

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070324\
 Data File : BF138447.D
 Acq On : 03 Jul 2024 15:42
 Operator : CG\JU
 Sample : P3141-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-140-SB01

Quant Time: Jul 03 16:04:53 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)

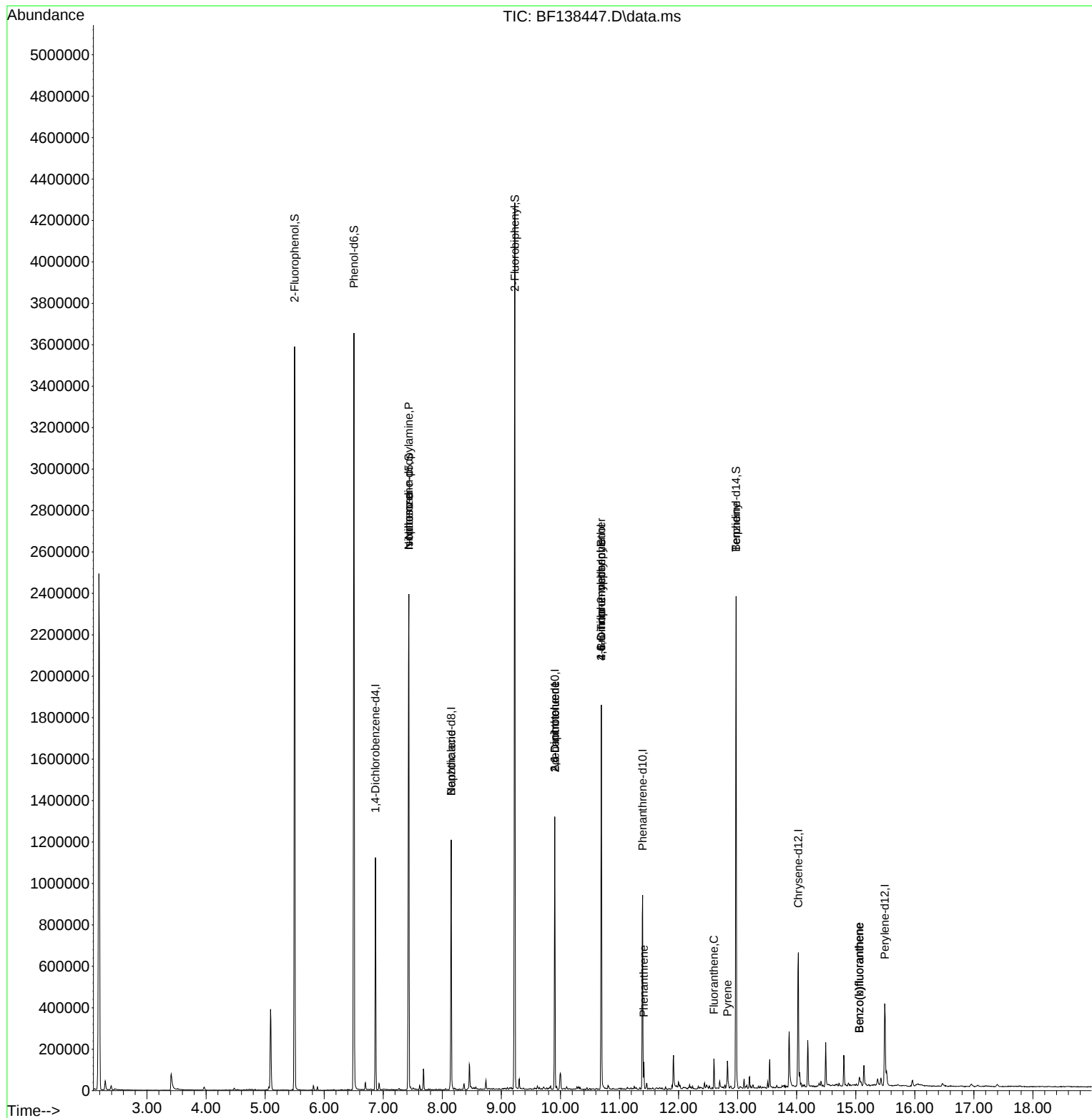
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	140566	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	463996	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	240476	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	330929	20.000	ng	0.00
76) Chrysene-d12	14.027	240	201067	20.000	ng	# 0.00
86) Perylene-d12	15.492	264	178265	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	888922	104.847	ng	0.00
7) Phenol-d6	6.504	99	1183654	103.638	ng	-0.01
23) Nitrobenzene-d5	7.433	82	746549	83.582	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	179987	91.610	ng	-0.01
45) 2-Fluorobiphenyl	9.227	172	1217947	80.603	ng	0.00
79) Terphenyl-d14	12.974	244	750111	51.126	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.433	70	97203	13.500	ng	# 77
25) Isophorone	7.433	82	743543	45.146	ng	# 67
32) Benzoic acid	8.151	122	71	4.113	ng	# 1
51) 2,6-Dinitrotoluene	9.904	165	30889	8.924	ng	# 21
57) 2,4-Dinitrotoluene	9.904	165	30889	7.248	ng	# 19
65) 4,6-Dinitro-2-methylph...	10.692	198	422	6.009	ng	# 1
67) 4-Bromophenyl-phenylether	10.692	248	12366	3.476	ng	# 1
71) Phenanthrene	11.410	178	39749	2.460	ng	96
75) Fluoranthene	12.598	202	49816	3.439	ng	97
77) Benzidine	12.974	184	9987	6.212	ng	# 94
78) Pyrene	12.827	202	52670	2.451	ng	99
88) Benzo(b)fluoranthene	15.062	252	28714	2.936	ng	# 91
89) Benzo(k)fluoranthene	15.062	252	28714	3.187	ng	# 92

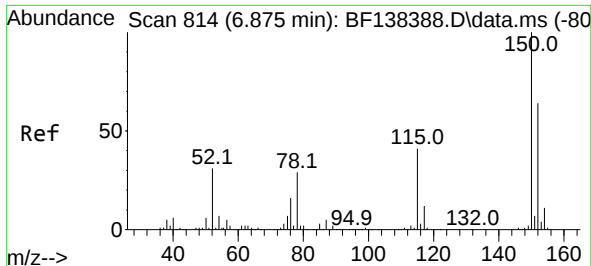
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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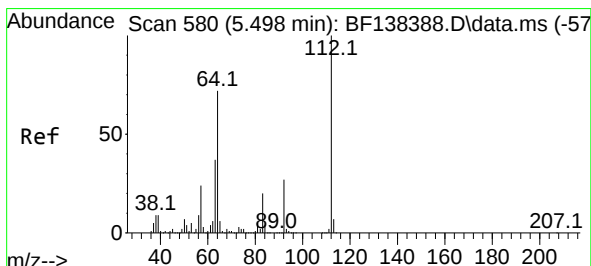
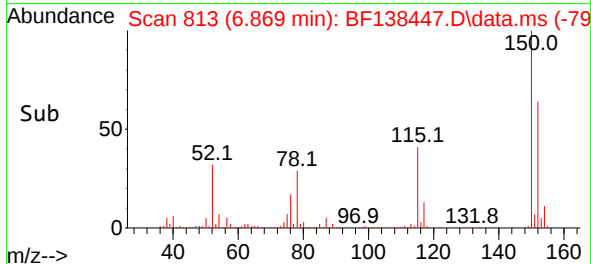
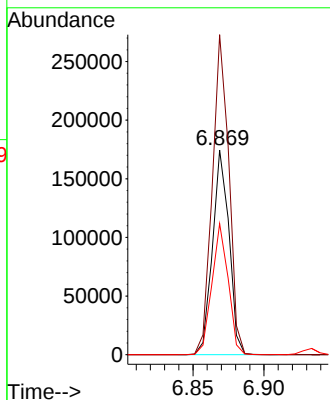
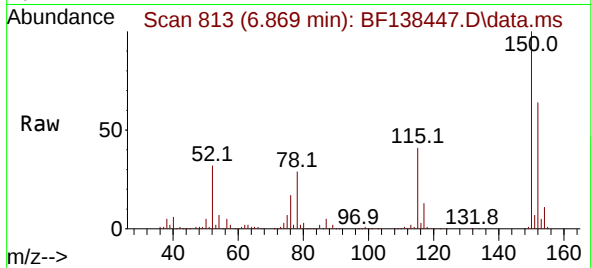




