

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070524\
 Data File : BF138469.D
 Acq On : 05 Jul 2024 15:32
 Operator : CG\JU
 Sample : P3141-01RE
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-140-SB00

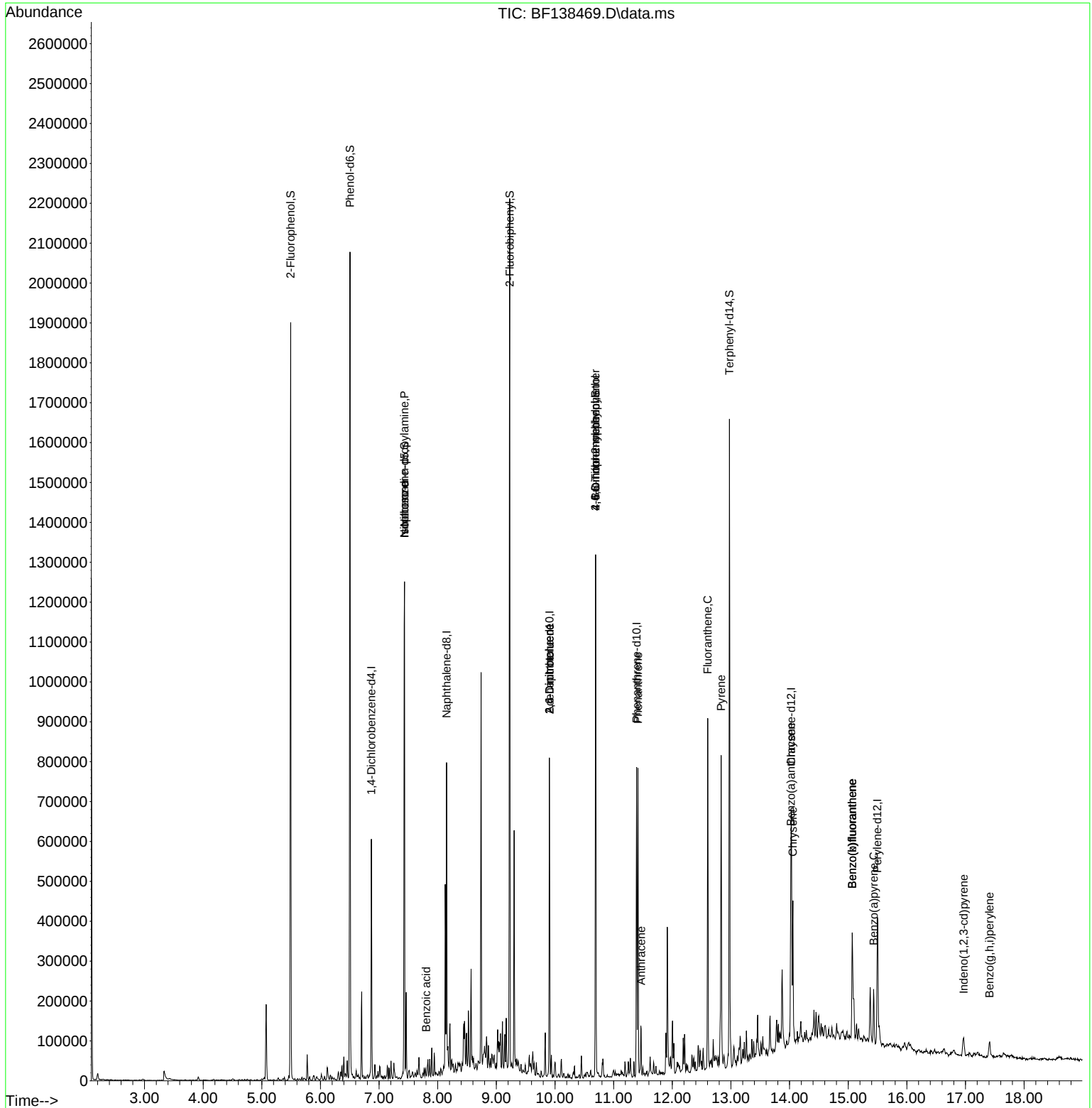
Quant Time: Jul 05 15:57:13 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jun 29 02:44:30 2024
 Response via : Initial Calibration

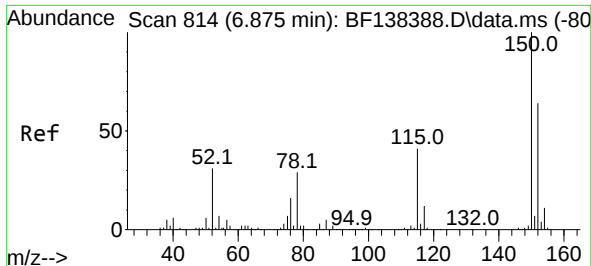
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	68662	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	267059	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	145782	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	246245	20.000	ng	0.00
76) Chrysene-d12	14.027	240	153573	20.000	ng	0.00
86) Perylene-d12	15.498	264	144134	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	422717	102.072	ng	0.00
7) Phenol-d6	6.504	99	555669	99.603	ng	-0.01
23) Nitrobenzene-d5	7.434	82	353734	68.808	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	122752	103.061	ng	-0.01
45) 2-Fluorobiphenyl	9.227	172	572178	62.463	ng	0.00
79) Terphenyl-d14	12.974	244	491788	43.885	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	46770	13.298	ng	# 77
25) Isophorone	7.434	82	352678	37.205	ng	# 67
32) Benzoic acid	7.804	122	70	4.124	ng	# 26
51) 2,6-Dinitrotoluene	9.904	165	19038	9.073	ng	# 21
57) 2,4-Dinitrotoluene	9.904	165	19038	7.369	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.692	198	315	6.010	ng	# 1
67) 4-Bromophenyl-phenylether	10.692	248	8556	3.233	ng	# 1
71) Phenanthrene	11.416	178	245998	20.461	ng	99
72) Anthracene	11.469	178	46181	3.852	ng	98
75) Fluoranthene	12.604	202	305658	28.358	ng	99
78) Pyrene	12.833	202	290156	17.678	ng	99
81) Benzo(a)anthracene	14.021	228	100670	10.184	ng	97
83) Chrysene	14.057	228	140707	14.629	ng	97
87) Indeno(1,2,3-cd)pyrene	16.968	276	30465	4.207	ng	95
88) Benzo(b)fluoranthene	15.068	252	173215	21.903	ng	97
89) Benzo(k)fluoranthene	15.068	252	173215	23.780	ng	98
90) Benzo(a)pyrene	15.433	252	61300	8.844	ng	95
92) Benzo(g,h,i)perylene	17.409	276	29817	5.214	ng	93

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

Quant Time: Jul 05 15:57:13 2024
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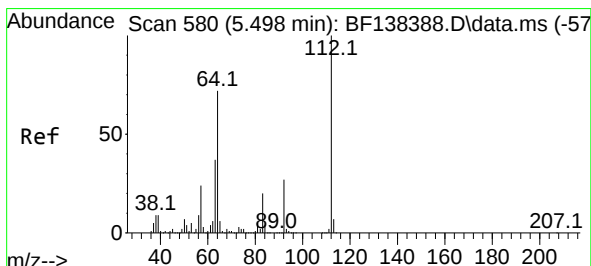
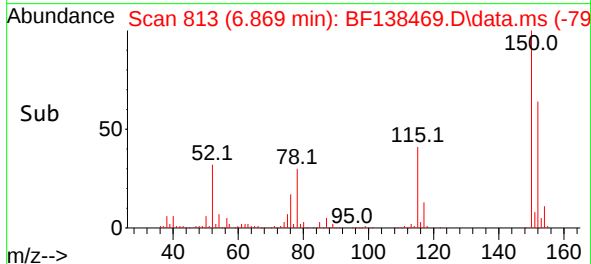
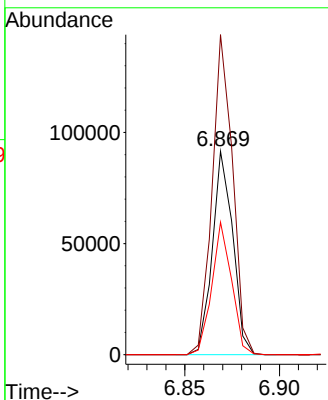
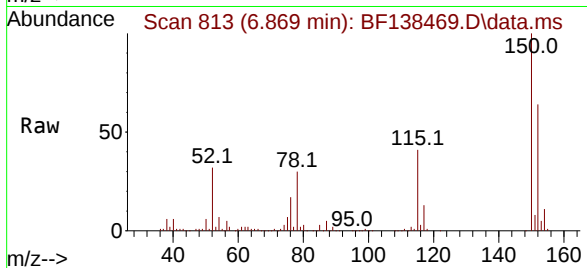




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF138469.D
Acq: 05 Jul 2024 15:32

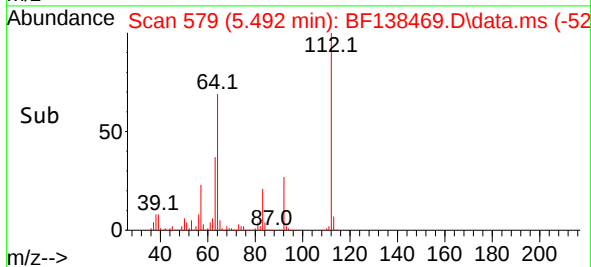
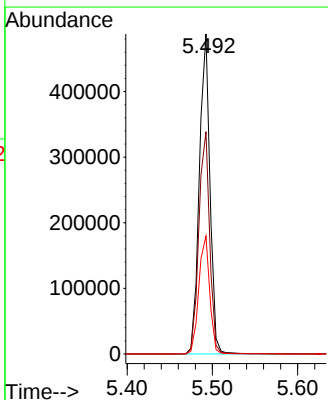
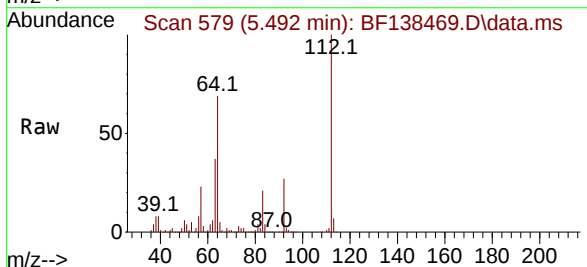
Instrument :
BNA_F
ClientSampleId :
B-140-SB00

