

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072924\
 Data File : BF138678.D
 Acq On : 29 Jul 2024 19:47
 Operator : RC/JU
 Sample : P3367-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-06-07252024

Quant Time: Jul 30 01:02:15 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF070924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 09 16:58:40 2024
 Response via : Initial Calibration

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

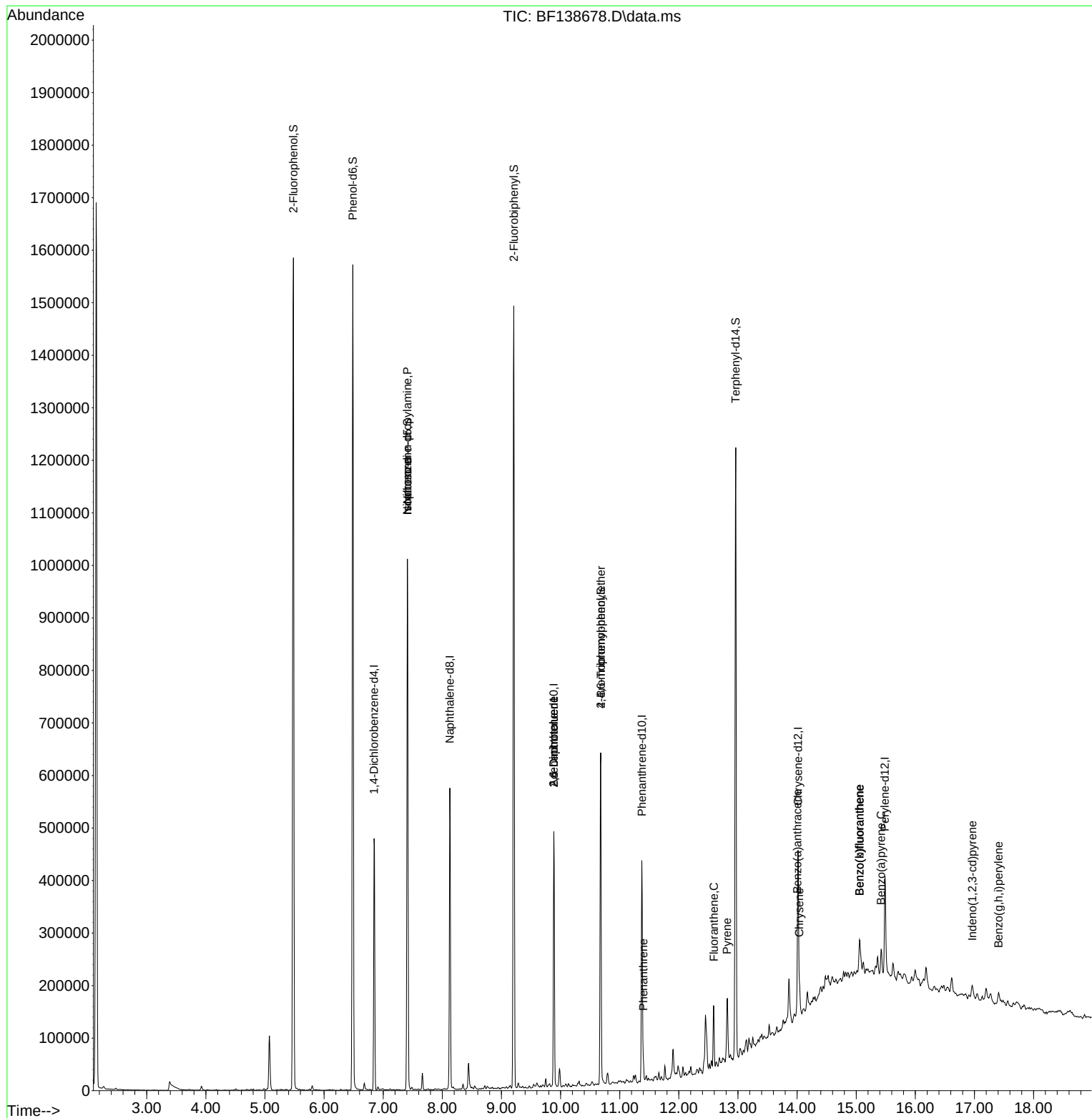
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	95571	20.000	ng	-0.02
21) Naphthalene-d8	8.128	136	338186	20.000	ng	-0.02
39) Acenaphthene-d10	9.886	164	136024	20.000	ng	-0.02
64) Phenanthrene-d10	11.374	188	205379	20.000	ng	-0.01
76) Chrysene-d12	14.015	240	125312	20.000	ng	-0.01
86) Perylene-d12	15.486	264	105364	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	541530	89.740	ng	-0.01
7) Phenol-d6	6.487	99	703834	87.677	ng	-0.02
23) Nitrobenzene-d5	7.410	82	434509	63.082	ng	-0.02
42) 2,4,6-Tribromophenol	10.680	330	98100	77.166	ng	-0.01
45) 2-Fluorobiphenyl	9.210	172	627667	72.118	ng	-0.02
79) Terphenyl-d14	12.963	244	554328	72.065	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.410	70	59326	11.960	ng	# 71
25) Isophorone	7.410	82	434504	36.733	ng	# 67
51) 2,6-Dinitrotoluene	9.886	165	17894	8.836	ng	# 25
57) 2,4-Dinitrotoluene	9.886	165	17894	6.829	ng	# 19
67) 4-Bromophenyl-phenylether	10.680	248	6859	3.249	ng	# 1
71) Phenanthrene	11.398	178	21064	2.030	ng	98
75) Fluoranthene	12.592	202	67083	6.336	ng	98
78) Pyrene	12.816	202	64908	5.102	ng	97
81) Benzo(a)anthracene	14.004	228	31347	3.728	ng	# 90
83) Chrysene	14.039	228	32615	4.100	ng	# 96
87) Indeno(1,2,3-cd)pyrene	16.962	276	16901	2.388	ng	99
88) Benzo(b)fluoranthene	15.057	252	46881	7.901	ng	# 87
89) Benzo(k)fluoranthene	15.057	252	46881	8.101	ng	# 87
90) Benzo(a)pyrene	15.421	252	23806	4.567	ng	# 88
92) Benzo(g,h,i)perylene	17.409	276	17995	2.931	ng	# 85

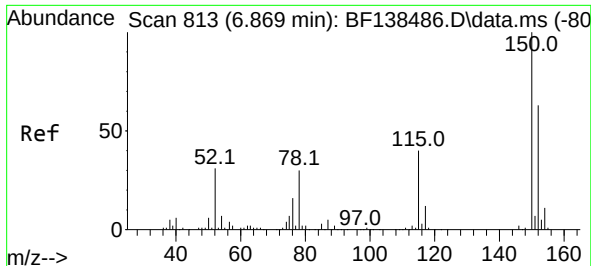
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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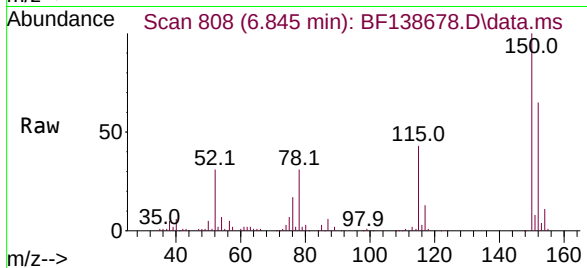
Quant Time: Jul 30 01:02:15 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF070924.M
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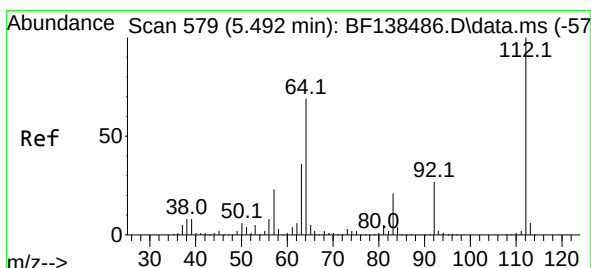
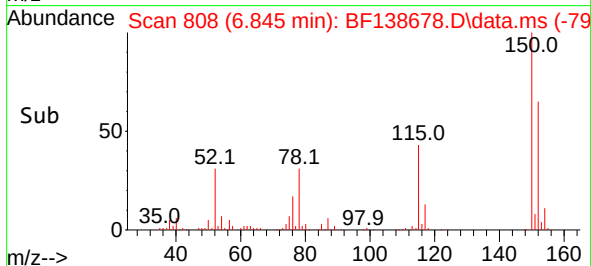
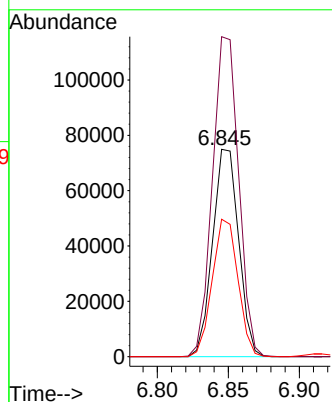


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 808
Delta R.T. -0.024 min
Lab File: BF138678.D
Acq: 29 Jul 2024 19:47

