

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061824\
 Data File : BF138236.D
 Acq On : 18 Jun 2024 20:59
 Operator : CG\JU
 Sample : P2880-01 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-06132024

Quant Time: Jun 19 01:25:06 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)

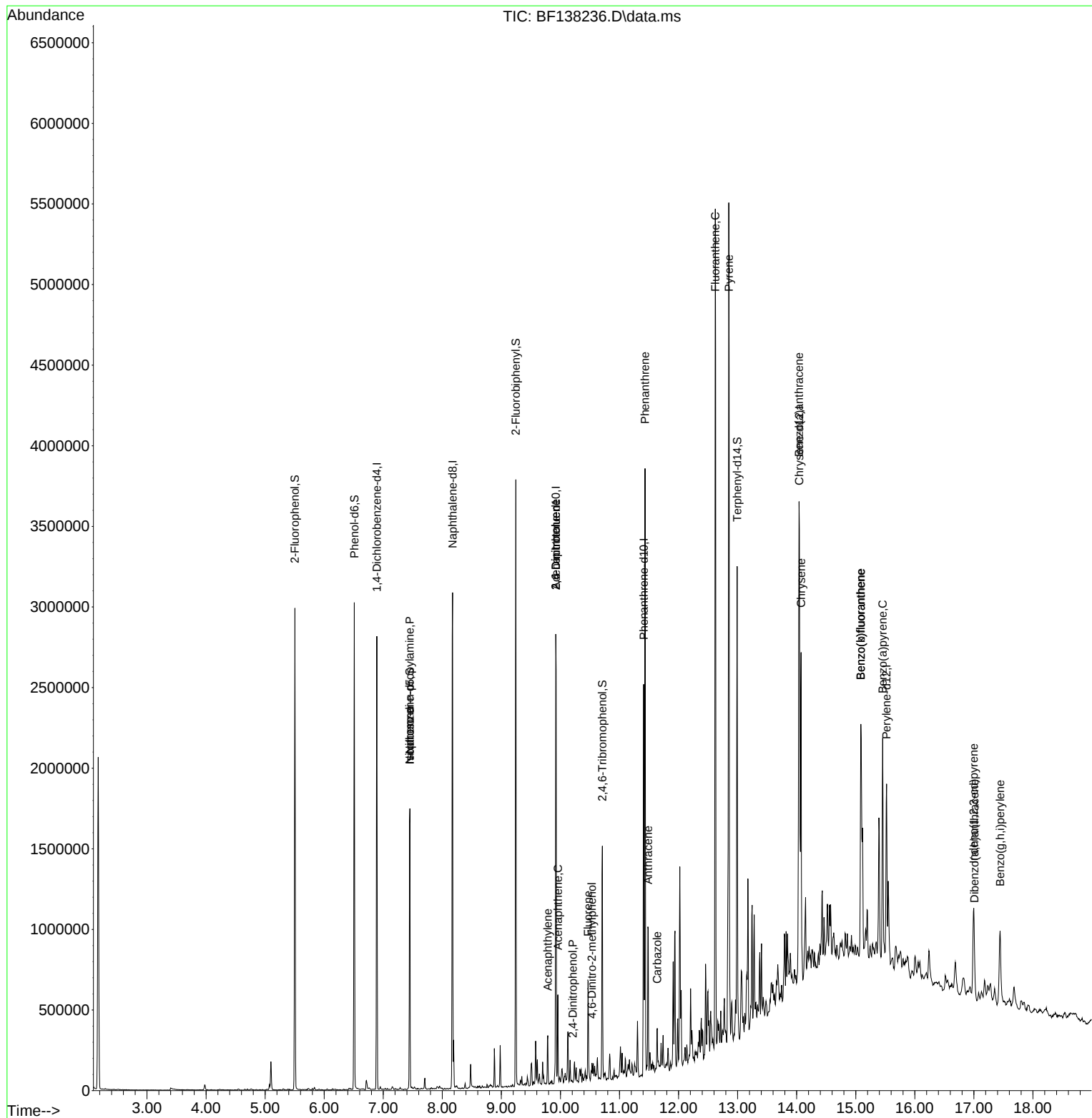
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	371641	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	1319905	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	590531	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	833785	20.000	ng	0.00
76) Chrysene-d12	14.045	240	626624	20.000	ng	0.00
86) Perylene-d12	15.521	264	517849	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	774755	34.873	ng	0.00
7) Phenol-d6	6.510	99	911839	32.368	ng	-0.01
23) Nitrobenzene-d5	7.451	82	530270	23.388	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	163708	27.847	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1023404	27.558	ng	0.00
79) Terphenyl-d14	12.992	244	919827	23.249	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.451	70	69771	4.178	ng	# 76
25) Isophorone	7.451	82	527279	12.857	ng	# 62
49) Acenaphthylene	9.786	152	101900	2.122	ng	99
51) 2,6-Dinitrotoluene	9.922	165	81069	10.328	ng	# 25
52) Acenaphthene	9.957	154	97365	2.973	ng	98
54) 2,4-Dinitrophenol	10.210	184	197	4.272	ng	# 33
57) 2,4-Dinitrotoluene	9.922	165	81069	8.374	ng	# 31
58) Fluorene	10.469	166	155783	4.328	ng	100
65) 4,6-Dinitro-2-methylph...	10.533	198	64	6.947	ng	# 1
71) Phenanthrene	11.433	178	1244587	30.184	ng	98
72) Anthracene	11.486	178	358597	8.759	ng	97
73) Carbazole	11.639	167	101006	2.690	ng	98
75) Fluoranthene	12.621	202	2068014	49.184	ng	98
78) Pyrene	12.851	202	2142810	39.645	ng	99
81) Benzo(a)anthracene	14.039	228	894710	22.256	ng	97
83) Chrysene	14.074	228	811277	21.172	ng	98
87) Indeno(1,2,3-cd)pyrene	16.998	276	399624	11.838	ng	95
88) Benzo(b)fluoranthene	15.086	252	1166308	38.192	ng	# 96
89) Benzo(k)fluoranthene	15.086	252	1166308	38.970	ng	# 97
90) Benzo(a)pyrene	15.457	252	639188	24.364	ng	97
91) Dibenzo(a,h)anthracene	17.009	278	93872	3.388	ng	94
92) Benzo(g,h,i)perylene	17.445	276	398020	13.885	ng	98

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

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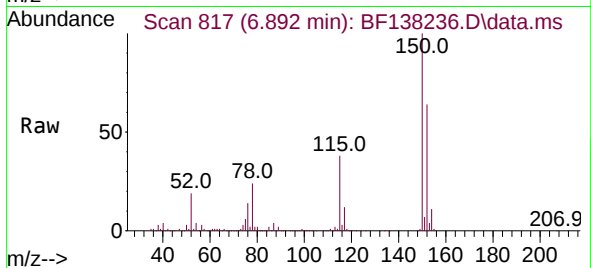
Quant Time: Jun 19 01:25:06 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 13 01:52:47 2024
Response via : Initial Calibration



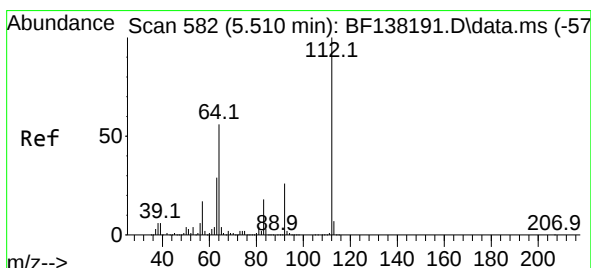
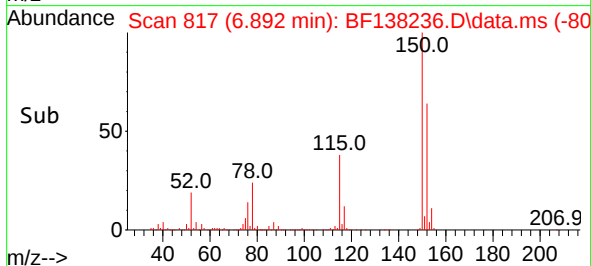
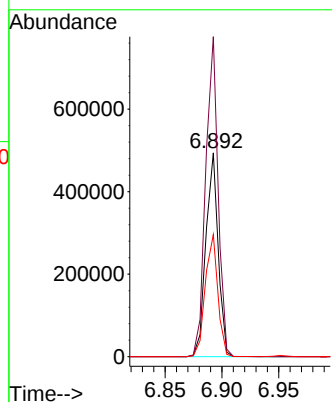


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 817
Delta R.T. -0.001 min
Lab File: BF138236.D
Acq: 18 Jun 2024 20:59

Instrument :
BNA_F
ClientSampleId :
OR-03-06132024

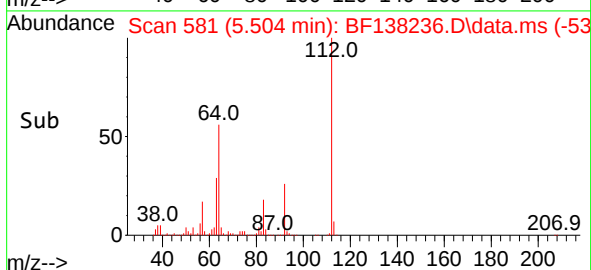
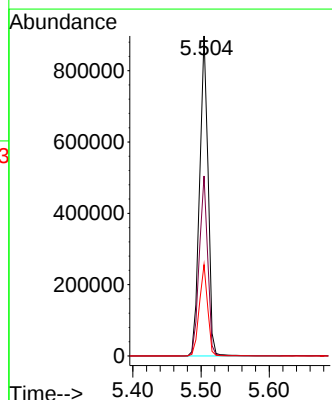
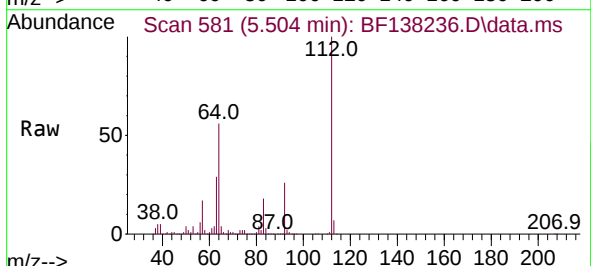


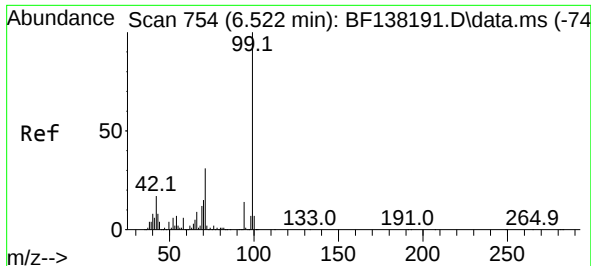
Tgt Ion:152 Resp: 371641
Ion Ratio Lower Upper
152 100
150 157.0 125.0 187.4
115 59.9 48.4 72.6



