

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062824\
 Data File : BM046358.D
 Acq On : 28 Jun 2024 18:43
 Operator : MA/JU
 Sample : P3076-07
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 7-E-1

Quant Time: Jun 28 23:02:01 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM062724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 28 03:23:08 2024
 Response via : Initial Calibration

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

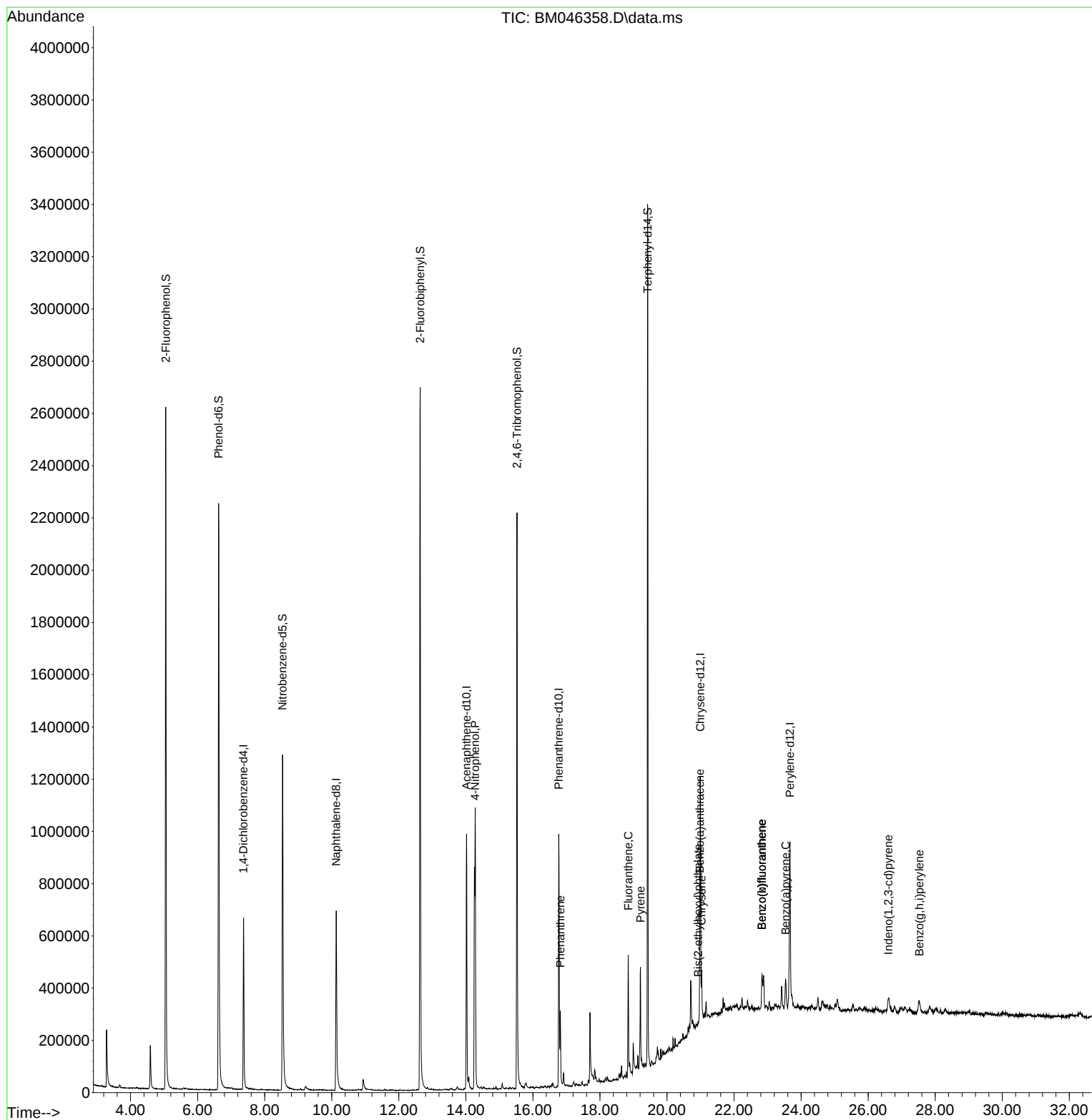
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.369	152	155492	20.000	ng	0.00
21) Naphthalene-d8	10.133	136	621505	20.000	ng	0.00
39) Acenaphthene-d10	14.021	164	332974	20.000	ng	0.00
64) Phenanthrene-d10	16.774	188	547699	20.000	ng	0.00
76) Chrysene-d12	20.992	240	397946	20.000	ng	0.00
86) Perylene-d12	23.668	264	502454	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.051	112	972600	100.544	ng	0.00
7) Phenol-d6	6.628	99	1198812	87.237	ng	0.00
23) Nitrobenzene-d5	8.534	82	842919	56.225	ng	0.00
42) 2,4,6-Tribromophenol	15.527	330	314674	77.709	ng	0.00
45) 2-Fluorobiphenyl	12.639	172	1413857	57.551	ng	0.00
79) Terphenyl-d14	19.427	244	1327934	55.210	ng	0.00
Target Compounds						
					Qvalue	
56) 4-Nitrophenol	14.274	139	1623	3.988	ng	# 1
71) Phenanthrene	16.821	178	157264	5.396	ng	99
75) Fluoranthene	18.845	202	253552	7.362	ng	99
78) Pyrene	19.209	202	216835	7.844	ng	98
81) Benzo(a)anthracene	20.980	228	93042	3.564	ng	98
83) Chrysene	21.033	228	92760	3.715	ng	97
84) Bis(2-ethylhexyl)phtha...	20.927	149	4259	2.620	ng	# 79
87) Indeno(1,2,3-cd)pyrene	26.603	276	66215	2.055	ng	96
88) Benzo(b)fluoranthene	22.833	252	128644	4.323	ng	# 93
89) Benzo(k)fluoranthene	22.833	252	128644	4.345	ng	# 95
90) Benzo(a)pyrene	23.538	252	94994	3.634	ng	94
92) Benzo(g,h,i)perylene	27.526	276	69438	2.605	ng	99

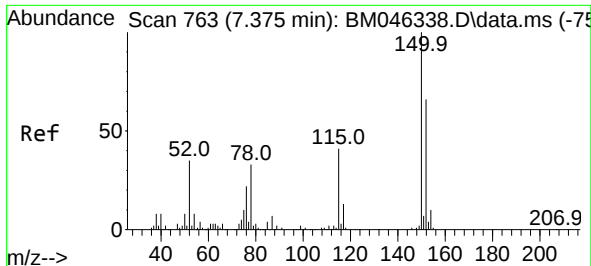
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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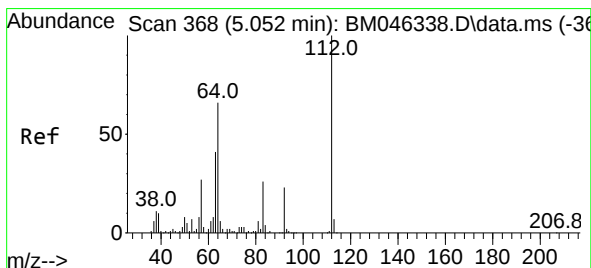
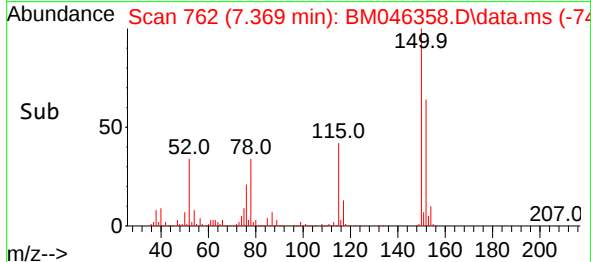
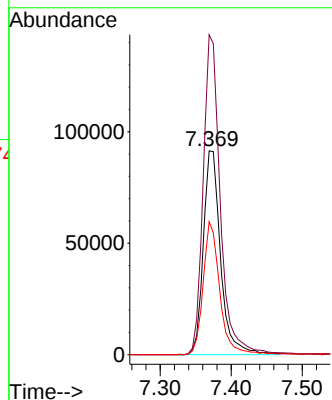
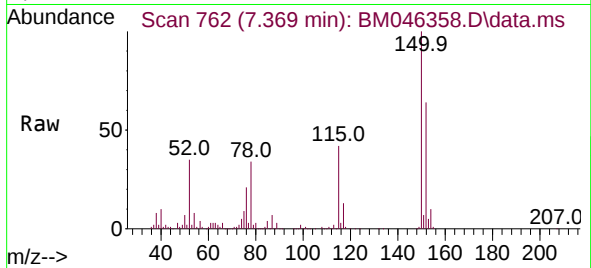




