

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062424\
 Data File : BF138319.D
 Acq On : 24 Jun 2024 19:42
 Operator : CG\JU
 Sample : P2997-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-06-062024

Quant Time: Jun 25 01:17:31 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)

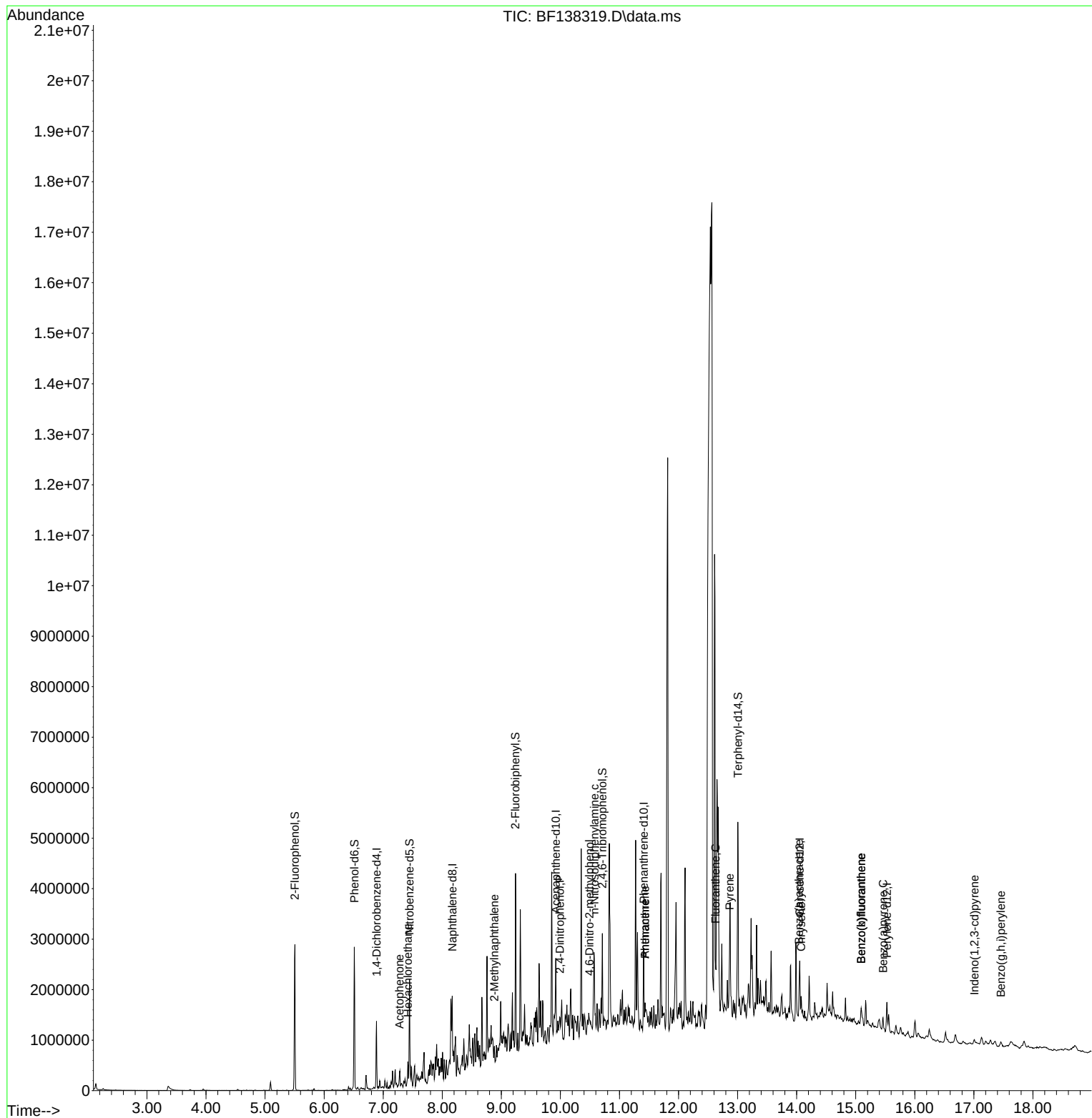
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	183856	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	587202	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	260262	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	492480	20.000	ng	0.00
76) Chrysene-d12	14.051	240	328522	20.000	ng	0.00
86) Perylene-d12	15.527	264	291046	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	851533	77.477	ng	0.00
7) Phenol-d6	6.510	99	1005924	72.178	ng	-0.01
23) Nitrobenzene-d5	7.445	82	558389	55.360	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	236248	91.181	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	1013593	61.928	ng	-0.01
79) Terphenyl-d14	13.004	244	1314036	63.351	ng	0.00
Target Compounds						
						Qvalue
18) Hexachloroethane	7.416	117	21190	4.603	ng	# 1
22) Acetophenone	7.275	105	48908	3.646	ng	# 60
37) 2-Methylnaphthalene	8.881	142	49852	2.616	ng	99
54) 2,4-Dinitrophenol	9.992	184	434	4.545	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.492	198	458	7.090	ng	# 1
66) n-Nitrosodiphenylamine	10.575	169	39448	2.616	ng	# 59
71) Phenanthrene	11.433	178	154609	6.348	ng	99
72) Anthracene	11.433	178	154609	6.394	ng	98
75) Fluoranthene	12.627	202	363922	14.654	ng	99
78) Pyrene	12.863	202	395063	13.942	ng	97
81) Benzo(a)anthracene	14.039	228	169208	8.028	ng	# 92
83) Chrysene	14.074	228	171915	8.557	ng	# 93
87) Indeno(1,2,3-cd)pyrene	17.009	276	76215	4.017	ng	95
88) Benzo(b)fluoranthene	15.092	252	232007	13.518	ng	# 89
89) Benzo(k)fluoranthene	15.092	252	232007	13.793	ng	# 90
90) Benzo(a)pyrene	15.463	252	119448	8.101	ng	# 92
92) Benzo(g,h,i)perylene	17.457	276	76370	4.740	ng	# 91

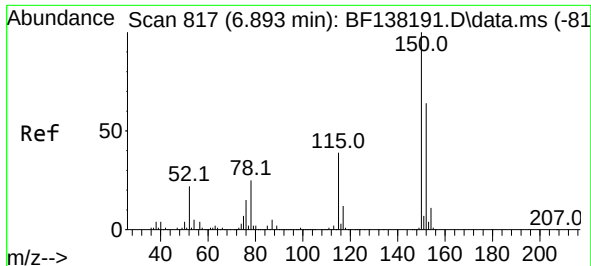
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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
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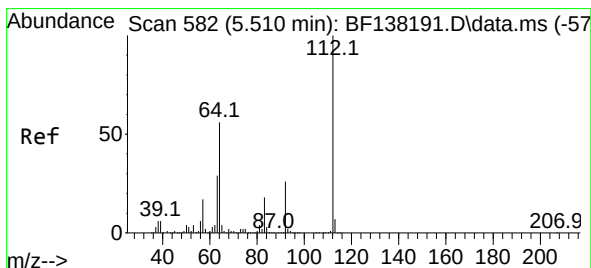
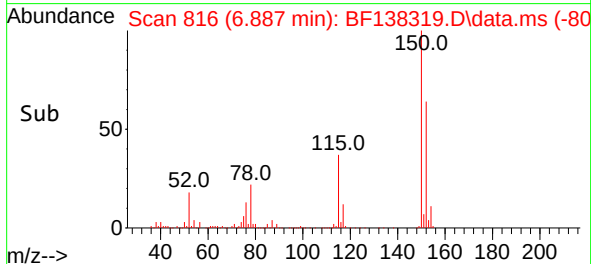
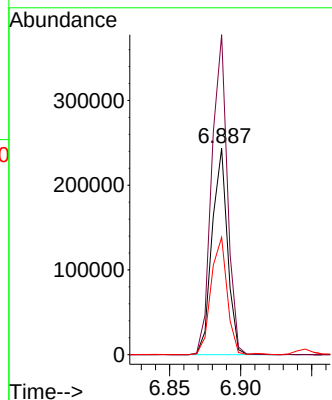
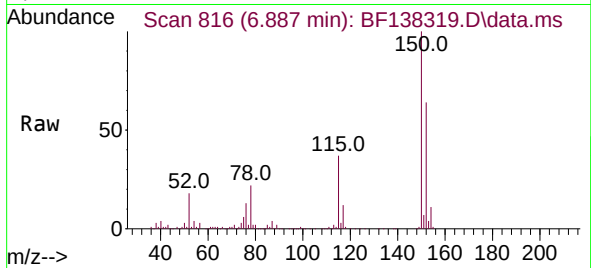




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF138319.D
Acq: 24 Jun 2024 19:42

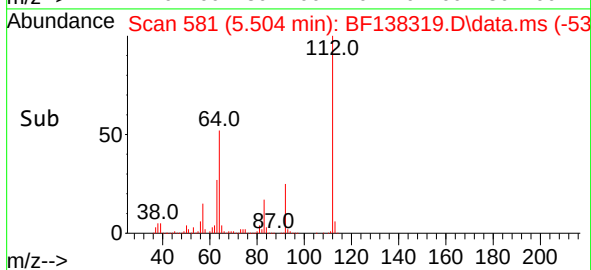
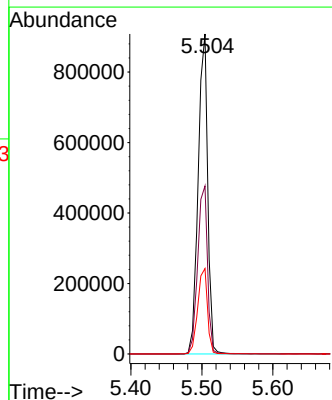
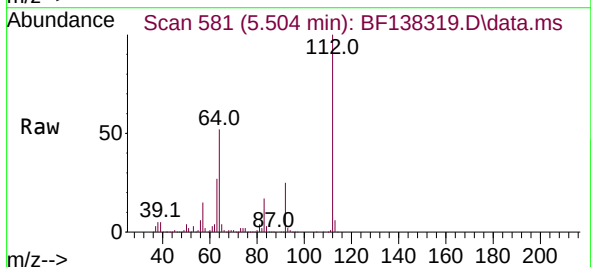
Instrument :
BNA_F
ClientSampleId :
TR-06-062024

