

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM090424\
 Data File : BM047443.D
 Acq On : 04 Sep 2024 18:02
 Operator : RC/JU
 Sample : P3750-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 346

Quant Time: Sep 05 01:53:08 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)

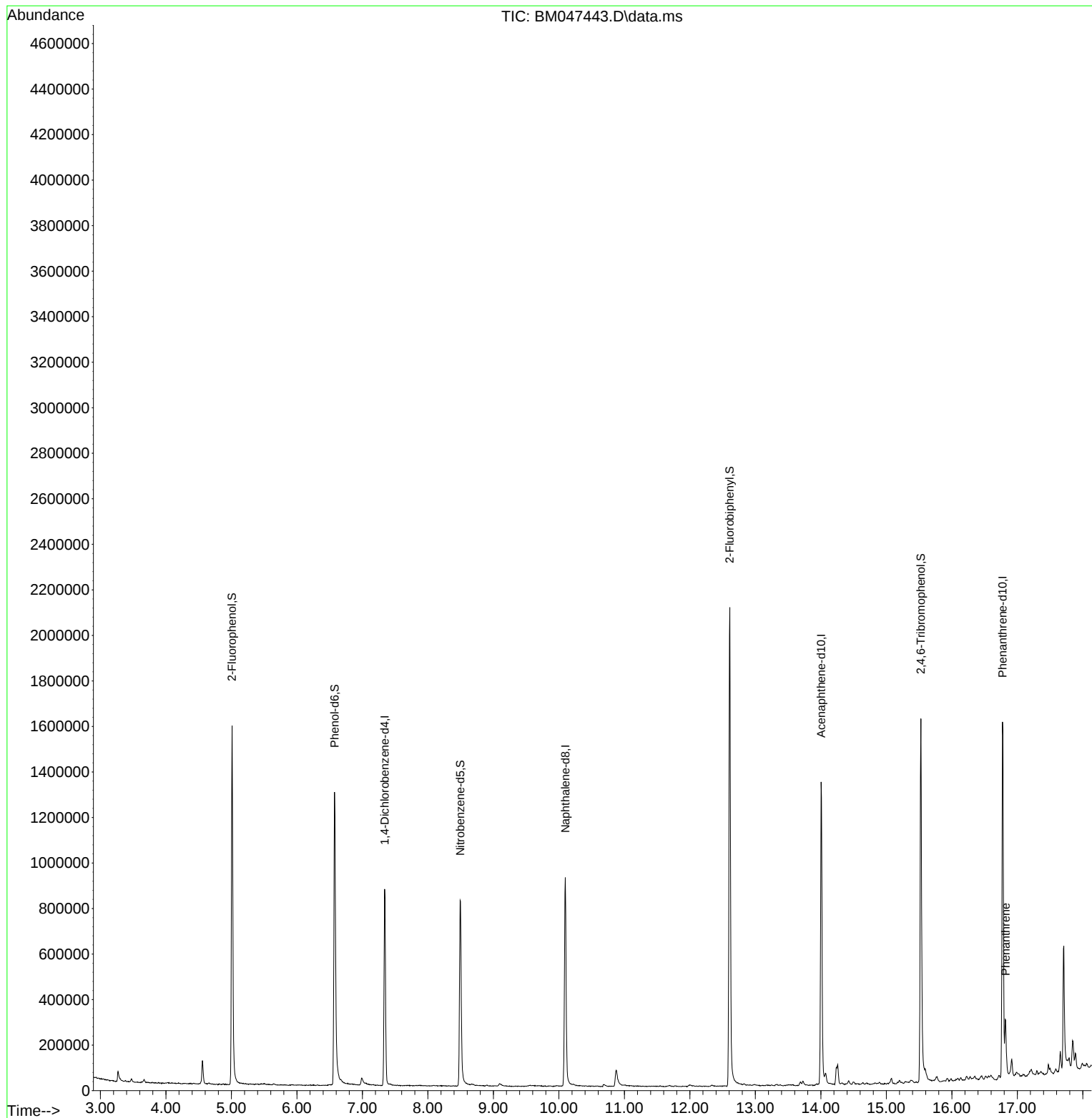
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.339	152	256154	20.000	ng	-0.01
21) Naphthalene-d8	10.098	136	853340	20.000	ng	0.00
39) Acenaphthene-d10	14.004	164	534747	20.000	ng	0.00
64) Phenanthrene-d10	16.774	188	1059192	20.000	ng	0.00
76) Chrysene-d12	21.021	240	1017256	20.000	ng	0.00
86) Perylene-d12	23.727	264	1197681	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.010	112	747441	55.982	ng	0.00
7) Phenol-d6	6.575	99	929816	51.122	ng	0.00
23) Nitrobenzene-d5	8.492	82	566185	36.814	ng	0.00
42) 2,4,6-Tribromophenol	15.527	330	361000	55.955	ng	0.00
45) 2-Fluorobiphenyl	12.610	172	1313979	37.755	ng	0.00
79) Terphenyl-d14	19.439	244	1861593	32.573	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	16.821	178	160791	3.126	ng	100
75) Fluoranthene	18.856	202	388294	6.429	ng	99
78) Pyrene	19.221	202	417055	5.345	ng	99
81) Benzo(a)anthracene	21.003	228	219418	3.308	ng	96
83) Chrysene	21.062	228	275577	4.416	ng	98
88) Benzo(b)fluoranthene	22.885	252	317944	4.550	ng	97
90) Benzo(a)pyrene	23.603	252	192683	3.189	ng	# 96

