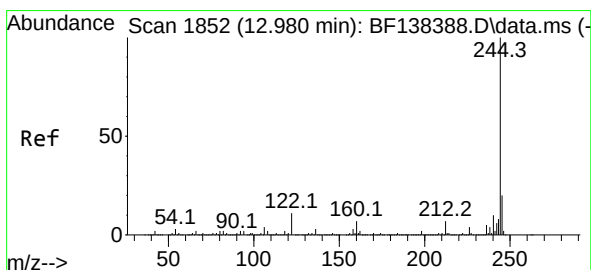
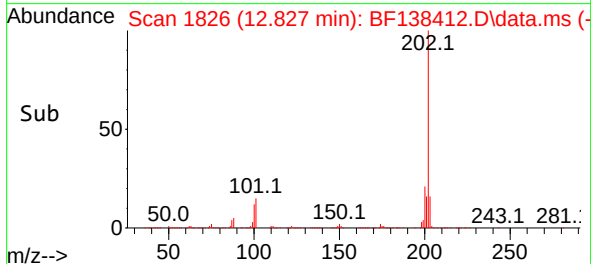
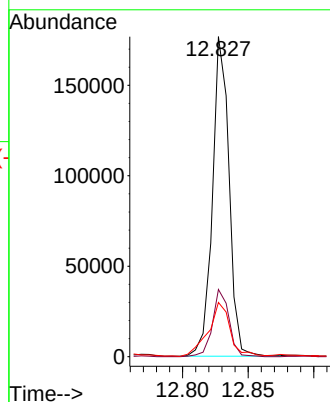
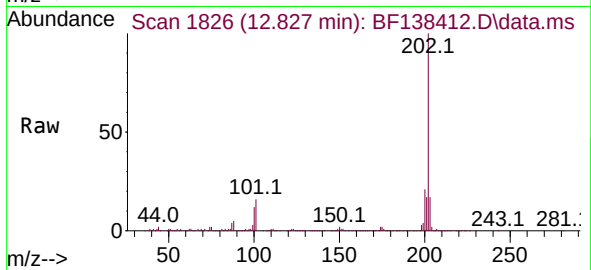
Tgt Ion:202 Resp: 155490

Ion Ratio Lower Upper

202 100

200 21.0 16.9 25.3

203 17.0 13.8 20.8



#79

Terphenyl-d14

Concen: 28.348 ng

RT: 12.974 min Scan# 1851

Delta R.T. -0.006 min

Lab File: BF138412.D

Acq: 01 Jul 2024 19:35

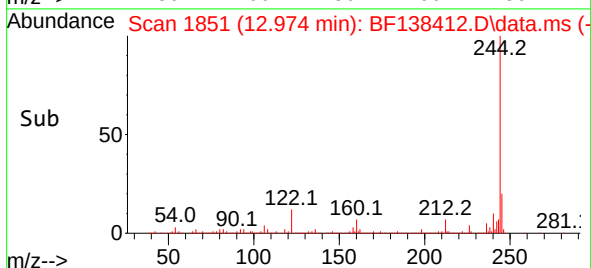
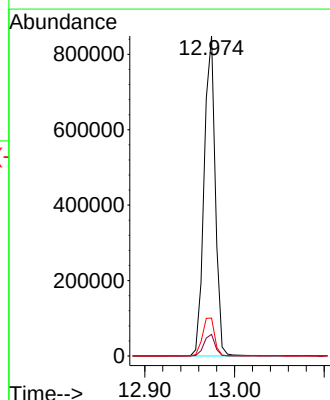
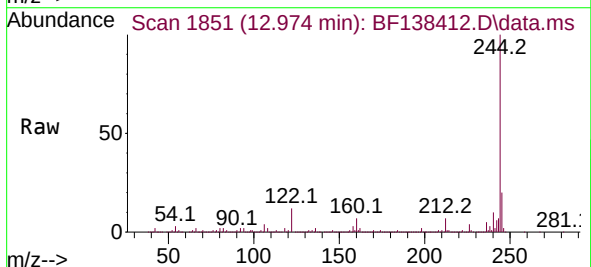
Tgt Ion:244 Resp: 732244

