

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080224\
 Data File : BF138757.D
 Acq On : 02 Aug 2024 20:28
 Operator : RC/JU
 Sample : P3367-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-06-07252024RE

Quant Time: Aug 02 23:23:53 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:50:01 2024
 Response via : Initial Calibration

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

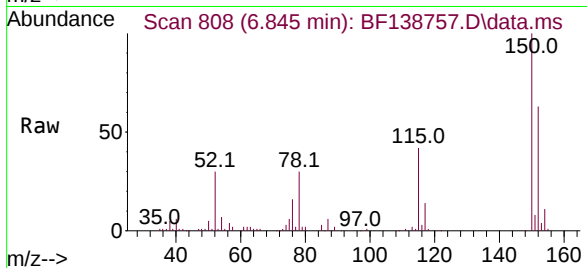
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	53686	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	181434	20.000	ng	0.00
39) Acenaphthene-d10	9.880	164	93348	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	178452	20.000	ng	0.00
76) Chrysene-d12	14.010	240	106775	20.000	ng	0.00
86) Perylene-d12	15.480	264	91698	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	326314	93.826	ng	0.00
7) Phenol-d6	6.487	99	388817	83.269	ng	0.00
23) Nitrobenzene-d5	7.410	82	231799	62.463	ng	0.00
42) 2,4,6-Tribromophenol	10.675	330	75505	98.745	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	382011	61.487	ng	0.00
79) Terphenyl-d14	12.951	244	483910	75.879	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.410	70	31823	11.284	ng	# 73
25) Isophorone	7.410	82	229519	36.221	ng	# 66
51) 2,6-Dinitrotoluene	9.880	165	12296	9.128	ng	# 19
57) 2,4-Dinitrotoluene	9.880	165	12296	7.155	ng	# 16
67) 4-Bromophenyl-phenylether	10.669	248	5618	2.908	ng	# 1
75) Fluoranthene	12.580	202	55407	6.459	ng	98
78) Pyrene	12.810	202	52673	5.239	ng	98
81) Benzo(a)anthracene	13.998	228	26227	3.567	ng	# 85
83) Chrysene	14.033	228	27185	4.098	ng	# 94
87) Indeno(1,2,3-cd)pyrene	16.951	276	13535	2.060	ng	94
88) Benzo(b)fluoranthene	15.051	252	44499	7.828	ng	# 85
89) Benzo(k)fluoranthene	15.051	252	44562	9.054	ng	# 84
90) Benzo(a)pyrene	15.415	252	21751	4.549	ng	# 80
92) Benzo(g,h,i)perylene	17.398	276	14199	2.537	ng	# 91

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

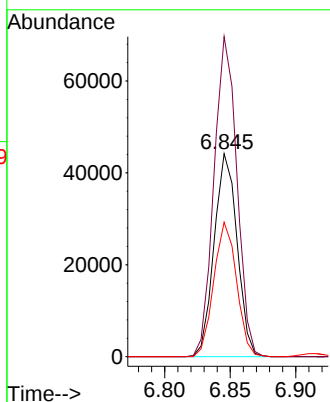
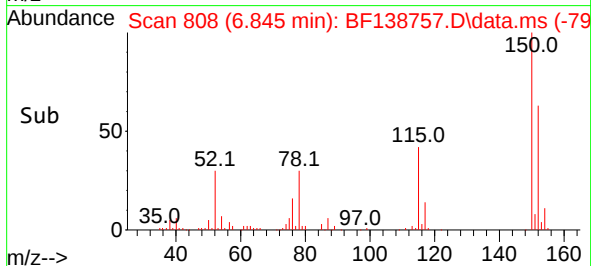


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF138757.D
Acq: 02 Aug 2024 20:28

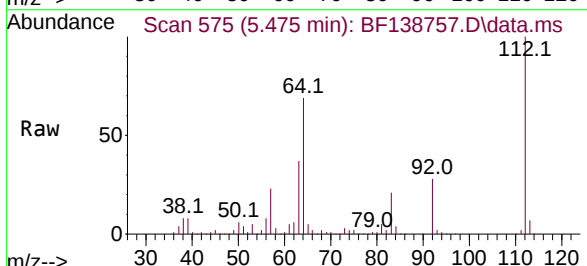
Instrument :
BNA_F
ClientSampleId :
TR-06-07252024RE



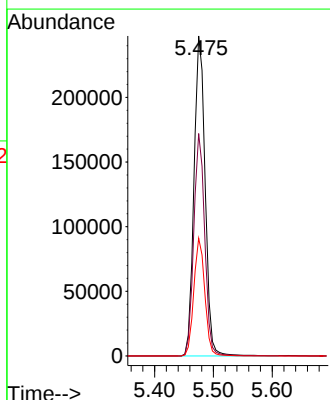
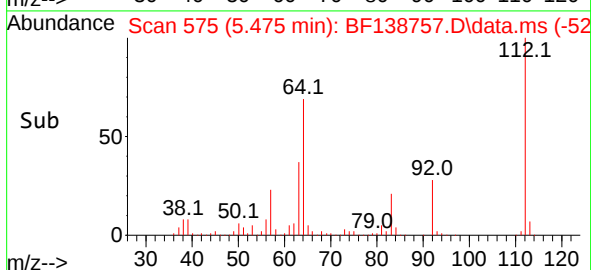
Tgt Ion:152 Resp: 53686
Ion Ratio Lower Upper
152 100
150 157.6 126.0 189.0
115 66.2 51.7 77.5



#5
2-Fluorophenol
Concen: 93.826 ng
RT: 5.475 min Scan# 575
Delta R.T. 0.006 min
Lab File: BF138757.D
Acq: 02 Aug 2024 20:28



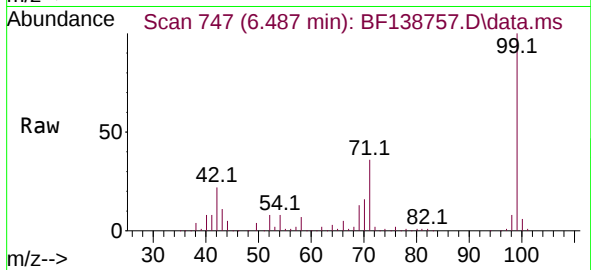
Tgt Ion:112 Resp: 326314
Ion Ratio Lower Upper
112 100
64 69.5 54.2 81.4
63 36.8 28.7 43.1



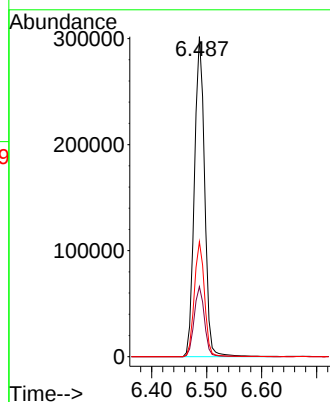
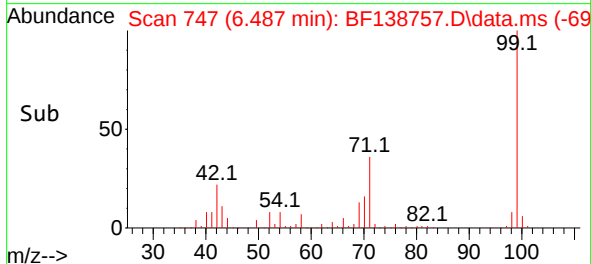