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

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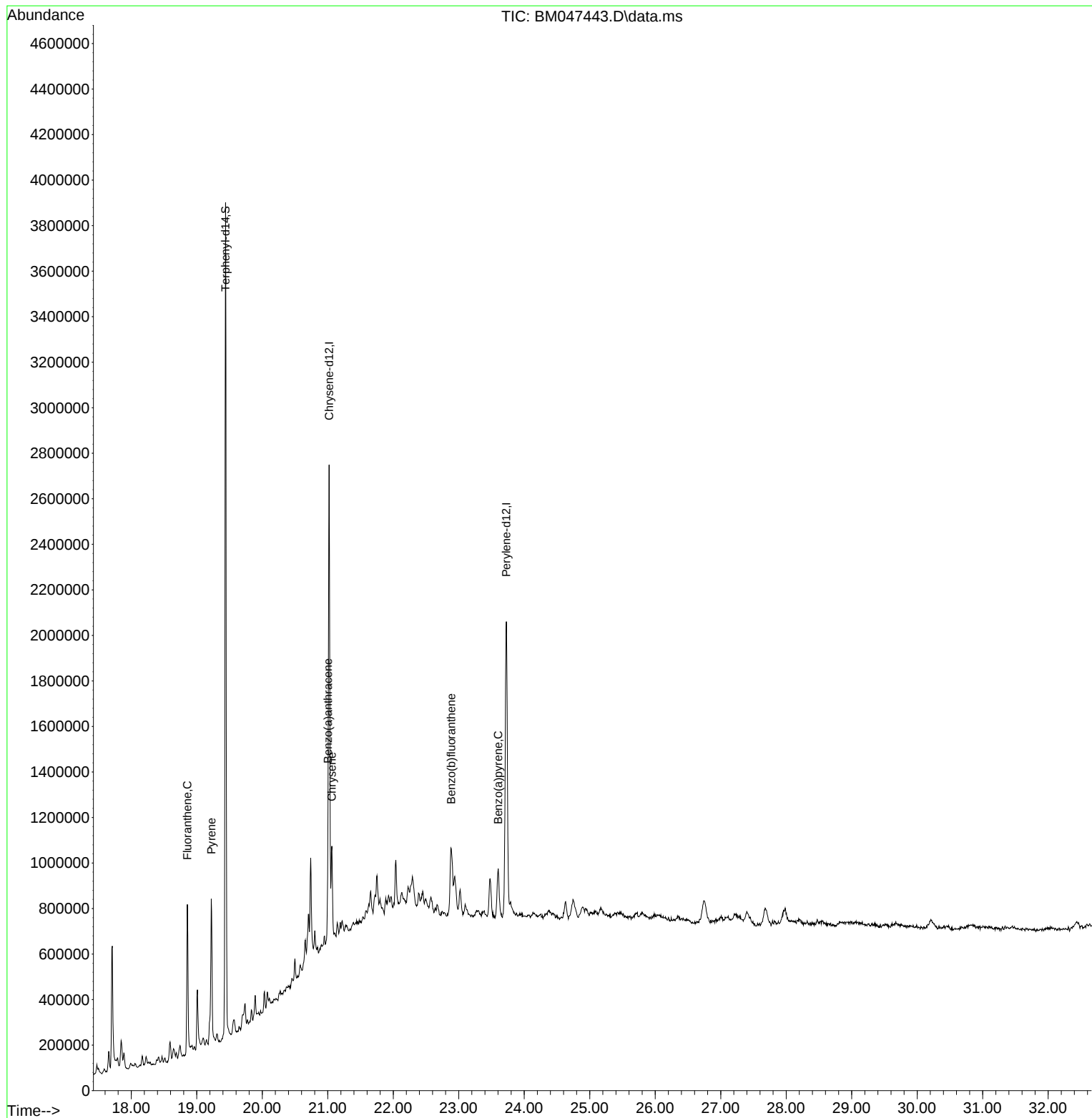
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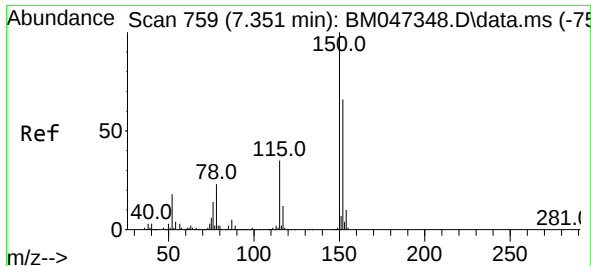


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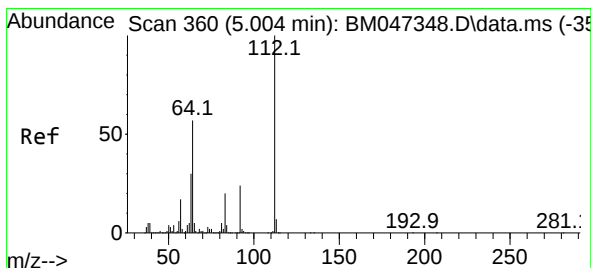
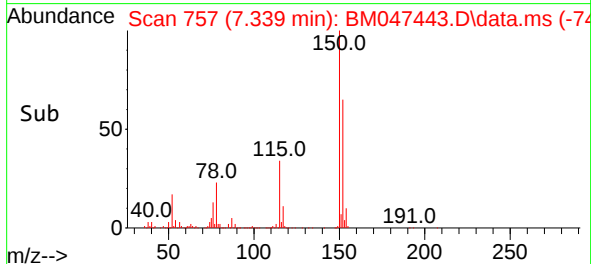
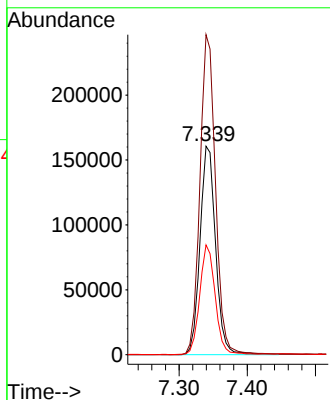
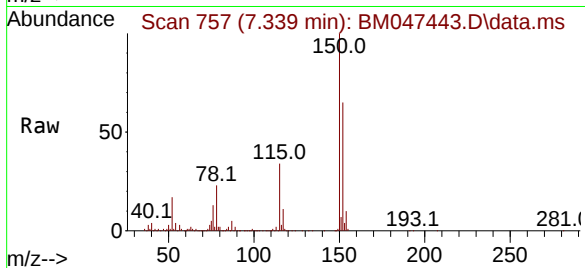




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.339 min Scan# 71
 Delta R.T. -0.012 min
 Lab File: BM047443.D
 Acq: 04 Sep 2024 18:02

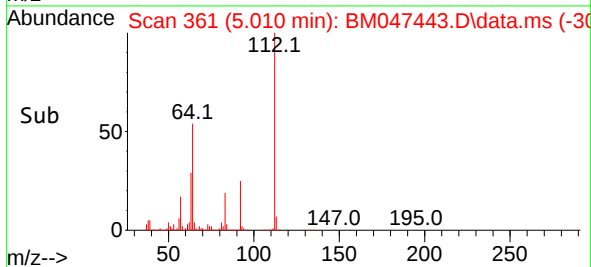
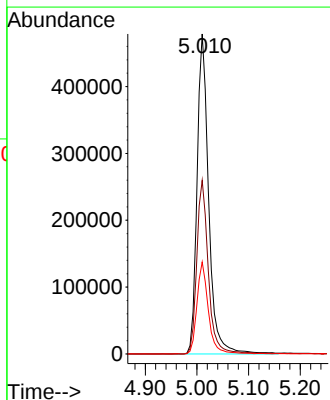
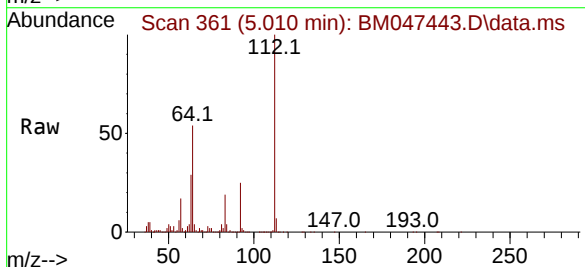
Instrument :
 BNA_M
 ClientSampleId :
 346

