

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081624\
 Data File : BM047241.D
 Acq On : 16 Aug 2024 19:12
 Operator : RC/JU
 Sample : P3600-02 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 VCPS-B2-081324-0-12

Quant Time: Aug 16 23:20:40 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Aug 11 23:47:58 2024
 Response via : Initial Calibration

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

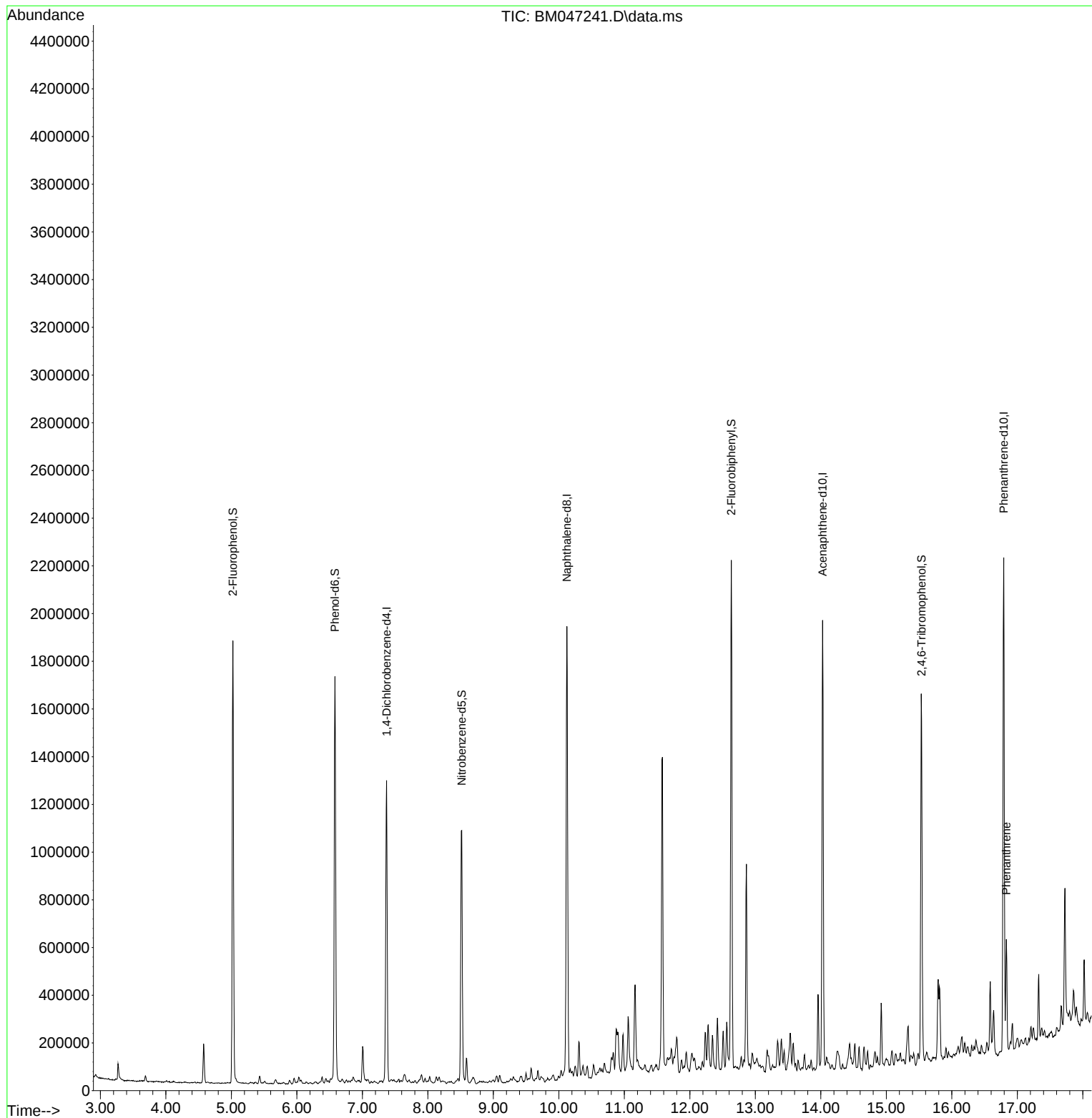
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.369	152	342739	20.000	ng	0.00
21) Naphthalene-d8	10.122	136	1131875	20.000	ng	-0.01
39) Acenaphthene-d10	14.027	164	645544	20.000	ng	0.00
64) Phenanthrene-d10	16.792	188	1242659	20.000	ng	0.00
76) Chrysene-d12	21.027	240	1026447	20.000	ng	0.00
86) Perylene-d12	23.739	264	1178999	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.022	112	772262	40.261	ng	0.00
7) Phenol-d6	6.581	99	970526	36.720	ng	0.00
23) Nitrobenzene-d5	8.516	82	636893	28.333	ng	0.00
42) 2,4,6-Tribromophenol	15.539	330	278595	37.220	ng	0.00
45) 2-Fluorobiphenyl	12.633	172	1126482	26.917	ng	-0.01
79) Terphenyl-d14	19.456	244	1250387	26.103	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	16.833	178	275466	4.417	ng	99
75) Fluoranthene	18.868	202	382513	5.043	ng	100
78) Pyrene	19.233	202	315806	4.309	ng	98
81) Benzo(a)anthracene	21.009	228	178600	2.621	ng	# 92
83) Chrysene	21.068	228	192634m	2.980	ng	
88) Benzo(b)fluoranthene	22.892	252	239568	3.422	ng	# 83
90) Benzo(a)pyrene	23.609	252	163628	2.698	ng	# 80

