

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070124\
 Data File : BF138415.D
 Acq On : 01 Jul 2024 21:05
 Operator : CG\JU
 Sample : P3076-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 7-N-1

Quant Time: Jul 02 01:17:03 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)

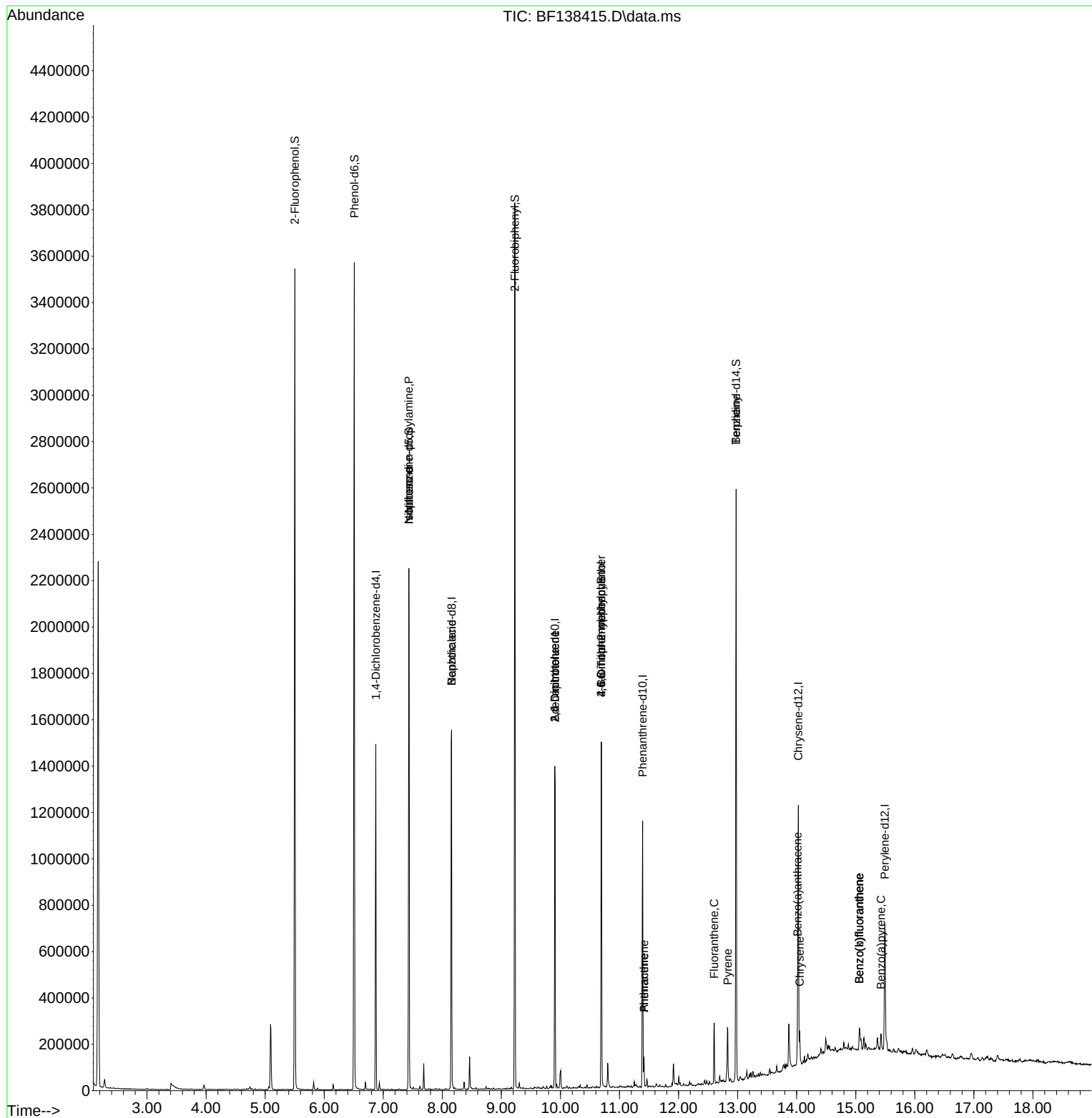
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	177342	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	650167	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	277471	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	379410	20.000	ng	0.00
76) Chrysene-d12	14.027	240	339364	20.000	ng	0.00
86) Perylene-d12	15.492	264	253630	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	824284	77.061	ng	0.00
7) Phenol-d6	6.510	99	1053306	73.100	ng	0.00
23) Nitrobenzene-d5	7.433	82	654875	52.324	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	142553	62.883	ng	-0.01
45) 2-Fluorobiphenyl	9.227	172	977750	56.080	ng	0.00
79) Terphenyl-d14	12.974	244	816962	32.991	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.433	70	87448	9.627	ng	# 77
25) Isophorone	7.433	82	651709	28.240	ng	# 67
32) Benzoic acid	8.157	122	174	4.124	ng	# 1
51) 2,6-Dinitrotoluene	9.904	165	36626	9.171	ng	# 20
57) 2,4-Dinitrotoluene	9.904	165	36626	7.448	ng	# 19
65) 4,6-Dinitro-2-methylph...	10.692	198	399	5.972	ng	# 1
67) 4-Bromophenyl-phenylether	10.692	248	9217	2.260	ng	# 1
71) Phenanthrene	11.416	178	40354	2.178	ng	97
72) Anthracene	11.416	178	40354	2.184	ng	98
75) Fluoranthene	12.604	202	98704	5.943	ng	98
77) Benzidine	12.974	184	10967	4.041	ng	# 92
78) Pyrene	12.833	202	97055	2.676	ng	99
81) Benzo(a)anthracene	14.015	228	55925	2.560	ng	98
83) Chrysene	14.051	228	48579	2.286	ng	94
88) Benzo(b)fluoranthene	15.062	252	65268	4.690	ng	# 90
89) Benzo(k)fluoranthene	15.062	252	65268	5.092	ng	# 91
90) Benzo(a)pyrene	15.427	252	31531	2.585	ng	# 92

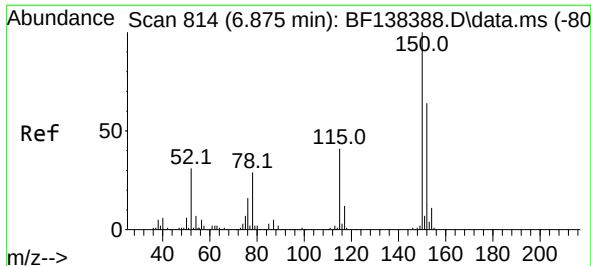
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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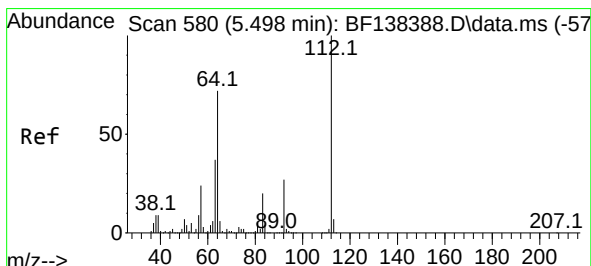
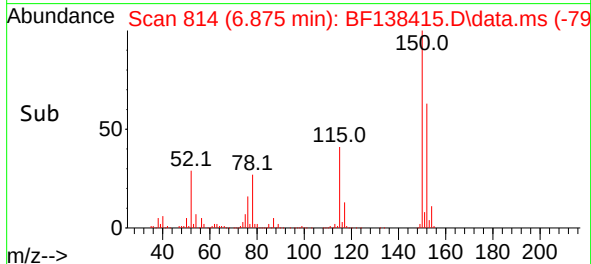
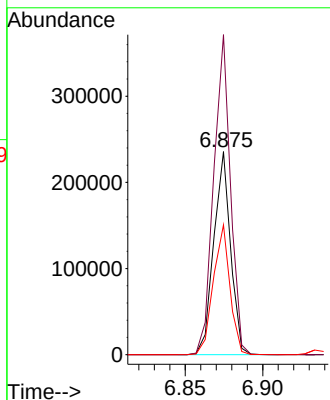
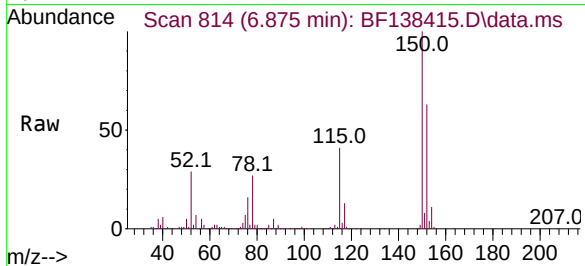




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF138415.D
Acq: 01 Jul 2024 21:05

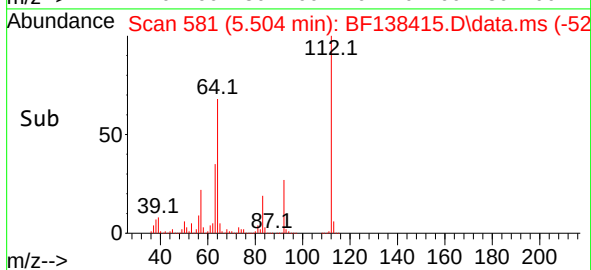
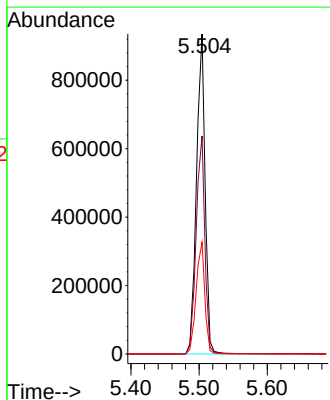
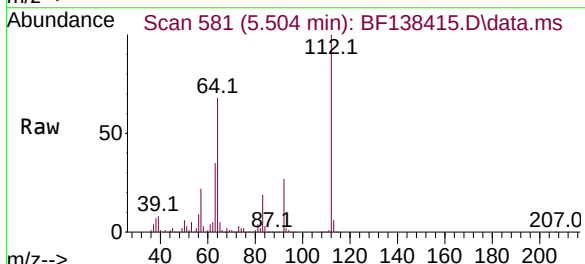
Instrument :
BNA_F
ClientSampleId :
7-N-1