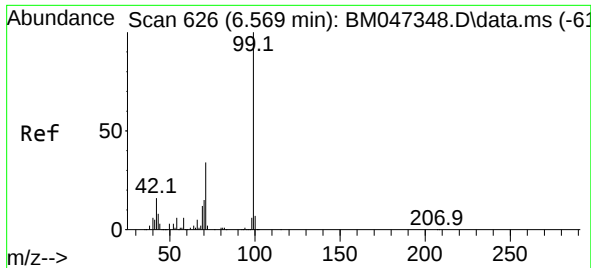
Tgt Ion:152 Resp: 256154
 Ion Ratio Lower Upper
 152 100
 150 153.4 121.3 181.9
 115 52.6 42.6 64.0



#5
 2-Fluorophenol
 Concen: 55.982 ng
 RT: 5.010 min Scan# 361
 Delta R.T. 0.006 min
 Lab File: BM047443.D
 Acq: 04 Sep 2024 18:02

Tgt Ion:112 Resp: 747441
 Ion Ratio Lower Upper
 112 100
 64 54.2 45.7 68.5
 63 28.7 23.8 35.8

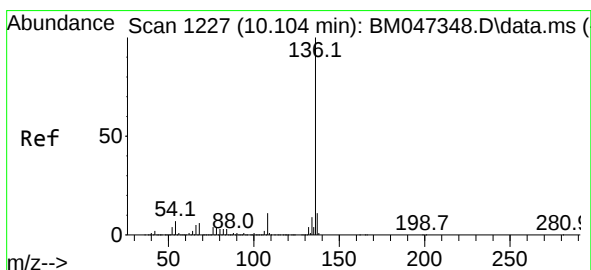
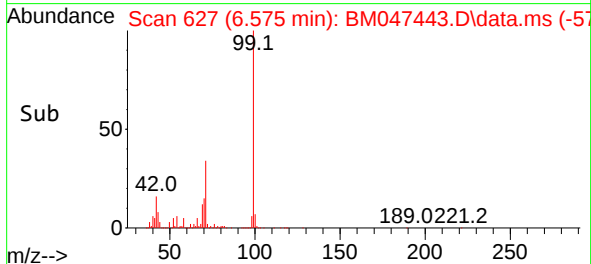
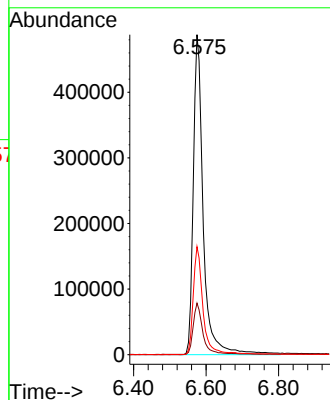
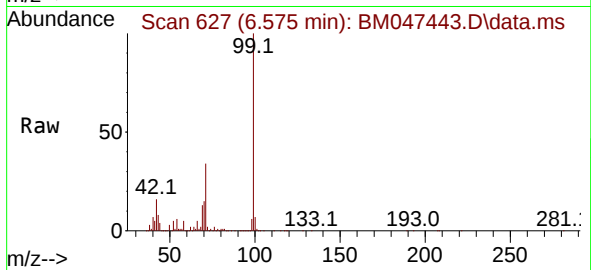




#7
Phenol-d6
Concen: 51.122 ng
RT: 6.575 min Scan# 61
Delta R.T. 0.006 min
Lab File: BM047443.D
Acq: 04 Sep 2024 18:02

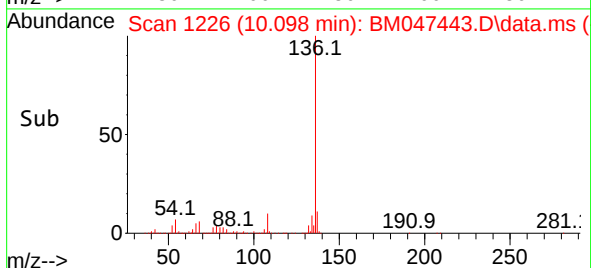
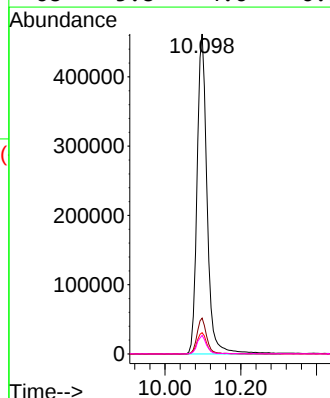
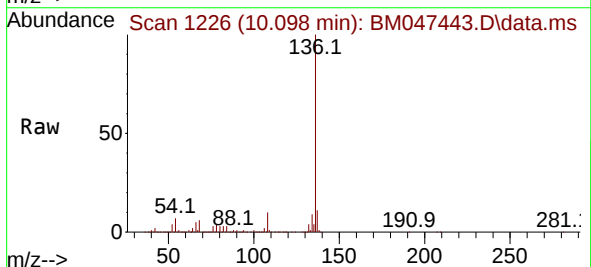
Instrument :
BNA_M
ClientSampleId :
346

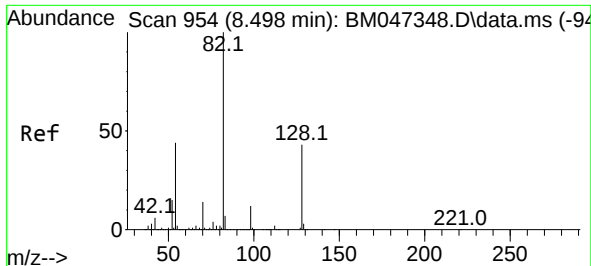
Tgt Ion: 99 Resp: 929816
Ion Ratio Lower Upper
99 100
42 16.1 13.0 19.4
71 33.7 27.5 41.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.098 min Scan# 1226
Delta R.T. -0.006 min
Lab File: BM047443.D
Acq: 04 Sep 2024 18:02

Tgt Ion: 136 Resp: 853340
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 6.6 5.2 7.8
68 5.8 4.6 6.8