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

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VCPS-B2-081324-0-12

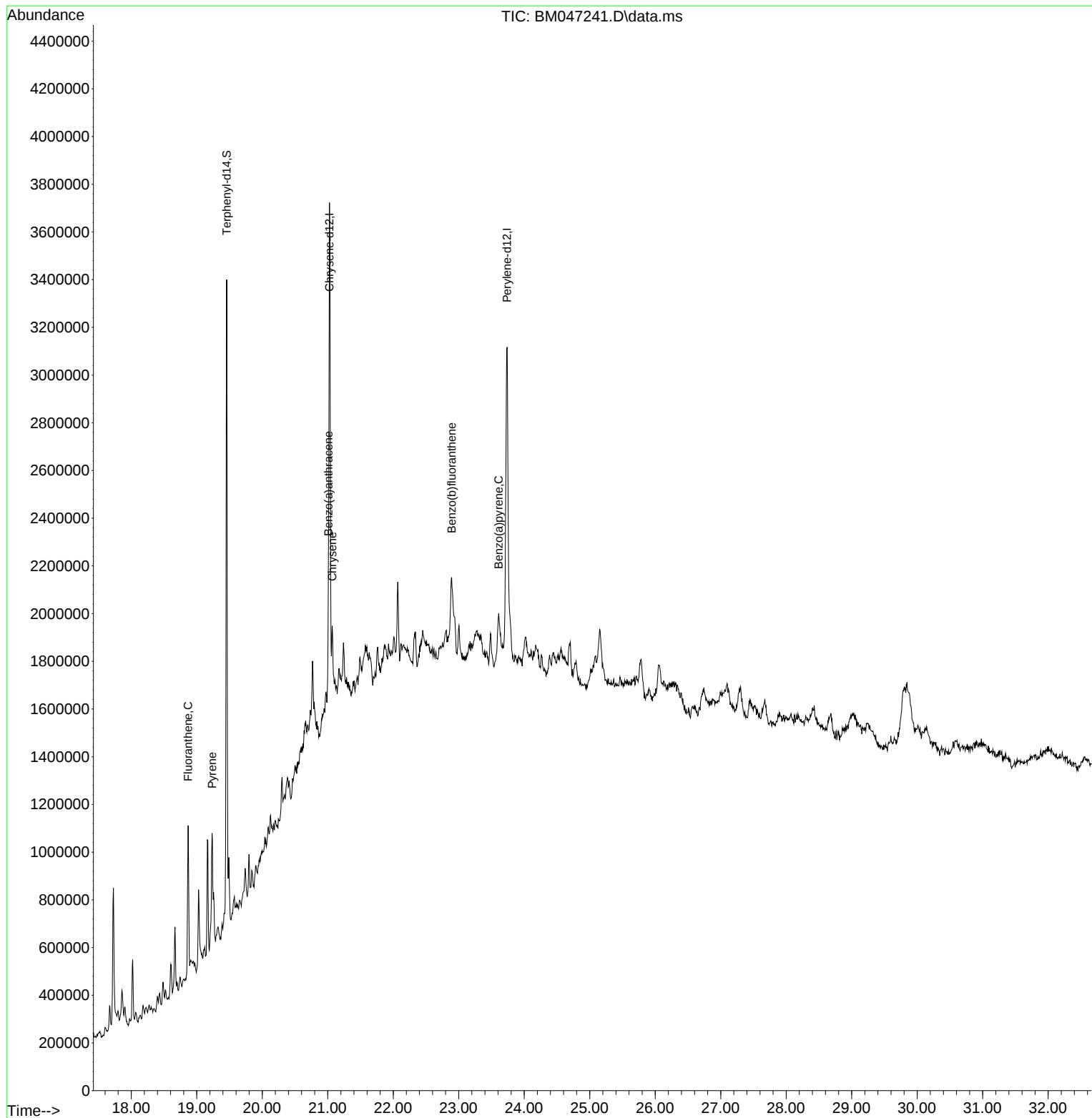
Quant Time: Aug 16 23:20:40 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration

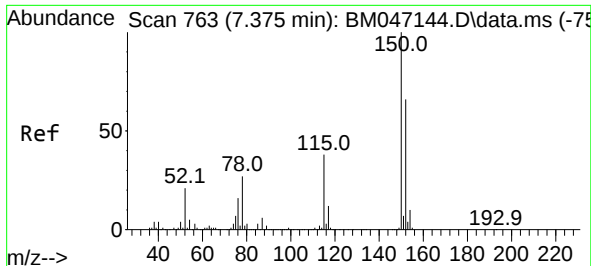


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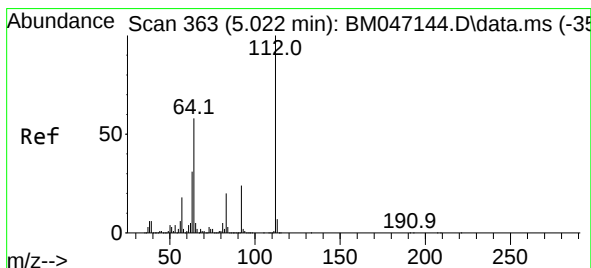
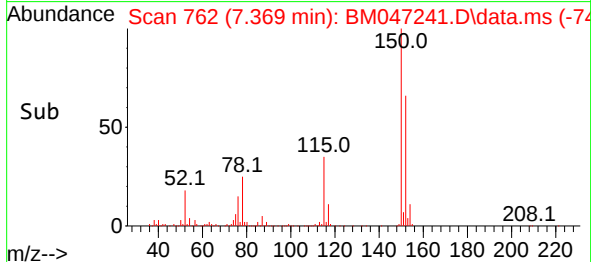
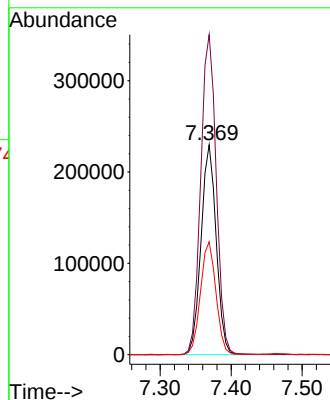
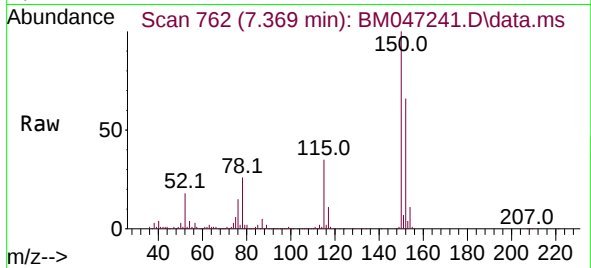




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.369 min Scan# 763
Delta R.T. -0.006 min
Lab File: BM047241.D
Acq: 16 Aug 2024 19:12

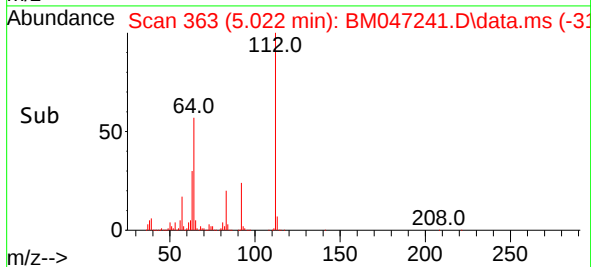
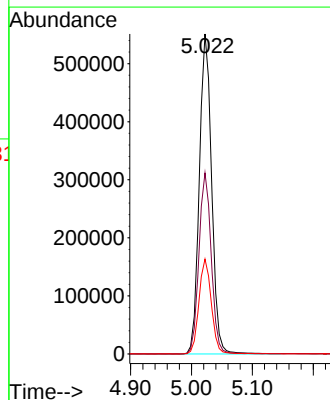
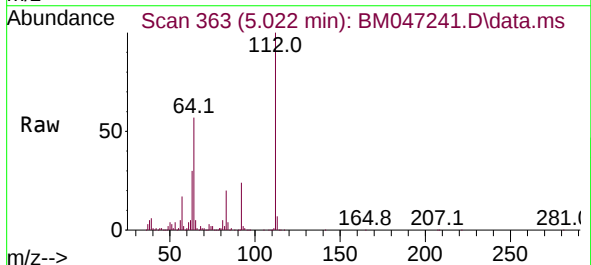
Instrument :
BNA_M
ClientSampleId :
VCPS-B2-081324-0-12