Instrument :
BNA_F
ClientSampleId :
TR-06-07252024

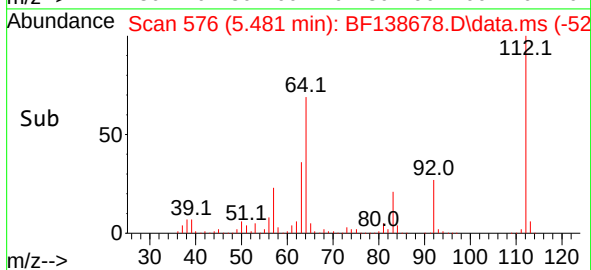
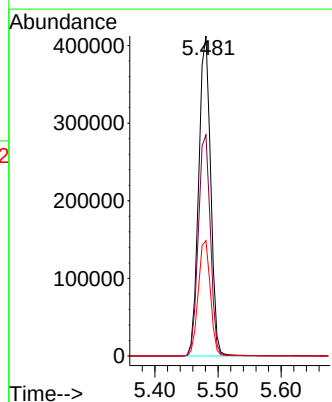
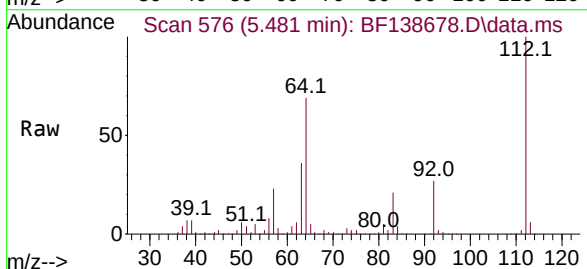


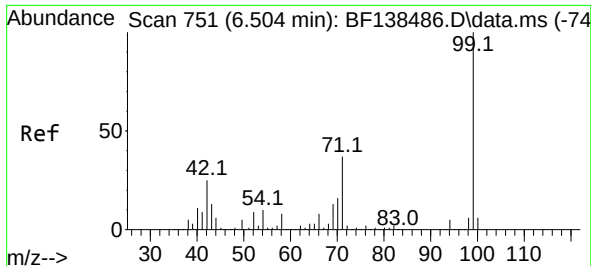
Tgt Ion:152 Resp: 95571
Ion Ratio Lower Upper
152 100
150 154.4 126.2 189.4
115 66.3 50.3 75.5



#5
2-Fluorophenol
Concen: 89.740 ng
RT: 5.481 min Scan# 576
Delta R.T. -0.012 min
Lab File: BF138678.D
Acq: 29 Jul 2024 19:47

Tgt Ion:112 Resp: 541530
Ion Ratio Lower Upper
112 100
64 69.1 55.1 82.7
63 36.1 29.0 43.6

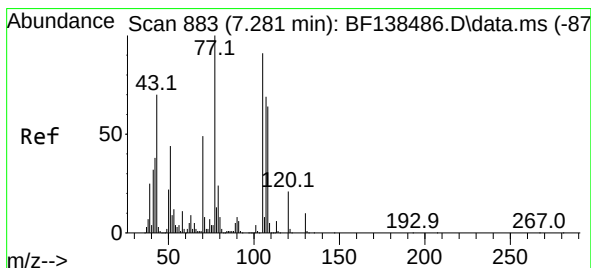
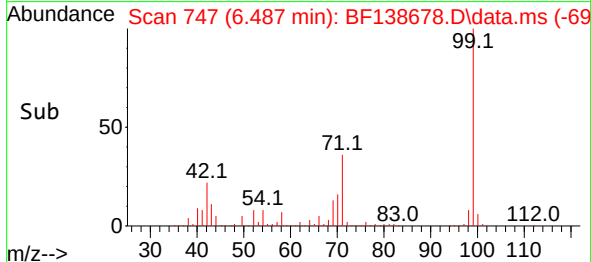
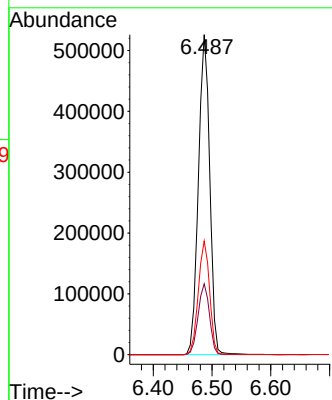
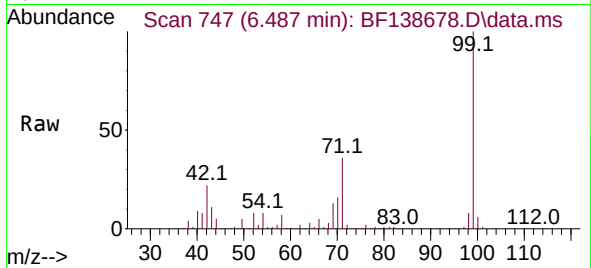




#7
Phenol-d6
Concen: 87.677 ng
RT: 6.487 min Scan# 74
Delta R.T. -0.018 min
Lab File: BF138678.D
Acq: 29 Jul 2024 19:47

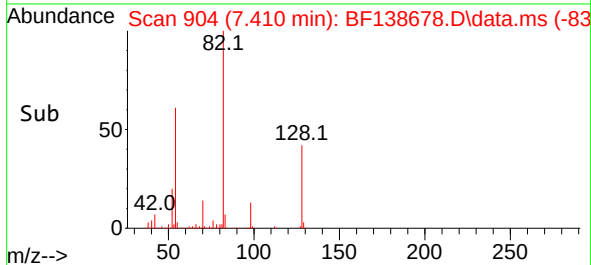
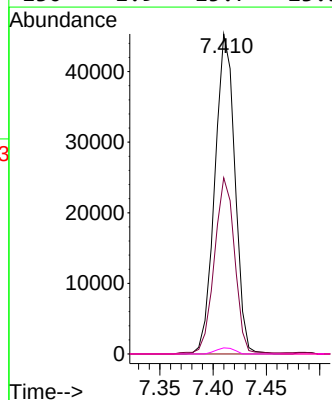
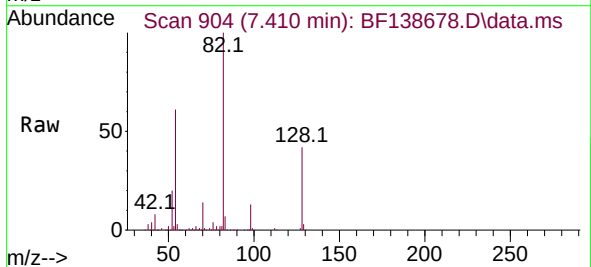
Instrument :
BNA_F
ClientSampleId :
TR-06-07252024

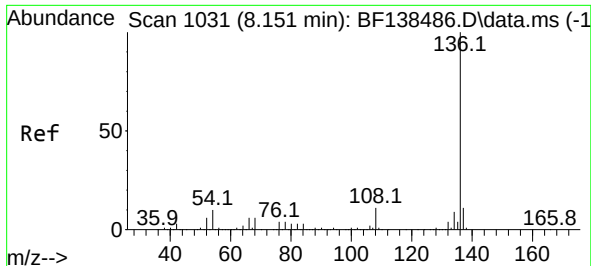
Tgt Ion: 99 Resp: 703834
Ion Ratio Lower Upper
99 100
42 22.2 19.7 29.5
71 35.6 29.9 44.9



#19
n-Nitroso-di-n-propylamine
Concen: 11.960 ng
RT: 7.410 min Scan# 904
Delta R.T. 0.129 min
Lab File: BF138678.D
Acq: 29 Jul 2024 19:47

Tgt Ion: 70 Resp: 59326
Ion Ratio Lower Upper
70 100
42 55.1 62.4 93.6#
101 0.0 7.2 10.8#
130 1.9 15.7 23.5#

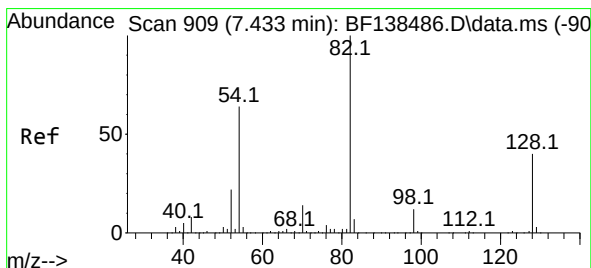
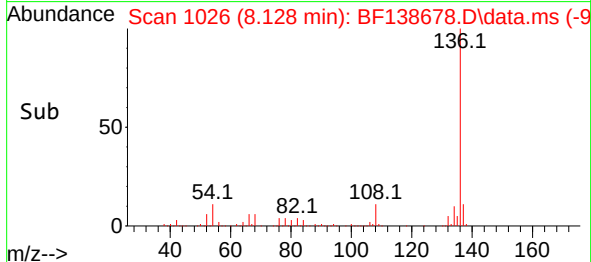
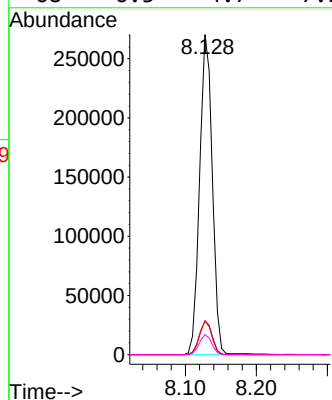
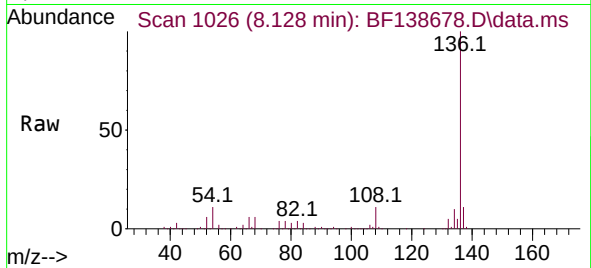