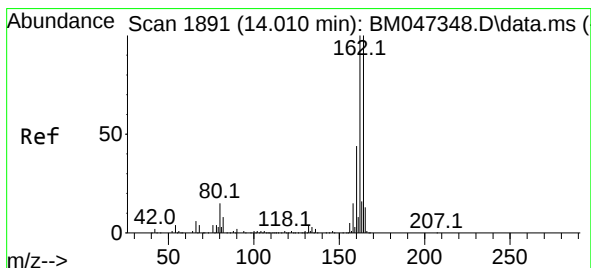
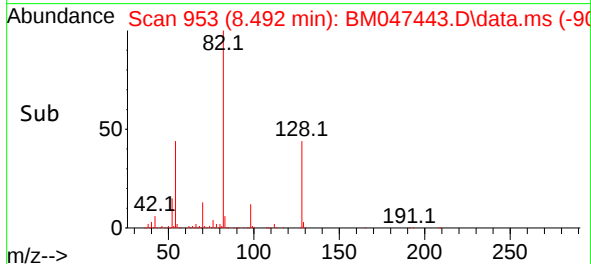
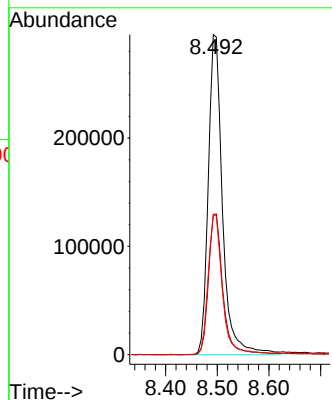
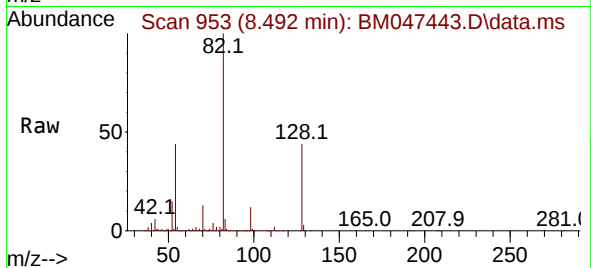




#23
Nitrobenzene-d5
Concen: 36.814 ng
RT: 8.492 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM047443.D
Acq: 04 Sep 2024 18:02

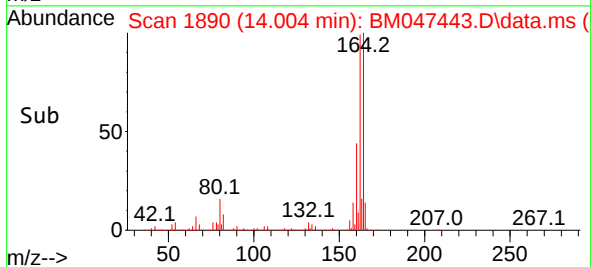
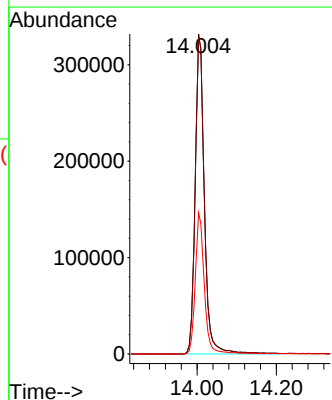
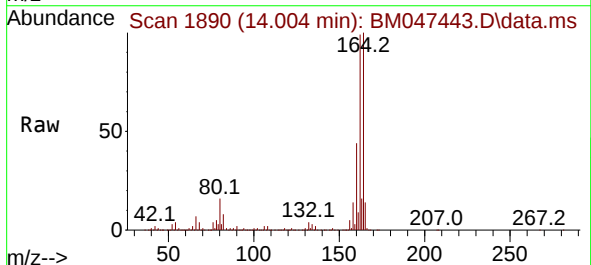
Instrument :
BNA_M
ClientSampleId :
346

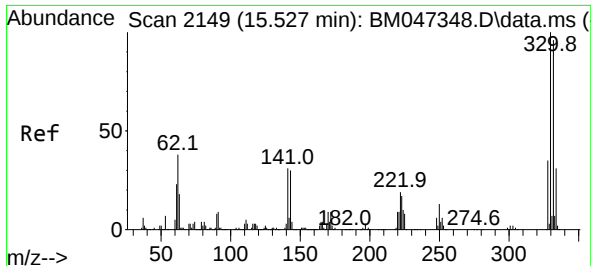
Tgt Ion: 82 Resp: 566185
Ion Ratio Lower Upper
82 100
128 43.8 34.6 51.8
54 43.8 35.5 53.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.004 min Scan# 1890
Delta R.T. -0.006 min
Lab File: BM047443.D
Acq: 04 Sep 2024 18:02

Tgt Ion: 164 Resp: 534747
Ion Ratio Lower Upper
164 100
162 98.8 79.7 119.5
160 44.1 34.9 52.3

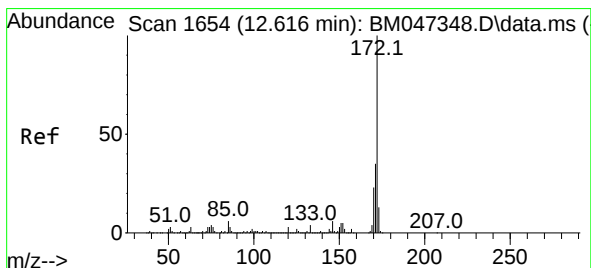
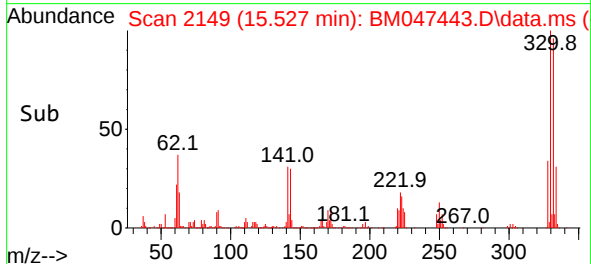
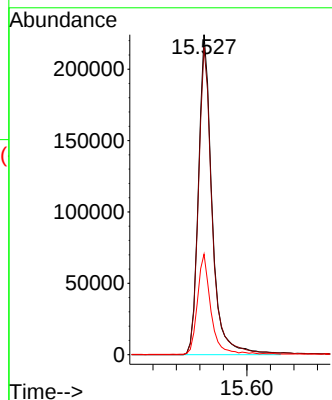
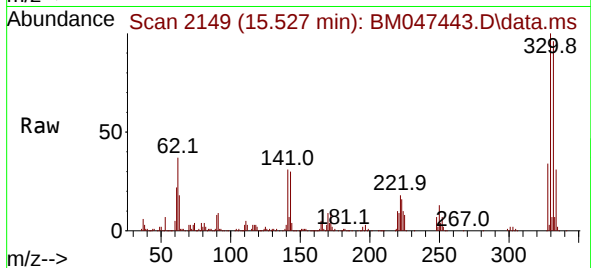




#42
2,4,6-Tribromophenol
Concen: 55.955 ng
RT: 15.527 min Scan# 2149
Delta R.T. -0.000 min
Lab File: BM047443.D
Acq: 04 Sep 2024 18:02

