

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062524\
 Data File : BF138341.D
 Acq On : 25 Jun 2024 18:37
 Operator : CG\JU
 Sample : P2997-01RE
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-06-062024

Quant Time: Jun 25 18:59:17 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 13 01:52:47 2024
 Response via : Initial Calibration

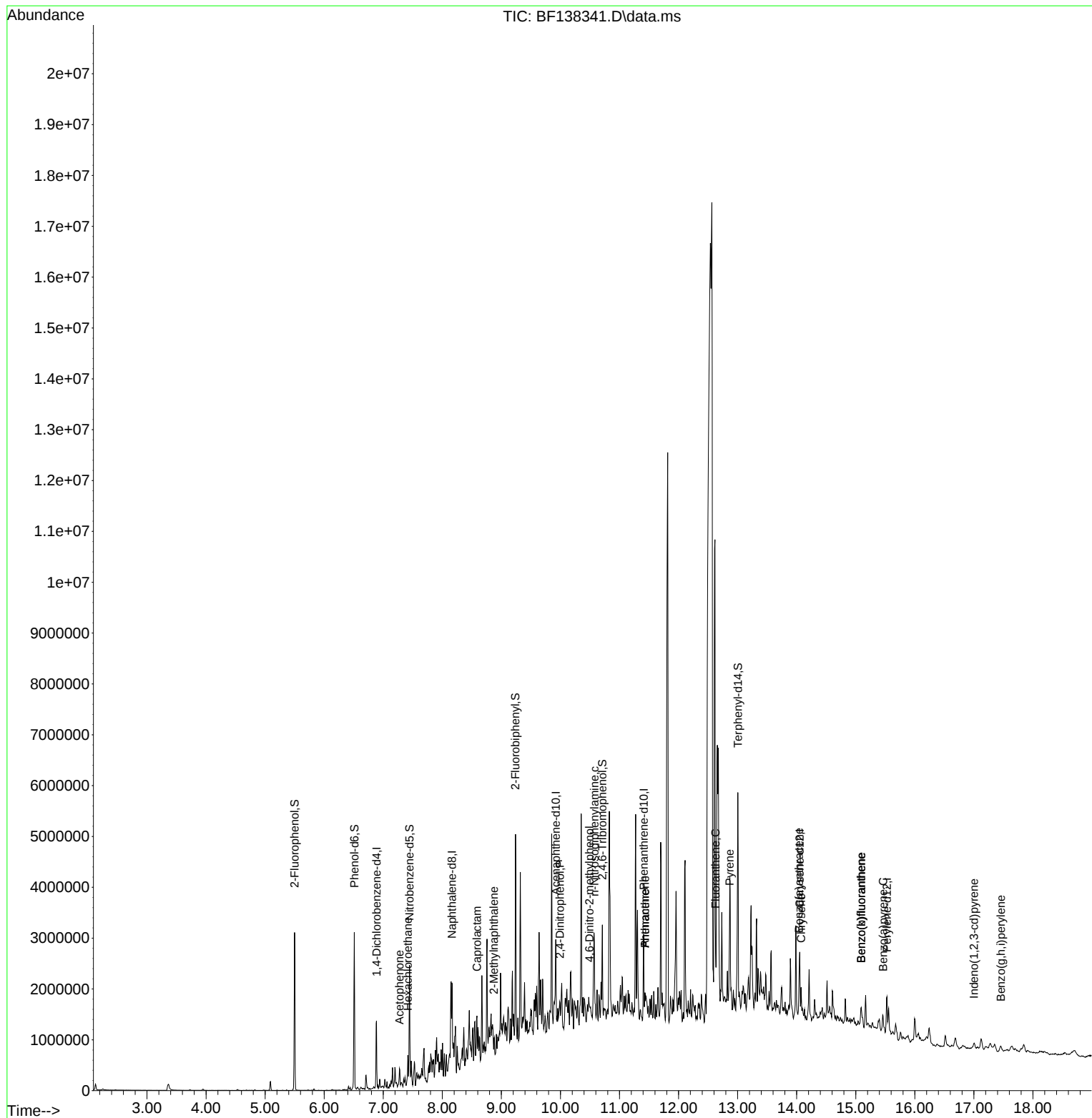
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	206464	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	690415	20.000	ng	-0.01
39) Acenaphthene-d10	9.922	164	305181	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	538837	20.000	ng	0.00
76) Chrysene-d12	14.051	240	384501	20.000	ng	0.00
86) Perylene-d12	15.527	264	354052	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	888347	71.976	ng	-0.01
7) Phenol-d6	6.510	99	1081611	69.111	ng	-0.01
23) Nitrobenzene-d5	7.445	82	640700	54.024	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	256070	84.285	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	1227176	63.942	ng	-0.01
79) Terphenyl-d14	13.004	244	1464960	60.344	ng	0.00
Target Compounds						
18) Hexachloroethane	7.416	117	24995	4.835	ng	# 1
22) Acetophenone	7.275	105	54993	3.487	ng	# 60
35) Caprolactam	8.586	113	20257	6.950	ng	# 14
37) 2-Methylnaphthalene	8.875	142	63112	2.817	ng	99
54) 2,4-Dinitrophenol	9.992	184	592	4.601	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.492	198	521	7.097	ng	# 1
66) n-Nitrosodiphenylamine	10.575	169	44051	2.670	ng	# 58
71) Phenanthrene	11.433	178	162659	6.104	ng	97
72) Anthracene	11.433	178	162659	6.148	ng	98
75) Fluoranthene	12.627	202	398526	14.666	ng	100
78) Pyrene	12.863	202	463866	13.986	ng	97
81) Benzo(a)anthracene	14.039	228	204912	8.307	ng	# 93
83) Chrysene	14.074	228	205657	8.747	ng	# 94
87) Indeno(1,2,3-cd)pyrene	17.004	276	96129	4.165	ng	97
88) Benzo(b)fluoranthene	15.092	252	284047	13.604	ng	# 92
89) Benzo(k)fluoranthene	15.092	252	284047	13.882	ng	# 92
90) Benzo(a)pyrene	15.463	252	150675	8.400	ng	# 91
92) Benzo(g,h,i)perylene	17.456	276	94752	4.835	ng	97

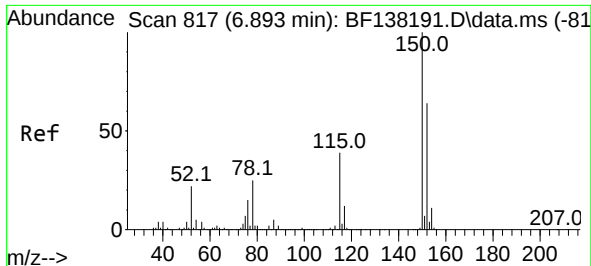
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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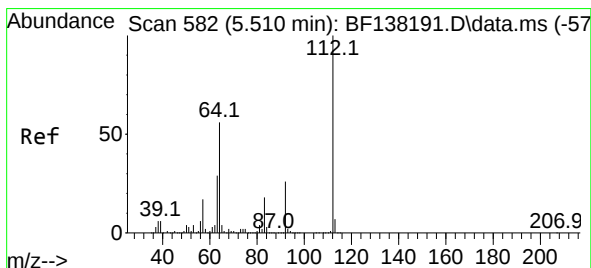
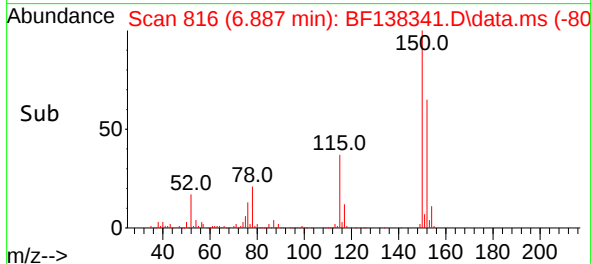
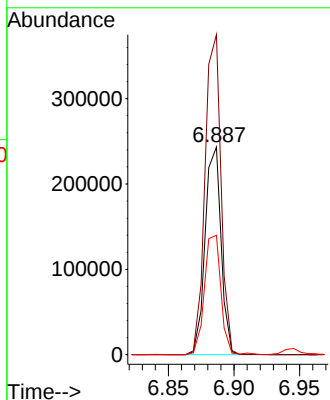
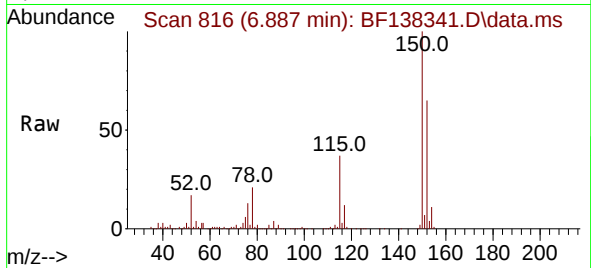




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF138341.D
Acq: 25 Jun 2024 18:37

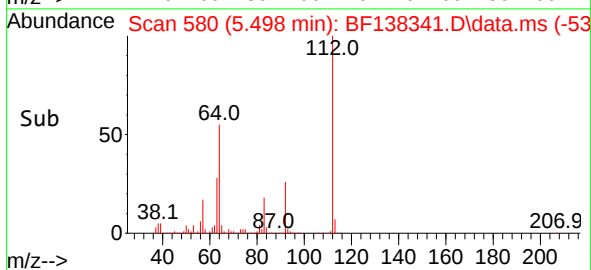
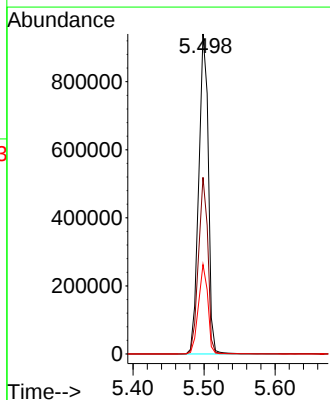
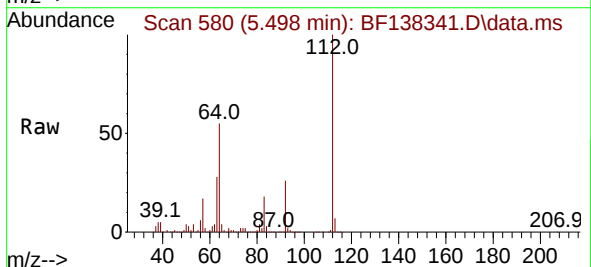
Instrument :
BNA_F
ClientSampleId :
TR-06-062024