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1026
Delta R.T. -0.023 min
Lab File: BF138678.D
Acq: 29 Jul 2024 19:47

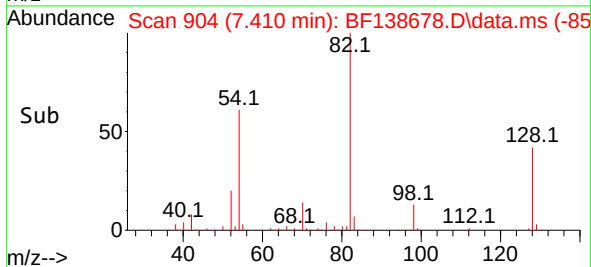
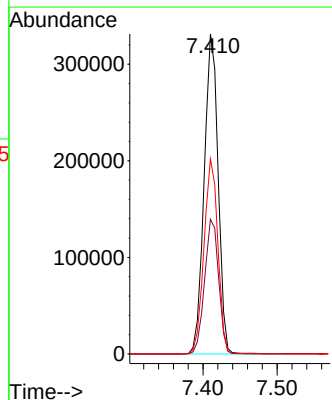
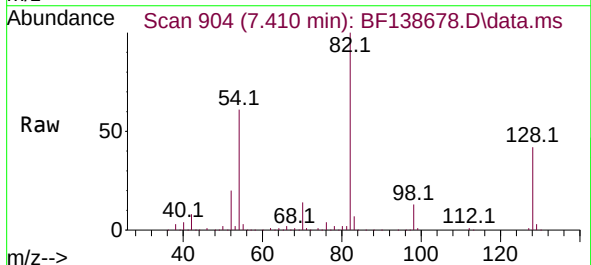
Instrument :
BNA_F
ClientSampleId :
TR-06-07252024

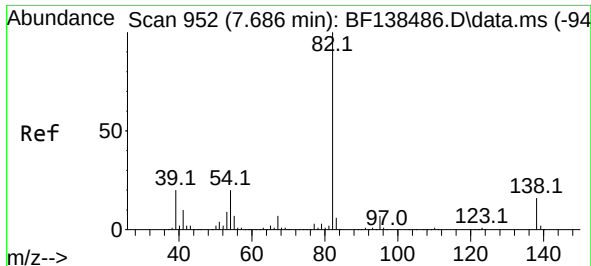
Tgt Ion	136	Resp:	338186
	Ratio	Lower	Upper
136	100		
137	10.6	8.5	12.7
54	10.5	8.1	12.1
68	6.3	4.7	7.1



#23
Nitrobenzene-d5
Concen: 63.082 ng
RT: 7.410 min Scan# 904
Delta R.T. -0.023 min
Lab File: BF138678.D
Acq: 29 Jul 2024 19:47

Tgt Ion: 82	Resp: 434509
Ion Ratio	Lower Upper
82 100	
128 42.1	32.3 48.5
54 60.9	51.4 77.0

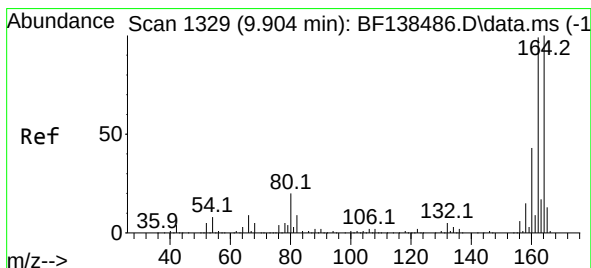
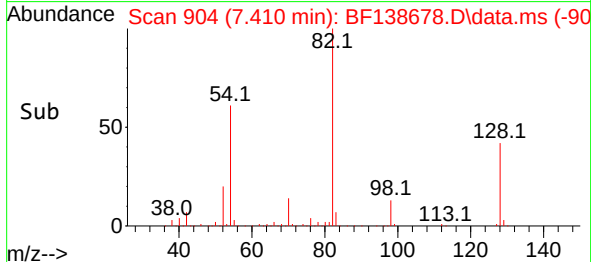
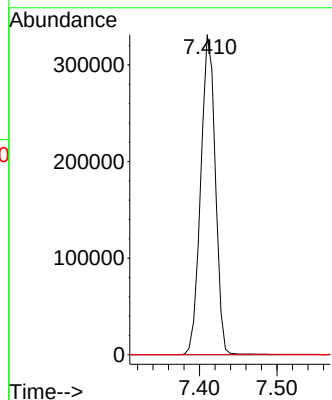
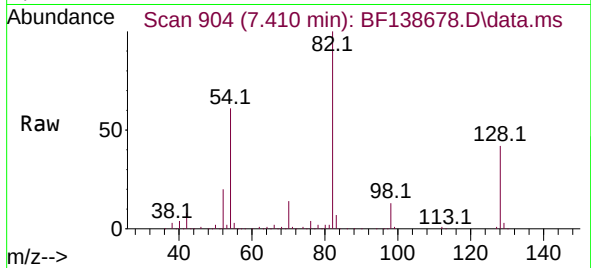




#25
Isophorone
Concen: 36.733 ng
RT: 7.410 min Scan# 90
Delta R.T. -0.276 min
Lab File: BF138678.D
Acq: 29 Jul 2024 19:47

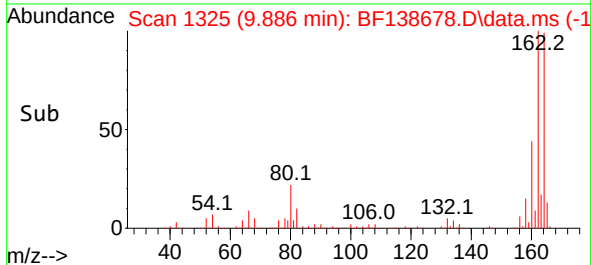
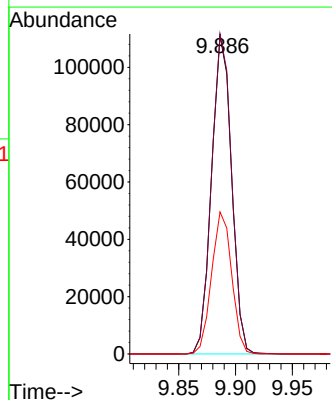
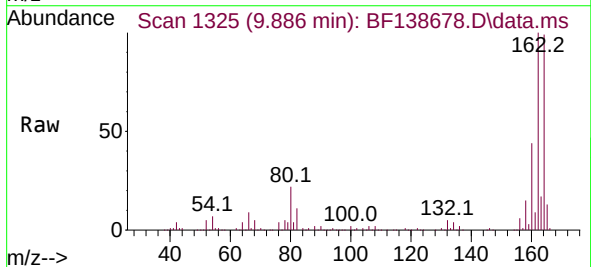
Instrument :
BNA_F
ClientSampleId :
TR-06-07252024

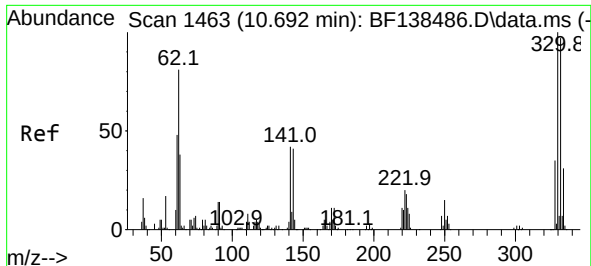
Tgt Ion: 82 Resp: 434504
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 12.8 19.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1325
Delta R.T. -0.018 min
Lab File: BF138678.D
Acq: 29 Jul 2024 19:47

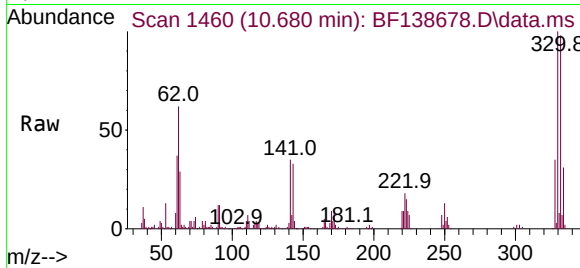
Tgt Ion: 164 Resp: 136024
Ion Ratio Lower Upper
164 100
162 100.6 79.0 118.6
160 44.7 34.4 51.6