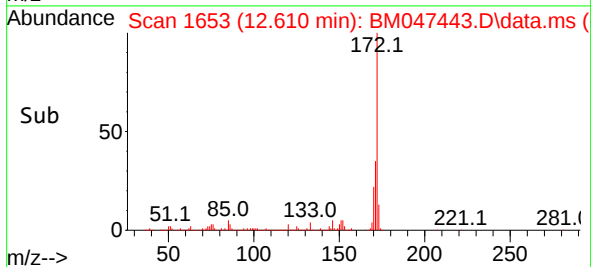
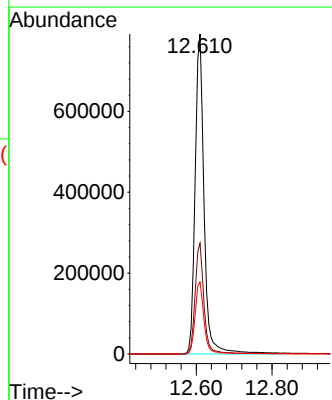
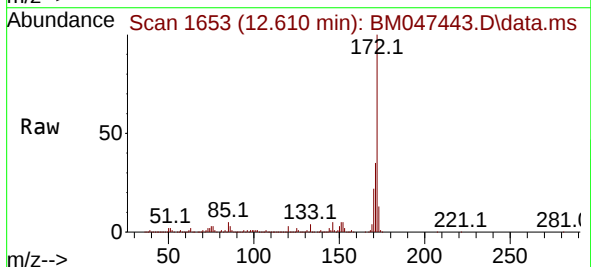
Instrument :
BNA_M
ClientSampleId :
346

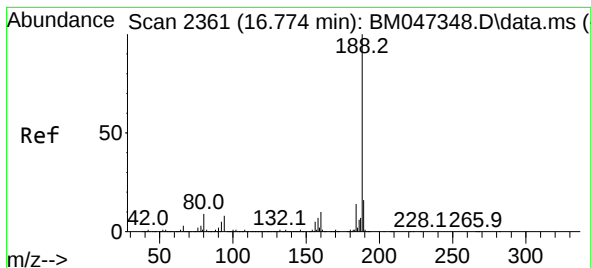
Tgt Ion:330 Resp: 361000
Ion Ratio Lower Upper
330 100
332 97.1 77.2 115.8
141 30.9 27.6 41.4



#45
2-Fluorobiphenyl
Concen: 37.755 ng
RT: 12.610 min Scan# 1653
Delta R.T. -0.006 min
Lab File: BM047443.D
Acq: 04 Sep 2024 18:02

Tgt Ion:172 Resp: 1313979
Ion Ratio Lower Upper
172 100
171 34.6 27.8 41.6
170 22.5 18.5 27.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.774 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM047443.D

Acq: 04 Sep 2024 18:02

Instrument :

BNA_M

ClientSampleId :

346

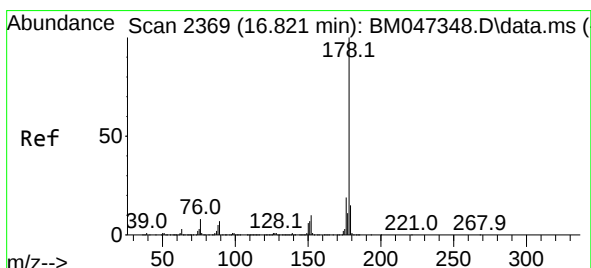
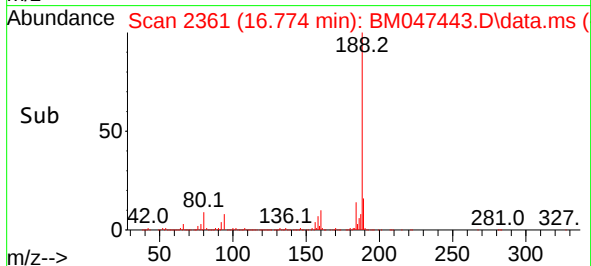
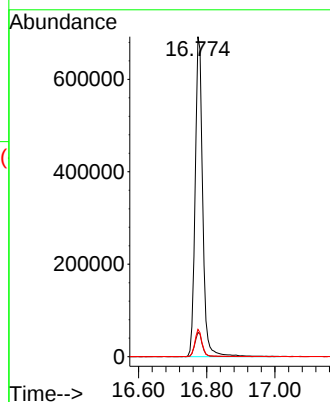
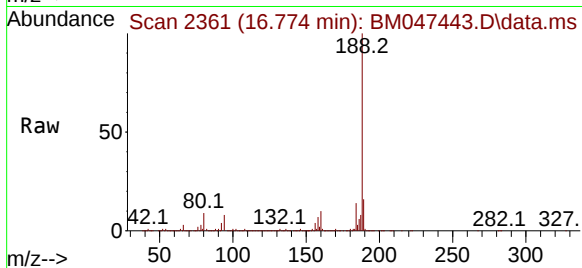
Tgt Ion:188 Resp: 1059192

Ion Ratio Lower Upper

188 100

94 7.6 6.4 9.6

80 8.6 7.4 11.2



#71

Phenanthrene

Concen: 3.126 ng

RT: 16.821 min Scan# 2369

Delta R.T. -0.000 min

Lab File: BM047443.D

Acq: 04 Sep 2024 18:02

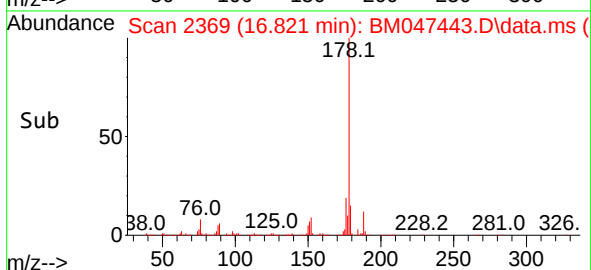
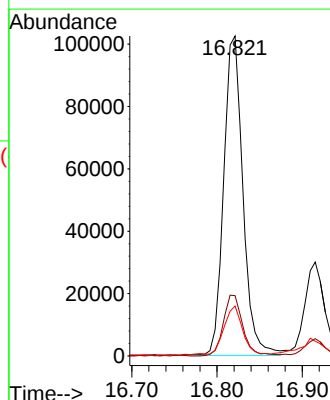
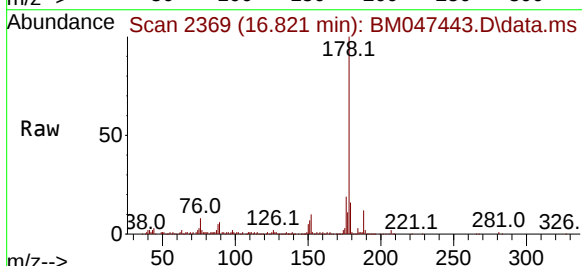
Tgt Ion:178 Resp: 160791