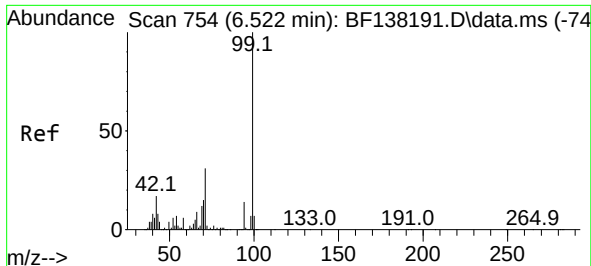
Tgt Ion:152 Resp: 183856
Ion Ratio Lower Upper
152 100
150 155.1 125.0 187.4
115 56.8 48.4 72.6



#5
2-Fluorophenol
Concen: 77.477 ng
RT: 5.504 min Scan# 581
Delta R.T. -0.006 min
Lab File: BF138319.D
Acq: 24 Jun 2024 19:42

Tgt Ion:112 Resp: 851533
Ion Ratio Lower Upper
112 100
64 52.5 45.2 67.8
63 26.7 22.9 34.3





#7

Phenol-d6

Concen: 72.178 ng

RT: 6.510 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF138319.D

Acq: 24 Jun 2024 19:42

Instrument :

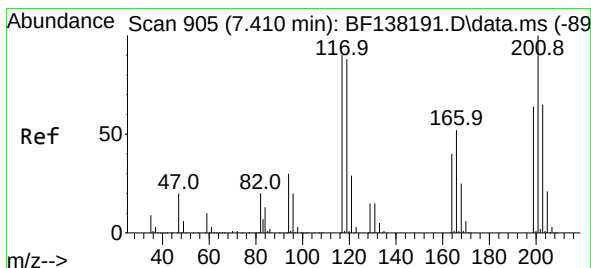
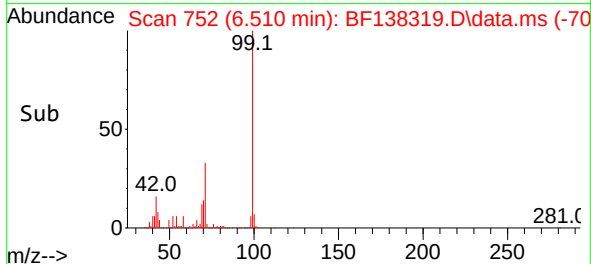
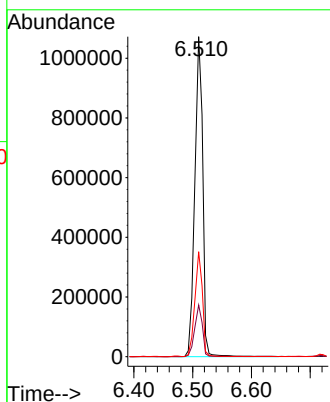
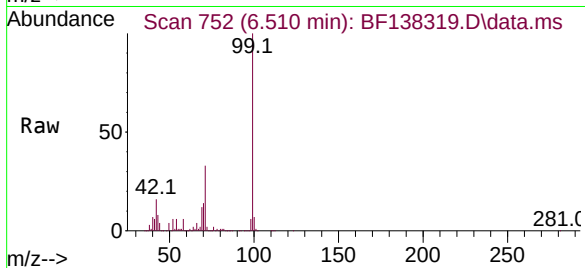
BNA_F

ClientSampleId :

TR-06-062024

Tgt Ion: 99 Resp: 1005924

Ion	Ratio	Lower	Upper
99	100		
42	16.2	13.7	20.5
71	32.8	25.0	37.6



#18

Hexachloroethane

Concen: 4.603 ng

RT: 7.416 min Scan# 906

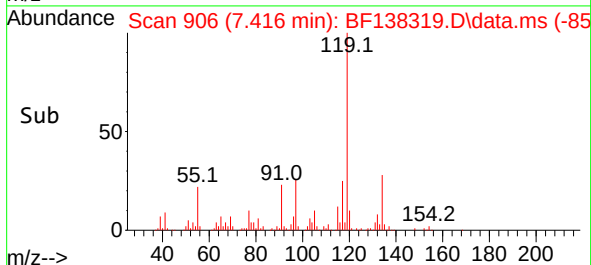
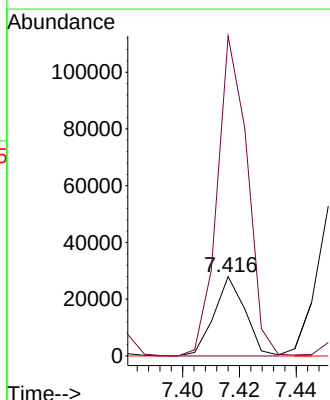
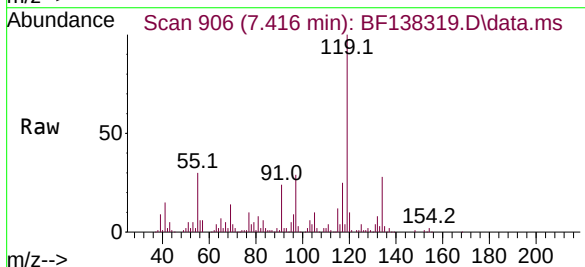
Delta R.T. 0.006 min

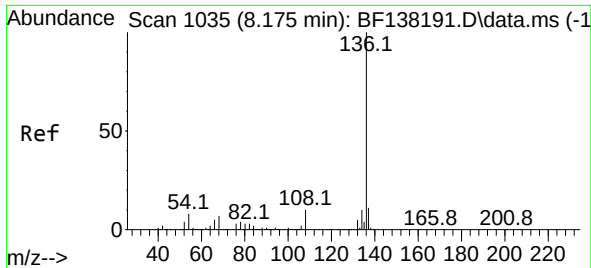
Lab File: BF138319.D

Acq: 24 Jun 2024 19:42

Tgt Ion: 117 Resp: 21190

Ion	Ratio	Lower	Upper
117	100		
119	403.0	78.4	117.6#
201	0.0	89.0	133.6#





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF138319.D
Acq: 24 Jun 2024 19:42

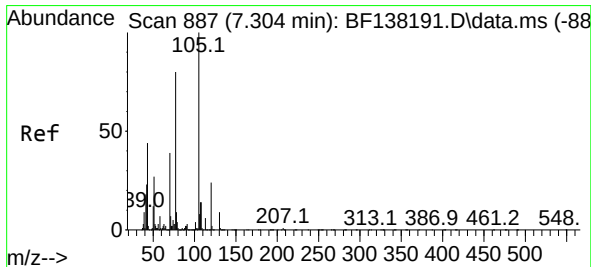
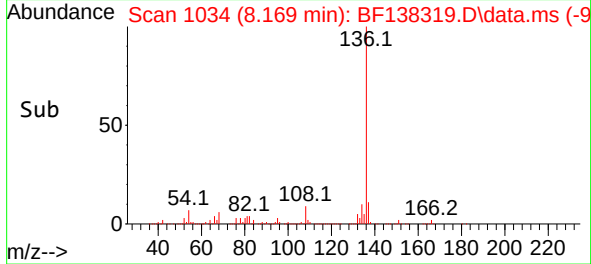
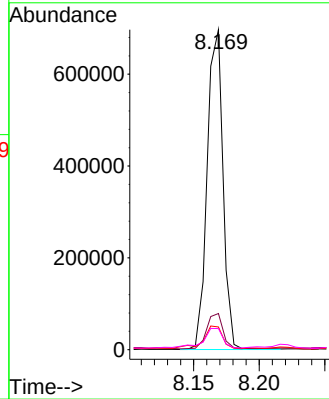
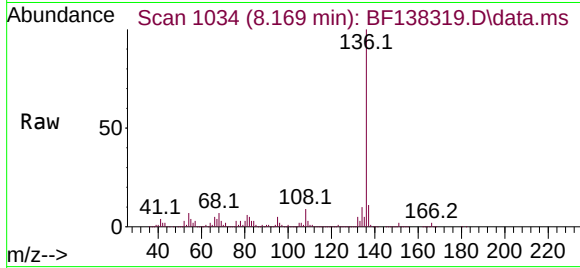
Instrument :

BNA_F

ClientSampleId :