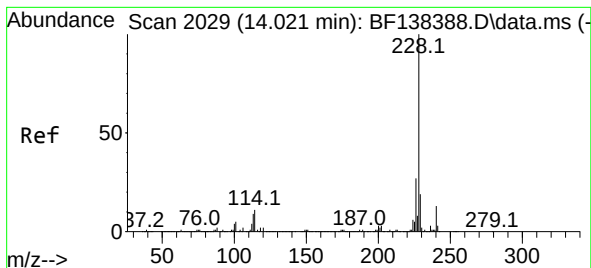
Ion Ratio Lower Upper

244 100

212 6.7 5.6 8.4

122 11.9 9.0 13.4





#81

Benzo(a)anthracene

Concen: 3.543 ng

RT: 14.015 min Scan# 2028

Delta R.T. -0.006 min

Lab File: BF138412.D

Acq: 01 Jul 2024 19:35

Instrument :

BNA_F

ClientSampleId :

1-W-1

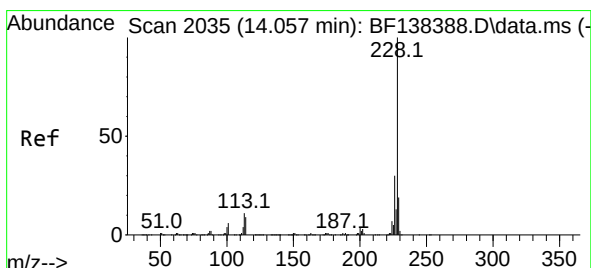
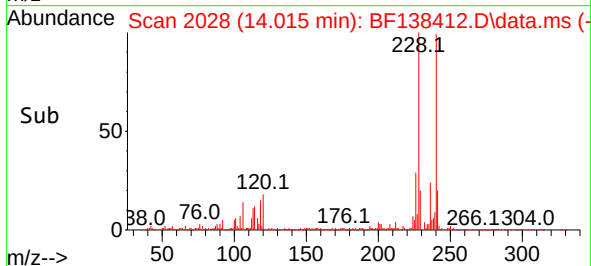
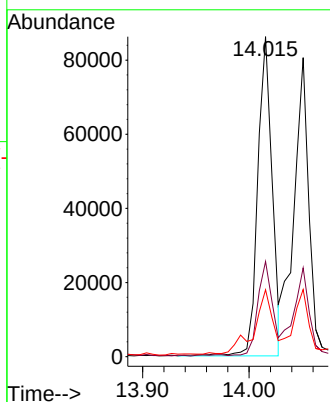
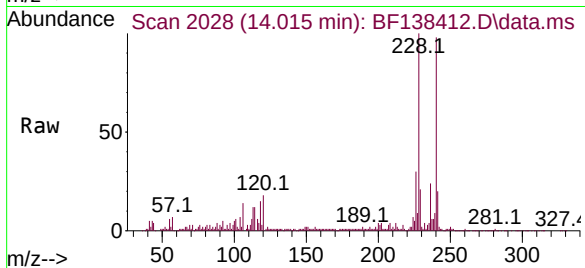
Tgt Ion:228 Resp: 80735