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF138447.D
Acq: 03 Jul 2024 15:42

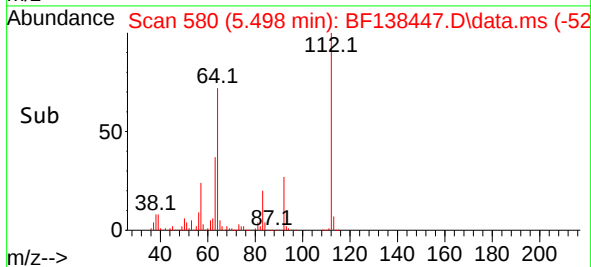
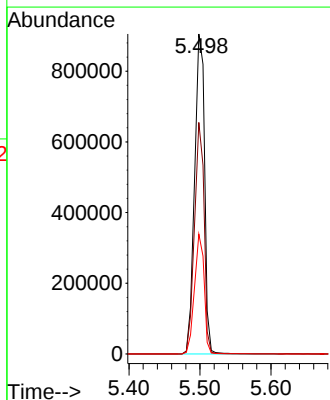
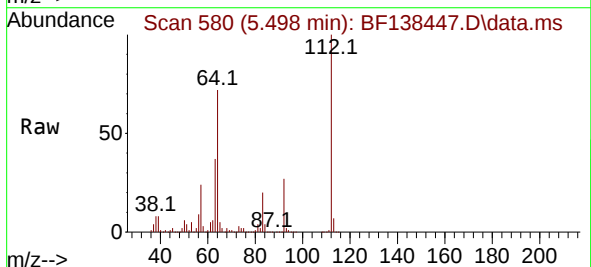
Instrument :
BNA_F
ClientSampleId :
B-140-SB01

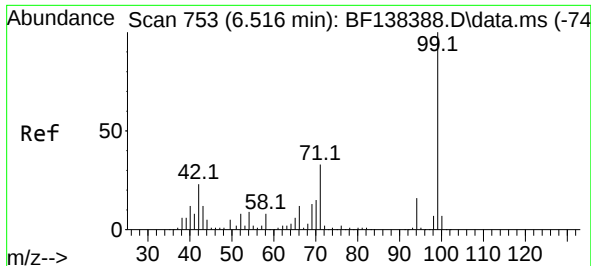
Tgt Ion:152 Resp: 140566
Ion Ratio Lower Upper
152 100
150 156.3 124.9 187.3
115 64.0 50.8 76.2



#5
2-Fluorophenol
Concen: 104.847 ng
RT: 5.498 min Scan# 580
Delta R.T. -0.000 min
Lab File: BF138447.D
Acq: 03 Jul 2024 15:42

Tgt Ion:112 Resp: 888922
Ion Ratio Lower Upper
112 100
64 72.3 57.2 85.8
63 37.4 29.4 44.0

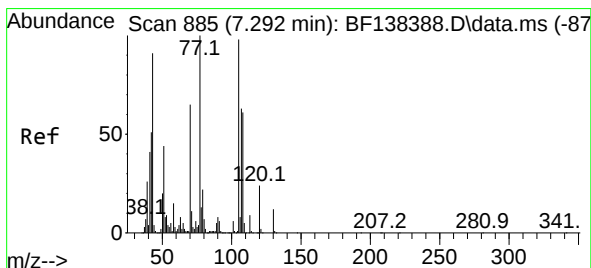
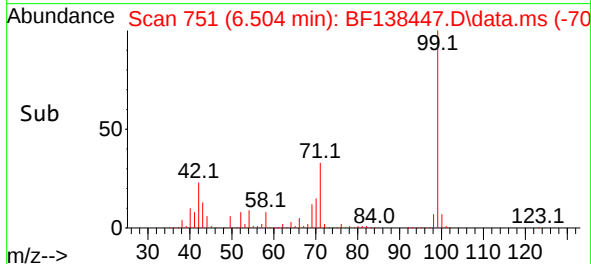
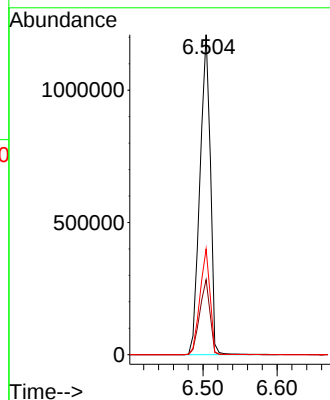
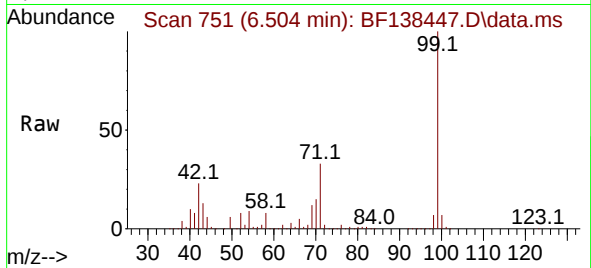




#7
Phenol-d6
Concen: 103.638 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF138447.D
Acq: 03 Jul 2024 15:42

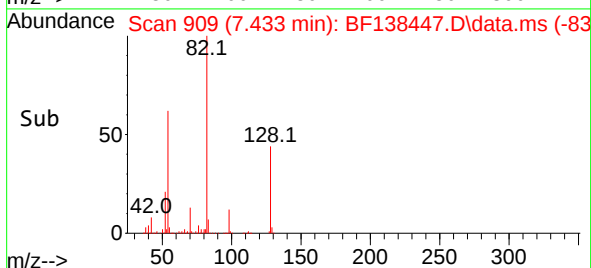
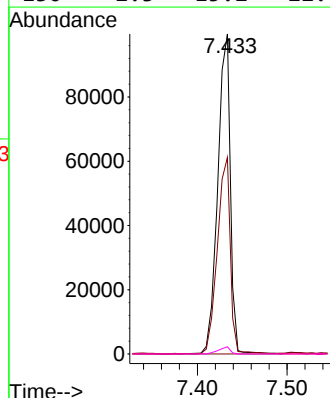
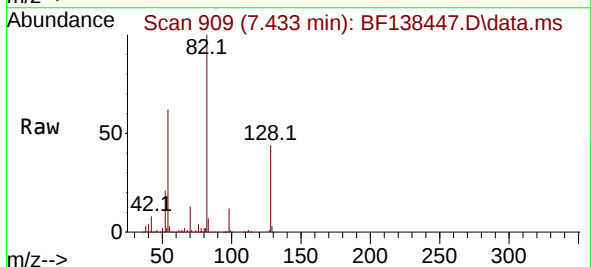
Instrument :
BNA_F
ClientSampleId :
B-140-SB01

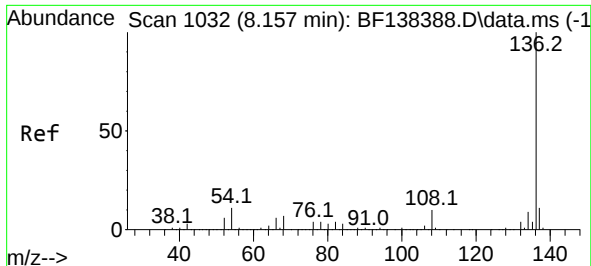
Tgt Ion: 99 Resp: 1183654
Ion Ratio Lower Upper
99 100
42 23.5 18.5 27.7
71 33.1 26.1 39.1



#19
n-Nitroso-di-n-propylamine
Concen: 13.500 ng
RT: 7.433 min Scan# 909
Delta R.T. 0.141 min
Lab File: BF138447.D
Acq: 03 Jul 2024 15:42

Tgt Ion: 70 Resp: 97203
Ion Ratio Lower Upper
70 100
42 61.4 62.5 93.7#
101 0.0 7.0 10.4#
130 2.3 15.2 22.8#