Tgt Ion:152 Resp: 342739
Ion Ratio Lower Upper
152 100
150 152.5 120.5 180.7
115 53.8 45.5 68.3



#5
2-Fluorophenol
Concen: 40.261 ng
RT: 5.022 min Scan# 363
Delta R.T. -0.000 min
Lab File: BM047241.D
Acq: 16 Aug 2024 19:12

Tgt Ion:112 Resp: 772262
Ion Ratio Lower Upper
112 100
64 56.6 46.7 70.1
63 29.6 24.8 37.2

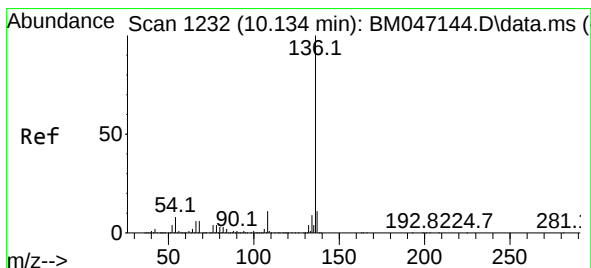
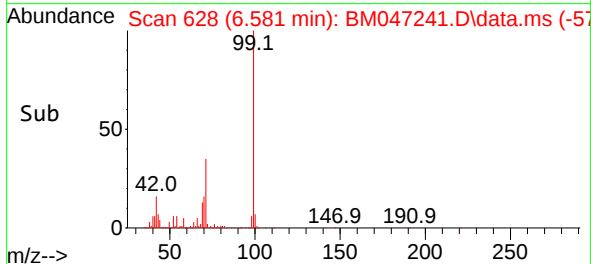
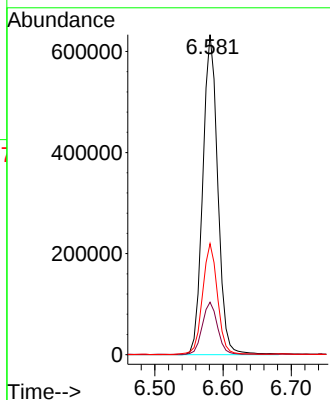
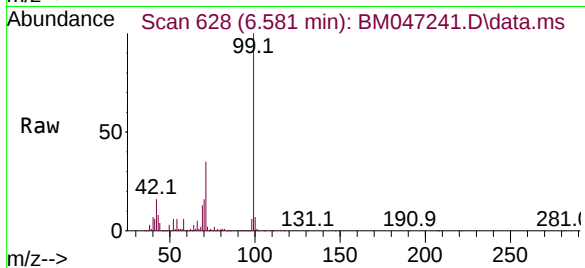




#7
Phenol-d6
Concen: 36.720 ng
RT: 6.581 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM047241.D
Acq: 16 Aug 2024 19:12

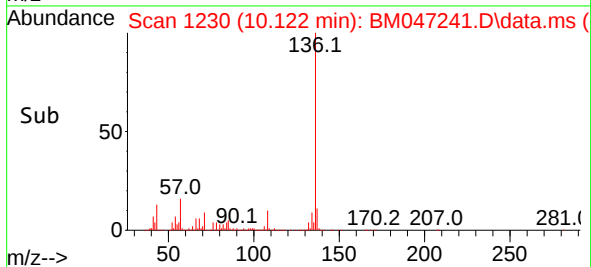
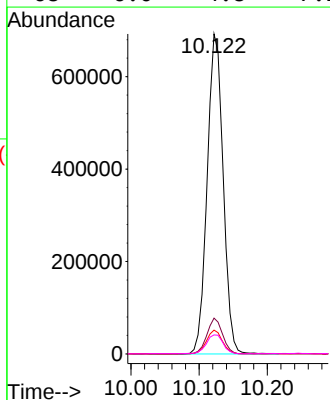
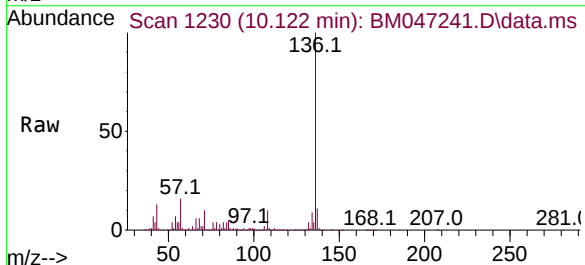
Instrument :
BNA_M
ClientSampleId :
VCPS-B2-081324-0-12

Tgt Ion: 99 Resp: 970526
Ion Ratio Lower Upper
99 100
42 16.4 14.1 21.1
71 34.7 28.5 42.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.122 min Scan# 1230
Delta R.T. -0.012 min
Lab File: BM047241.D
Acq: 16 Aug 2024 19:12

Tgt Ion: 136 Resp: 1131875
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 7.5 6.0 9.0
68 6.0 4.8 7.2

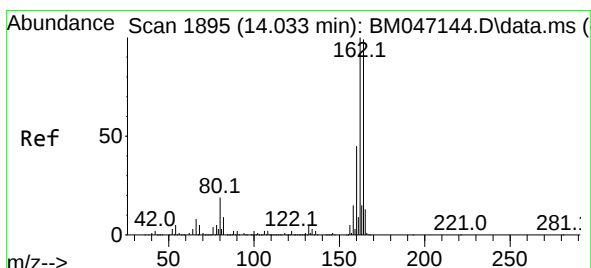
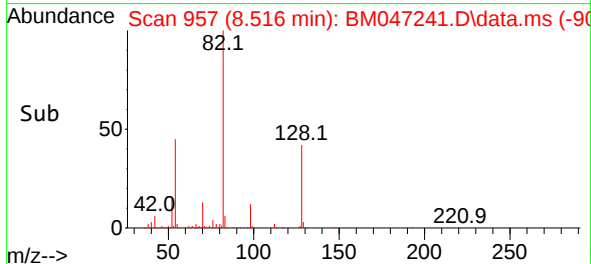
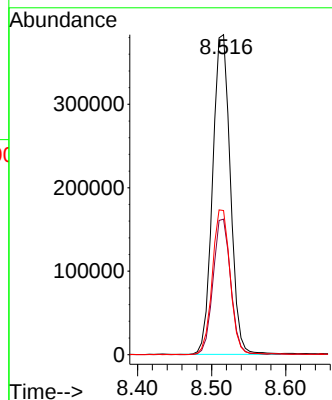
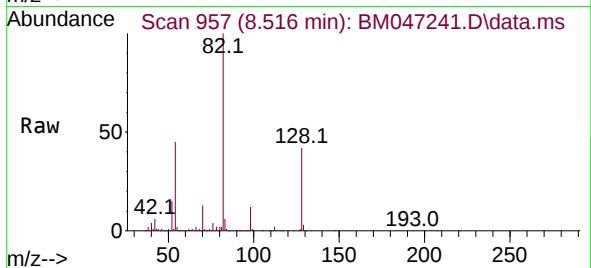