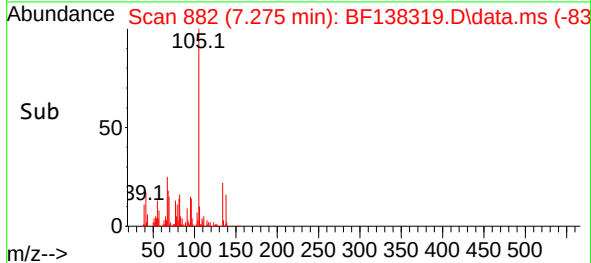
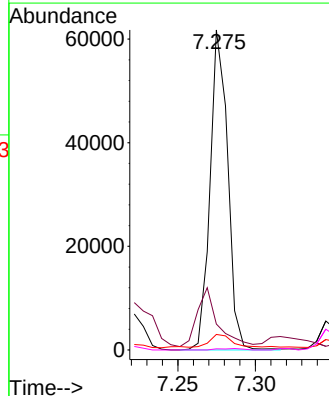
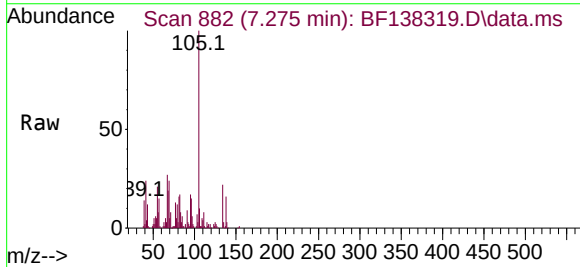
TR-06-062024

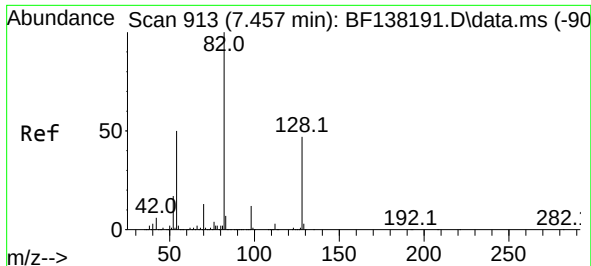
Tgt Ion:136	Resp: 587202
Ion Ratio	Lower Upper
136 100	
137 11.3	9.1 13.7
54 7.1	6.6 10.0
68 6.6	5.4 8.2



#22
Acetophenone
Concen: 3.646 ng
RT: 7.275 min Scan# 882
Delta R.T. -0.029 min
Lab File: BF138319.D
Acq: 24 Jun 2024 19:42

Tgt	Ion:105	Resp:	48908
Ion	Ratio	Lower	Upper
105	100		
71	8.1	5.4	8.2
51	4.8	21.4	32.0#
120	0.4	19.4	29.2#

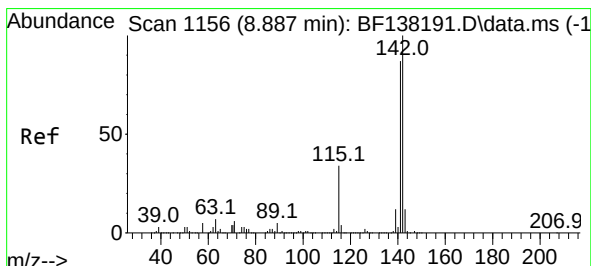
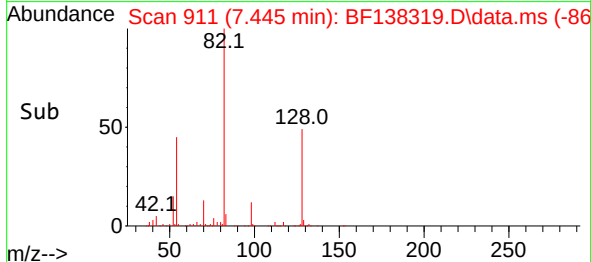
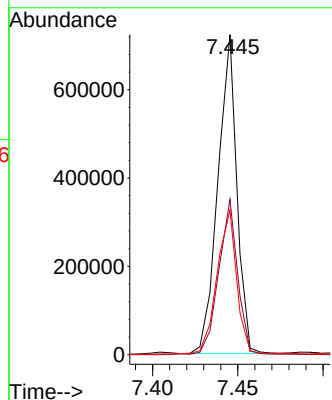
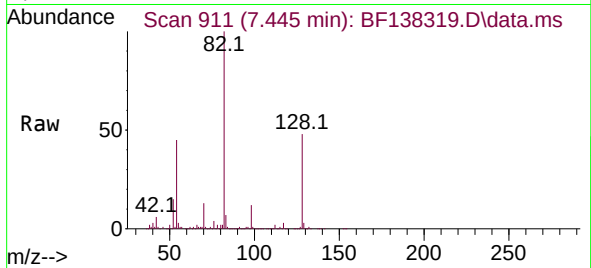




#23
Nitrobenzene-d5
Concen: 55.360 ng
RT: 7.445 min Scan# 911
Delta R.T. -0.012 min
Lab File: BF138319.D
Acq: 24 Jun 2024 19:42

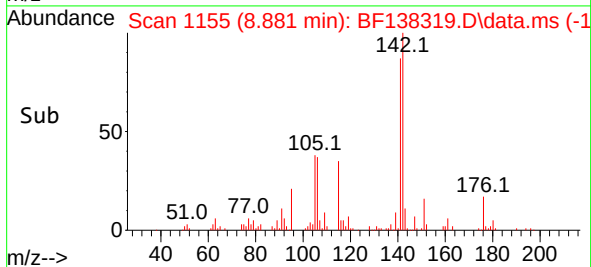
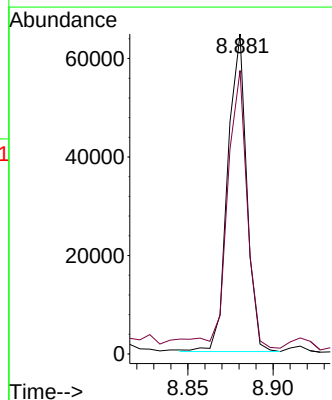
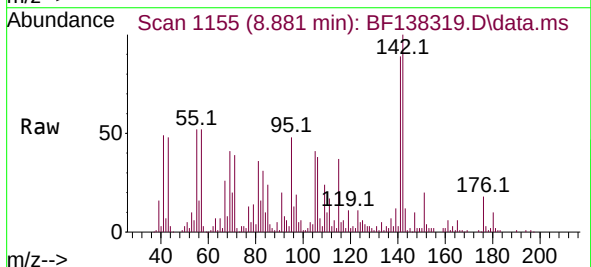
Instrument :
BNA_F
ClientSampleId :
TR-06-062024

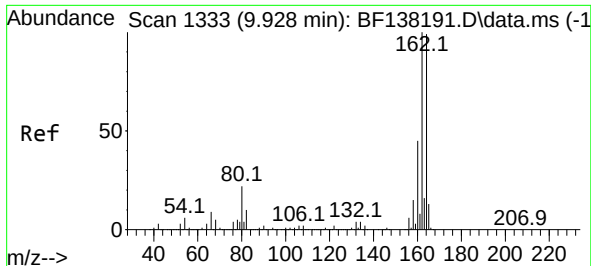
Tgt Ion: 82 Resp: 558389
Ion Ratio Lower Upper
82 100
128 48.5 37.2 55.8
54 45.2 39.8 59.6



#37
2-Methylnaphthalene
Concen: 2.616 ng
RT: 8.881 min Scan# 1155
Delta R.T. -0.006 min
Lab File: BF138319.D
Acq: 24 Jun 2024 19:42

Tgt Ion: 142 Resp: 49852
Ion Ratio Lower Upper
142 100
141 88.6 69.9 104.9





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1333
Delta R.T. -0.006 min
Lab File: BF138319.D
Acq: 24 Jun 2024 19:42

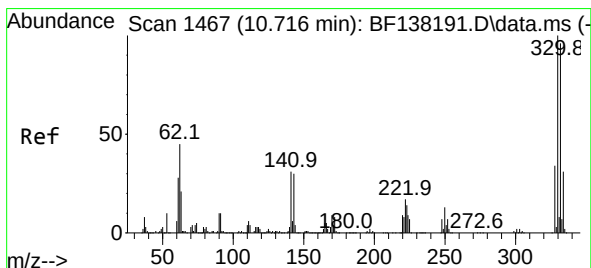
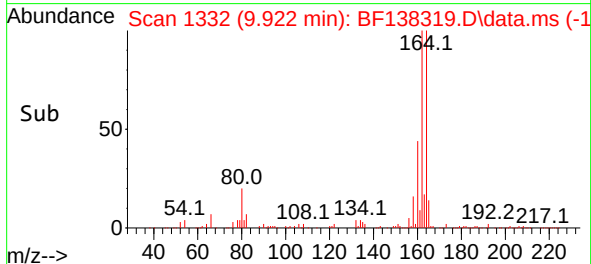
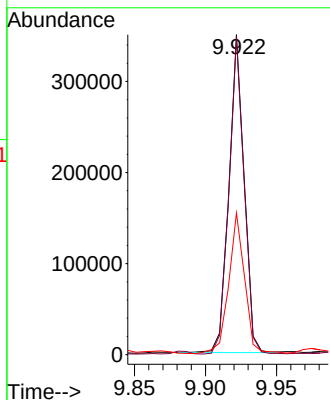
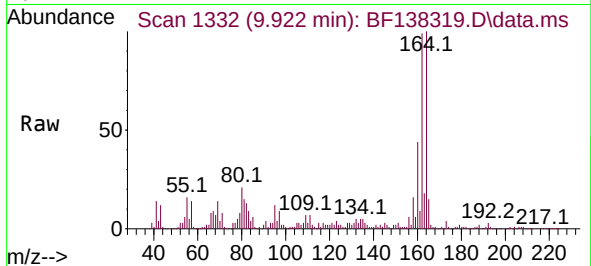
Instrument :

BNA_F

ClientSampleId :