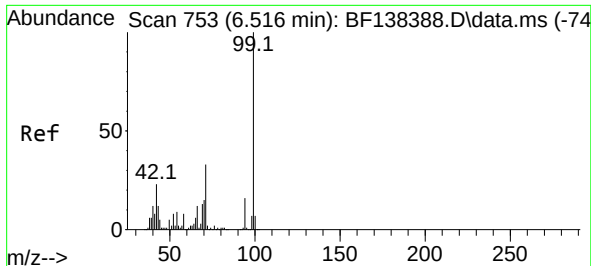
Tgt Ion:152 Resp: 177342
Ion Ratio Lower Upper
152 100
150 157.6 124.9 187.3
115 63.9 50.8 76.2



#5
2-Fluorophenol
Concen: 77.061 ng
RT: 5.504 min Scan# 581
Delta R.T. 0.006 min
Lab File: BF138415.D
Acq: 01 Jul 2024 21:05

Tgt Ion:112 Resp: 824284
Ion Ratio Lower Upper
112 100
64 68.1 57.2 85.8
63 34.9 29.4 44.0

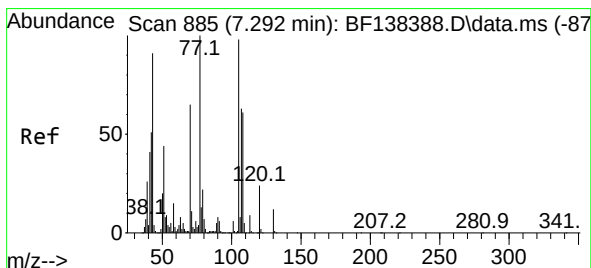
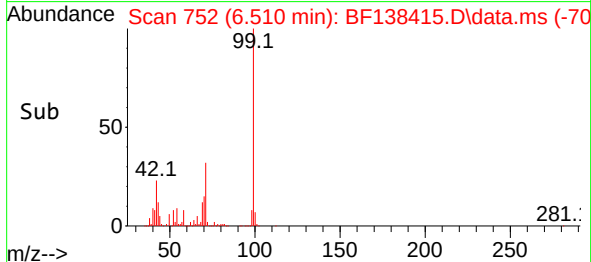
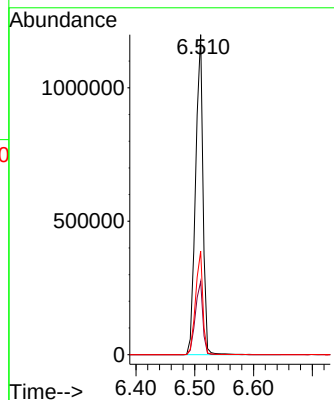
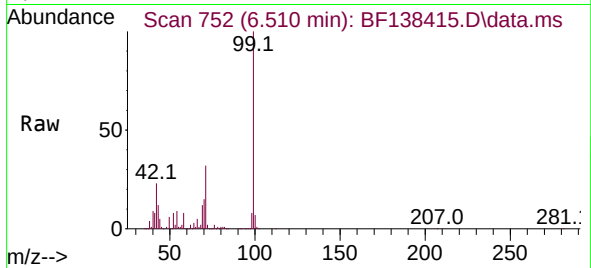




#7
Phenol-d6
Concen: 73.100 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF138415.D
Acq: 01 Jul 2024 21:05

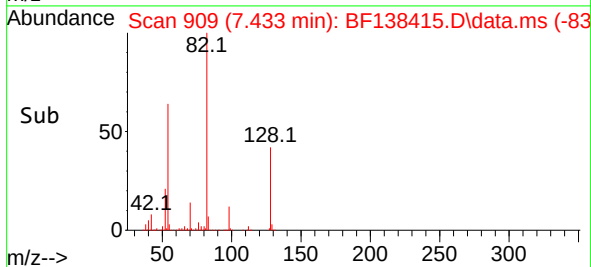
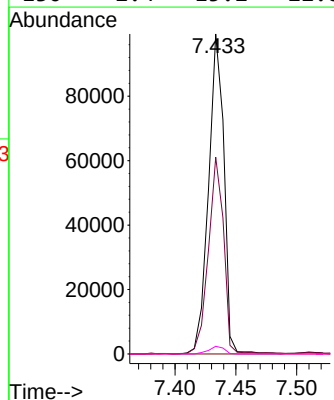
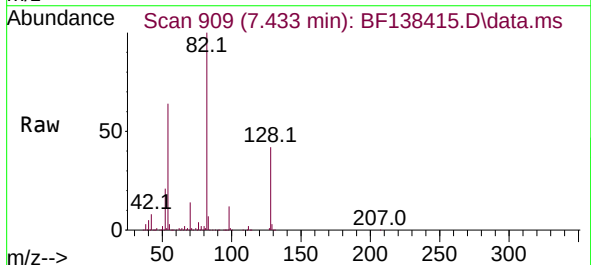
Instrument :
BNA_F
ClientSampleId :
7-N-1

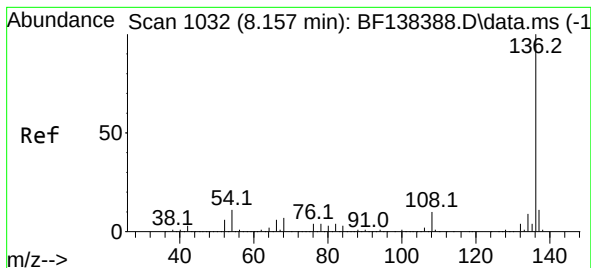
Tgt Ion: 99 Resp: 1053306
Ion Ratio Lower Upper
99 100
42 22.9 18.5 27.7
71 32.4 26.1 39.1



#19
n-Nitroso-di-n-propylamine
Concen: 9.627 ng
RT: 7.433 min Scan# 909
Delta R.T. 0.141 min
Lab File: BF138415.D
Acq: 01 Jul 2024 21:05

Tgt Ion: 70 Resp: 87448
Ion Ratio Lower Upper
70 100
42 61.5 62.5 93.7#
101 0.0 7.0 10.4#
130 2.4 15.2 22.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.157 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF138415.D

Acq: 01 Jul 2024 21:05

Instrument :

BNA_F

ClientSampleId :

7-N-1

Tgt Ion:136 Resp: 650167

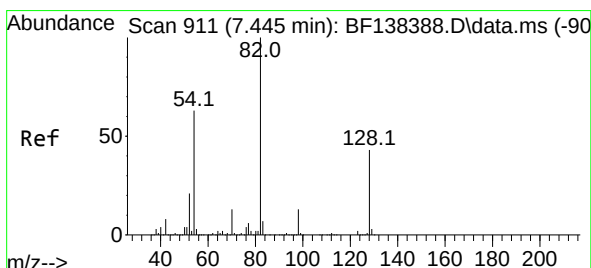
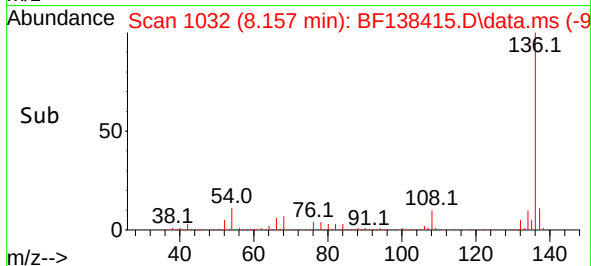
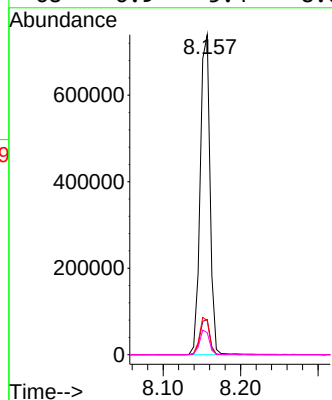
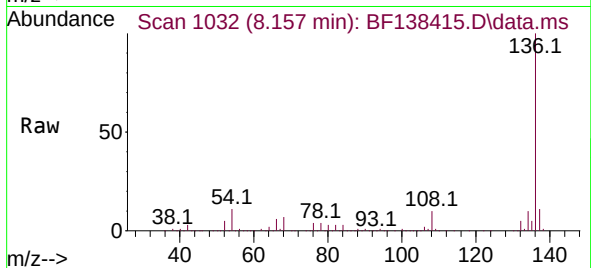
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 10.6 9.0 13.4