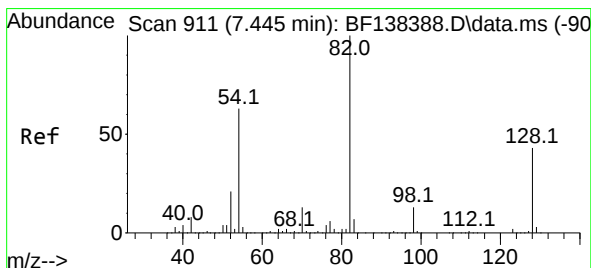
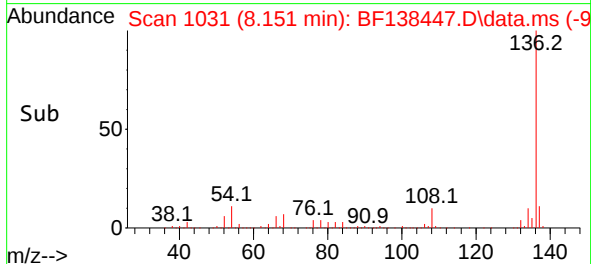
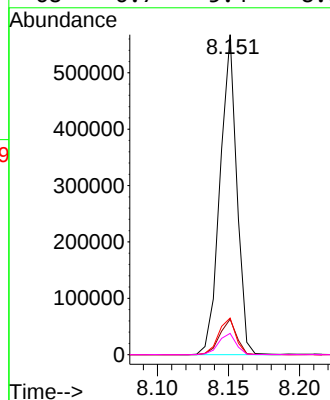
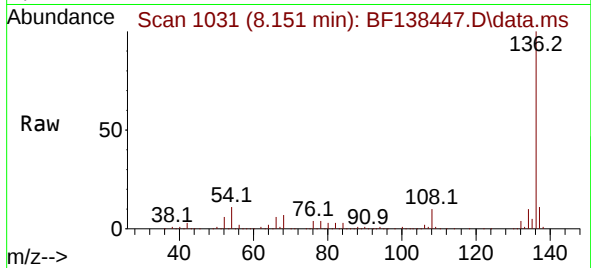




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138447.D
Acq: 03 Jul 2024 15:42

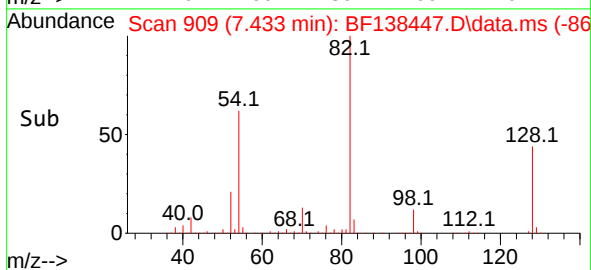
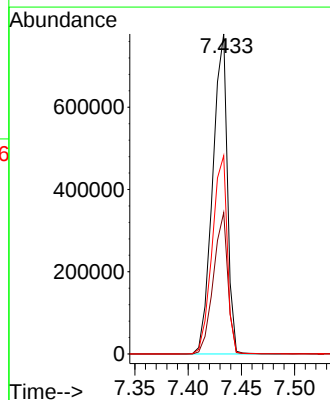
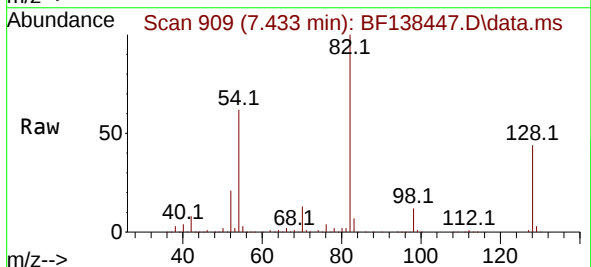
Instrument :
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ClientSampleId :
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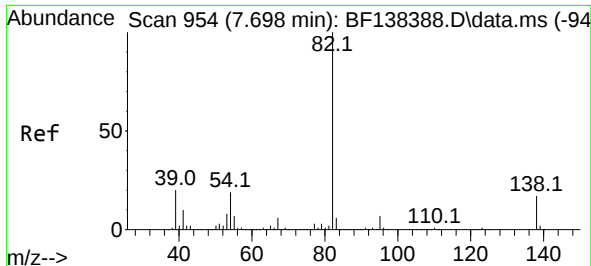
Tgt Ion:	136	Resp:	463996
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	11.4	9.0	13.4
68	6.7	5.4	8.0



#23
Nitrobenzene-d5
Concen: 83.582 ng
RT: 7.433 min Scan# 909
Delta R.T. -0.012 min
Lab File: BF138447.D
Acq: 03 Jul 2024 15:42

Tgt Ion:	82	Resp:	746549
Ion	Ratio	Lower	Upper
82	100		
128	44.1	34.6	52.0
54	62.0	50.5	75.7

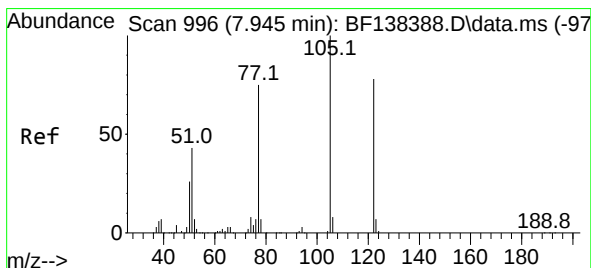
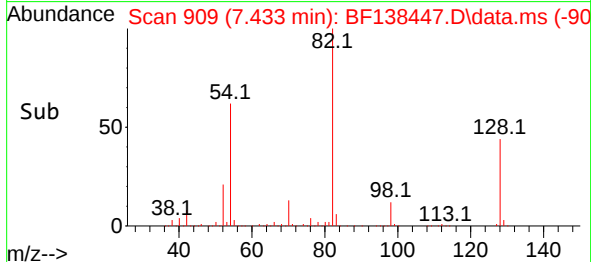
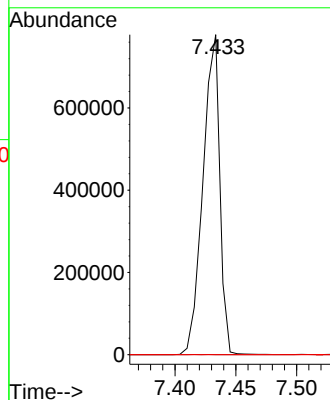
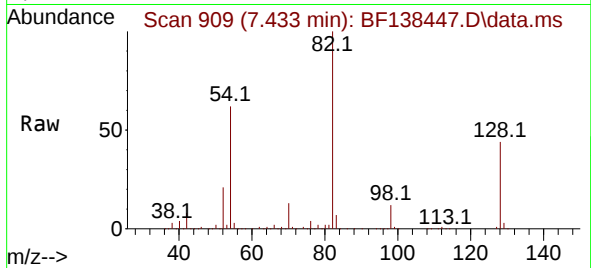




#25
Isophorone
Concen: 45.146 ng
RT: 7.433 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF138447.D
Acq: 03 Jul 2024 15:42

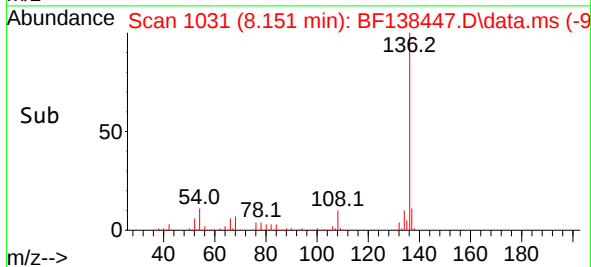
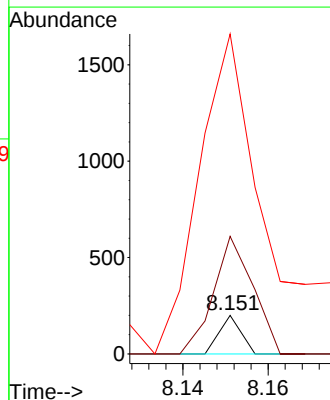
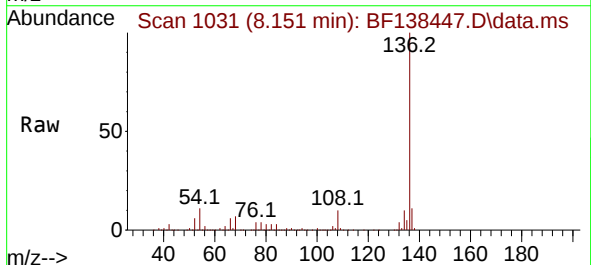
Instrument :
BNA_F
ClientSampleId :
B-140-SB01