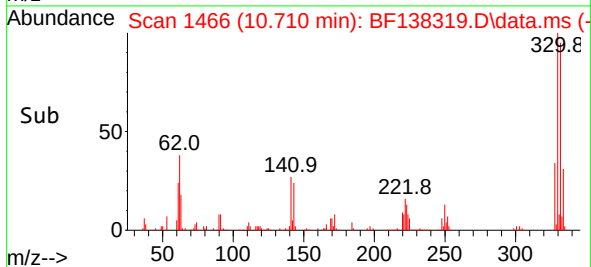
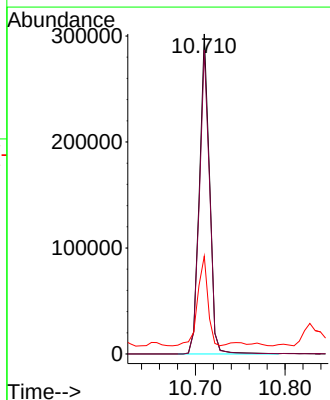
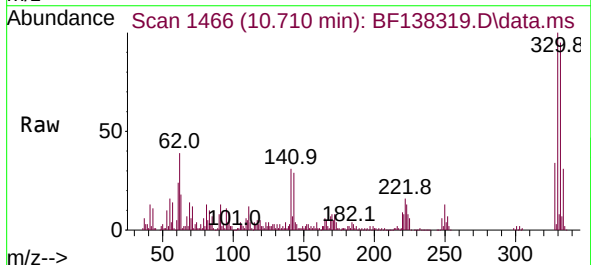
TR-06-062024

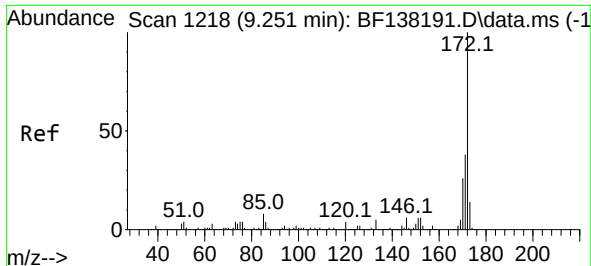
Tgt Ion:164 Resp: 260262
Ion Ratio Lower Upper
164 100
162 99.4 80.6 121.0
160 44.3 36.3 54.5



#42
2,4,6-Tribromophenol
Concen: 91.181 ng
RT: 10.710 min Scan# 1466
Delta R.T. -0.006 min
Lab File: BF138319.D
Acq: 24 Jun 2024 19:42

Tgt Ion:330 Resp: 236248
Ion Ratio Lower Upper
330 100
332 96.1 76.6 115.0
141 29.4 23.9 35.9

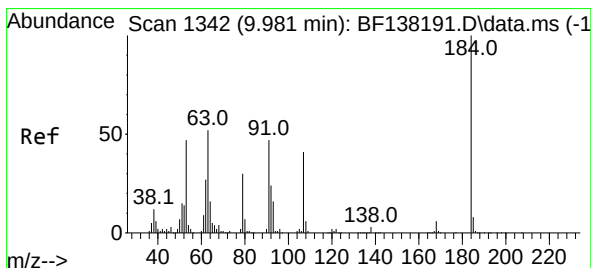
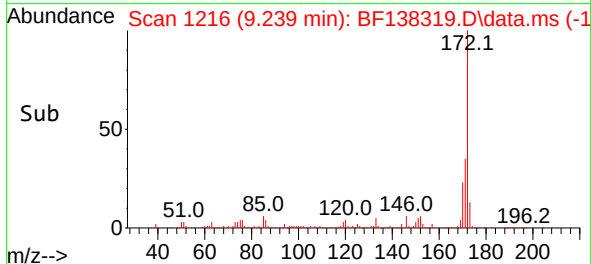
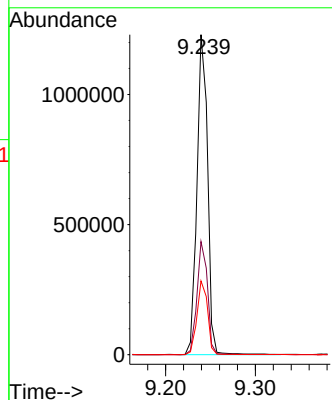
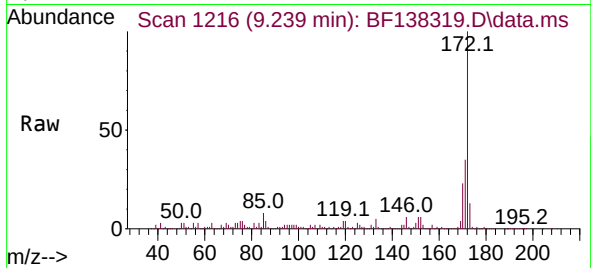




#45
2-Fluorobiphenyl
Concen: 61.928 ng
RT: 9.239 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF138319.D
Acq: 24 Jun 2024 19:42

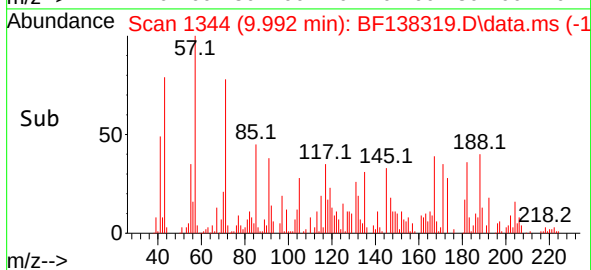
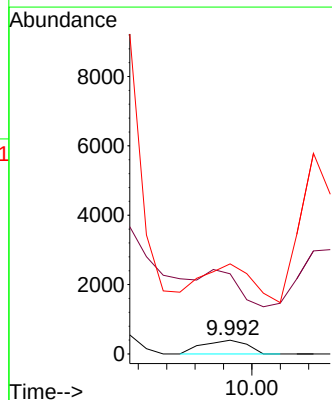
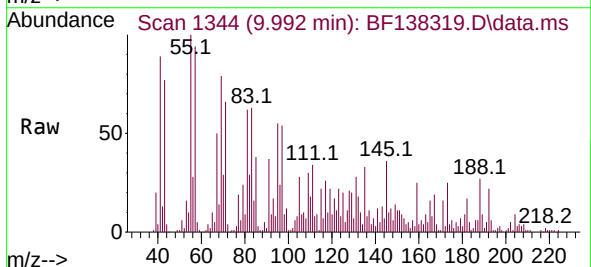
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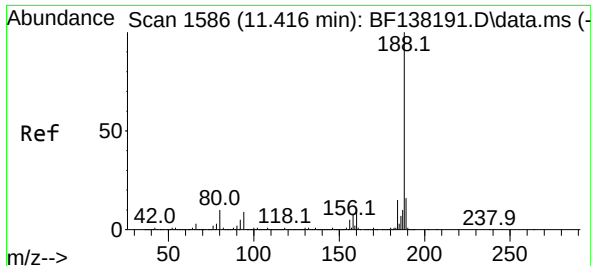
Tgt Ion:172 Resp: 1013593
Ion Ratio Lower Upper
172 100
171 35.3 30.3 45.5
170 23.1 20.6 30.8



#54
2,4-Dinitrophenol
Concen: 4.545 ng
RT: 9.992 min Scan# 1344
Delta R.T. 0.011 min
Lab File: BF138319.D
Acq: 24 Jun 2024 19:42

Tgt Ion:184 Resp: 434
Ion Ratio Lower Upper
184 100
63 582.6 49.2 73.8#
154 654.7 46.7 70.1#

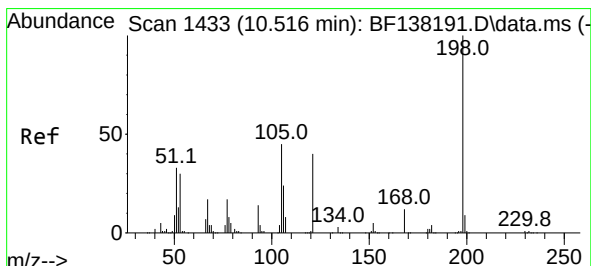
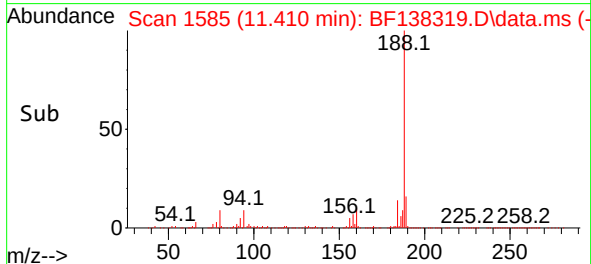
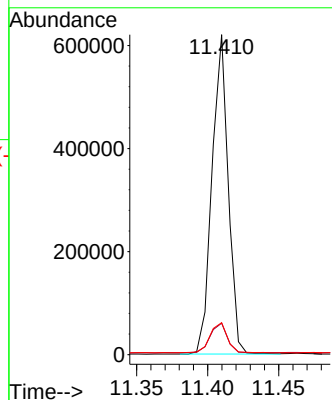
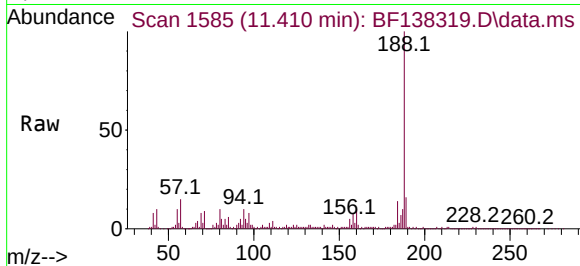