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.369 min Scan# 763
Delta R.T. -0.006 min
Lab File: BM046358.D
Acq: 28 Jun 2024 18:43

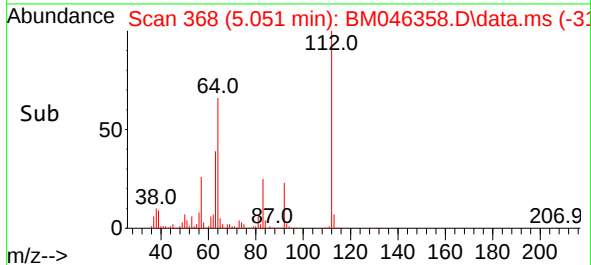
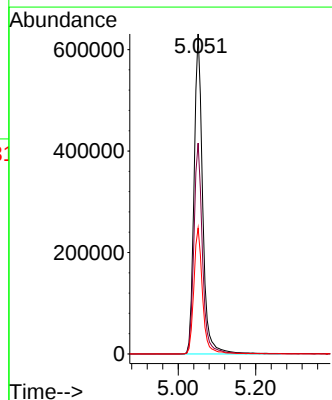
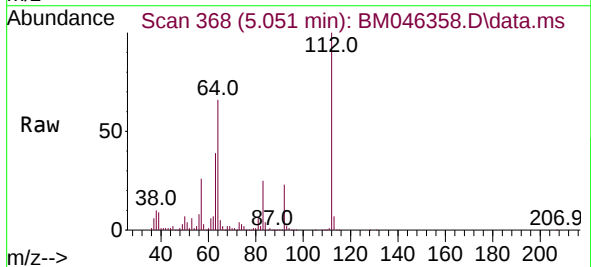
Instrument :
BNA_M
ClientSampleId :
7-E-1

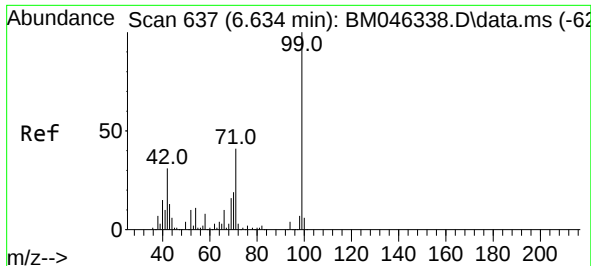
Tgt Ion:152 Resp: 155492
Ion Ratio Lower Upper
152 100
150 156.9 122.1 183.1
115 65.2 50.2 75.4



#5
2-Fluorophenol
Concen: 100.544 ng
RT: 5.051 min Scan# 368
Delta R.T. -0.000 min
Lab File: BM046358.D
Acq: 28 Jun 2024 18:43

Tgt Ion:112 Resp: 972600
Ion Ratio Lower Upper
112 100
64 65.9 52.8 79.2
63 39.4 32.9 49.3

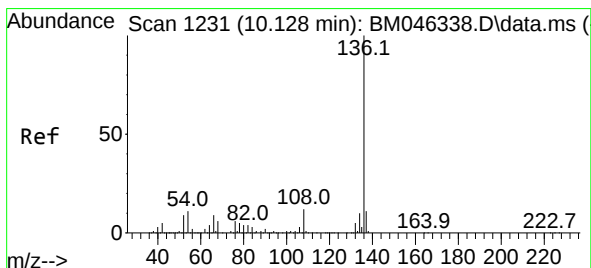
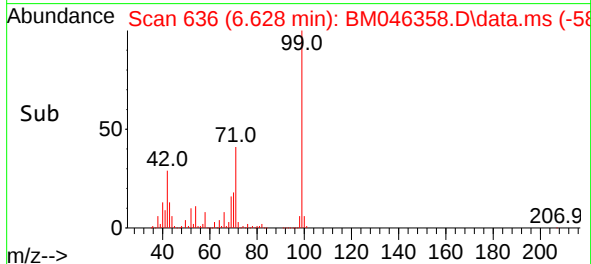
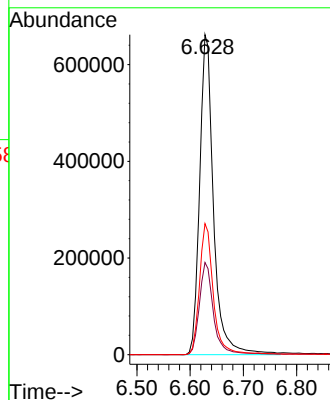
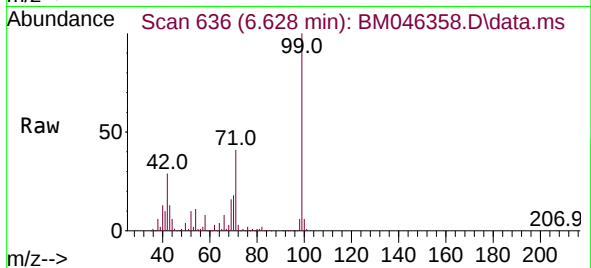




#7
Phenol-d6
Concen: 87.237 ng
RT: 6.628 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM046358.D
Acq: 28 Jun 2024 18:43

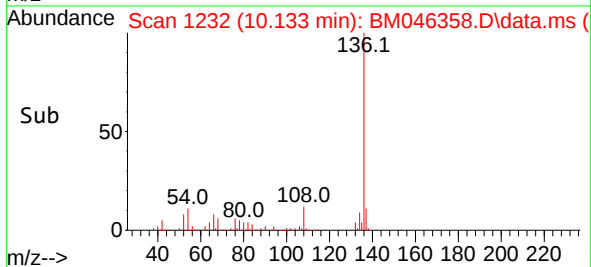
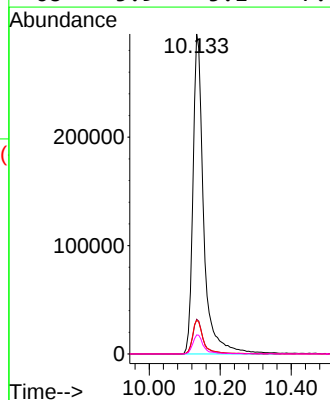
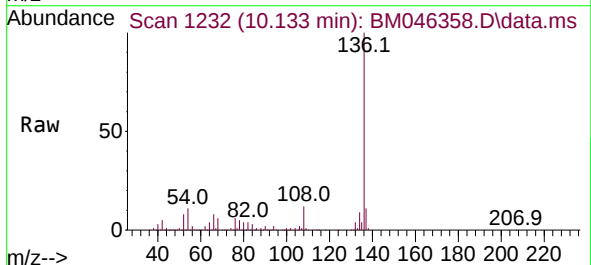
Instrument :
BNA_M
ClientSampleId :
7-E-1

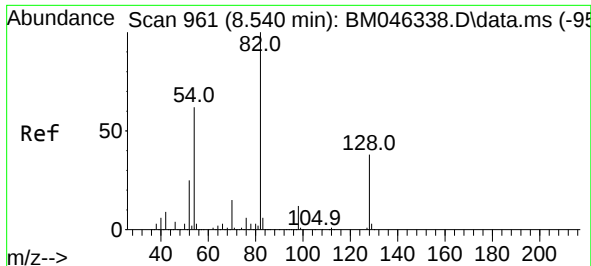
Tgt Ion: 99 Resp: 1198812
Ion Ratio Lower Upper
99 100
42 28.8 24.8 37.2
71 40.9 33.1 49.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.133 min Scan# 1232
Delta R.T. 0.005 min
Lab File: BM046358.D
Acq: 28 Jun 2024 18:43