68 6.9 5.4 8.0



#23

Nitrobenzene-d5

Concen: 52.324 ng

RT: 7.433 min Scan# 909

Delta R.T. -0.012 min

Lab File: BF138415.D

Acq: 01 Jul 2024 21:05

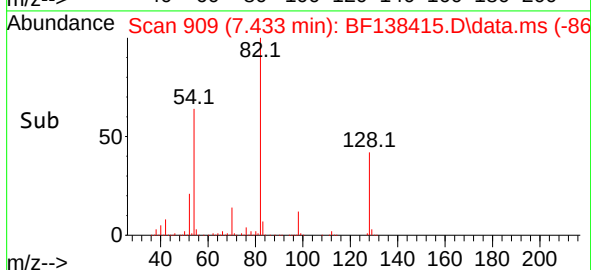
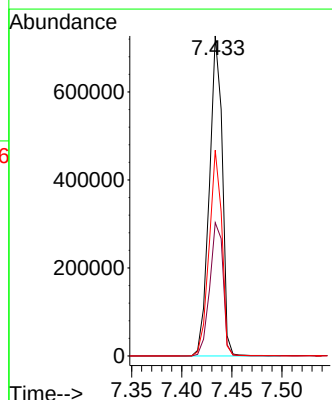
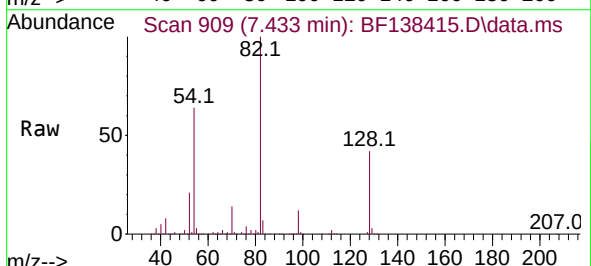
Tgt Ion: 82 Resp: 654875

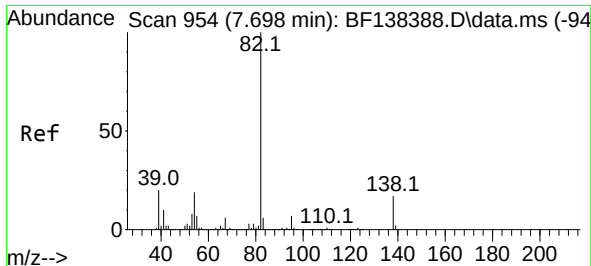
Ion Ratio Lower Upper

82 100

128 41.7 34.6 52.0

54 64.3 50.5 75.7

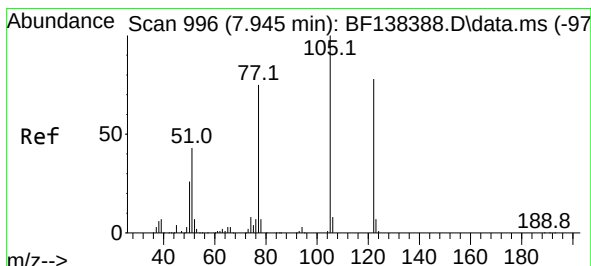
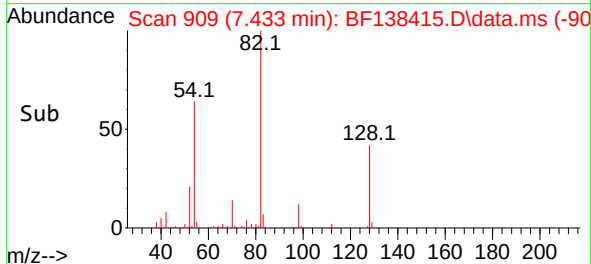
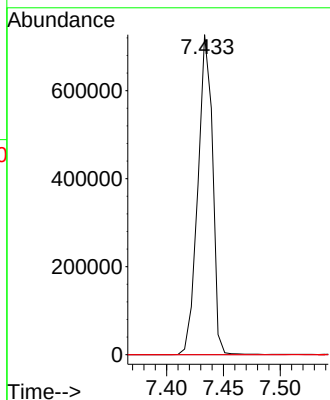
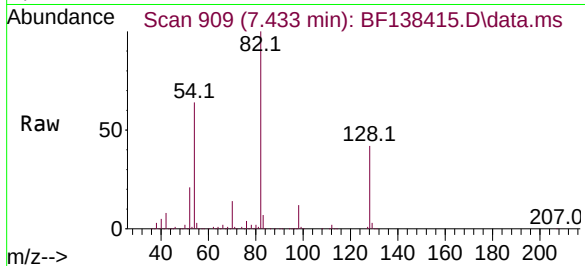




#25
Isophorone
Concen: 28.240 ng
RT: 7.433 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF138415.D
Acq: 01 Jul 2024 21:05

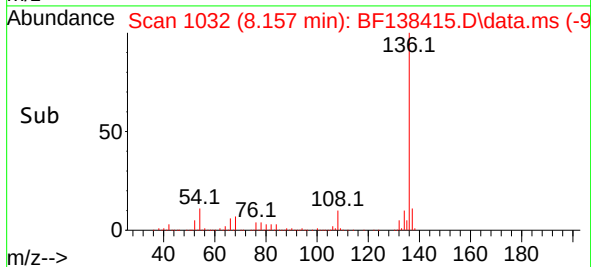
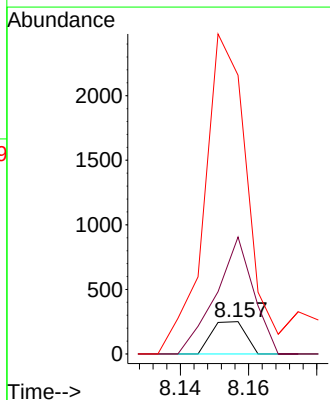
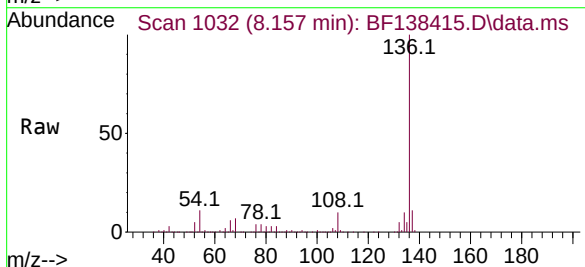
Instrument :
BNA_F
ClientSampleId :
7-N-1

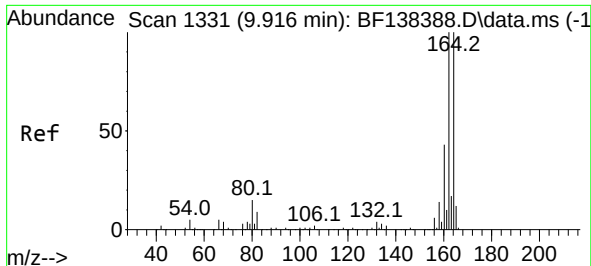
Tgt Ion: 82 Resp: 651709
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.4 20.2#



#32
Benzoic acid
Concen: 4.124 ng
RT: 8.157 min Scan# 1032
Delta R.T. 0.212 min
Lab File: BF138415.D
Acq: 01 Jul 2024 21:05

Tgt Ion:122 Resp: 174
Ion Ratio Lower Upper
122 100
105 362.4 103.8 143.8#
77 863.2 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: BF138415.D

Acq: 01 Jul 2024 21:05

Instrument :

BNA_F

ClientSampleId :

7-N-1

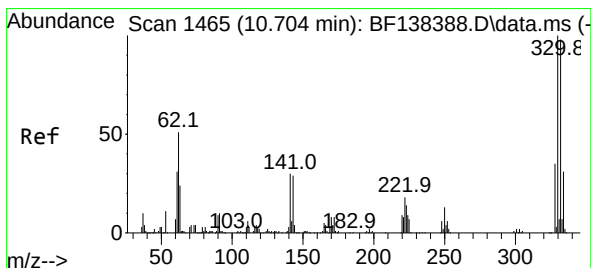
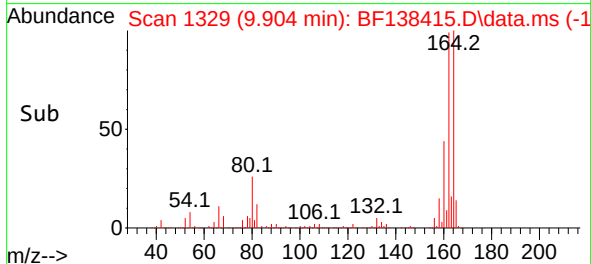
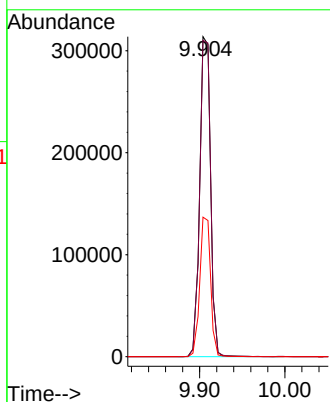
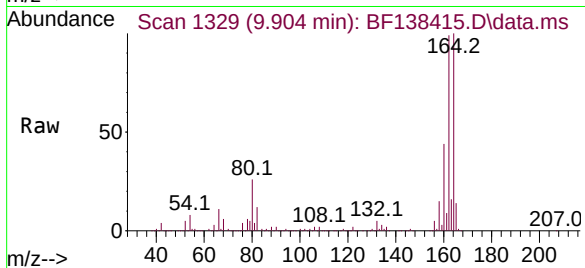
Tgt Ion:164 Resp: 277471