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138319.D
Acq: 24 Jun 2024 19:42

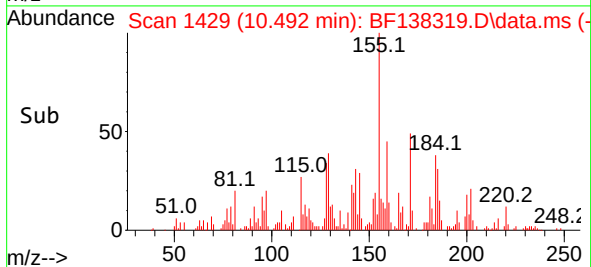
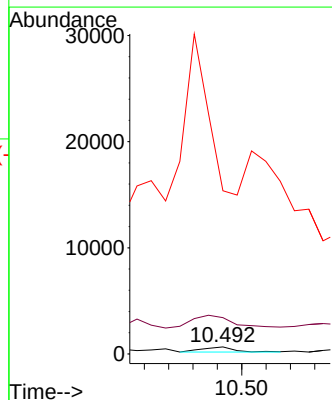
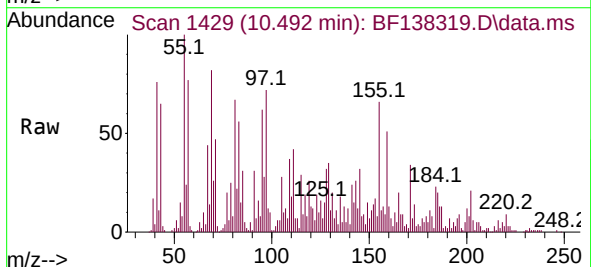
Instrument :
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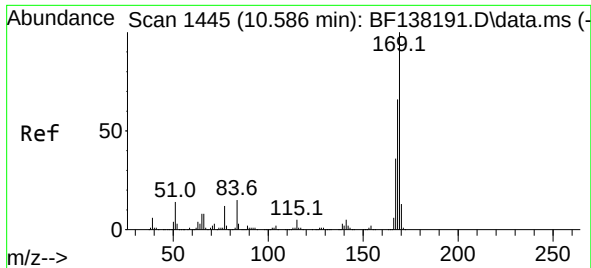
Tgt Ion:188 Resp: 492480
Ion Ratio Lower Upper
188 100
94 9.8 7.6 11.4
80 10.0 8.1 12.1



#65
4,6-Dinitro-2-methylphenol
Concen: 7.090 ng
RT: 10.492 min Scan# 1429
Delta R.T. -0.024 min
Lab File: BF138319.D
Acq: 24 Jun 2024 19:42

Tgt Ion:198 Resp: 458
Ion Ratio Lower Upper
198 100
51 516.5 26.9 66.9#
105 2322.8 26.0 66.0#

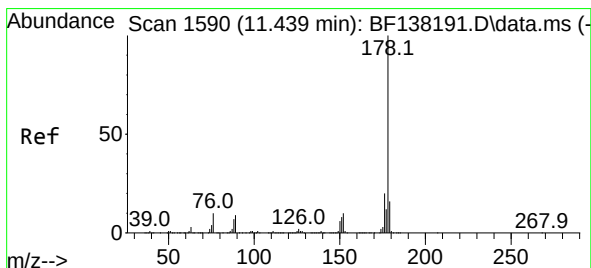
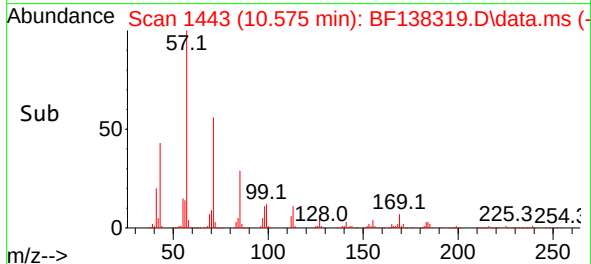
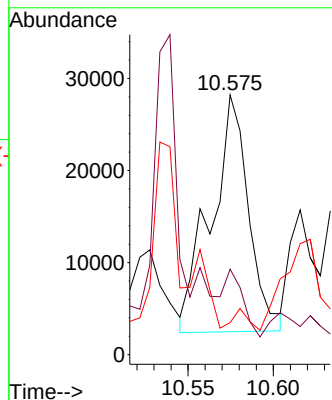
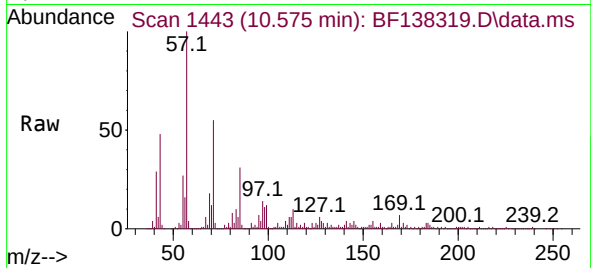




#66
n-Nitrosodiphenylamine
Concen: 2.616 ng
RT: 10.575 min Scan# 1443
Delta R.T. -0.012 min
Lab File: BF138319.D
Acq: 24 Jun 2024 19:42

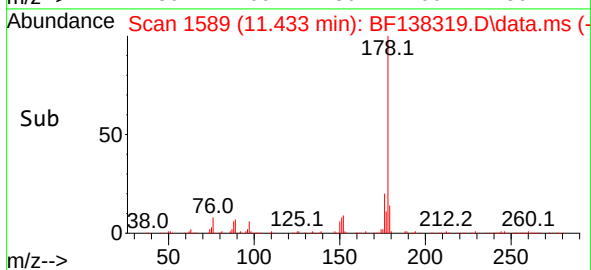
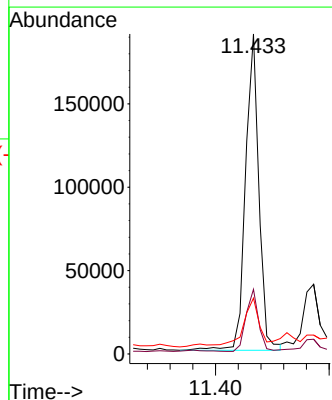
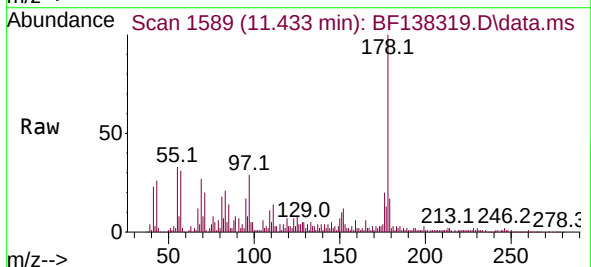
Instrument :
BNA_F
ClientSampleId :
TR-06-062024

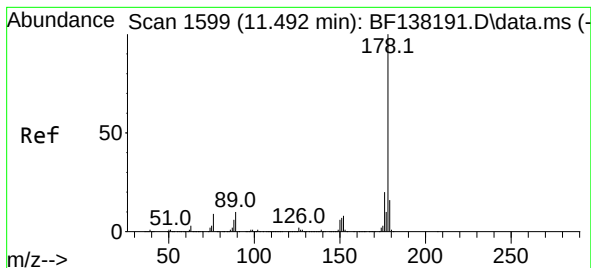
Tgt Ion:169 Resp: 39448
Ion Ratio Lower Upper
169 100
168 32.9 52.9 79.3#
167 12.3 29.0 43.6#



#71
Phenanthrene
Concen: 6.348 ng
RT: 11.433 min Scan# 1589
Delta R.T. -0.006 min
Lab File: BF138319.D
Acq: 24 Jun 2024 19:42

Tgt Ion:178 Resp: 154609
Ion Ratio Lower Upper
178 100
176 20.2 16.4 24.6
179 17.5 13.1 19.7





#72

Anthracene

Concen: 6.394 ng

RT: 11.433 min Scan# 1589

Delta R.T. -0.059 min

Lab File: BF138319.D

Acq: 24 Jun 2024 19:42

Instrument :

BNA_F

ClientSampleId :

TR-06-062024

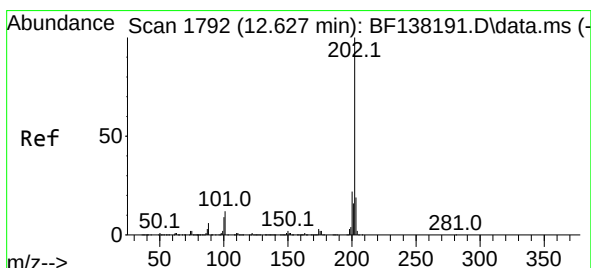
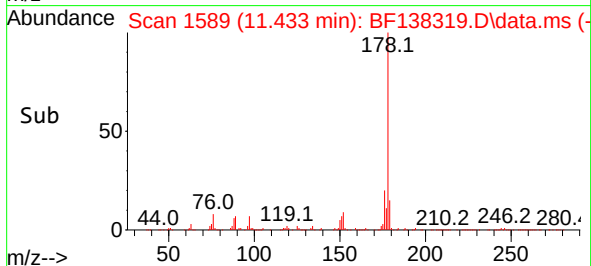
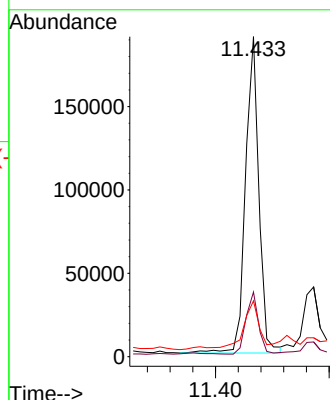
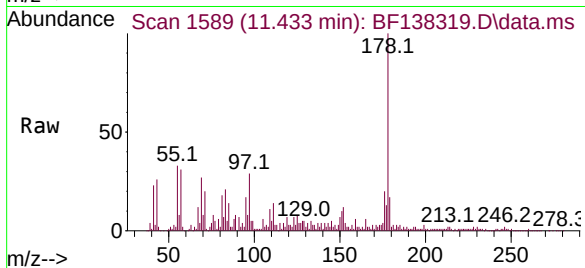
Tgt Ion:178 Resp: 154609