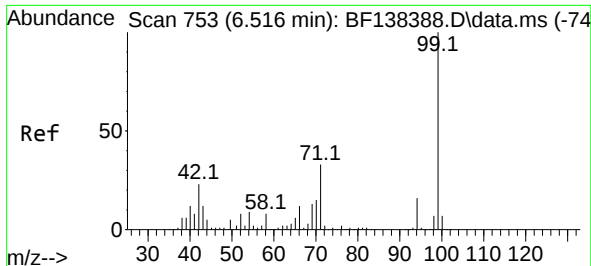
Tgt Ion:152 Resp: 68662
Ion Ratio Lower Upper
152 100
150 157.3 124.9 187.3
115 65.2 50.8 76.2



#5
2-Fluorophenol
Concen: 102.072 ng
RT: 5.492 min Scan# 579
Delta R.T. -0.006 min
Lab File: BF138469.D
Acq: 05 Jul 2024 15:32

Tgt Ion:112 Resp: 422717
Ion Ratio Lower Upper
112 100
64 69.4 57.2 85.8
63 36.9 29.4 44.0

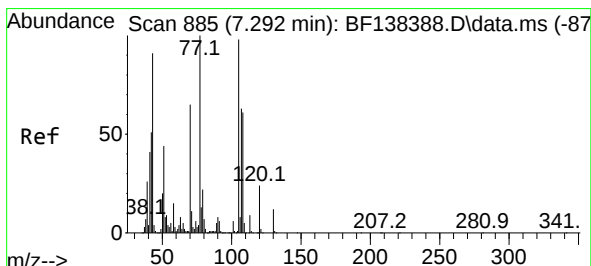
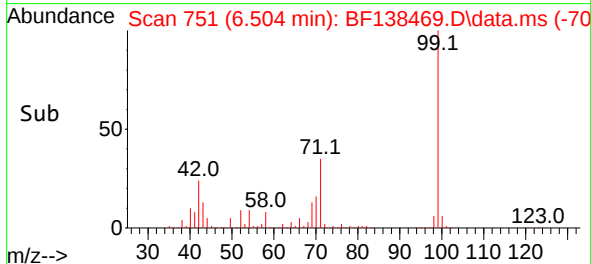
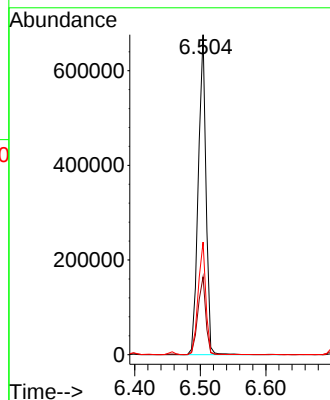
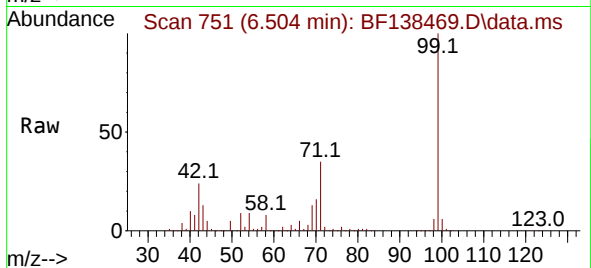




#7
Phenol-d6
Concen: 99.603 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF138469.D
Acq: 05 Jul 2024 15:32

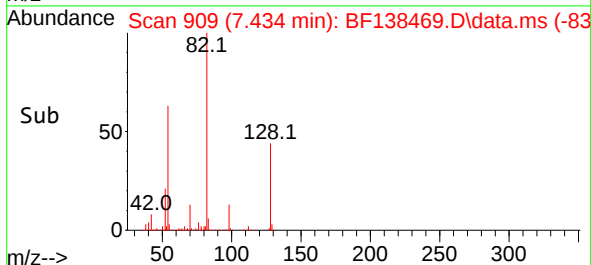
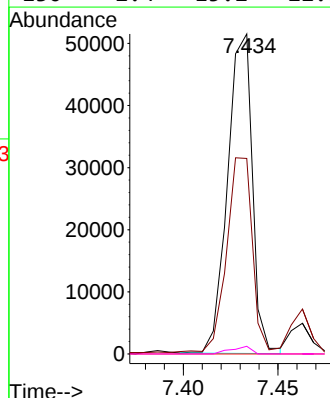
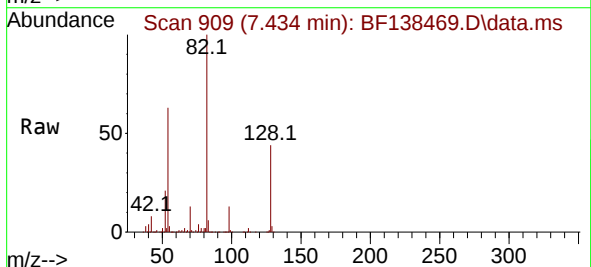
Instrument :
BNA_F
ClientSampleId :
B-140-SB00

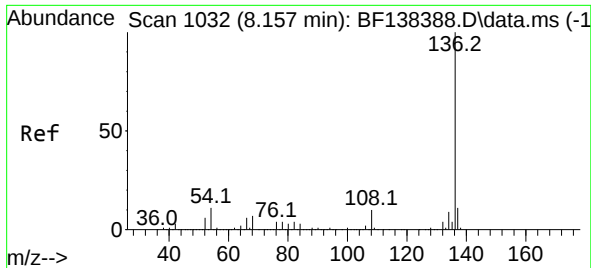
Tgt Ion: 99 Resp: 555669
Ion Ratio Lower Upper
99 100
42 24.3 18.5 27.7
71 35.2 26.1 39.1



#19
n-Nitroso-di-n-propylamine
Concen: 13.298 ng
RT: 7.434 min Scan# 909
Delta R.T. 0.141 min
Lab File: BF138469.D
Acq: 05 Jul 2024 15:32

Tgt Ion: 70 Resp: 46770
Ion Ratio Lower Upper
70 100
42 61.1 62.5 93.7#
101 0.0 7.0 10.4#
130 2.4 15.2 22.8#



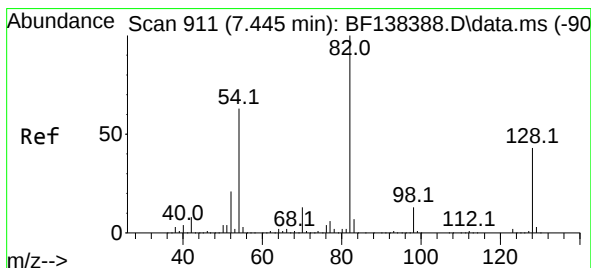
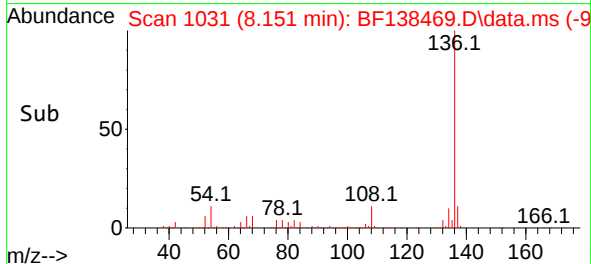
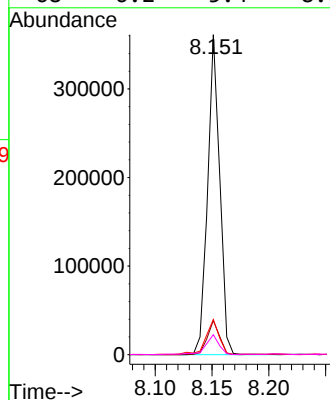
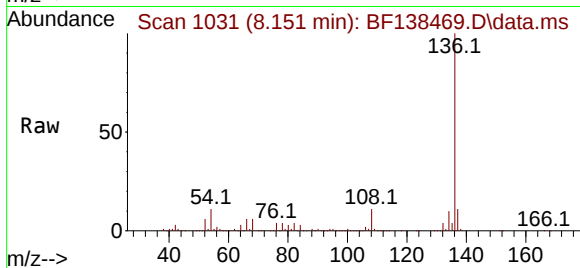


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1032
Delta R.T. -0.006 min
Lab File: BF138469.D
Acq: 05 Jul 2024 15:32