#7
Phenol-d6
Concen: 83.269 ng
RT: 6.487 min Scan# 74
Delta R.T. -0.000 min
Lab File: BF138757.D
Acq: 02 Aug 2024 20:28

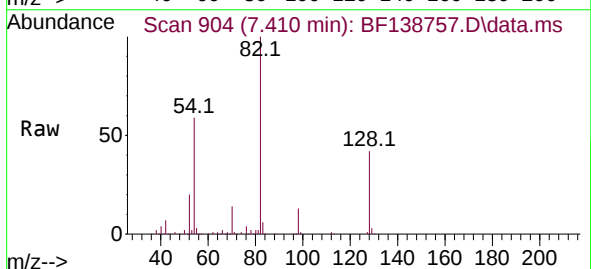
Instrument :
BNA_F
ClientSampleId :
TR-06-07252024RE



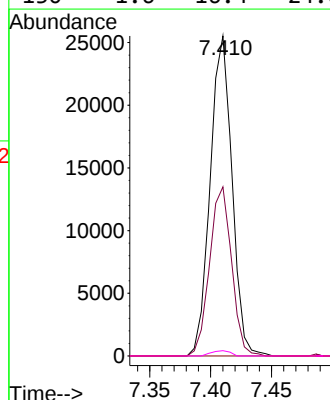
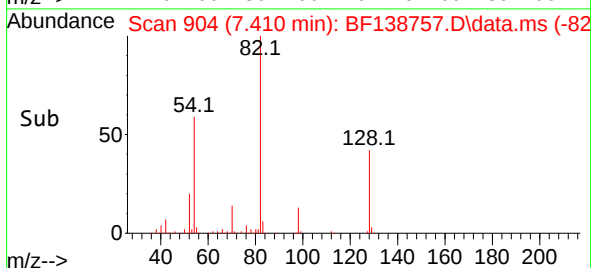
Tgt Ion: 99 Resp: 388817
Ion Ratio Lower Upper
99 100
42 21.9 17.4 26.0
71 35.9 28.1 42.1



#19
n-Nitroso-di-n-propylamine
Concen: 11.284 ng
RT: 7.410 min Scan# 904
Delta R.T. 0.153 min
Lab File: BF138757.D
Acq: 02 Aug 2024 20:28



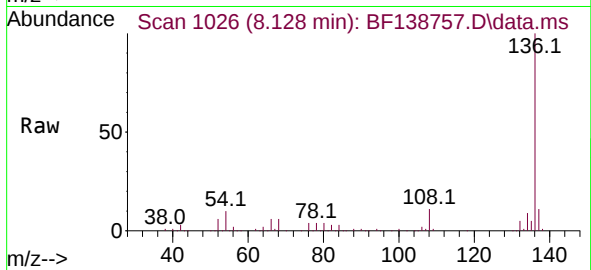
Tgt Ion: 70 Resp: 31823
Ion Ratio Lower Upper
70 100
42 52.8 57.4 86.0#
101 0.0 7.5 11.3#
130 1.6 16.4 24.6#



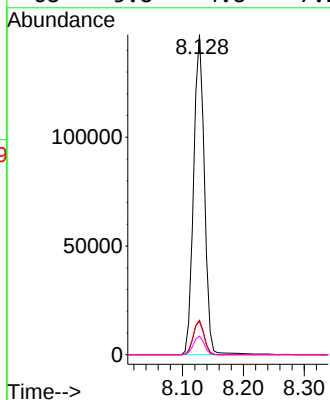
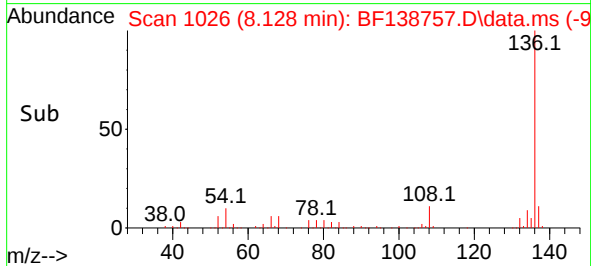


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1026
Delta R.T. -0.000 min
Lab File: BF138757.D
Acq: 02 Aug 2024 20:28

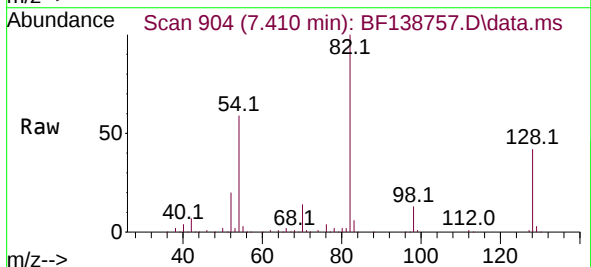
Instrument :
BNA_F
ClientSampleId :
TR-06-07252024RE



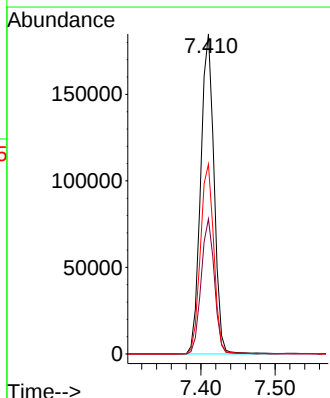
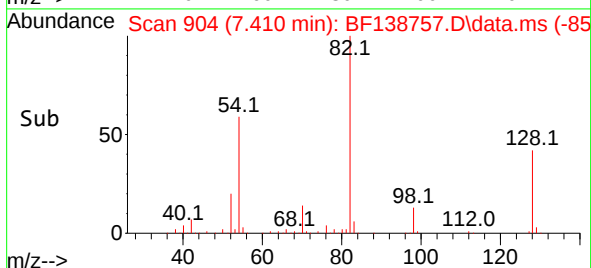
Tgt Ion:	136	Resp:	181434
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	10.4	8.6	12.8
68	5.8	4.8	7.2



#23
Nitrobenzene-d5
Concen: 62.463 ng
RT: 7.410 min Scan# 904
Delta R.T. -0.000 min
Lab File: BF138757.D
Acq: 02 Aug 2024 20:28



Tgt Ion:	82	Resp:	231799
Ion	Ratio	Lower	Upper
82	100		
128	42.2	32.8	49.2
54	59.3	48.3	72.5

