

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM083024\
 Data File : BM047417.D
 Acq On : 30 Aug 2024 22:18
 Operator : RC/JU
 Sample : P3788-01 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 OR-02-082924

Quant Time: Aug 30 23:39:54 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 26 18:11:40 2024
 Response via : Initial Calibration

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

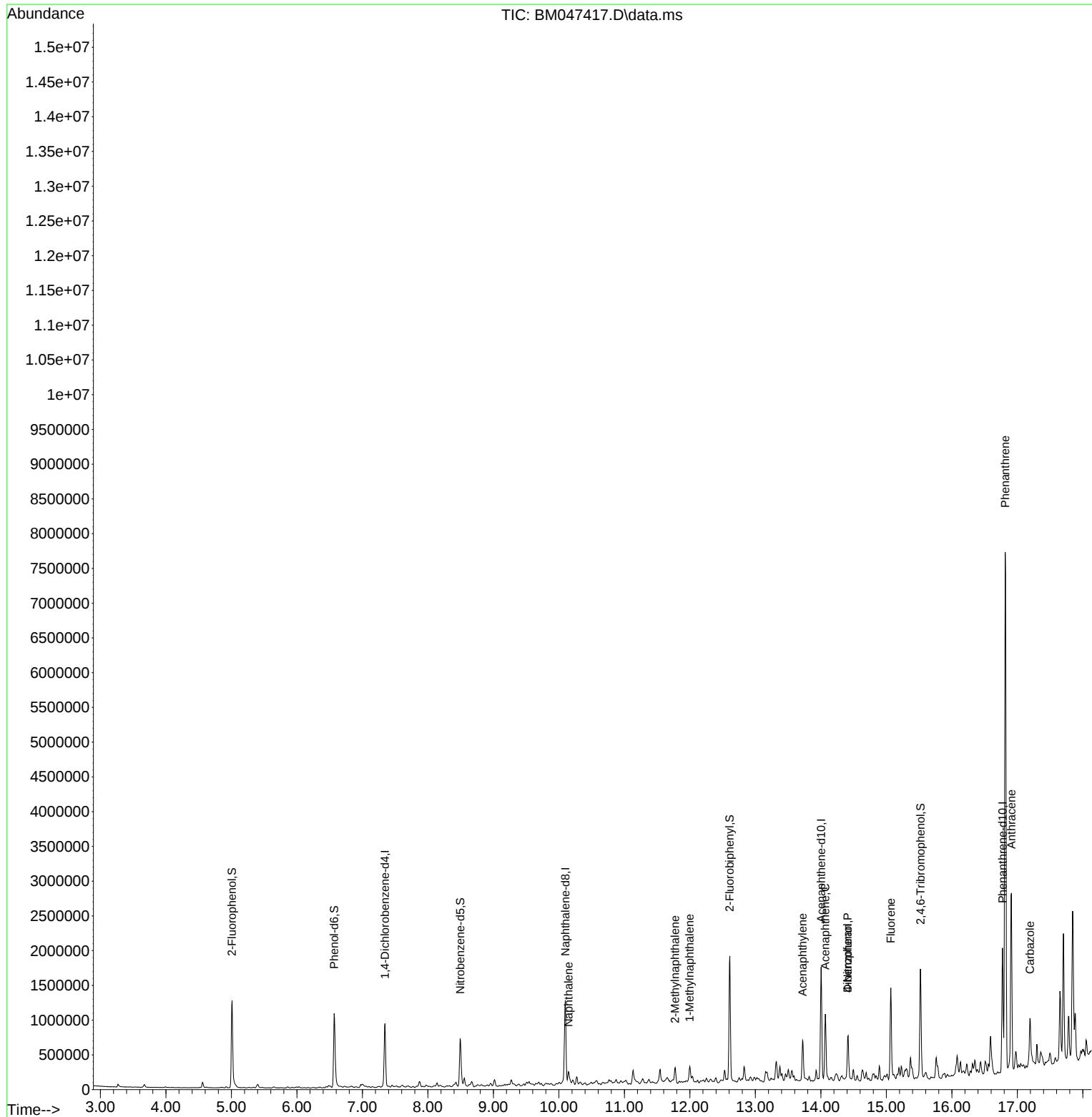
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.345	152	268299	20.000	ng	0.00
21) Naphthalene-d8	10.098	136	910699	20.000	ng	0.00
39) Acenaphthene-d10	14.004	164	563090	20.000	ng	0.00
64) Phenanthrene-d10	16.774	188	1087522	20.000	ng	0.00
76) Chrysene-d12	21.021	240	1017443	20.000	ng	0.00
86) Perylene-d12	23.727	264	1212021	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.010	112	594961	42.545	ng	0.00
7) Phenol-d6	6.569	99	721325	37.864	ng	0.00
23) Nitrobenzene-d5	8.492	82	439913	26.802	ng	0.00
42) 2,4,6-Tribromophenol	15.521	330	265067	39.017	ng	0.00
45) 2-Fluorobiphenyl	12.610	172	1034837	28.238	ng	0.00
79) Terphenyl-d14	19.439	244	1369670	23.962	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.510	77	826	Below Cal	#	1
31) Naphthalene	10.145	128	124471	2.798	ng	97
37) 2-Methylnaphthalene	11.775	142	101449	3.128	ng	97
38) 1-Methylnaphthalene	11.998	142	114002	3.554	ng	99
49) Acenaphthylene	13.721	152	426269	9.519	ng	98
52) Acenaphthene	14.069	154	347369	12.219	ng	100
55) Dibenzofuran	14.410	168	398876	8.711	ng	98
56) 4-Nitrophenol	14.410	139	136806	20.996	ng	# 11
58) Fluorene	15.068	166	577593	15.586	ng	100
71) Phenanthrene	16.815	178	4883393	92.462	ng	99
72) Anthracene	16.909	178	1700138	33.022	ng	100
73) Carbazole	17.192	167	470396	9.521	ng	98
75) Fluoranthene	18.856	202	7900097	127.391	ng	99
78) Pyrene	19.227	202	6893594	88.340	ng	99
81) Benzo(a)anthracene	21.003	228	3405705	51.329	ng	97
83) Chrysene	21.062	228	2939231	47.092	ng	97
87) Indeno(1,2,3-cd)pyrene	26.750	276	2140006	28.205	ng	# 95
88) Benzo(b)fluoranthene	22.886	252	4163866	58.885	ng	98
89) Benzo(k)fluoranthene	22.886	252	4163866	62.117	ng	97
90) Benzo(a)pyrene	23.603	252	3100136	50.697	ng	98
91) Dibenzo(a,h)anthracene	26.768	278	546586	8.893	ng	# 88
92) Benzo(g,h,i)perylene	27.691	276	2083669	32.608	ng	98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM083024\
Data File : BM047417.D
Acq On : 30 Aug 2024 22:18
Operator : RC/JU
Sample : P3788-01 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OR-02-082924

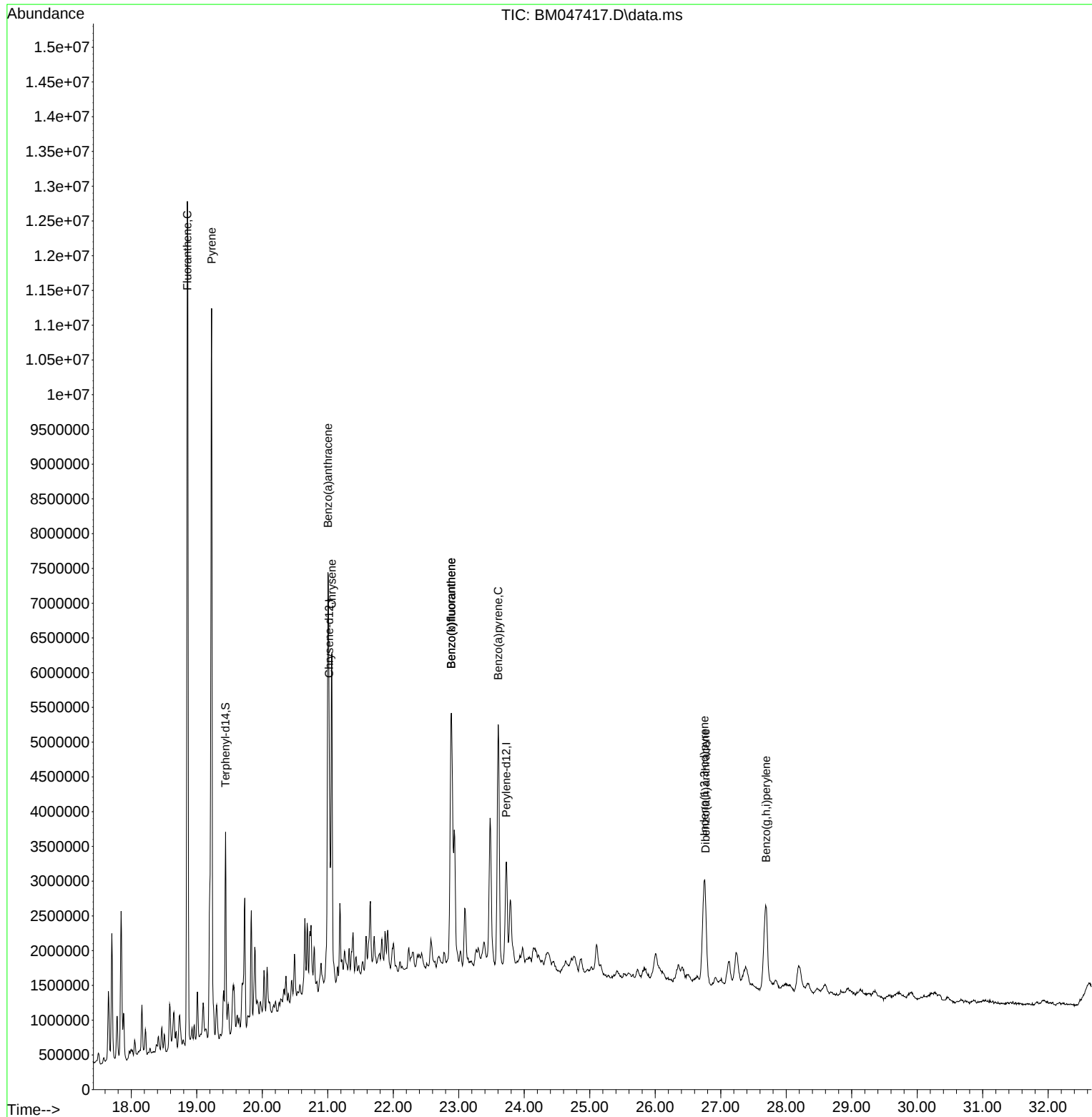
Quant Time: Aug 30 23:39:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 26 18:11:40 2024
Response via : Initial Calibration

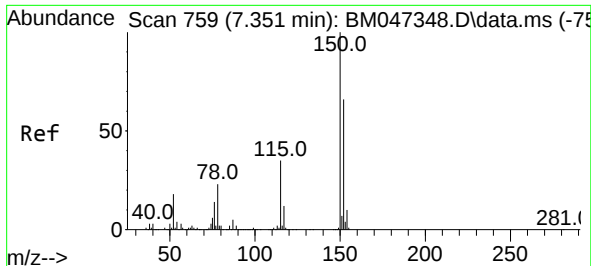


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM083024\
Data File : BM047417.D
Acq On : 30 Aug 2024 22:18
Operator : RC/JU
Sample : P3788-01 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OR-02-082924