Instrument :
BNA_F
ClientSampleId :
B-140-SB00

Tgt Ion:136 Resp: 267059

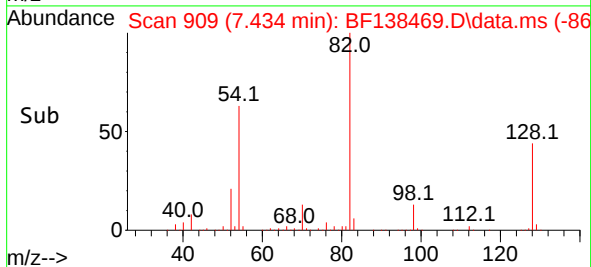
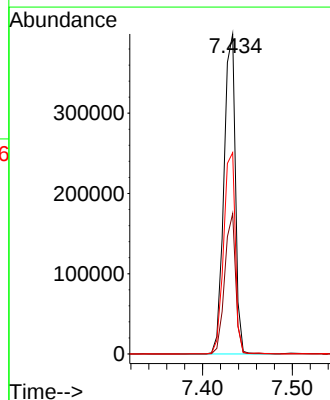
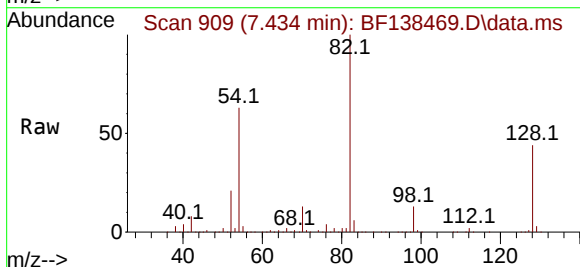
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	11.0	9.0	13.4
68	6.2	5.4	8.0

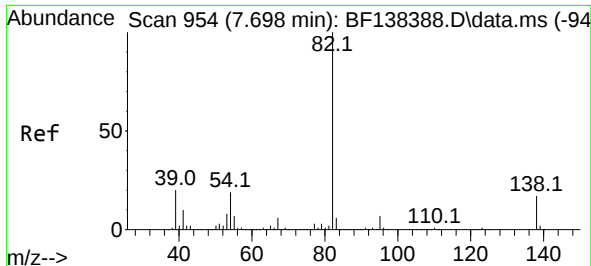


#23
Nitrobenzene-d5
Concen: 68.808 ng
RT: 7.434 min Scan# 909
Delta R.T. -0.012 min
Lab File: BF138469.D
Acq: 05 Jul 2024 15:32

Tgt Ion: 82 Resp: 353734

Ion	Ratio	Lower	Upper
82	100		
128	43.8	34.6	52.0
54	62.9	50.5	75.7

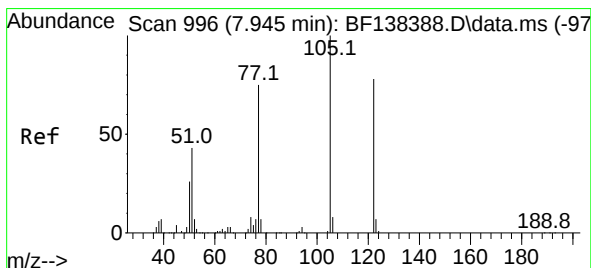
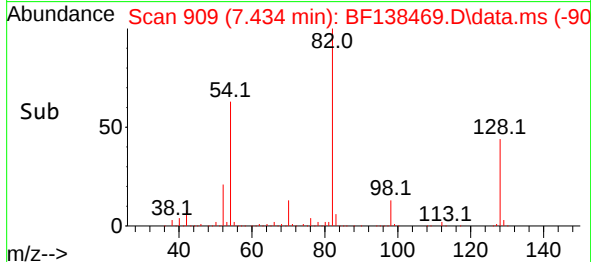
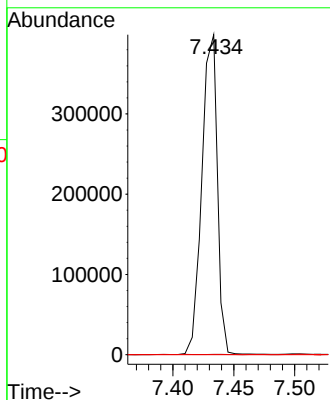
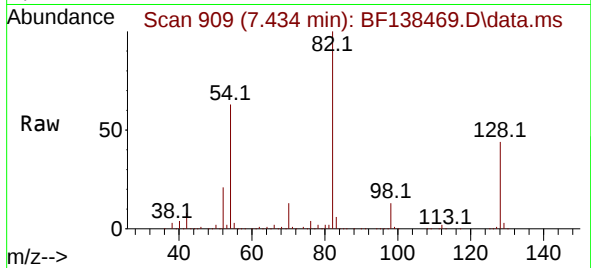




#25
Isophorone
Concen: 37.205 ng
RT: 7.434 min Scan# 909
Delta R.T. -0.265 min
Lab File: BF138469.D
Acq: 05 Jul 2024 15:32

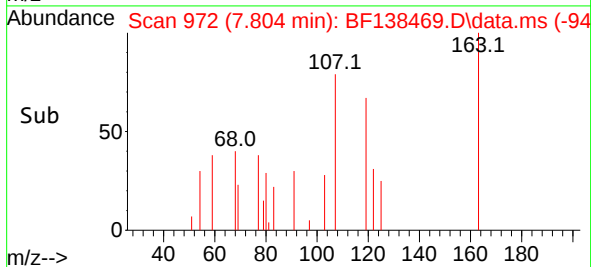
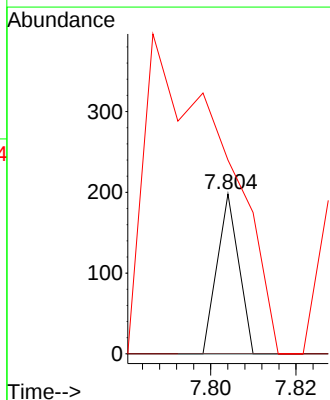
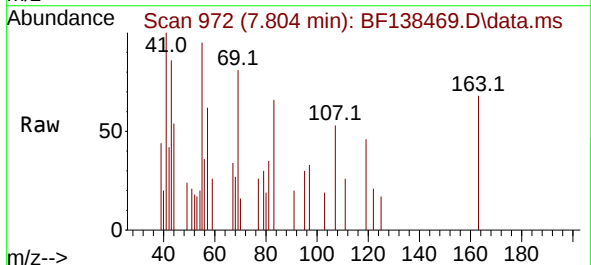
Instrument :
BNA_F
ClientSampleId :
B-140-SB00

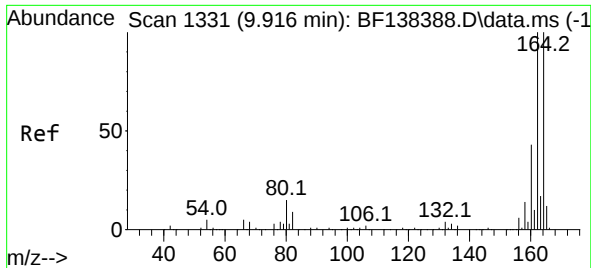
Tgt Ion: 82 Resp: 352678
Ion Ratio Lower Upper
82 100
95 0.1 5.7 8.5#
138 0.0 13.4 20.2#



#32
Benzoic acid
Concen: 4.124 ng
RT: 7.804 min Scan# 972
Delta R.T. -0.141 min
Lab File: BF138469.D
Acq: 05 Jul 2024 15:32

Tgt Ion: 122 Resp: 70
Ion Ratio Lower Upper
122 100
105 0.0 103.8 143.8#
77 121.2 74.3 114.3#

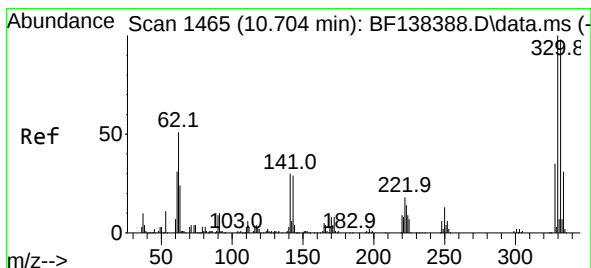
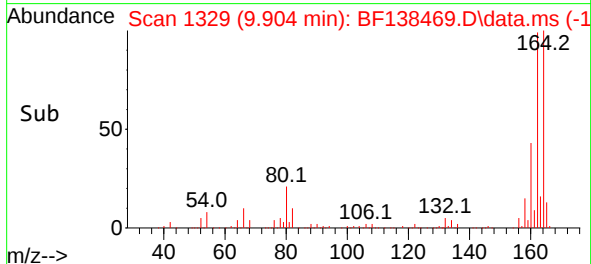
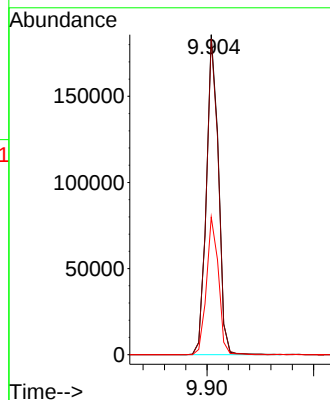
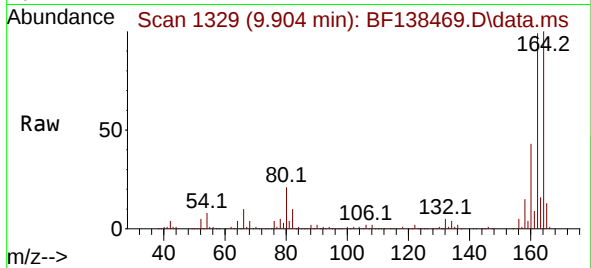




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF138469.D
Acq: 05 Jul 2024 15:32