Tgt Ion: 136 Resp: 621505
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 10.5 9.0 13.4
68 5.9 5.1 7.7

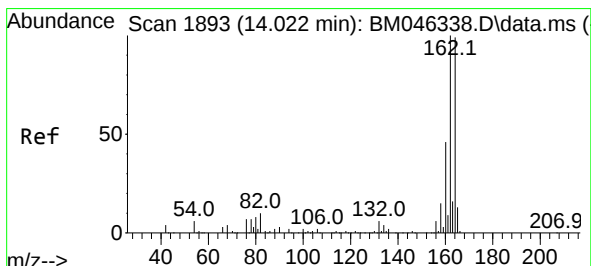
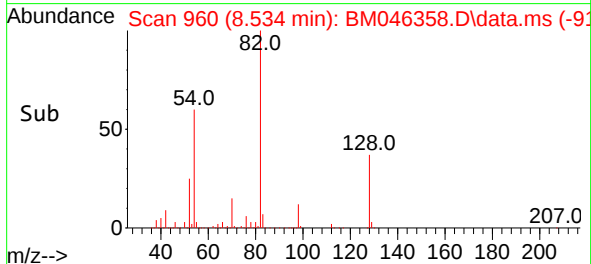
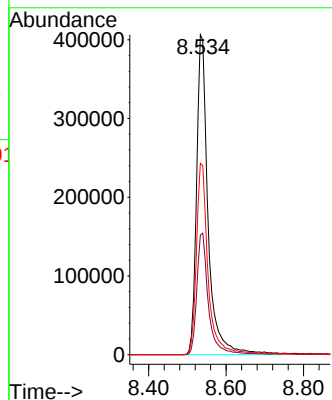
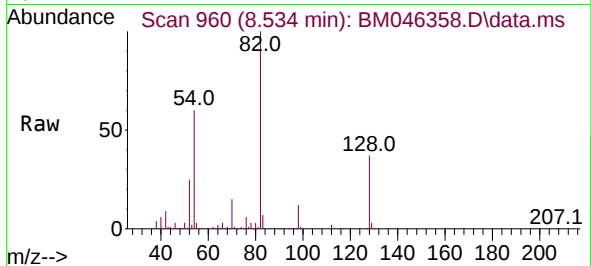




#23
Nitrobenzene-d5
Concen: 56.225 ng
RT: 8.534 min Scan# 961
Delta R.T. -0.006 min
Lab File: BM046358.D
Acq: 28 Jun 2024 18:43

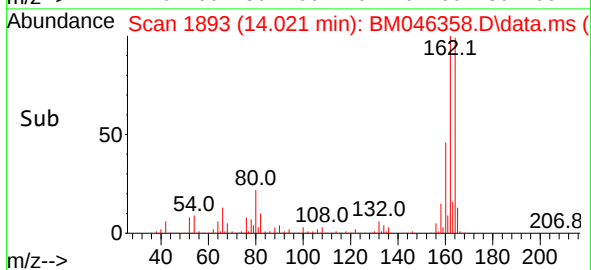
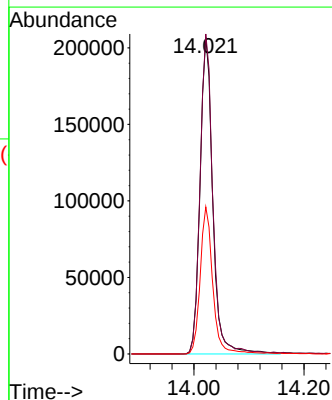
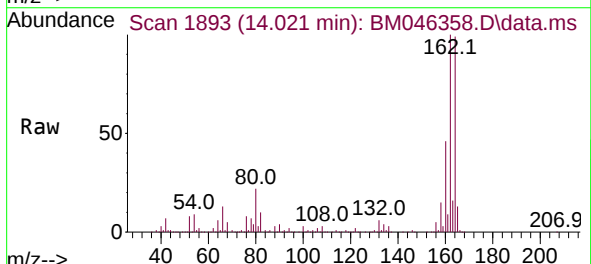
Instrument :
BNA_M
ClientSampleId :
7-E-1

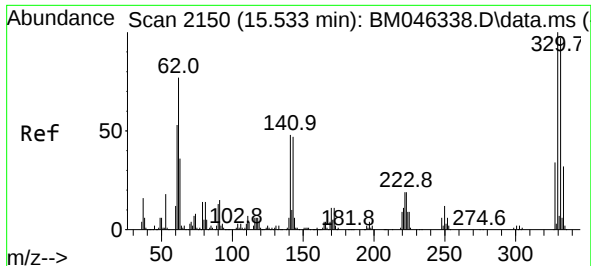
Tgt Ion: 82 Resp: 842919
Ion Ratio Lower Upper
82 100
128 37.4 30.6 46.0
54 59.8 49.6 74.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.021 min Scan# 1893
Delta R.T. -0.001 min
Lab File: BM046358.D
Acq: 28 Jun 2024 18:43

Tgt Ion: 164 Resp: 332974
Ion Ratio Lower Upper
164 100
162 101.1 80.5 120.7
160 46.4 37.0 55.6





#42

2,4,6-Tribromophenol

Concen: 77.709 ng

RT: 15.527 min Scan# 2150

Delta R.T. -0.006 min

Lab File: BM046358.D

Acq: 28 Jun 2024 18:43

Instrument :

BNA_M

ClientSampleId :

7-E-1

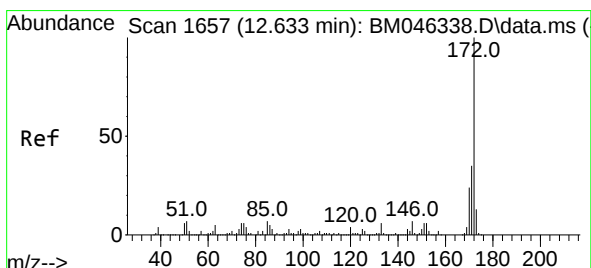
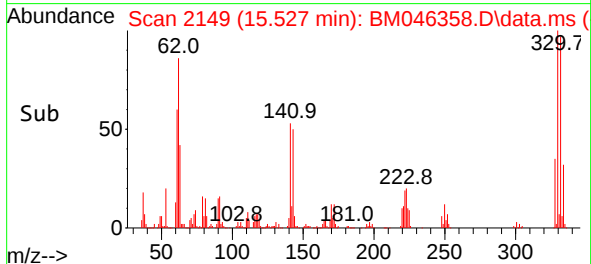
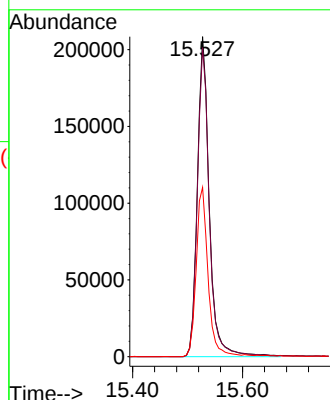
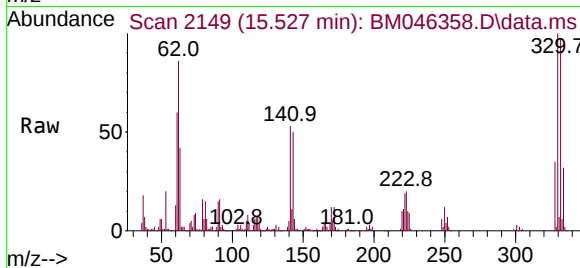
Tgt Ion:330 Resp: 314674