#23
Nitrobenzene-d5
Concen: 28.333 ng
RT: 8.516 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM047241.D
Acq: 16 Aug 2024 19:12

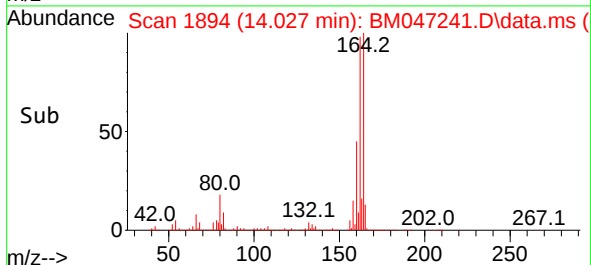
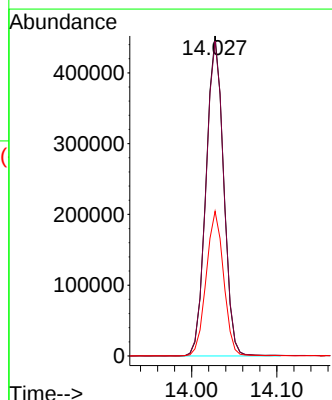
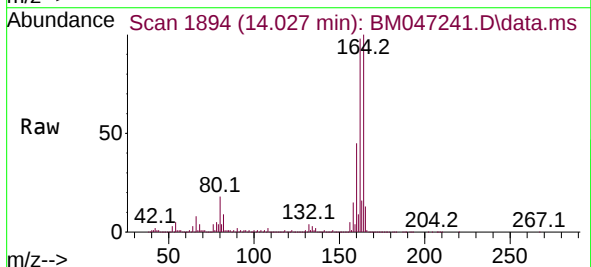
Instrument :
BNA_M
ClientSampleId :
VCPS-B2-081324-0-12

Tgt Ion: 82 Resp: 636893
Ion Ratio Lower Upper
82 100
128 42.3 32.3 48.5
54 45.1 37.4 56.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.027 min Scan# 1894
Delta R.T. -0.006 min
Lab File: BM047241.D
Acq: 16 Aug 2024 19:12

Tgt Ion: 164 Resp: 645544
Ion Ratio Lower Upper
164 100
162 98.4 80.7 121.1
160 45.2 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 37.220 ng

RT: 15.539 min Scan# 2151

Delta R.T. -0.000 min

Lab File: BM047241.D

Acq: 16 Aug 2024 19:12

Instrument :

BNA_M

ClientSampleId :

VCPS-B2-081324-0-12

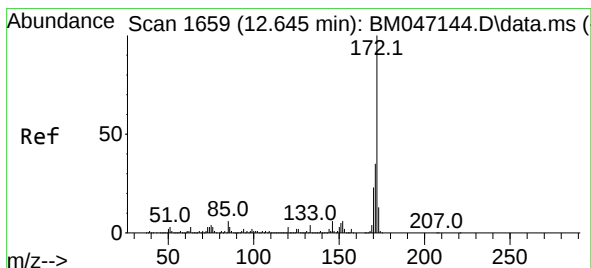
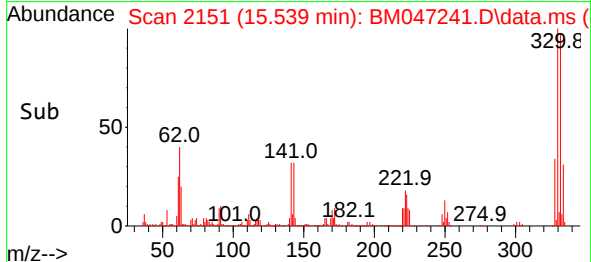
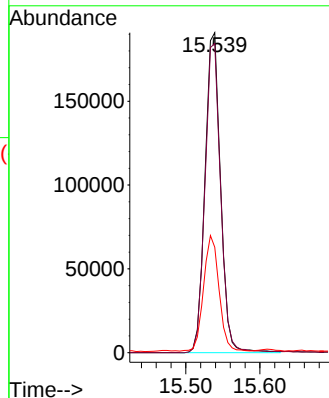
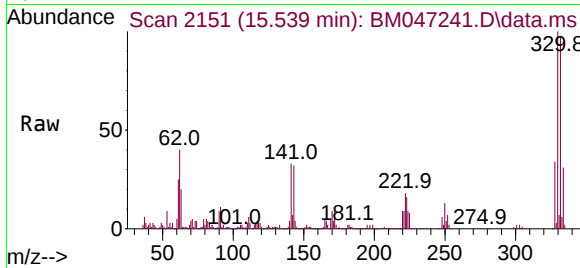
Tgt Ion:330 Resp: 278595

Ion Ratio Lower Upper

330 100

332 97.8 77.4 116.2

141 35.7 31.6 47.4



#45

2-Fluorobiphenyl

Concen: 26.917 ng

RT: 12.633 min Scan# 1657

Delta R.T. -0.012 min

Lab File: BM047241.D

Acq: 16 Aug 2024 19:12

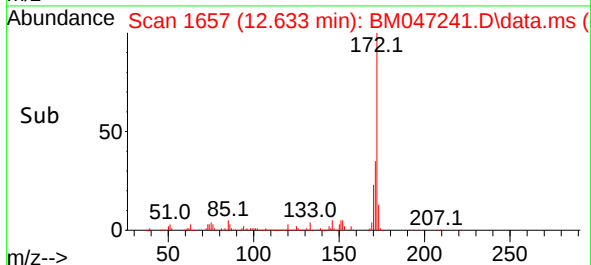
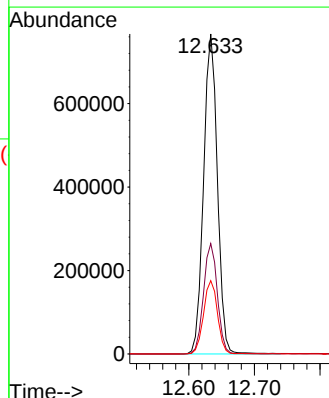
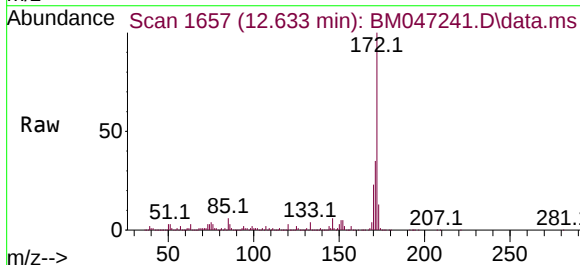
Tgt Ion:172 Resp: 1126482