#5
2-Fluorophenol
Concen: 34.873 ng
RT: 5.504 min Scan# 581
Delta R.T. -0.006 min
Lab File: BF138236.D
Acq: 18 Jun 2024 20:59

Tgt Ion:112 Resp: 774755
Ion Ratio Lower Upper
112 100
64 56.3 45.2 67.8
63 28.6 22.9 34.3

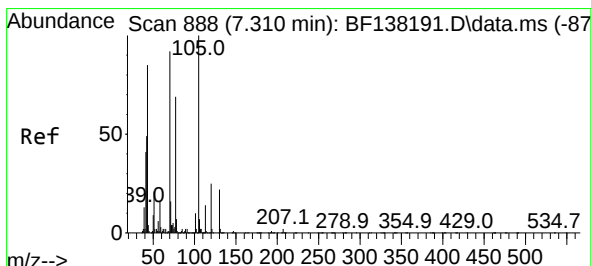
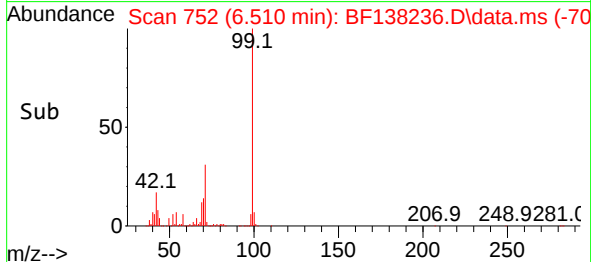
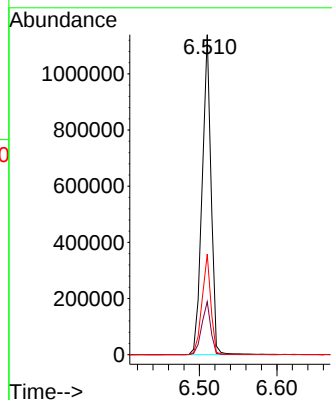
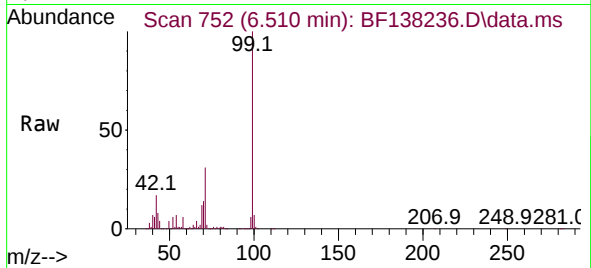




#7
Phenol-d6
Concen: 32.368 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF138236.D
Acq: 18 Jun 2024 20:59

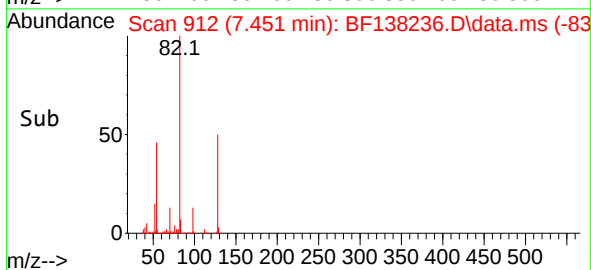
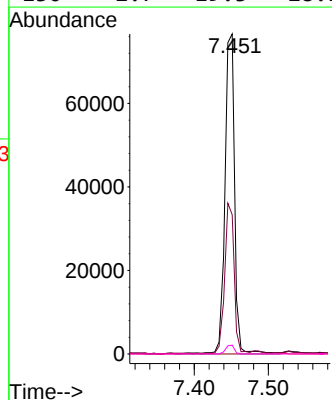
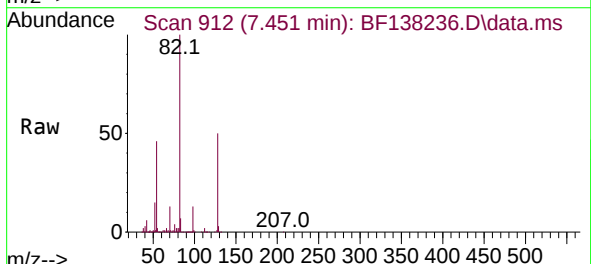
Instrument :
BNA_F
ClientSampleId :
OR-03-06132024

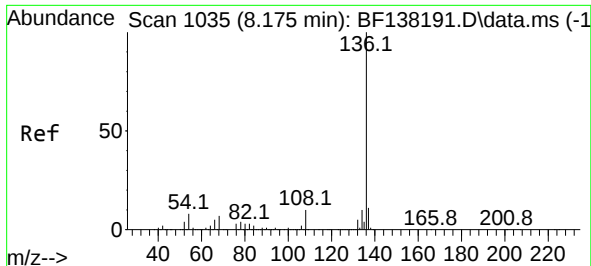
Tgt Ion: 99 Resp: 911839
Ion Ratio Lower Upper
99 100
42 16.6 13.7 20.5
71 31.4 25.0 37.6



#19
n-Nitroso-di-n-propylamine
Concen: 4.178 ng
RT: 7.451 min Scan# 912
Delta R.T. 0.141 min
Lab File: BF138236.D
Acq: 18 Jun 2024 20:59

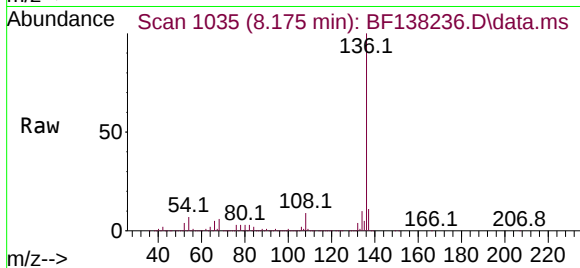
Tgt Ion: 70 Resp: 69771
Ion Ratio Lower Upper
70 100
42 43.5 42.8 64.2
101 0.0 8.4 12.6#
130 2.7 19.3 28.9#





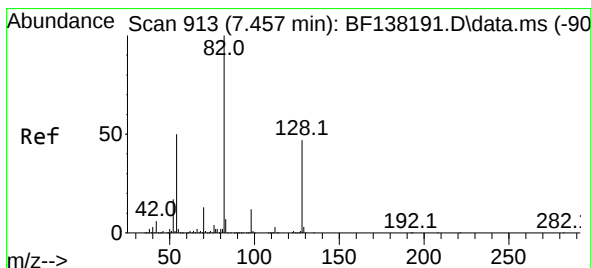
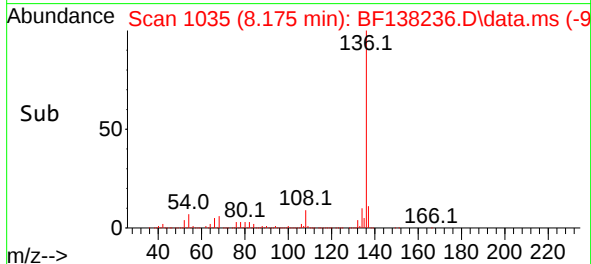
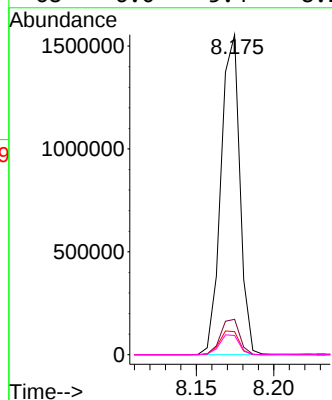
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1035
Delta R.T. -0.000 min
Lab File: BF138236.D
Acq: 18 Jun 2024 20:59

Instrument :
BNA_F
ClientSampleId :
OR-03-06132024



Tgt Ion:136 Resp: 1319905

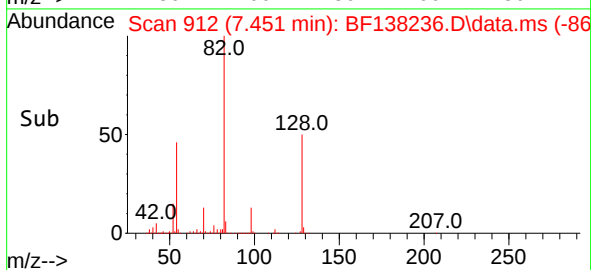
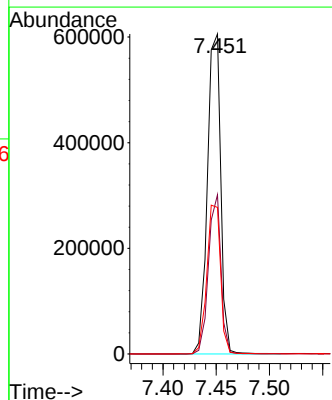
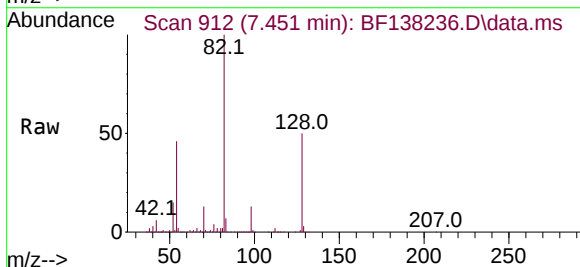
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.1	13.7
54	7.2	6.6	10.0
68	6.0	5.4	8.2



#23
Nitrobenzene-d5
Concen: 23.388 ng
RT: 7.451 min Scan# 912
Delta R.T. -0.006 min
Lab File: BF138236.D
Acq: 18 Jun 2024 20:59

Tgt Ion: 82 Resp: 530270

Ion	Ratio	Lower	Upper
82	100		
128	49.8	37.2	55.8
54	45.8	39.8	59.6

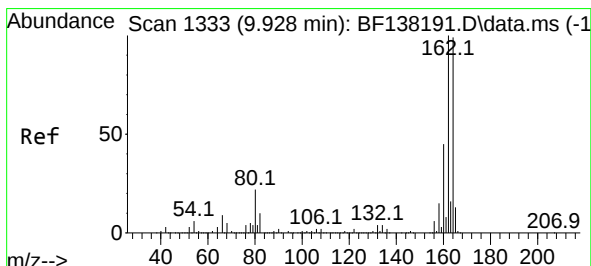
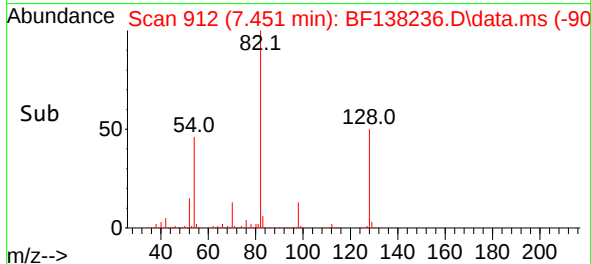
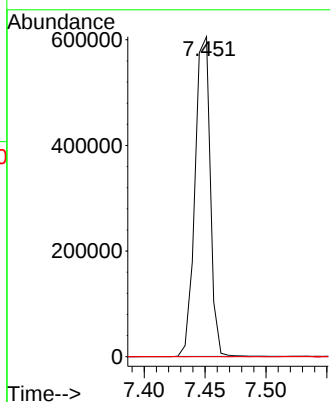
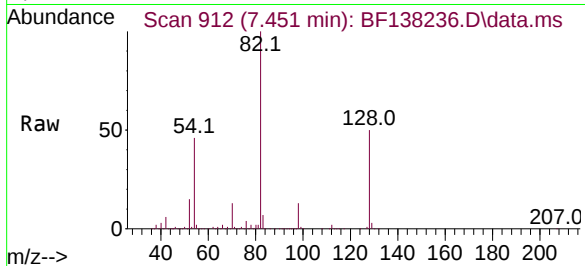