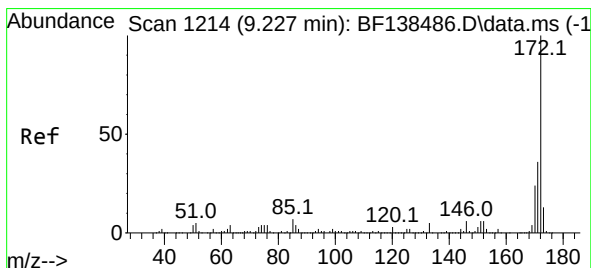
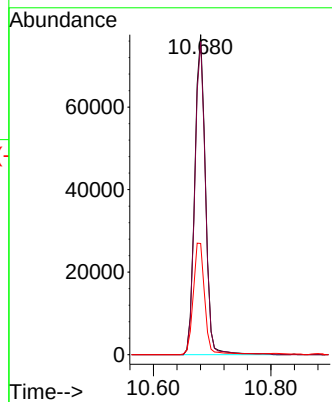
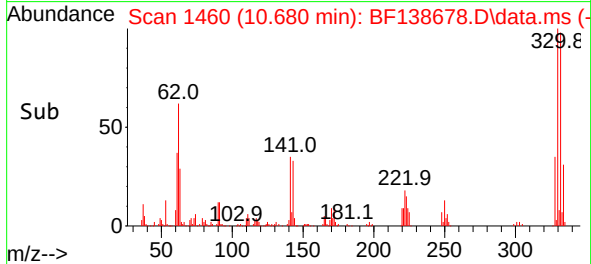


#42
2,4,6-Tribromophenol
Concen: 77.166 ng
RT: 10.680 min Scan# 1460
Delta R.T. -0.012 min
Lab File: BF138678.D
Acq: 29 Jul 2024 19:47

Instrument :
BNA_F
ClientSampleId :
TR-06-07252024

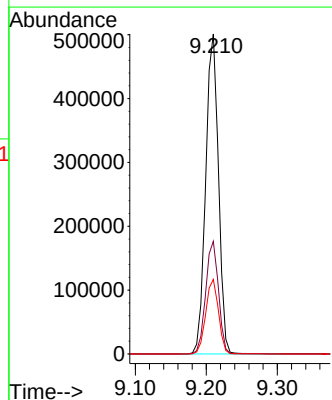
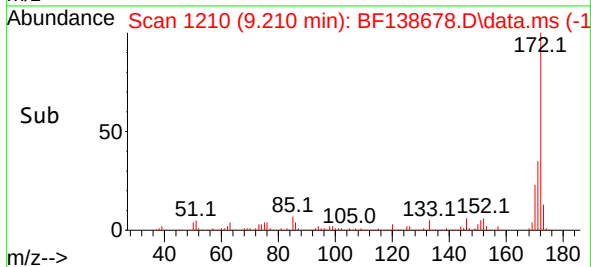
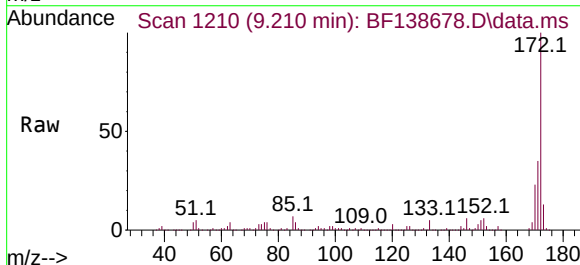


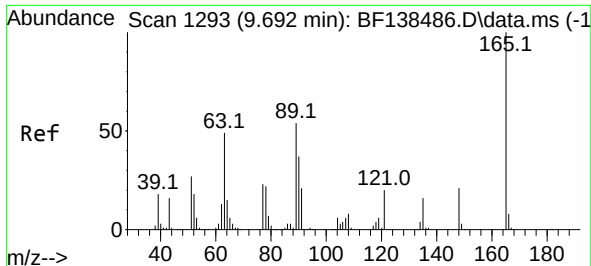
Tgt Ion:330 Resp: 98100
Ion Ratio Lower Upper
330 100
332 97.7 76.8 115.2
141 37.6 29.4 44.2



#45
2-Fluorobiphenyl
Concen: 72.118 ng
RT: 9.210 min Scan# 1210
Delta R.T. -0.018 min
Lab File: BF138678.D
Acq: 29 Jul 2024 19:47

Tgt Ion:172 Resp: 627667
Ion Ratio Lower Upper
172 100
171 35.2 28.9 43.3
170 23.3 18.9 28.3





#51

2,6-Dinitrotoluene

Concen: 8.836 ng

RT: 9.886 min Scan# 1

Delta R.T. 0.194 min

Lab File: BF138678.D

Acq: 29 Jul 2024 19:47

Instrument :

BNA_F

ClientSampleId :

TR-06-07252024

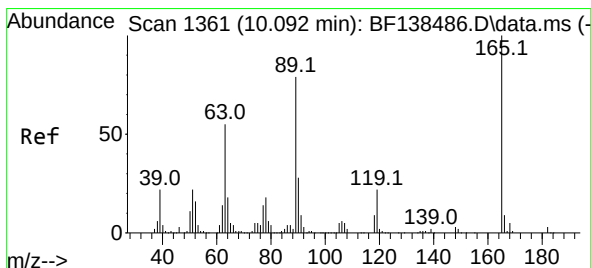
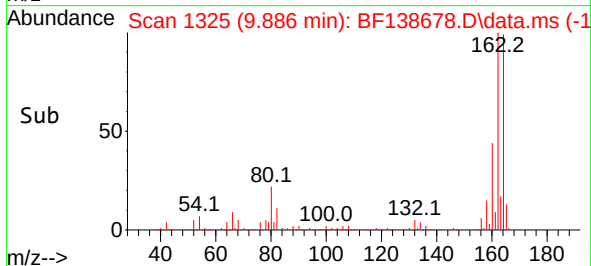
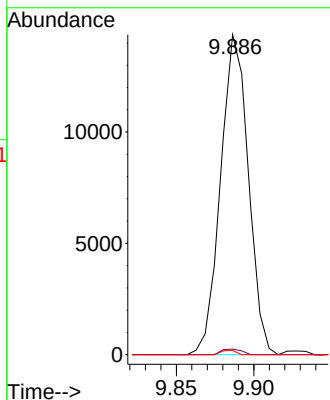
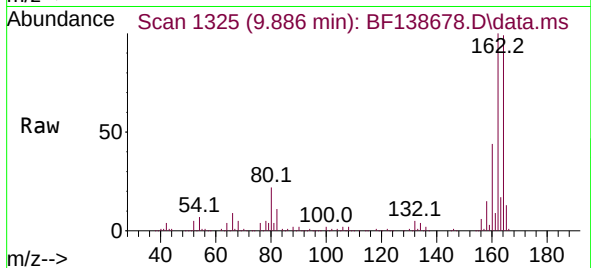
Tgt Ion:165 Resp: 17894

Ion Ratio Lower Upper

165 100

63 1.8 48.1 72.1#

89 1.4 43.0 64.6#



#57

2,4-Dinitrotoluene

Concen: 6.829 ng

RT: 9.886 min Scan# 1325

Delta R.T. -0.206 min

Lab File: BF138678.D

Acq: 29 Jul 2024 19:47

Tgt Ion:165 Resp: 17894

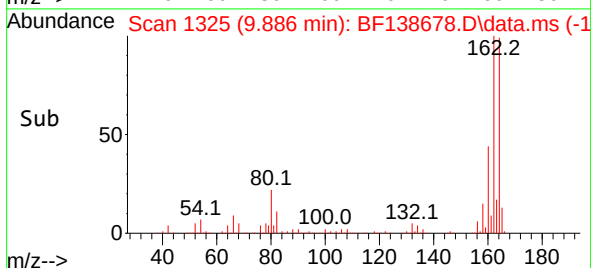
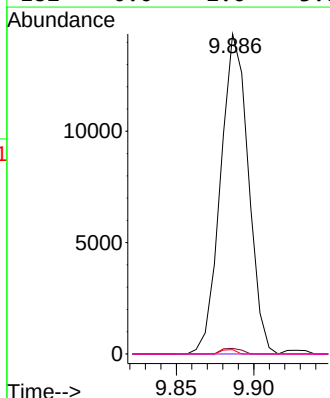
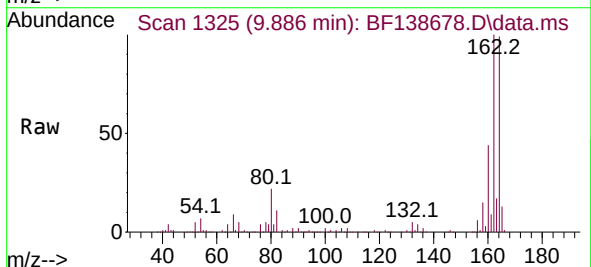
Ion Ratio Lower Upper