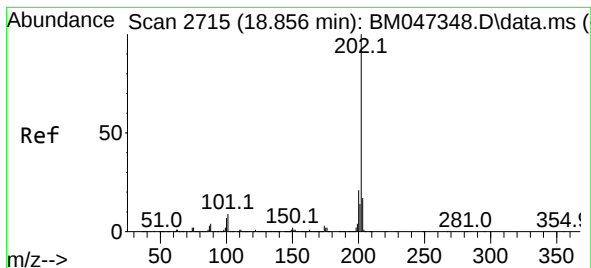
Ion Ratio Lower Upper

178 100

176 18.9 15.2 22.8

179 15.6 12.2 18.4

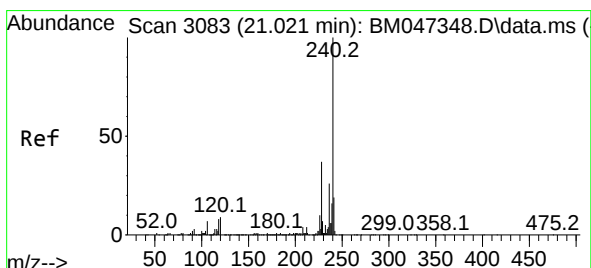
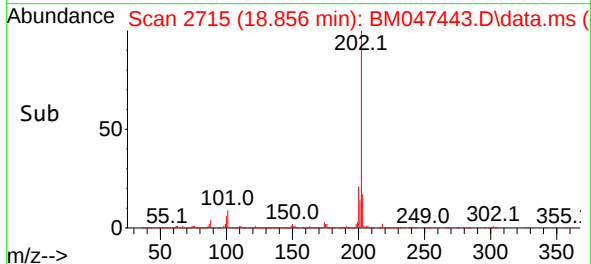
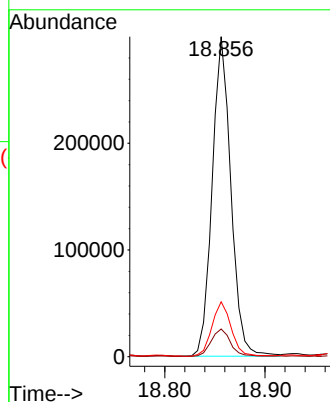
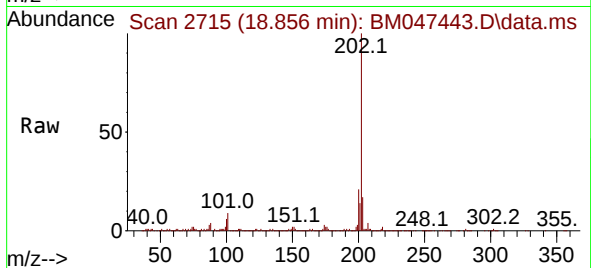




#75
Fluoranthene
Concen: 6.429 ng
RT: 18.856 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM047443.D
Acq: 04 Sep 2024 18:02

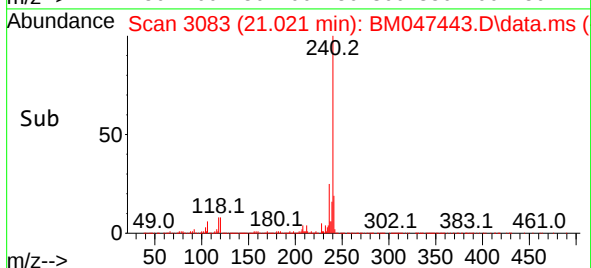
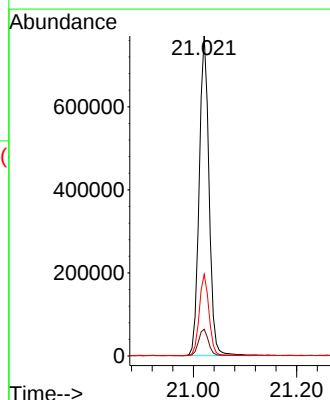
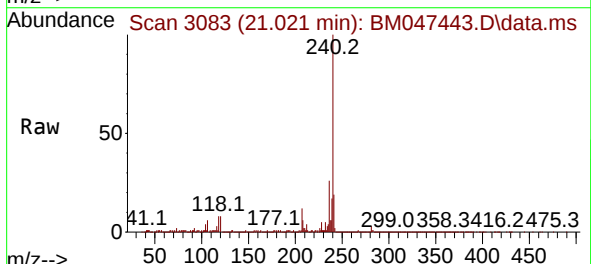
Instrument :
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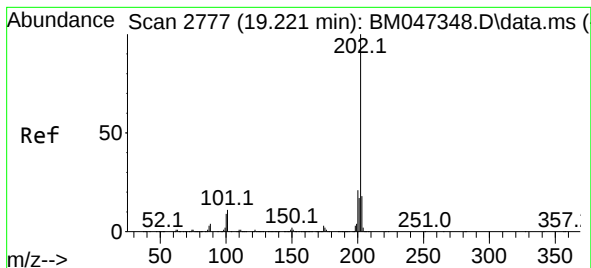
Tgt Ion:202 Resp: 388294
Ion Ratio Lower Upper
202 100
101 8.7 0.0 29.0
203 17.2 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.021 min Scan# 3083
Delta R.T. -0.000 min
Lab File: BM047443.D
Acq: 04 Sep 2024 18:02

Tgt Ion:240 Resp: 1017256
Ion Ratio Lower Upper
240 100
120 8.4 7.4 11.0
236 25.5 20.8 31.2





#78

Pyrene

Concen: 5.345 ng

RT: 19.221 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM047443.D

Acq: 04 Sep 2024 18:02

Instrument :

BNA_M

ClientSampleId :

346

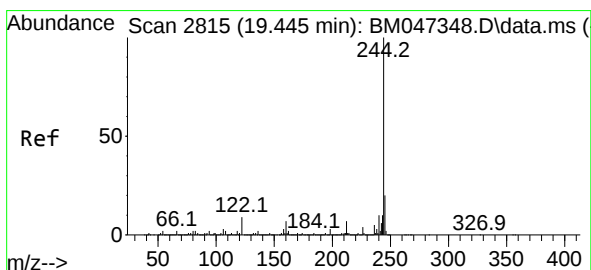
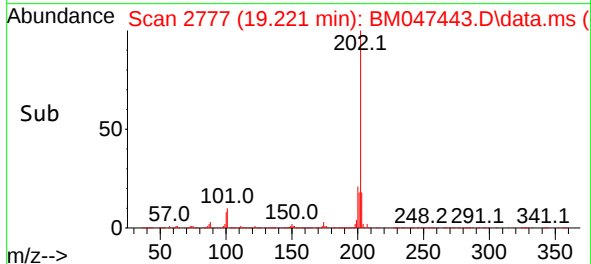
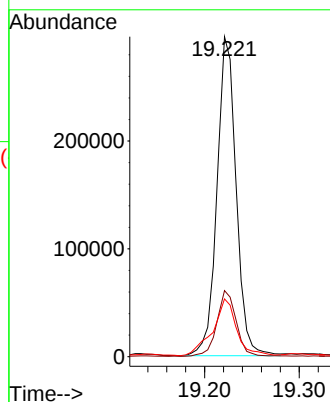
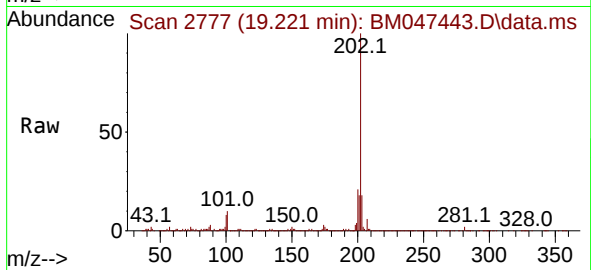
Tgt Ion:202 Resp: 417055