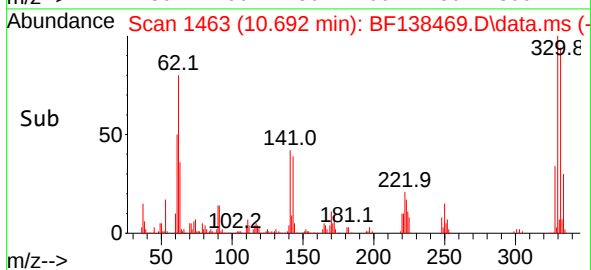
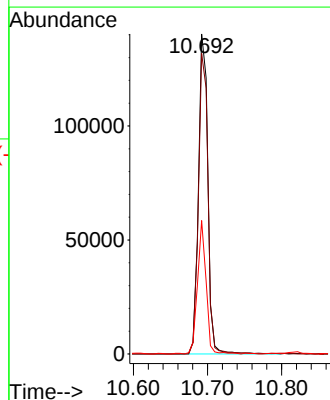
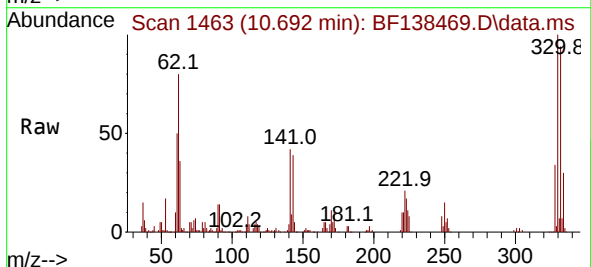
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ClientSampleId :
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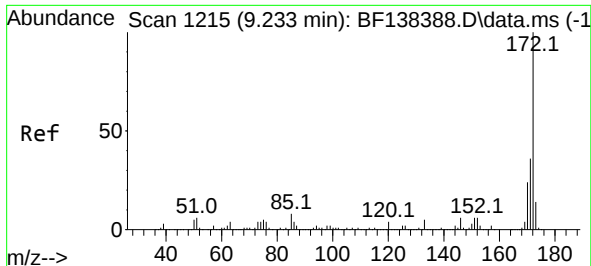
Tgt Ion:164 Resp: 145782
Ion Ratio Lower Upper
164 100
162 98.7 80.1 120.1
160 43.0 34.1 51.1



#42
2,4,6-Tribromophenol
Concen: 103.061 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.012 min
Lab File: BF138469.D
Acq: 05 Jul 2024 15:32

Tgt Ion:330 Resp: 122752
Ion Ratio Lower Upper
330 100
332 95.7 77.0 115.6
141 38.3 28.1 42.1





#45

2-Fluorobiphenyl

Concen: 62.463 ng

RT: 9.227 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF138469.D

Acq: 05 Jul 2024 15:32

Instrument :

BNA_F

ClientSampleId :

B-140-SB00

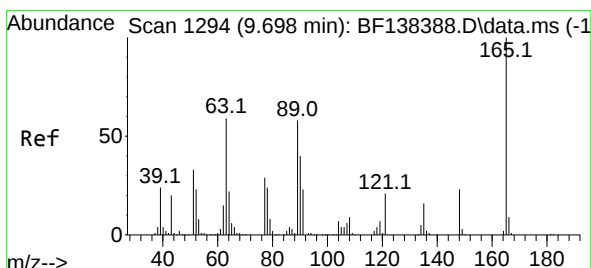
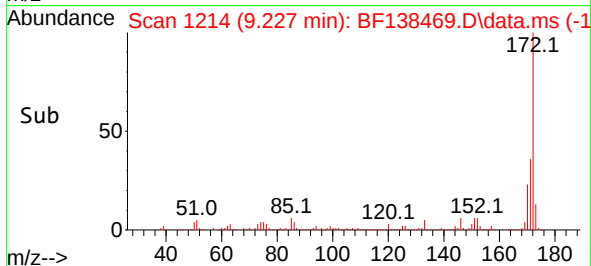
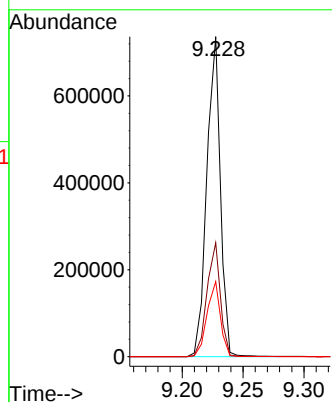
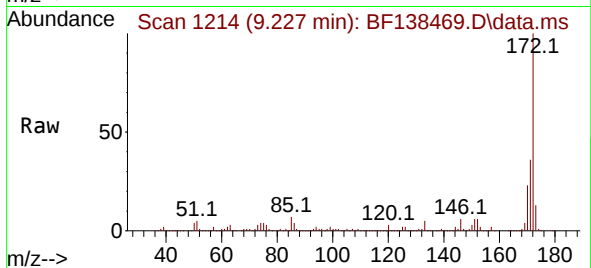
Tgt Ion:172 Resp: 572178

Ion Ratio Lower Upper

172 100

171 35.6 29.0 43.4

170 23.5 19.0 28.6



#51

2,6-Dinitrotoluene

Concen: 9.073 ng

RT: 9.904 min Scan# 1329

Delta R.T. 0.206 min

Lab File: BF138469.D

Acq: 05 Jul 2024 15:32

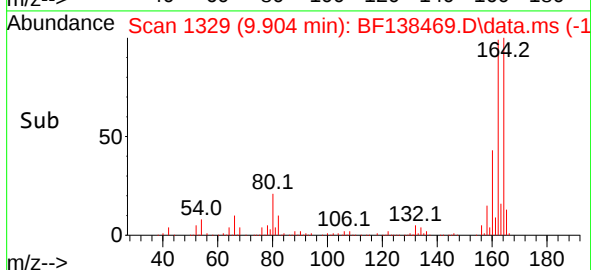
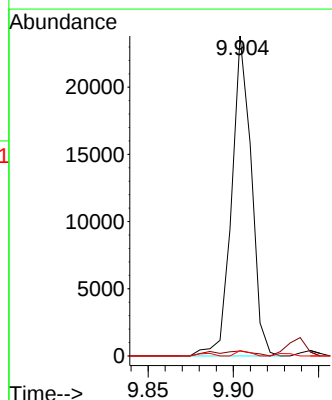
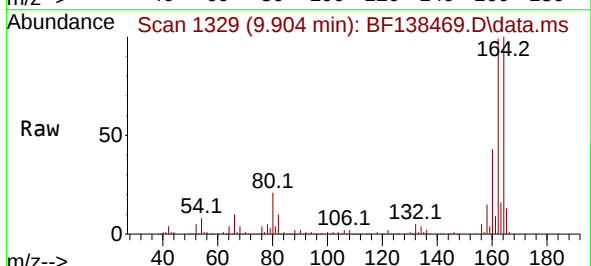
Tgt Ion:165 Resp: 19038

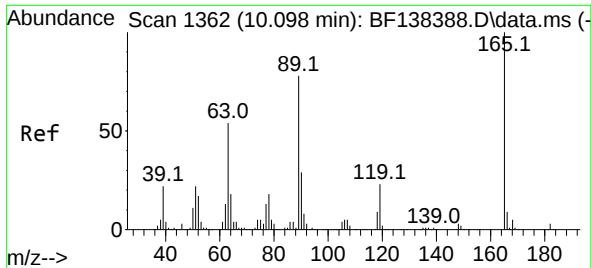
Ion Ratio Lower Upper

165 100

63 1.6 53.8 80.8#

89 1.6 46.4 69.6#

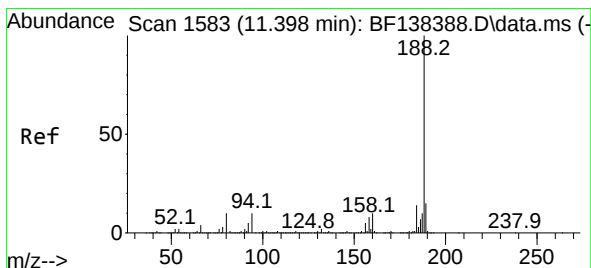
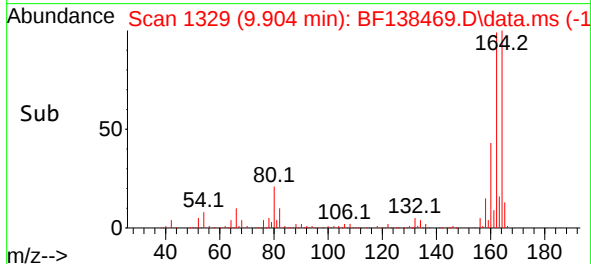
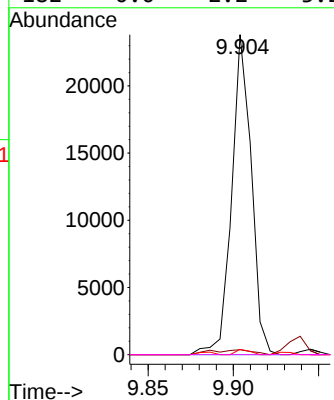
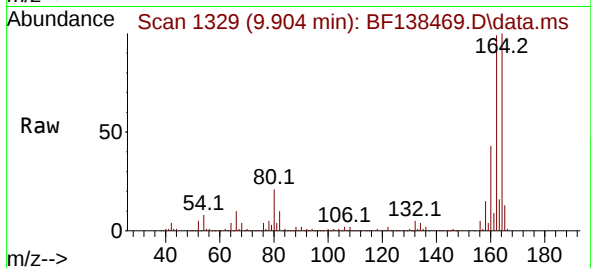




#57
2,4-Dinitrotoluene
Concen: 7.369 ng
RT: 9.904 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF138469.D
Acq: 05 Jul 2024 15:32