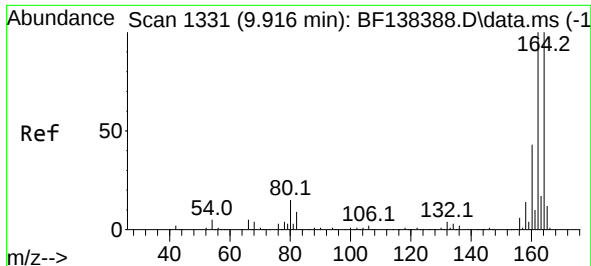
Tgt Ion: 82 Resp: 743543
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.4 20.2#



#32
Benzoic acid
Concen: 4.113 ng
RT: 8.151 min Scan# 1031
Delta R.T. 0.206 min
Lab File: BF138447.D
Acq: 03 Jul 2024 15:42

Tgt Ion:122 Resp: 71
Ion Ratio Lower Upper
122 100
105 305.0 103.8 143.8#
77 830.0 74.3 114.3#

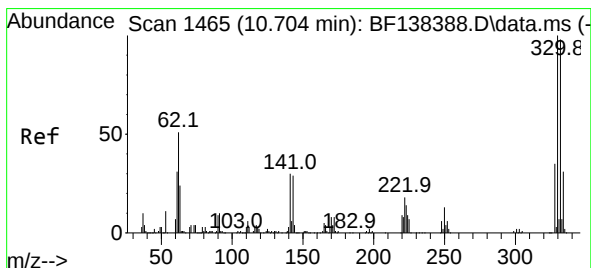
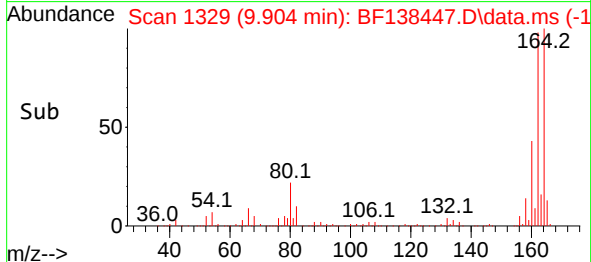
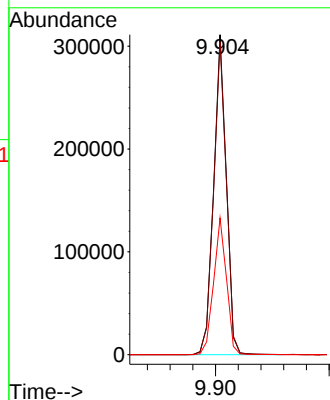
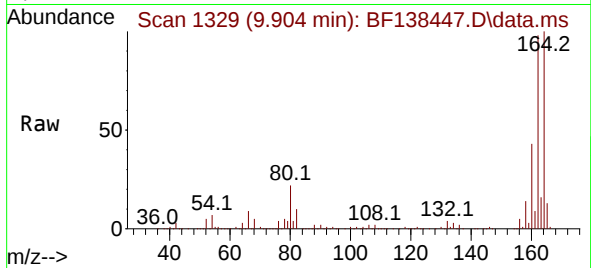




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF138447.D
Acq: 03 Jul 2024 15:42

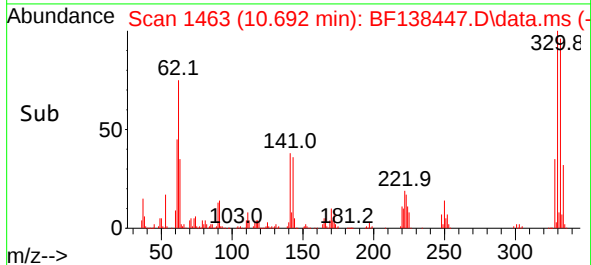
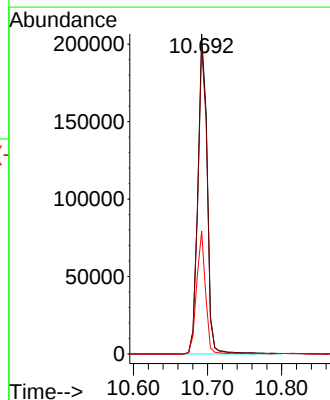
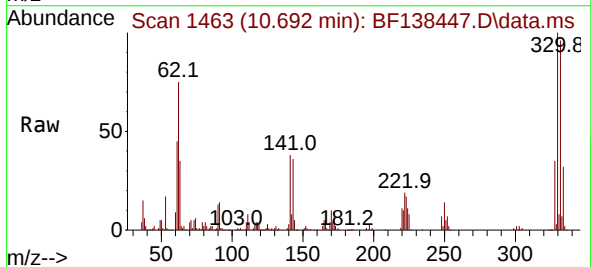
Instrument :
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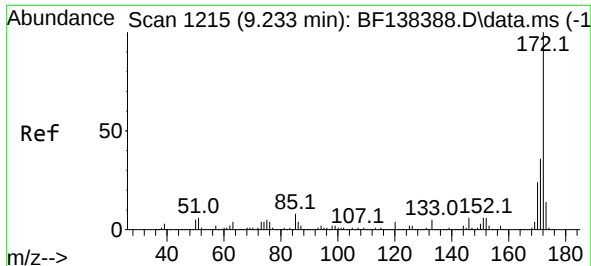
Tgt Ion:164 Resp: 240476
Ion Ratio Lower Upper
164 100
162 97.8 80.1 120.1
160 42.8 34.1 51.1



#42
2,4,6-Tribromophenol
Concen: 91.610 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.012 min
Lab File: BF138447.D
Acq: 03 Jul 2024 15:42

Tgt Ion:330 Resp: 179987
Ion Ratio Lower Upper
330 100
332 96.4 77.0 115.6
141 36.6 28.1 42.1





#45

2-Fluorobiphenyl

Concen: 80.603 ng

RT: 9.227 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF138447.D

Acq: 03 Jul 2024 15:42

Instrument :

BNA_F

ClientSampleId :

B-140-SB01

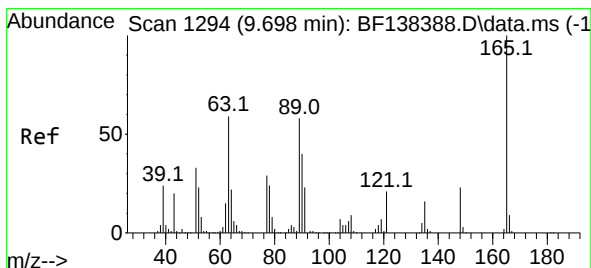
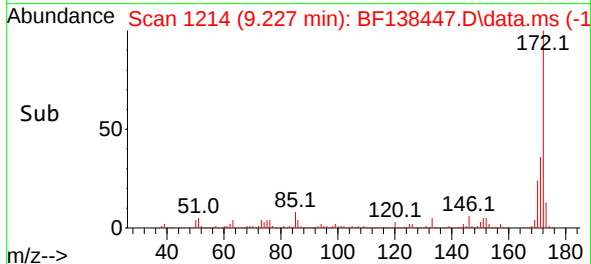
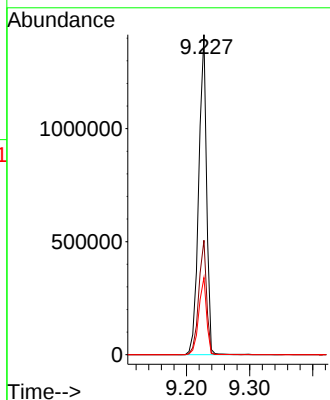
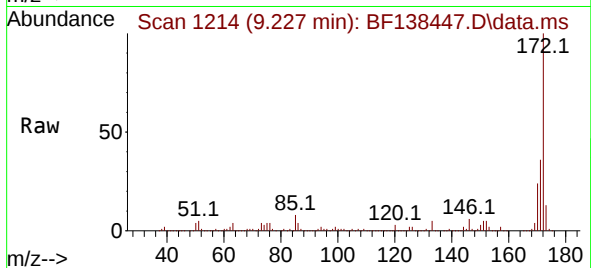
Tgt Ion:172 Resp: 1217947