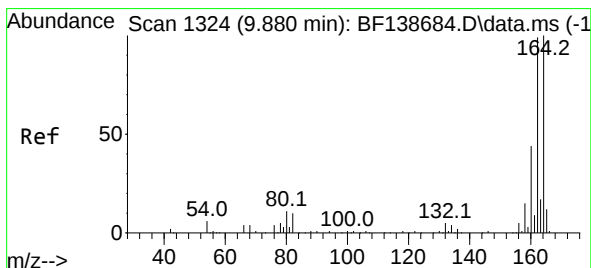
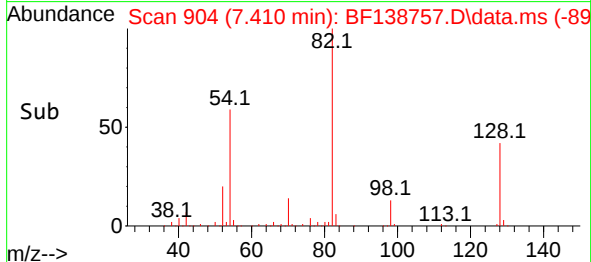
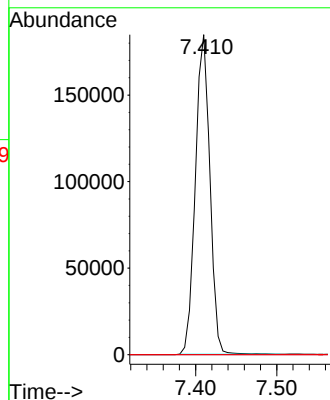
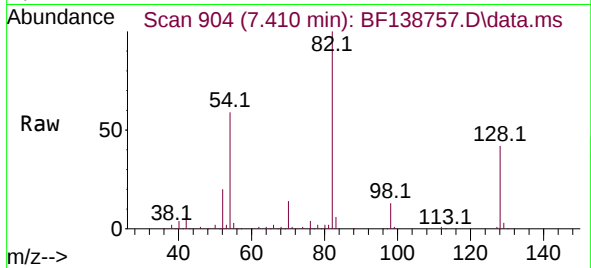




#25
Isophorone
Concen: 36.221 ng
RT: 7.410 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF138757.D
Acq: 02 Aug 2024 20:28

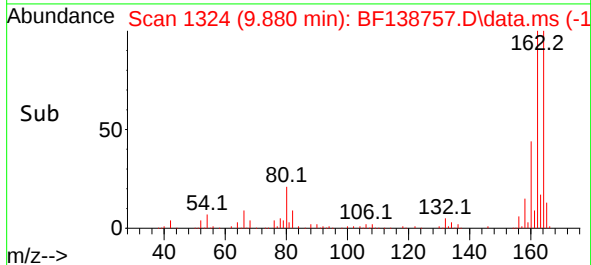
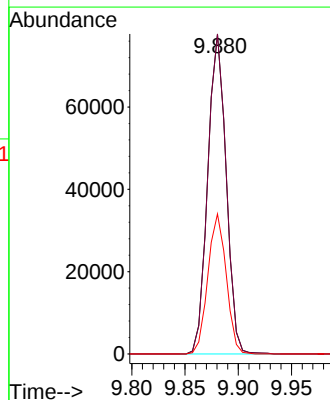
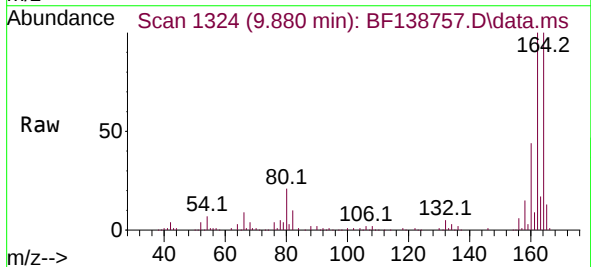
Instrument :
BNA_F
ClientSampleId :
TR-06-07252024RE

Tgt Ion: 82 Resp: 229519
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.7 20.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1324
Delta R.T. 0.000 min
Lab File: BF138757.D
Acq: 02 Aug 2024 20:28

Tgt Ion:164 Resp: 93348
Ion Ratio Lower Upper
164 100
162 100.0 79.4 119.0
160 43.8 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 98.745 ng

RT: 10.675 min Scan# 1458

Delta R.T. 0.006 min

Lab File: BF138757.D

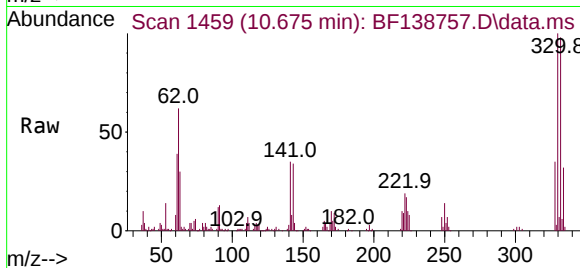
Acq: 02 Aug 2024 20:28

Instrument :

BNA_F

ClientSampleId :

TR-06-07252024RE



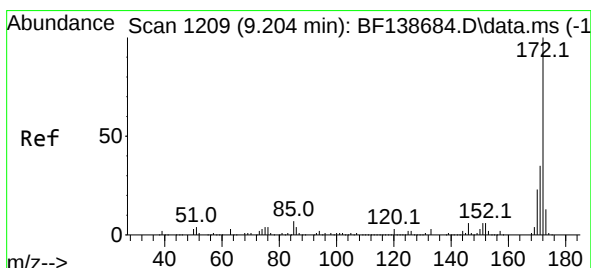
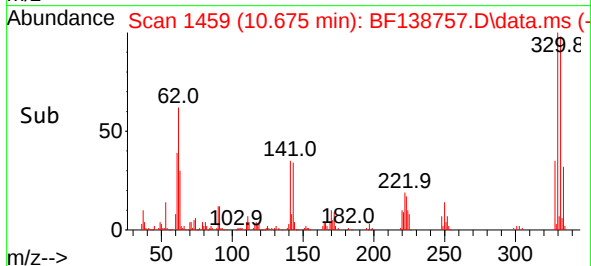
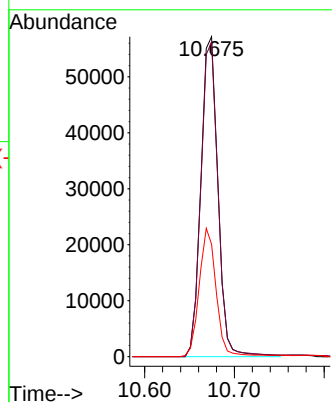
Tgt Ion:330 Resp: 75505

Ion Ratio Lower Upper

330 100

332 98.6 76.4 114.6

141 39.9 31.1 46.7



#45

2-Fluorobiphenyl

Concen: 61.487 ng

RT: 9.198 min Scan# 1208

Delta R.T. -0.006 min

Lab File: BF138757.D

Acq: 02 Aug 2024 20:28

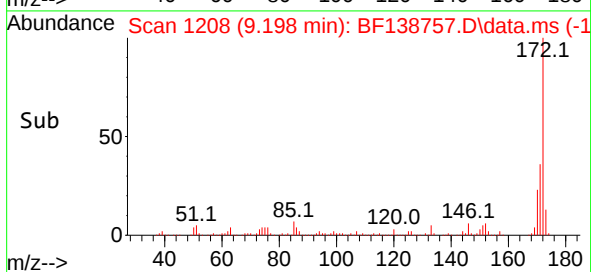
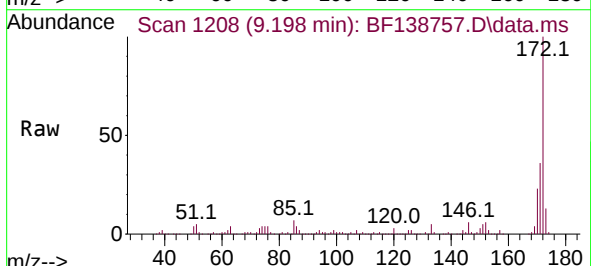
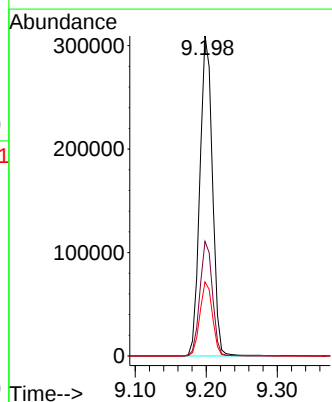
Tgt Ion:172 Resp: 382011