Ion Ratio Lower Upper

178 100

176 20.2 15.7 23.5

179 17.5 13.0 19.6



#75

Fluoranthene

Concen: 14.654 ng

RT: 12.627 min Scan# 1792

Delta R.T. -0.000 min

Lab File: BF138319.D

Acq: 24 Jun 2024 19:42

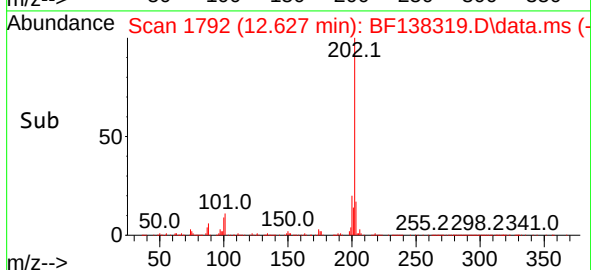
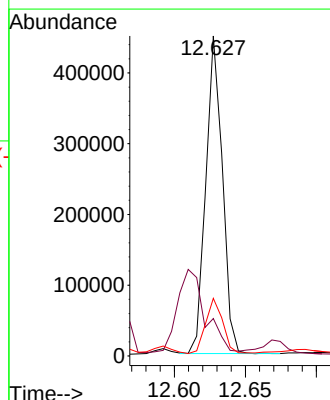
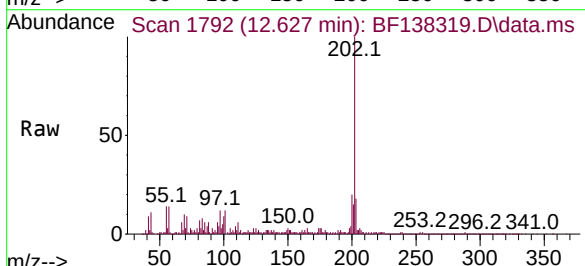
Tgt Ion:202 Resp: 363922

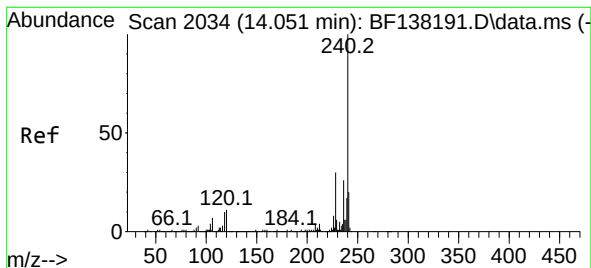
Ion Ratio Lower Upper

202 100

101 11.7 0.0 31.8

203 18.0 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: BF138319.D

Acq: 24 Jun 2024 19:42

Instrument :

BNA_F

ClientSampleId :

TR-06-062024

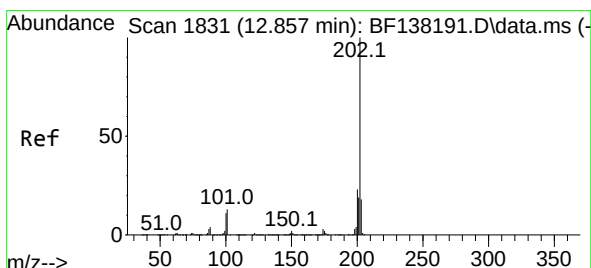
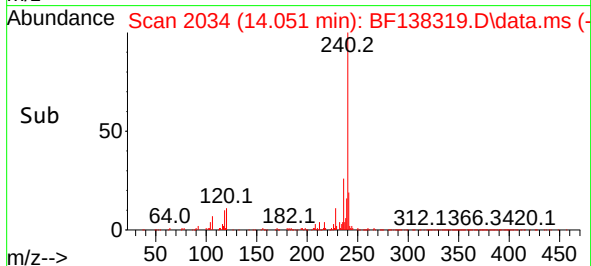
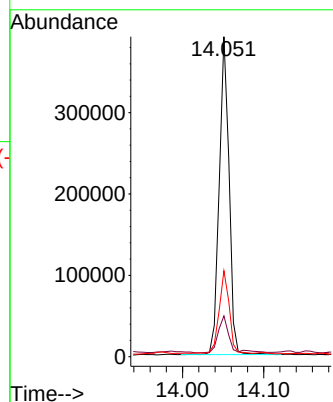
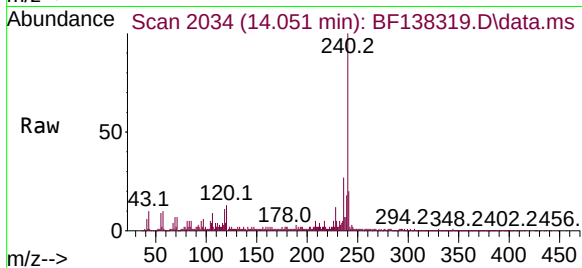
Tgt Ion:240 Resp: 328522

Ion Ratio Lower Upper

240 100

120 12.7 9.2 13.8

236 26.9 21.0 31.6



#78

Pyrene

Concen: 13.942 ng

RT: 12.863 min Scan# 1832

Delta R.T. 0.006 min

Lab File: BF138319.D

Acq: 24 Jun 2024 19:42

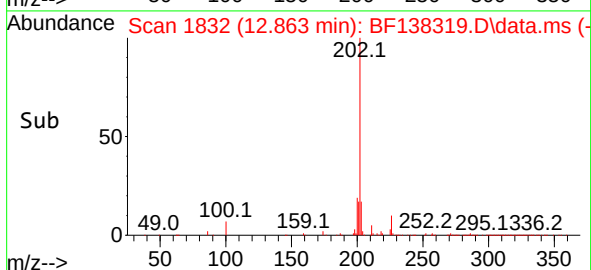
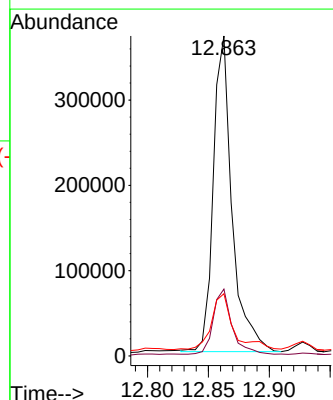
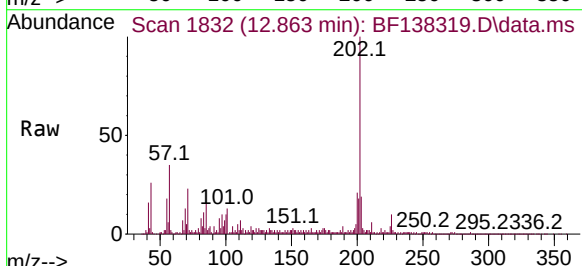
Tgt Ion:202 Resp: 395063

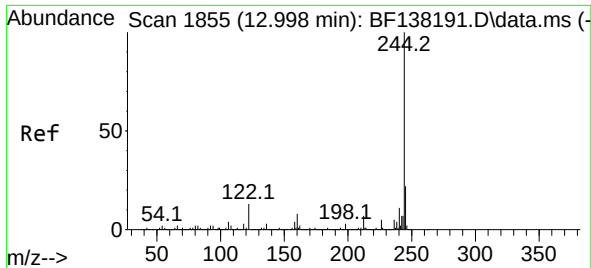
Ion Ratio Lower Upper

202 100

200 20.9 18.0 27.0

203 19.4 14.7 22.1

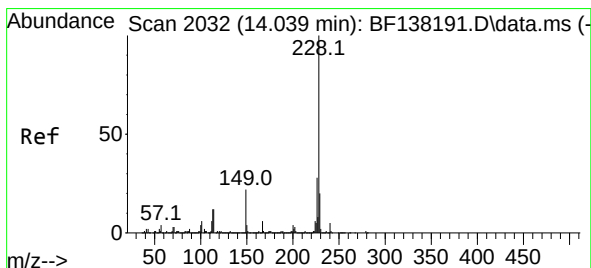
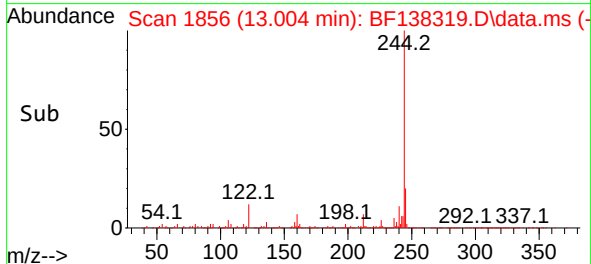
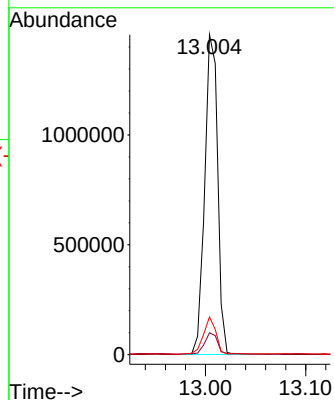
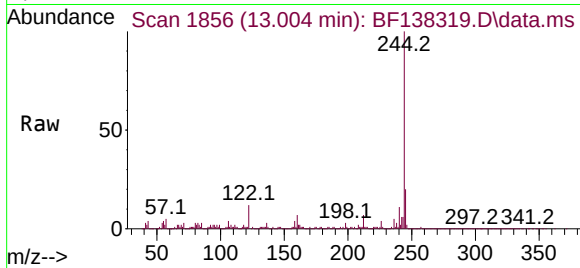