Quant Time: Aug 30 23:39:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 26 18:11:40 2024
Response via : Initial Calibration

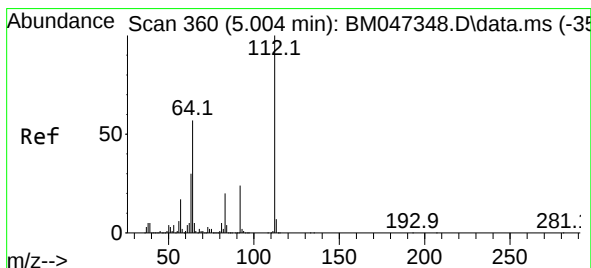
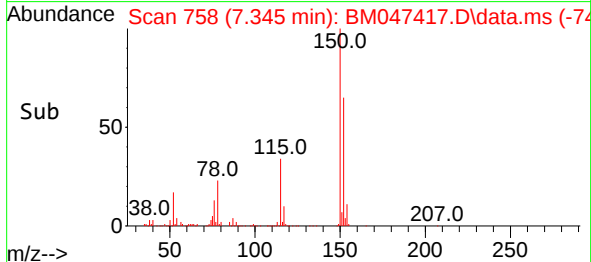
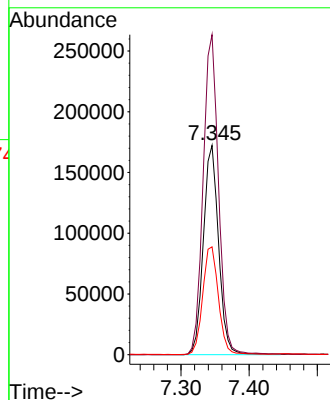
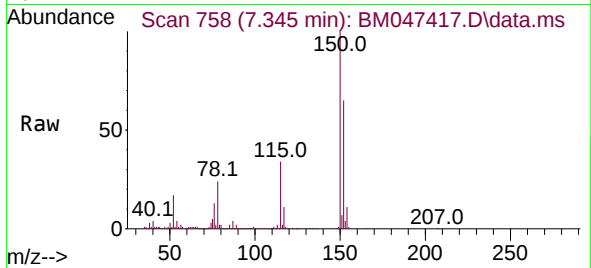




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.345 min Scan# 71
Delta R.T. -0.006 min
Lab File: BM047417.D
Acq: 30 Aug 2024 22:18

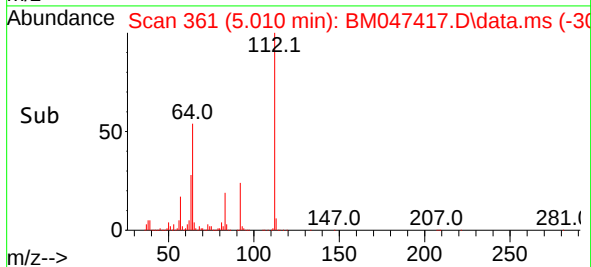
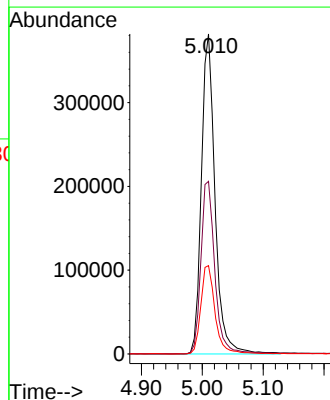
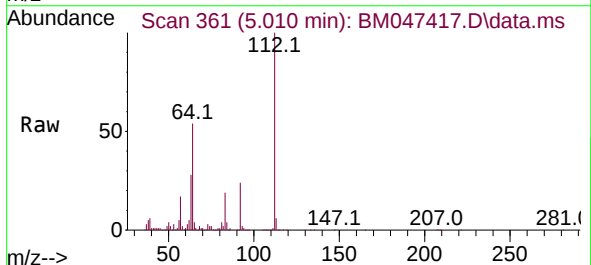
Instrument :
BNA_M
ClientSampleId :
OR-02-082924

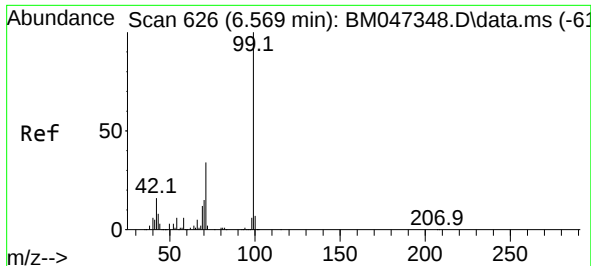
Tgt Ion:152 Resp: 268299
Ion Ratio Lower Upper
152 100
150 152.9 121.3 181.9
115 51.5 42.6 64.0



#5
2-Fluorophenol
Concen: 42.545 ng
RT: 5.010 min Scan# 361
Delta R.T. 0.006 min
Lab File: BM047417.D
Acq: 30 Aug 2024 22:18

Tgt Ion:112 Resp: 594961
Ion Ratio Lower Upper
112 100
64 53.9 45.7 68.5
63 27.6 23.8 35.8

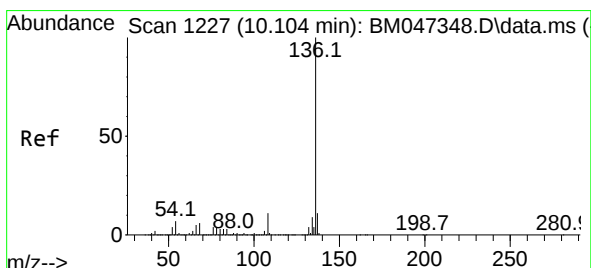
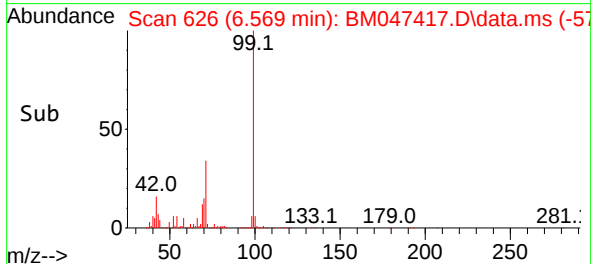
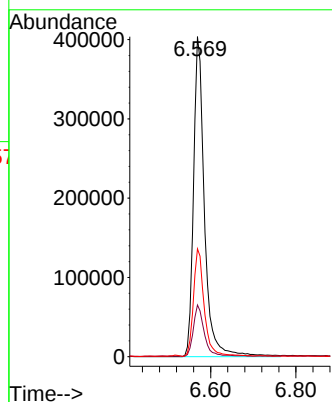
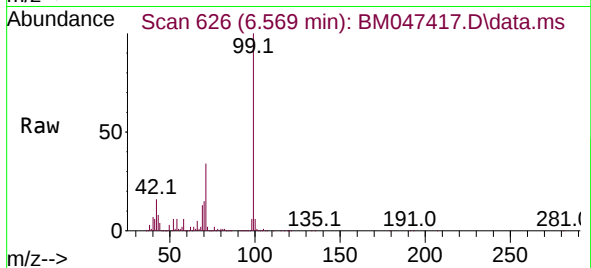




#7
Phenol-d6
Concen: 37.864 ng
RT: 6.569 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM047417.D
Acq: 30 Aug 2024 22:18

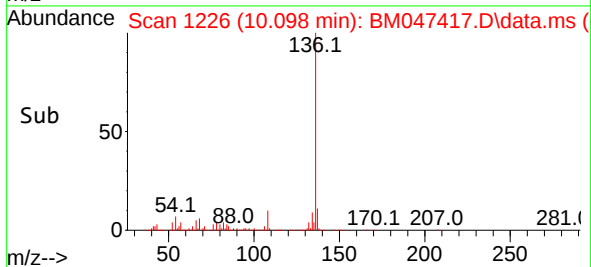
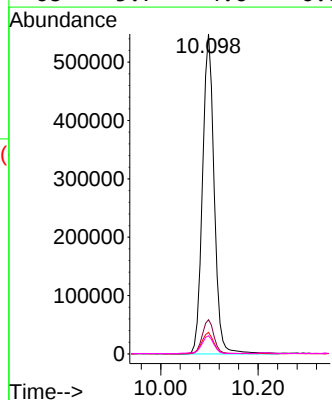
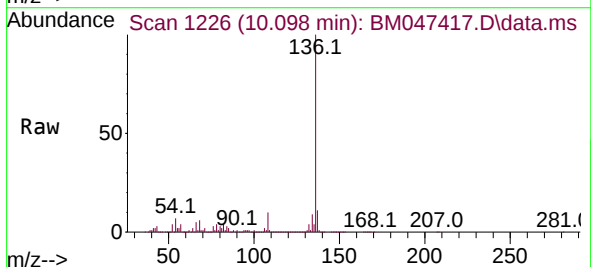
Instrument :
BNA_M
ClientSampleId :
OR-02-082924

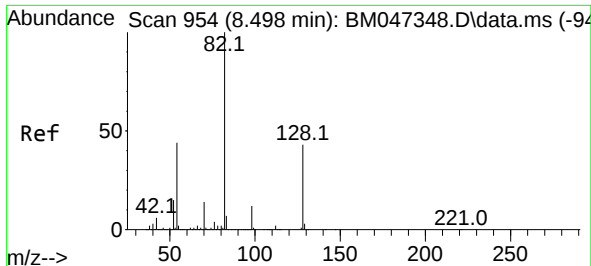
Tgt Ion: 99 Resp: 721325
Ion Ratio Lower Upper
99 100
42 16.2 13.0 19.4
71 33.7 27.5 41.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.098 min Scan# 1226
Delta R.T. -0.006 min
Lab File: BM047417.D
Acq: 30 Aug 2024 22:18

Tgt Ion: 136 Resp: 910699
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 6.7 5.2 7.8
68 5.7 4.6 6.8

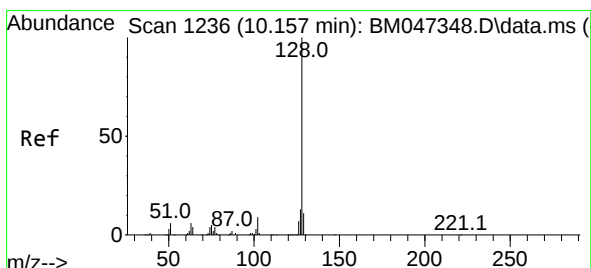
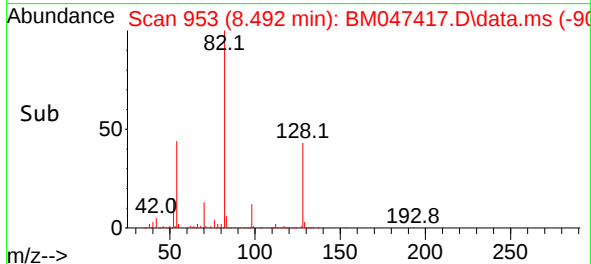
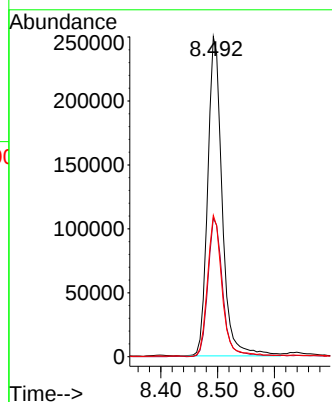
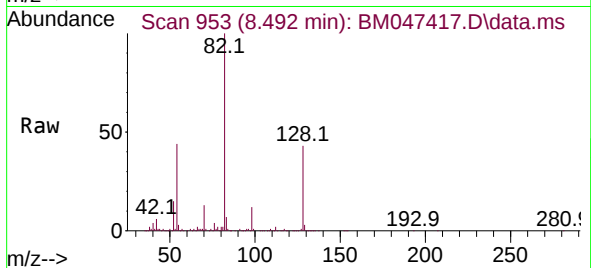