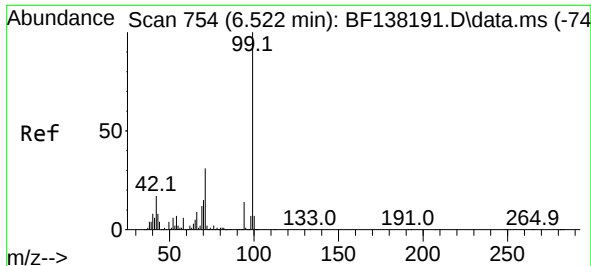
Tgt Ion:152 Resp: 206464
Ion Ratio Lower Upper
152 100
150 154.1 125.0 187.4
115 57.5 48.4 72.6



#5
2-Fluorophenol
Concen: 71.976 ng
RT: 5.498 min Scan# 580
Delta R.T. -0.012 min
Lab File: BF138341.D
Acq: 25 Jun 2024 18:37

Tgt Ion:112 Resp: 888347
Ion Ratio Lower Upper
112 100
64 55.2 45.2 67.8
63 28.0 22.9 34.3





#7

Phenol-d6

Concen: 69.111 ng

RT: 6.510 min Scan# 70

Delta R.T. -0.012 min

Lab File: BF138341.D

Acq: 25 Jun 2024 18:37

Instrument :

BNA_F

ClientSampleId :

TR-06-062024

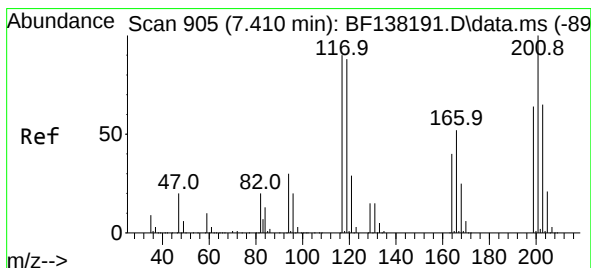
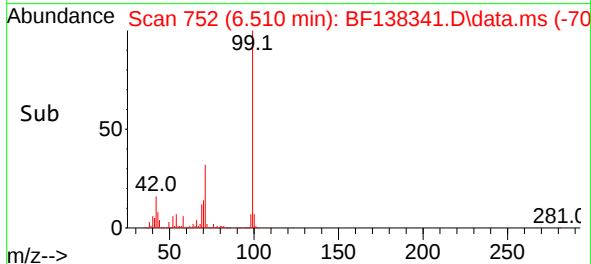
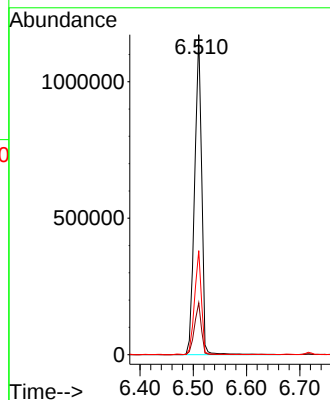
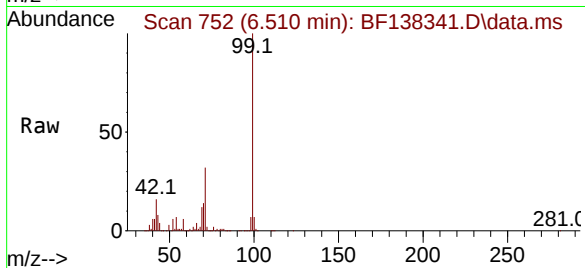
Tgt Ion: 99 Resp: 1081611

Ion Ratio Lower Upper

99 100

42 16.2 13.7 20.5

71 32.5 25.0 37.6



#18

Hexachloroethane

Concen: 4.835 ng

RT: 7.416 min Scan# 906

Delta R.T. 0.006 min

Lab File: BF138341.D

Acq: 25 Jun 2024 18:37

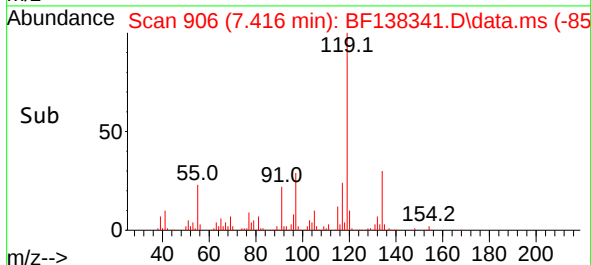
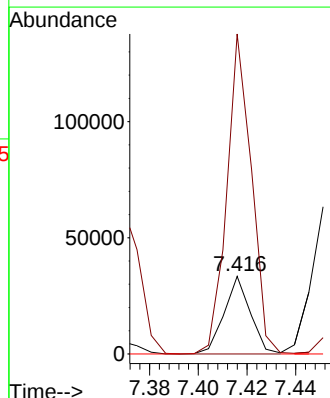
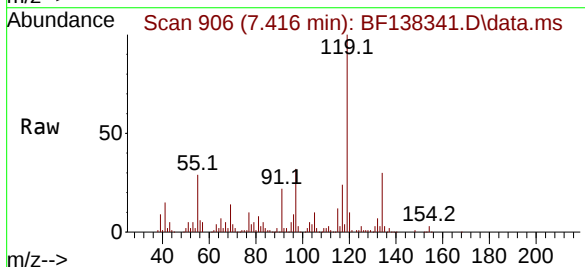
Tgt Ion: 117 Resp: 24995

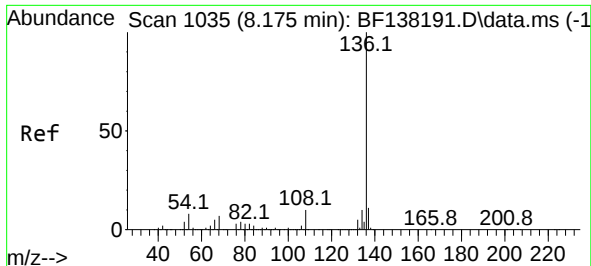
Ion Ratio Lower Upper

117 100

119 412.0 78.4 117.6#

201 0.0 89.0 133.6#

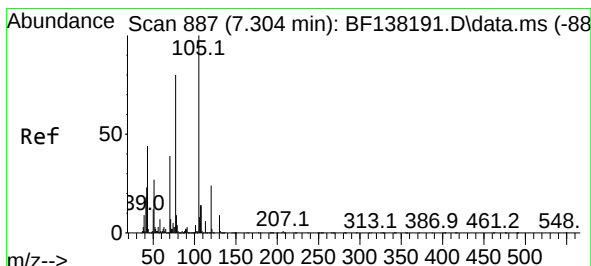
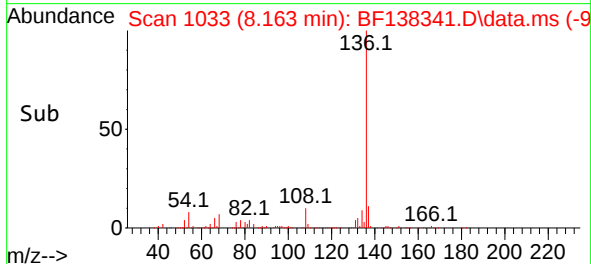
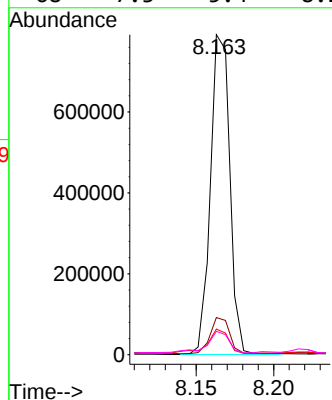
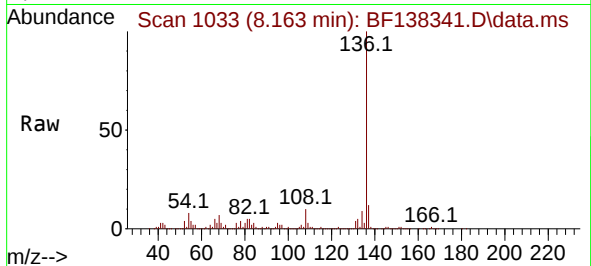




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1033
Delta R.T. -0.012 min
Lab File: BF138341.D
Acq: 25 Jun 2024 18:37

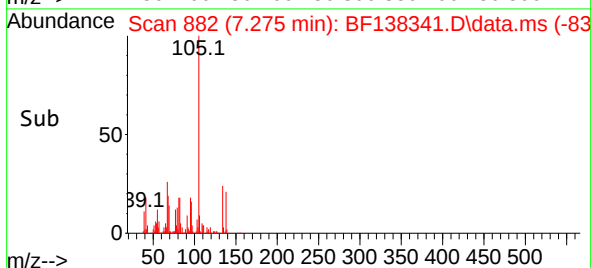
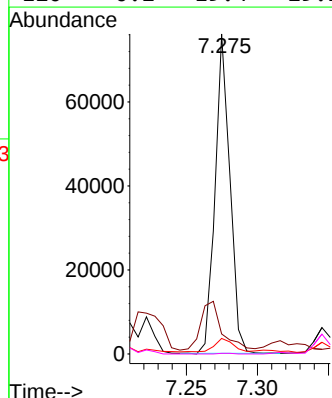
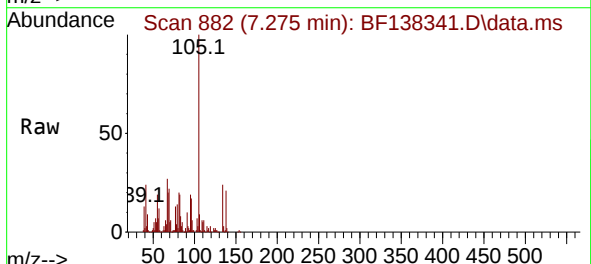
Instrument :
BNA_F
ClientSampleId :
TR-06-062024