Ion Ratio Lower Upper

330 100

332 97.2 77.8 116.6

141 52.3 43.2 64.8



#45

2-Fluorobiphenyl

Concen: 57.551 ng

RT: 12.639 min Scan# 1658

Delta R.T. 0.006 min

Lab File: BM046358.D

Acq: 28 Jun 2024 18:43

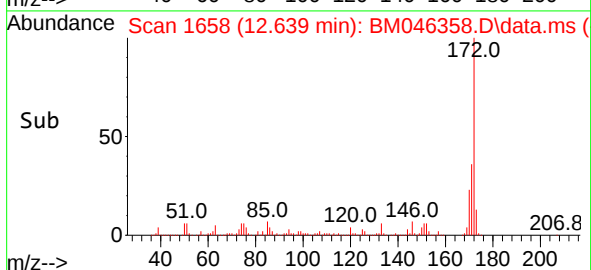
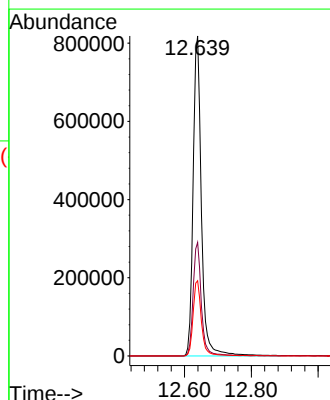
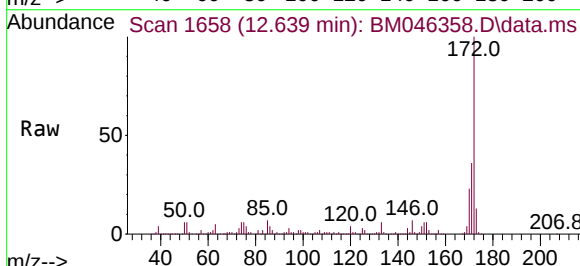
Tgt Ion:172 Resp: 1413857

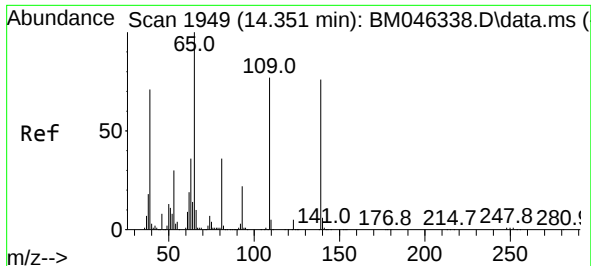
Ion Ratio Lower Upper

172 100

171 35.5 28.1 42.1

170 23.5 19.4 29.0

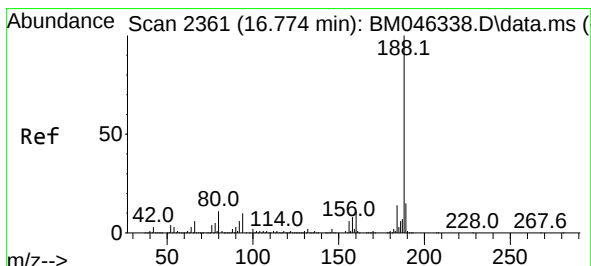
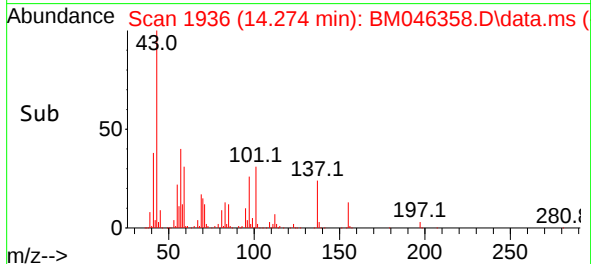
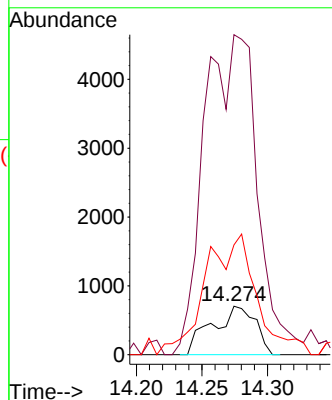
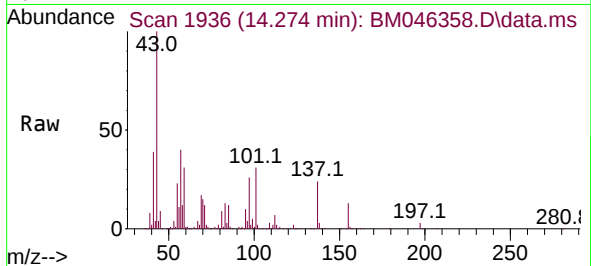




#56
4-Nitrophenol
Concen: 3.988 ng
RT: 14.274 min Scan# 1949
Delta R.T. -0.077 min
Lab File: BM046358.D
Acq: 28 Jun 2024 18:43

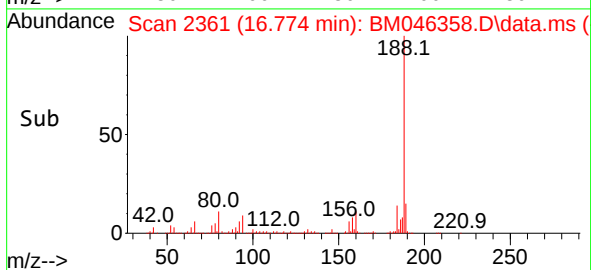
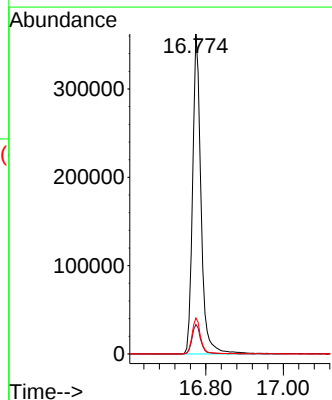
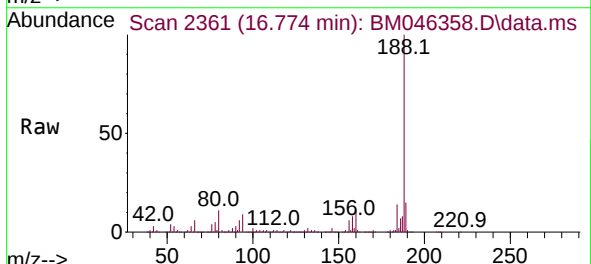
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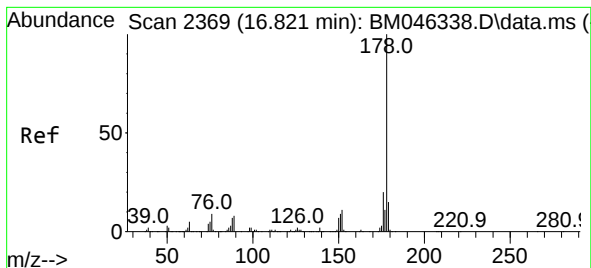
Tgt Ion:139 Resp: 1623
Ion Ratio Lower Upper
139 100
109 660.4 82.0 122.0#
65 226.7 112.0 152.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.774 min Scan# 2361
Delta R.T. 0.000 min
Lab File: BM046358.D
Acq: 28 Jun 2024 18:43

Tgt Ion:188 Resp: 547699
Ion Ratio Lower Upper
188 100
94 9.2 7.9 11.9
80 11.2 9.0 13.6





#71

Phenanthrene

Concen: 5.396 ng

RT: 16.821 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM046358.D

Acq: 28 Jun 2024 18:43

Instrument :

BNA_M

ClientSampleId :