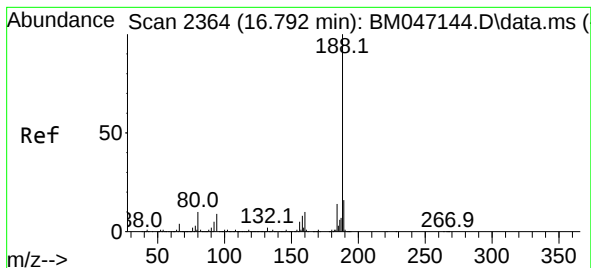
Ion Ratio Lower Upper

172 100

171 34.5 27.8 41.6

170 22.9 18.7 28.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.792 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM047241.D

Acq: 16 Aug 2024 19:12

Instrument :

BNA_M

ClientSampleId :

VCPS-B2-081324-0-12

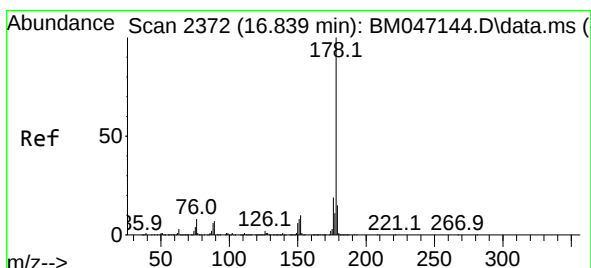
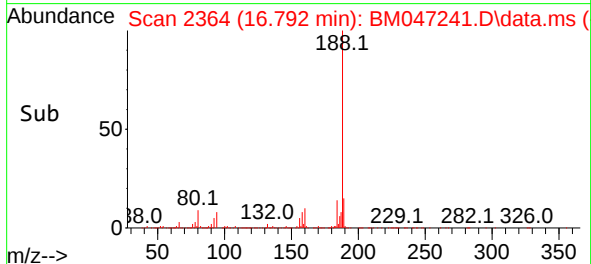
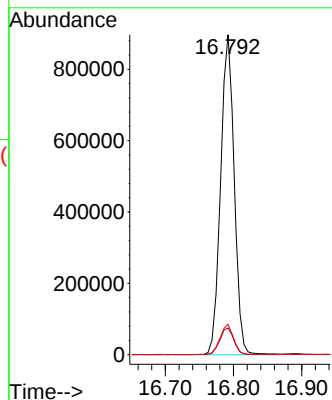
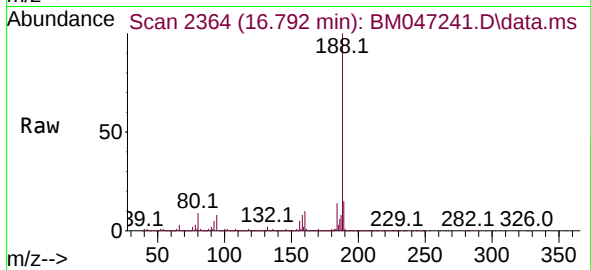
Tgt Ion:188 Resp: 1242659

Ion Ratio Lower Upper

188 100

94 8.4 7.0 10.6

80 9.5 8.0 12.0



#71

Phenanthrene

Concen: 4.417 ng

RT: 16.833 min Scan# 2371

Delta R.T. -0.006 min

Lab File: BM047241.D

Acq: 16 Aug 2024 19:12

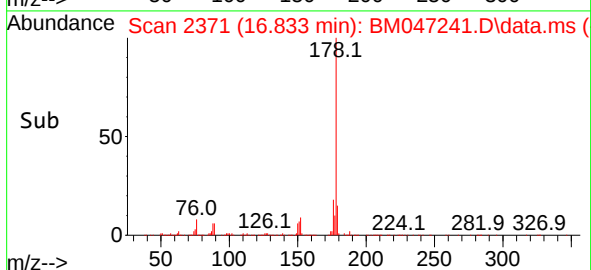
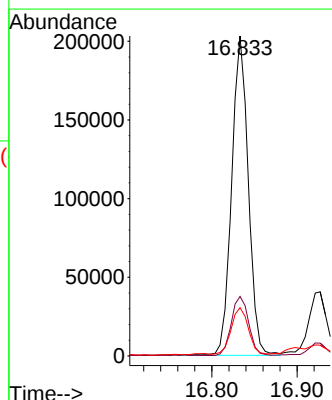
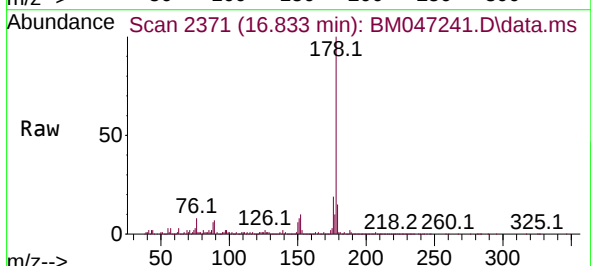
Tgt Ion:178 Resp: 275466

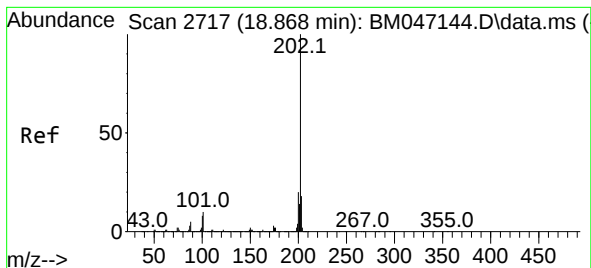
Ion Ratio Lower Upper

178 100

176 18.6 15.3 22.9

179 15.1 12.4 18.6





#75

Fluoranthene

Concen: 5.043 ng

RT: 18.868 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM047241.D

Acq: 16 Aug 2024 19:12

Instrument :

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ClientSampleId :