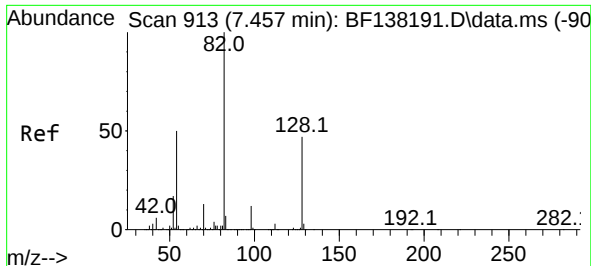
Tgt Ion:	136	Resp:	690415
Ion Ratio	Lower	Upper	
136	100		
137	11.6	9.1	13.7
54	8.0	6.6	10.0
68	7.3	5.4	8.2



#22
Acetophenone
Concen: 3.487 ng
RT: 7.275 min Scan# 882
Delta R.T. -0.029 min
Lab File: BF138341.D
Acq: 25 Jun 2024 18:37

Tgt Ion:	105	Resp:	54993
Ion Ratio	Lower	Upper	
105	100		
71	6.3	5.4	8.2
51	4.8	21.4	32.0#
120	0.2	19.4	29.2#

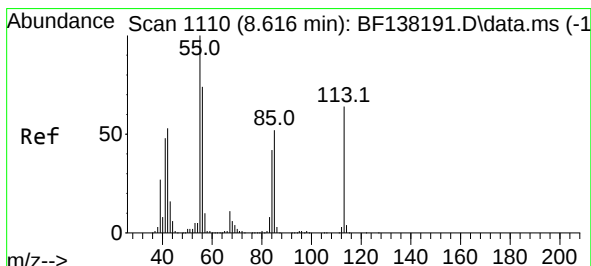
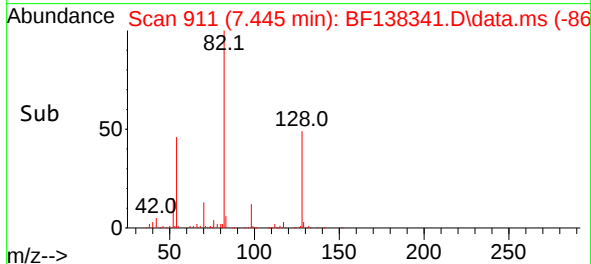
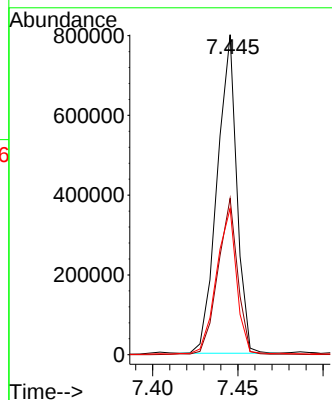
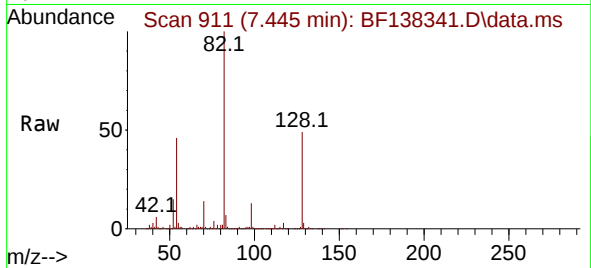




#23
Nitrobenzene-d5
Concen: 54.024 ng
RT: 7.445 min Scan# 911
Delta R.T. -0.012 min
Lab File: BF138341.D
Acq: 25 Jun 2024 18:37

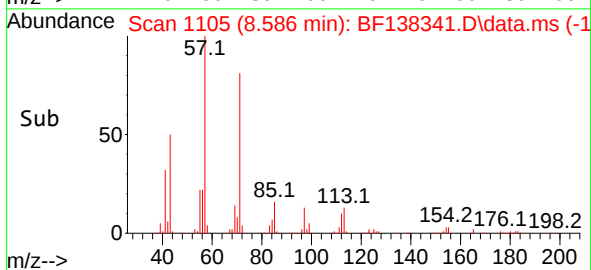
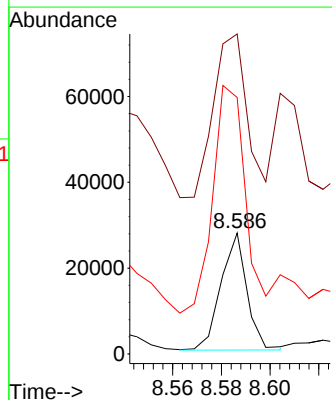
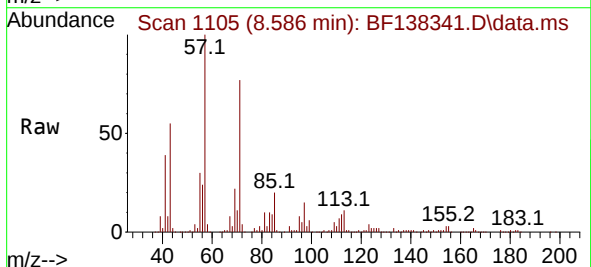
Instrument :
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ClientSampleId :
TR-06-062024

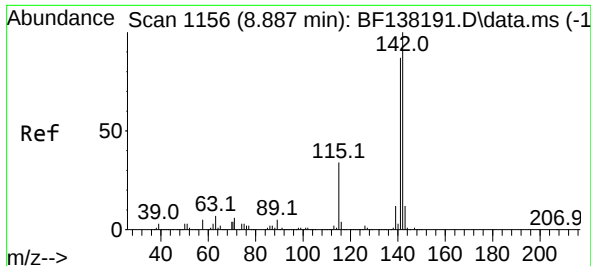
Tgt Ion: 82 Resp: 640700
Ion Ratio Lower Upper
82 100
128 48.8 37.2 55.8
54 45.7 39.8 59.6



#35
Caprolactam
Concen: 6.950 ng
RT: 8.586 min Scan# 1105
Delta R.T. -0.029 min
Lab File: BF138341.D
Acq: 25 Jun 2024 18:37

Tgt Ion: 113 Resp: 20257
Ion Ratio Lower Upper
113 100
55 264.4 135.4 175.4#
56 211.9 95.5 135.5#





#37

2-Methylnaphthalene

Concen: 2.817 ng

RT: 8.875 min Scan# 1154

Delta R.T. -0.012 min

Lab File: BF138341.D

Acq: 25 Jun 2024 18:37

Instrument :

BNA_F

ClientSampleId :

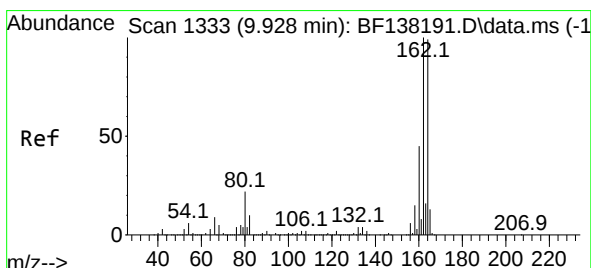
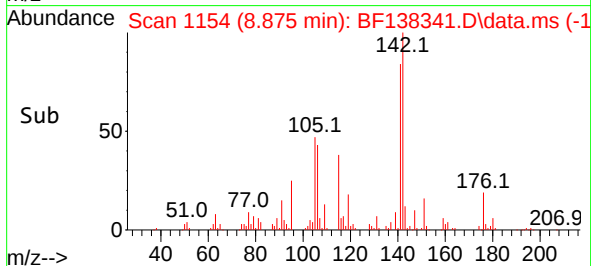
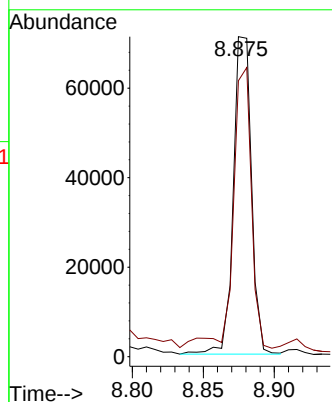
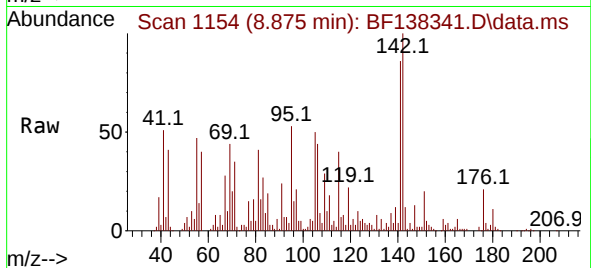
TR-06-062024