#79
Terphenyl-d14
Concen: 63.351 ng
RT: 13.004 min Scan# 1856
Delta R.T. 0.006 min
Lab File: BF138319.D
Acq: 24 Jun 2024 19:42

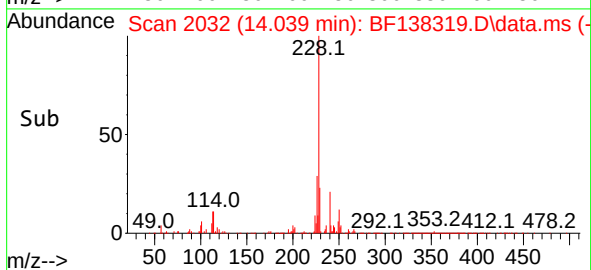
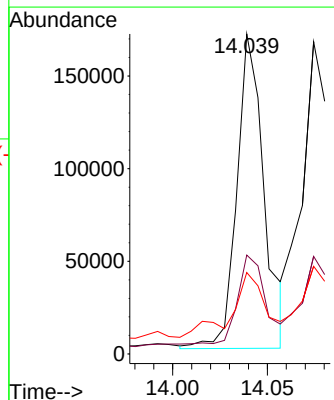
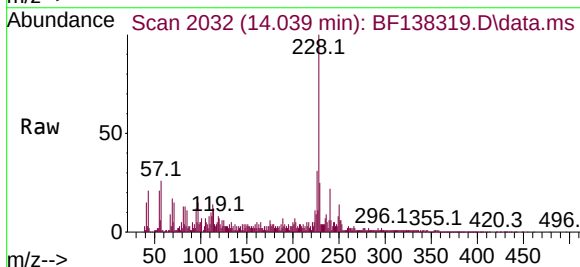
Instrument :
BNA_F
ClientSampleId :
TR-06-062024

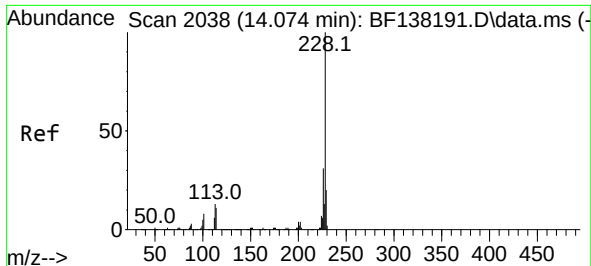
Tgt Ion:244 Resp: 1314036
Ion Ratio Lower Upper
244 100
212 6.9 5.9 8.9
122 11.8 10.6 15.8



#81
Benzo(a)anthracene
Concen: 8.028 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.000 min
Lab File: BF138319.D
Acq: 24 Jun 2024 19:42

Tgt Ion:228 Resp: 169208
Ion Ratio Lower Upper
228 100
226 30.9 22.5 33.7
229 25.5 16.3 24.5#





#83

Chrysene

Concen: 8.557 ng

RT: 14.074 min Scan# 2038

Delta R.T. -0.000 min

Lab File: BF138319.D

Acq: 24 Jun 2024 19:42

Instrument :

BNA_F

ClientSampleId :

TR-06-062024

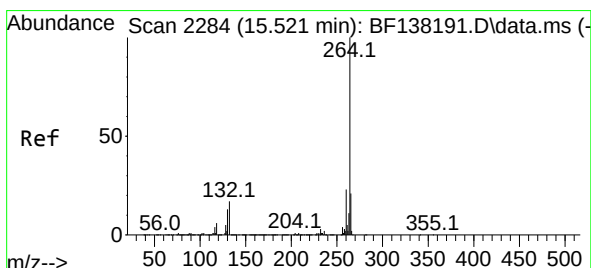
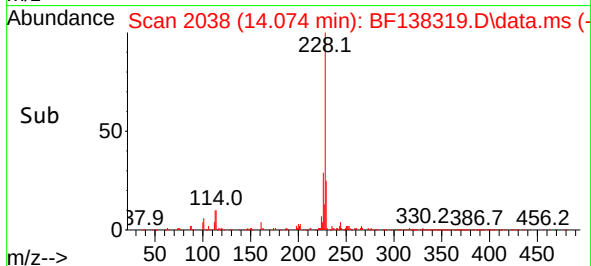
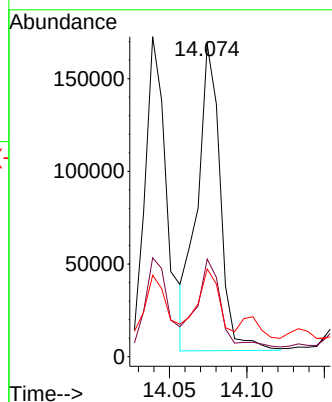
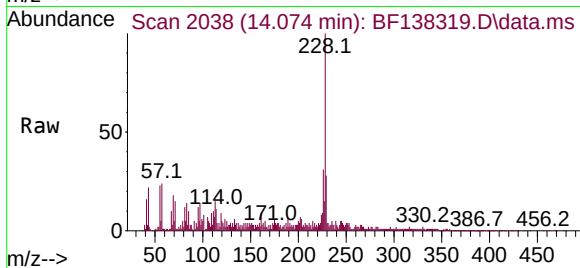
Tgt Ion:228 Resp: 171915

Ion Ratio Lower Upper

228 100

226 31.3 24.5 36.7

229 28.1 16.3 24.5#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.527 min Scan# 2285

Delta R.T. 0.006 min

Lab File: BF138319.D

Acq: 24 Jun 2024 19:42

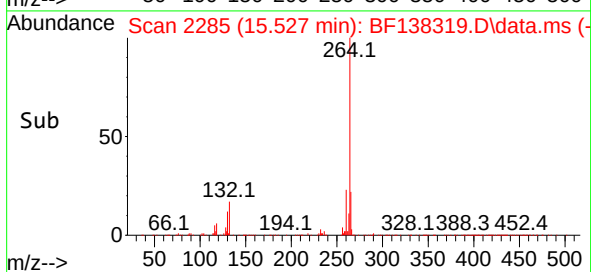
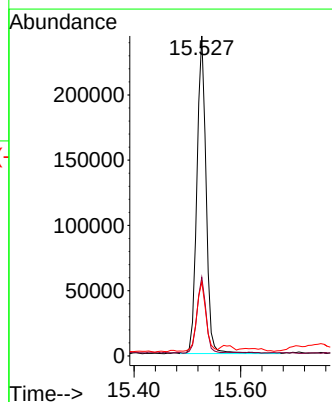
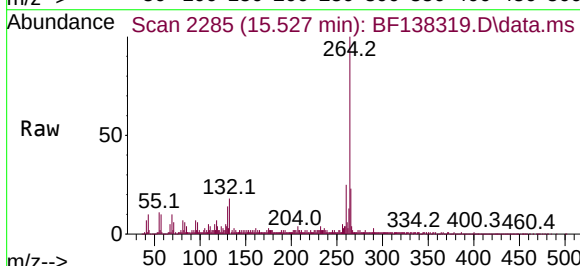
Tgt Ion:264 Resp: 291046

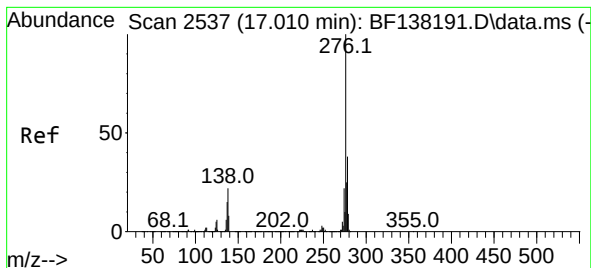
Ion Ratio Lower Upper

264 100

260 24.6 18.7 28.1

265 23.2 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.017 ng

RT: 17.009 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF138319.D

Acq: 24 Jun 2024 19:42

Instrument :

BNA_F

ClientSampleId :