Ion Ratio Lower Upper

228 100

226 29.7 21.7 32.5

229 20.9 15.5 23.3



#83

Chrysene

Concen: 3.257 ng

RT: 14.051 min Scan# 2034

Delta R.T. -0.006 min

Lab File: BF138412.D

Acq: 01 Jul 2024 19:35

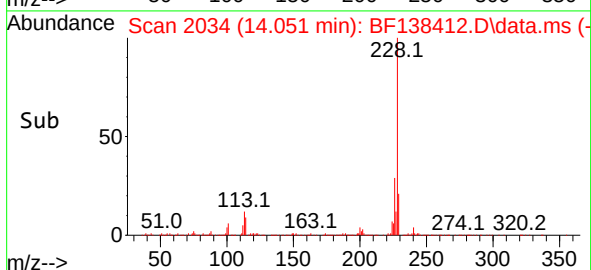
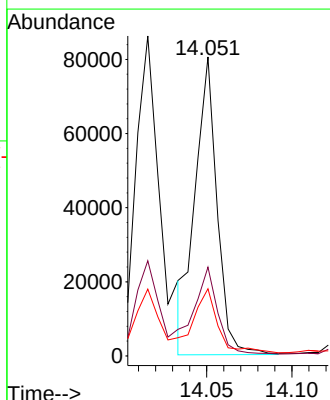
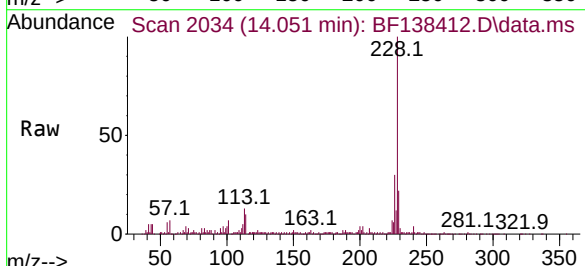
Tgt Ion:228 Resp: 72198

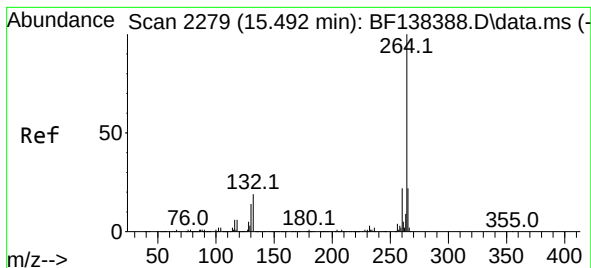
Ion Ratio Lower Upper

228 100

226 29.7 23.8 35.6

229 22.5 15.2 22.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.492 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF138412.D

Acq: 01 Jul 2024 19:35

Instrument :

BNA_F

ClientSampleId :

1-W-1

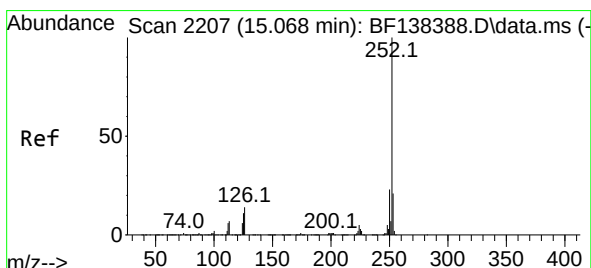
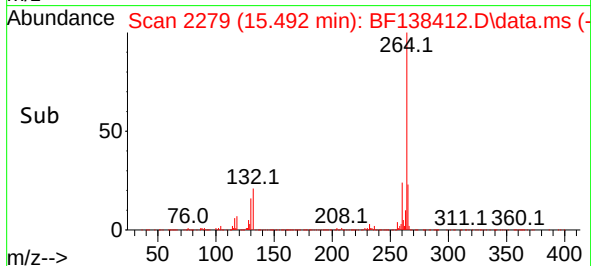
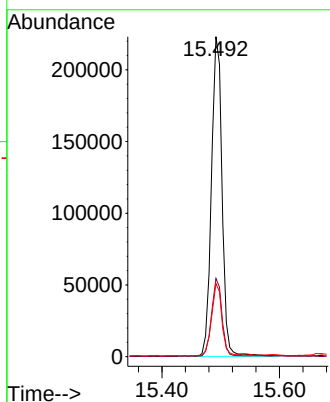
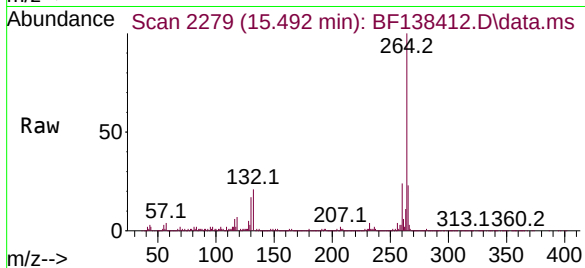
Tgt Ion:264 Resp: 279265