Ion Ratio Lower Upper

172 100

171 35.8 28.3 42.5

170 23.2 18.8 28.2

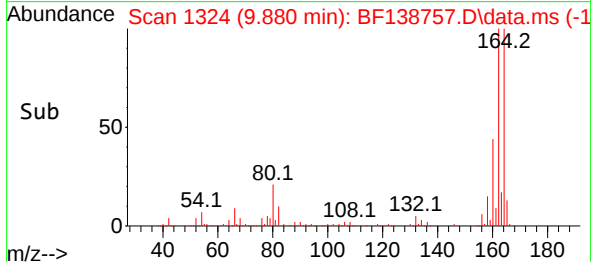
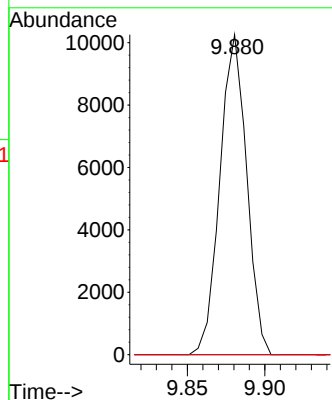
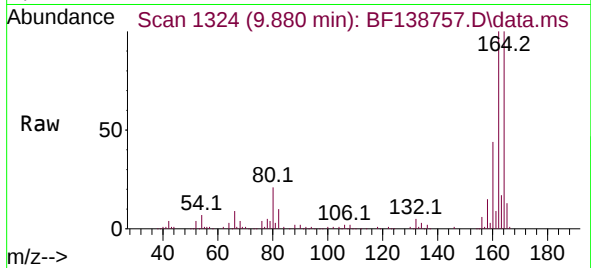




#51
2,6-Dinitrotoluene
Concen: 9.128 ng
RT: 9.880 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF138757.D
Acq: 02 Aug 2024 20:28

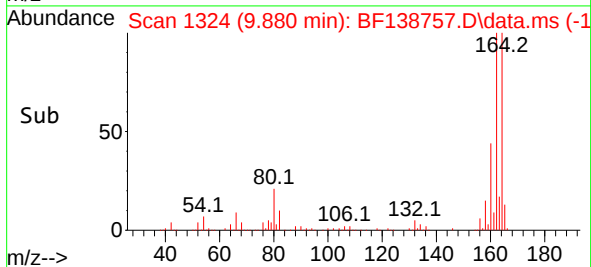
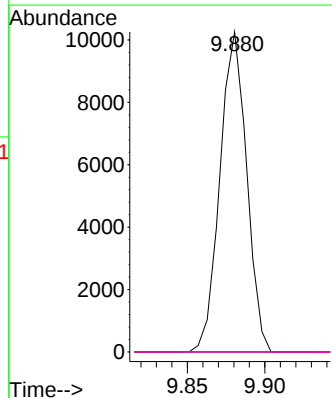
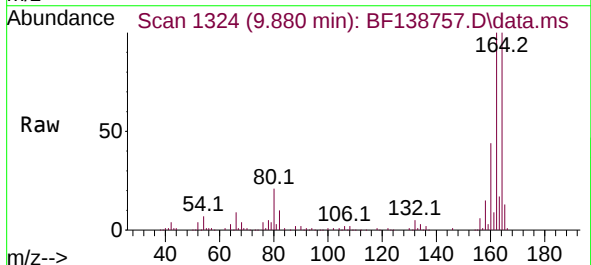
Instrument :
BNA_F
ClientSampleId :
TR-06-07252024RE

Tgt Ion:165 Resp: 12296
Ion Ratio Lower Upper
165 100
63 0.0 52.0 78.0#
89 0.0 47.0 70.6#



#57
2,4-Dinitrotoluene
Concen: 7.155 ng
RT: 9.880 min Scan# 1324
Delta R.T. -0.188 min
Lab File: BF138757.D
Acq: 02 Aug 2024 20:28

Tgt Ion:165 Resp: 12296
Ion Ratio Lower Upper
165 100
63 0.0 46.3 69.5#
89 0.0 64.2 96.4#
182 0.0 2.5 3.7#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.369 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF138757.D

Acq: 02 Aug 2024 20:28

Instrument :

BNA_F

ClientSampleId :

TR-06-07252024RE

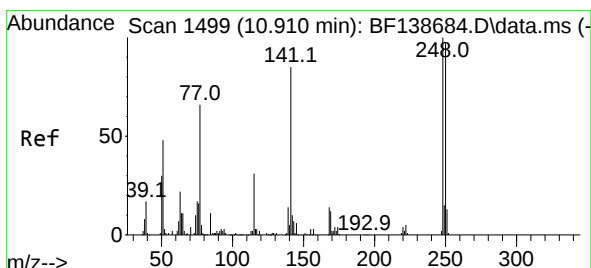
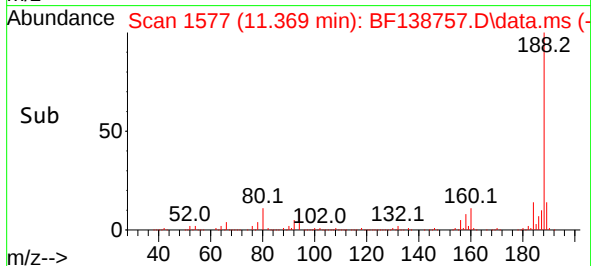
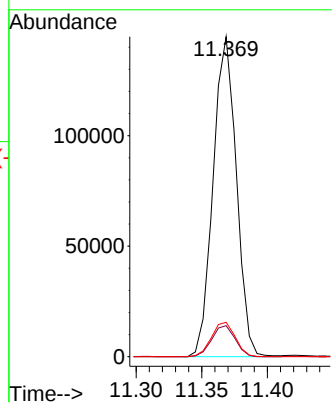
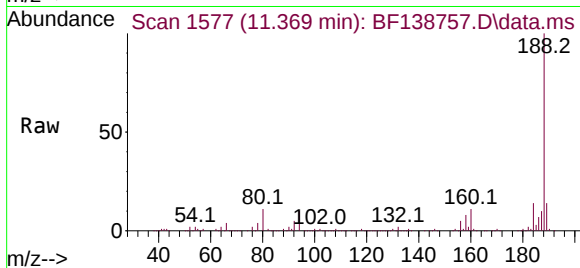
Tgt Ion:188 Resp: 178452