Tgt Ion:142 Resp: 63112

Ion Ratio Lower Upper

142 100

141 86.3 69.9 104.9



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1332

Delta R.T. -0.006 min

Lab File: BF138341.D

Acq: 25 Jun 2024 18:37

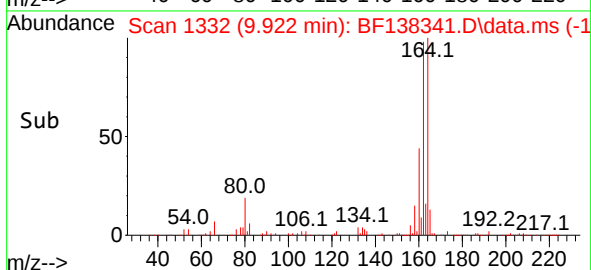
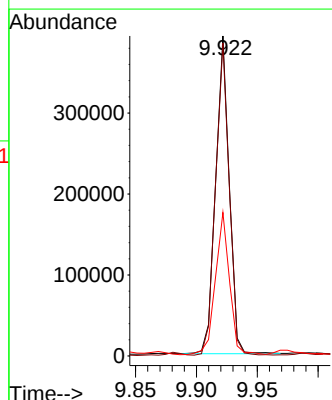
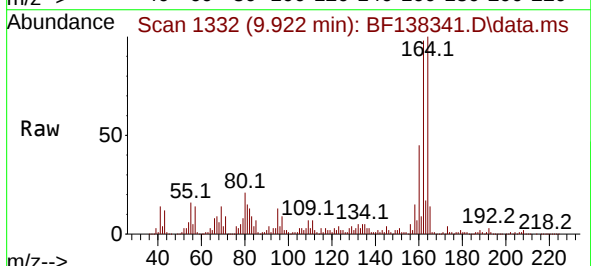
Tgt Ion:164 Resp: 305181

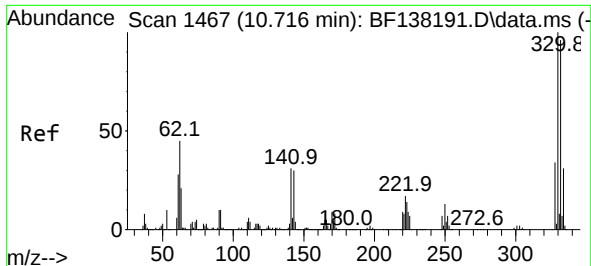
Ion Ratio Lower Upper

164 100

162 97.8 80.6 121.0

160 44.9 36.3 54.5





#42

2,4,6-Tribromophenol

Concen: 84.285 ng

RT: 10.710 min Scan# 1467

Delta R.T. -0.006 min

Lab File: BF138341.D

Acq: 25 Jun 2024 18:37

Instrument :

BNA_F

ClientSampleId :

TR-06-062024

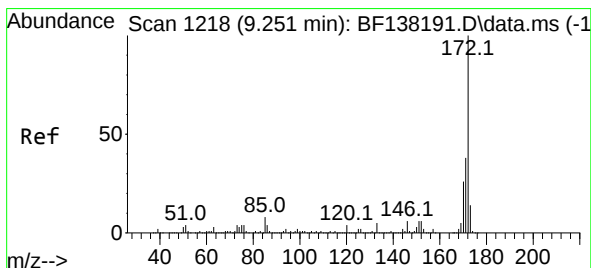
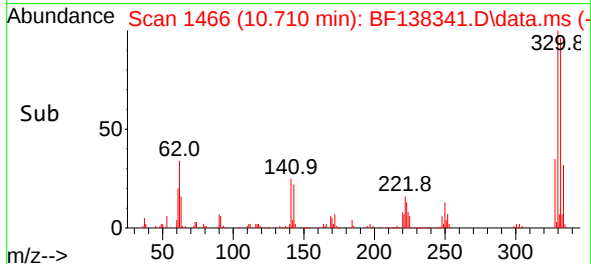
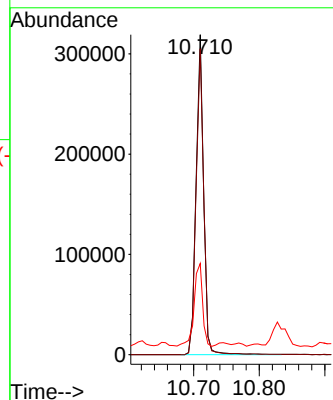
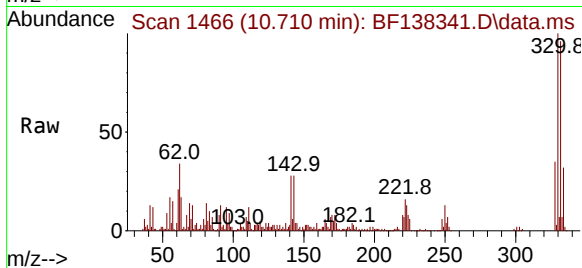
Tgt Ion:330 Resp: 256070

Ion Ratio Lower Upper

330 100

332 96.4 76.6 115.0

141 28.9 23.9 35.9



#45

2-Fluorobiphenyl

Concen: 63.942 ng

RT: 9.239 min Scan# 1216

Delta R.T. -0.012 min

Lab File: BF138341.D

Acq: 25 Jun 2024 18:37

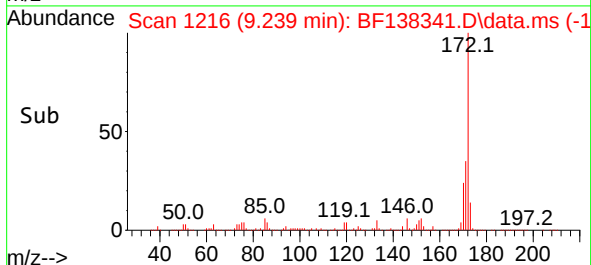
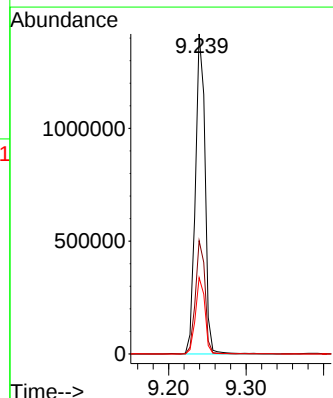
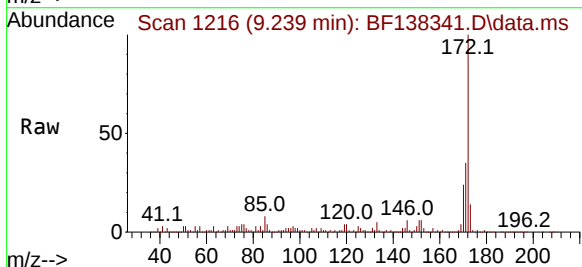
Tgt Ion:172 Resp: 1227176

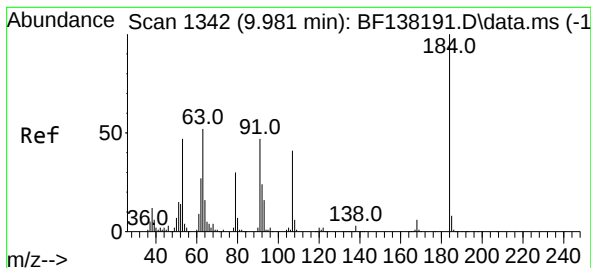
Ion Ratio Lower Upper

172 100

171 35.4 30.3 45.5

170 23.9 20.6 30.8





#54

2,4-Dinitrophenol

Concen: 4.601 ng

RT: 9.992 min Scan# 1

Delta R.T. 0.011 min

Lab File: BF138341.D

Acq: 25 Jun 2024 18:37

Instrument :

BNA_F

ClientSampleId :

TR-06-062024

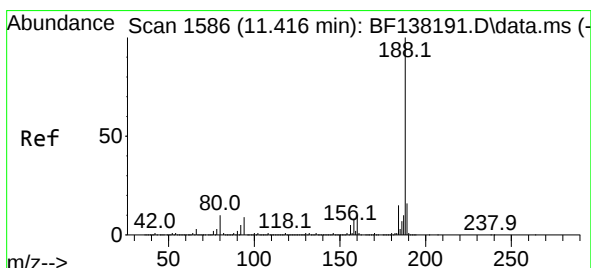
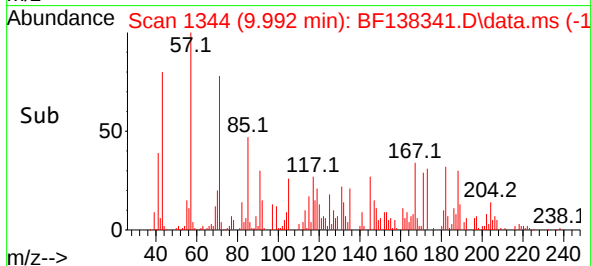
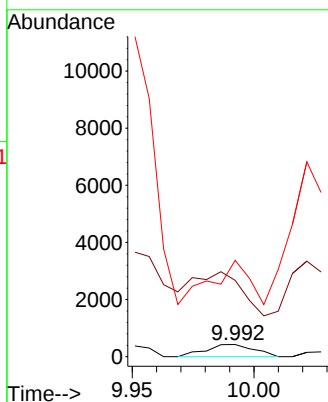
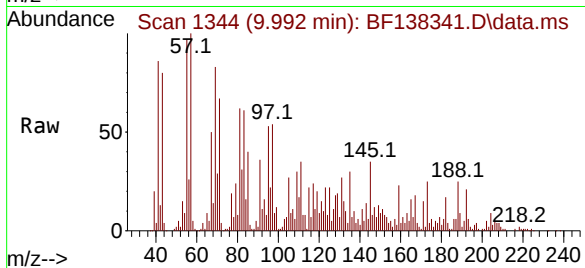
Tgt Ion:184 Resp: 592