#23
Nitrobenzene-d5
Concen: 26.802 ng
RT: 8.492 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM047417.D
Acq: 30 Aug 2024 22:18

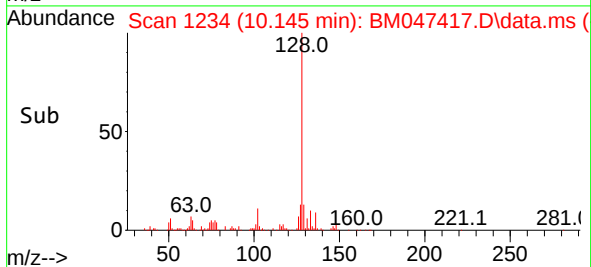
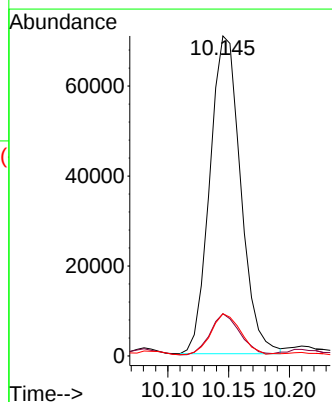
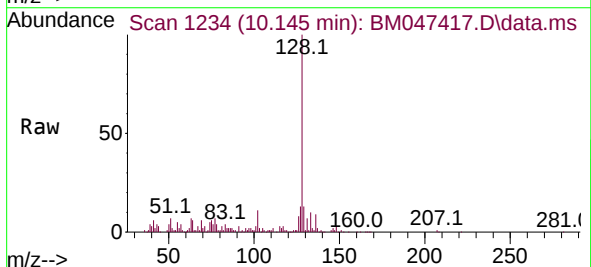
Instrument :
BNA_M
ClientSampleId :
OR-02-082924

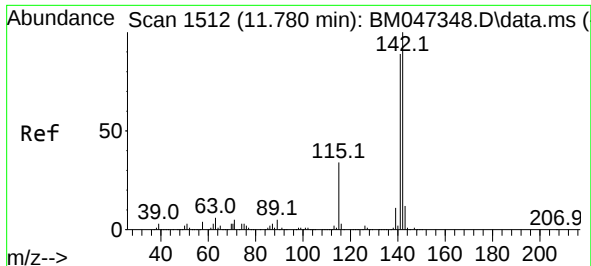
Tgt Ion: 82 Resp: 439913
Ion Ratio Lower Upper
82 100
128 43.2 34.6 51.8
54 44.2 35.5 53.3



#31
Naphthalene
Concen: 2.798 ng
RT: 10.145 min Scan# 1234
Delta R.T. -0.012 min
Lab File: BM047417.D
Acq: 30 Aug 2024 22:18

Tgt Ion: 128 Resp: 124471
Ion Ratio Lower Upper
128 100
129 13.2 9.0 13.6
127 13.2 10.4 15.6

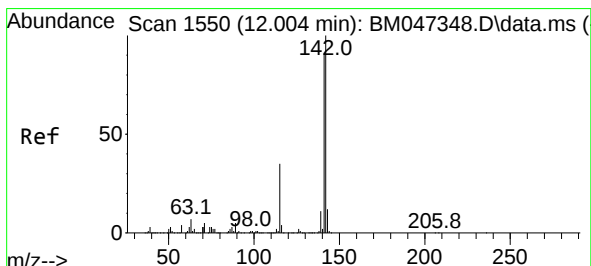
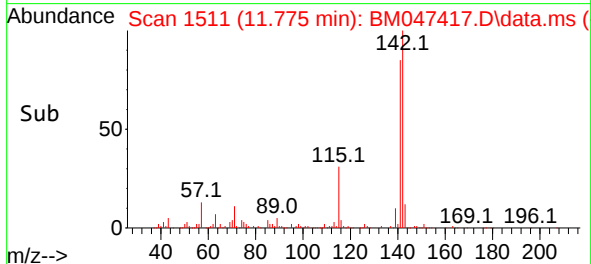
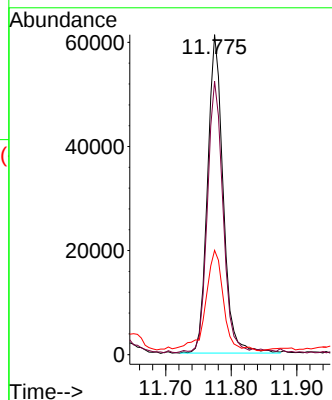
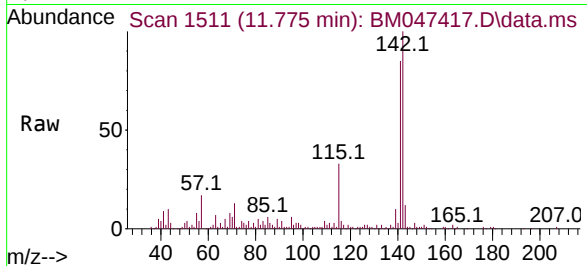




#37
2-Methylnaphthalene
Concen: 3.128 ng
RT: 11.775 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM047417.D
Acq: 30 Aug 2024 22:18

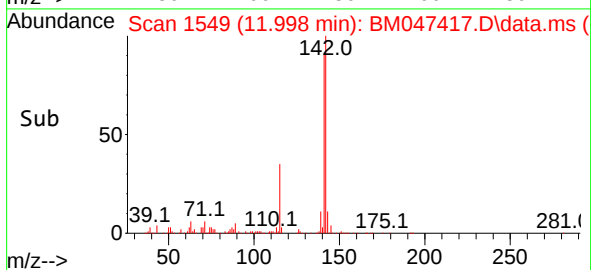
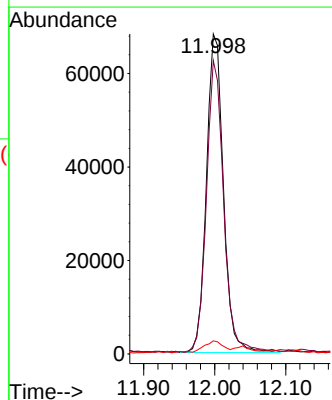
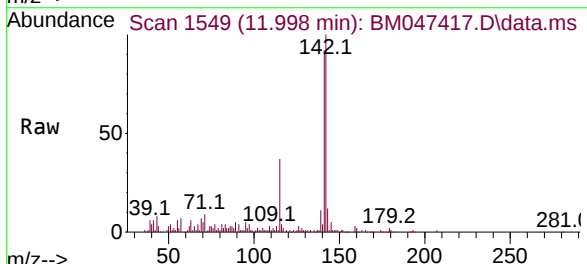
Instrument :
BNA_M
ClientSampleId :
OR-02-082924

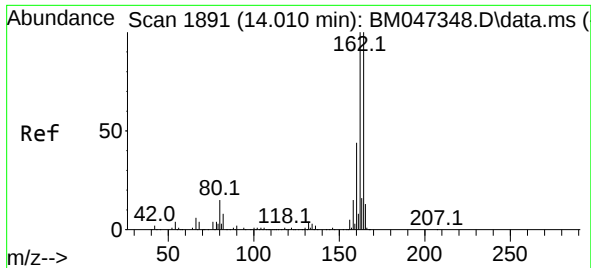
Tgt Ion:142 Resp: 101449
Ion Ratio Lower Upper
142 100
141 85.5 70.8 106.2
115 32.6 27.5 41.3



#38
1-Methylnaphthalene
Concen: 3.554 ng
RT: 11.998 min Scan# 1549
Delta R.T. -0.006 min
Lab File: BM047417.D
Acq: 30 Aug 2024 22:18

Tgt Ion:142 Resp: 114002
Ion Ratio Lower Upper
142 100
141 91.7 72.9 109.3
116 4.1 3.0 4.6

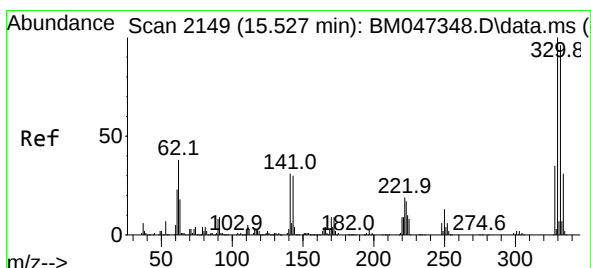
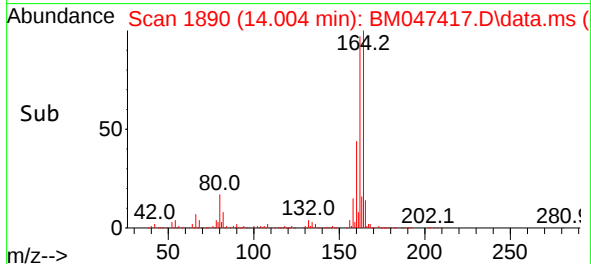
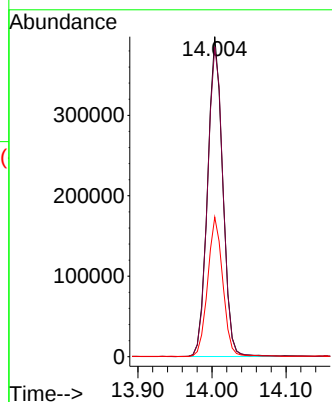
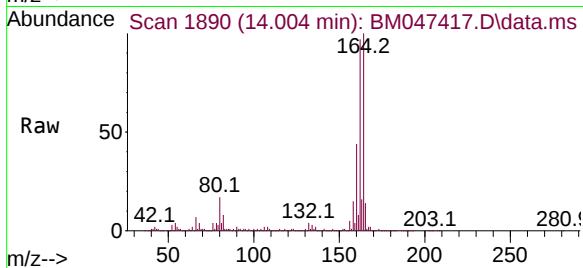




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.004 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM047417.D
Acq: 30 Aug 2024 22:18

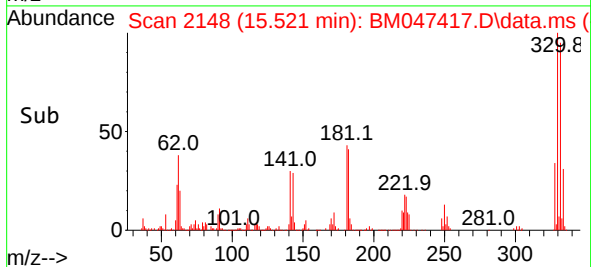
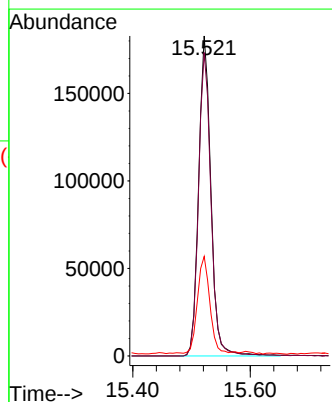
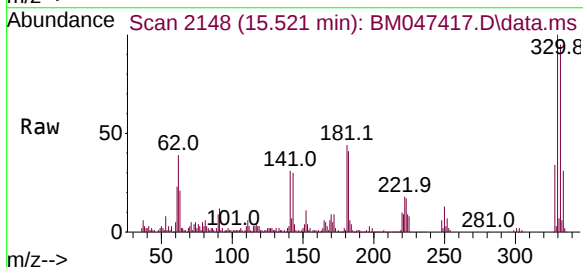
Instrument :
BNA_M
ClientSampleId :
OR-02-082924