Ion Ratio Lower Upper

188 100

94 9.7 7.6 11.4

80 10.8 8.6 12.8



#67

4-Bromophenyl-phenylether

Concen: 2.908 ng

RT: 10.669 min Scan# 1458

Delta R.T. -0.241 min

Lab File: BF138757.D

Acq: 02 Aug 2024 20:28

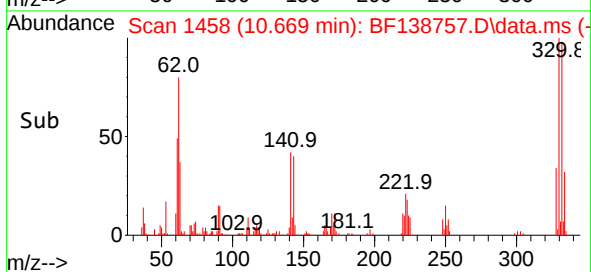
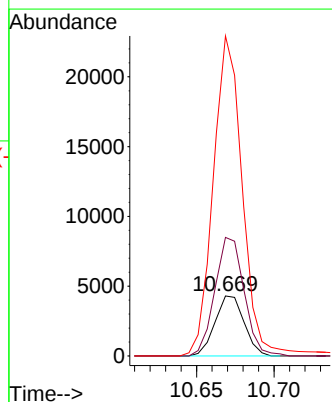
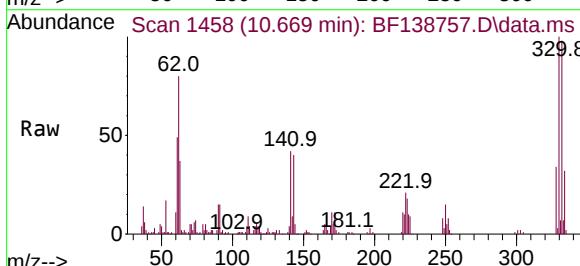
Tgt Ion:248 Resp: 5618

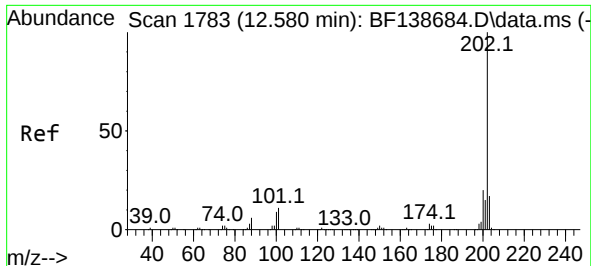
Ion Ratio Lower Upper

248 100

250 197.4 77.7 116.5#

141 533.0 68.0 102.0#

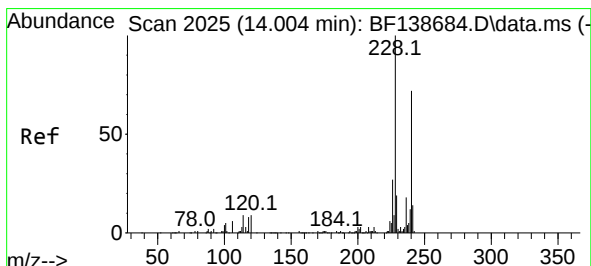
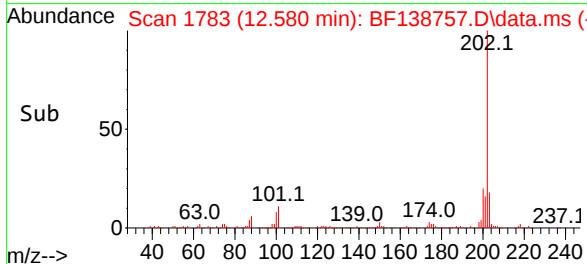
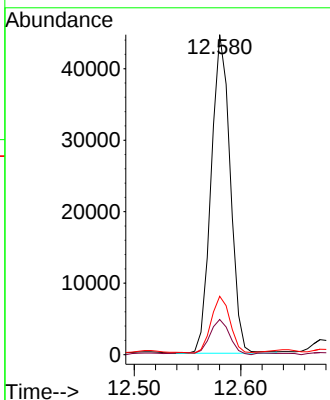
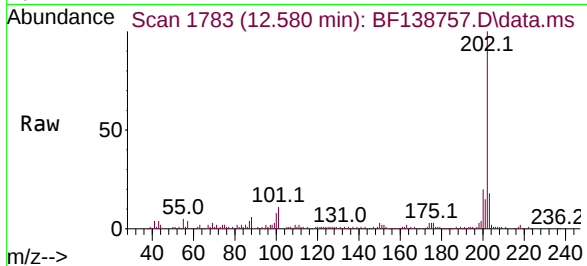




#75
Fluoranthene
Concen: 6.459 ng
RT: 12.580 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF138757.D
Acq: 02 Aug 2024 20:28

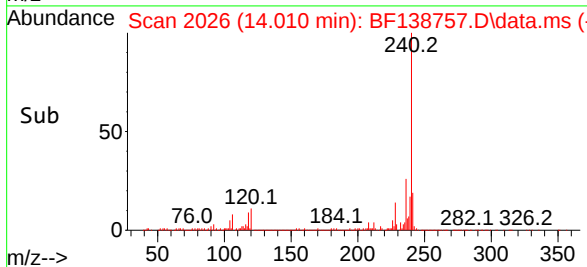
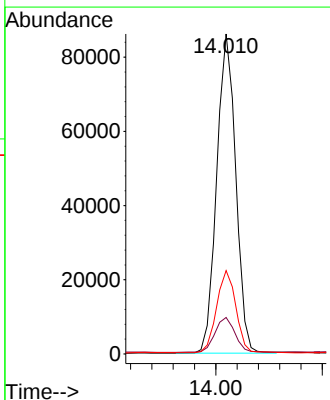
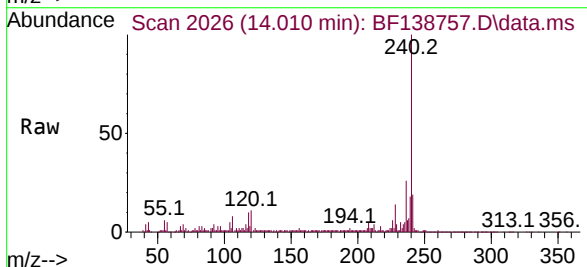
Instrument :
BNA_F
ClientSampleId :
TR-06-07252024RE

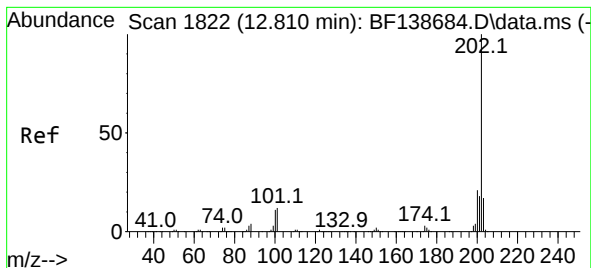
Tgt Ion:202	Resp:	55407
Ion Ratio	Lower	Upper
202	100	
101	11.0	0.0 31.2
203	18.3	0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2026
Delta R.T. 0.006 min
Lab File: BF138757.D
Acq: 02 Aug 2024 20:28

Tgt Ion:240	Resp:	106775
Ion Ratio	Lower	Upper
240	100	
120	11.4	10.2 15.4
236	26.1	19.8 29.8





#78

Pyrene

Concen: 5.239 ng

RT: 12.810 min Scan# 1822

Delta R.T. -0.000 min

Lab File: BF138757.D

Acq: 02 Aug 2024 20:28

Instrument :

BNA_F

ClientSampleId :