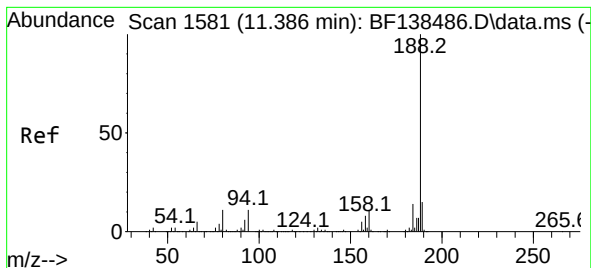
165 100

63 1.8 44.6 66.8#

89 1.4 63.4 95.2#

182 0.0 2.6 3.8#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.374 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF138678.D

Acq: 29 Jul 2024 19:47

Instrument :

BNA_F

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TR-06-07252024

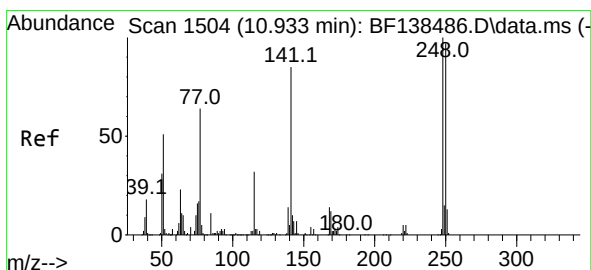
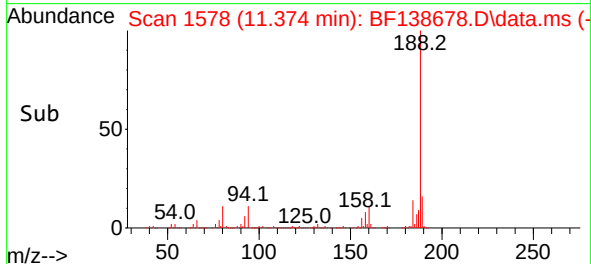
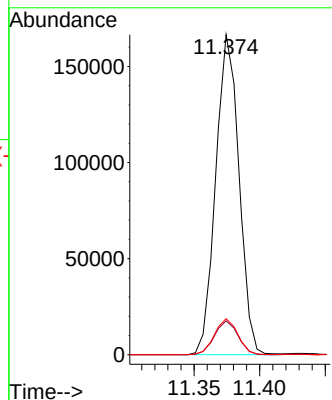
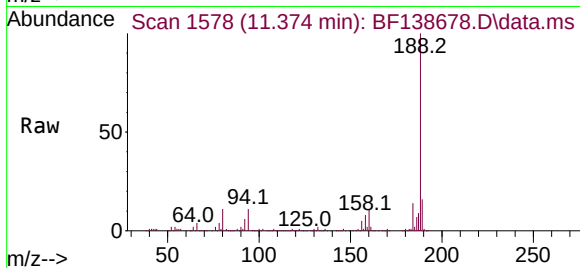
Tgt Ion:188 Resp: 205379

Ion Ratio Lower Upper

188 100

94 10.6 8.7 13.1

80 11.3 9.0 13.4



#67

4-Bromophenyl-phenylether

Concen: 3.249 ng

RT: 10.680 min Scan# 1460

Delta R.T. -0.253 min

Lab File: BF138678.D

Acq: 29 Jul 2024 19:47

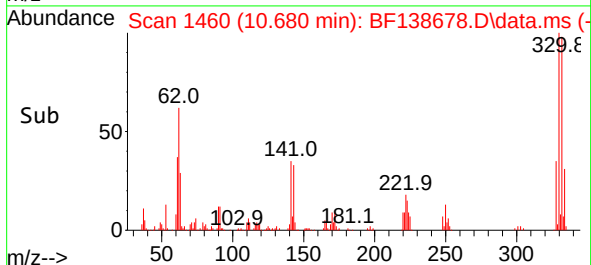
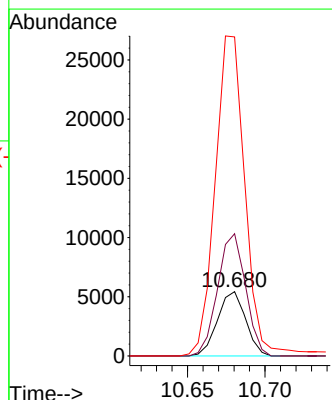
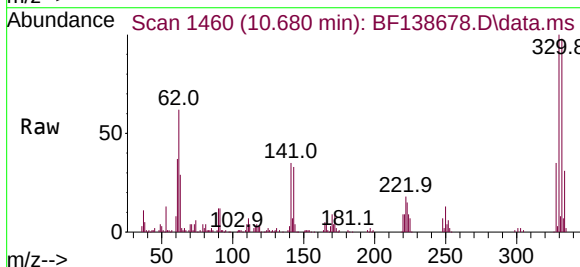
Tgt Ion:248 Resp: 6859

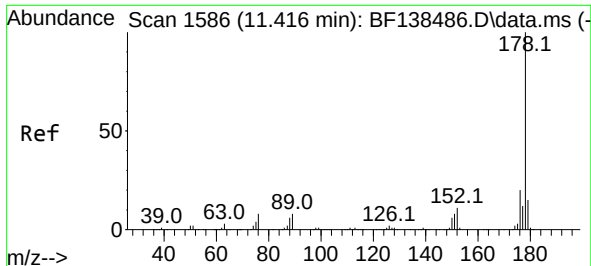
Ion Ratio Lower Upper

248 100

250 190.2 77.9 116.9#

141 496.0 67.7 101.5#

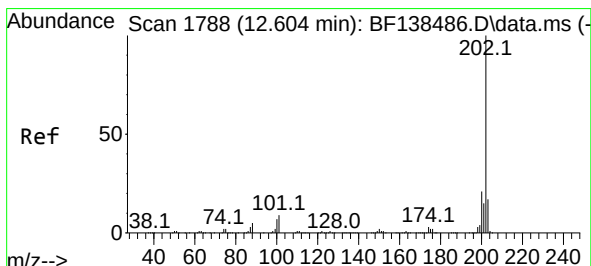
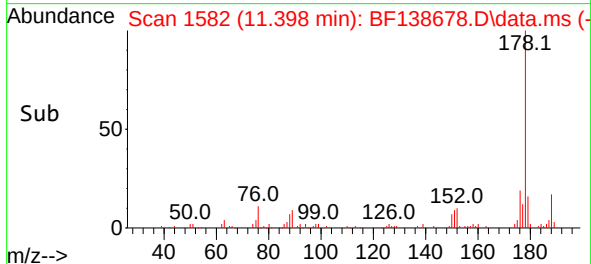
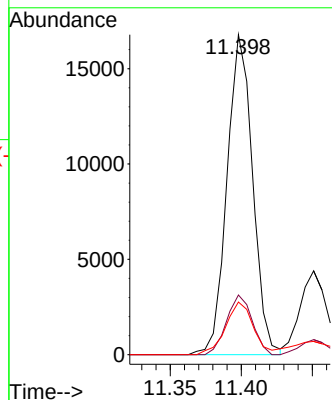
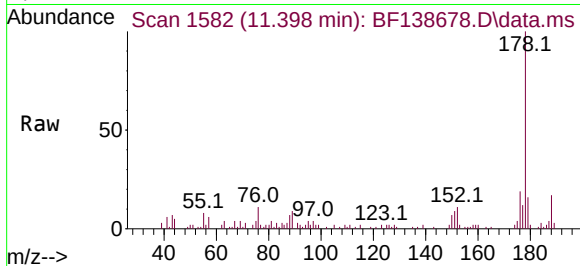




#71
Phenanthrene
Concen: 2.030 ng
RT: 11.398 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF138678.D
Acq: 29 Jul 2024 19:47

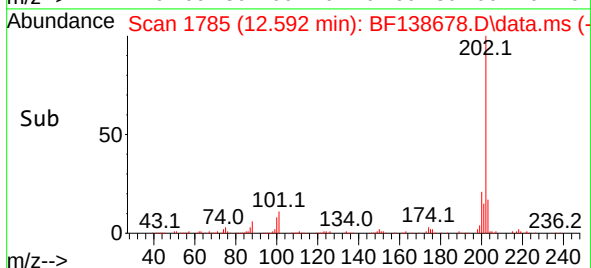
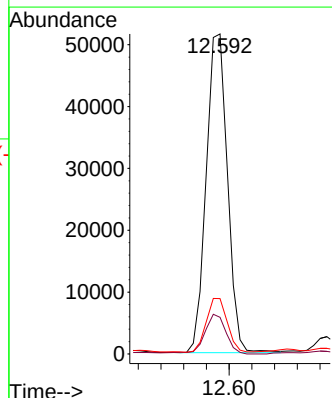
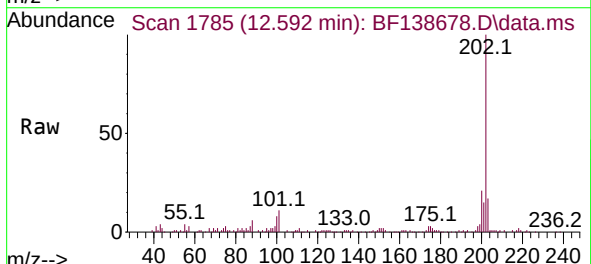
Instrument :
BNA_F
ClientSampleId :
TR-06-07252024