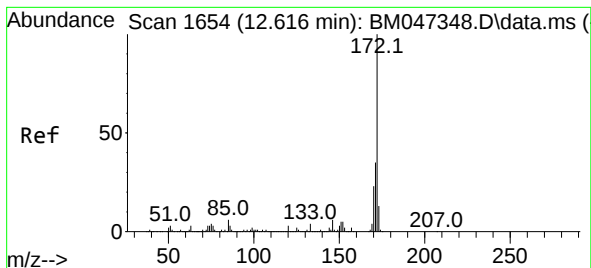
Tgt Ion:164 Resp: 563090
Ion Ratio Lower Upper
164 100
162 96.9 79.7 119.5
160 43.6 34.9 52.3



#42
2,4,6-Tribromophenol
Concen: 39.017 ng
RT: 15.521 min Scan# 2148
Delta R.T. -0.006 min
Lab File: BM047417.D
Acq: 30 Aug 2024 22:18

Tgt Ion:330 Resp: 265067
Ion Ratio Lower Upper
330 100
332 96.4 77.2 115.8
141 30.8 27.6 41.4





#45

2-Fluorobiphenyl

Concen: 28.238 ng

RT: 12.610 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM047417.D

Acq: 30 Aug 2024 22:18

Instrument :

BNA_M

ClientSampleId :

OR-02-082924

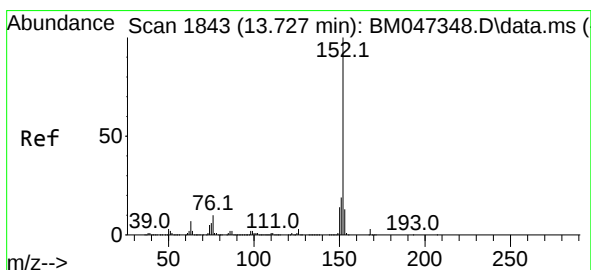
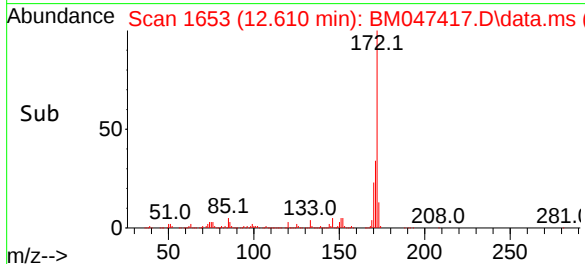
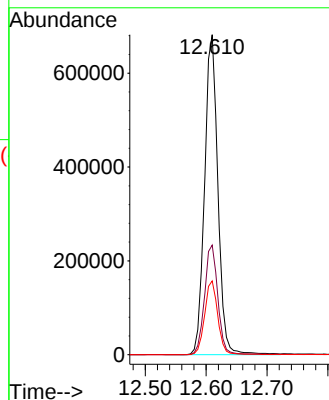
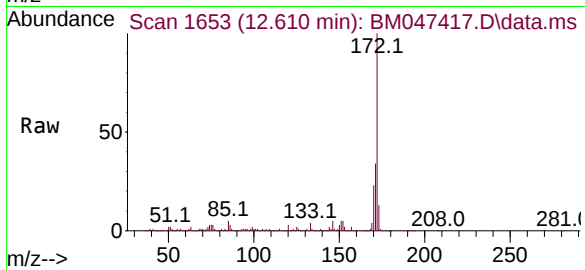
Tgt Ion:172 Resp: 1034837

Ion Ratio Lower Upper

172 100

171 34.3 27.8 41.6

170 23.1 18.5 27.7



#49

Acenaphthylene

Concen: 9.519 ng

RT: 13.721 min Scan# 1842

Delta R.T. -0.006 min

Lab File: BM047417.D

Acq: 30 Aug 2024 22:18

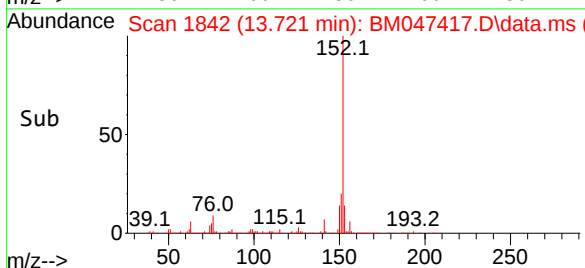
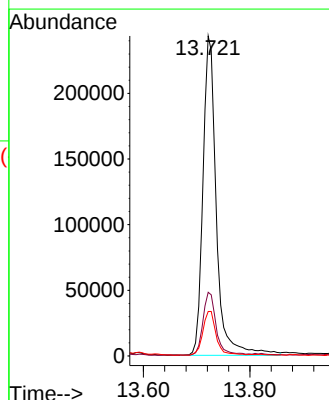
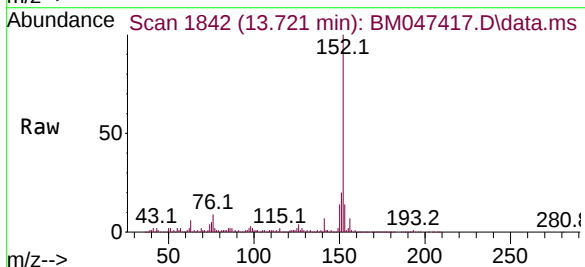
Tgt Ion:152 Resp: 426269

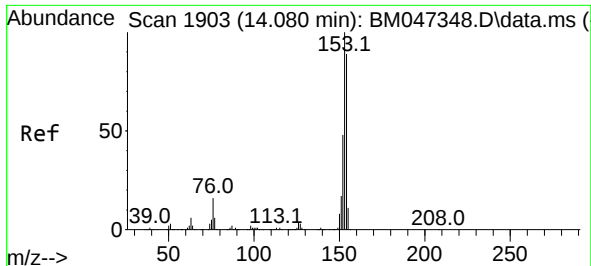
Ion Ratio Lower Upper

152 100

151 19.9 15.4 23.0

153 13.9 10.6 15.8

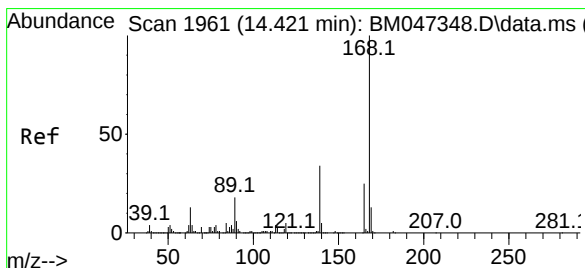
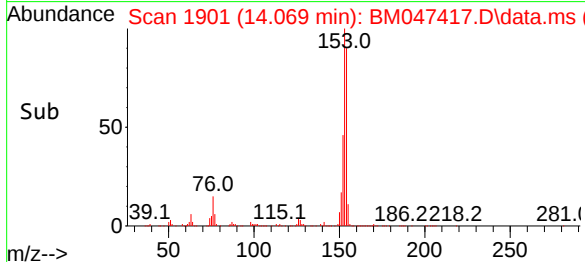
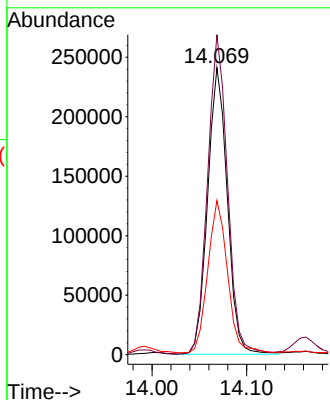
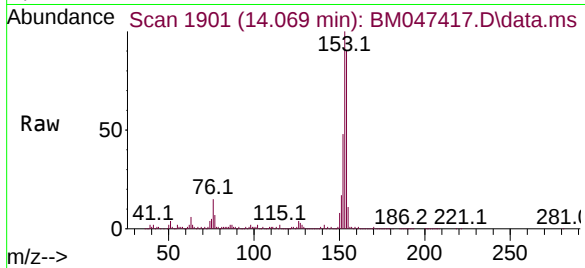




#52
Acenaphthene
Concen: 12.219 ng
RT: 14.069 min Scan# 1903
Delta R.T. -0.012 min
Lab File: BM047417.D
Acq: 30 Aug 2024 22:18

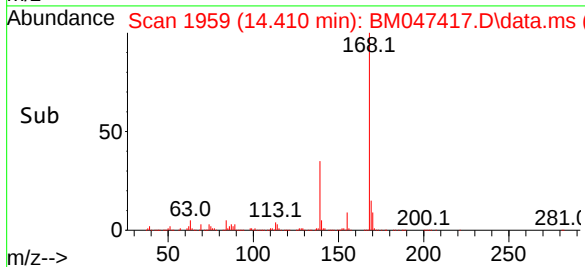
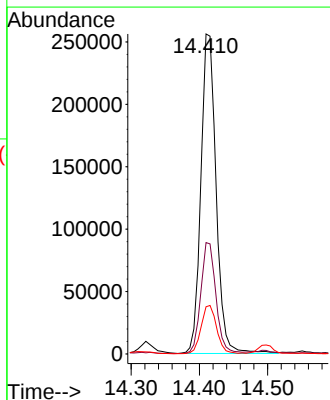
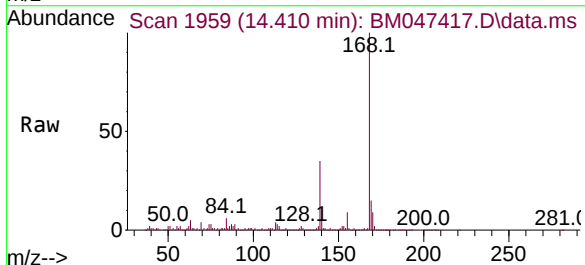
Instrument :
BNA_M
ClientSampleId :
OR-02-082924

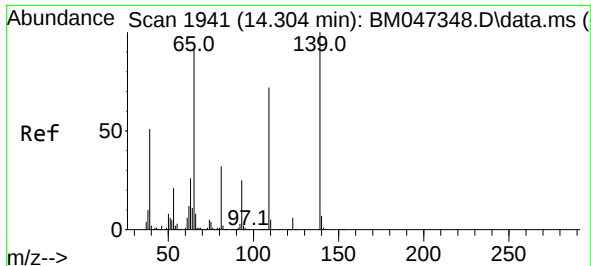
Tgt Ion:154 Resp: 347369
Ion Ratio Lower Upper
154 100
153 111.5 89.5 134.3
152 53.7 43.0 64.4



#55
Dibenzofuran
Concen: 8.711 ng
RT: 14.410 min Scan# 1959
Delta R.T. -0.012 min
Lab File: BM047417.D
Acq: 30 Aug 2024 22:18