Ion Ratio Lower Upper

184 100

63 622.8 49.2 73.8#

154 786.9 46.7 70.1#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1585

Delta R.T. -0.006 min

Lab File: BF138341.D

Acq: 25 Jun 2024 18:37

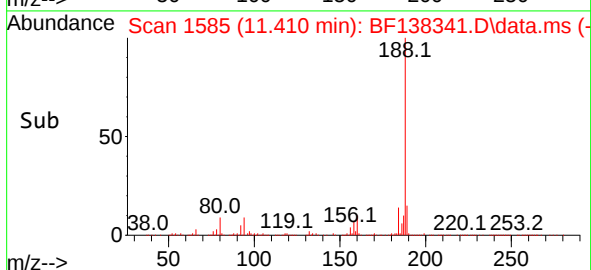
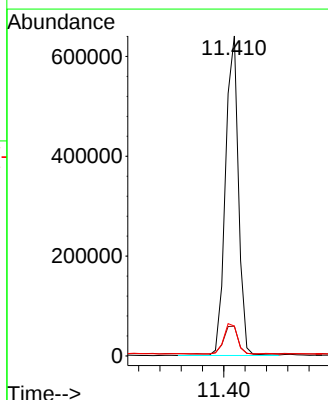
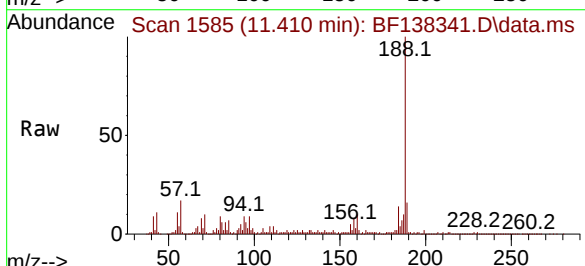
Tgt Ion:188 Resp: 538837

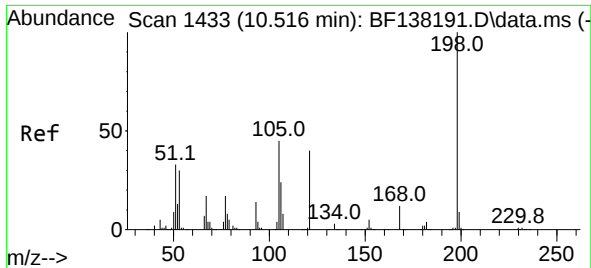
Ion Ratio Lower Upper

188 100

94 9.3 7.6 11.4

80 9.4 8.1 12.1

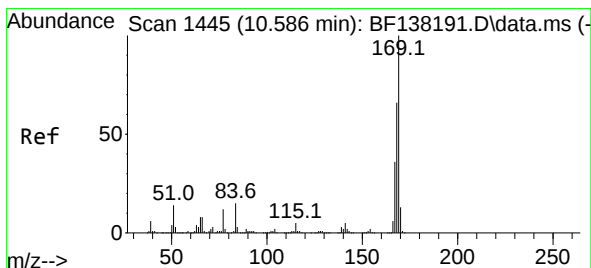
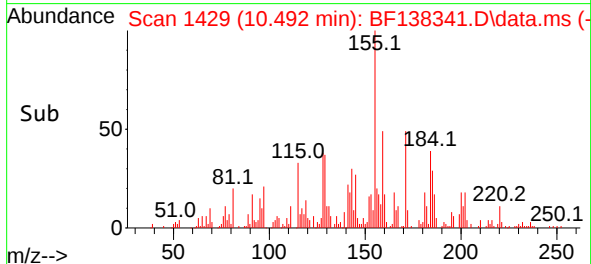
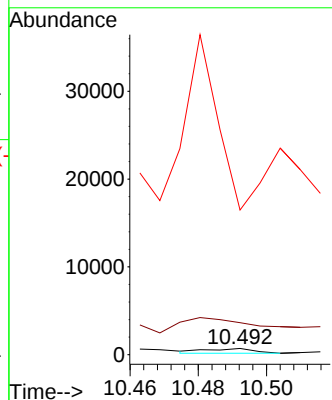
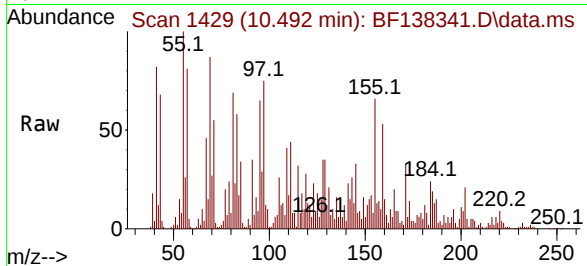




#65
4,6-Dinitro-2-methylphenol
Concen: 7.097 ng
RT: 10.492 min Scan# 1429
Delta R.T. -0.024 min
Lab File: BF138341.D
Acq: 25 Jun 2024 18:37

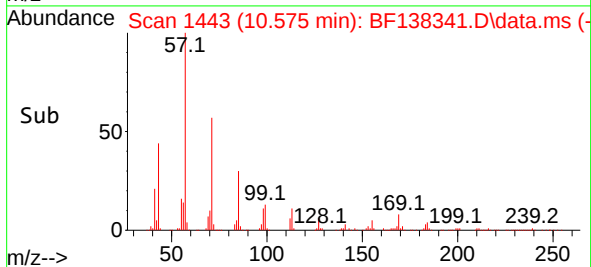
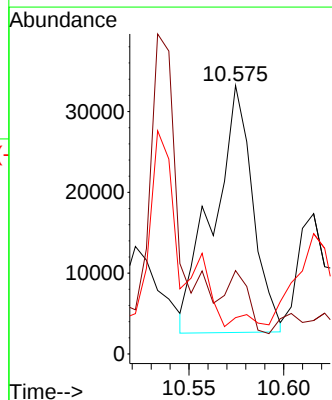
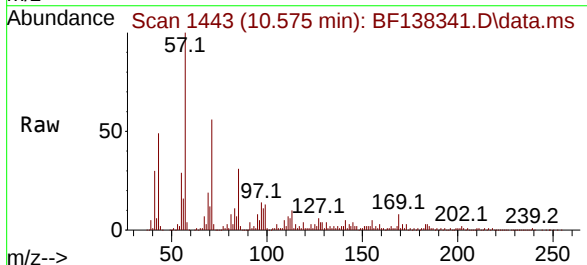
Instrument :
BNA_F
ClientSampleId :
TR-06-062024

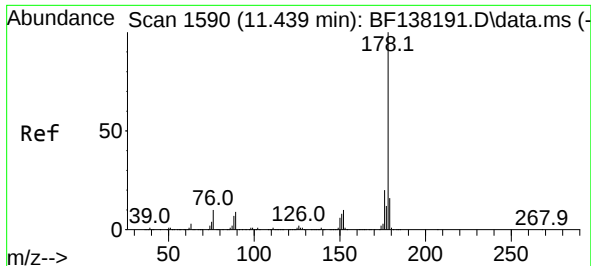
Tgt Ion:198 Resp: 521
Ion Ratio Lower Upper
198 100
51 513.9 26.9 66.9#
105 2320.0 26.0 66.0#



#66
n-Nitrosodiphenylamine
Concen: 2.670 ng
RT: 10.575 min Scan# 1443
Delta R.T. -0.012 min
Lab File: BF138341.D
Acq: 25 Jun 2024 18:37

Tgt Ion:169 Resp: 44051
Ion Ratio Lower Upper
169 100
168 31.1 52.9 79.3#
167 13.5 29.0 43.6#

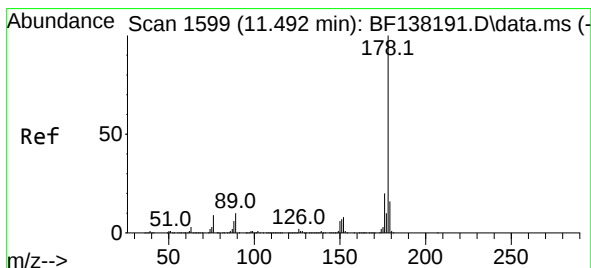
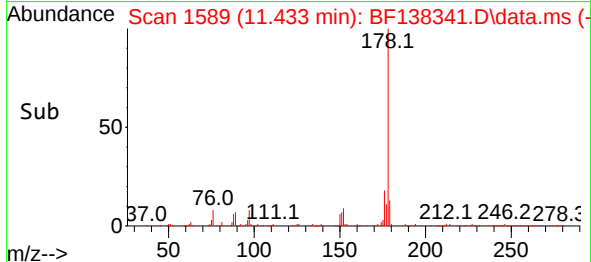
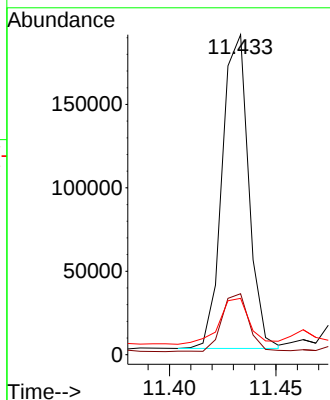
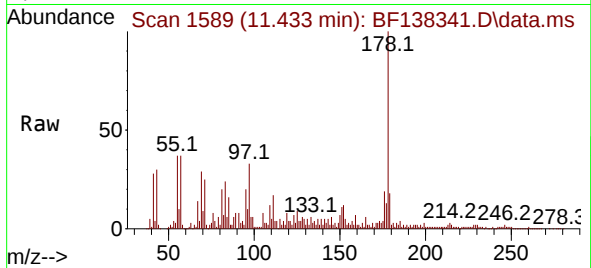




#71
Phenanthrene
Concen: 6.104 ng
RT: 11.433 min Scan# 1589
Delta R.T. -0.006 min
Lab File: BF138341.D
Acq: 25 Jun 2024 18:37