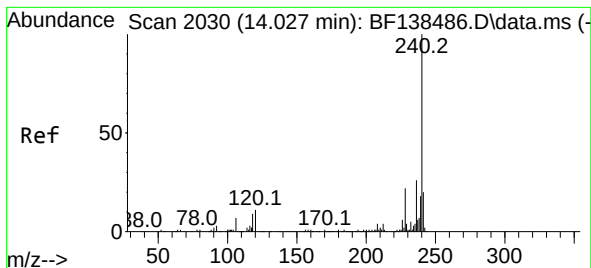
Tgt Ion:178 Resp: 21064
Ion Ratio Lower Upper
178 100
176 18.7 15.7 23.5
179 16.5 12.2 18.2



#75
Fluoranthene
Concen: 6.336 ng
RT: 12.592 min Scan# 1785
Delta R.T. -0.012 min
Lab File: BF138678.D
Acq: 29 Jul 2024 19:47

Tgt Ion:202 Resp: 67083
Ion Ratio Lower Upper
202 100
101 11.4 0.0 29.2
203 17.3 0.0 37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.015 min Scan# 2030

Delta R.T. -0.012 min

Lab File: BF138678.D

Acq: 29 Jul 2024 19:47

Instrument :

BNA_F

ClientSampleId :

TR-06-07252024

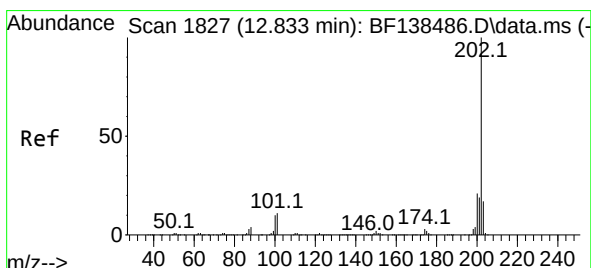
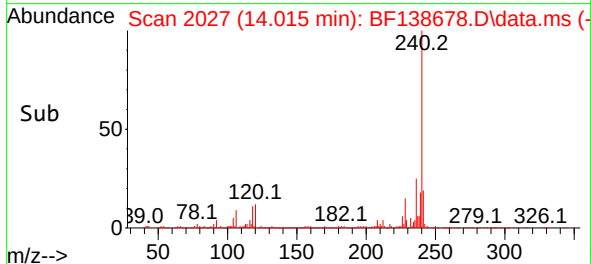
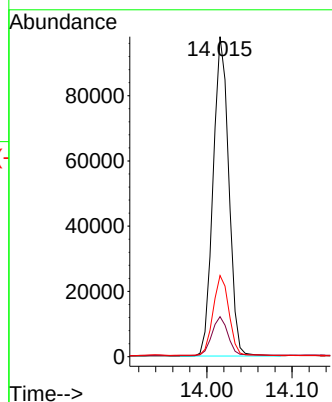
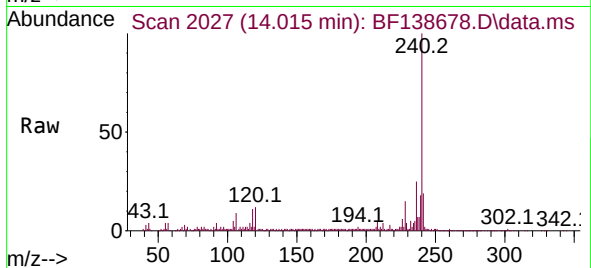
Tgt Ion:240 Resp: 125312

Ion Ratio Lower Upper

240 100

120 12.5 8.6 12.8

236 25.4 21.0 31.6



#78

Pyrene

Concen: 5.102 ng

RT: 12.816 min Scan# 1823

Delta R.T. -0.018 min

Lab File: BF138678.D

Acq: 29 Jul 2024 19:47

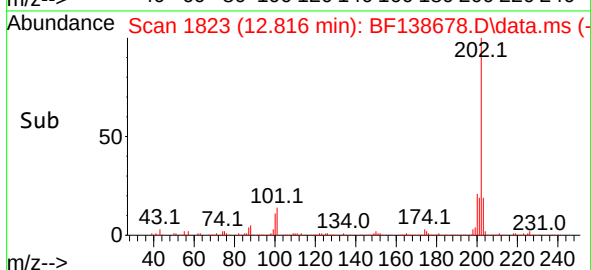
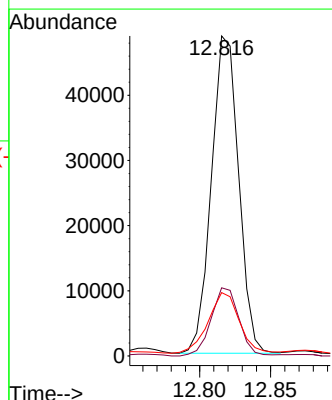
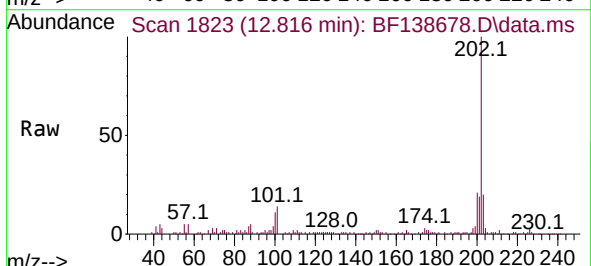
Tgt Ion:202 Resp: 64908

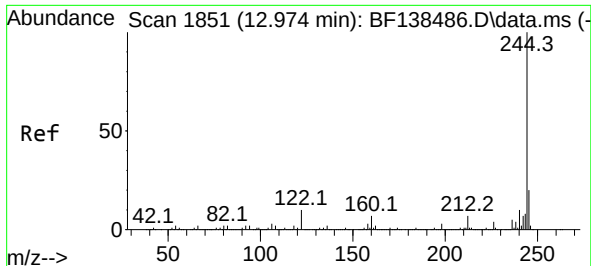
Ion Ratio Lower Upper

202 100

200 21.3 17.0 25.6

203 19.8 13.7 20.5

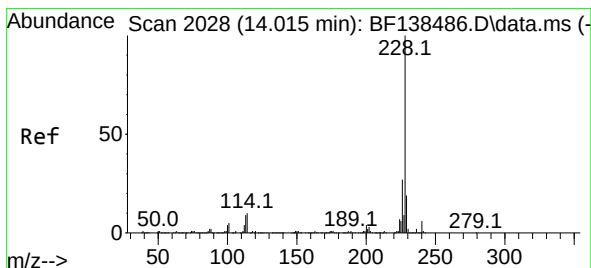
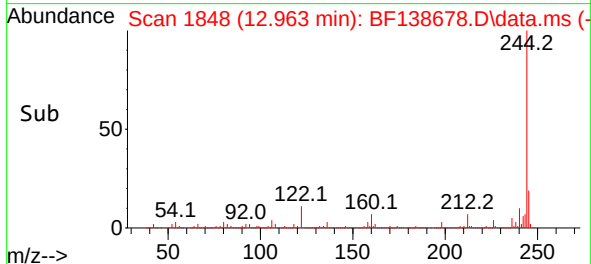
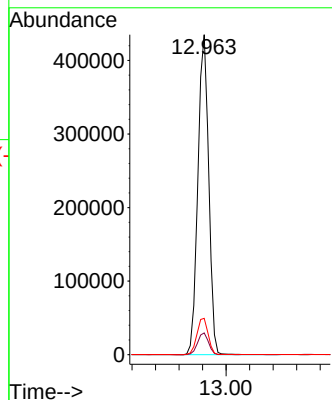
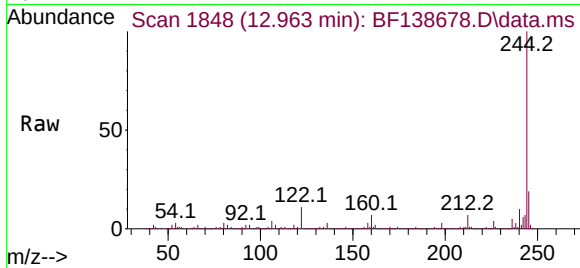




#79
 Terphenyl-d14
 Concen: 72.065 ng
 RT: 12.963 min Scan# 1848
 Delta R.T. -0.012 min
 Lab File: BF138678.D
 Acq: 29 Jul 2024 19:47