Ion Ratio Lower Upper

172 100

171 35.7 29.0 43.4

170 24.1 19.0 28.6



#51

2,6-Dinitrotoluene

Concen: 8.924 ng

RT: 9.904 min Scan# 1329

Delta R.T. 0.206 min

Lab File: BF138447.D

Acq: 03 Jul 2024 15:42

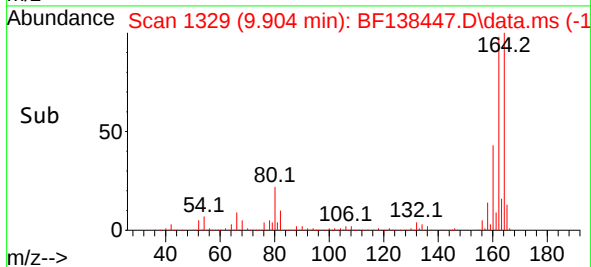
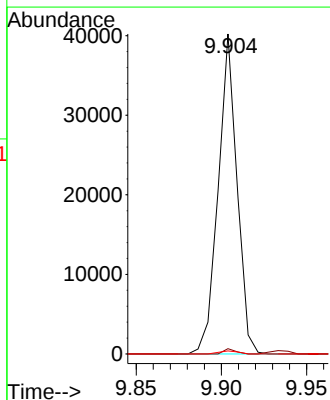
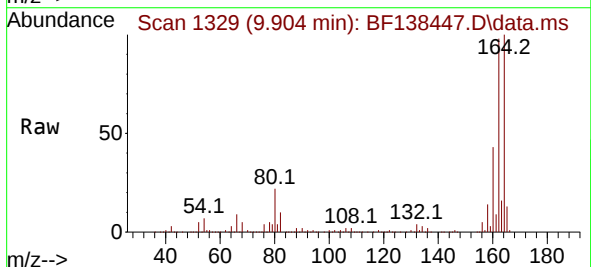
Tgt Ion:165 Resp: 30889

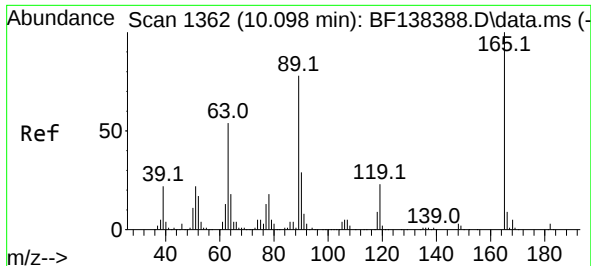
Ion Ratio Lower Upper

165 100

63 1.7 53.8 80.8#

89 0.9 46.4 69.6#

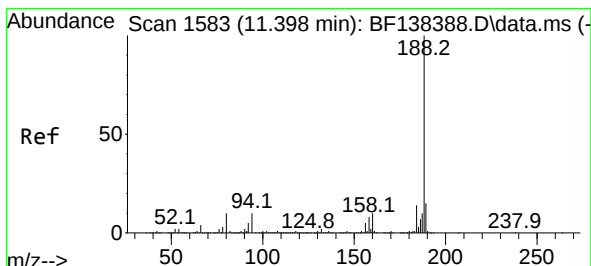
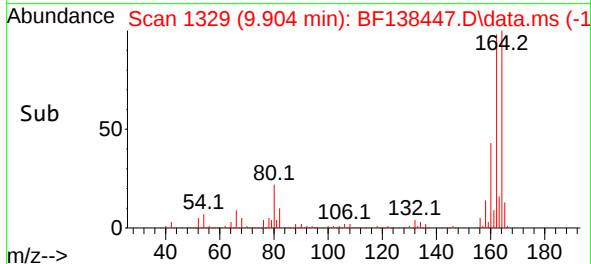
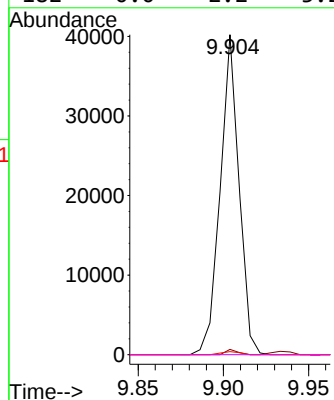
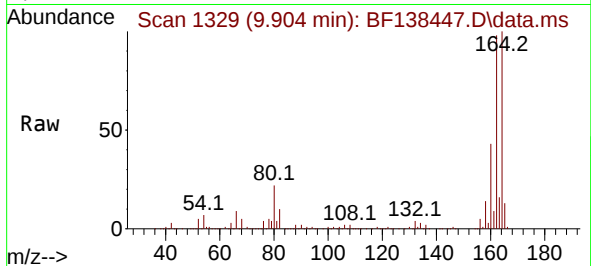




#57
2,4-Dinitrotoluene
Concen: 7.248 ng
RT: 9.904 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF138447.D
Acq: 03 Jul 2024 15:42

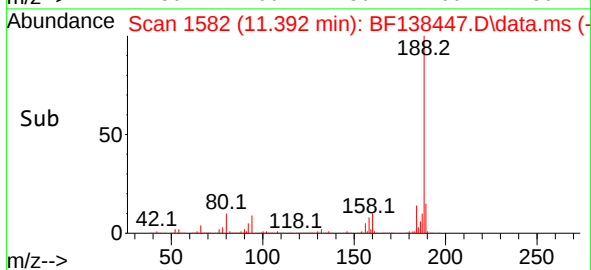
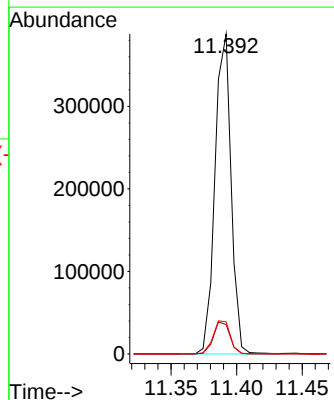
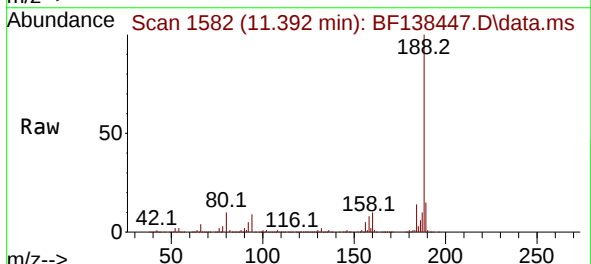
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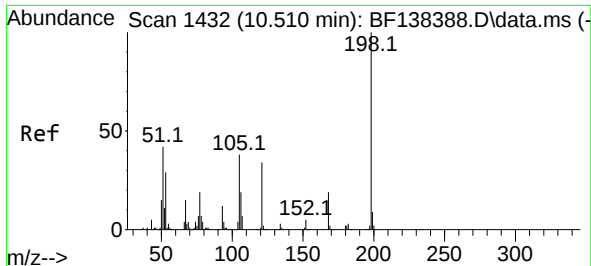
Tgt Ion:165 Resp: 30889
Ion Ratio Lower Upper
165 100
63 1.7 43.4 65.2#
89 0.9 62.6 93.8#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF138447.D
Acq: 03 Jul 2024 15:42

Tgt Ion:188 Resp: 330929
Ion Ratio Lower Upper
188 100
94 9.2 8.0 12.0
80 10.1 8.2 12.4