7-E-1

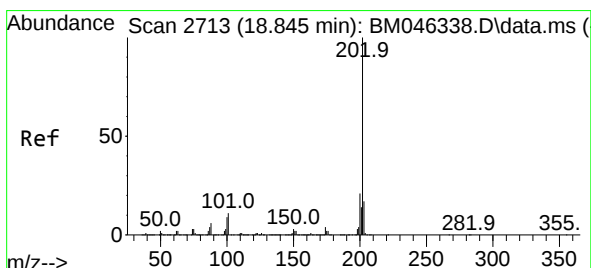
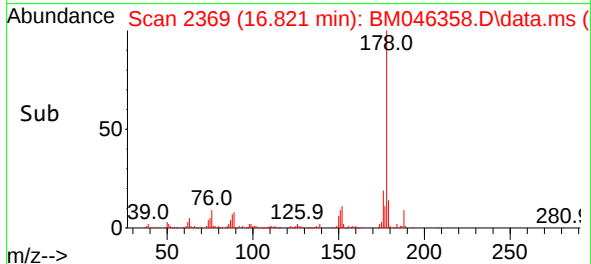
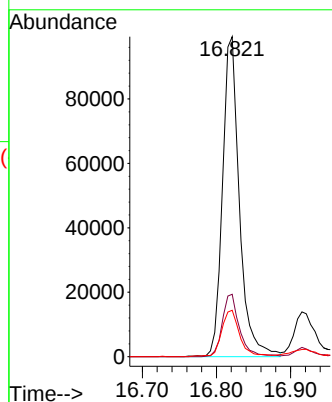
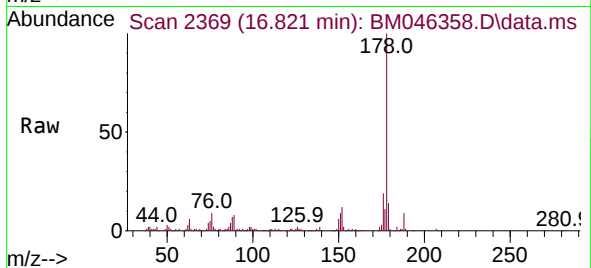
Tgt Ion:178 Resp: 157264

Ion Ratio Lower Upper

178 100

176 19.5 15.8 23.8

179 14.5 12.2 18.4



#75

Fluoranthene

Concen: 7.362 ng

RT: 18.845 min Scan# 2713

Delta R.T. -0.000 min

Lab File: BM046358.D

Acq: 28 Jun 2024 18:43

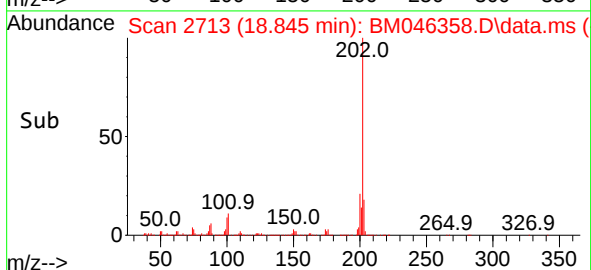
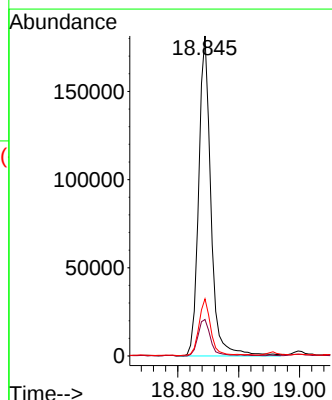
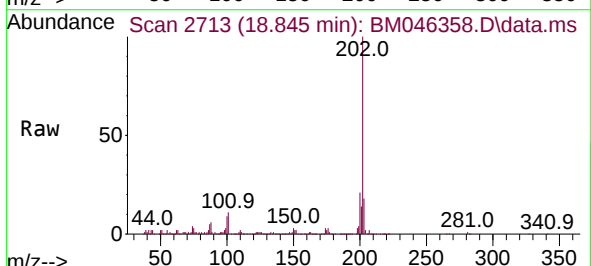
Tgt Ion:202 Resp: 253552

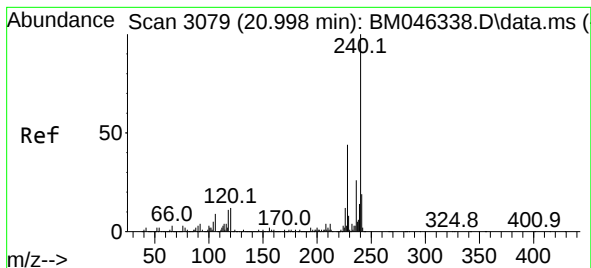
Ion Ratio Lower Upper

202 100

101 11.4 0.0 31.4

203 17.8 0.0 37.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 20.992 min Scan# 3079

Delta R.T. -0.006 min

Lab File: BM046358.D

Acq: 28 Jun 2024 18:43

Instrument :

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7-E-1

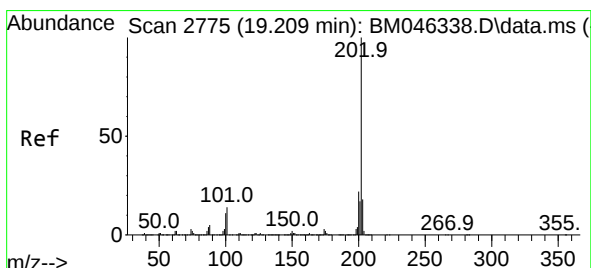
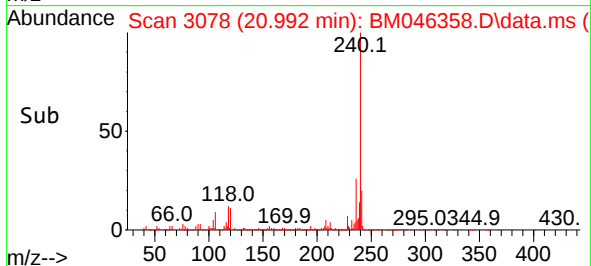
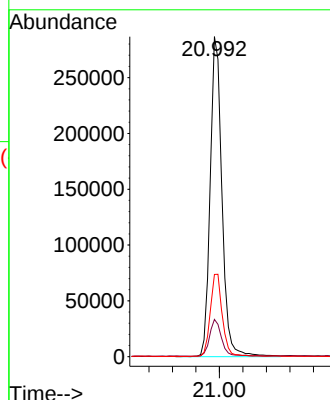
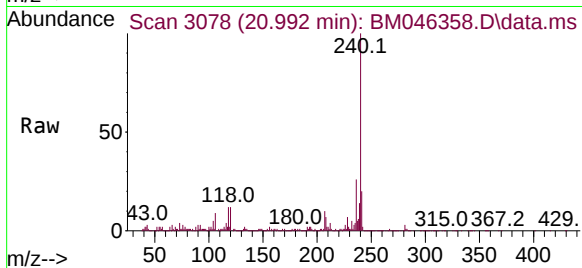
Tgt Ion:240 Resp: 397946

Ion Ratio Lower Upper

240 100

120 11.6 9.3 13.9

236 25.7 20.5 30.7



#78

Pyrene

Concen: 7.844 ng

RT: 19.209 min Scan# 2775

Delta R.T. 0.000 min

Lab File: BM046358.D

Acq: 28 Jun 2024 18:43

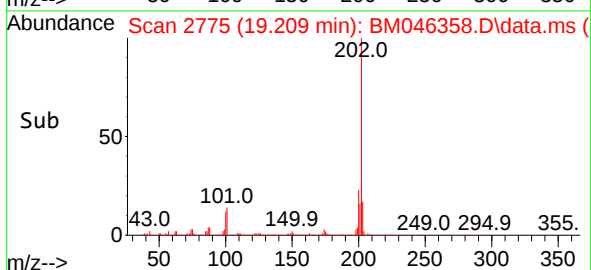
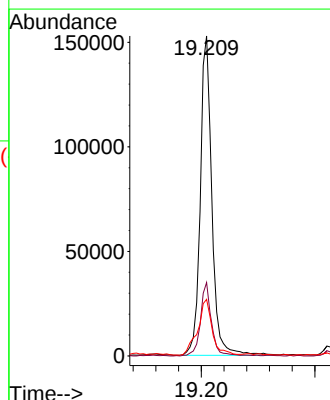
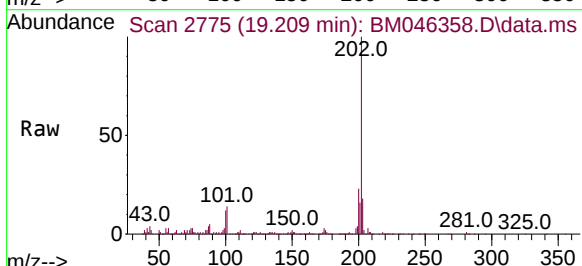
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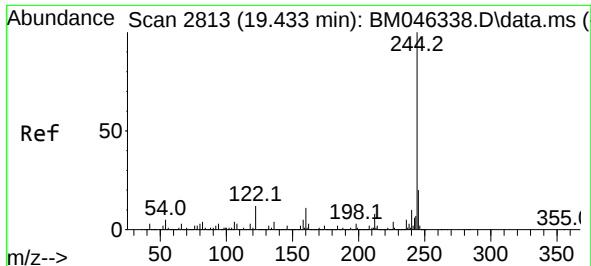
Ion Ratio Lower Upper