TR-06-07252024RE

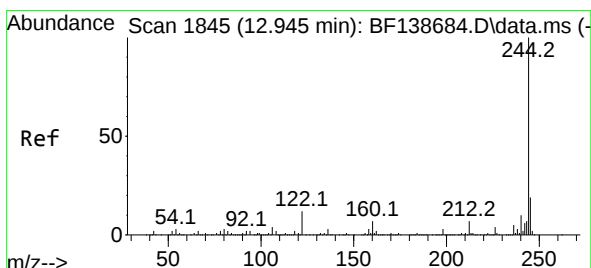
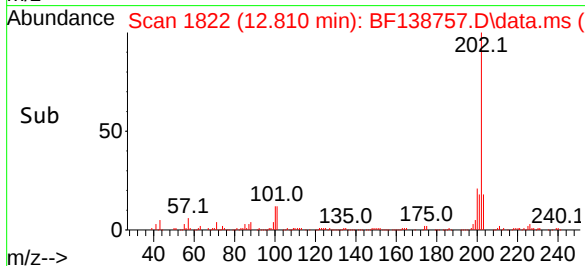
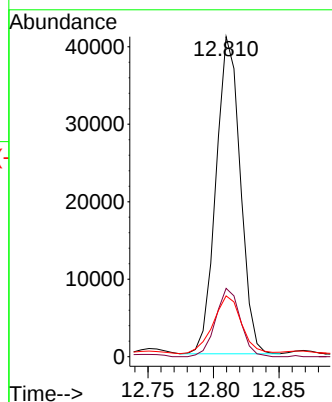
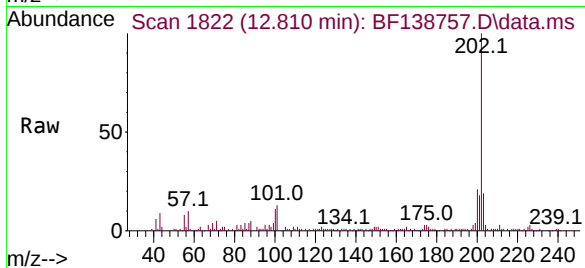
Tgt Ion:202 Resp: 52673

Ion Ratio Lower Upper

202 100

200 21.4 16.8 25.2

203 19.0 13.8 20.6



#79

Terphenyl-d14

Concen: 75.879 ng

RT: 12.951 min Scan# 1846

Delta R.T. 0.006 min

Lab File: BF138757.D

Acq: 02 Aug 2024 20:28

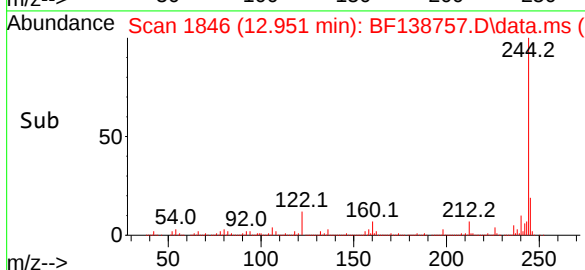
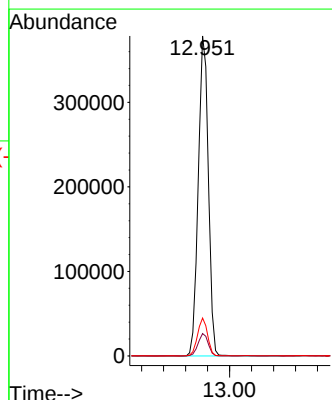
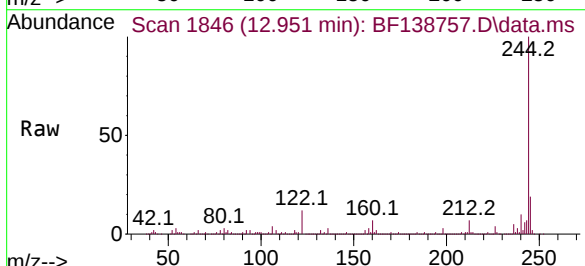
Tgt Ion:244 Resp: 483910

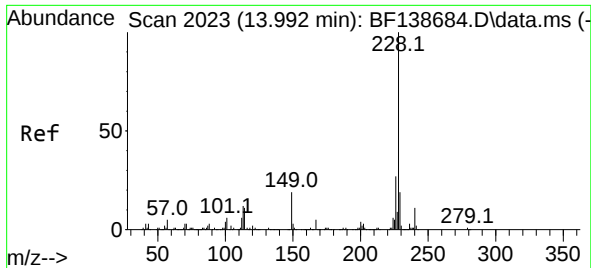
Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.2

122 11.8 9.6 14.4

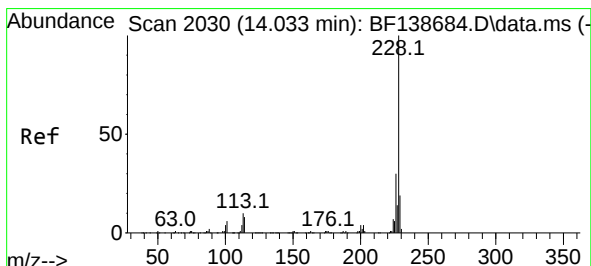
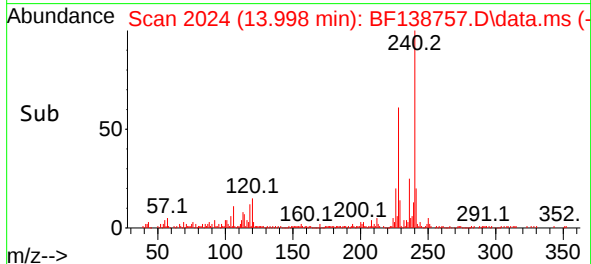
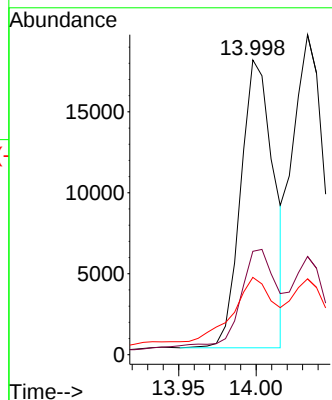
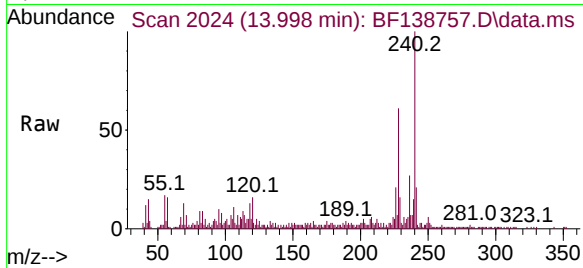




#81
Benzo(a)anthracene
Concen: 3.567 ng
RT: 13.998 min Scan# 2024
Delta R.T. 0.006 min
Lab File: BF138757.D
Acq: 02 Aug 2024 20:28