Tgt Ion:168 Resp: 398876
Ion Ratio Lower Upper
168 100
139 34.8 27.5 41.3
169 14.8 10.5 15.7

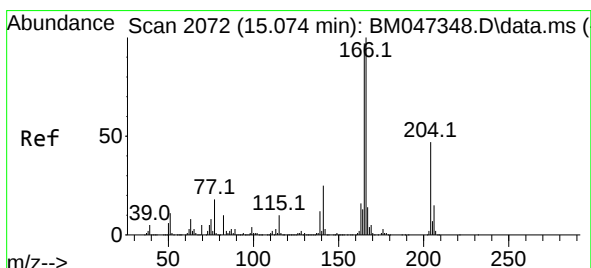
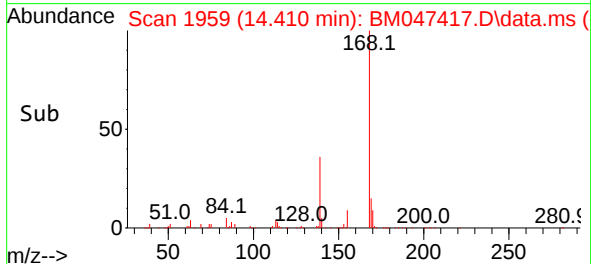
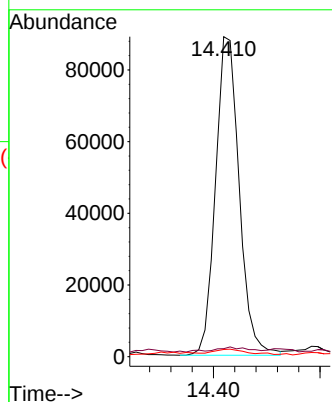
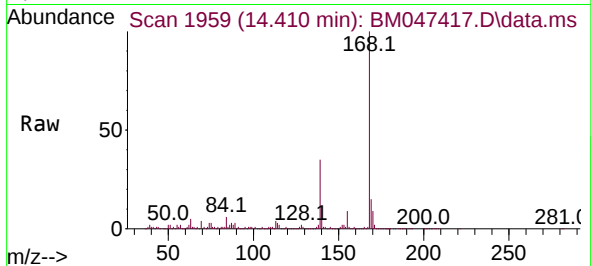




#56
4-Nitrophenol
Concen: 20.996 ng
RT: 14.410 min Scan# 1941
Delta R.T. 0.106 min
Lab File: BM047417.D
Acq: 30 Aug 2024 22:18

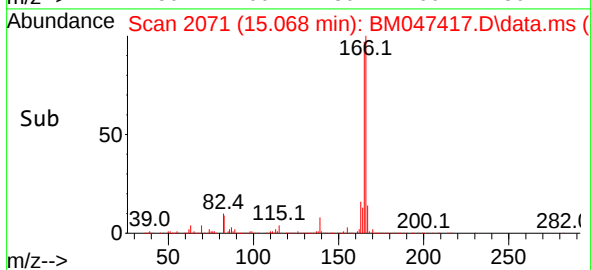
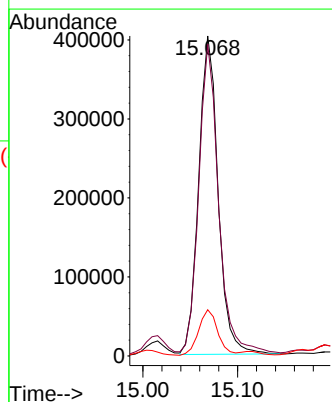
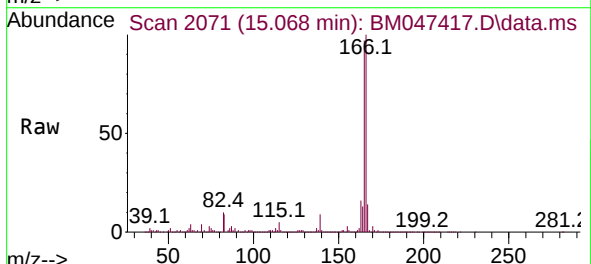
Instrument :
BNA_M
ClientSampleId :
OR-02-082924

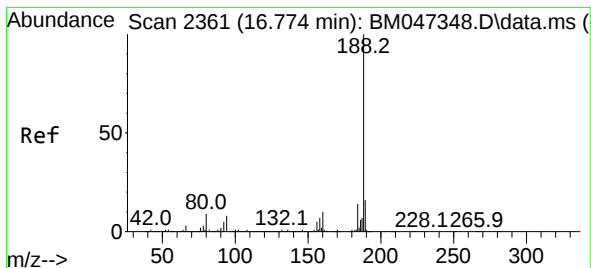
Tgt Ion:139 Resp: 136806
Ion Ratio Lower Upper
139 100
109 2.5 51.6 91.6#
65 2.3 71.7 111.7#



#58
Fluorene
Concen: 15.586 ng
RT: 15.068 min Scan# 2071
Delta R.T. -0.006 min
Lab File: BM047417.D
Acq: 30 Aug 2024 22:18

Tgt Ion:166 Resp: 577593
Ion Ratio Lower Upper
166 100
165 97.5 77.8 116.6
167 14.5 11.1 16.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.774 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM047417.D

Acq: 30 Aug 2024 22:18

Instrument :

BNA_M

ClientSampleId :

OR-02-082924

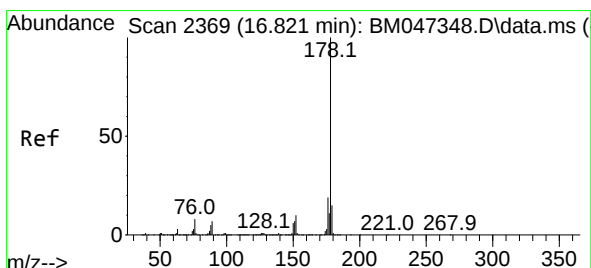
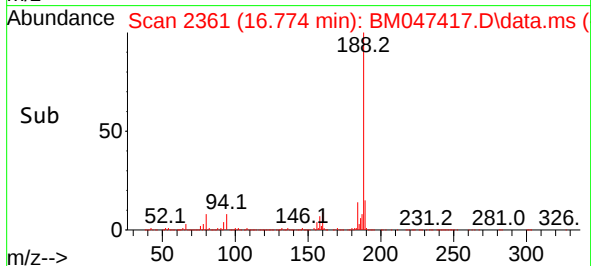
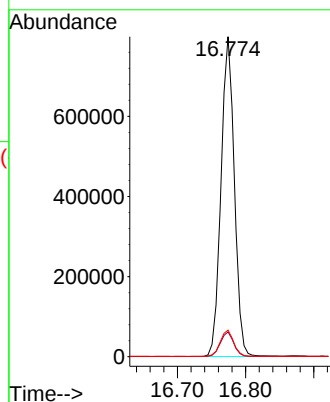
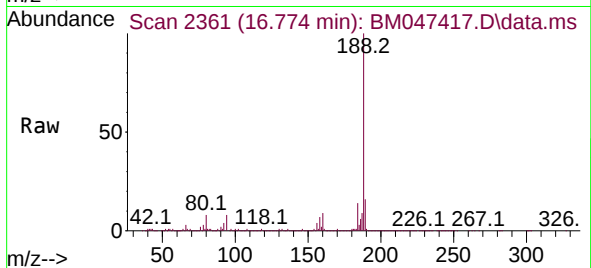
Tgt Ion:188 Resp: 1087522

Ion Ratio Lower Upper

188 100

94 7.7 6.4 9.6

80 8.3 7.4 11.2



#71

Phenanthrene

Concen: 92.462 ng

RT: 16.815 min Scan# 2368

Delta R.T. -0.006 min

Lab File: BM047417.D

Acq: 30 Aug 2024 22:18

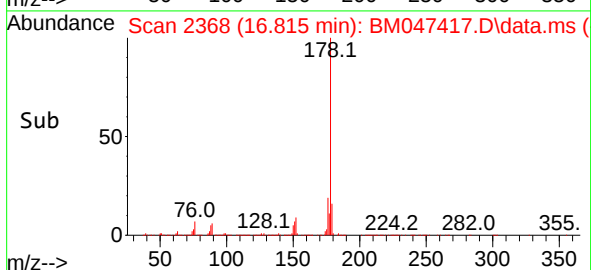
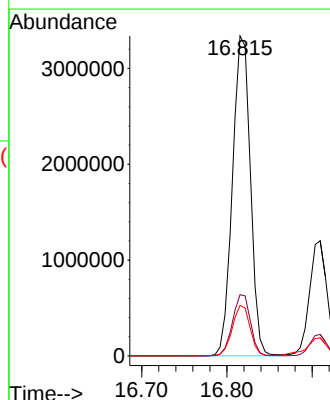
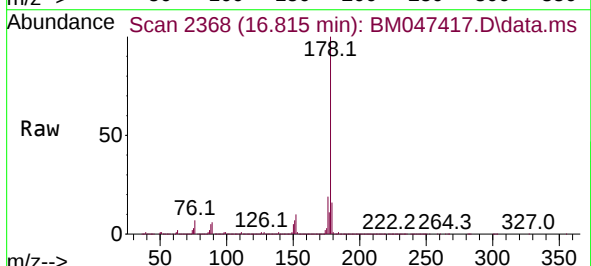
Tgt Ion:178 Resp: 4883393

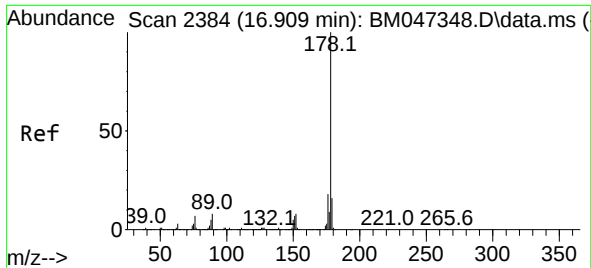
Ion Ratio Lower Upper

178 100

176 19.2 15.2 22.8

179 15.8 12.2 18.4

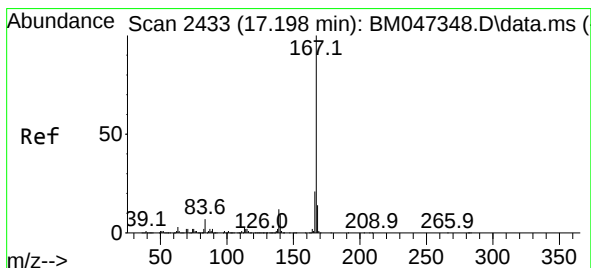
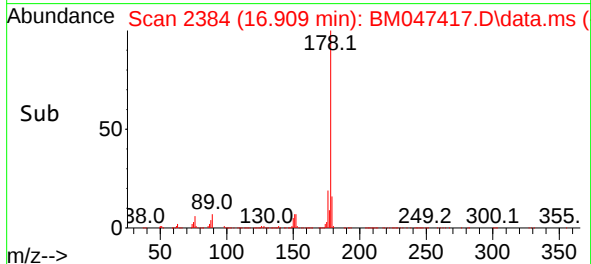
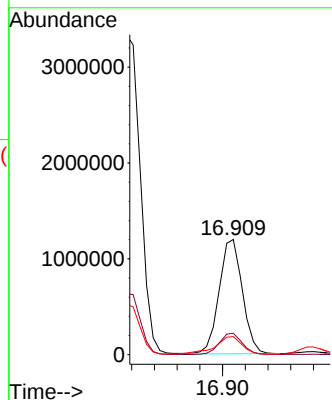
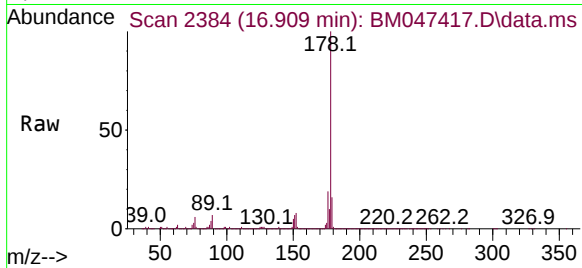