202 100

200 23.0 17.3 25.9

203 17.7 14.3 21.5

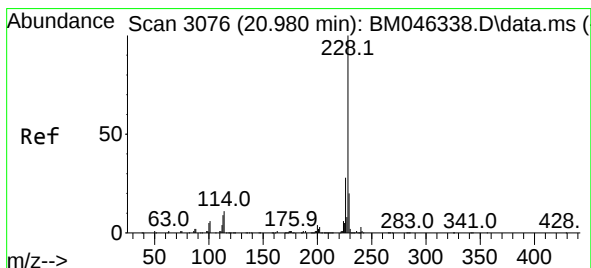
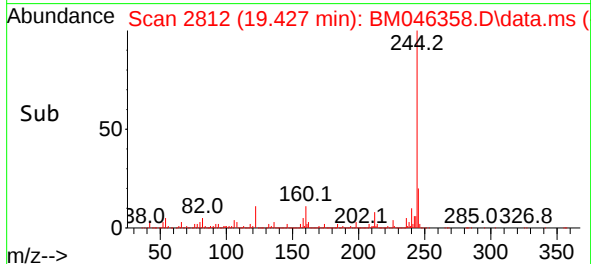
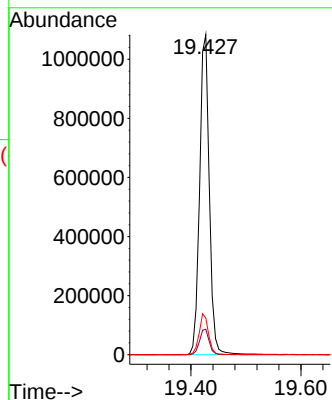
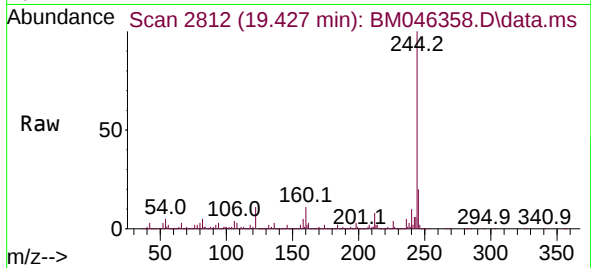




#79
 Terphenyl-d14
 Concen: 55.210 ng
 RT: 19.427 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM046358.D
 Acq: 28 Jun 2024 18:43

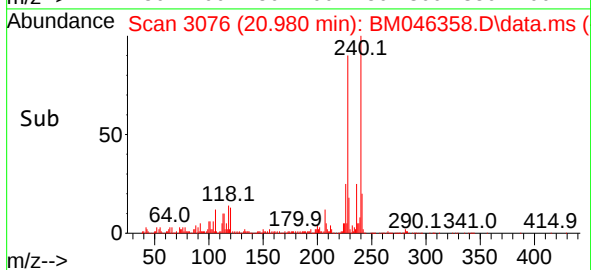
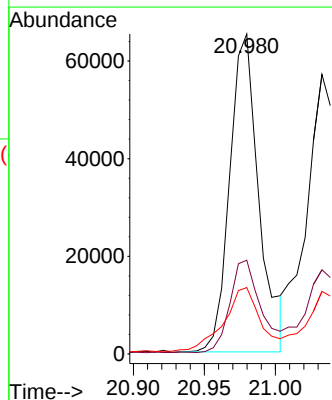
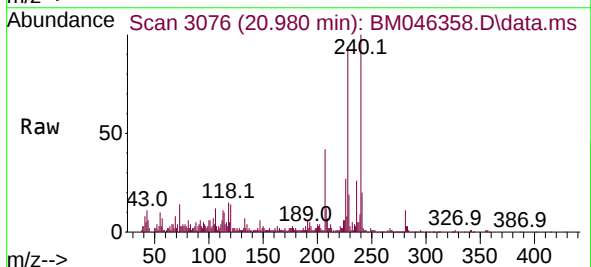
Instrument :
 BNA_M
 ClientSampleId :
 7-E-1

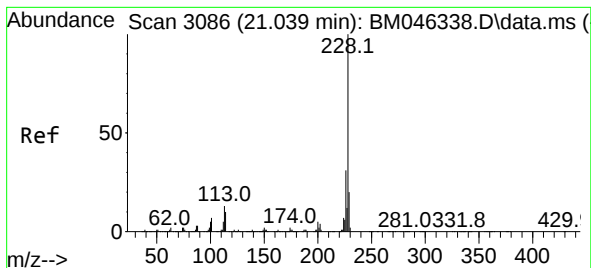
Tgt Ion:244 Resp: 1327934
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.5 9.7
 122 11.5 9.4 14.0



#81
 Benzo(a)anthracene
 Concen: 3.564 ng
 RT: 20.980 min Scan# 3076
 Delta R.T. -0.000 min
 Lab File: BM046358.D
 Acq: 28 Jun 2024 18:43

Tgt Ion:228 Resp: 93042
 Ion Ratio Lower Upper
 228 100
 226 29.3 22.5 33.7
 229 20.8 15.9 23.9





#83

Chrysene

Concen: 3.715 ng

RT: 21.033 min Scan# 3086

Delta R.T. -0.006 min

Lab File: BM046358.D

Acq: 28 Jun 2024 18:43

Instrument :

BNA_M

ClientSampleId :

7-E-1

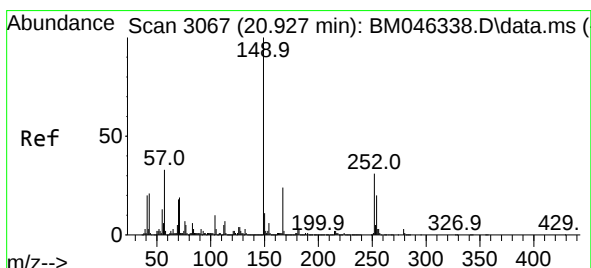
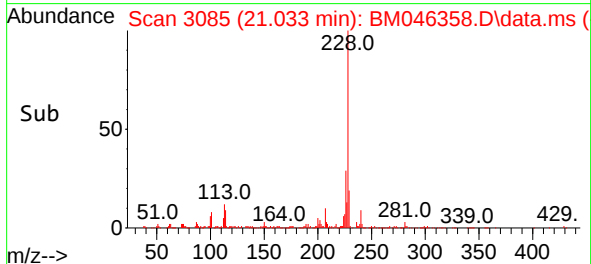
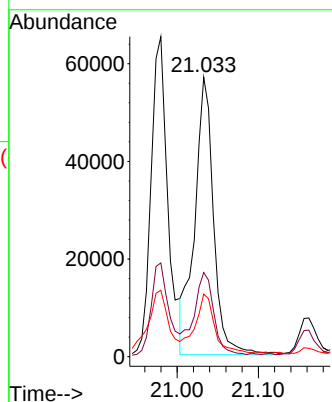
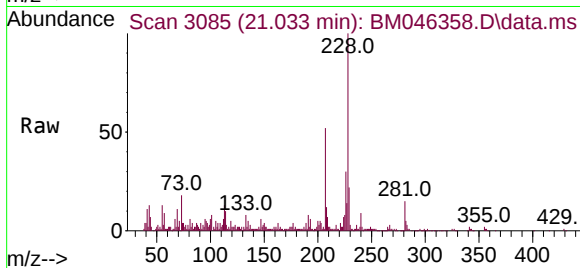
Tgt Ion:228 Resp: 92760