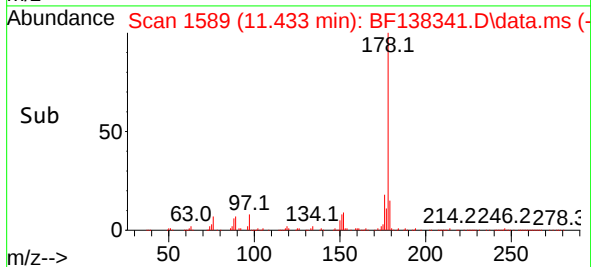
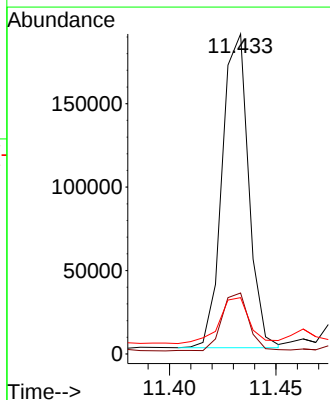
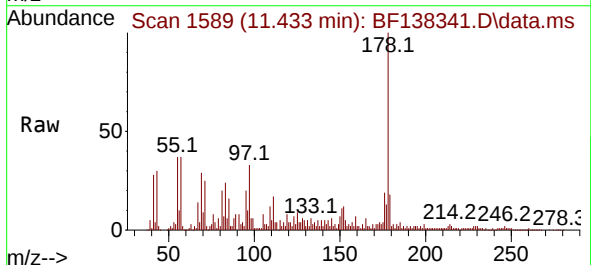
Instrument :
BNA_F
ClientSampleId :
TR-06-062024

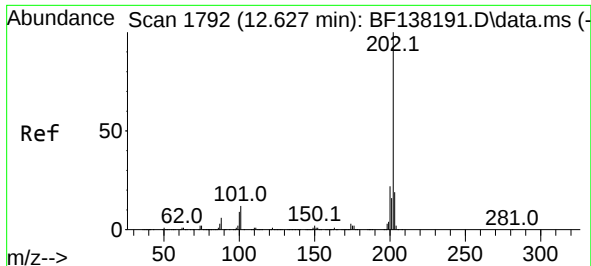
Tgt Ion:178 Resp: 162659
Ion Ratio Lower Upper
178 100
176 19.0 16.4 24.6
179 17.6 13.1 19.7



#72
Anthracene
Concen: 6.148 ng
RT: 11.433 min Scan# 1589
Delta R.T. -0.059 min
Lab File: BF138341.D
Acq: 25 Jun 2024 18:37

Tgt Ion:178 Resp: 162659
Ion Ratio Lower Upper
178 100
176 19.0 15.7 23.5
179 17.6 13.0 19.6

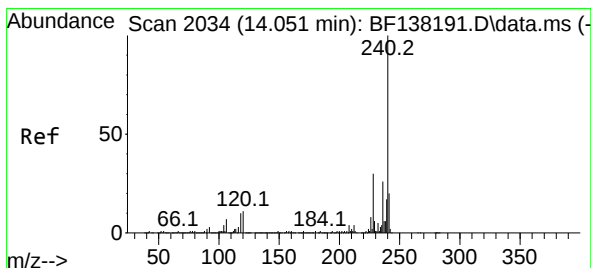
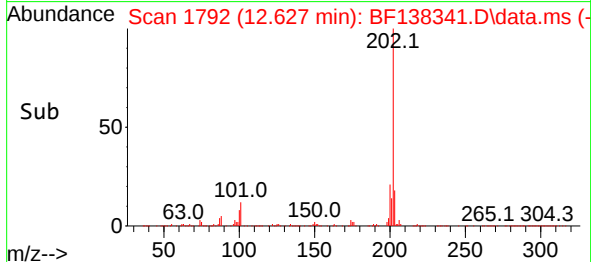
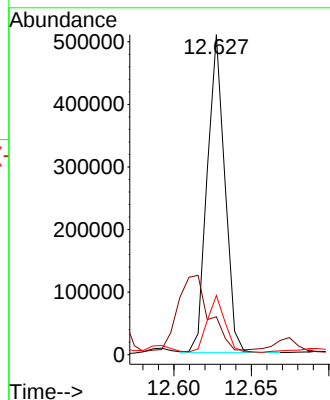
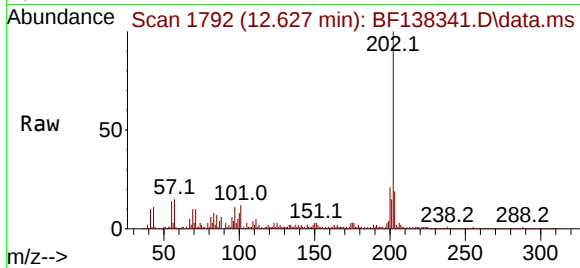




#75
Fluoranthene
Concen: 14.666 ng
RT: 12.627 min Scan# 1792
Delta R.T. -0.000 min
Lab File: BF138341.D
Acq: 25 Jun 2024 18:37

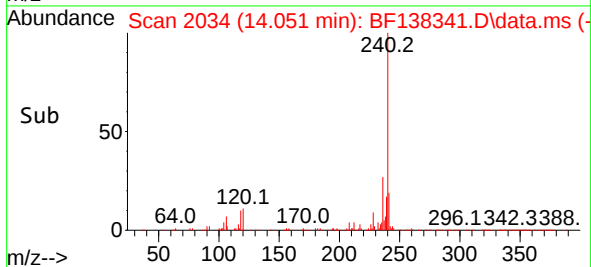
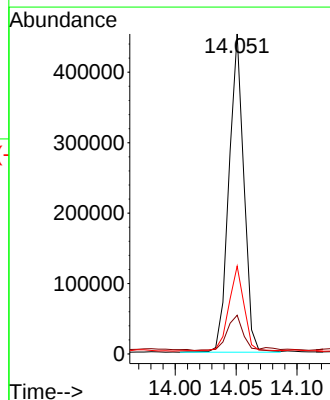
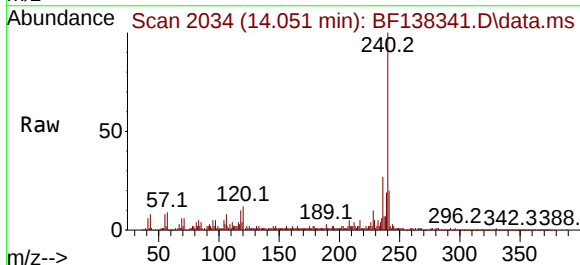
Instrument :
BNA_F
ClientSampleId :
TR-06-062024

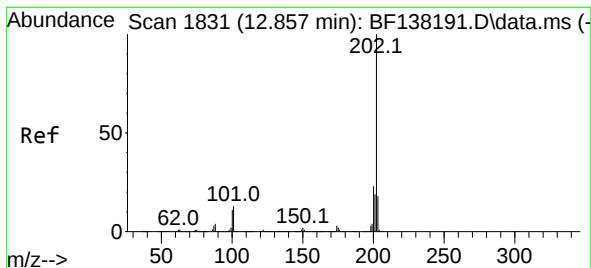
Tgt Ion:202 Resp: 398526
Ion Ratio Lower Upper
202 100
101 11.8 0.0 31.8
203 18.5 0.0 38.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2034
Delta R.T. -0.000 min
Lab File: BF138341.D
Acq: 25 Jun 2024 18:37

Tgt Ion:240 Resp: 384501
Ion Ratio Lower Upper
240 100
120 12.1 9.2 13.8
236 27.4 21.0 31.6





#78

Pyrene

Concen: 13.986 ng

RT: 12.863 min Scan# 1832

Delta R.T. 0.006 min

Lab File: BF138341.D

Acq: 25 Jun 2024 18:37

Instrument :

BNA_F

ClientSampleId :

TR-06-062024

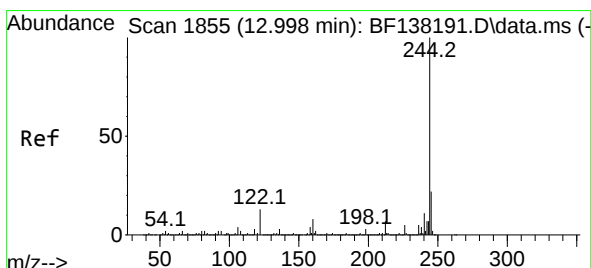
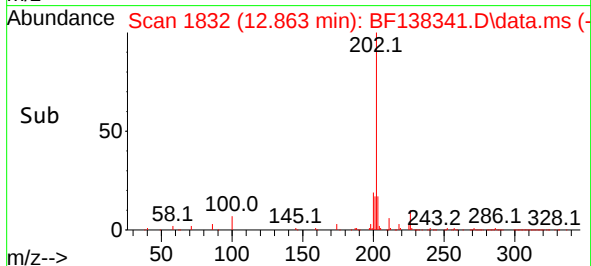
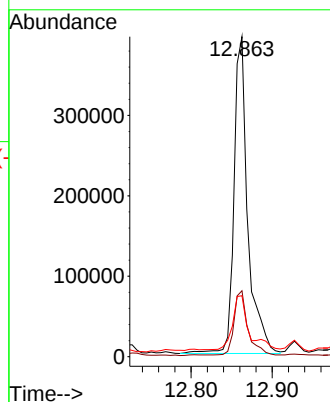
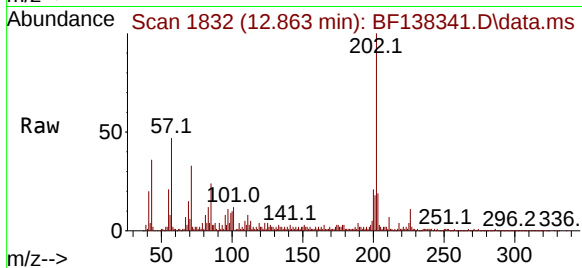
Tgt Ion:202 Resp: 463866