#72
 Anthracene
 Concen: 33.022 ng
 RT: 16.909 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BM047417.D
 Acq: 30 Aug 2024 22:18

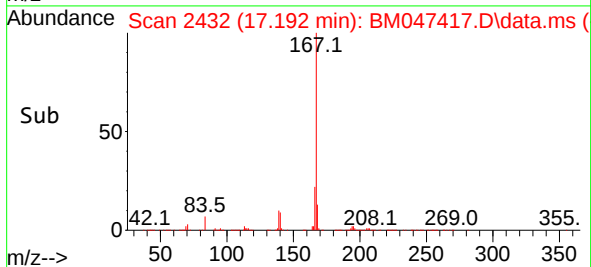
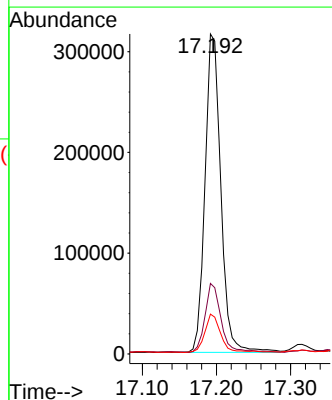
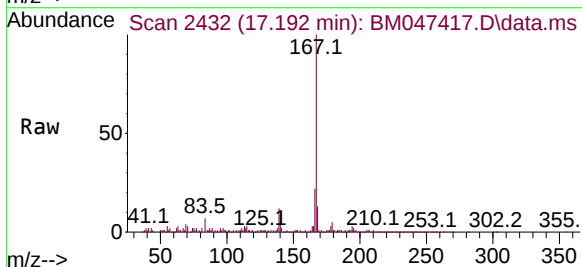
Instrument :
 BNA_M
 ClientSampleId :
 OR-02-082924

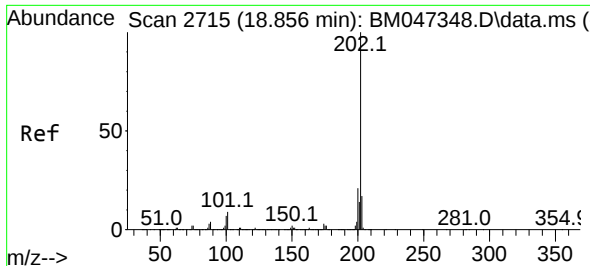
Tgt Ion:178 Resp: 1700138
 Ion Ratio Lower Upper
 178 100
 176 18.6 14.7 22.1
 179 15.7 12.6 18.8



#73
 Carbazole
 Concen: 9.521 ng
 RT: 17.192 min Scan# 2432
 Delta R.T. -0.006 min
 Lab File: BM047417.D
 Acq: 30 Aug 2024 22:18

Tgt Ion:167 Resp: 470396
 Ion Ratio Lower Upper
 167 100
 166 22.0 16.9 25.3
 139 12.5 9.5 14.3

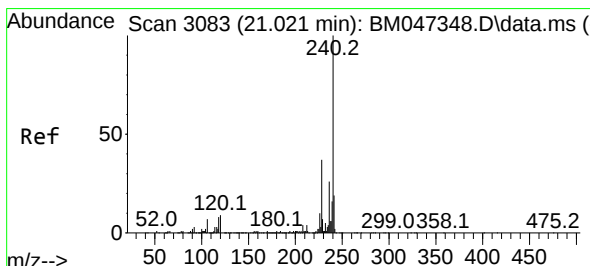
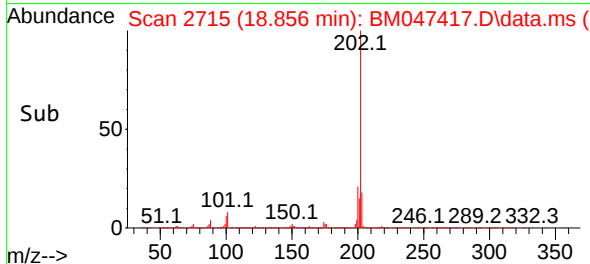
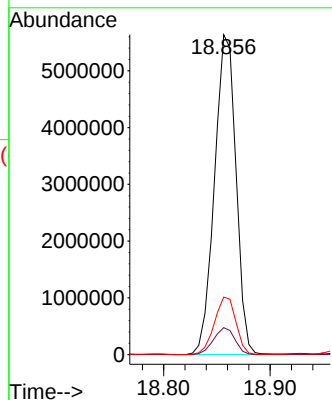
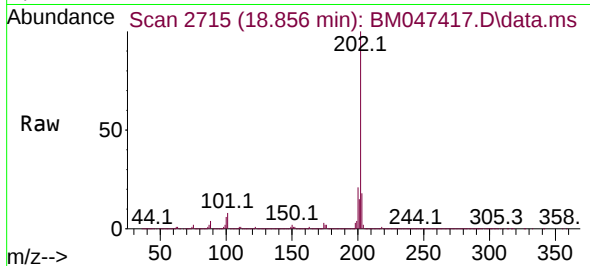




#75
Fluoranthene
Concen: 127.391 ng
RT: 18.856 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM047417.D
Acq: 30 Aug 2024 22:18

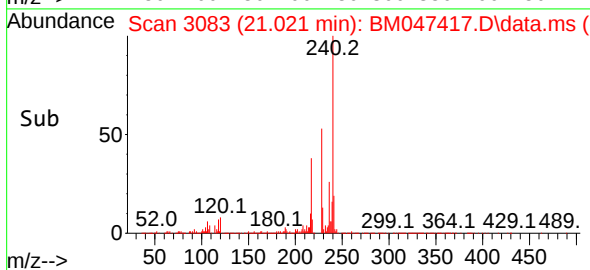
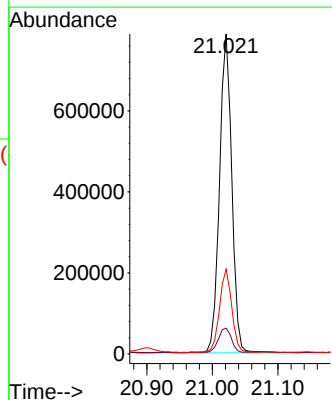
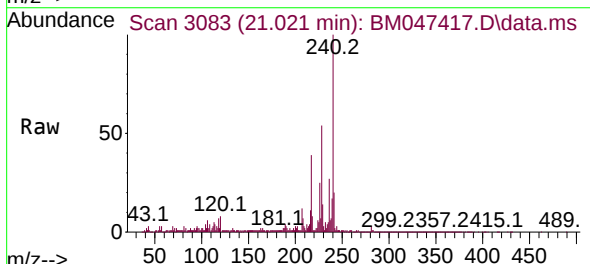
Instrument :
BNA_M
ClientSampleId :
OR-02-082924

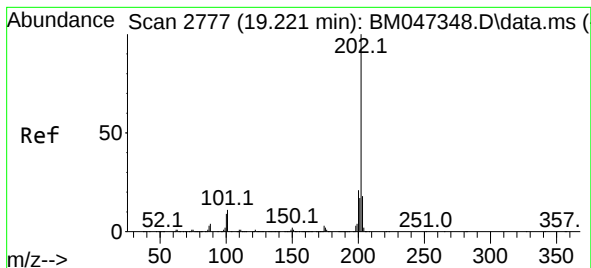
Tgt Ion:202 Resp: 7900097
Ion Ratio Lower Upper
202 100
101 8.5 0.0 29.0
203 18.0 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.021 min Scan# 3083
Delta R.T. 0.000 min
Lab File: BM047417.D
Acq: 30 Aug 2024 22:18

Tgt Ion:240 Resp: 1017443
Ion Ratio Lower Upper
240 100
120 8.1 7.4 11.0
236 26.5 20.8 31.2





#78

Pyrene

Concen: 88.340 ng

RT: 19.227 min Scan# 21

Delta R.T. 0.006 min

Lab File: BM047417.D

Acq: 30 Aug 2024 22:18

Instrument :

BNA_M

ClientSampleId :

OR-02-082924

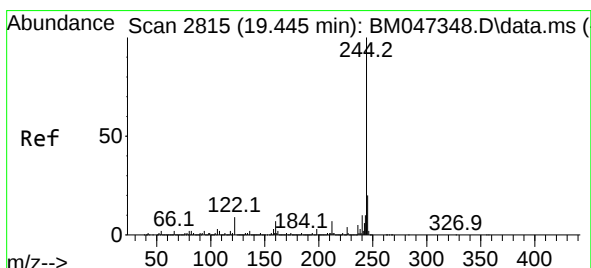
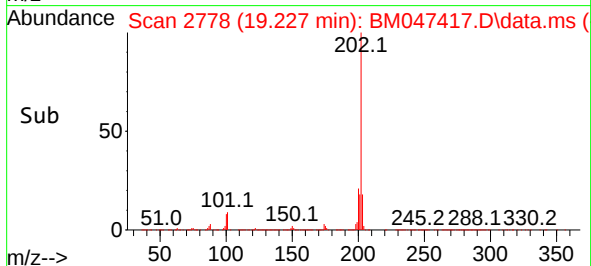
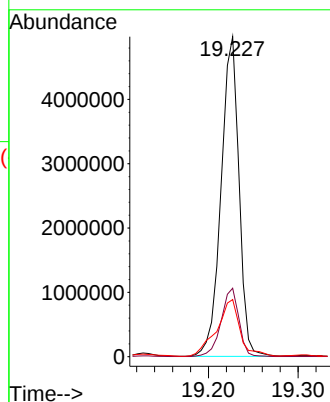
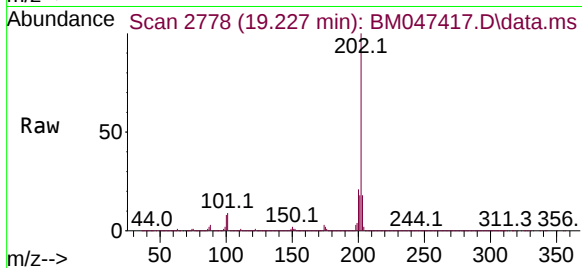
Tgt Ion:202 Resp: 6893594