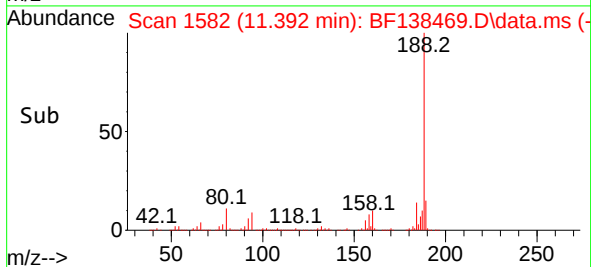
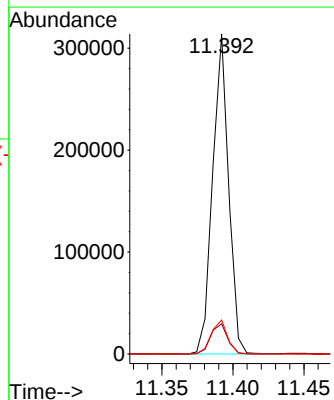
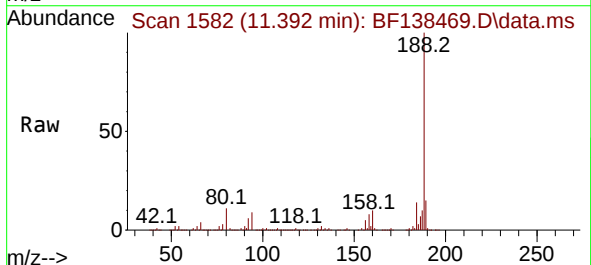
Instrument :
BNA_F
ClientSampleId :
B-140-SB00

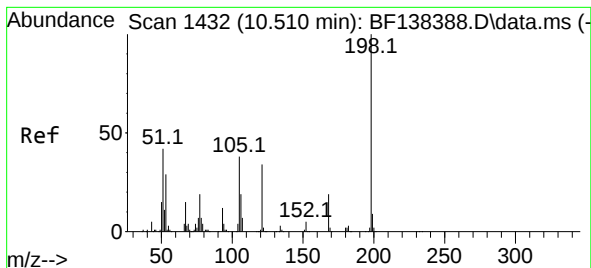
Tgt Ion:165 Resp: 19038
Ion Ratio Lower Upper
165 100
63 1.6 43.4 65.2#
89 1.6 62.6 93.8#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF138469.D
Acq: 05 Jul 2024 15:32

Tgt Ion:188 Resp: 246245
Ion Ratio Lower Upper
188 100
94 9.4 8.0 12.0
80 10.6 8.2 12.4

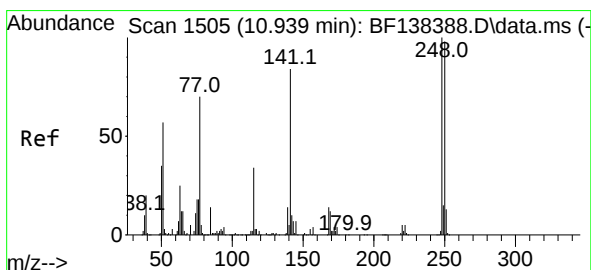
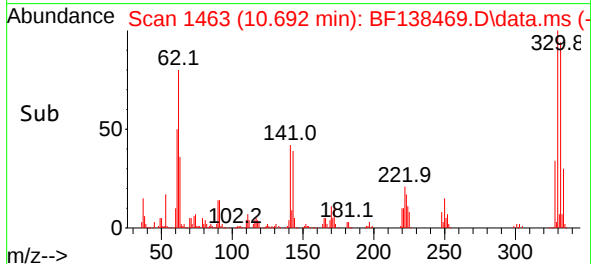
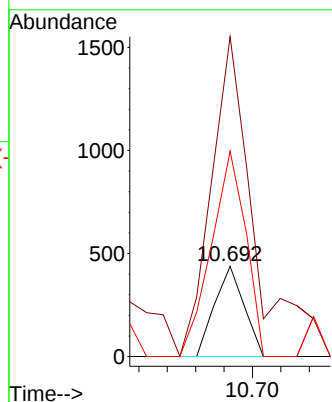
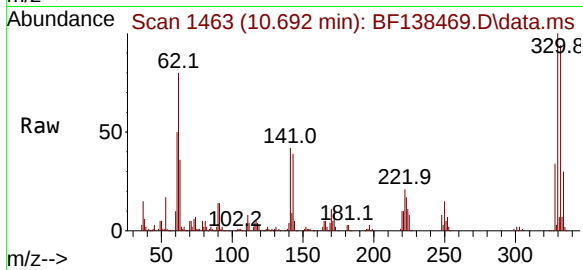




#65
4,6-Dinitro-2-methylphenol
Concen: 6.010 ng
RT: 10.692 min Scan# 1463
Delta R.T. 0.182 min
Lab File: BF138469.D
Acq: 05 Jul 2024 15:32

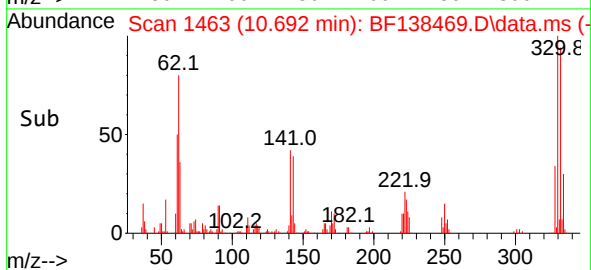
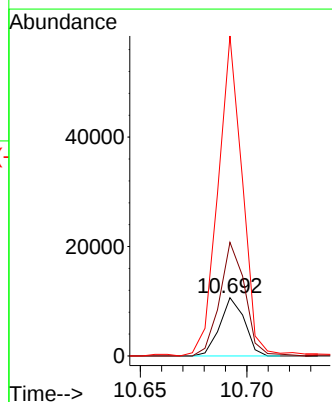
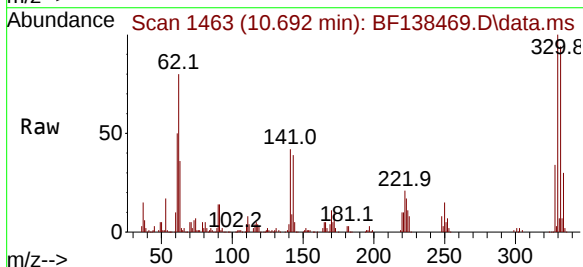
Instrument :
BNA_F
ClientSampleId :
B-140-SB00

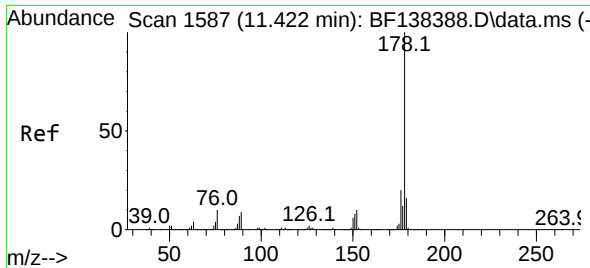
Tgt Ion:198 Resp: 315
Ion Ratio Lower Upper
198 100
51 354.3 27.9 67.9#
105 227.4 18.2 58.2#



#67
4-Bromophenyl-phenylether
Concen: 3.233 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.247 min
Lab File: BF138469.D
Acq: 05 Jul 2024 15:32

Tgt Ion:248 Resp: 8556
Ion Ratio Lower Upper
248 100
250 195.2 78.2 117.4#
141 549.8 67.6 101.4#

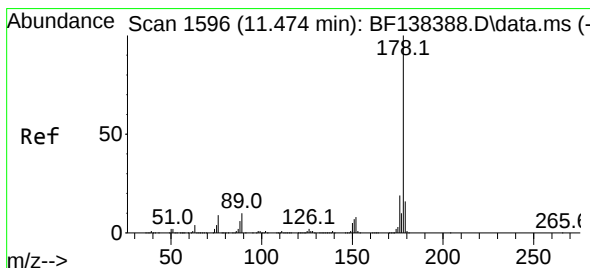
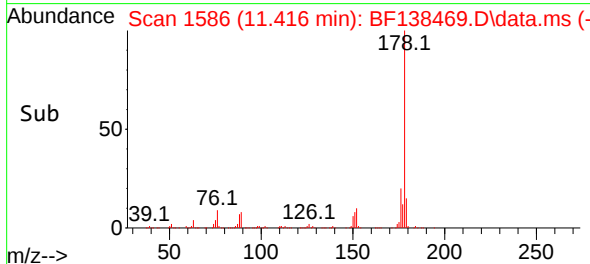
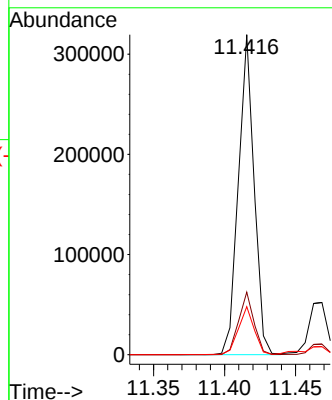
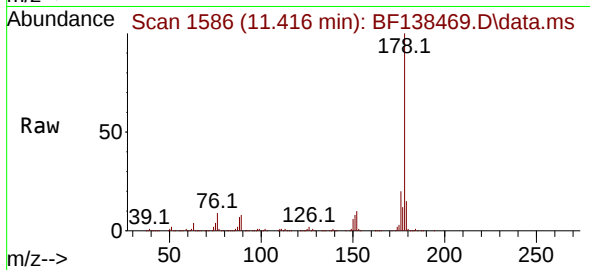




#71
Phenanthrene
Concen: 20.461 ng
RT: 11.416 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138469.D
Acq: 05 Jul 2024 15:32