Ion Ratio Lower Upper

202 100

200 20.6 18.0 27.0

203 19.0 14.7 22.1



#79

Terphenyl-d14

Concen: 60.344 ng

RT: 13.004 min Scan# 1856

Delta R.T. 0.006 min

Lab File: BF138341.D

Acq: 25 Jun 2024 18:37

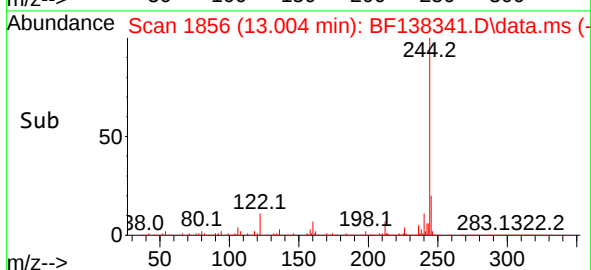
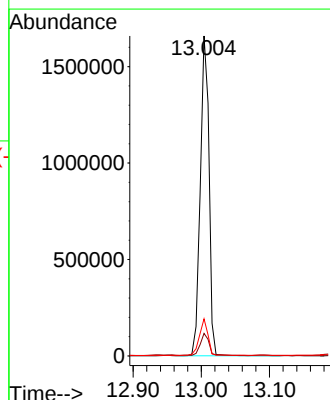
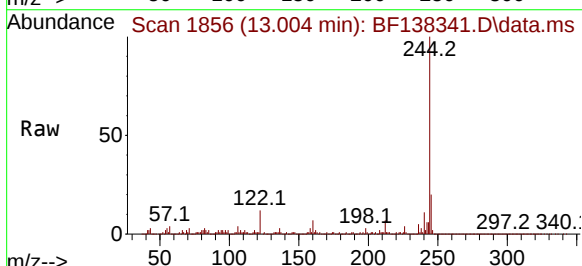
Tgt Ion:244 Resp: 1464960

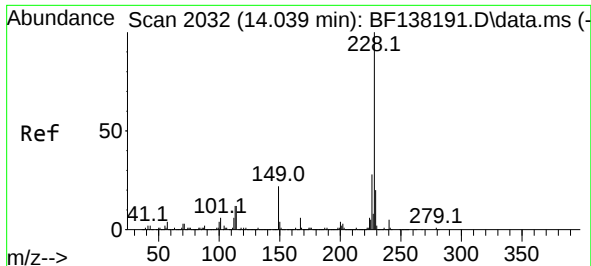
Ion Ratio Lower Upper

244 100

212 7.0 5.9 8.9

122 11.6 10.6 15.8





#81
Benzo(a)anthracene
Concen: 8.307 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.000 min
Lab File: BF138341.D
Acq: 25 Jun 2024 18:37

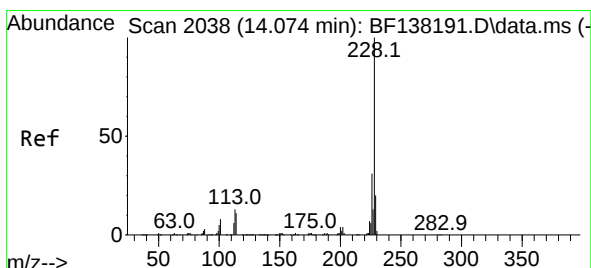
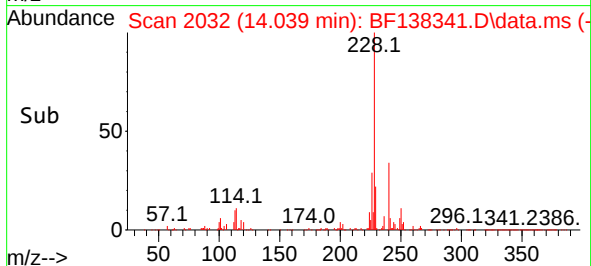
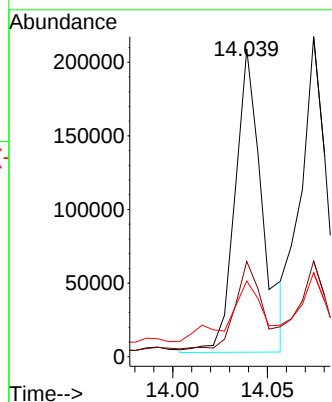
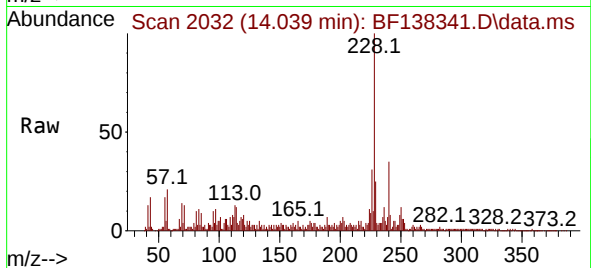
Instrument :

BNA_F

ClientSampleId :

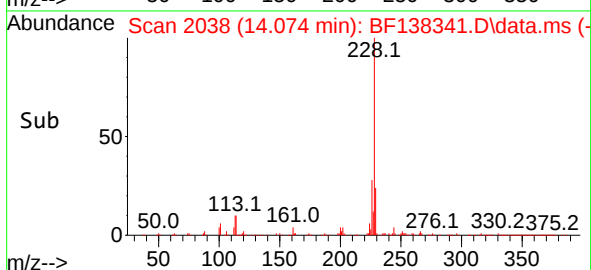
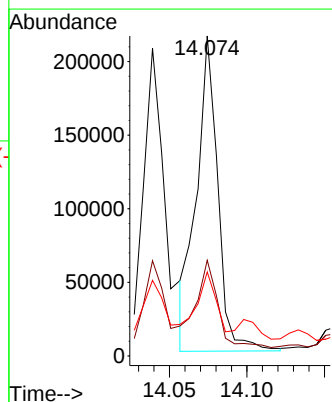
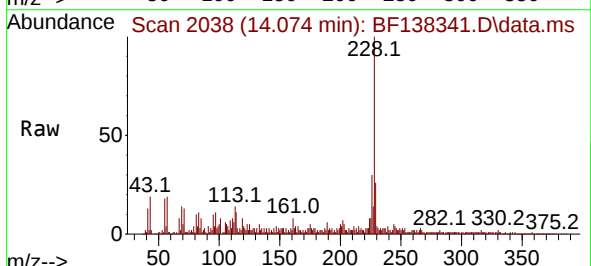
TR-06-062024

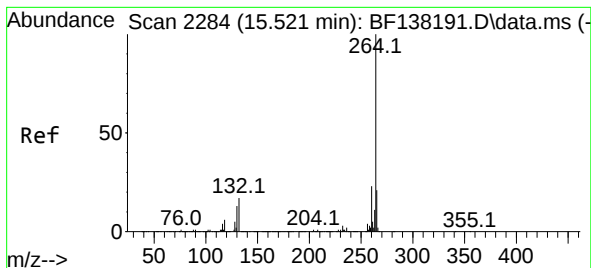
Tgt Ion:228 Resp: 204912
Ion Ratio Lower Upper
228 100
226 30.9 22.5 33.7
229 24.6 16.3 24.5#



#83
Chrysene
Concen: 8.747 ng
RT: 14.074 min Scan# 2038
Delta R.T. -0.000 min
Lab File: BF138341.D
Acq: 25 Jun 2024 18:37

Tgt Ion:228 Resp: 205657
Ion Ratio Lower Upper
228 100
226 29.9 24.5 36.7
229 26.2 16.3 24.5#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.527 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF138341.D

Acq: 25 Jun 2024 18:37

Instrument :

BNA_F

ClientSampleId :

TR-06-062024

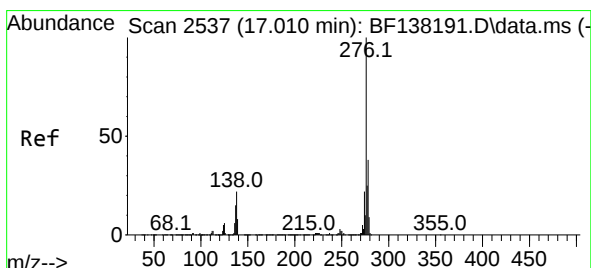
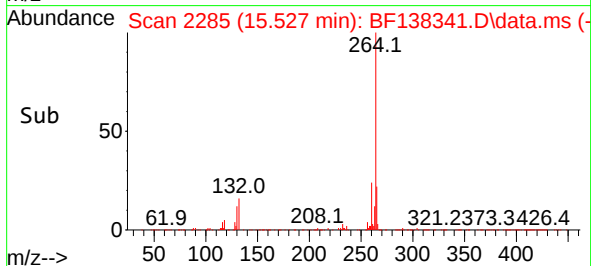
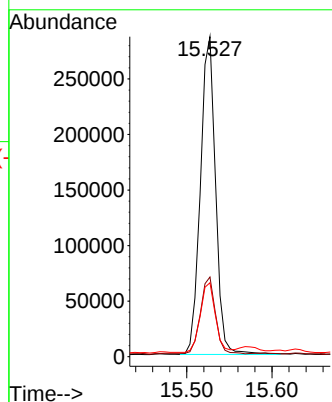
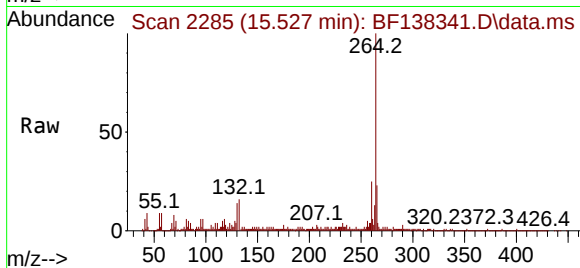
Tgt Ion:264 Resp: 354052