Ion Ratio Lower Upper

228 100

226 30.1 24.6 36.8

229 22.4 15.9 23.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.620 ng

RT: 20.927 min Scan# 3067

Delta R.T. -0.000 min

Lab File: BM046358.D

Acq: 28 Jun 2024 18:43

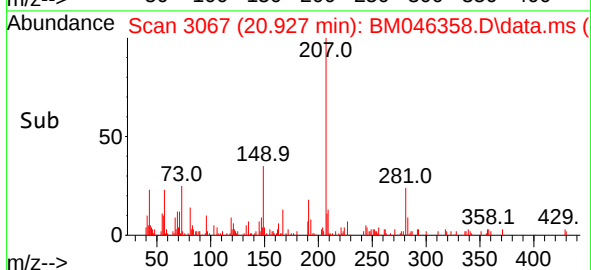
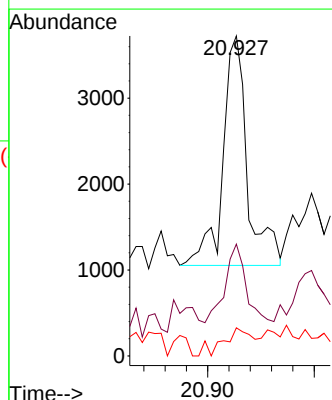
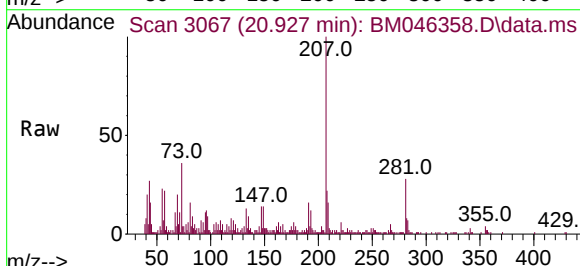
Tgt Ion:149 Resp: 4259

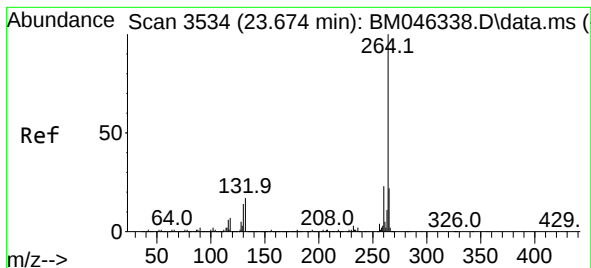
Ion Ratio Lower Upper

149 100

167 35.0 19.6 29.4#

279 8.8 2.6 4.0#





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.668 min Scan# 3

Delta R.T. -0.006 min

Lab File: BM046358.D

Acq: 28 Jun 2024 18:43

Instrument :

BNA_M

ClientSampleId :

7-E-1

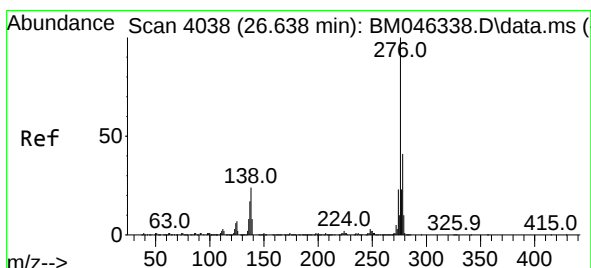
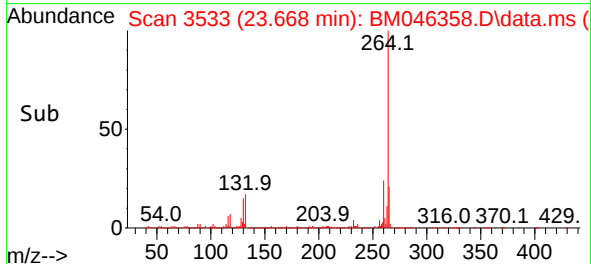
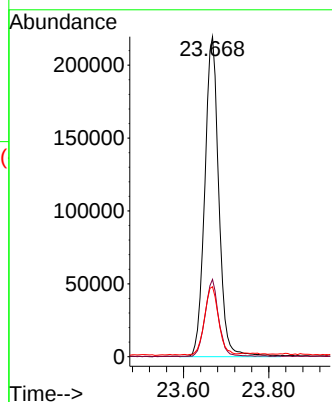
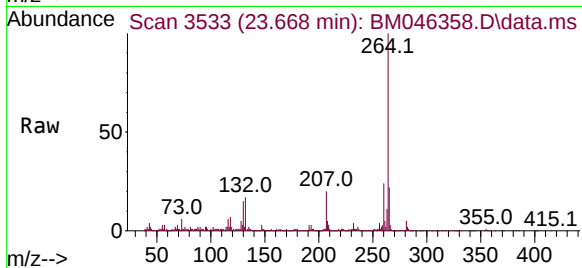
Tgt Ion:264 Resp: 502454

Ion Ratio Lower Upper

264 100

260 24.2 18.5 27.7

265 21.9 17.7 26.5



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.055 ng

RT: 26.603 min Scan# 4032

Delta R.T. -0.035 min

Lab File: BM046358.D

Acq: 28 Jun 2024 18:43

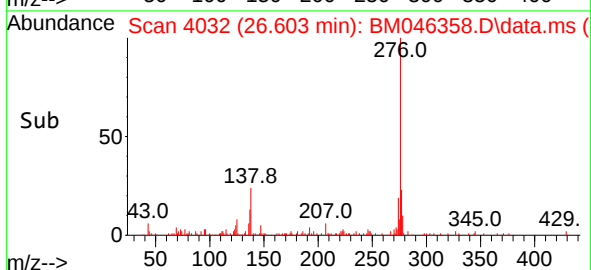
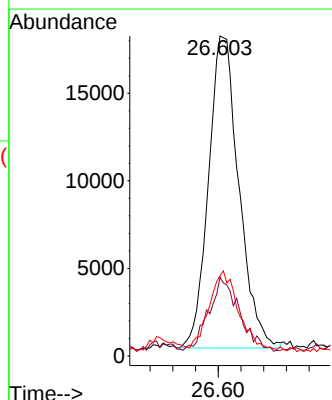
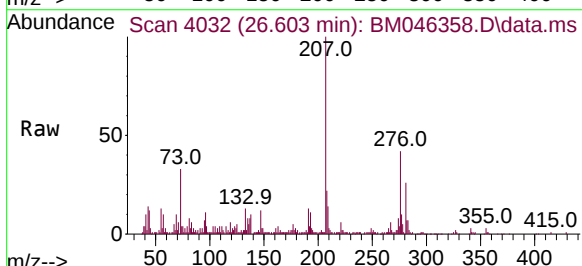
Tgt Ion:276 Resp: 66215