Ion Ratio Lower Upper

202 100

200 21.4 16.7 25.1

203 17.9 14.2 21.4



#79

Terphenyl-d14

Concen: 23.962 ng

RT: 19.439 min Scan# 2814

Delta R.T. -0.006 min

Lab File: BM047417.D

Acq: 30 Aug 2024 22:18

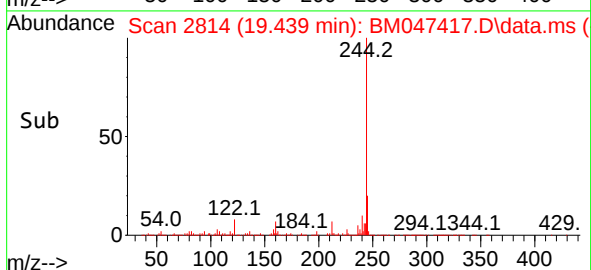
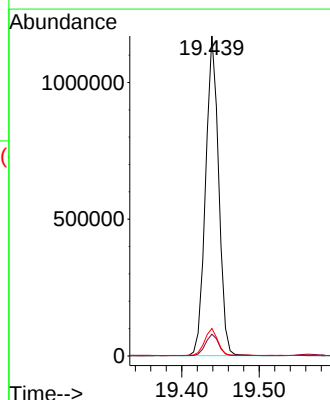
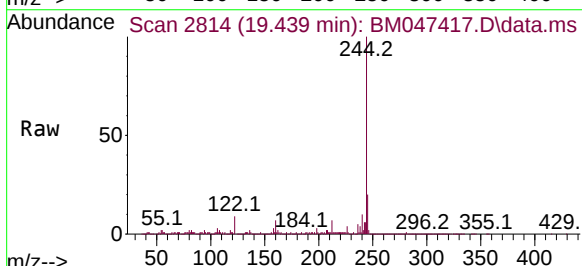
Tgt Ion:244 Resp: 1369670

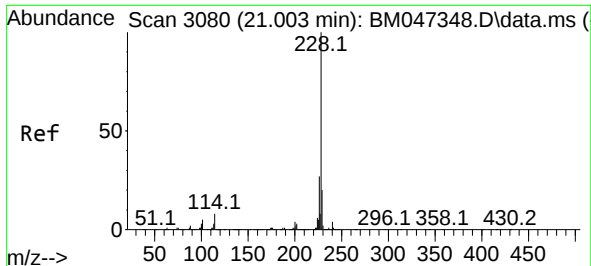
Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

122 8.6 7.0 10.4

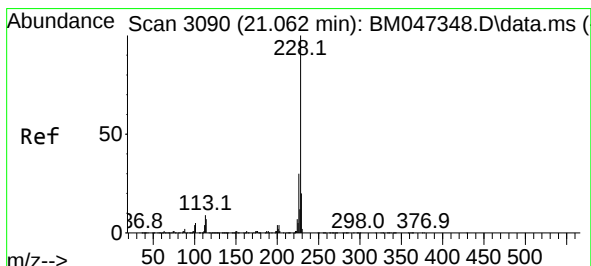
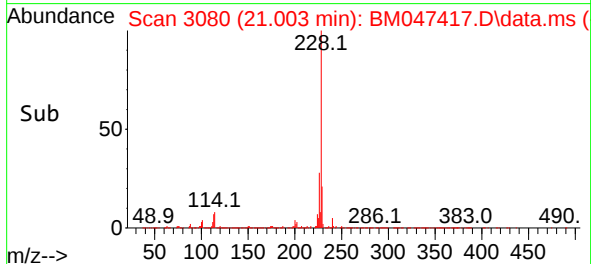
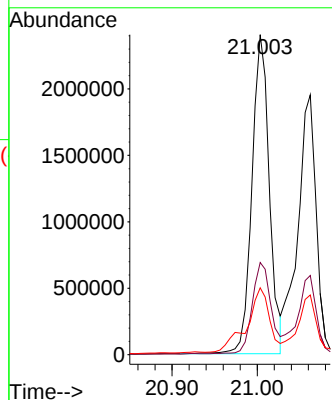
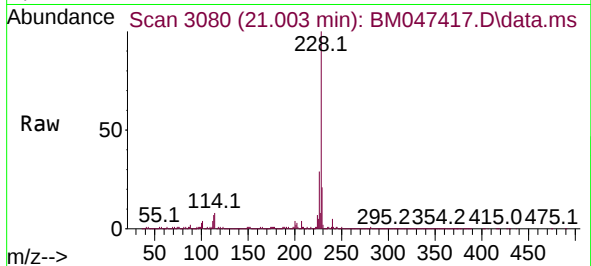




#81
Benzo(a)anthracene
Concen: 51.329 ng
RT: 21.003 min Scan# 3080
Delta R.T. 0.000 min
Lab File: BM047417.D
Acq: 30 Aug 2024 22:18

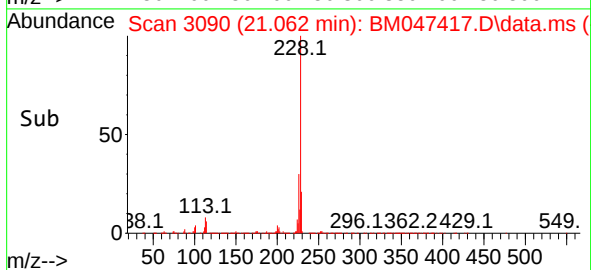
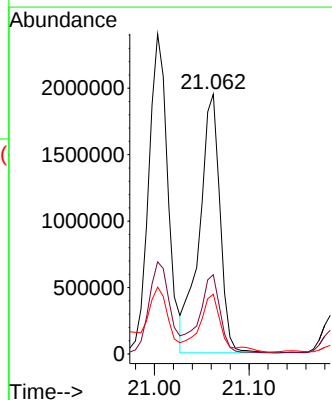
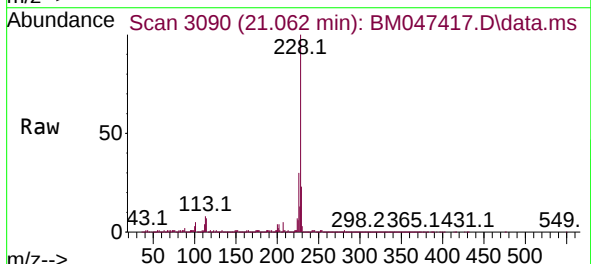
Instrument :
BNA_M
ClientSampleId :
OR-02-082924

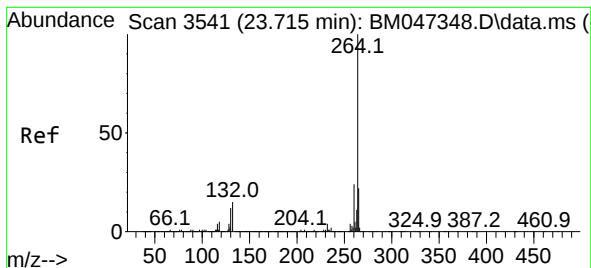
Tgt Ion:228 Resp: 3405705
Ion Ratio Lower Upper
228 100
226 28.8 21.4 32.0
229 20.9 15.8 23.8



#83
Chrysene
Concen: 47.092 ng
RT: 21.062 min Scan# 3090
Delta R.T. 0.000 min
Lab File: BM047417.D
Acq: 30 Aug 2024 22:18

Tgt Ion:228 Resp: 2939231
Ion Ratio Lower Upper
228 100
226 30.5 24.0 36.0
229 23.0 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.727 min Scan# 3

Delta R.T. 0.012 min

Lab File: BM047417.D

Acq: 30 Aug 2024 22:18

Instrument :

BNA_M

ClientSampleId :

OR-02-082924

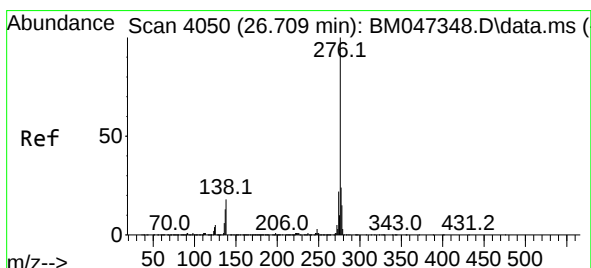
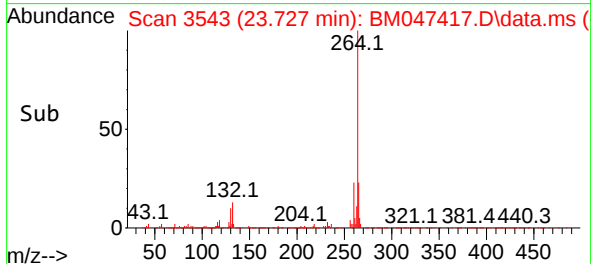
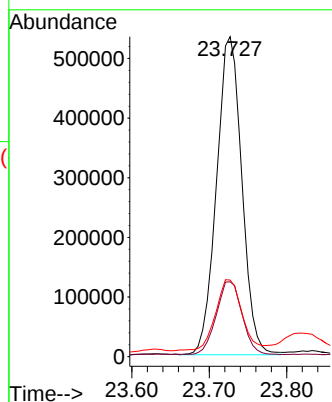
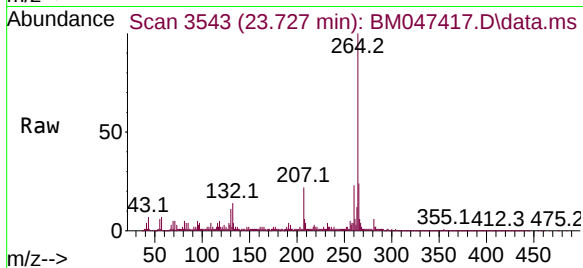
Tgt Ion:264 Resp: 1212021

Ion Ratio Lower Upper

264 100

260 23.4 19.0 28.4

265 24.0 17.8 26.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 28.205 ng

RT: 26.750 min Scan# 4057

Delta R.T. 0.041 min

Lab File: BM047417.D

Acq: 30 Aug 2024 22:18

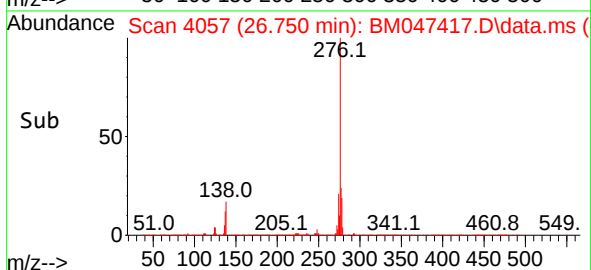
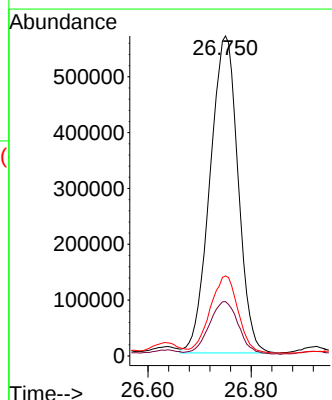
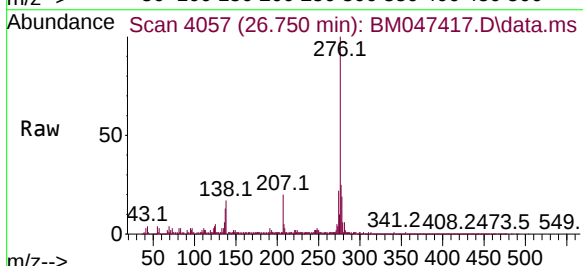
Tgt Ion:276 Resp: 2140006