Ion Ratio Lower Upper

264 100

260 24.9 18.7 28.1

265 23.1 17.0 25.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.165 ng

RT: 17.004 min Scan# 2536

Delta R.T. -0.006 min

Lab File: BF138341.D

Acq: 25 Jun 2024 18:37

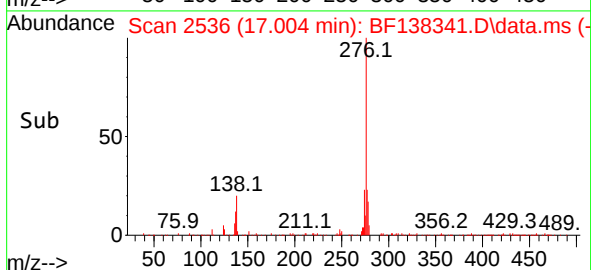
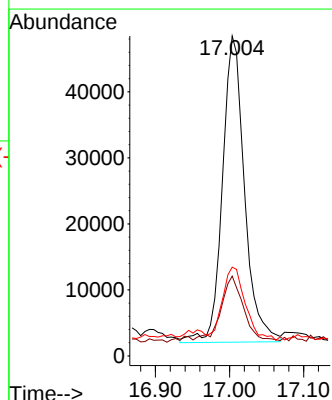
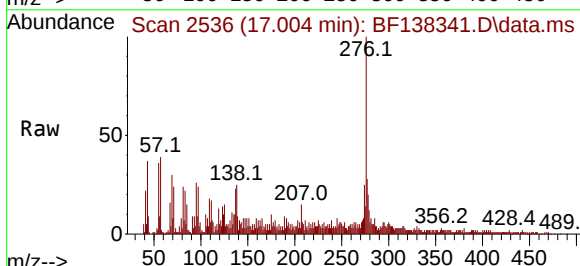
Tgt Ion:276 Resp: 96129

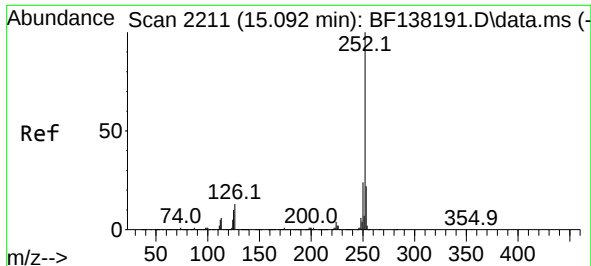
Ion Ratio Lower Upper

276 100

138 21.8 19.3 28.9

277 24.9 20.2 30.2

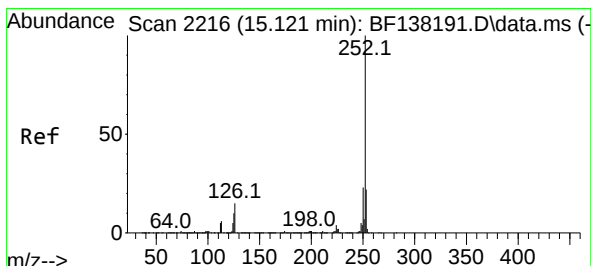
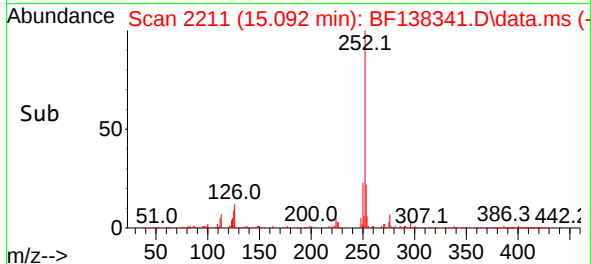
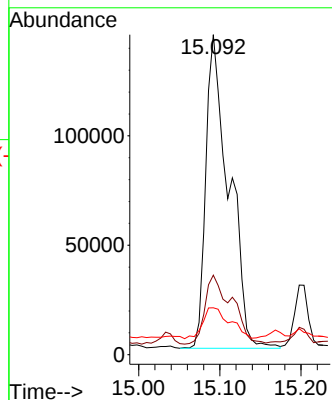
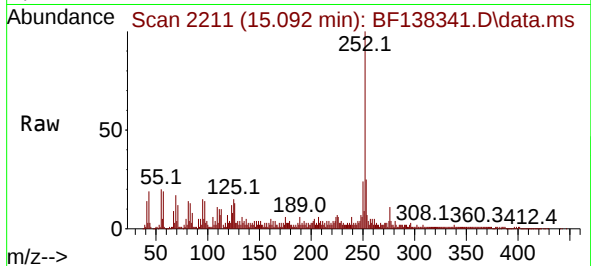




#88
Benzo(b)fluoranthene
Concen: 13.604 ng
RT: 15.092 min Scan# 2111
Delta R.T. -0.000 min
Lab File: BF138341.D
Acq: 25 Jun 2024 18:37

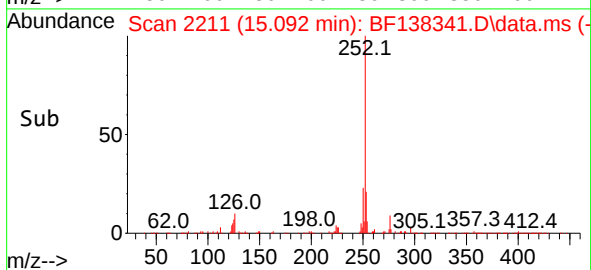
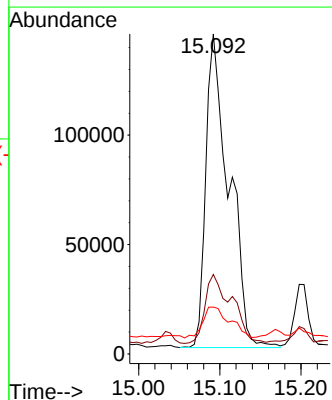
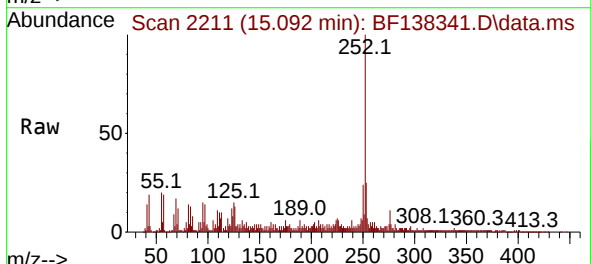
Instrument :
BNA_F
ClientSampleId :
TR-06-062024

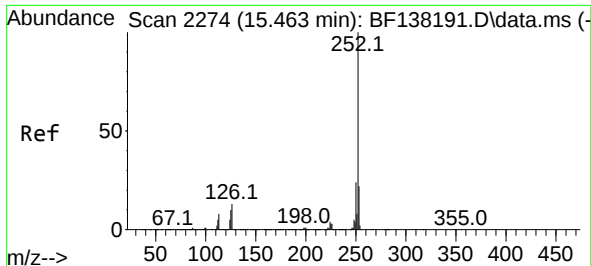
Tgt Ion:252 Resp: 284047
Ion Ratio Lower Upper
252 100
253 24.9 17.7 26.5
125 14.6 7.8 11.8#



#89
Benzo(k)fluoranthene
Concen: 13.882 ng
RT: 15.092 min Scan# 2211
Delta R.T. -0.030 min
Lab File: BF138341.D
Acq: 25 Jun 2024 18:37

Tgt Ion:252 Resp: 284047
Ion Ratio Lower Upper
252 100
253 24.9 17.8 26.8
125 14.6 8.0 12.0#

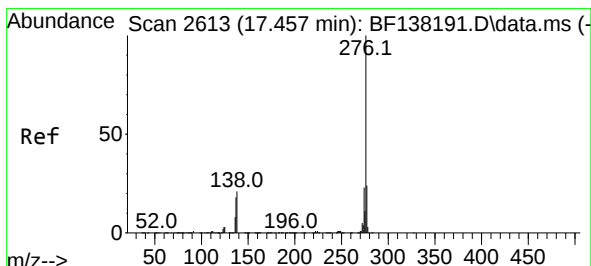
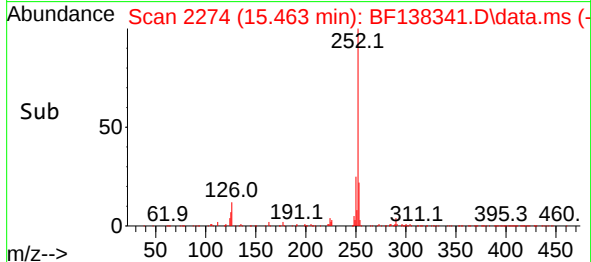
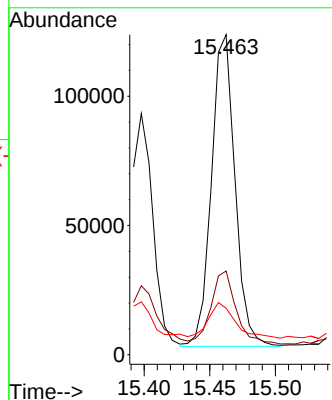
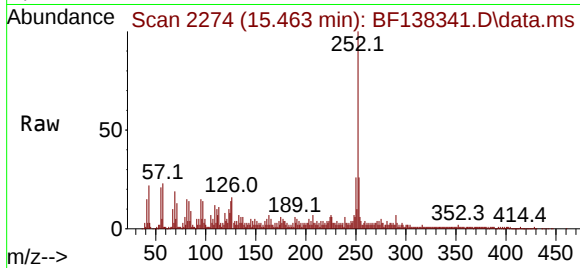




#90
Benzo(a)pyrene
Concen: 8.400 ng
RT: 15.463 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF138341.D
Acq: 25 Jun 2024 18:37

Instrument :
BNA_F
ClientSampleId :
TR-06-062024

Tgt Ion:252 Resp: 150675
Ion Ratio Lower Upper
252 100
253 26.2 17.7 26.5
125 14.5 8.2 12.2#



#92
Benzo(g,h,i)perylene
Concen: 4.835 ng
RT: 17.456 min Scan# 2613
Delta R.T. -0.000 min
Lab File: BF138341.D
Acq: 25 Jun 2024 18:37

Tgt Ion:276 Resp: 94752
Ion Ratio Lower Upper
276 100
277 25.5 19.5 29.3
138 22.1 16.6 24.8