Ion Ratio Lower Upper

264 100

260 24.5 17.8 26.6

265 22.9 17.5 26.3



#88

Benzo(b)fluoranthene

Concen: 6.433 ng

RT: 15.062 min Scan# 2206

Delta R.T. -0.006 min

Lab File: BF138412.D

Acq: 01 Jul 2024 19:35

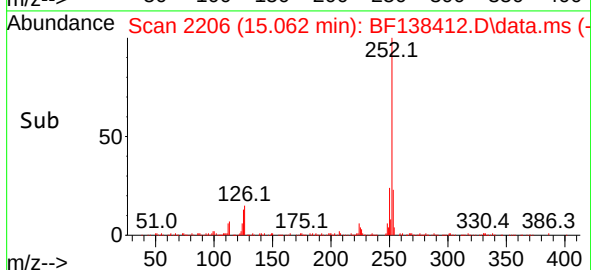
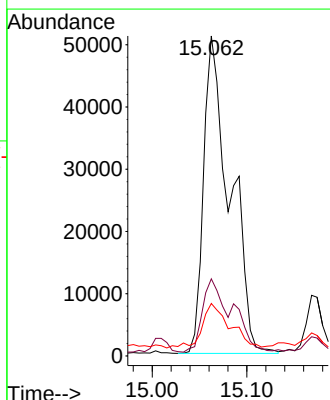
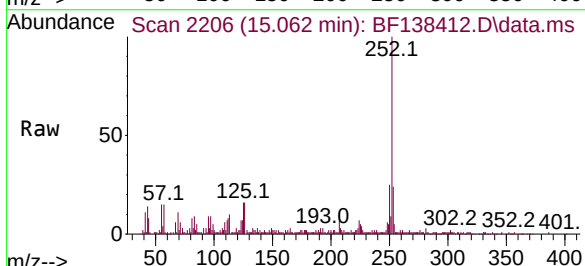
Tgt Ion:252 Resp: 98569

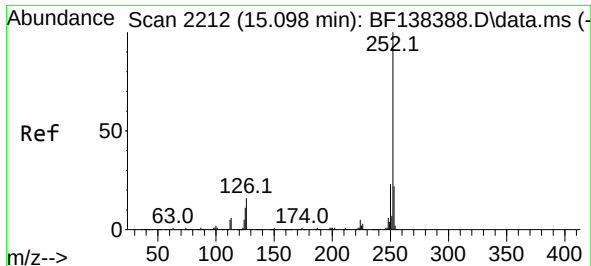
Ion Ratio Lower Upper

252 100

253 24.1 17.0 25.4

125 16.4 8.6 12.8#

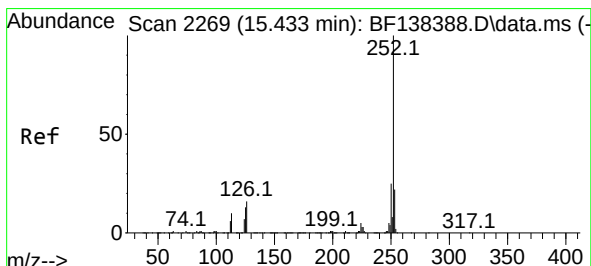
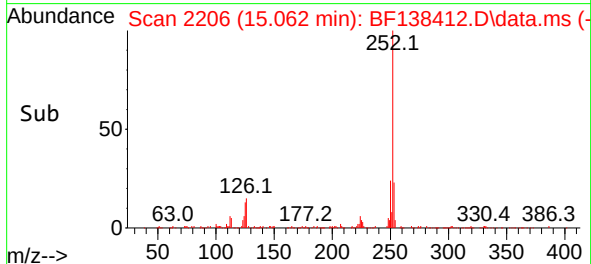
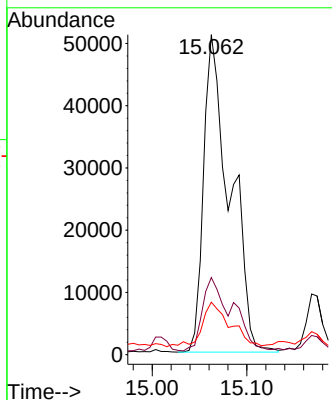
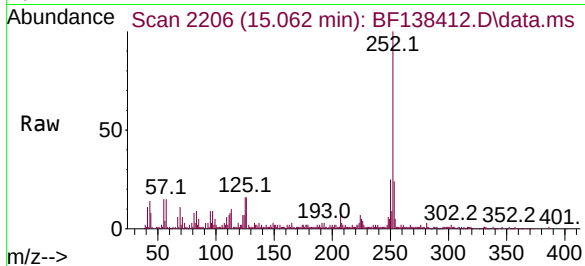