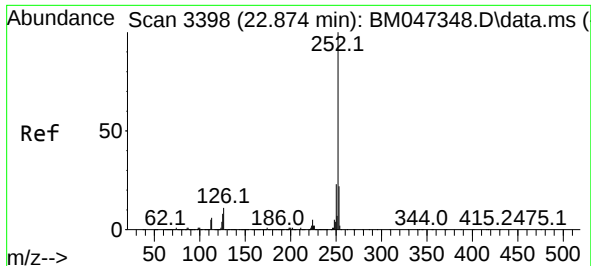
Ion Ratio Lower Upper

276 100

138 17.5 17.7 26.5#

277 24.3 20.0 30.0

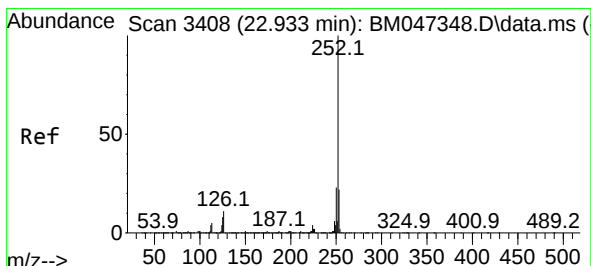
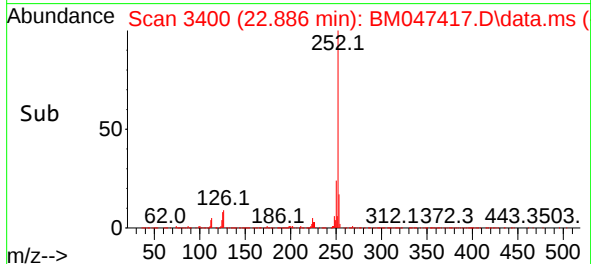
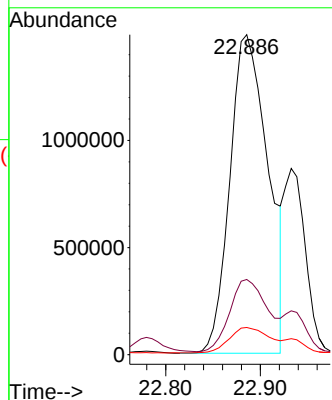
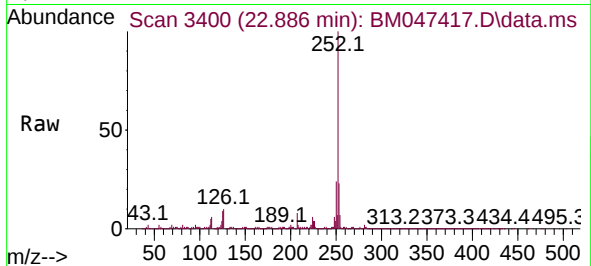




#88
Benzo(b)fluoranthene
Concen: 58.885 ng
RT: 22.886 min Scan# 3400
Delta R.T. 0.012 min
Lab File: BM047417.D
Acq: 30 Aug 2024 22:18

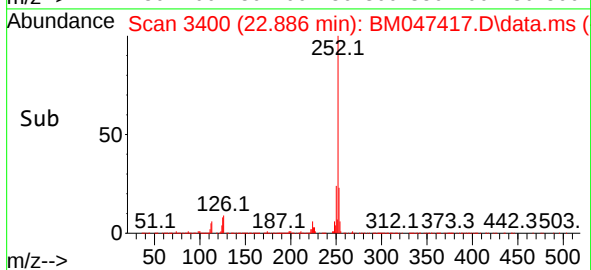
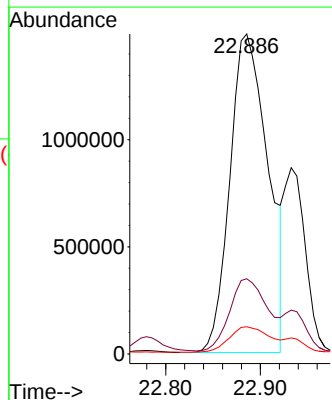
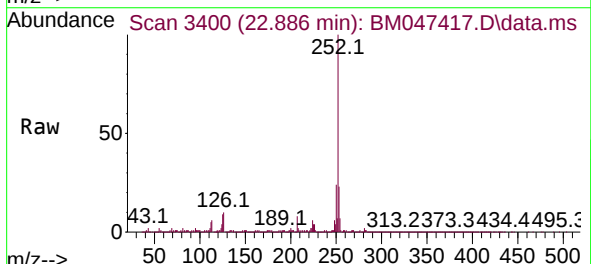
Instrument :
BNA_M
ClientSampleId :
OR-02-082924

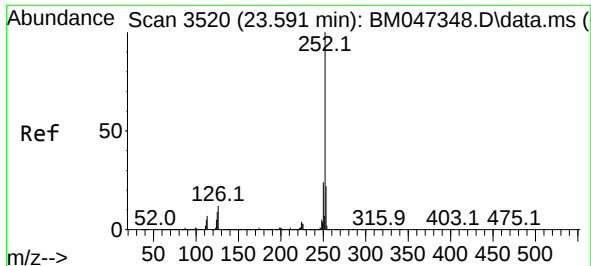
Tgt Ion:252 Resp: 4163866
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.6
125 8.5 6.6 10.0



#89
Benzo(k)fluoranthene
Concen: 62.117 ng
RT: 22.886 min Scan# 3400
Delta R.T. -0.047 min
Lab File: BM047417.D
Acq: 30 Aug 2024 22:18

Tgt Ion:252 Resp: 4163866
Ion Ratio Lower Upper
252 100
253 23.5 17.5 26.3
125 8.5 6.6 9.8

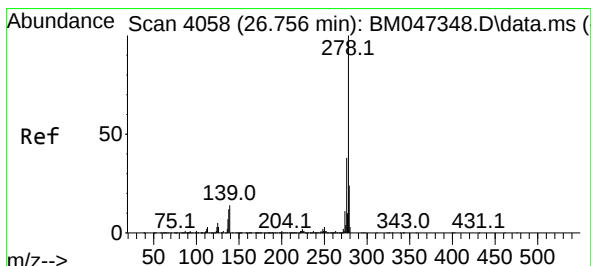
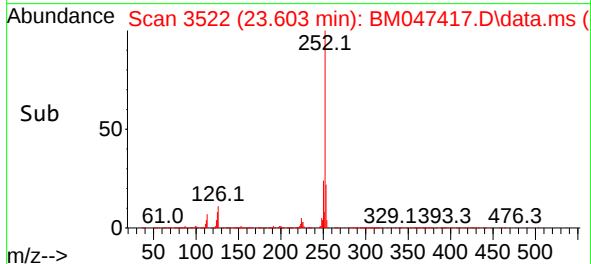
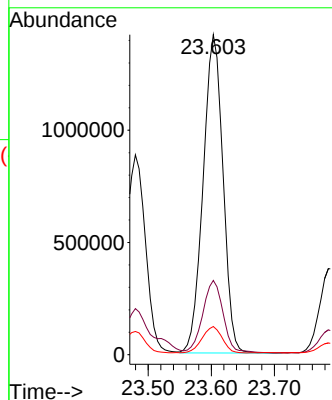
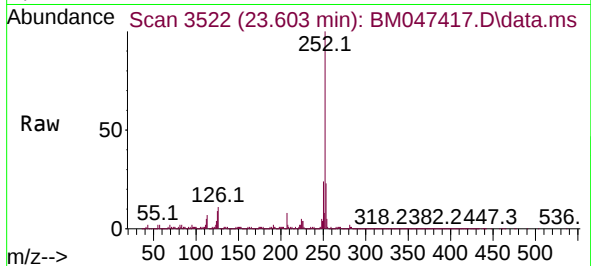




#90
Benzo(a)pyrene
Concen: 50.697 ng
RT: 23.603 min Scan# 31
Delta R.T. 0.012 min
Lab File: BM047417.D
Acq: 30 Aug 2024 22:18

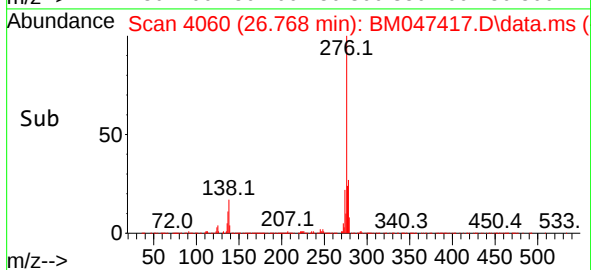
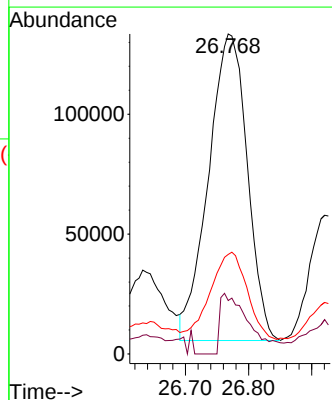
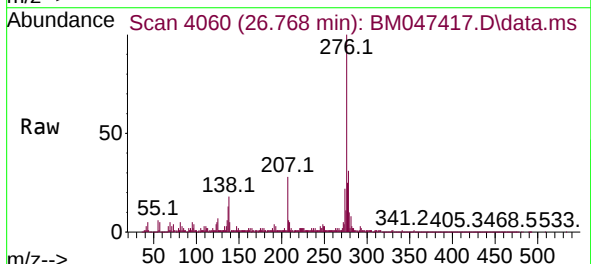
Instrument :
BNA_M
ClientSampleId :
OR-02-082924

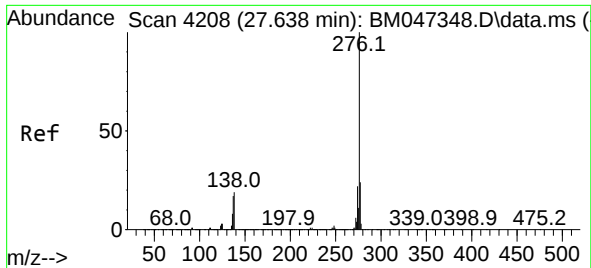
Tgt Ion:252 Resp: 3100136
Ion Ratio Lower Upper
252 100
253 23.2 17.7 26.5
125 8.8 7.4 11.2



#91
Dibenzo(a,h)anthracene
Concen: 8.893 ng
RT: 26.768 min Scan# 4060
Delta R.T. 0.012 min
Lab File: BM047417.D
Acq: 30 Aug 2024 22:18

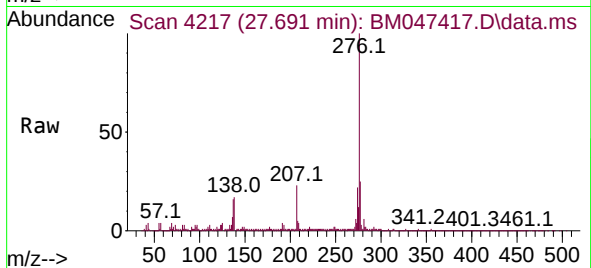
Tgt Ion:278 Resp: 546586
Ion Ratio Lower Upper
278 100
139 16.7 11.1 16.7#
279 31.1 19.2 28.8#





#92
Benzo(g,h,i)perylene
Concen: 32.608 ng
RT: 27.691 min Scan# 41
Delta R.T. 0.053 min
Lab File: BM047417.D
Acq: 30 Aug 2024 22:18

Instrument :
BNA_M
ClientSampleId :
OR-02-082924



Tgt Ion:276 Resp: 2083669
Ion Ratio Lower Upper
276 100
277 24.5 19.4 29.0
138 17.3 15.0 22.6