Ion Ratio Lower Upper

202 100

200 20.7 16.7 25.1

203 18.1 14.2 21.4



#79

Terphenyl-d14

Concen: 32.573 ng

RT: 19.439 min Scan# 2814

Delta R.T. -0.006 min

Lab File: BM047443.D

Acq: 04 Sep 2024 18:02

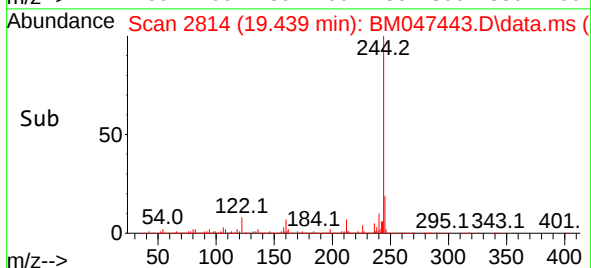
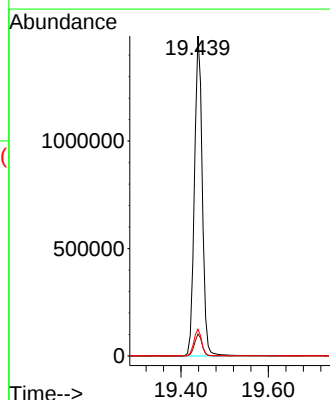
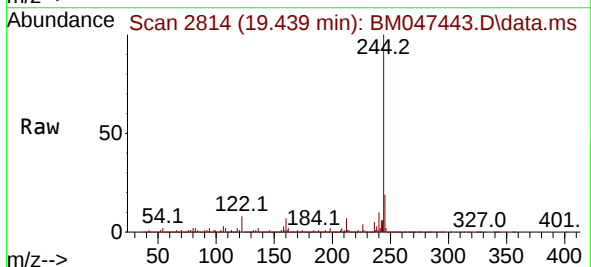
Tgt Ion:244 Resp: 1861593

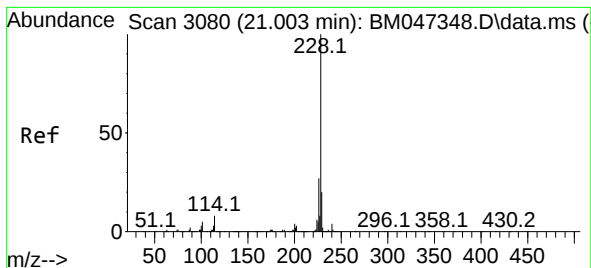
Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

122 8.4 7.0 10.4





#81

Benzo(a)anthracene

Concen: 3.308 ng

RT: 21.003 min Scan# 3080

Delta R.T. -0.000 min

Lab File: BM047443.D

Acq: 04 Sep 2024 18:02

Instrument :

BNA_M

ClientSampleId :

346

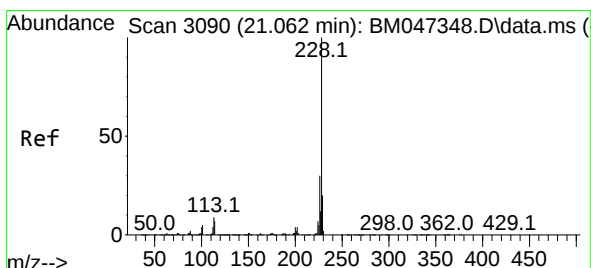
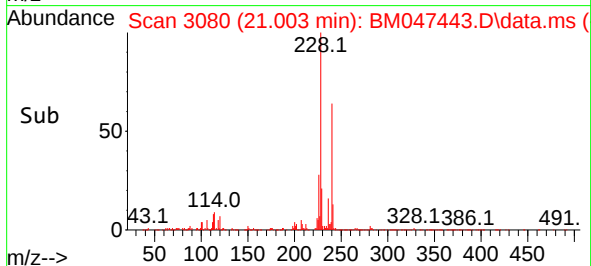
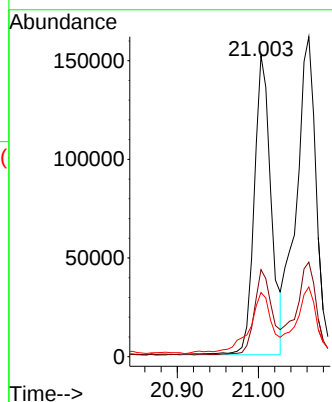
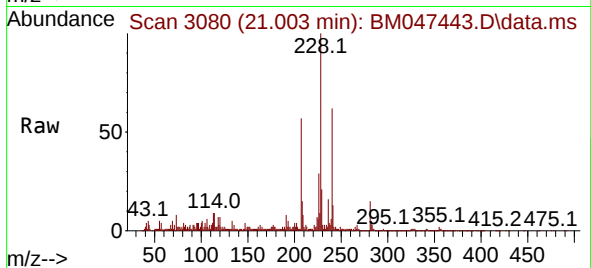
Tgt Ion:228 Resp: 219418

Ion Ratio Lower Upper

228 100

226 28.9 21.4 32.0

229 21.3 15.8 23.8



#83

Chrysene

Concen: 4.416 ng

RT: 21.062 min Scan# 3090

Delta R.T. -0.000 min

Lab File: BM047443.D

Acq: 04 Sep 2024 18:02

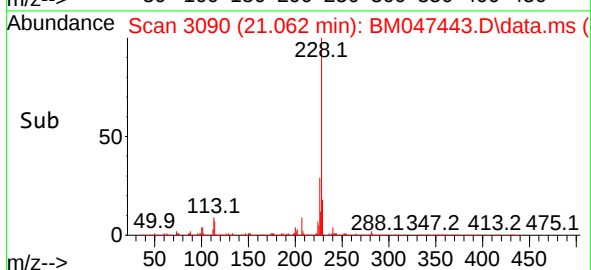
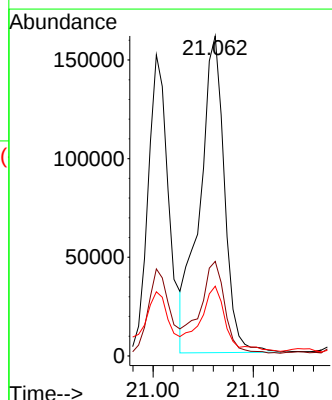
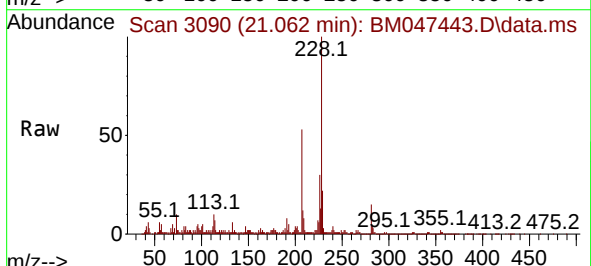
Tgt Ion:228 Resp: 275577