#25
Isophorone
Concen: 12.857 ng
RT: 7.451 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF138236.D
Acq: 18 Jun 2024 20:59

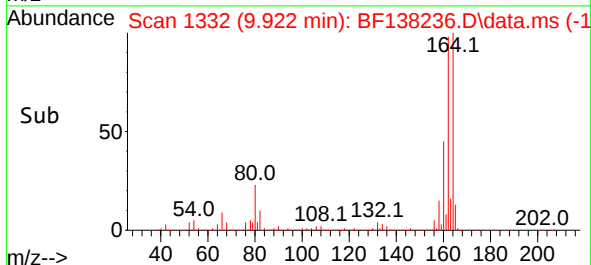
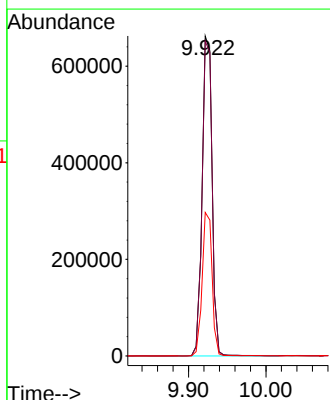
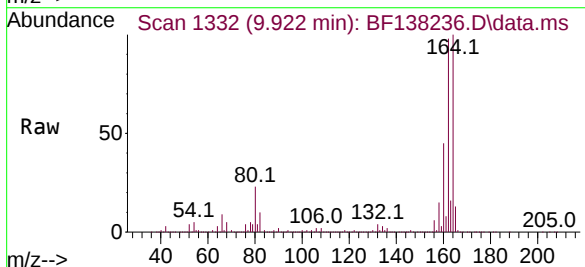
Instrument :
BNA_F
ClientSampleId :
OR-03-06132024

Tgt Ion: 82 Resp: 527279
Ion Ratio Lower Upper
82 100
95 0.1 5.6 8.4#
138 0.0 16.4 24.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1332
Delta R.T. -0.006 min
Lab File: BF138236.D
Acq: 18 Jun 2024 20:59

Tgt Ion:164 Resp: 590531
Ion Ratio Lower Upper
164 100
162 98.3 80.6 121.0
160 44.9 36.3 54.5

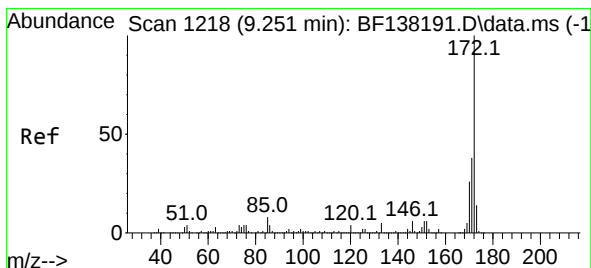
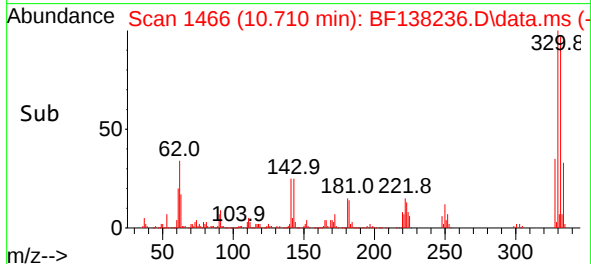
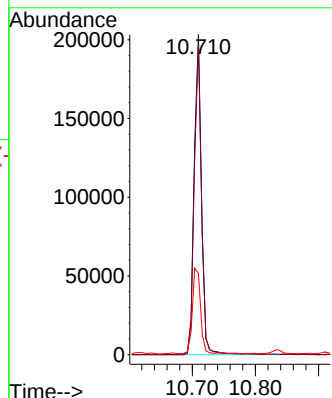
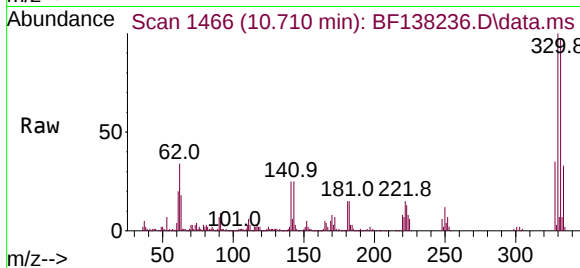




#42
2,4,6-Tribromophenol
Concen: 27.847 ng
RT: 10.710 min Scan# 1467
Delta R.T. -0.006 min
Lab File: BF138236.D
Acq: 18 Jun 2024 20:59

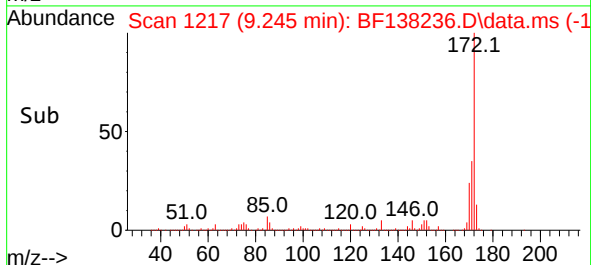
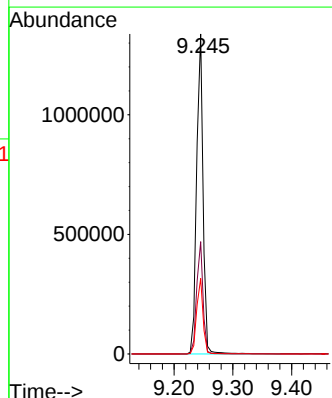
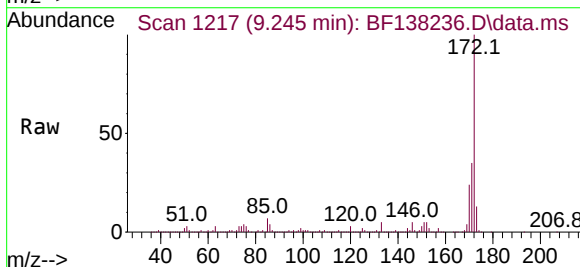
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ClientSampleId :
OR-03-06132024

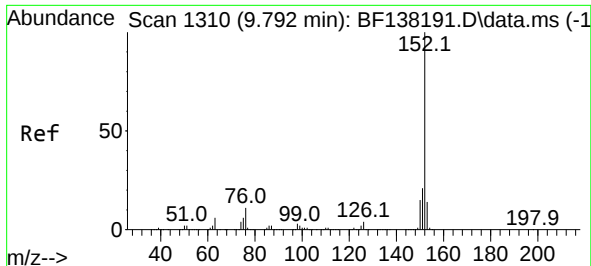
Tgt Ion:330 Resp: 163708
Ion Ratio Lower Upper
330 100
332 95.7 76.6 115.0
141 29.4 23.9 35.9



#45
2-Fluorobiphenyl
Concen: 27.558 ng
RT: 9.245 min Scan# 1217
Delta R.T. -0.006 min
Lab File: BF138236.D
Acq: 18 Jun 2024 20:59

Tgt Ion:172 Resp: 1023404
Ion Ratio Lower Upper
172 100
171 35.1 30.3 45.5
170 23.6 20.6 30.8





#49

Acenaphthylene

Concen: 2.122 ng

RT: 9.786 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF138236.D

Acq: 18 Jun 2024 20:59

Instrument :

BNA_F

ClientSampleId :

OR-03-06132024

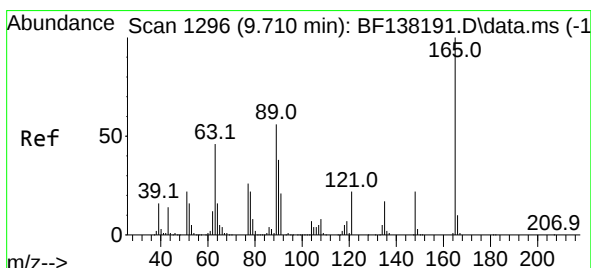
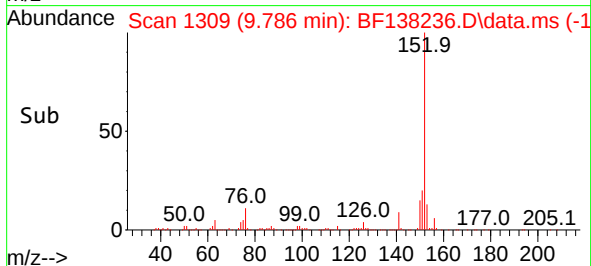
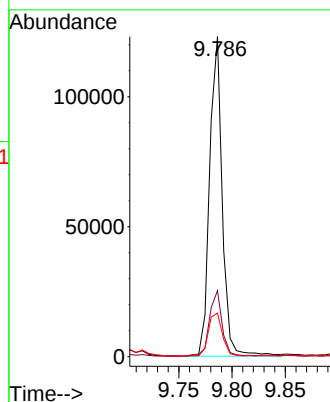
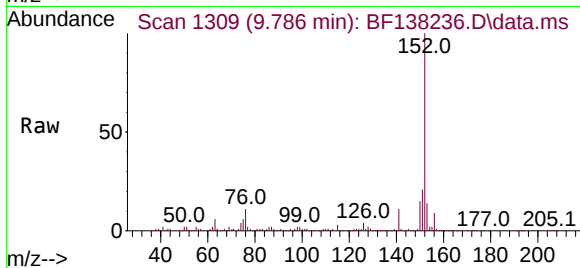
Tgt Ion:152 Resp: 101900