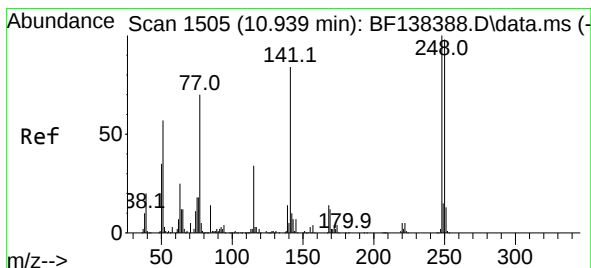
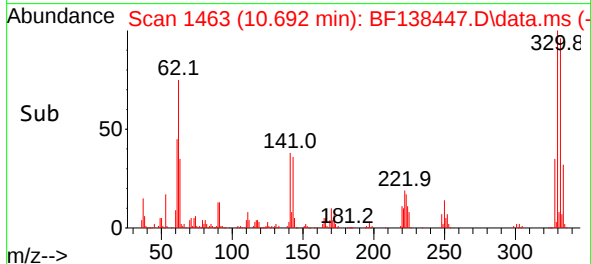
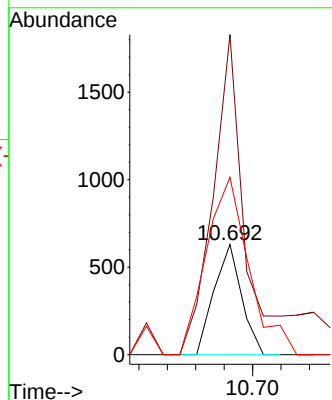
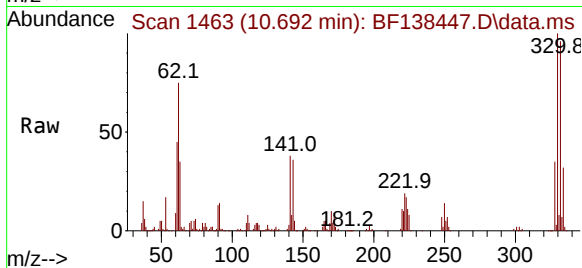




#65
4,6-Dinitro-2-methylphenol
Concen: 6.009 ng
RT: 10.692 min Scan# 1463
Delta R.T. 0.182 min
Lab File: BF138447.D
Acq: 03 Jul 2024 15:42

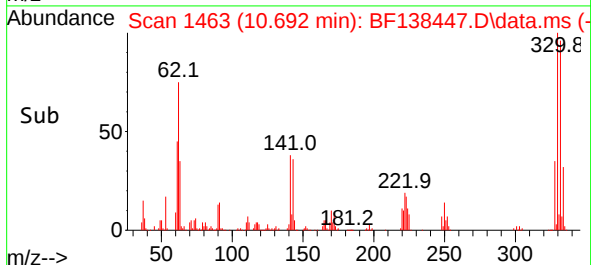
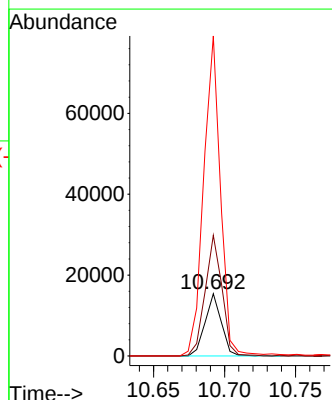
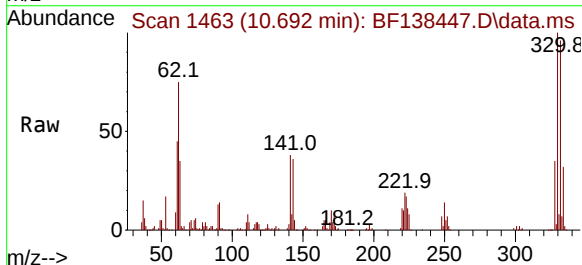
Instrument :
BNA_F
ClientSampleId :
B-140-SB01

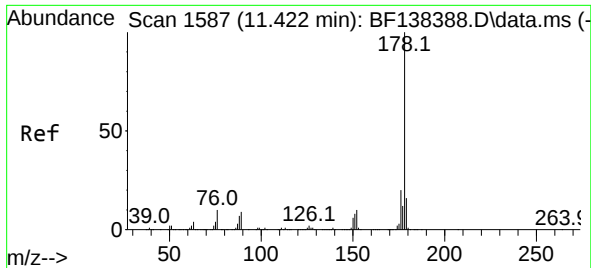
Tgt Ion:198 Resp: 422
Ion Ratio Lower Upper
198 100
51 290.3 27.9 67.9#
105 161.0 18.2 58.2#



#67
4-Bromophenyl-phenylether
Concen: 3.476 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.247 min
Lab File: BF138447.D
Acq: 03 Jul 2024 15:42

Tgt Ion:248 Resp: 12366
Ion Ratio Lower Upper
248 100
250 193.9 78.2 117.4#
141 514.4 67.6 101.4#

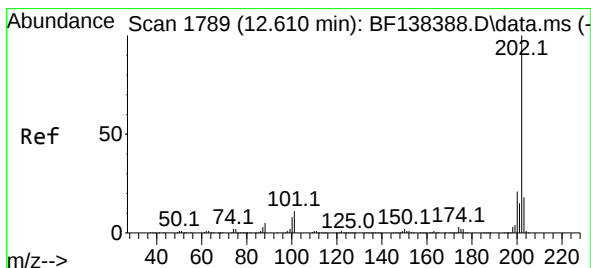
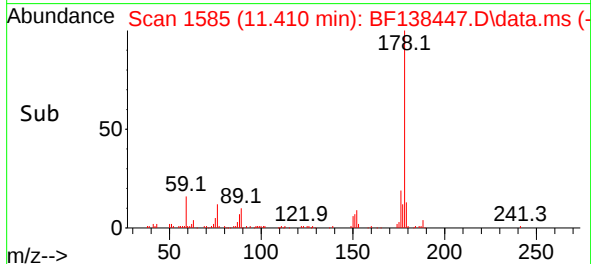
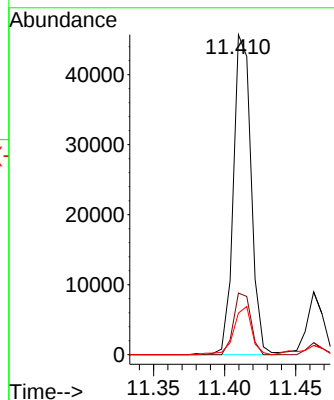
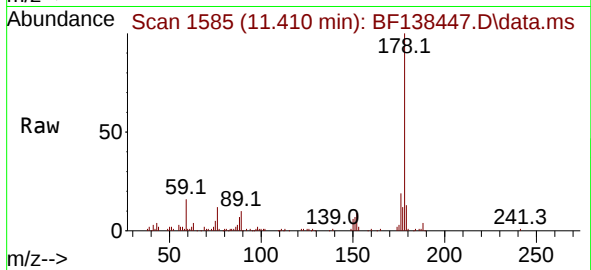




#71
Phenanthrene
Concen: 2.460 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF138447.D
Acq: 03 Jul 2024 15:42

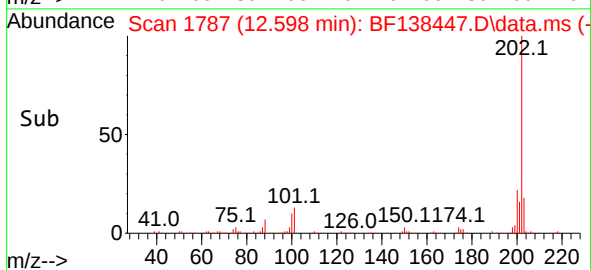
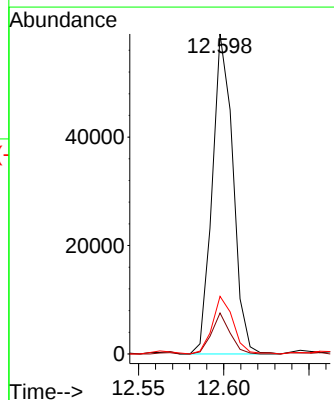
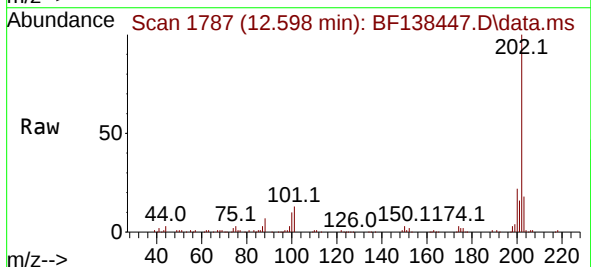
Instrument :
BNA_F
ClientSampleId :
B-140-SB01