#89
Benzo(k)fluoranthene
Concen: 6.984 ng
RT: 15.062 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF138412.D
Acq: 01 Jul 2024 19:35

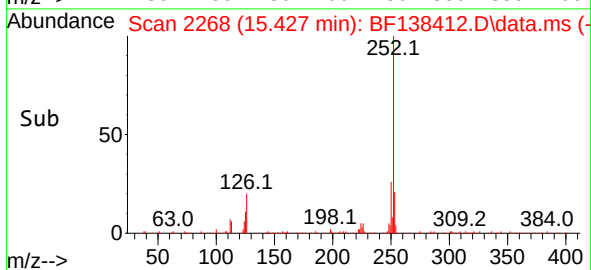
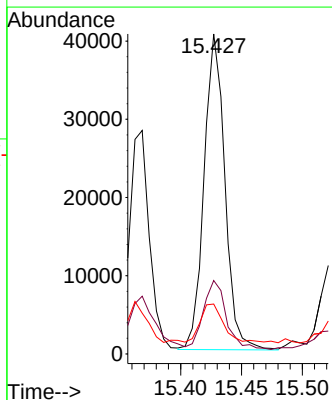
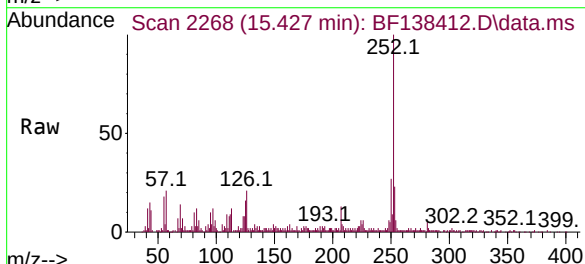
Instrument :
BNA_F
ClientSampleId :
1-W-1

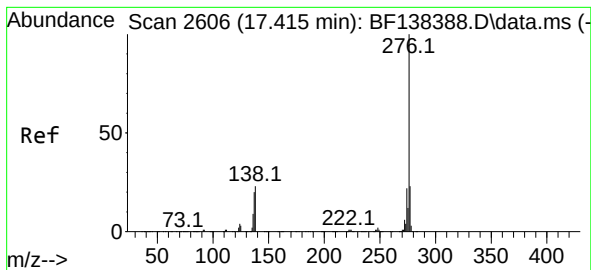
Tgt Ion:252 Resp: 98569
Ion Ratio Lower Upper
252 100
253 24.1 17.4 26.2
125 16.4 8.7 13.1#



#90
Benzo(a)pyrene
Concen: 3.577 ng
RT: 15.427 min Scan# 2268
Delta R.T. -0.006 min
Lab File: BF138412.D
Acq: 01 Jul 2024 19:35

Tgt Ion:252 Resp: 48043
Ion Ratio Lower Upper
252 100
253 23.0 17.6 26.4
125 15.6 10.2 15.2#





#92

Benzo(g,h,i)perylene

Concen: 2.127 ng

RT: 17.398 min Scan# 20

Delta R.T. -0.018 min

Lab File: BF138412.D

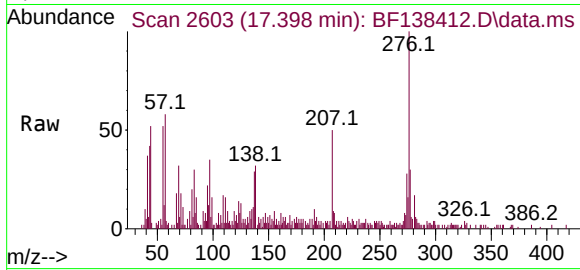
Acq: 01 Jul 2024 19:35

Instrument :

BNA_F

ClientSampleId :

1-W-1



Tgt Ion: 276 Resp: 23572

Ion Ratio Lower Upper

276 100

277 29.5 18.3 27.5#

138 32.0 18.3 27.5#