Ion Ratio Lower Upper

152 100

151 20.6 16.9 25.3

153 13.6 11.4 17.0



#51

2,6-Dinitrotoluene

Concen: 10.328 ng

RT: 9.922 min Scan# 1332

Delta R.T. 0.212 min

Lab File: BF138236.D

Acq: 18 Jun 2024 20:59

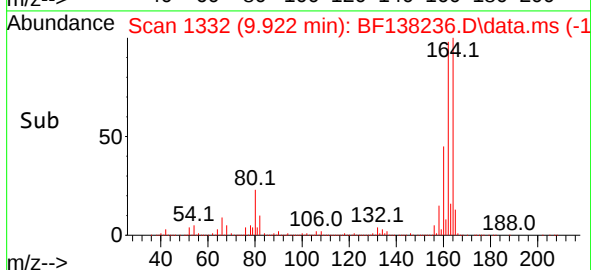
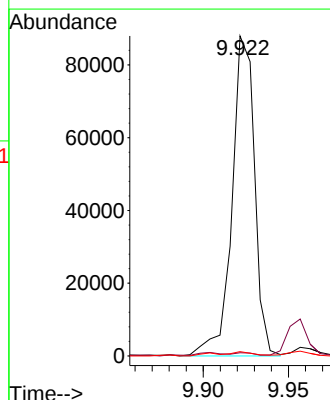
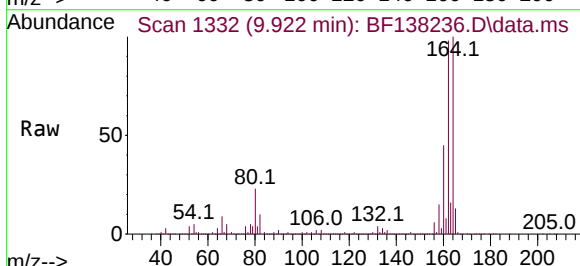
Tgt Ion:165 Resp: 81069

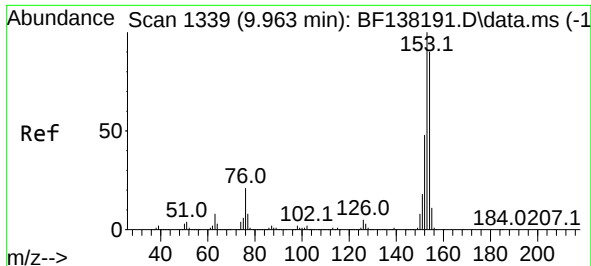
Ion Ratio Lower Upper

165 100

63 1.0 43.7 65.5#

89 1.4 44.9 67.3#

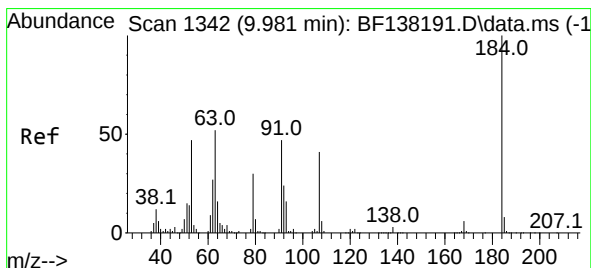
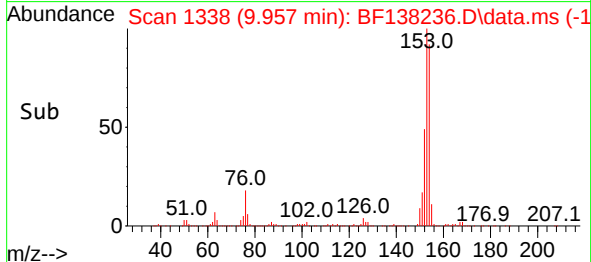
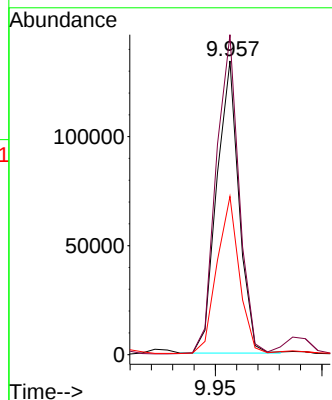
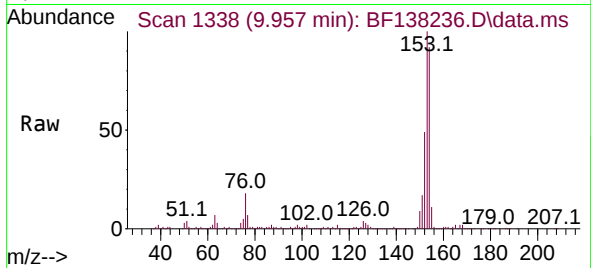




#52
Acenaphthene
Concen: 2.973 ng
RT: 9.957 min Scan# 1339
Delta R.T. -0.006 min
Lab File: BF138236.D
Acq: 18 Jun 2024 20:59

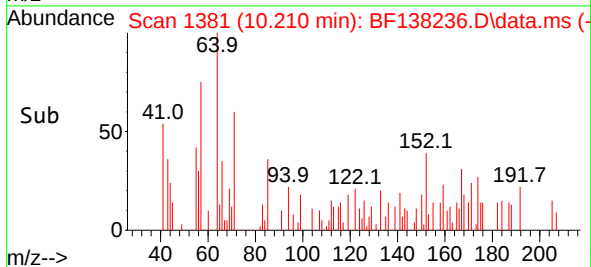
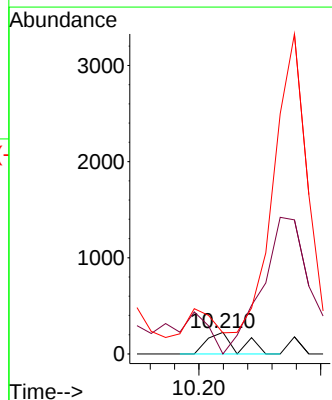
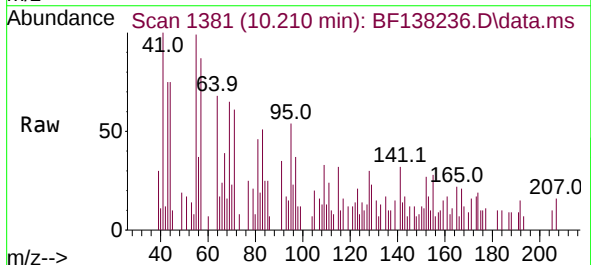
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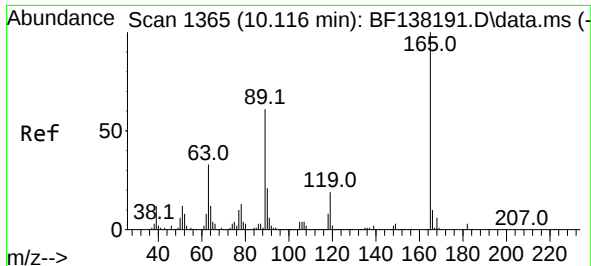
Tgt Ion:154 Resp: 97365
Ion Ratio Lower Upper
154 100
153 108.9 89.1 133.7
152 53.9 42.4 63.6



#54
2,4-Dinitrophenol
Concen: 4.272 ng
RT: 10.210 min Scan# 1381
Delta R.T. 0.229 min
Lab File: BF138236.D
Acq: 18 Jun 2024 20:59

Tgt Ion:184 Resp: 197
Ion Ratio Lower Upper
184 100
63 0.0 49.2 73.8#
154 97.8 46.7 70.1#

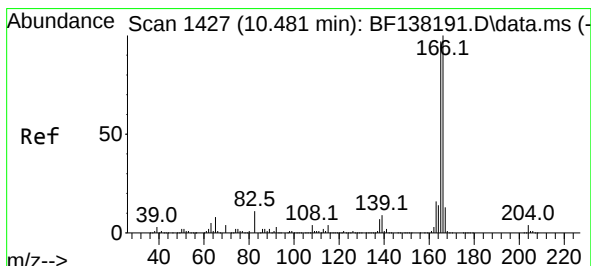
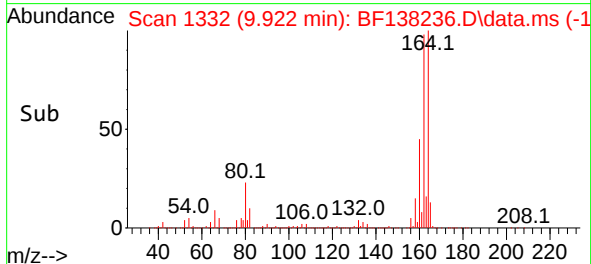
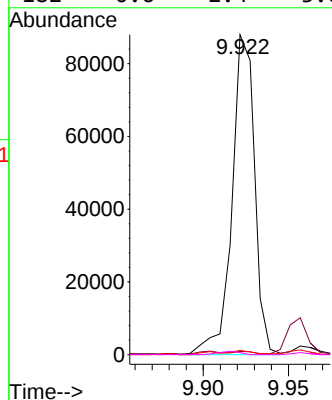
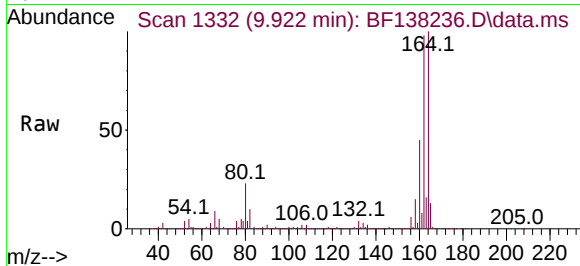




#57
2,4-Dinitrotoluene
Concen: 8.374 ng
RT: 9.922 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF138236.D
Acq: 18 Jun 2024 20:59

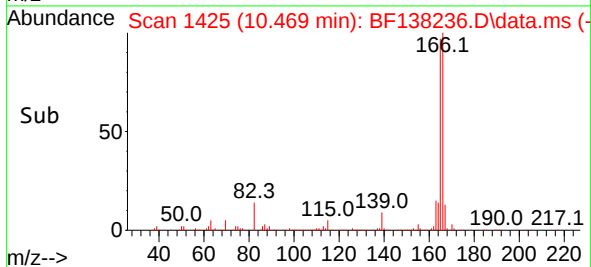
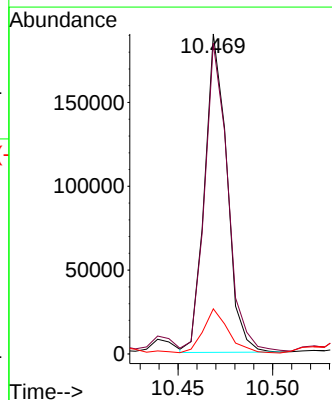
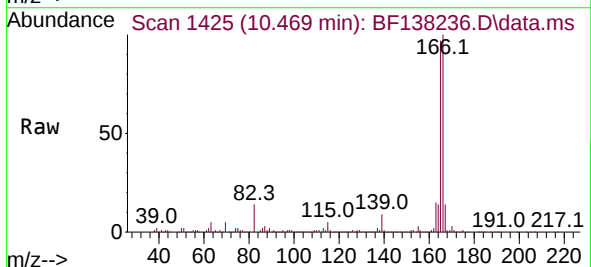
Instrument :
BNA_F
ClientSampleId :
OR-03-06132024