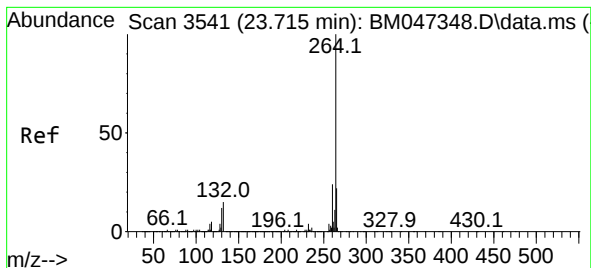
Ion Ratio Lower Upper

228 100

226 29.6 24.0 36.0

229 21.8 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: BM047443.D

Acq: 04 Sep 2024 18:02

Instrument :

BNA_M

ClientSampleId :

346

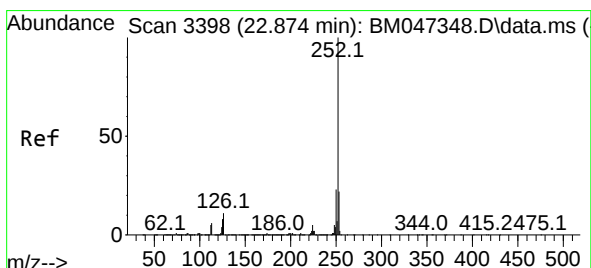
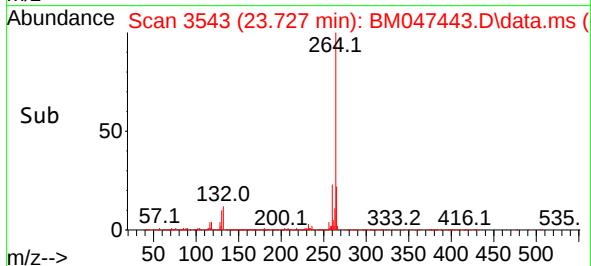
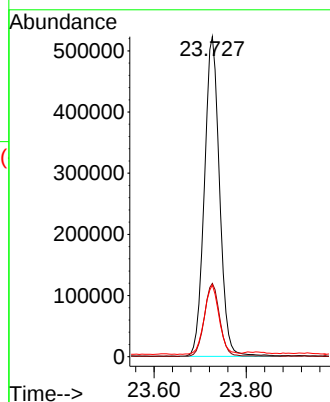
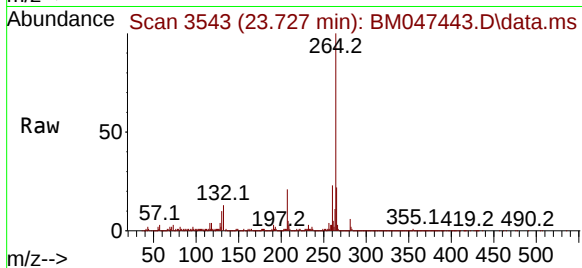
Tgt Ion:264 Resp: 1197681

Ion Ratio Lower Upper

264 100

260 22.9 19.0 28.4

265 22.4 17.8 26.6



#88

Benzo(b)fluoranthene

Concen: 4.550 ng

RT: 22.885 min Scan# 3400

Delta R.T. 0.012 min

Lab File: BM047443.D

Acq: 04 Sep 2024 18:02

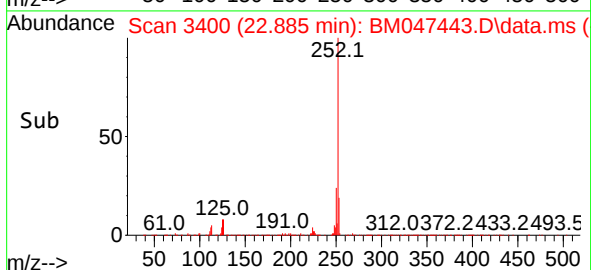
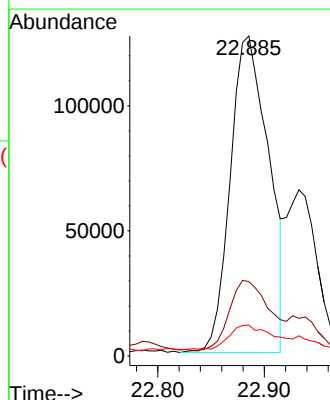
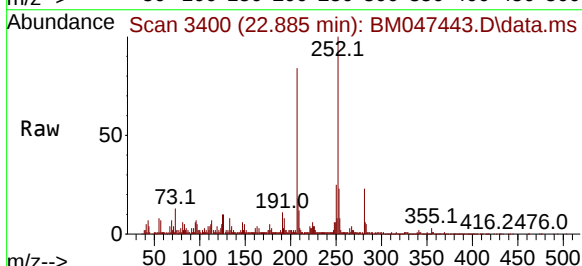
Tgt Ion:252 Resp: 317944

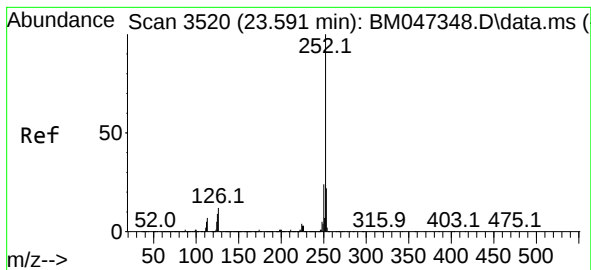
Ion Ratio Lower Upper

252 100

253 23.2 17.8 26.6

125 9.6 6.6 10.0





#90

Benzo(a)pyrene

Concen: 3.189 ng

RT: 23.603 min Scan# 31

Delta R.T. 0.012 min

Lab File: BM047443.D

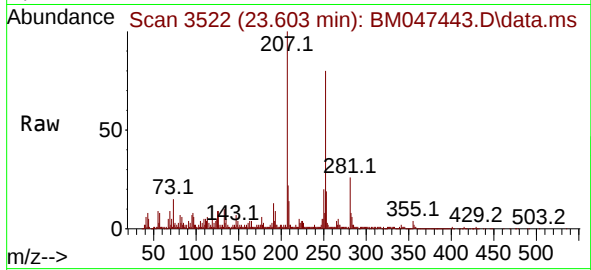
Acq: 04 Sep 2024 18:02

Instrument :

BNA_M

ClientSampleId :

346



Tgt Ion:252 Resp: 192683

Ion Ratio Lower Upper

252 100

253 24.0 17.7 26.5

125 11.3 7.4 11.2#