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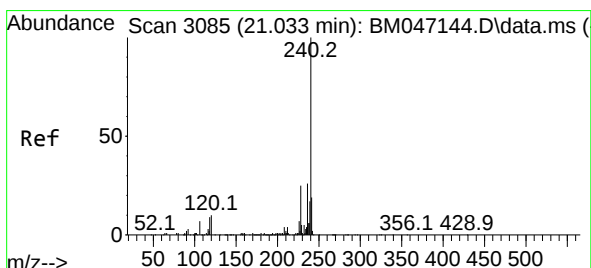
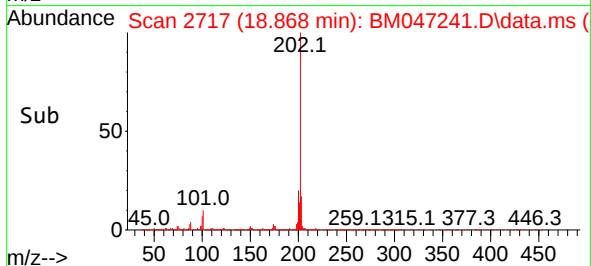
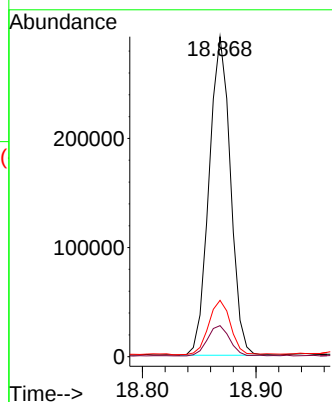
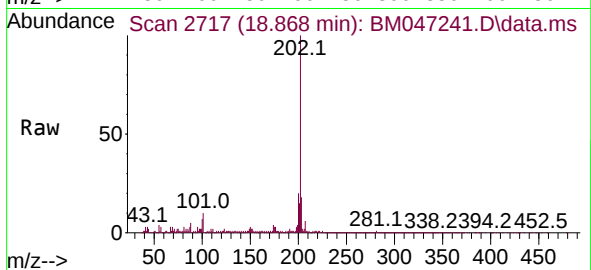
Tgt Ion:202 Resp: 382513

Ion Ratio Lower Upper

202 100

101 9.7 0.0 30.2

203 17.6 0.0 37.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.027 min Scan# 3084

Delta R.T. -0.006 min

Lab File: BM047241.D

Acq: 16 Aug 2024 19:12

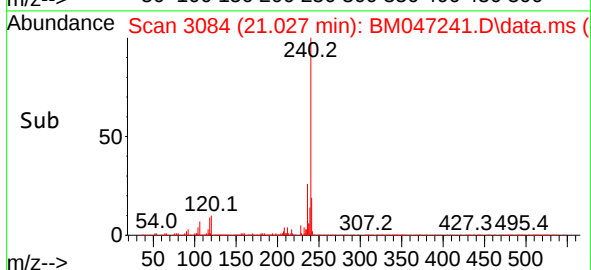
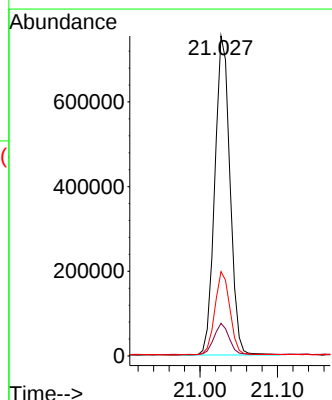
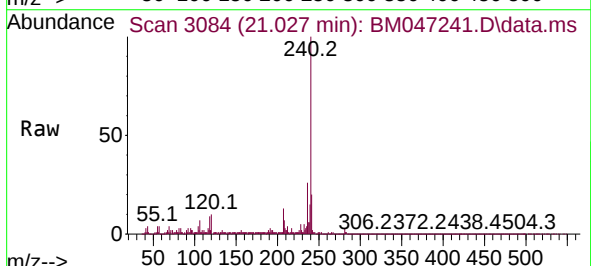
Tgt Ion:240 Resp: 1026447

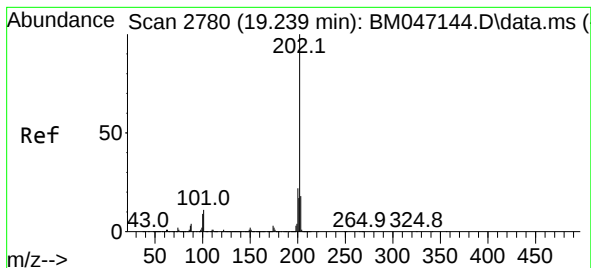
Ion Ratio Lower Upper

240 100

120 10.2 8.2 12.2

236 26.4 20.6 30.8





#78

Pyrene

Concen: 4.309 ng

RT: 19.233 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM047241.D

Acq: 16 Aug 2024 19:12

Instrument :

BNA_M

ClientSampleId :

VCPS-B2-081324-0-12

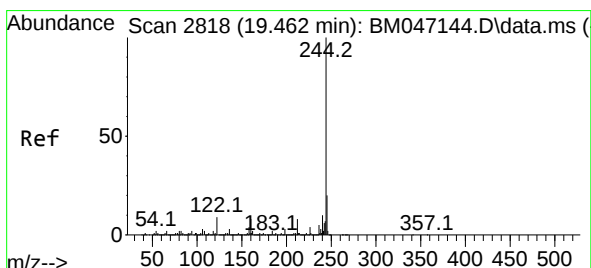
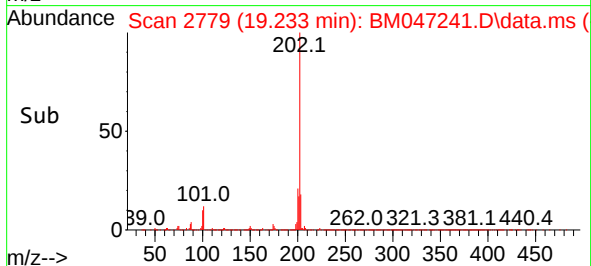
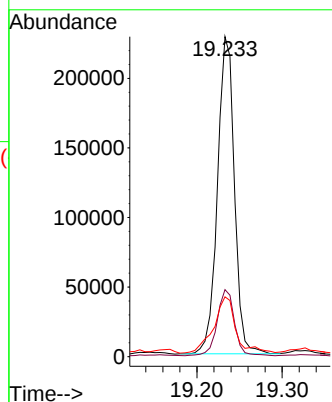
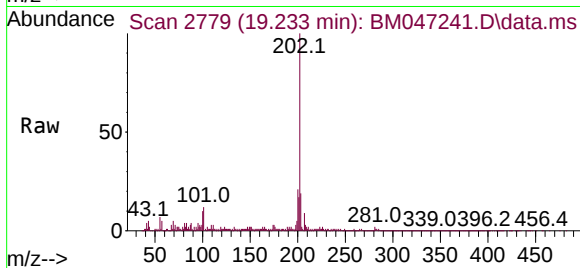
Tgt Ion:202 Resp: 315806