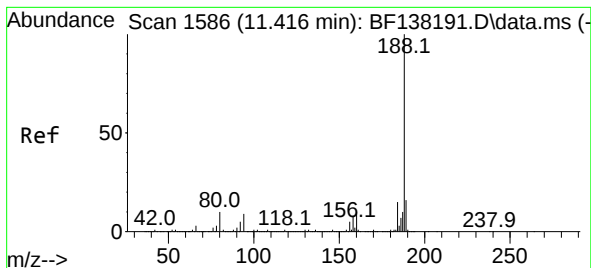
Tgt Ion:165 Resp: 81069
Ion Ratio Lower Upper
165 100
63 1.0 26.6 39.8#
89 1.4 48.7 73.1#
182 0.6 2.4 3.6#



#58
Fluorene
Concen: 4.328 ng
RT: 10.469 min Scan# 1425
Delta R.T. -0.012 min
Lab File: BF138236.D
Acq: 18 Jun 2024 20:59

Tgt Ion:166 Resp: 155783
Ion Ratio Lower Upper
166 100
165 97.1 77.9 116.9
167 14.1 10.7 16.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF138236.D

Acq: 18 Jun 2024 20:59

Instrument :

BNA_F

ClientSampleId :

OR-03-06132024

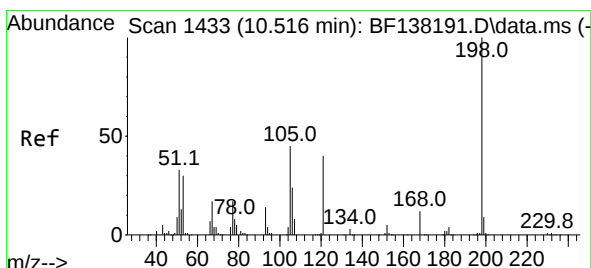
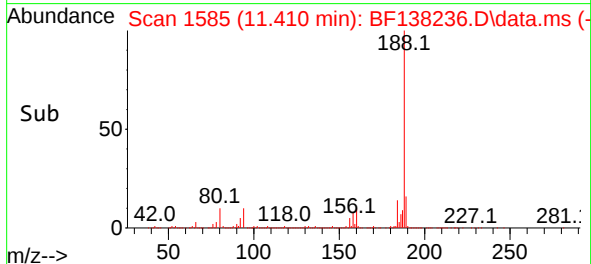
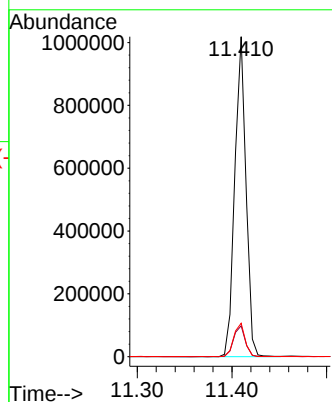
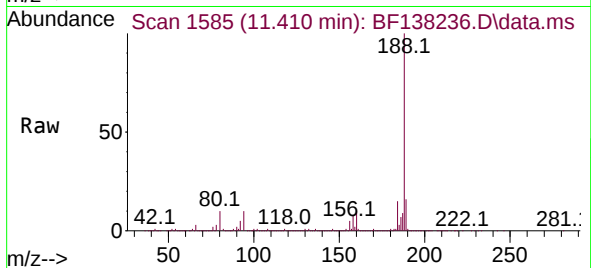
Tgt Ion:188 Resp: 833785

Ion Ratio Lower Upper

188 100

94 9.7 7.6 11.4

80 10.5 8.1 12.1



#65

4,6-Dinitro-2-methylphenol

Concen: 6.947 ng

RT: 10.533 min Scan# 1436

Delta R.T. 0.017 min

Lab File: BF138236.D

Acq: 18 Jun 2024 20:59

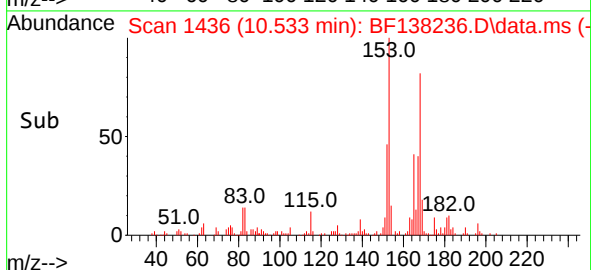
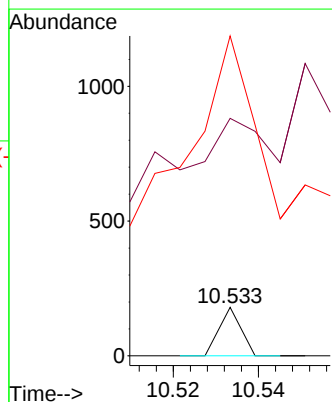
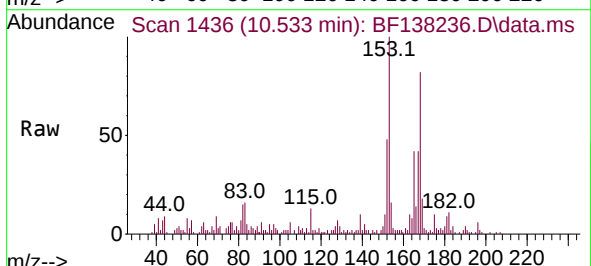
Tgt Ion:198 Resp: 64

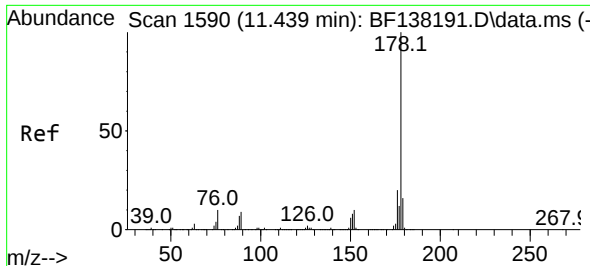
Ion Ratio Lower Upper

198 100

51 489.4 26.9 66.9#

105 659.4 26.0 66.0#

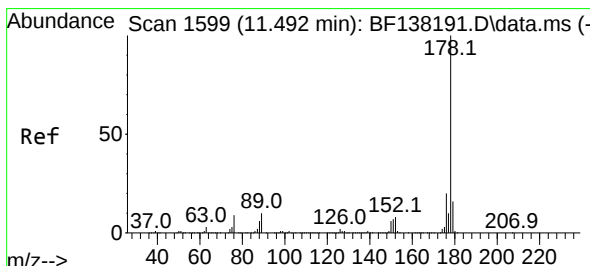
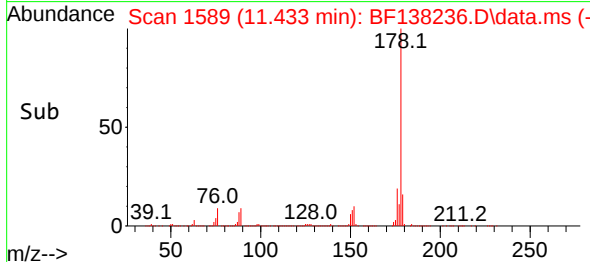
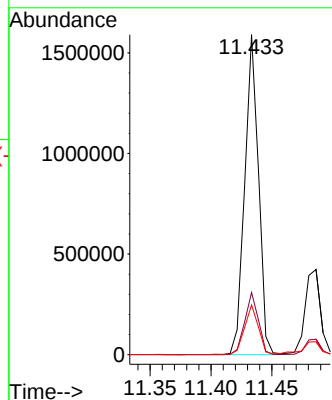
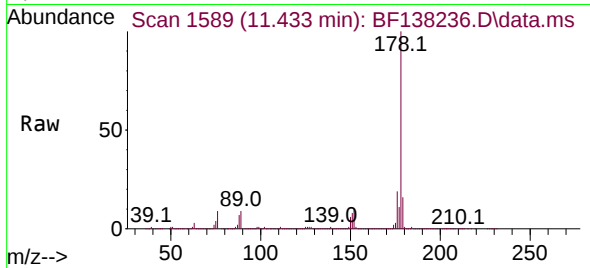




#71
Phenanthrene
Concen: 30.184 ng
RT: 11.433 min Scan# 1590
Delta R.T. -0.006 min
Lab File: BF138236.D
Acq: 18 Jun 2024 20:59

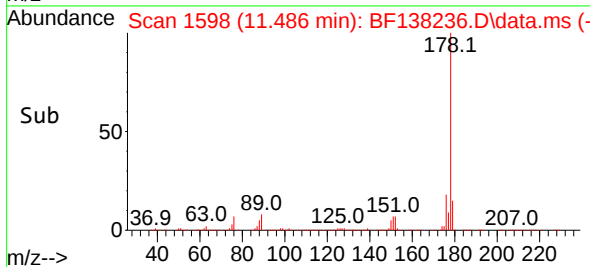
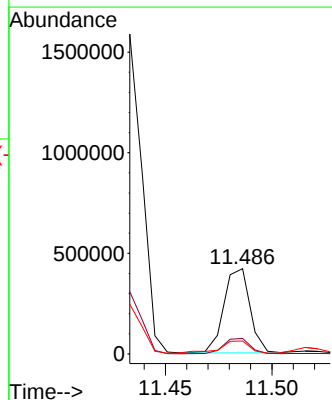
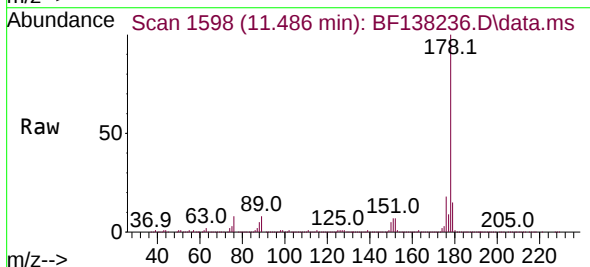
Instrument :
BNA_F
ClientSampleId :
OR-03-06132024

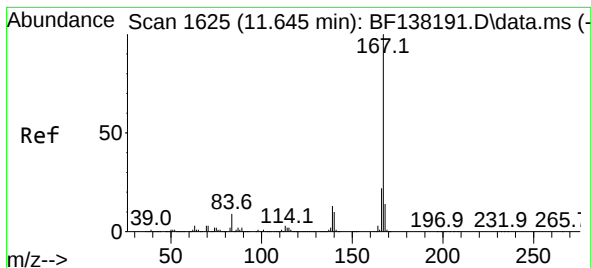
Tgt Ion:178 Resp: 1244587
Ion Ratio Lower Upper
178 100
176 19.5 16.4 24.6
179 15.6 13.1 19.7