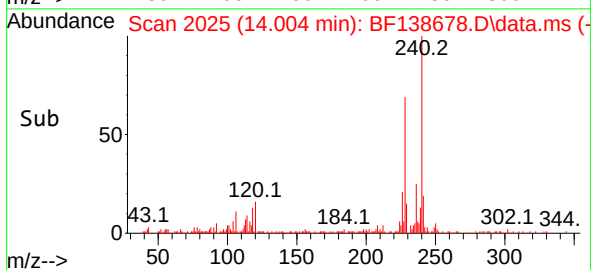
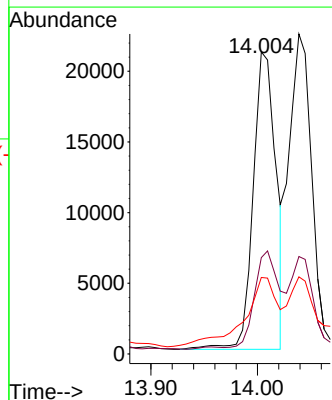
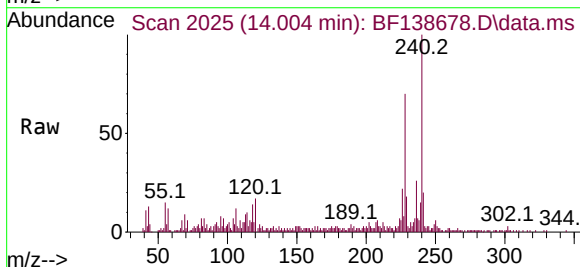
Instrument :
 BNA_F
 ClientSampleId :
 TR-06-07252024

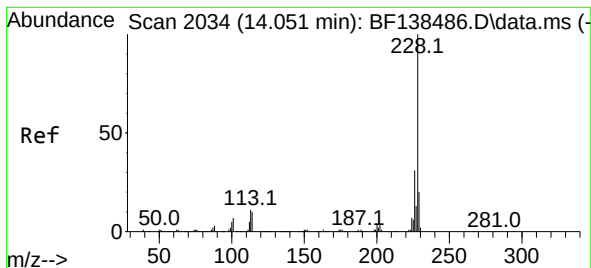
Tgt Ion:244 Resp: 554328
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.5 8.3
 122 11.4 7.8 11.8



#81
 Benzo(a)anthracene
 Concen: 3.728 ng
 RT: 14.004 min Scan# 2025
 Delta R.T. -0.012 min
 Lab File: BF138678.D
 Acq: 29 Jul 2024 19:47

Tgt Ion:228 Resp: 31347
 Ion Ratio Lower Upper
 228 100
 226 31.9 21.9 32.9
 229 25.3 15.5 23.3#





#83

Chrysene

Concen: 4.100 ng

RT: 14.039 min Scan# 2034

Delta R.T. -0.012 min

Lab File: BF138678.D

Acq: 29 Jul 2024 19:47

Instrument :

BNA_F

ClientSampleId :

TR-06-07252024

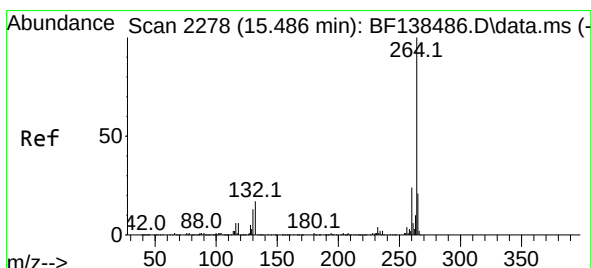
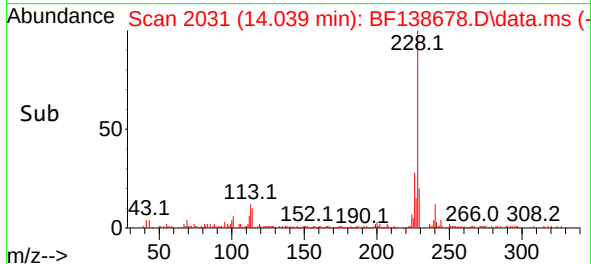
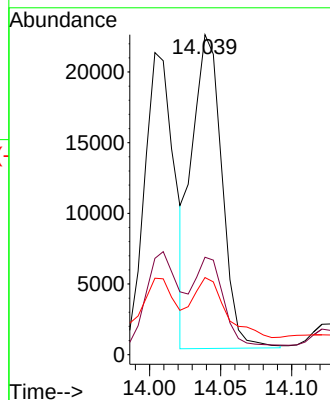
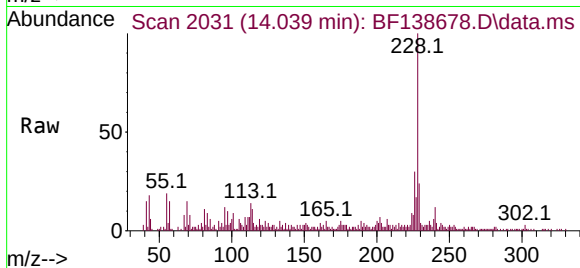
Tgt Ion:228 Resp: 32615

Ion Ratio Lower Upper

228 100

226 30.5 24.4 36.6

229 24.1 16.0 24.0#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.486 min Scan# 2277

Delta R.T. 0.000 min

Lab File: BF138678.D

Acq: 29 Jul 2024 19:47

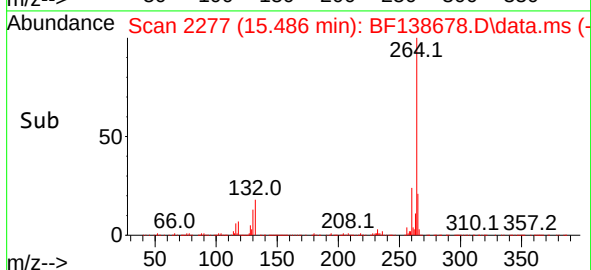
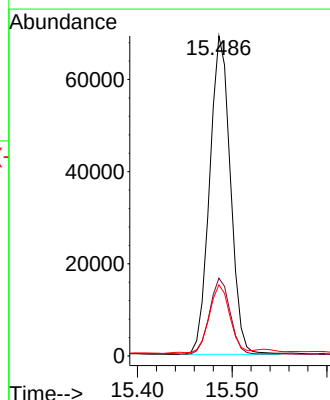
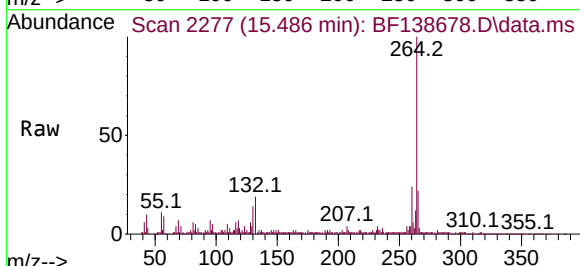
Tgt Ion:264 Resp: 105364

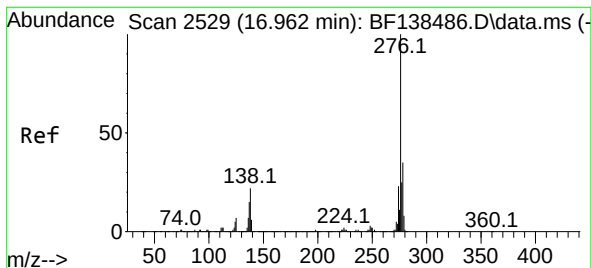
Ion Ratio Lower Upper

264 100

260 24.3 19.0 28.6

265 22.2 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.388 ng

RT: 16.962 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF138678.D

Acq: 29 Jul 2024 19:47

Instrument :

BNA_F

ClientSampleId :

TR-06-07252024

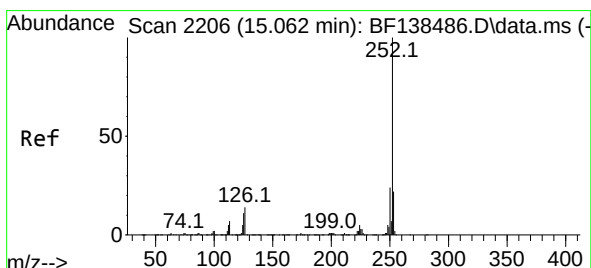
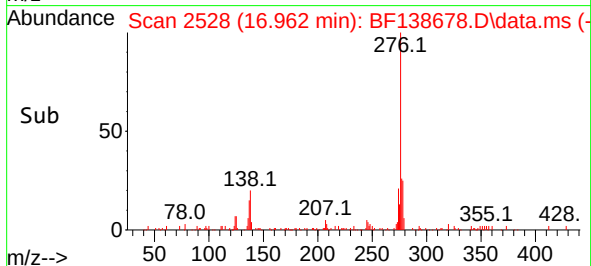
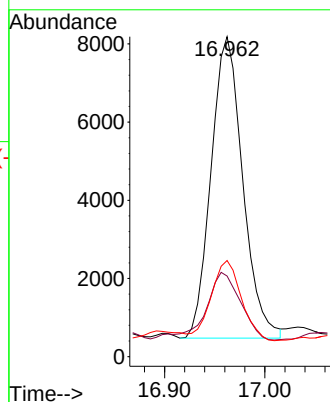
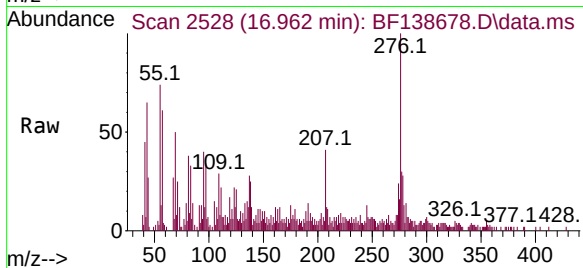
Tgt Ion:276 Resp: 16901