Ion Ratio Lower Upper

164 100

162 98.9 80.1 120.1

160 43.6 34.1 51.1



#42

2,4,6-Tribromophenol

Concen: 62.883 ng

RT: 10.692 min Scan# 1463

Delta R.T. -0.012 min

Lab File: BF138415.D

Acq: 01 Jul 2024 21:05

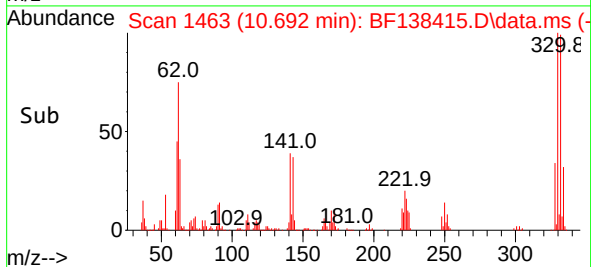
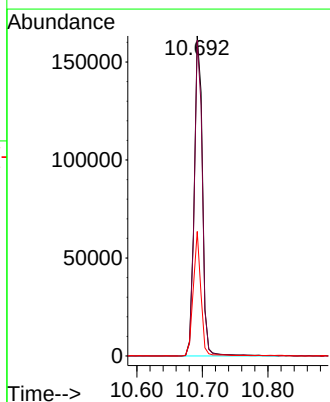
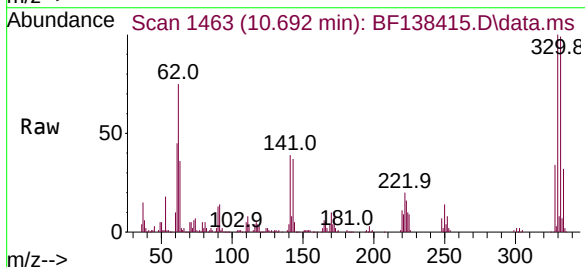
Tgt Ion:330 Resp: 142553

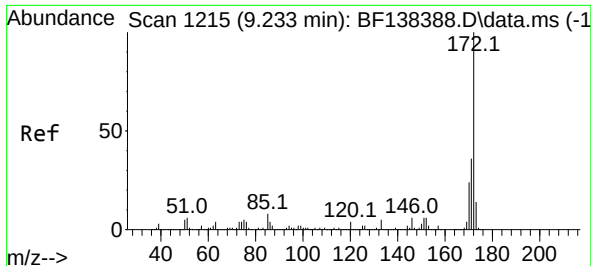
Ion Ratio Lower Upper

330 100

332 96.1 77.0 115.6

141 36.0 28.1 42.1

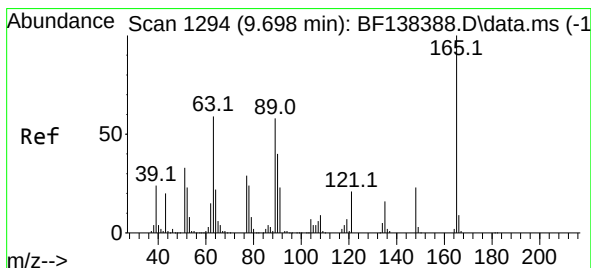
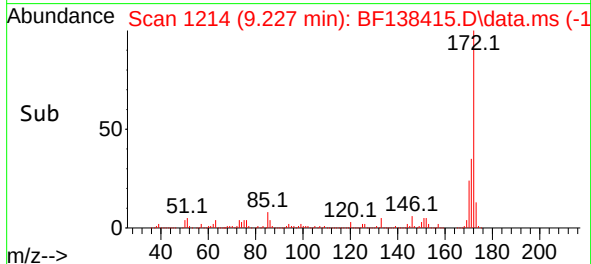
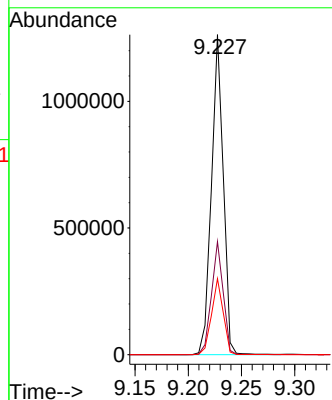
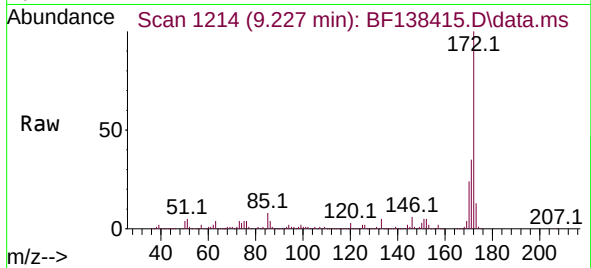




#45
2-Fluorobiphenyl
Concen: 56.080 ng
RT: 9.227 min Scan# 1312
Delta R.T. -0.006 min
Lab File: BF138415.D
Acq: 01 Jul 2024 21:05

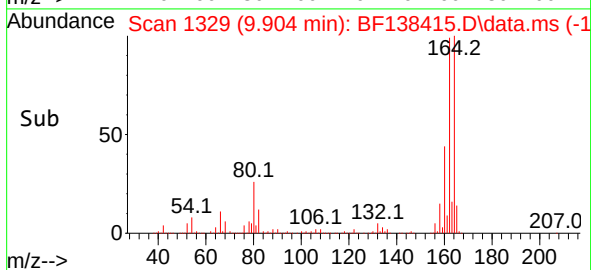
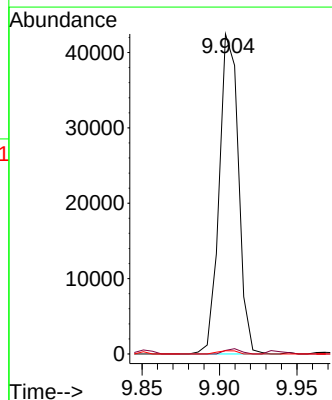
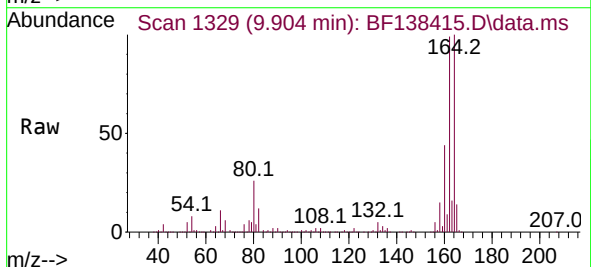
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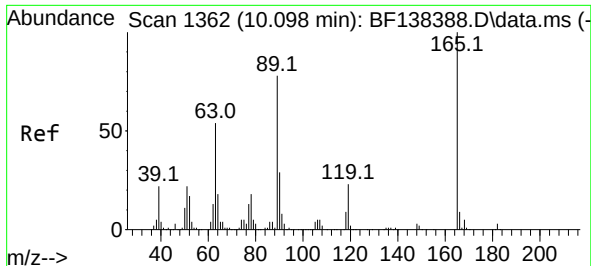
Tgt Ion:172 Resp: 977750
Ion Ratio Lower Upper
172 100
171 35.4 29.0 43.4
170 23.8 19.0 28.6



#51
2,6-Dinitrotoluene
Concen: 9.171 ng
RT: 9.904 min Scan# 1329
Delta R.T. 0.206 min
Lab File: BF138415.D
Acq: 01 Jul 2024 21:05

Tgt Ion:165 Resp: 36626
Ion Ratio Lower Upper
165 100
63 1.1 53.8 80.8#
89 1.0 46.4 69.6#

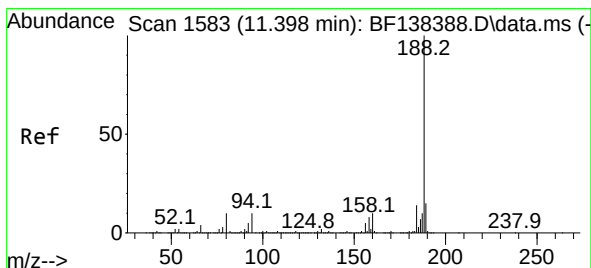
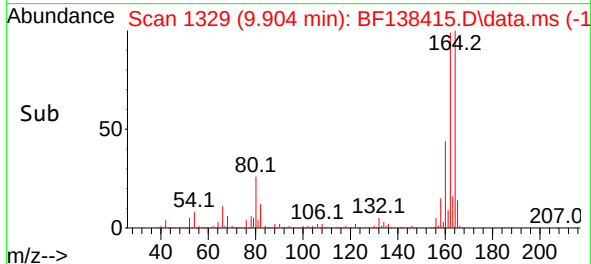
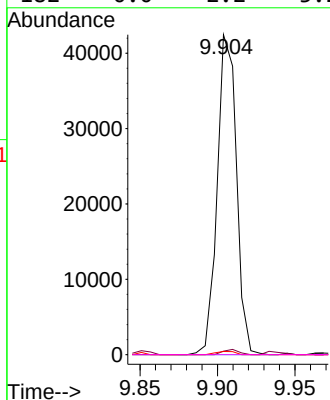
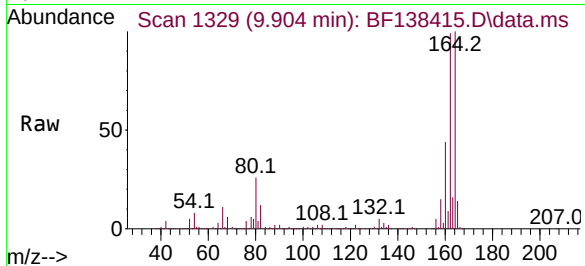