#72
Anthracene
Concen: 8.759 ng
RT: 11.486 min Scan# 1598
Delta R.T. -0.006 min
Lab File: BF138236.D
Acq: 18 Jun 2024 20:59

Tgt Ion:178 Resp: 358597
Ion Ratio Lower Upper
178 100
176 18.2 15.7 23.5
179 15.2 13.0 19.6





#73

Carbazole

Concen: 2.690 ng

RT: 11.639 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF138236.D

Acq: 18 Jun 2024 20:59

Instrument :

BNA_F

ClientSampleId :

OR-03-06132024

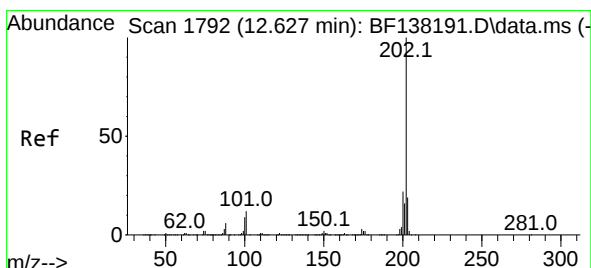
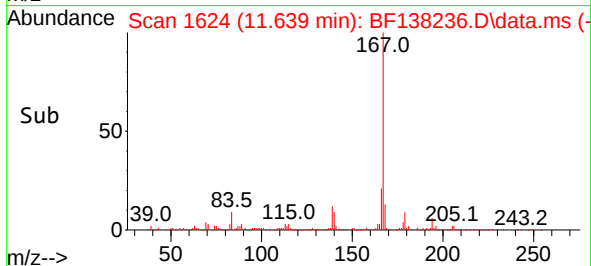
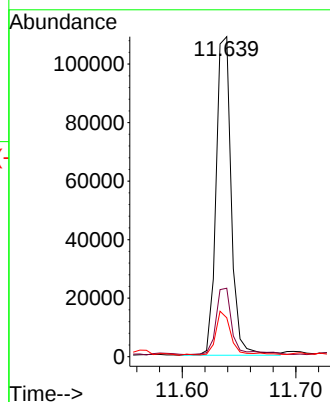
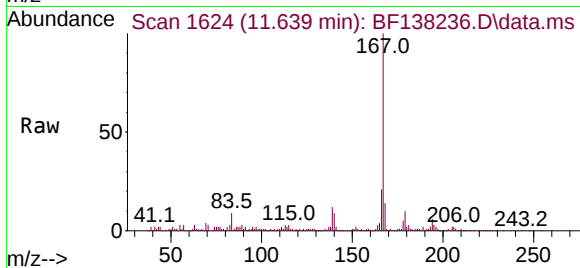
Tgt Ion:167 Resp: 101006

Ion Ratio Lower Upper

167 100

166 21.4 18.0 27.0

139 12.2 10.6 16.0



#75

Fluoranthene

Concen: 49.184 ng

RT: 12.621 min Scan# 1791

Delta R.T. -0.006 min

Lab File: BF138236.D

Acq: 18 Jun 2024 20:59

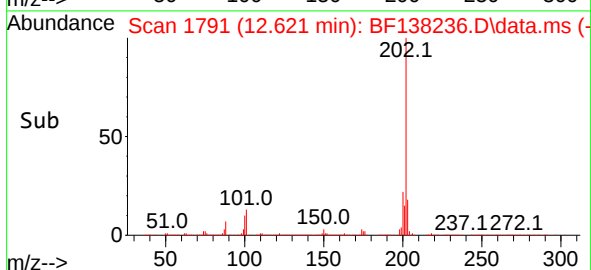
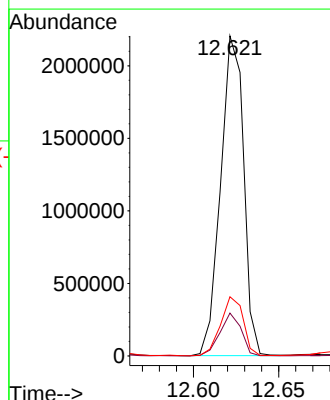
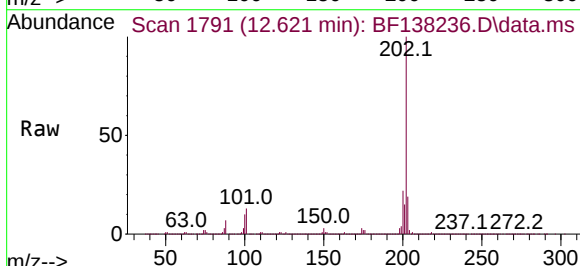
Tgt Ion:202 Resp: 2068014

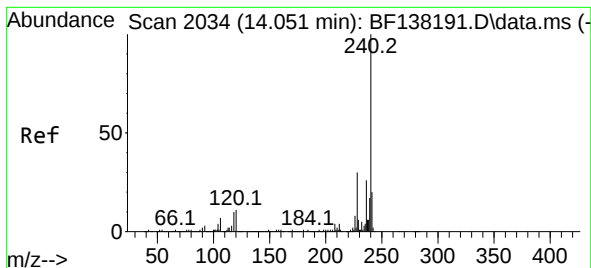
Ion Ratio Lower Upper

202 100

101 13.4 0.0 31.8

203 18.5 0.0 38.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2034

Delta R.T. -0.006 min

Lab File: BF138236.D

Acq: 18 Jun 2024 20:59

Instrument :

BNA_F

ClientSampleId :

OR-03-06132024

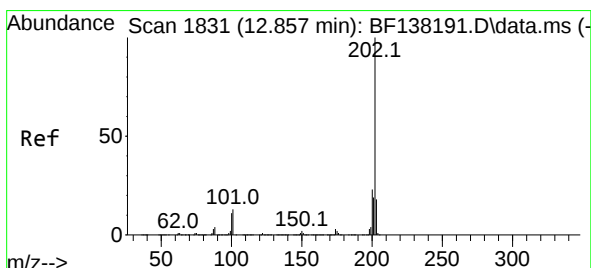
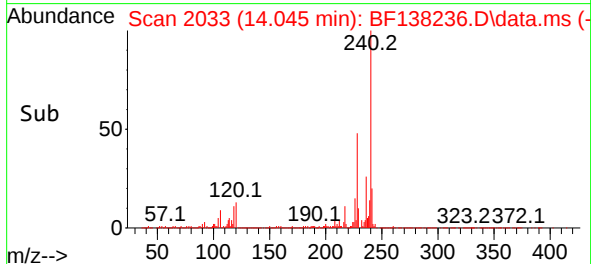
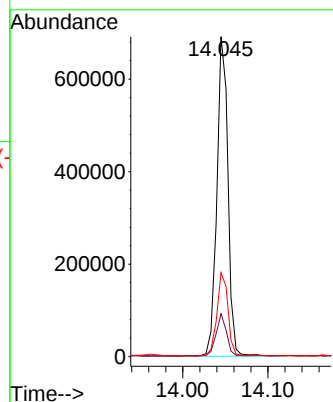
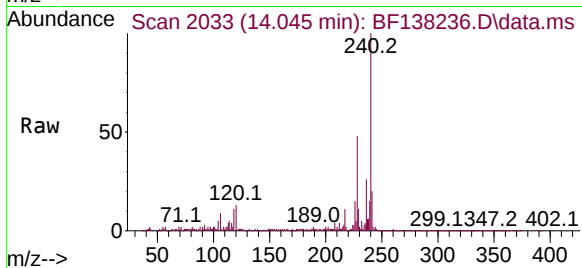
Tgt Ion:240 Resp: 626624

Ion Ratio Lower Upper

240 100

120 13.4 9.2 13.8

236 26.3 21.0 31.6



#78

Pyrene

Concen: 39.645 ng

RT: 12.851 min Scan# 1830

Delta R.T. -0.006 min

Lab File: BF138236.D

Acq: 18 Jun 2024 20:59

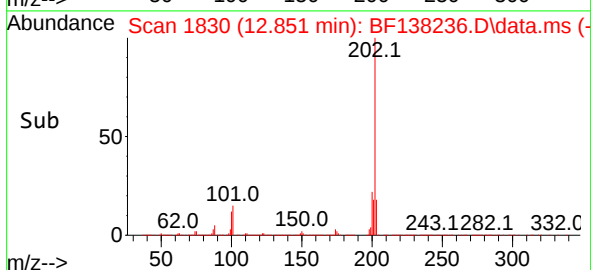
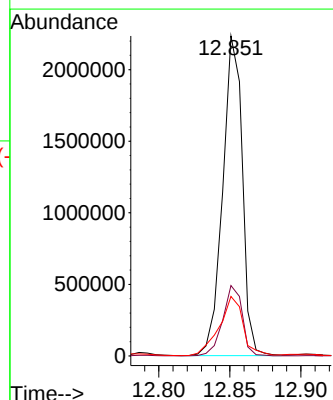
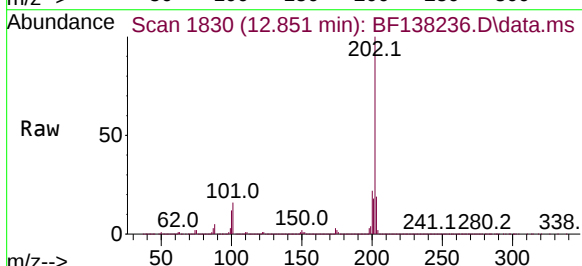
Tgt Ion:202 Resp: 2142810

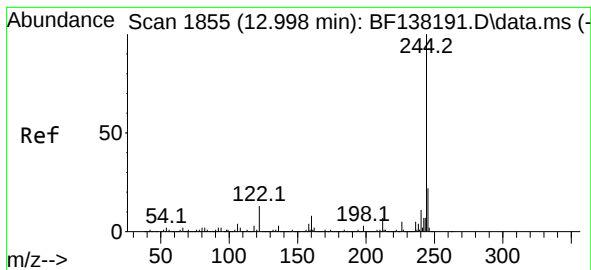
Ion Ratio Lower Upper

202 100

200 22.0 18.0 27.0

203 18.6 14.7 22.1





#79

Terphenyl-d14

Concen: 23.249 ng

RT: 12.992 min Scan# 1854

Delta R.T. -0.006 min

Lab File: BF138236.D

Acq: 18 Jun 2024 20:59

Instrument :

BNA_F

ClientSampleId :