Ion Ratio Lower Upper

202 100

200 21.0 17.2 25.8

203 18.7 14.2 21.2



#79

Terphenyl-d14

Concen: 26.103 ng

RT: 19.456 min Scan# 2817

Delta R.T. -0.006 min

Lab File: BM047241.D

Acq: 16 Aug 2024 19:12

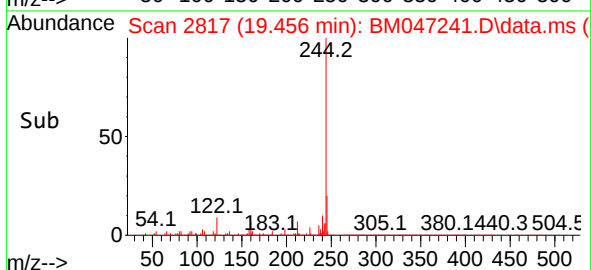
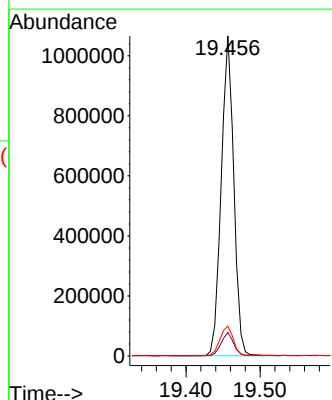
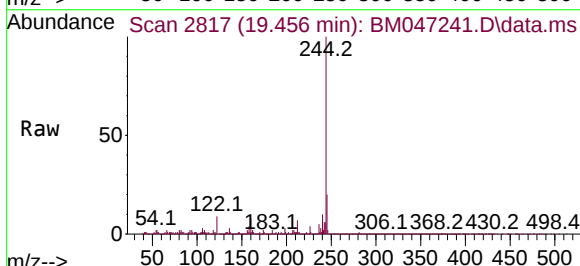
Tgt Ion:244 Resp: 1250387

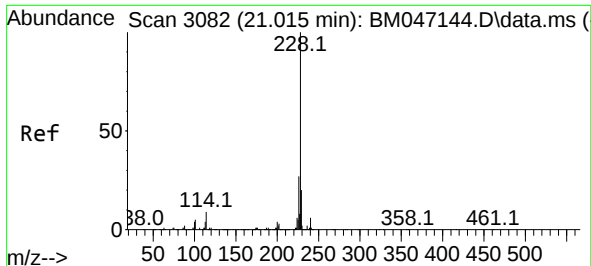
Ion Ratio Lower Upper

244 100

212 7.3 6.2 9.4

122 9.3 7.1 10.7

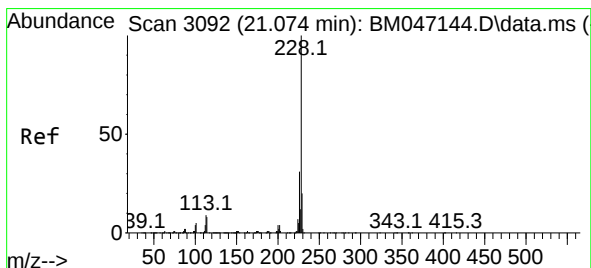
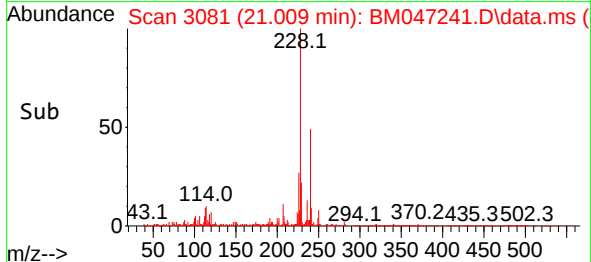
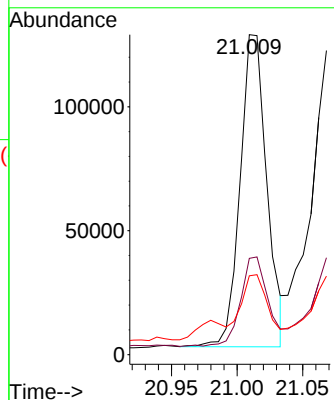
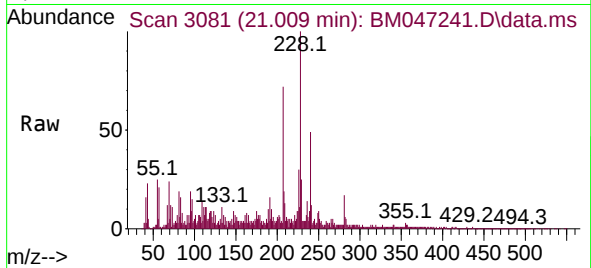




#81
Benzo(a)anthracene
Concen: 2.621 ng
RT: 21.009 min Scan# 3082
Delta R.T. -0.006 min
Lab File: BM047241.D
Acq: 16 Aug 2024 19:12

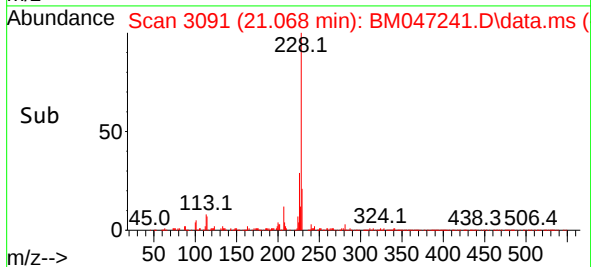
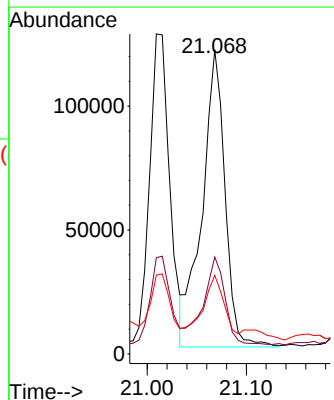
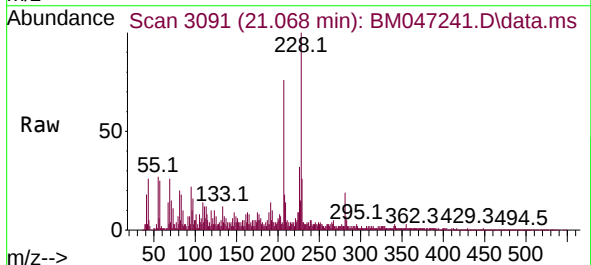
Instrument :
BNA_M
ClientSampleId :
VCPS-B2-081324-0-12

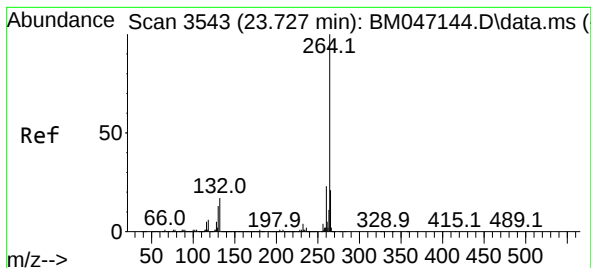
Tgt Ion:228 Resp: 178600
Ion Ratio Lower Upper
228 100
226 30.1 21.8 32.6
229 24.6 15.8 23.8#