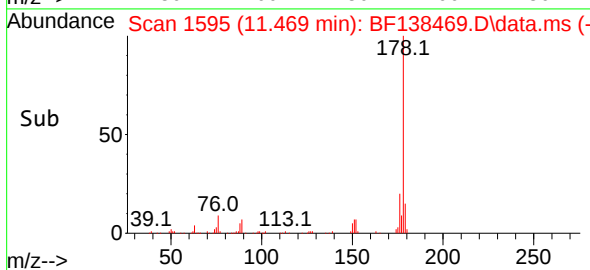
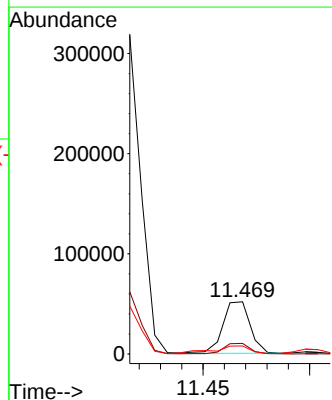
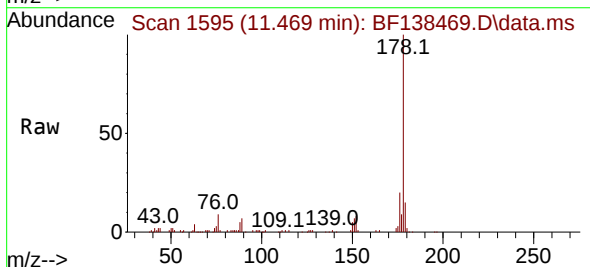
Instrument :
BNA_F
ClientSampleId :
B-140-SB00

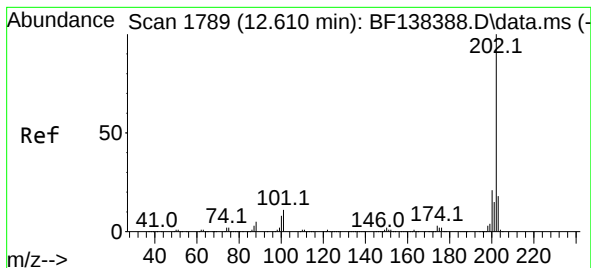
Tgt Ion:178 Resp: 245998
Ion Ratio Lower Upper
178 100
176 19.5 16.1 24.1
179 15.0 12.6 18.8



#72
Anthracene
Concen: 3.852 ng
RT: 11.469 min Scan# 1595
Delta R.T. -0.005 min
Lab File: BF138469.D
Acq: 05 Jul 2024 15:32

Tgt Ion:178 Resp: 46181
Ion Ratio Lower Upper
178 100
176 20.1 15.0 22.6
179 15.2 12.7 19.1





#75

Fluoranthene

Concen: 28.358 ng

RT: 12.604 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF138469.D

Acq: 05 Jul 2024 15:32

Instrument :

BNA_F

ClientSampleId :

B-140-SB00

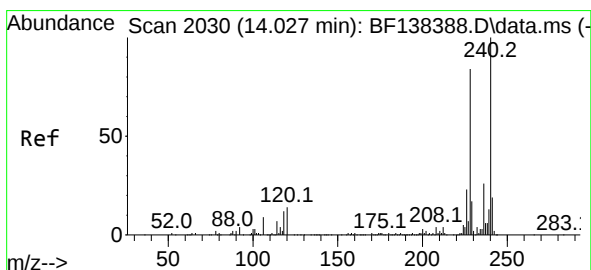
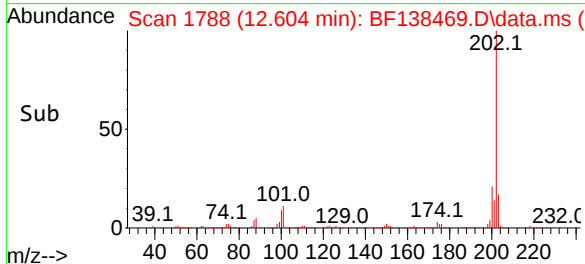
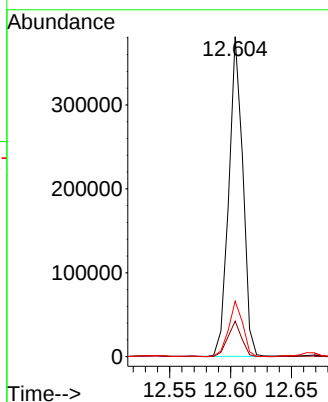
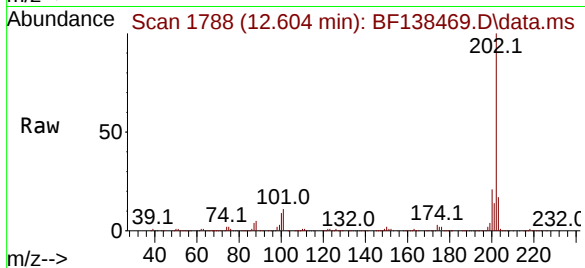
Tgt Ion:202 Resp: 305658

Ion Ratio Lower Upper

202 100

101 11.1 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: BF138469.D

Acq: 05 Jul 2024 15:32

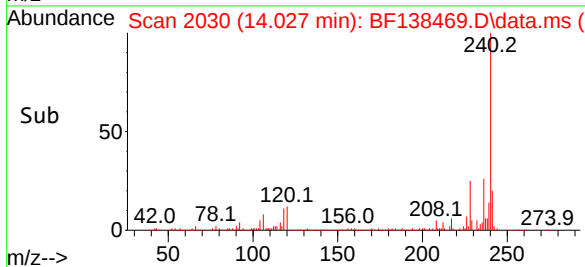
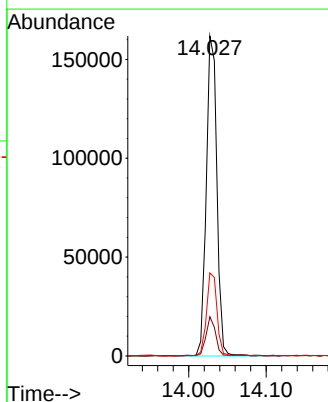
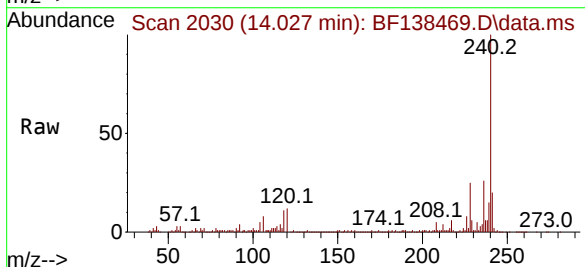
Tgt Ion:240 Resp: 153573

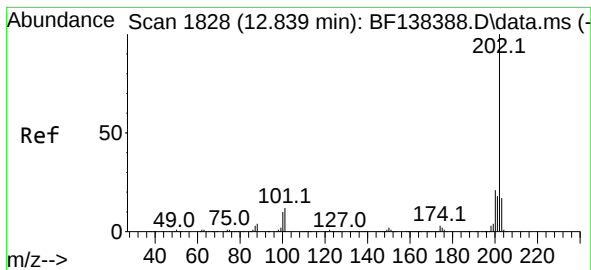
Ion Ratio Lower Upper

240 100

120 12.2 10.9 16.3

236 25.9 20.6 30.8





#78

Pyrene

Concen: 17.678 ng

RT: 12.833 min Scan# 1827

Delta R.T. -0.006 min

Lab File: BF138469.D

Acq: 05 Jul 2024 15:32

Instrument :

BNA_F

ClientSampleId :

B-140-SB00

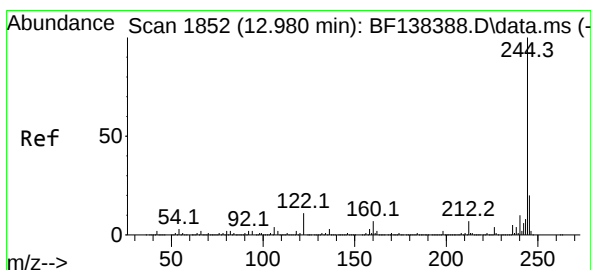
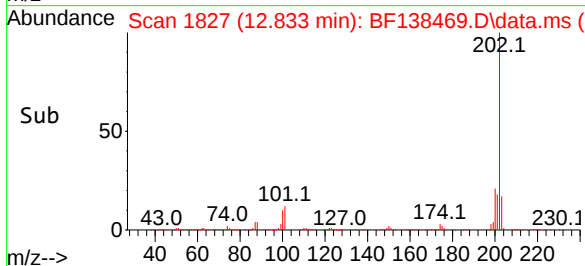
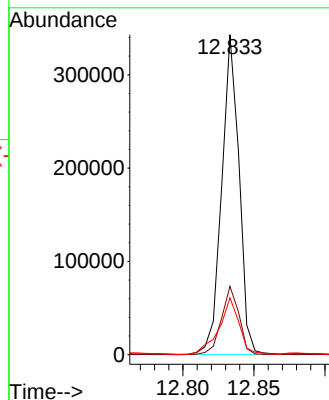
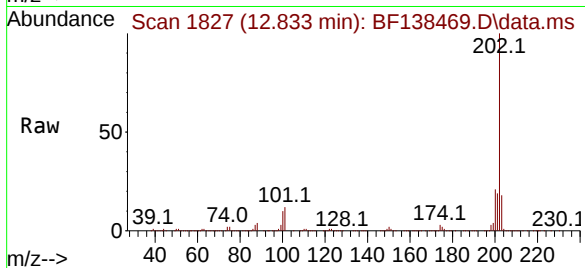
Tgt Ion:202 Resp: 290156