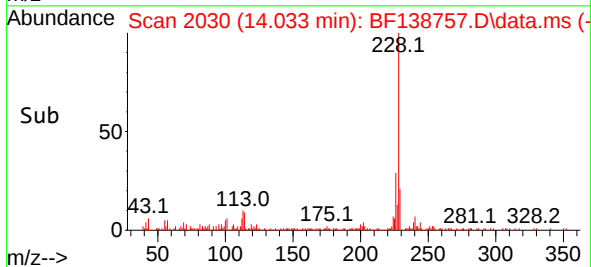
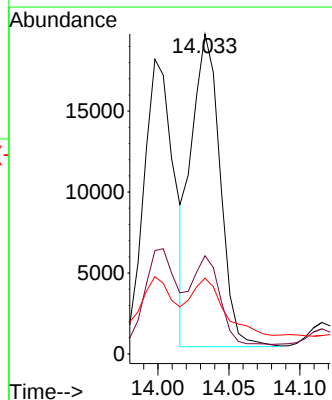
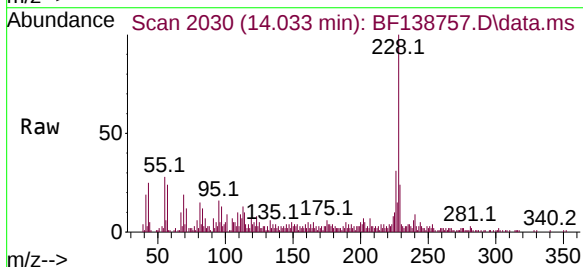
Instrument :
BNA_F
ClientSampleId :
TR-06-07252024RE

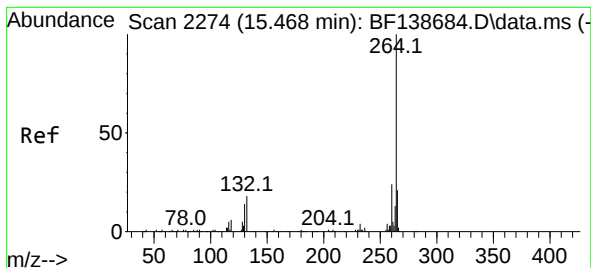
Tgt Ion:228 Resp: 26227
Ion Ratio Lower Upper
228 100
226 35.1 22.1 33.1#
229 26.2 15.4 23.0#



#83
Chrysene
Concen: 4.098 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BF138757.D
Acq: 02 Aug 2024 20:28

Tgt Ion:228 Resp: 27185
Ion Ratio Lower Upper
228 100
226 30.7 23.7 35.5
229 23.7 15.0 22.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.480 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF138757.D

Acq: 02 Aug 2024 20:28

Instrument :

BNA_F

ClientSampleId :

TR-06-07252024RE

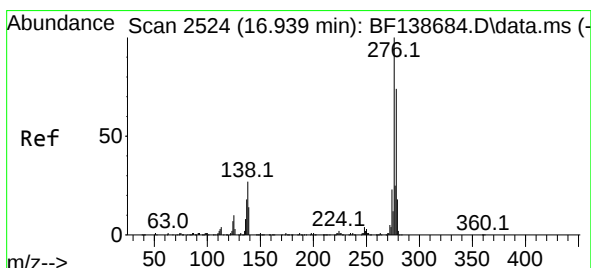
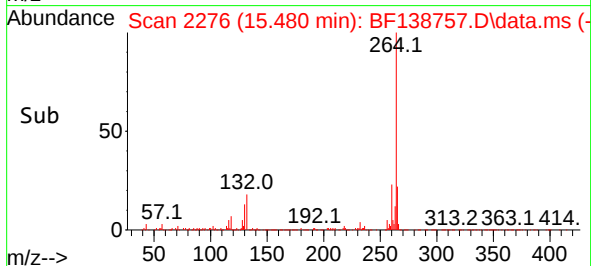
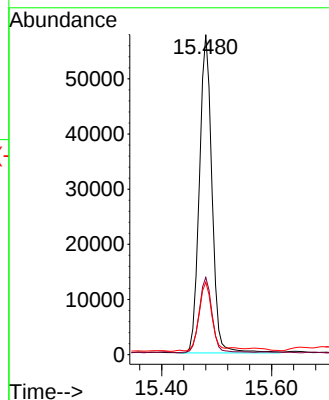
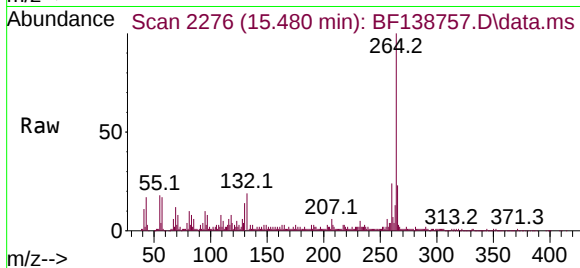
Tgt Ion:264 Resp: 91698

Ion Ratio Lower Upper

264 100

260 24.2 19.0 28.6

265 22.7 17.0 25.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.060 ng

RT: 16.951 min Scan# 2526

Delta R.T. 0.012 min

Lab File: BF138757.D

Acq: 02 Aug 2024 20:28

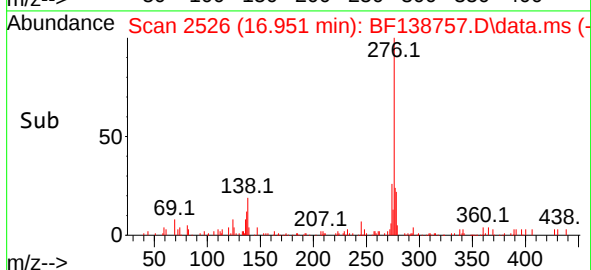
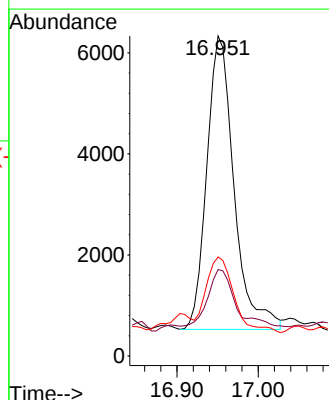
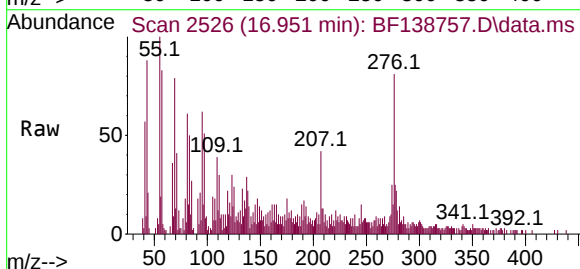
Tgt Ion:276 Resp: 13535

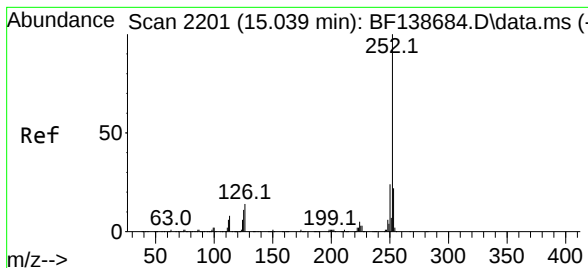
Ion Ratio Lower Upper

276 100

138 22.0 21.8 32.8

277 26.2 20.6 30.8





#88

Benzo(b)fluoranthene

Concen: 7.828 ng

RT: 15.051 min Scan# 2203

Delta R.T. 0.012 min

Lab File: BF138757.D

Acq: 02 Aug 2024 20:28

Instrument :

BNA_F

ClientSampleId :