#83
Chrysene
Concen: 2.980 ng m
RT: 21.068 min Scan# 3091
Delta R.T. -0.006 min
Lab File: BM047241.D
Acq: 16 Aug 2024 19:12

Tgt Ion:228 Resp: 192634
Ion Ratio Lower Upper
228 100
226 31.9 24.4 36.6
229 25.8 15.7 23.5#





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.739 min Scan# 3

Delta R.T. 0.012 min

Lab File: BM047241.D

Acq: 16 Aug 2024 19:12

Instrument :

BNA_M

ClientSampleId :

VCPS-B2-081324-0-12

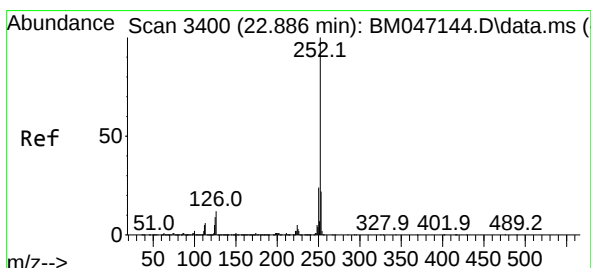
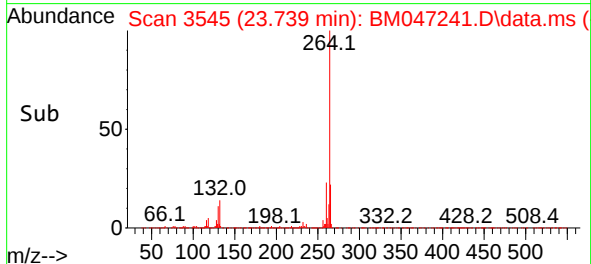
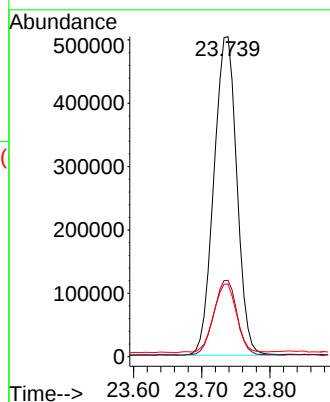
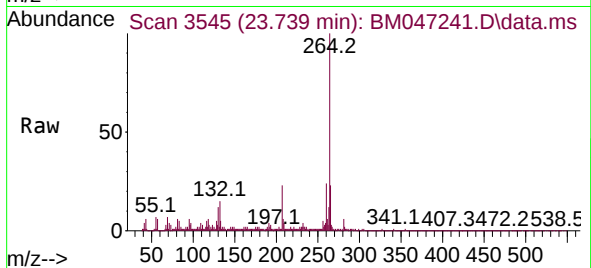
Tgt Ion:264 Resp: 1178999

Ion Ratio Lower Upper

264 100

260 23.9 18.5 27.7

265 22.7 17.3 25.9



#88

Benzo(b)fluoranthene

Concen: 3.422 ng

RT: 22.892 min Scan# 3401

Delta R.T. 0.006 min

Lab File: BM047241.D

Acq: 16 Aug 2024 19:12

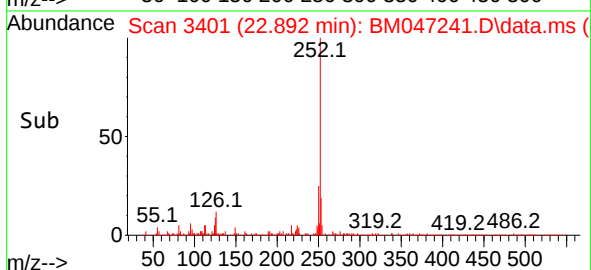
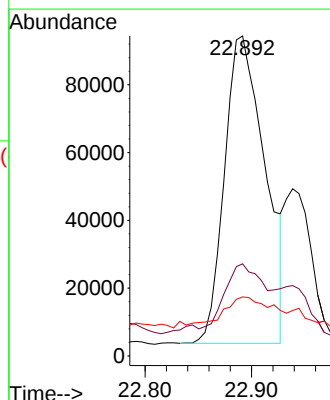
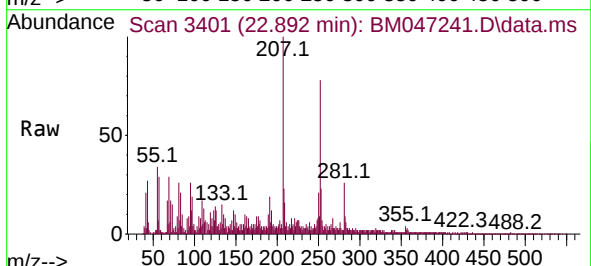
Tgt Ion:252 Resp: 239568

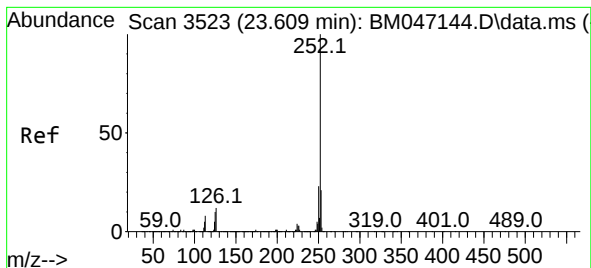
Ion Ratio Lower Upper

252 100

253 28.8 17.8 26.6#

125 18.5 7.4 11.0#





#90

Benzo(a)pyrene

Concen: 2.698 ng

RT: 23.609 min Scan# 31

Delta R.T. -0.000 min

Lab File: BM047241.D

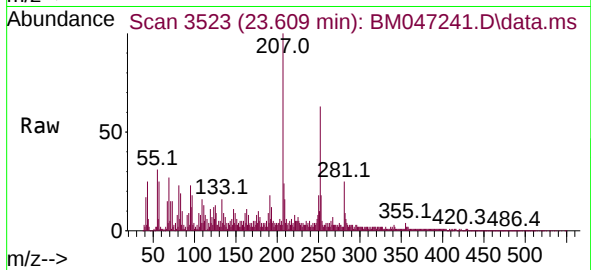
Acq: 16 Aug 2024 19:12

Instrument :

BNA_M

ClientSampleId :

VCPS-B2-081324-0-12



Tgt Ion:252 Resp: 163628

Ion Ratio Lower Upper

252 100

253 29.0 17.1 25.7#

125 20.6 8.2 12.2#