Ion Ratio Lower Upper

202 100

200 21.4 16.9 25.3

203 17.8 13.8 20.8



#79

Terphenyl-d14

Concen: 43.885 ng

RT: 12.974 min Scan# 1851

Delta R.T. -0.006 min

Lab File: BF138469.D

Acq: 05 Jul 2024 15:32

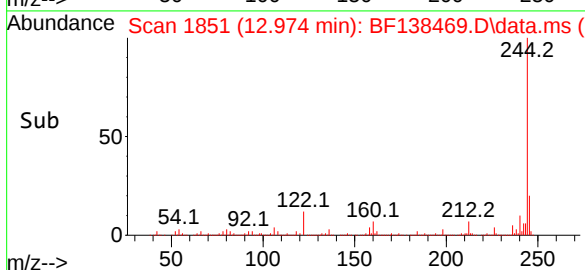
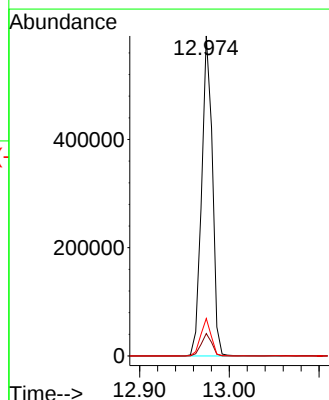
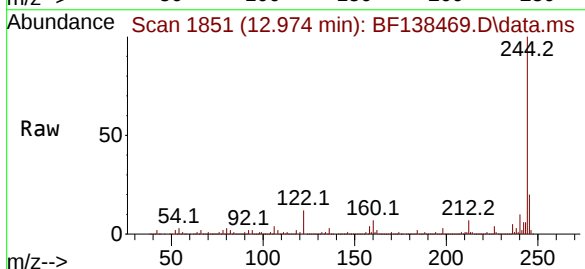
Tgt Ion:244 Resp: 491788

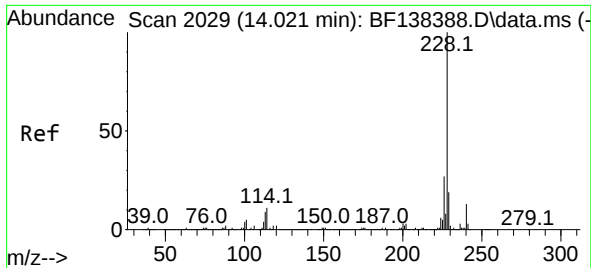
Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

122 11.7 9.0 13.4

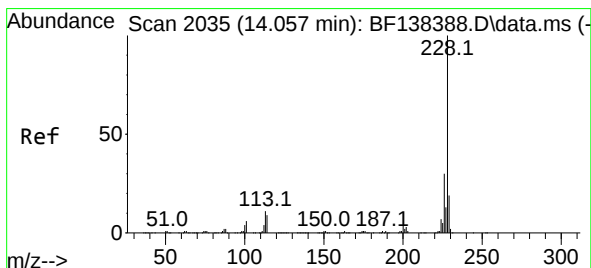
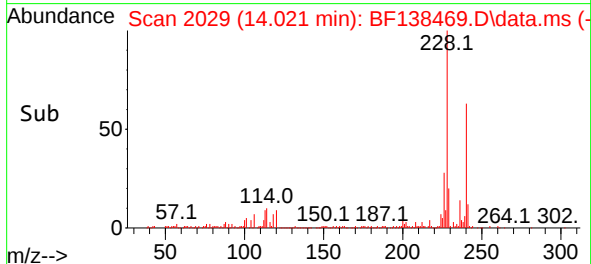
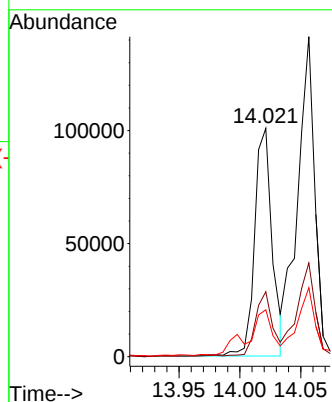
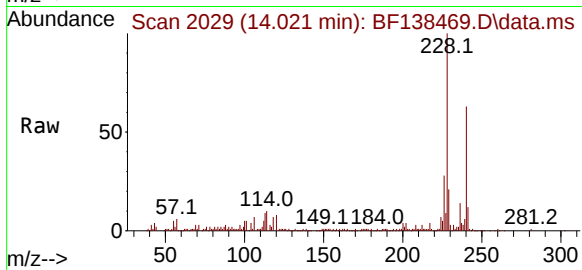




#81
Benzo(a)anthracene
Concen: 10.184 ng
RT: 14.021 min Scan# 2029
Delta R.T. -0.000 min
Lab File: BF138469.D
Acq: 05 Jul 2024 15:32

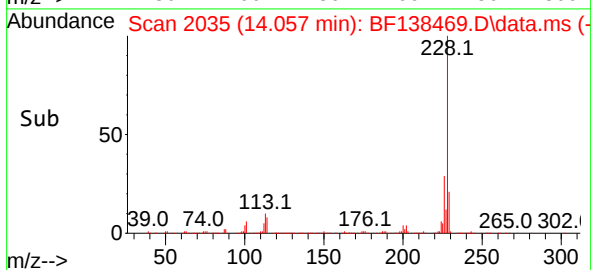
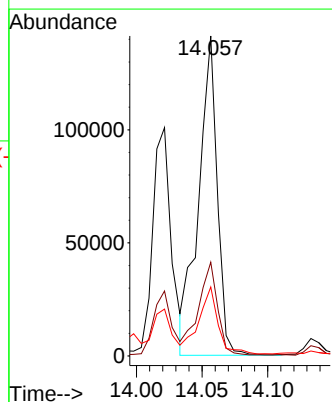
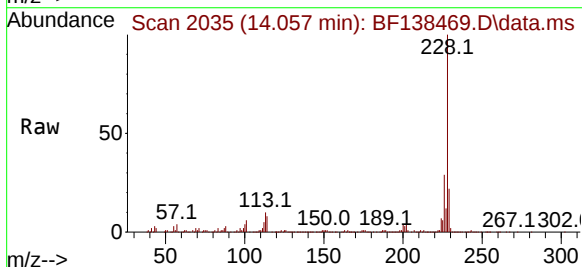
Instrument :
BNA_F
ClientSampleId :
B-140-SB00

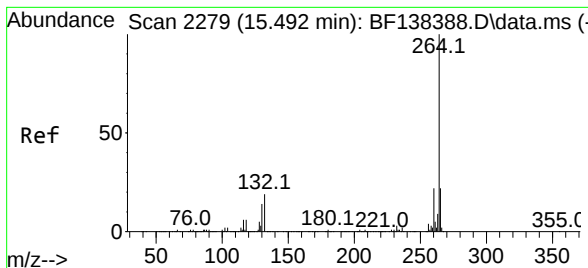
Tgt Ion:228 Resp: 100670
Ion Ratio Lower Upper
228 100
226 28.4 21.7 32.5
229 20.6 15.5 23.3



#83
Chrysene
Concen: 14.629 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.000 min
Lab File: BF138469.D
Acq: 05 Jul 2024 15:32

Tgt Ion:228 Resp: 140707
Ion Ratio Lower Upper
228 100
226 29.3 23.8 35.6
229 21.6 15.2 22.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.498 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF138469.D

Acq: 05 Jul 2024 15:32

Instrument :

BNA_F

ClientSampleId :

B-140-SB00

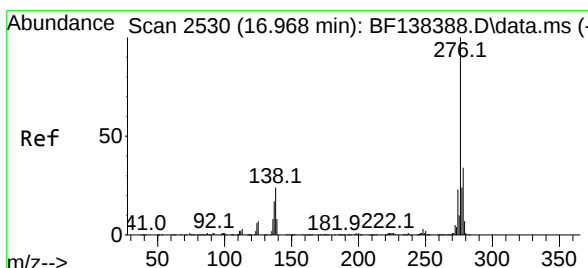
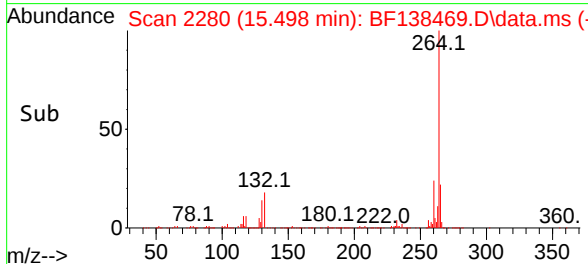
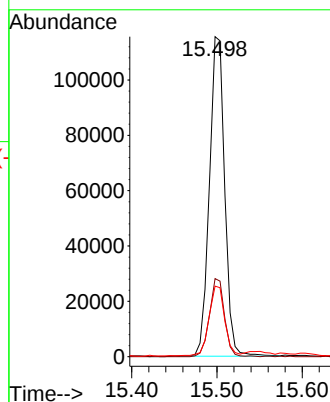
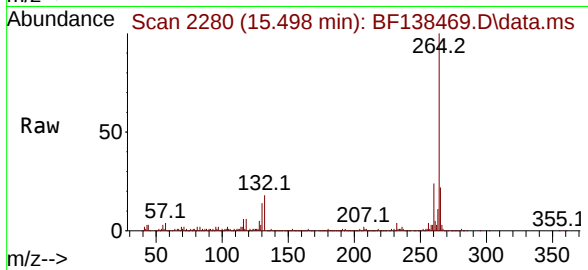
Tgt Ion:264 Resp: 144134