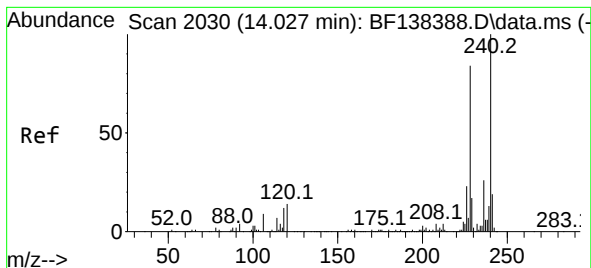
Tgt Ion:178 Resp: 39749
Ion Ratio Lower Upper
178 100
176 19.3 16.1 24.1
179 13.0 12.6 18.8



#75
Fluoranthene
Concen: 3.439 ng
RT: 12.598 min Scan# 1787
Delta R.T. -0.012 min
Lab File: BF138447.D
Acq: 03 Jul 2024 15:42

Tgt Ion:202 Resp: 49816
Ion Ratio Lower Upper
202 100
101 12.8 0.0 30.5
203 18.0 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: BF138447.D

Acq: 03 Jul 2024 15:42

Instrument :

BNA_F

ClientSampleId :

B-140-SB01

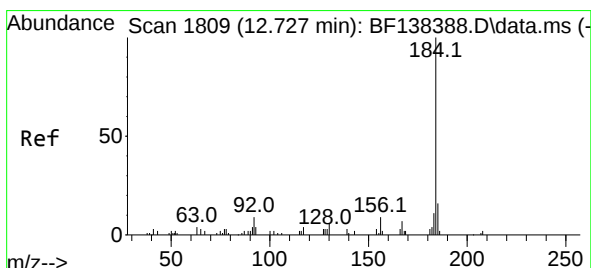
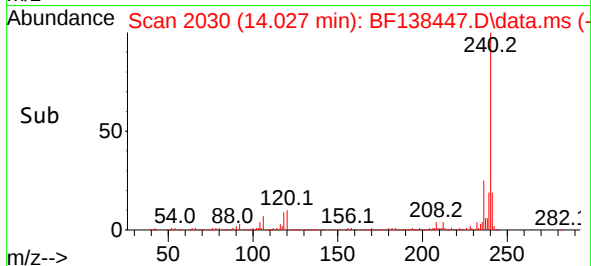
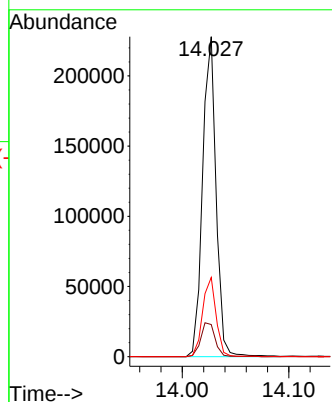
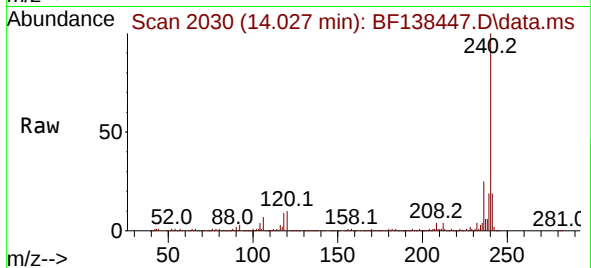
Tgt Ion:240 Resp: 201067

Ion Ratio Lower Upper

240 100

120 10.1 10.9 16.3#

236 24.8 20.6 30.8



#77

Benzidine

Concen: 6.212 ng

RT: 12.974 min Scan# 1851

Delta R.T. 0.247 min

Lab File: BF138447.D

Acq: 03 Jul 2024 15:42

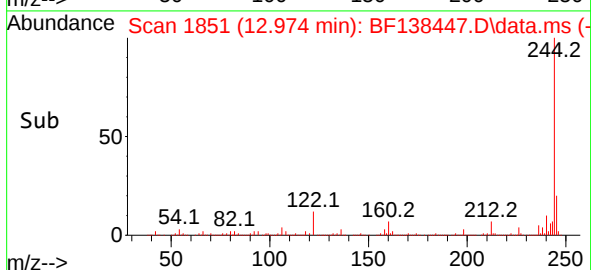
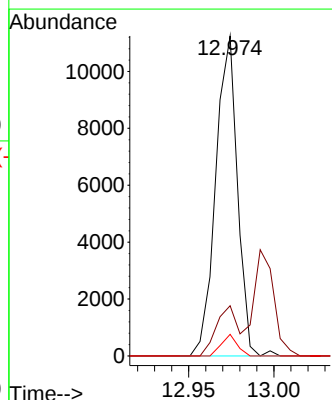
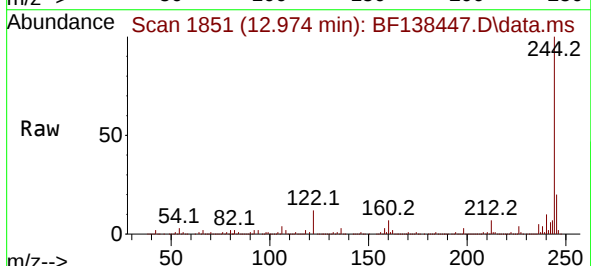
Tgt Ion:184 Resp: 9987

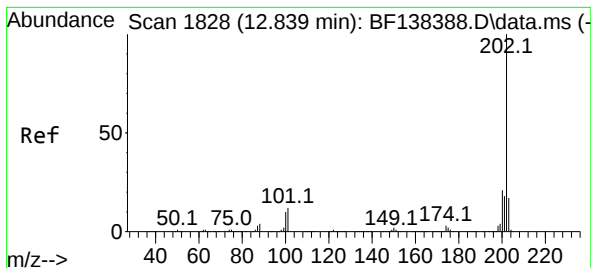
Ion Ratio Lower Upper

184 100

185 15.7 13.0 19.4

183 6.8 9.0 13.6#





#78

Pyrene

Concen: 2.451 ng

RT: 12.827 min Scan# 1826

Delta R.T. -0.012 min

Lab File: BF138447.D

Acq: 03 Jul 2024 15:42

Instrument :

BNA_F

ClientSampleId :

B-140-SB01

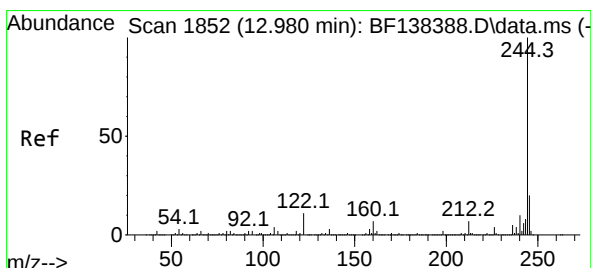
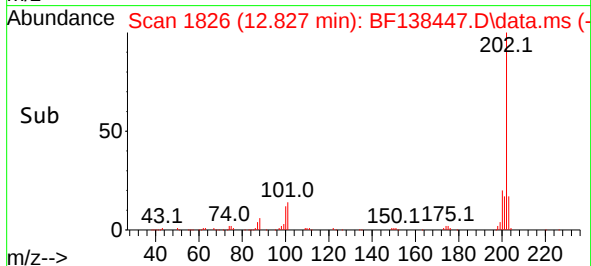
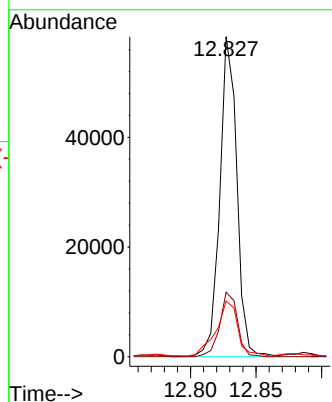
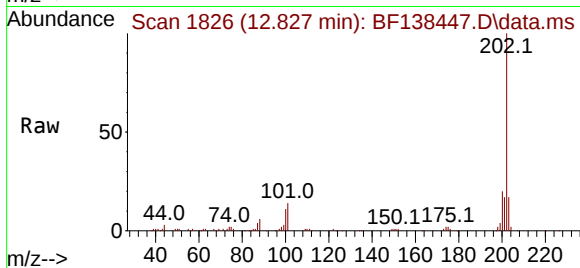
Tgt Ion:202 Resp: 52670