#57
2,4-Dinitrotoluene
Concen: 7.448 ng
RT: 9.904 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF138415.D
Acq: 01 Jul 2024 21:05

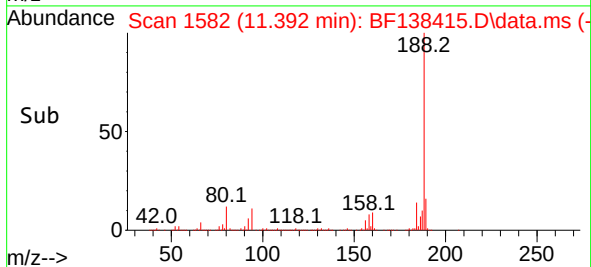
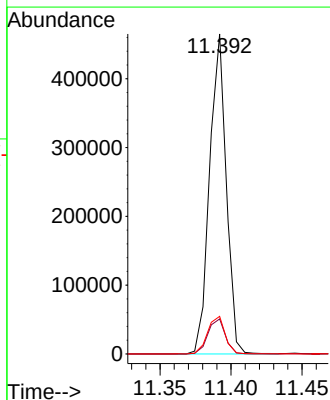
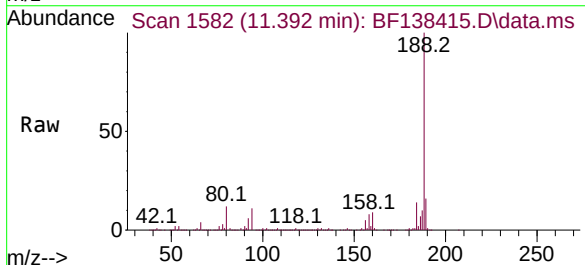
Instrument :
BNA_F
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7-N-1

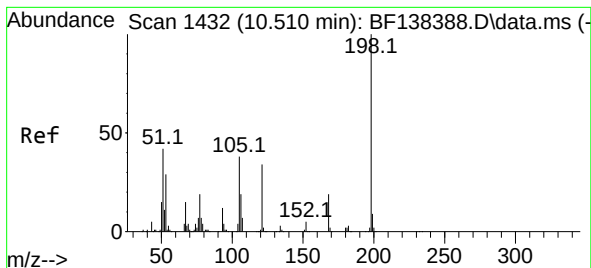
Tgt Ion:165 Resp: 36626
Ion Ratio Lower Upper
165 100
63 1.1 43.4 65.2#
89 1.0 62.6 93.8#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF138415.D
Acq: 01 Jul 2024 21:05

Tgt Ion:188 Resp: 379410
Ion Ratio Lower Upper
188 100
94 10.9 8.0 12.0
80 11.7 8.2 12.4

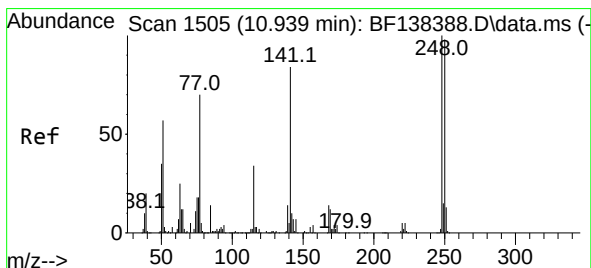
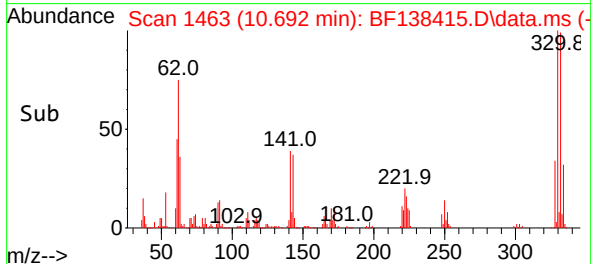
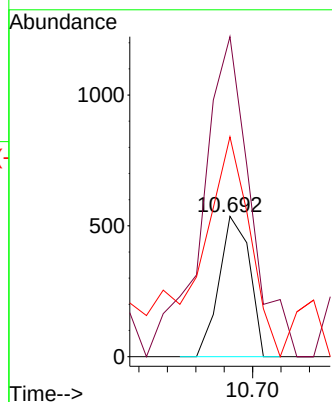
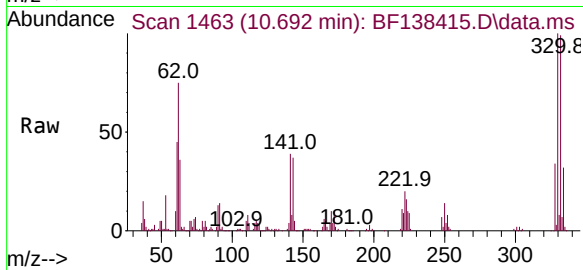




#65
4,6-Dinitro-2-methylphenol
Concen: 5.972 ng
RT: 10.692 min Scan# 1463
Delta R.T. 0.182 min
Lab File: BF138415.D
Acq: 01 Jul 2024 21:05

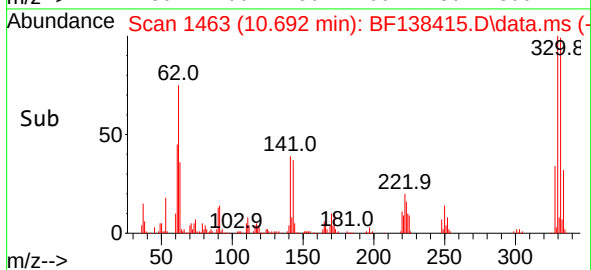
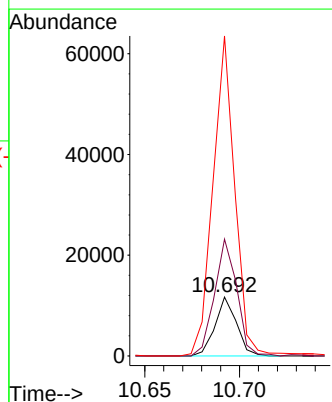
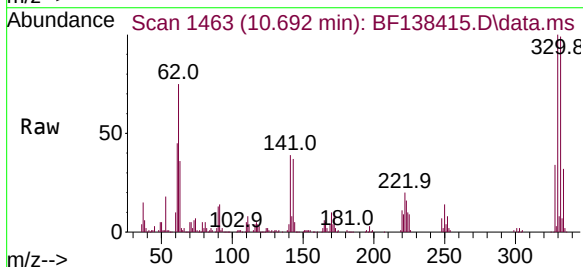
Instrument :
BNA_F
ClientSampleId :
7-N-1

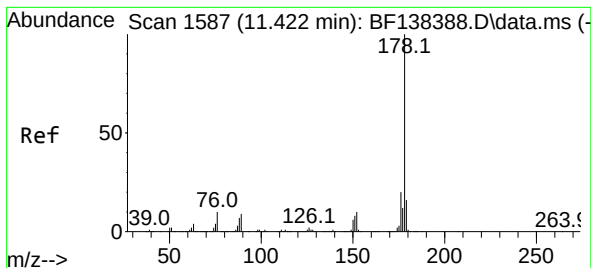
Tgt Ion:198 Resp: 399
Ion Ratio Lower Upper
198 100
51 228.2 27.9 67.9#
105 156.7 18.2 58.2#



#67
4-Bromophenyl-phenylether
Concen: 2.260 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.247 min
Lab File: BF138415.D
Acq: 01 Jul 2024 21:05

Tgt Ion:248 Resp: 9217
Ion Ratio Lower Upper
248 100
250 198.5 78.2 117.4#
141 544.0 67.6 101.4#





#71

Phenanthrene

Concen: 2.178 ng

RT: 11.416 min Scan# 1586

Delta R.T. -0.006 min

Lab File: BF138415.D

Acq: 01 Jul 2024 21:05

Instrument :

BNA_F

ClientSampleId :

7-N-1

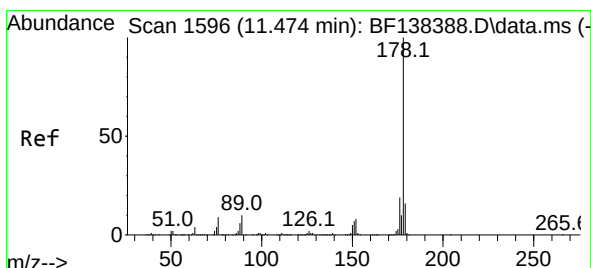
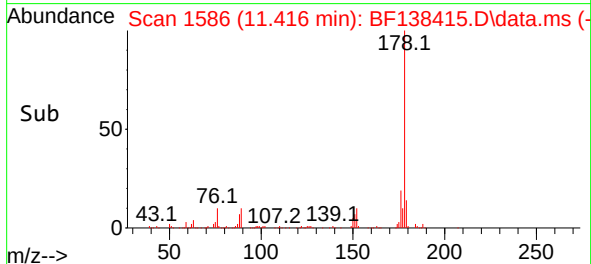
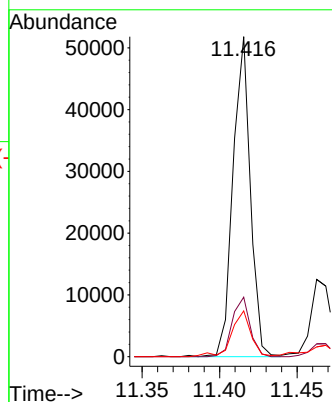
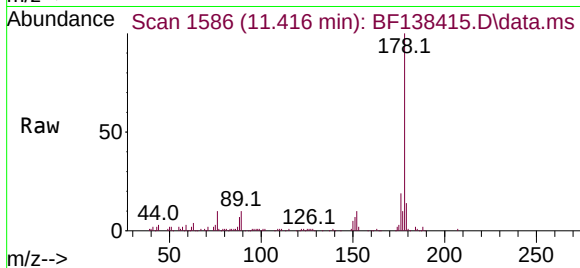
Tgt Ion:178 Resp: 40354