Ion Ratio Lower Upper

264 100

260 24.4 17.8 26.6

265 22.0 17.5 26.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.207 ng

RT: 16.968 min Scan# 2530

Delta R.T. -0.000 min

Lab File: BF138469.D

Acq: 05 Jul 2024 15:32

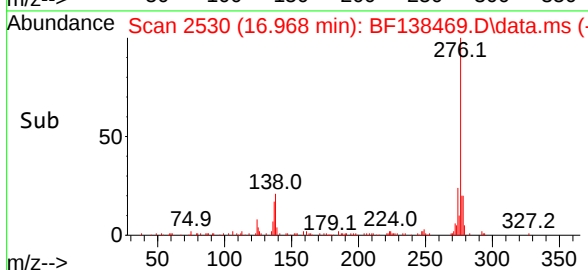
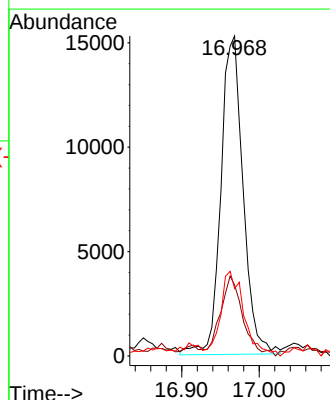
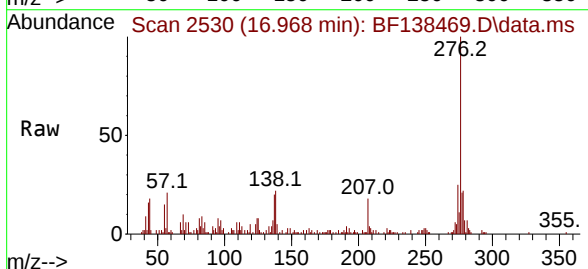
Tgt Ion:276 Resp: 30465

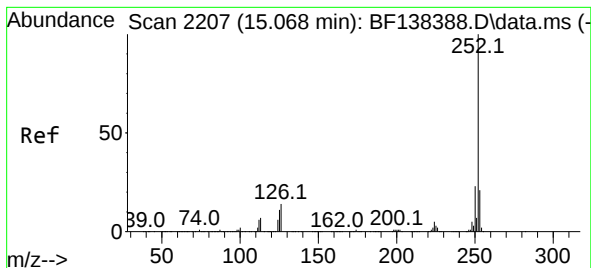
Ion Ratio Lower Upper

276 100

138 25.1 22.1 33.1

277 27.9 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 21.903 ng

RT: 15.068 min Scan# 2207

Delta R.T. -0.000 min

Lab File: BF138469.D

Acq: 05 Jul 2024 15:32

Instrument :

BNA_F

ClientSampleId :

B-140-SB00

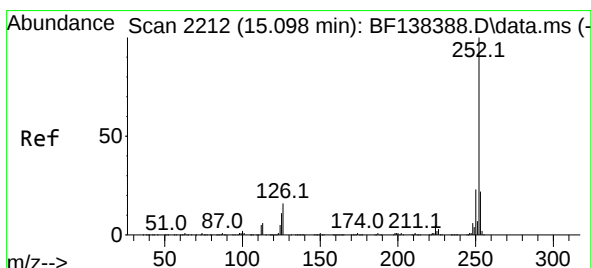
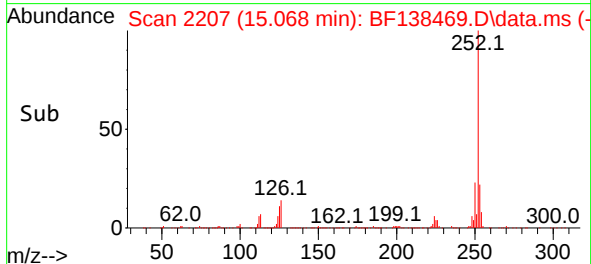
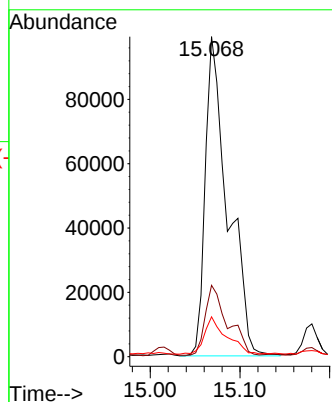
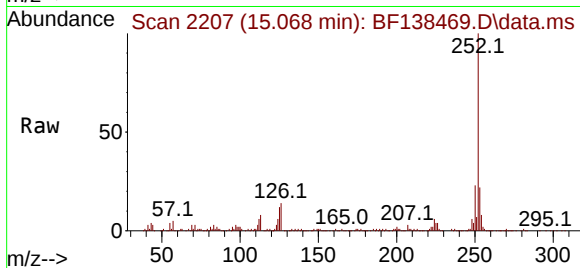
Tgt Ion:252 Resp: 173215

Ion Ratio Lower Upper

252 100

253 22.3 17.0 25.4

125 12.4 8.6 12.8



#89

Benzo(k)fluoranthene

Concen: 23.780 ng

RT: 15.068 min Scan# 2207

Delta R.T. -0.029 min

Lab File: BF138469.D

Acq: 05 Jul 2024 15:32

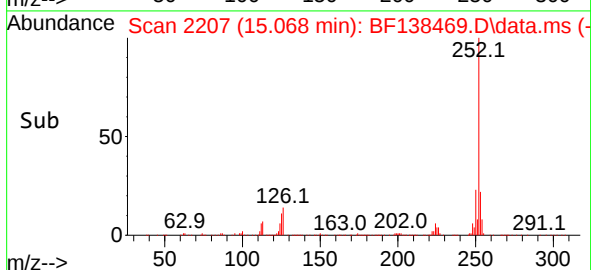
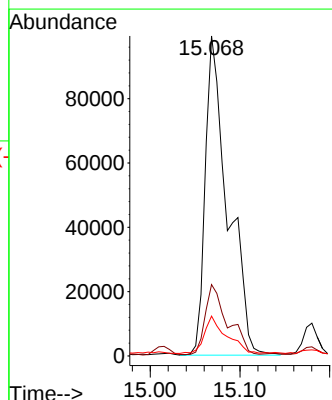
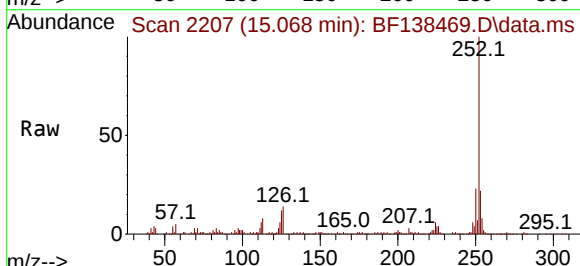
Tgt Ion:252 Resp: 173215

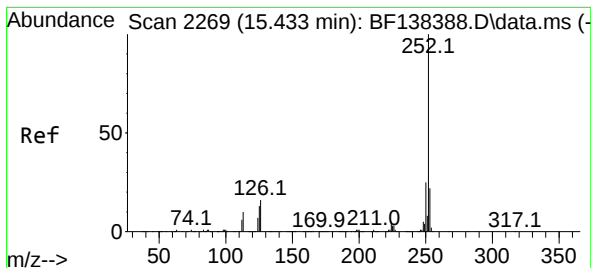
Ion Ratio Lower Upper

252 100

253 22.3 17.4 26.2

125 12.4 8.7 13.1





#90

Benzo(a)pyrene

Concen: 8.844 ng

RT: 15.433 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF138469.D

Acq: 05 Jul 2024 15:32

Instrument :

BNA_F

ClientSampleId :

B-140-SB00

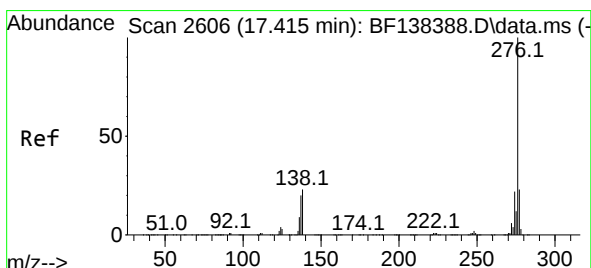
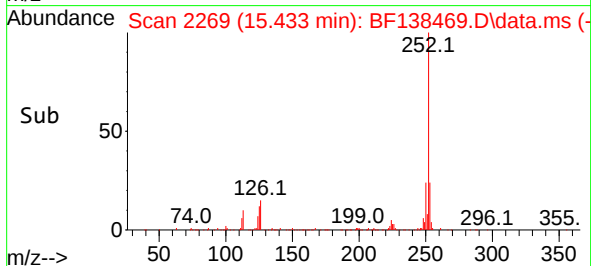
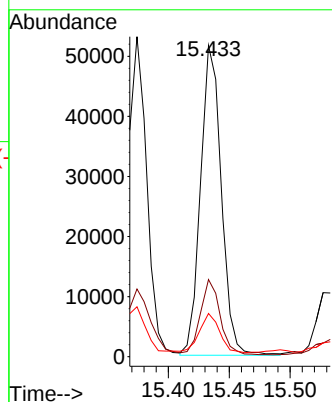
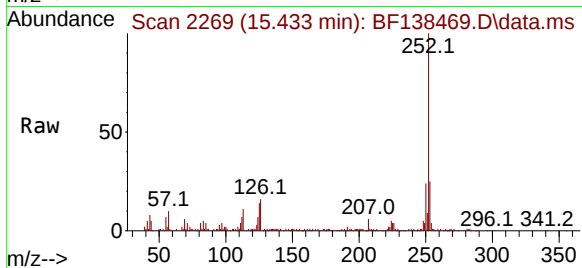
Tgt Ion:252 Resp: 61300

Ion Ratio Lower Upper

252 100

253 24.8 17.6 26.4

125 13.9 10.2 15.2



#92

Benzo(g,h,i)perylene

Concen: 5.214 ng

RT: 17.409 min Scan# 2605

Delta R.T. -0.006 min

Lab File: BF138469.D

Acq: 05 Jul 2024 15:32

Tgt Ion:276 Resp: 29817

Ion Ratio Lower Upper

276 100

277 25.8 18.3 27.5

138 19.1 18.3 27.5