TR-06-062024

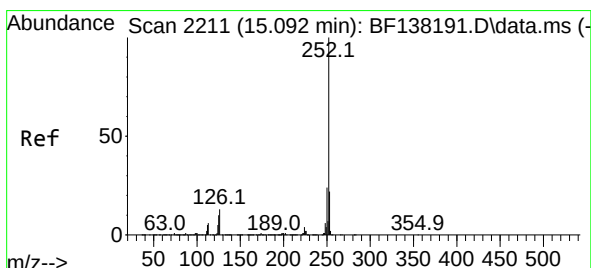
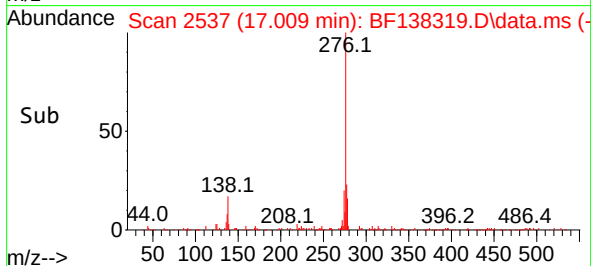
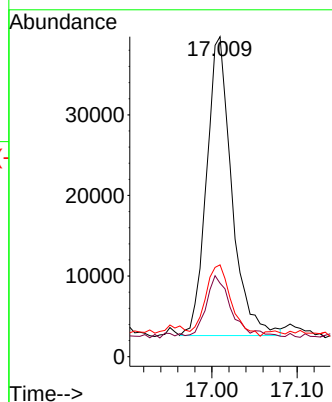
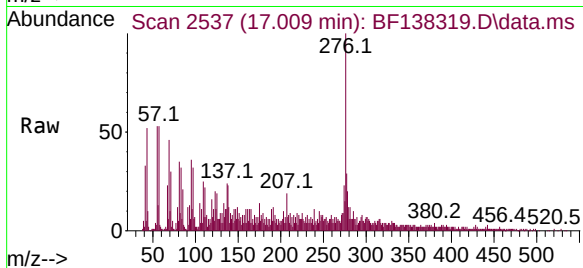
Tgt Ion:276 Resp: 76215

Ion Ratio Lower Upper

276 100

138 20.4 19.3 28.9

277 23.9 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 13.518 ng

RT: 15.092 min Scan# 2211

Delta R.T. -0.000 min

Lab File: BF138319.D

Acq: 24 Jun 2024 19:42

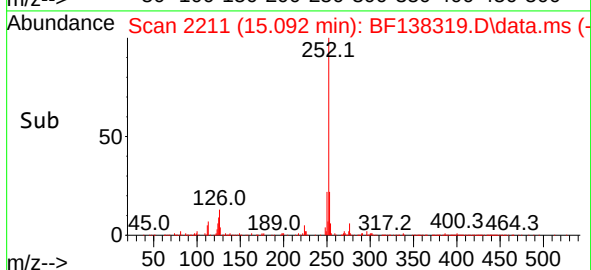
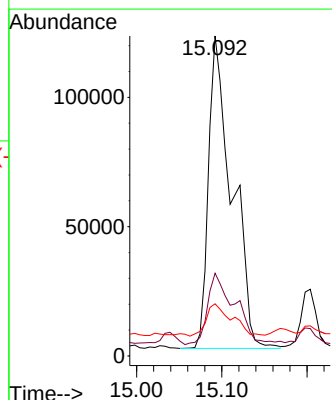
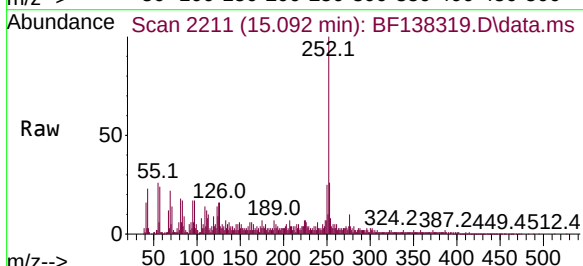
Tgt Ion:252 Resp: 232007

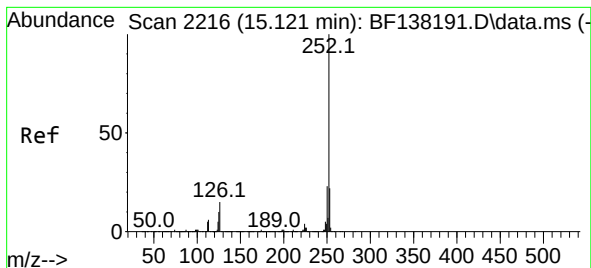
Ion Ratio Lower Upper

252 100

253 25.8 17.7 26.5

125 16.3 7.8 11.8#





#89

Benzo(k)fluoranthene

Concen: 13.793 ng

RT: 15.092 min Scan# 2211

Delta R.T. -0.029 min

Lab File: BF138319.D

Acq: 24 Jun 2024 19:42

Instrument :

BNA_F

ClientSampleId :

TR-06-062024

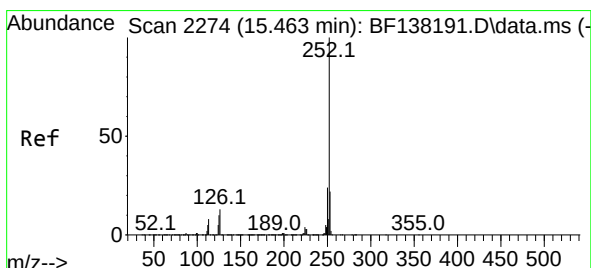
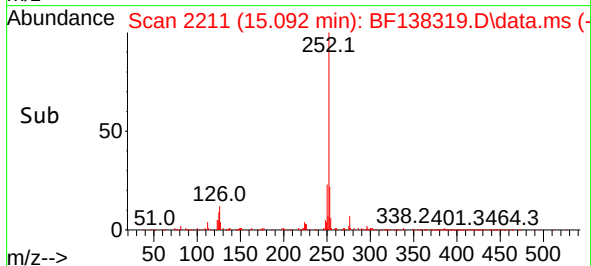
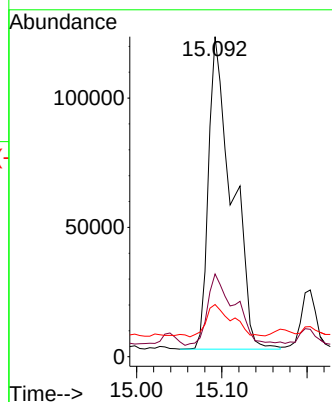
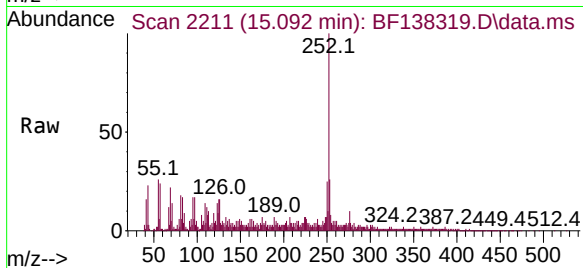
Tgt Ion:252 Resp: 232007

Ion Ratio Lower Upper

252 100

253 25.8 17.8 26.8

125 16.3 8.0 12.0#



#90

Benzo(a)pyrene

Concen: 8.101 ng

RT: 15.463 min Scan# 2274

Delta R.T. -0.000 min

Lab File: BF138319.D

Acq: 24 Jun 2024 19:42

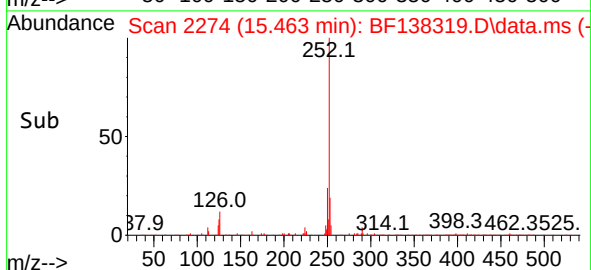
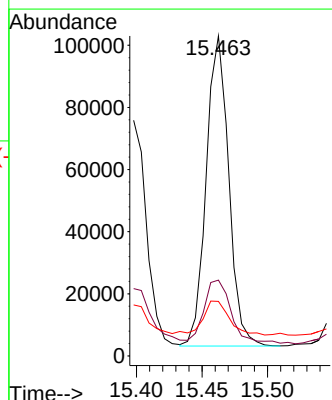
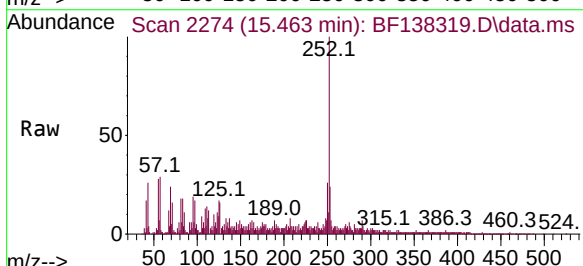
Tgt Ion:252 Resp: 119448

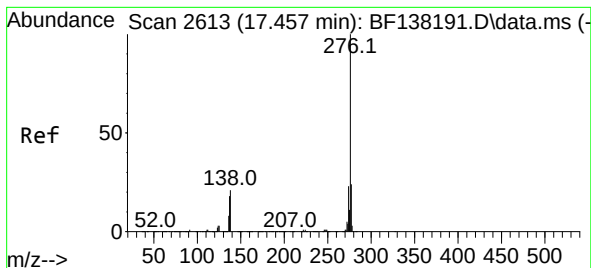
Ion Ratio Lower Upper

252 100

253 23.7 17.7 26.5

125 17.1 8.2 12.2#





#92

Benzo(g,h,i)perylene

Concen: 4.740 ng

RT: 17.457 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF138319.D

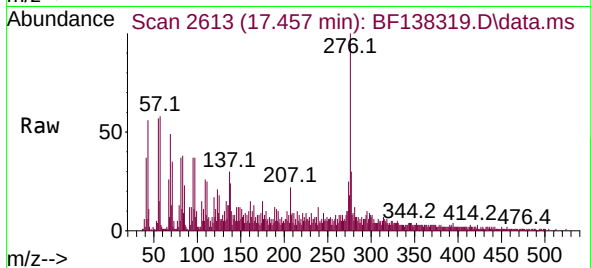
Acq: 24 Jun 2024 19:42

Instrument :

BNA_F

ClientSampleId :

TR-06-062024



Tgt Ion:276 Resp: 76370

Ion Ratio Lower Upper

276 100

277 29.6 19.5 29.3#

138 23.9 16.6 24.8