OR-03-06132024

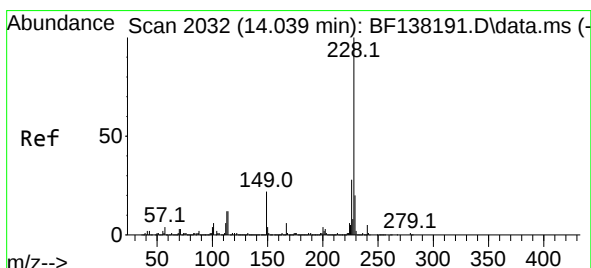
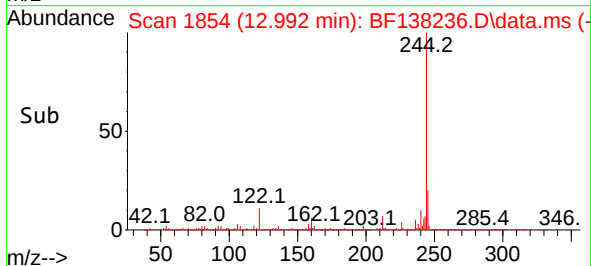
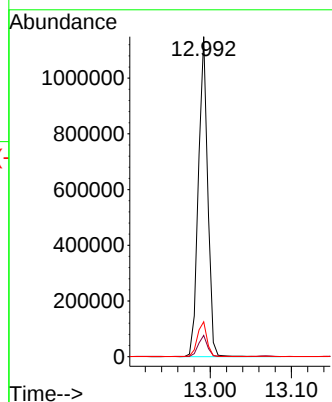
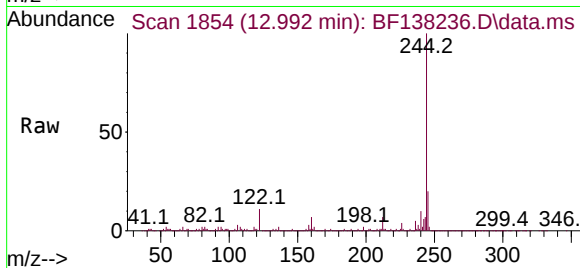
Tgt Ion:244 Resp: 919827

Ion Ratio Lower Upper

244 100

212 6.7 5.9 8.9

122 10.9 10.6 15.8



#81

Benzo(a)anthracene

Concen: 22.256 ng

RT: 14.039 min Scan# 2032

Delta R.T. -0.000 min

Lab File: BF138236.D

Acq: 18 Jun 2024 20:59

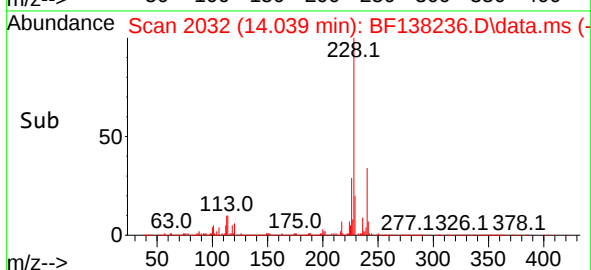
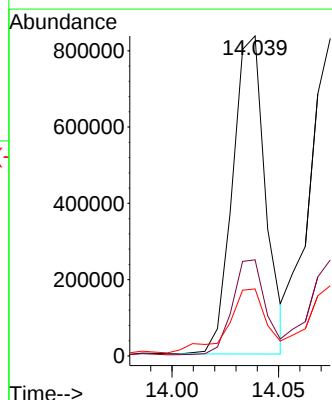
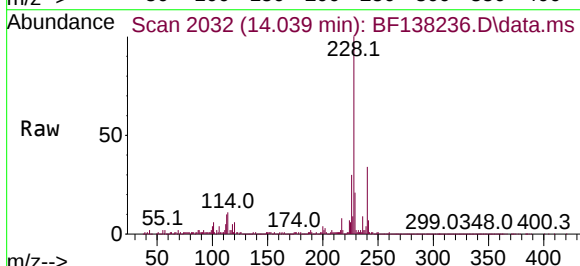
Tgt Ion:228 Resp: 894710

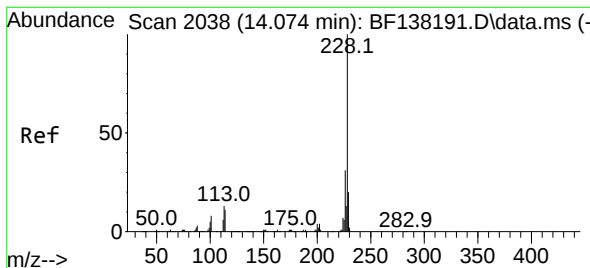
Ion Ratio Lower Upper

228 100

226 30.1 22.5 33.7

229 20.9 16.3 24.5





#83

Chrysene

Concen: 21.172 ng

RT: 14.074 min Scan# 2038

Delta R.T. -0.000 min

Lab File: BF138236.D

Acq: 18 Jun 2024 20:59

Instrument :

BNA_F

ClientSampleId :

OR-03-06132024

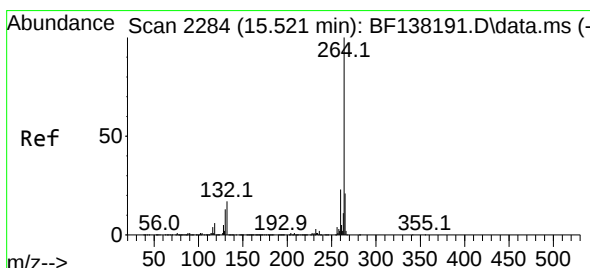
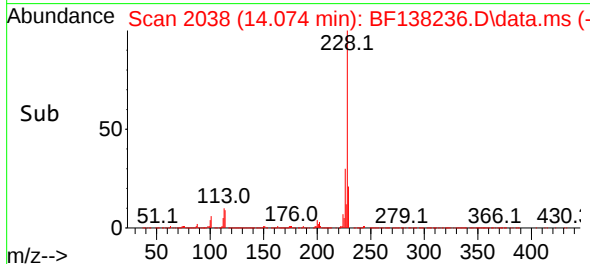
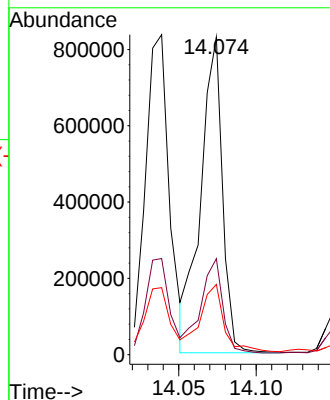
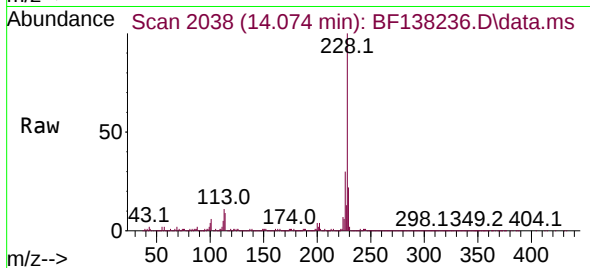
Tgt Ion:228 Resp: 811277

Ion Ratio Lower Upper

228 100

226 30.2 24.5 36.7

229 22.1 16.3 24.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.521 min Scan# 2284

Delta R.T. -0.000 min

Lab File: BF138236.D

Acq: 18 Jun 2024 20:59

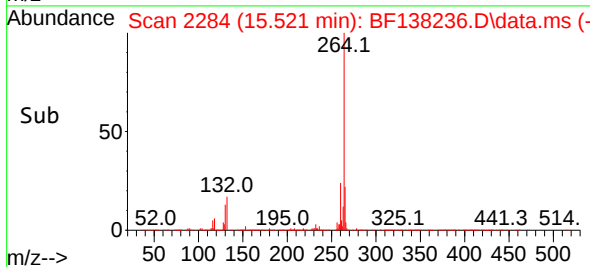
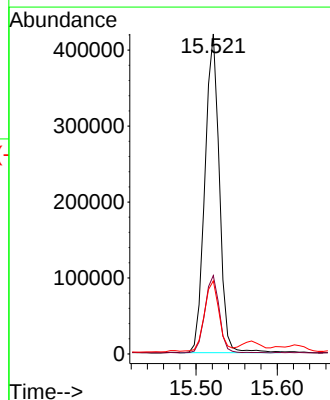
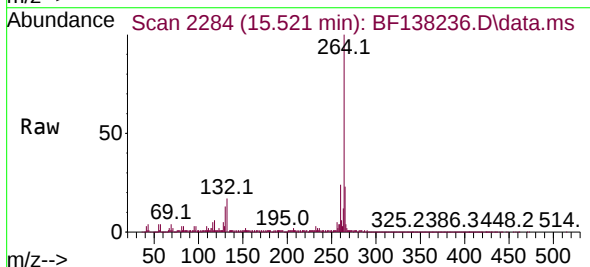
Tgt Ion:264 Resp: 517849

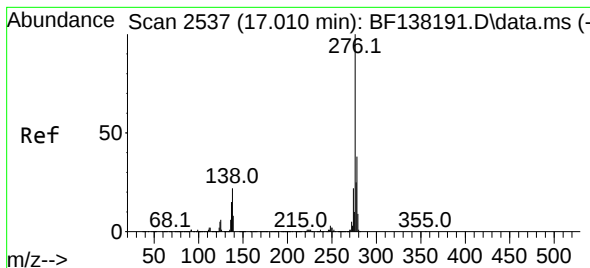
Ion Ratio Lower Upper

264 100

260 24.5 18.7 28.1

265 22.9 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 11.838 ng

RT: 16.998 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF138236.D

Acq: 18 Jun 2024 20:59

Instrument :

BNA_F

ClientSampleId :

OR-03-06132024

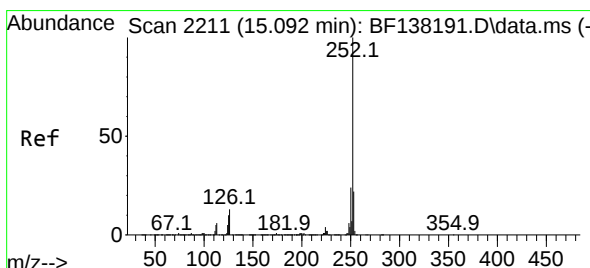
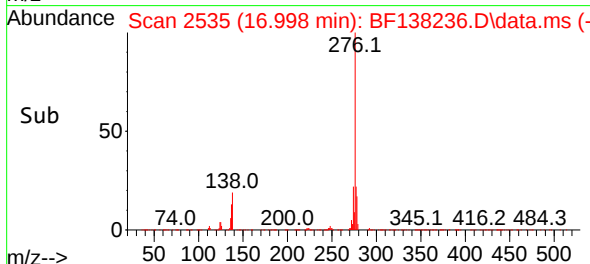
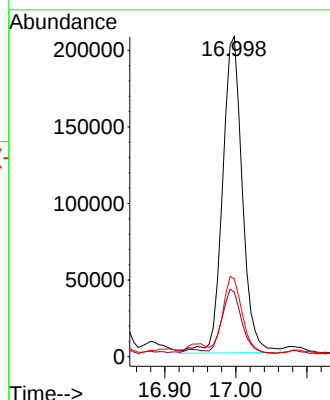
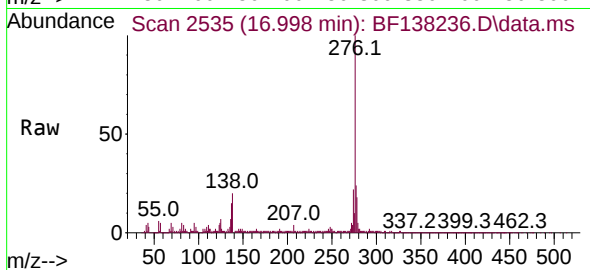
Tgt Ion:276 Resp: 399624