Ion Ratio Lower Upper

178 100

176 18.6 16.1 24.1

179 14.3 12.6 18.8



#72

Anthracene

Concen: 2.184 ng

RT: 11.416 min Scan# 1586

Delta R.T. -0.058 min

Lab File: BF138415.D

Acq: 01 Jul 2024 21:05

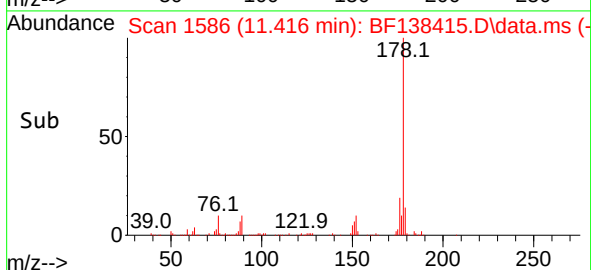
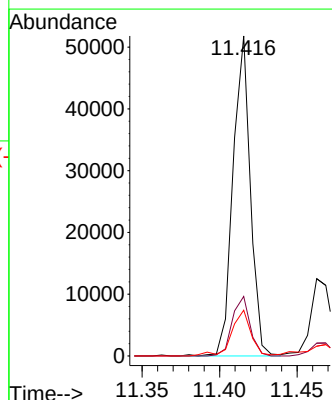
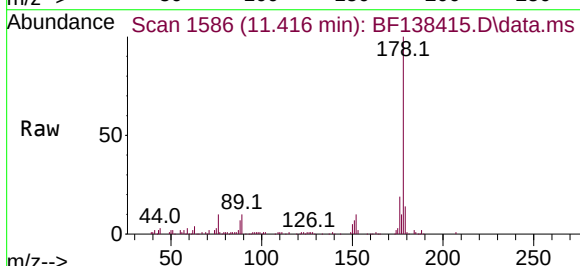
Tgt Ion:178 Resp: 40354

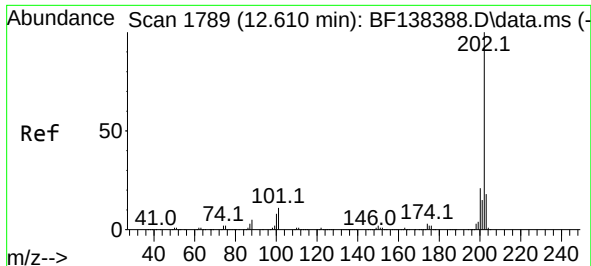
Ion Ratio Lower Upper

178 100

176 18.6 15.0 22.6

179 14.3 12.7 19.1

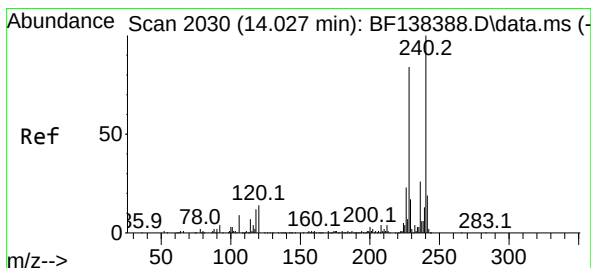
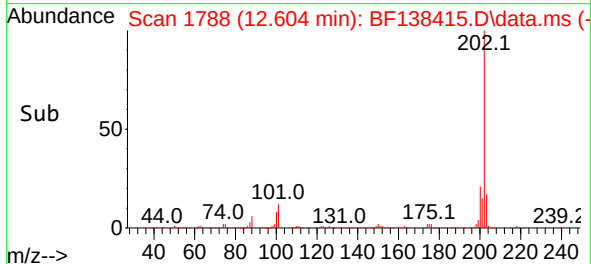
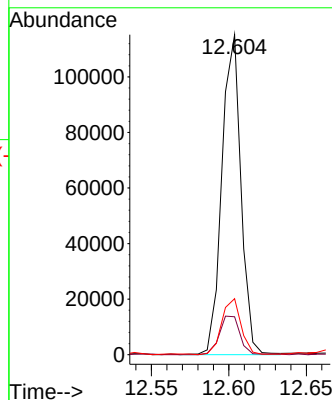
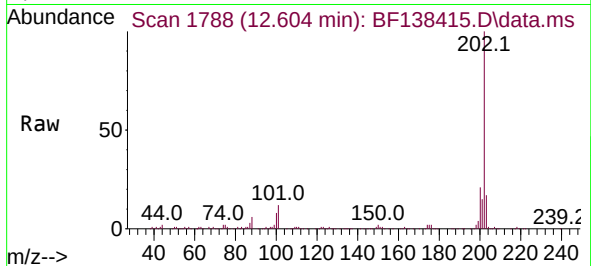




#75
Fluoranthene
Concen: 5.943 ng
RT: 12.604 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138415.D
Acq: 01 Jul 2024 21:05

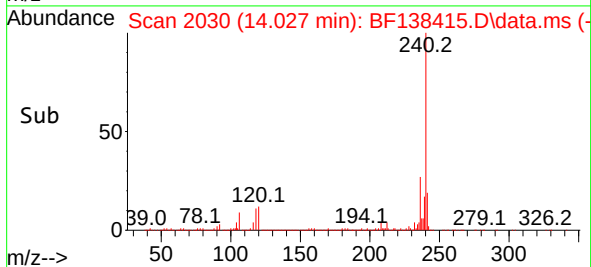
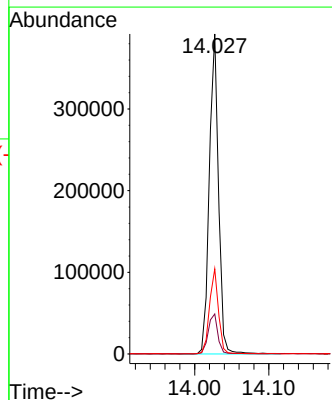
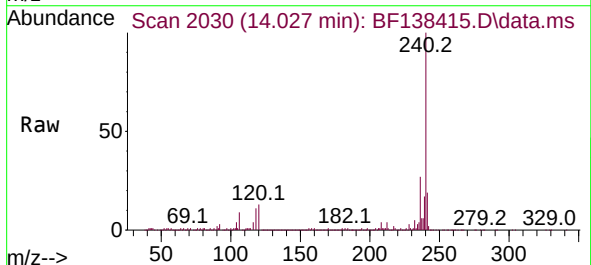
Instrument :
BNA_F
ClientSampleId :
7-N-1

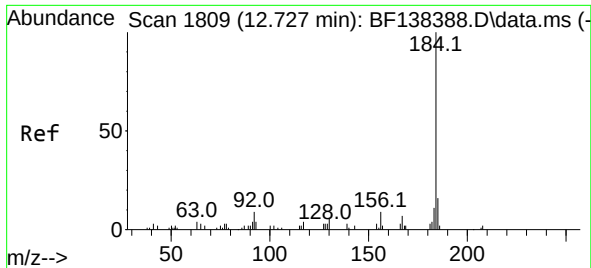
Tgt Ion:202 Resp: 98704
Ion Ratio Lower Upper
202 100
101 11.9 0.0 30.5
203 17.5 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BF138415.D
Acq: 01 Jul 2024 21:05

Tgt Ion:240 Resp: 339364
Ion Ratio Lower Upper
240 100
120 12.5 10.9 16.3
236 26.6 20.6 30.8

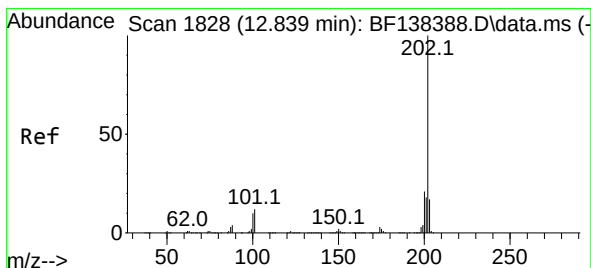
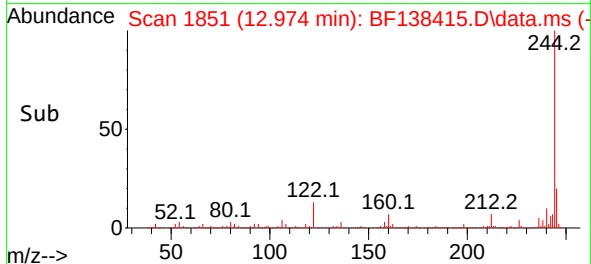
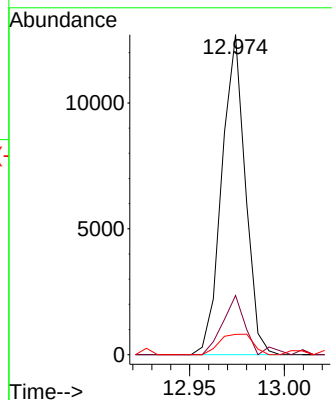
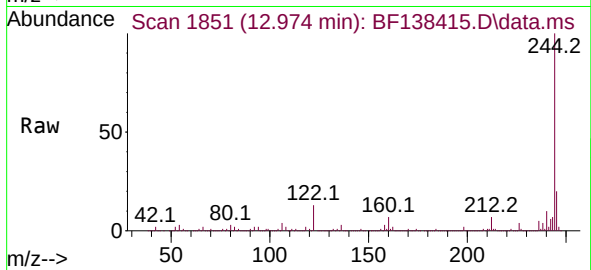