TR-06-07252024RE

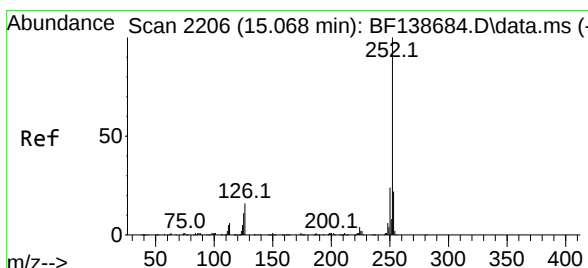
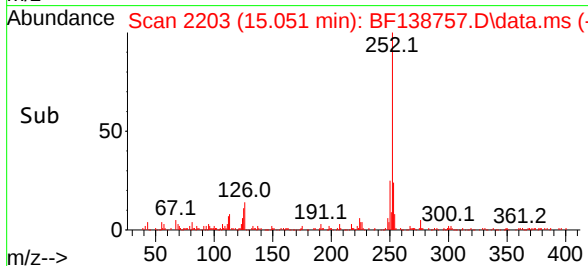
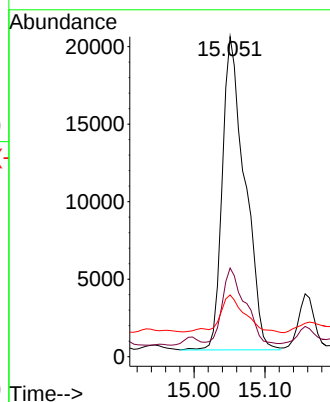
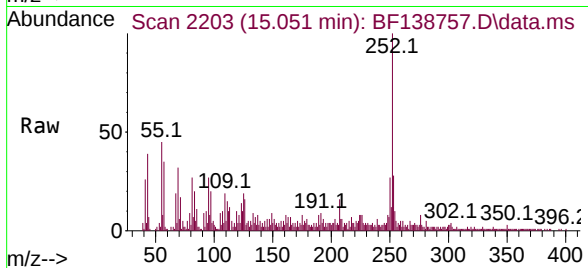
Tgt Ion:252 Resp: 44499

Ion Ratio Lower Upper

252 100

253 27.7 17.5 26.3#

125 19.3 8.9 13.3#



#89

Benzo(k)fluoranthene

Concen: 9.054 ng

RT: 15.051 min Scan# 2203

Delta R.T. -0.018 min

Lab File: BF138757.D

Acq: 02 Aug 2024 20:28

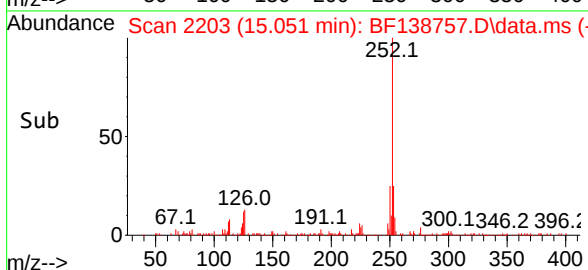
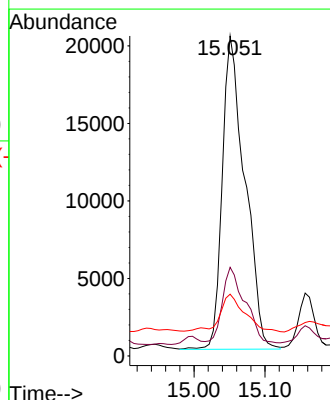
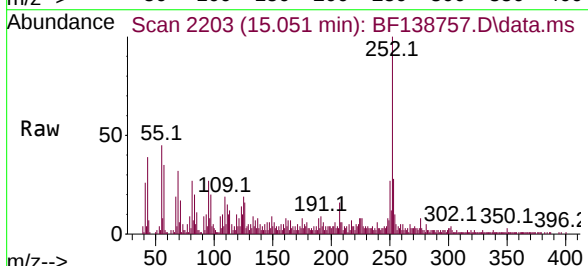
Tgt Ion:252 Resp: 44562

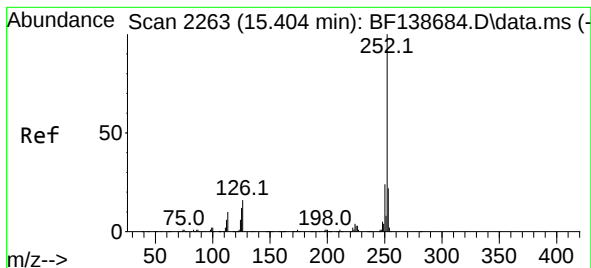
Ion Ratio Lower Upper

252 100

253 27.7 17.4 26.0#

125 19.3 8.6 13.0#





#90

Benzo(a)pyrene

Concen: 4.549 ng

RT: 15.415 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF138757.D

Acq: 02 Aug 2024 20:28

Instrument :

BNA_F

ClientSampleId :

TR-06-07252024RE

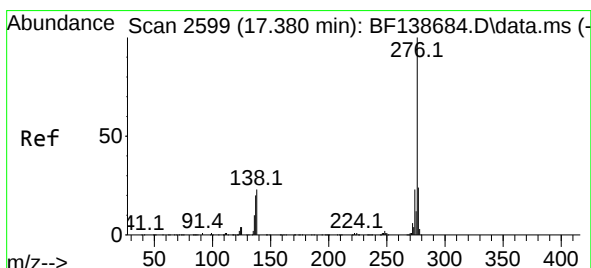
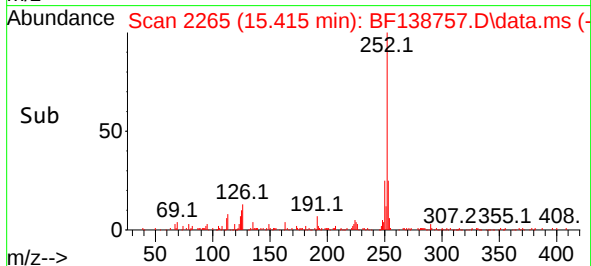
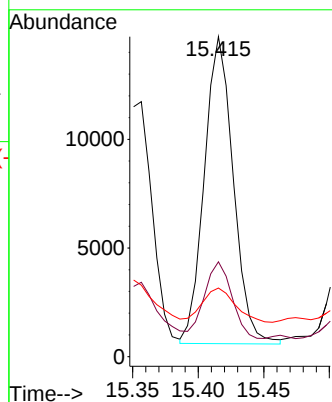
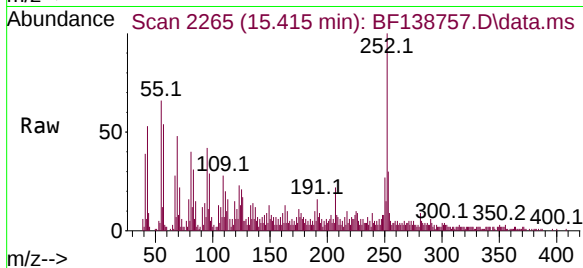
Tgt Ion:252 Resp: 21751

Ion Ratio Lower Upper

252 100

253 29.6 17.3 25.9#

125 21.5 9.5 14.3#



#92

Benzo(g,h,i)perylene

Concen: 2.537 ng

RT: 17.398 min Scan# 2602

Delta R.T. 0.018 min

Lab File: BF138757.D

Acq: 02 Aug 2024 20:28

Tgt Ion:276 Resp: 14199

Ion Ratio Lower Upper

276 100

277 28.5 19.0 28.4#

138 26.7 18.5 27.7