Ion Ratio Lower Upper

276 100

138 20.4 19.3 28.9

277 23.5 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 38.192 ng

RT: 15.086 min Scan# 2210

Delta R.T. -0.006 min

Lab File: BF138236.D

Acq: 18 Jun 2024 20:59

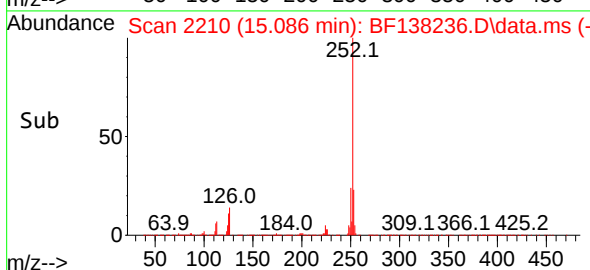
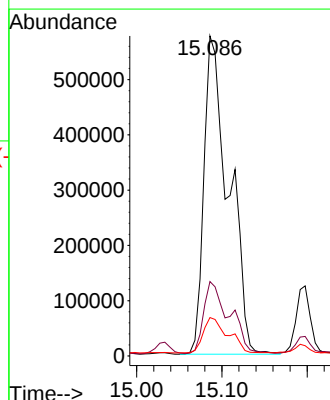
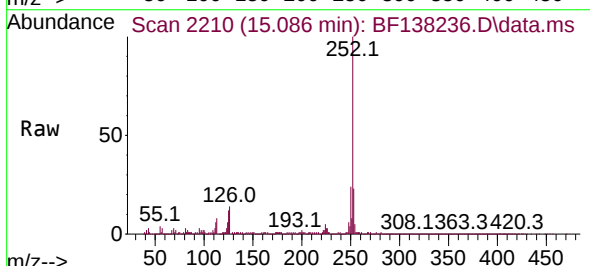
Tgt Ion:252 Resp: 1166308

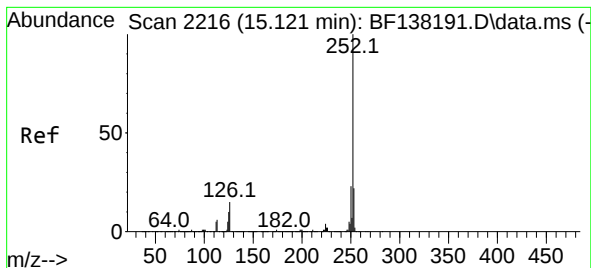
Ion Ratio Lower Upper

252 100

253 23.3 17.7 26.5

125 12.0 7.8 11.8#





#89

Benzo(k)fluoranthene

Concen: 38.970 ng

RT: 15.086 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF138236.D

Acq: 18 Jun 2024 20:59

Instrument :

BNA_F

ClientSampleId :

OR-03-06132024

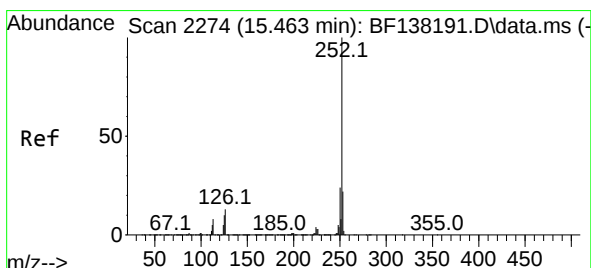
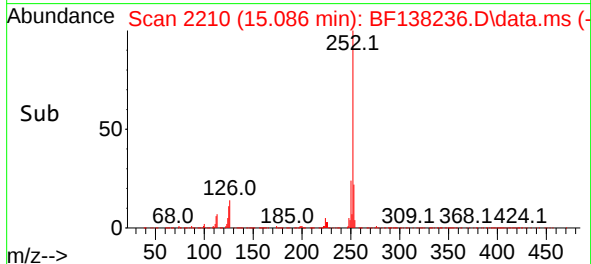
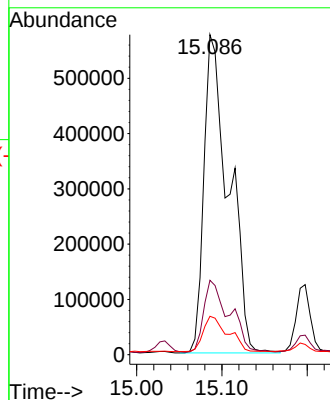
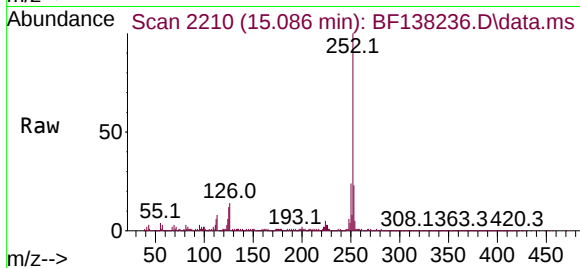
Tgt Ion:252 Resp: 1166308

Ion Ratio Lower Upper

252 100

253 23.3 17.8 26.8

125 12.0 8.0 12.0#



#90

Benzo(a)pyrene

Concen: 24.364 ng

RT: 15.457 min Scan# 2273

Delta R.T. -0.006 min

Lab File: BF138236.D

Acq: 18 Jun 2024 20:59

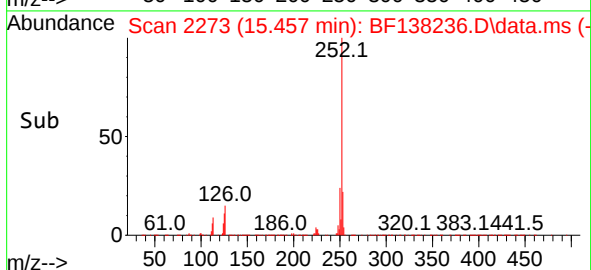
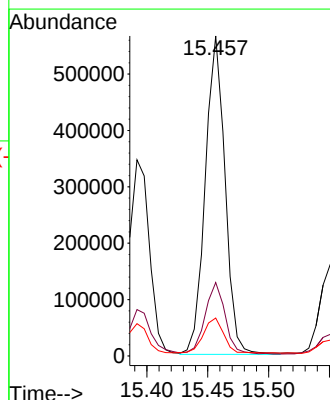
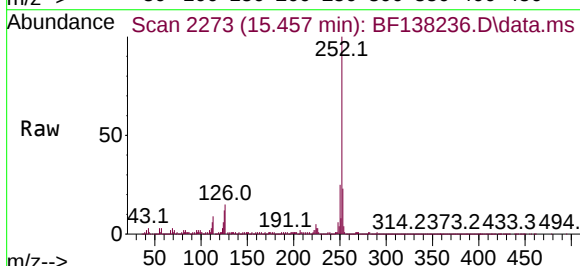
Tgt Ion:252 Resp: 639188

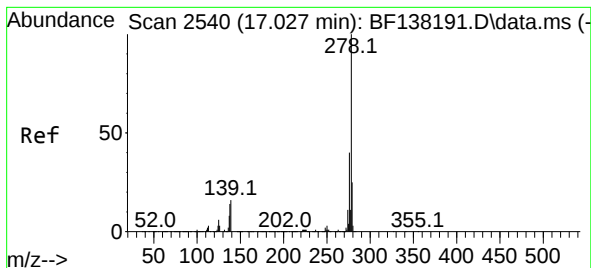
Ion Ratio Lower Upper

252 100

253 22.9 17.7 26.5

125 11.8 8.2 12.2





#91

Dibenzo(a,h)anthracene

Concen: 3.388 ng

RT: 17.009 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF138236.D

Acq: 18 Jun 2024 20:59

Instrument :

BNA_F

ClientSampleId :

OR-03-06132024

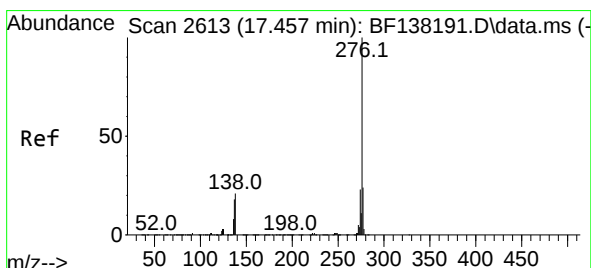
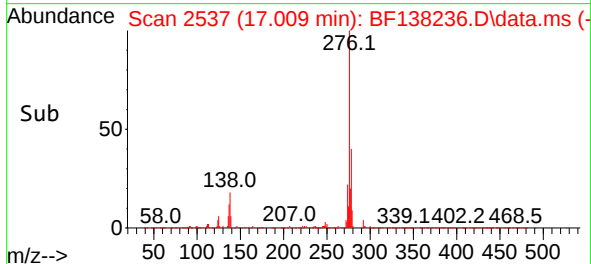
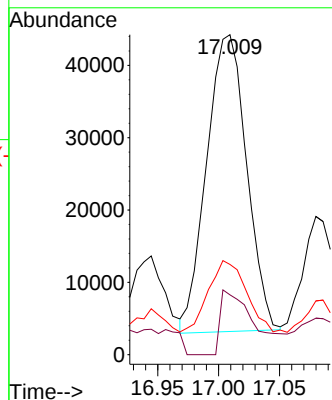
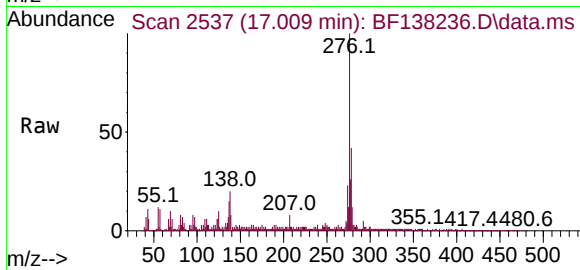
Tgt Ion:278 Resp: 93872

Ion Ratio Lower Upper

278 100

139 18.7 12.9 19.3

279 28.2 19.9 29.9



#92

Benzo(g,h,i)perylene

Concen: 13.885 ng

RT: 17.445 min Scan# 2611

Delta R.T. -0.012 min

Lab File: BF138236.D

Acq: 18 Jun 2024 20:59

Tgt Ion:276 Resp: 398020

Ion Ratio Lower Upper

276 100

277 23.7 19.5 29.3

138 19.5 16.6 24.8