#77
Benzidine
Concen: 4.041 ng
RT: 12.974 min Scan# 1851
Delta R.T. 0.247 min
Lab File: BF138415.D
Acq: 01 Jul 2024 21:05

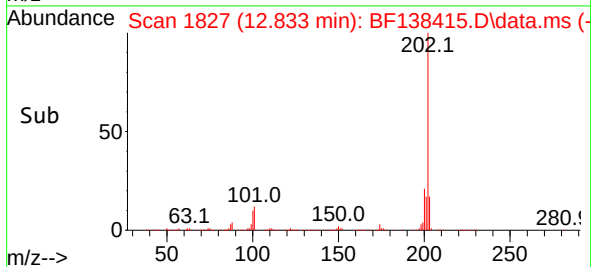
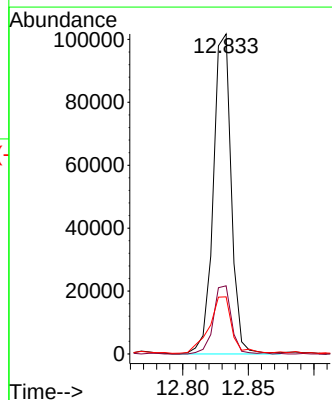
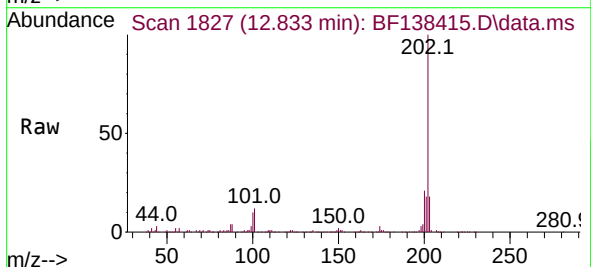
Instrument :
BNA_F
ClientSampleId :
7-N-1

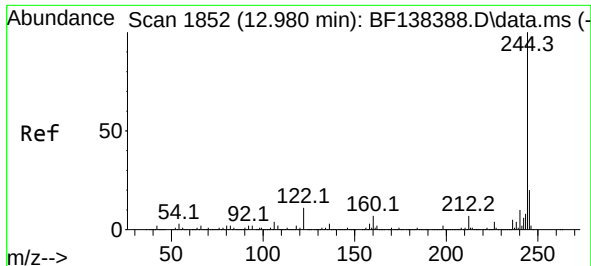
Tgt Ion:184 Resp: 10967
Ion Ratio Lower Upper
184 100
185 18.5 13.0 19.4
183 6.4 9.0 13.6#



#78
Pyrene
Concen: 2.676 ng
RT: 12.833 min Scan# 1827
Delta R.T. -0.006 min
Lab File: BF138415.D
Acq: 01 Jul 2024 21:05

Tgt Ion:202 Resp: 97055
Ion Ratio Lower Upper
202 100
200 21.3 16.9 25.3
203 17.8 13.8 20.8

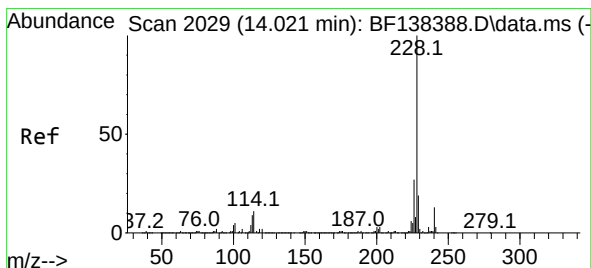
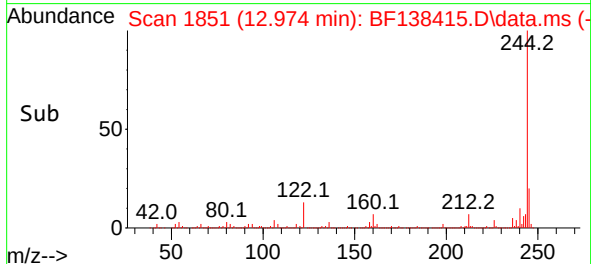
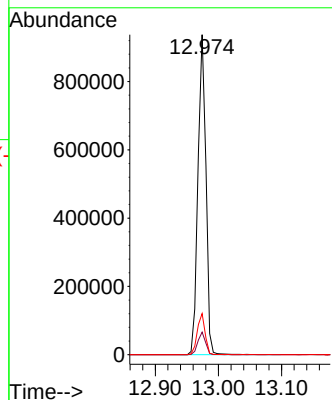
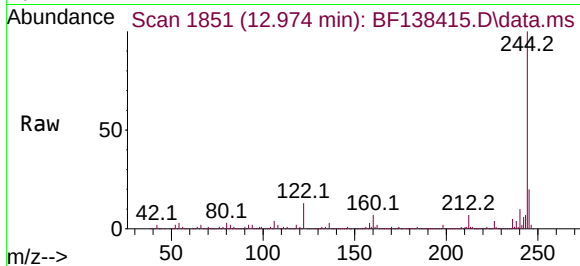




#79
 Terphenyl-d14
 Concen: 32.991 ng
 RT: 12.974 min Scan# 1851
 Delta R.T. -0.006 min
 Lab File: BF138415.D
 Acq: 01 Jul 2024 21:05

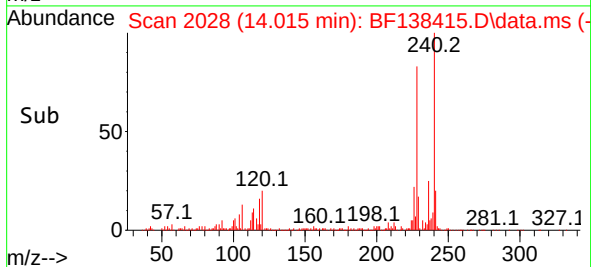
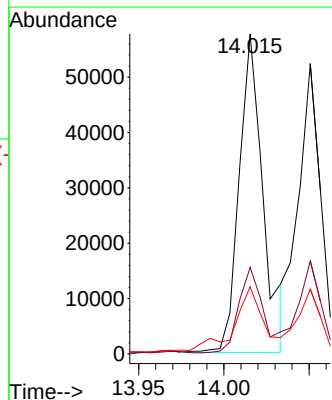
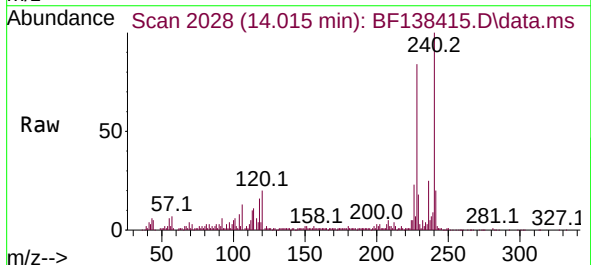
Instrument :
 BNA_F
 ClientSampleId :
 7-N-1

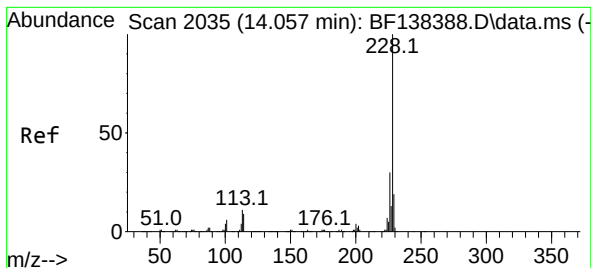
Tgt Ion:244 Resp: 816962
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.6 8.4
 122 12.8 9.0 13.4



#81
 Benzo(a)anthracene
 Concen: 2.560 ng
 RT: 14.015 min Scan# 2028
 Delta R.T. -0.006 min
 Lab File: BF138415.D
 Acq: 01 Jul 2024 21:05

Tgt Ion:228 Resp: 55925
 Ion Ratio Lower Upper
 228 100
 226 27.1 21.7 32.5
 229 21.0 15.5 23.3





#83

Chrysene

Concen: 2.286 ng

RT: 14.051 min Scan# 2034

Delta R.T. -0.006 min

Lab File: BF138415.D

Acq: 01 Jul 2024 21:05

Instrument :

BNA_F

ClientSampleId :