Ion Ratio Lower Upper

202 100

200 20.1 16.9 25.3

203 17.4 13.8 20.8



#79

Terphenyl-d14

Concen: 51.126 ng

RT: 12.974 min Scan# 1851

Delta R.T. -0.006 min

Lab File: BF138447.D

Acq: 03 Jul 2024 15:42

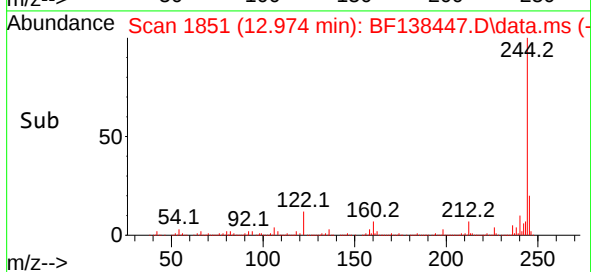
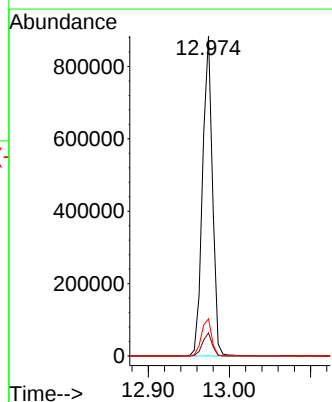
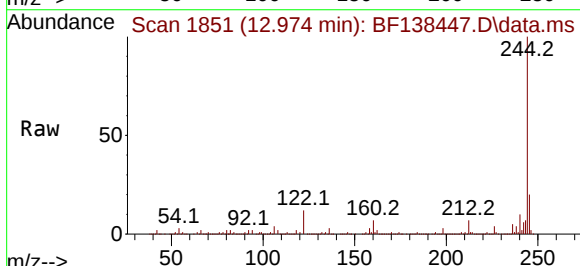
Tgt Ion:244 Resp: 750111

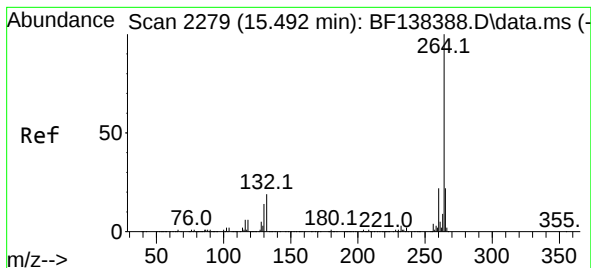
Ion Ratio Lower Upper

244 100

212 7.2 5.6 8.4

122 11.6 9.0 13.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.492 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF138447.D

Acq: 03 Jul 2024 15:42

Instrument :

BNA_F

ClientSampleId :

B-140-SB01

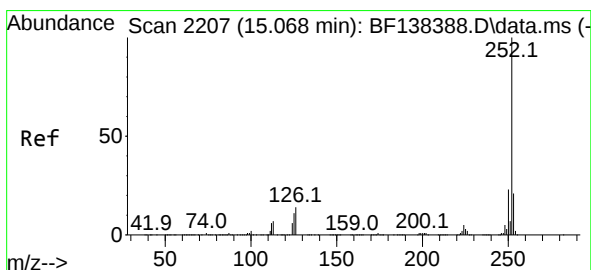
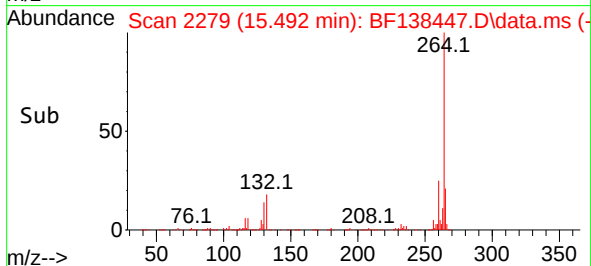
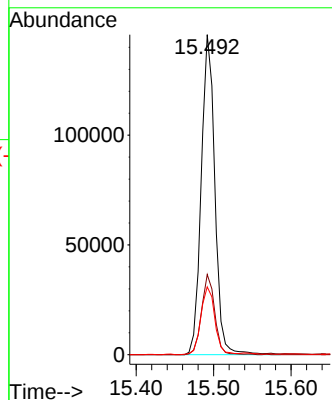
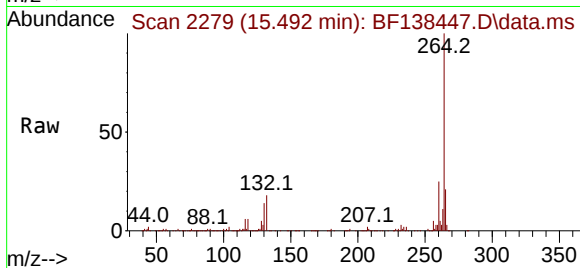
Tgt Ion:264 Resp: 178265

Ion Ratio Lower Upper

264 100

260 25.0 17.8 26.6

265 21.2 17.5 26.3



#88

Benzo(b)fluoranthene

Concen: 2.936 ng

RT: 15.062 min Scan# 2206

Delta R.T. -0.006 min

Lab File: BF138447.D

Acq: 03 Jul 2024 15:42

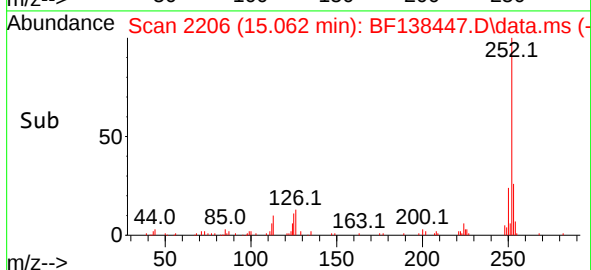
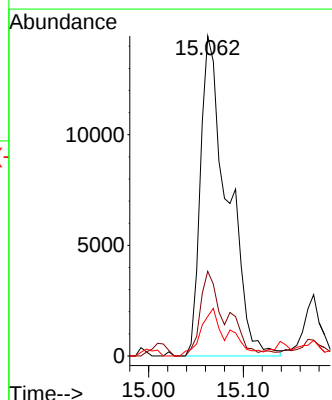
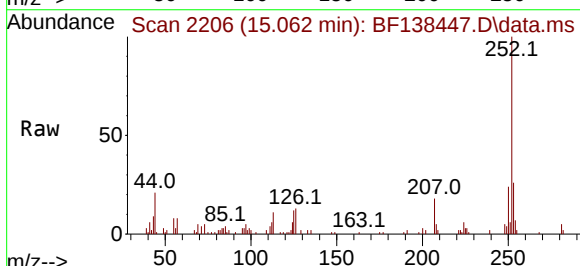
Tgt Ion:252 Resp: 28714

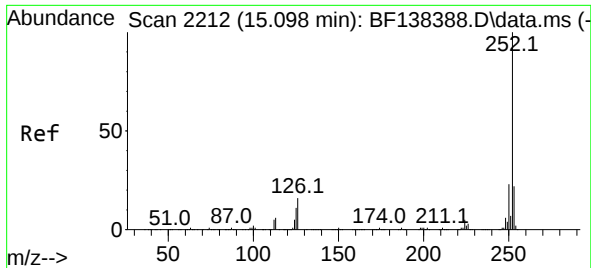
Ion Ratio Lower Upper

252 100

253 26.5 17.0 25.4#

125 12.4 8.6 12.8





#89

Benzo(k)fluoranthene

Concen: 3.187 ng

RT: 15.062 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF138447.D

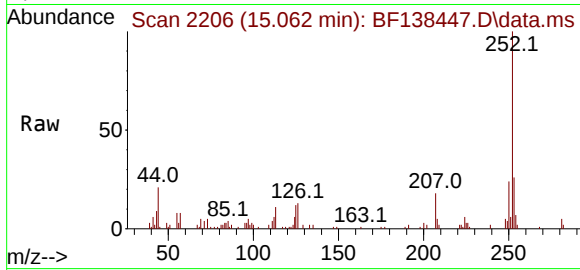
Acq: 03 Jul 2024 15:42

Instrument :

BNA_F

ClientSampleId :

B-140-SB01



Tgt Ion:252 Resp: 28714

Ion Ratio Lower Upper

252 100

253 26.5 17.4 26.2#

125 12.4 8.7 13.1