Ion Ratio Lower Upper

276 100

138 25.9 19.6 29.4

277 25.6 20.5 30.7



#88

Benzo(b)fluoranthene

Concen: 7.901 ng

RT: 15.057 min Scan# 2204

Delta R.T. -0.006 min

Lab File: BF138678.D

Acq: 29 Jul 2024 19:47

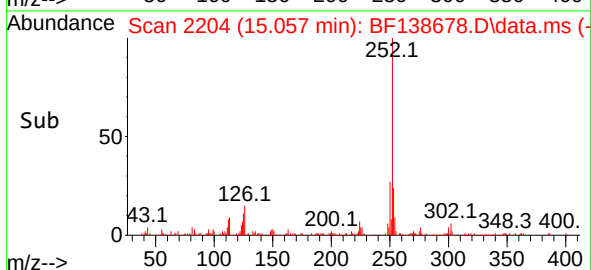
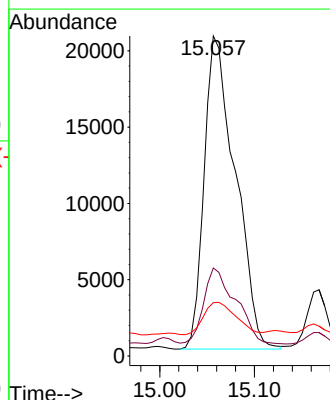
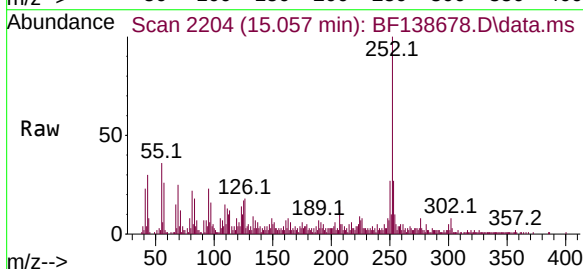
Tgt Ion:252 Resp: 46881

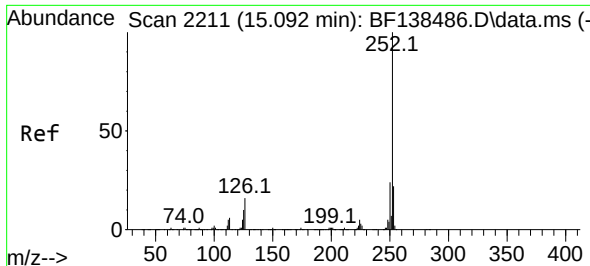
Ion Ratio Lower Upper

252 100

253 27.5 17.3 25.9#

125 16.7 8.6 13.0#

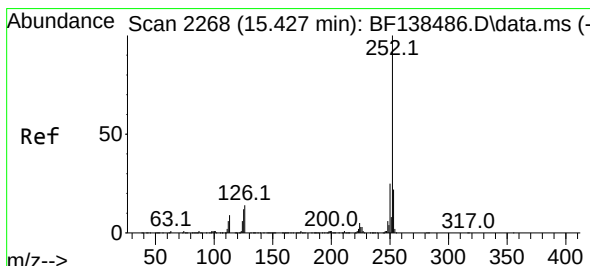
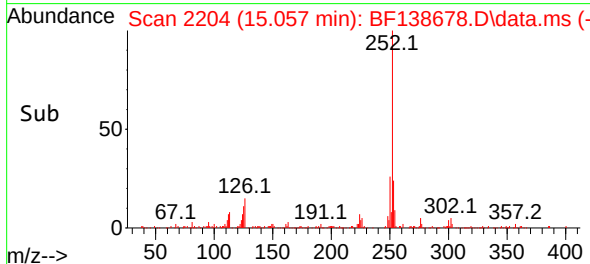
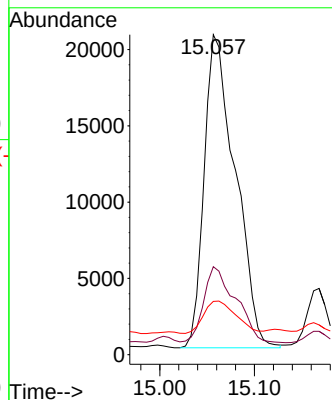
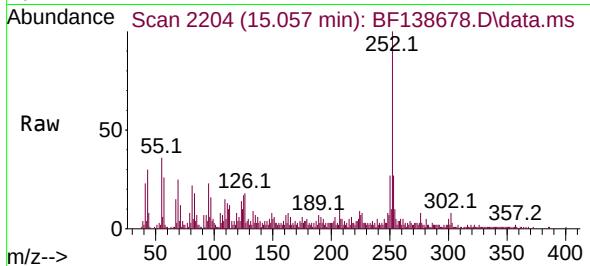




#89
Benzo(k)fluoranthene
Concen: 8.101 ng
RT: 15.057 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF138678.D
Acq: 29 Jul 2024 19:47

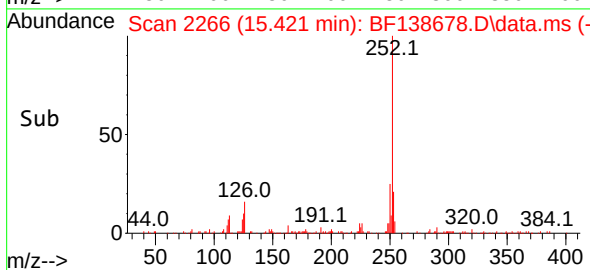
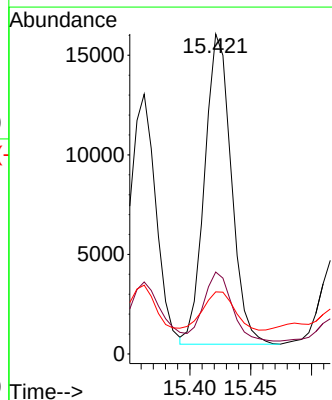
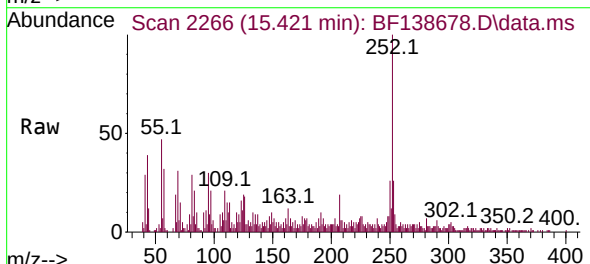
Instrument :
BNA_F
ClientSampleId :
TR-06-07252024

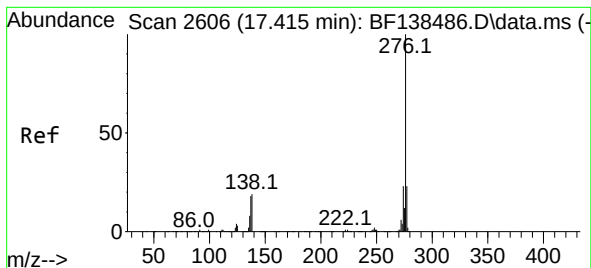
Tgt Ion:252 Resp: 46881
Ion Ratio Lower Upper
252 100
253 27.5 17.7 26.5#
125 16.7 8.1 12.1#



#90
Benzo(a)pyrene
Concen: 4.567 ng
RT: 15.421 min Scan# 2266
Delta R.T. -0.006 min
Lab File: BF138678.D
Acq: 29 Jul 2024 19:47

Tgt Ion:252 Resp: 23806
Ion Ratio Lower Upper
252 100
253 25.6 17.4 26.0
125 19.4 9.4 14.2#





#92

Benzo(g,h,i)perylene

Concen: 2.931 ng

RT: 17.409 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF138678.D

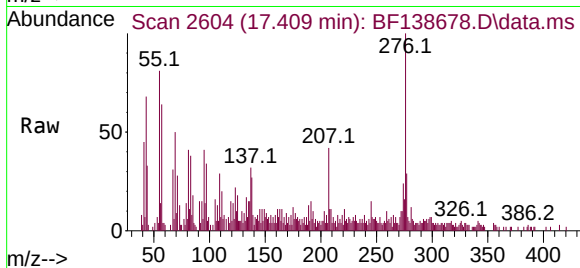
Acq: 29 Jul 2024 19:47

Instrument :

BNA_F

ClientSampleId :

TR-06-07252024



Tgt Ion:276 Resp: 17995

Ion Ratio Lower Upper

276 100

277 29.5 18.0 27.0#

138 26.8 15.5 23.3#