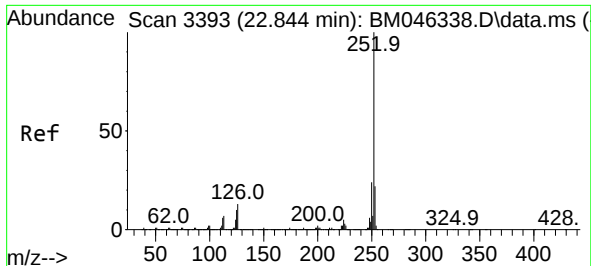
Ion Ratio Lower Upper

276 100

138 23.5 21.4 32.2

277 25.8 19.8 29.8

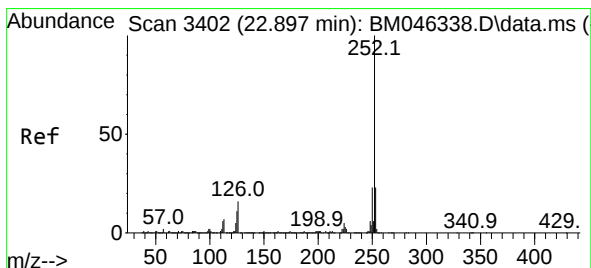
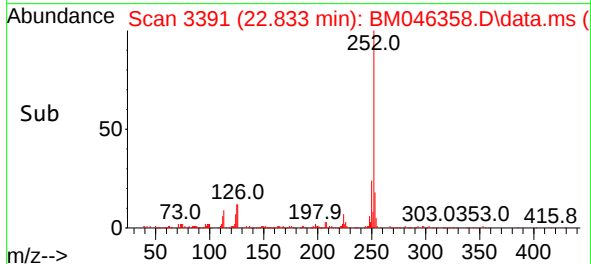
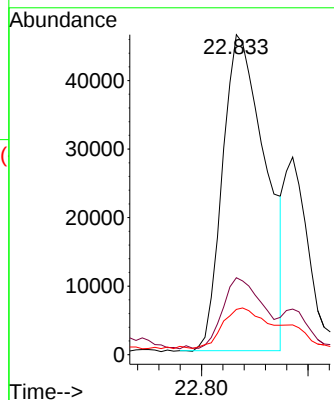
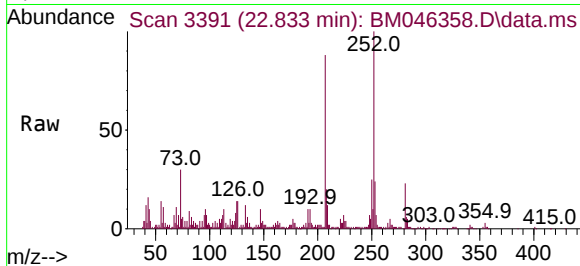




#88
Benzo(b)fluoranthene
Concen: 4.323 ng
RT: 22.833 min Scan# 3391
Delta R.T. -0.012 min
Lab File: BM046358.D
Acq: 28 Jun 2024 18:43

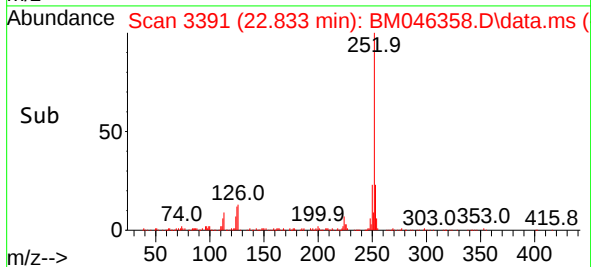
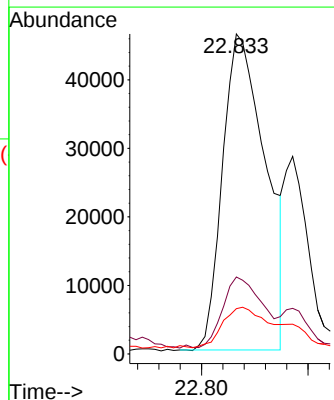
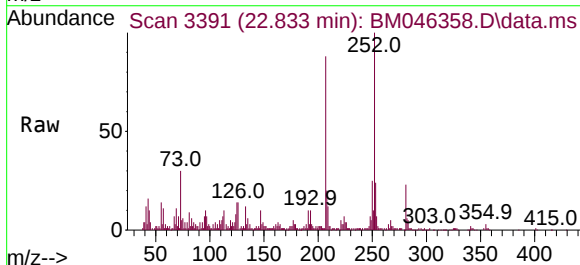
Instrument :
BNA_M
ClientSampleId :
7-E-1

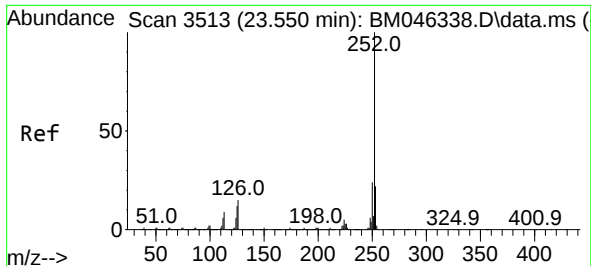
Tgt Ion:252 Resp: 128644
Ion Ratio Lower Upper
252 100
253 24.1 17.4 26.0
125 14.2 8.4 12.6#



#89
Benzo(k)fluoranthene
Concen: 4.345 ng
RT: 22.833 min Scan# 3391
Delta R.T. -0.065 min
Lab File: BM046358.D
Acq: 28 Jun 2024 18:43

Tgt Ion:252 Resp: 128644
Ion Ratio Lower Upper
252 100
253 24.1 17.8 26.8
125 14.2 8.9 13.3#

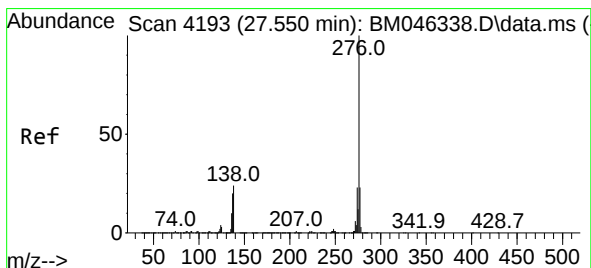
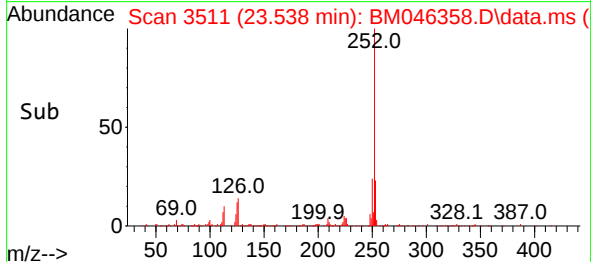
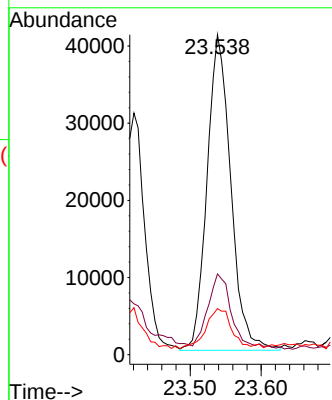
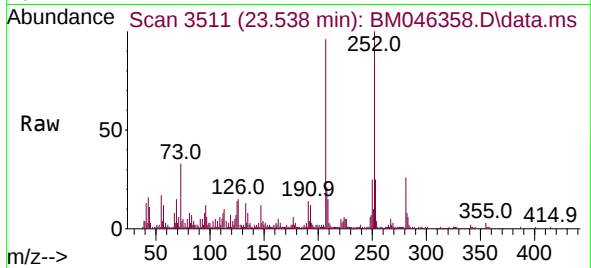




#90
Benzo(a)pyrene
Concen: 3.634 ng
RT: 23.538 min Scan# 31
Delta R.T. -0.012 min
Lab File: BM046358.D
Acq: 28 Jun 2024 18:43

Instrument :
BNA_M
ClientSampleId :
7-E-1

Tgt Ion:252 Resp: 94994
Ion Ratio Lower Upper
252 100
253 25.3 17.9 26.9
125 14.4 9.8 14.6



#92
Benzo(g,h,i)perylene
Concen: 2.605 ng
RT: 27.526 min Scan# 4189
Delta R.T. -0.024 min
Lab File: BM046358.D
Acq: 28 Jun 2024 18:43

Tgt Ion:276 Resp: 69438
Ion Ratio Lower Upper
276 100
277 23.3 18.5 27.7
138 22.8 19.0 28.4