7-N-1

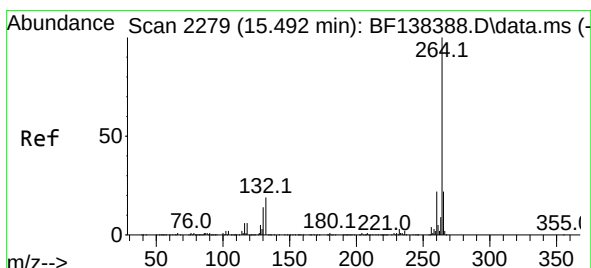
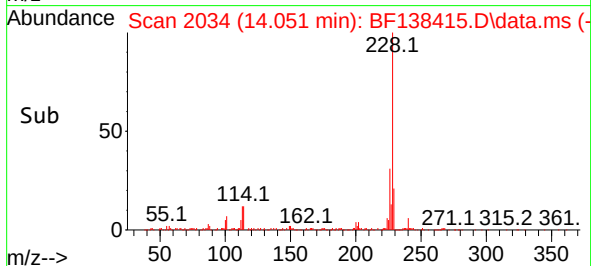
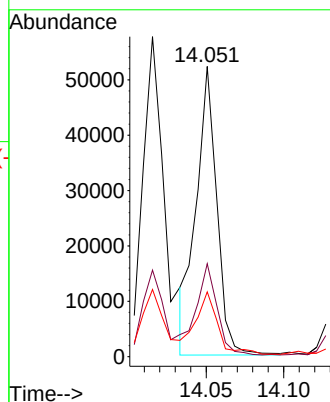
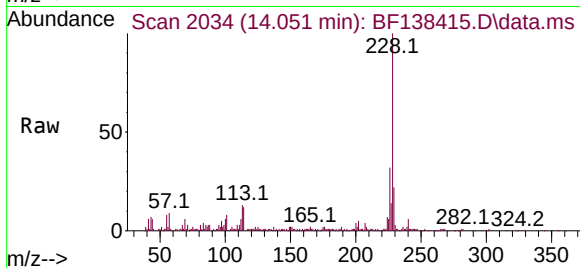
Tgt Ion:228 Resp: 48579

Ion Ratio Lower Upper

228 100

226 32.0 23.8 35.6

229 22.3 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: BF138415.D

Acq: 01 Jul 2024 21:05

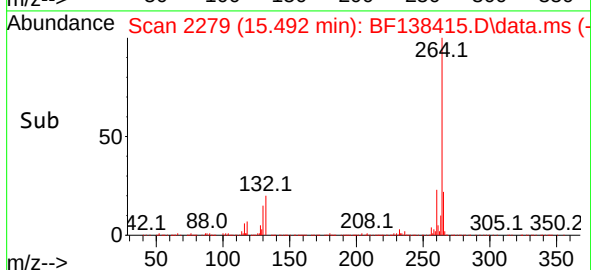
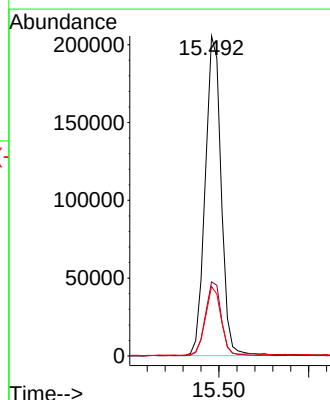
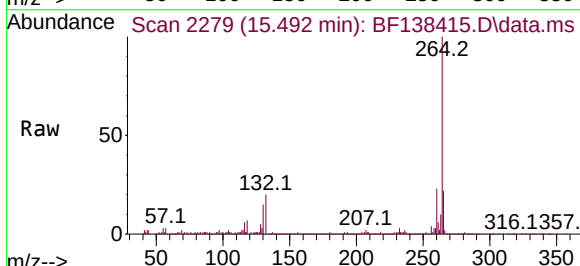
Tgt Ion:264 Resp: 253630

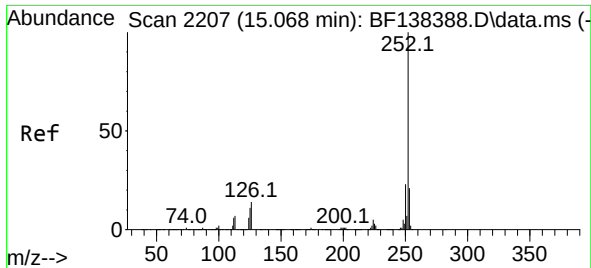
Ion Ratio Lower Upper

264 100

260 23.2 17.8 26.6

265 21.7 17.5 26.3

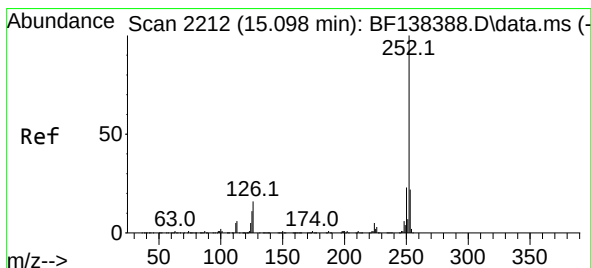
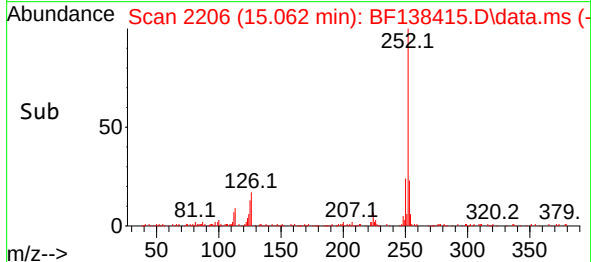
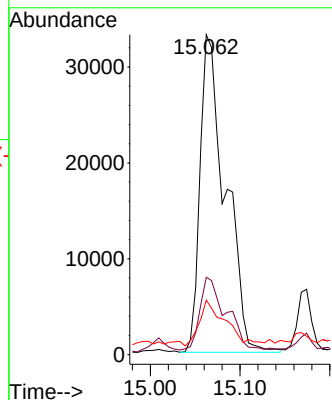
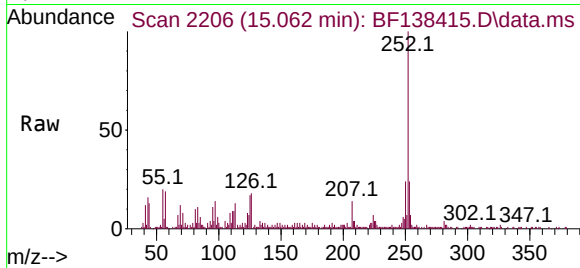




#88
Benzo(b)fluoranthene
Concen: 4.690 ng
RT: 15.062 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF138415.D
Acq: 01 Jul 2024 21:05

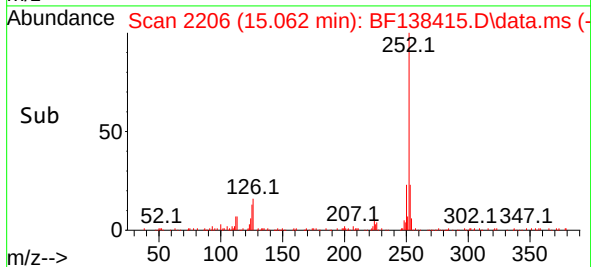
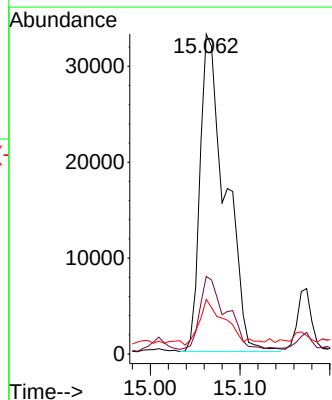
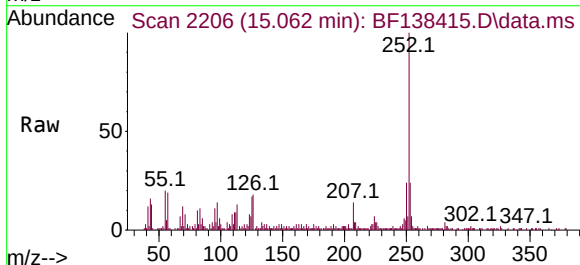
Instrument :
BNA_F
ClientSampleId :
7-N-1

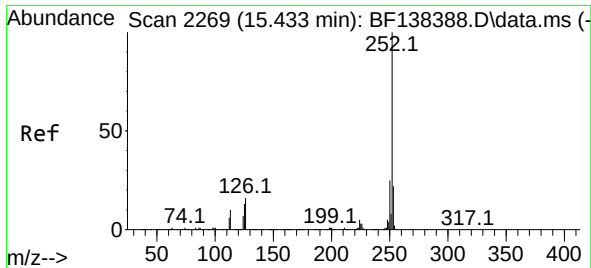
Tgt Ion:252 Resp: 65268
Ion Ratio Lower Upper
252 100
253 24.2 17.0 25.4
125 17.1 8.6 12.8#



#89
Benzo(k)fluoranthene
Concen: 5.092 ng
RT: 15.062 min Scan# 2206
Delta R.T. -0.035 min
Lab File: BF138415.D
Acq: 01 Jul 2024 21:05

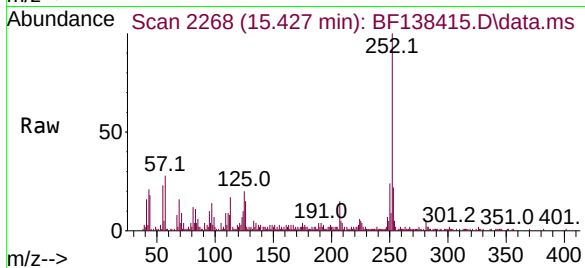
Tgt Ion:252 Resp: 65268
Ion Ratio Lower Upper
252 100
253 24.2 17.4 26.2
125 17.1 8.7 13.1#





#90
Benzo(a)pyrene
Concen: 2.585 ng
RT: 15.427 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF138415.D
Acq: 01 Jul 2024 21:05

Instrument :
BNA_F
ClientSampleId :
7-N-1



Tgt Ion:252 Resp: 31531
Ion Ratio Lower Upper
252 100
253 22.3 17.6 26.4
125 20.4 10.2 15.2#

