

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081524\
 Data File : BM047201.D
 Acq On : 14 Aug 2024 21:31
 Operator : RC/JU
 Sample : P3519-15
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 OU4-TS-23-080724

Quant Time: Aug 15 02:36:53 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)

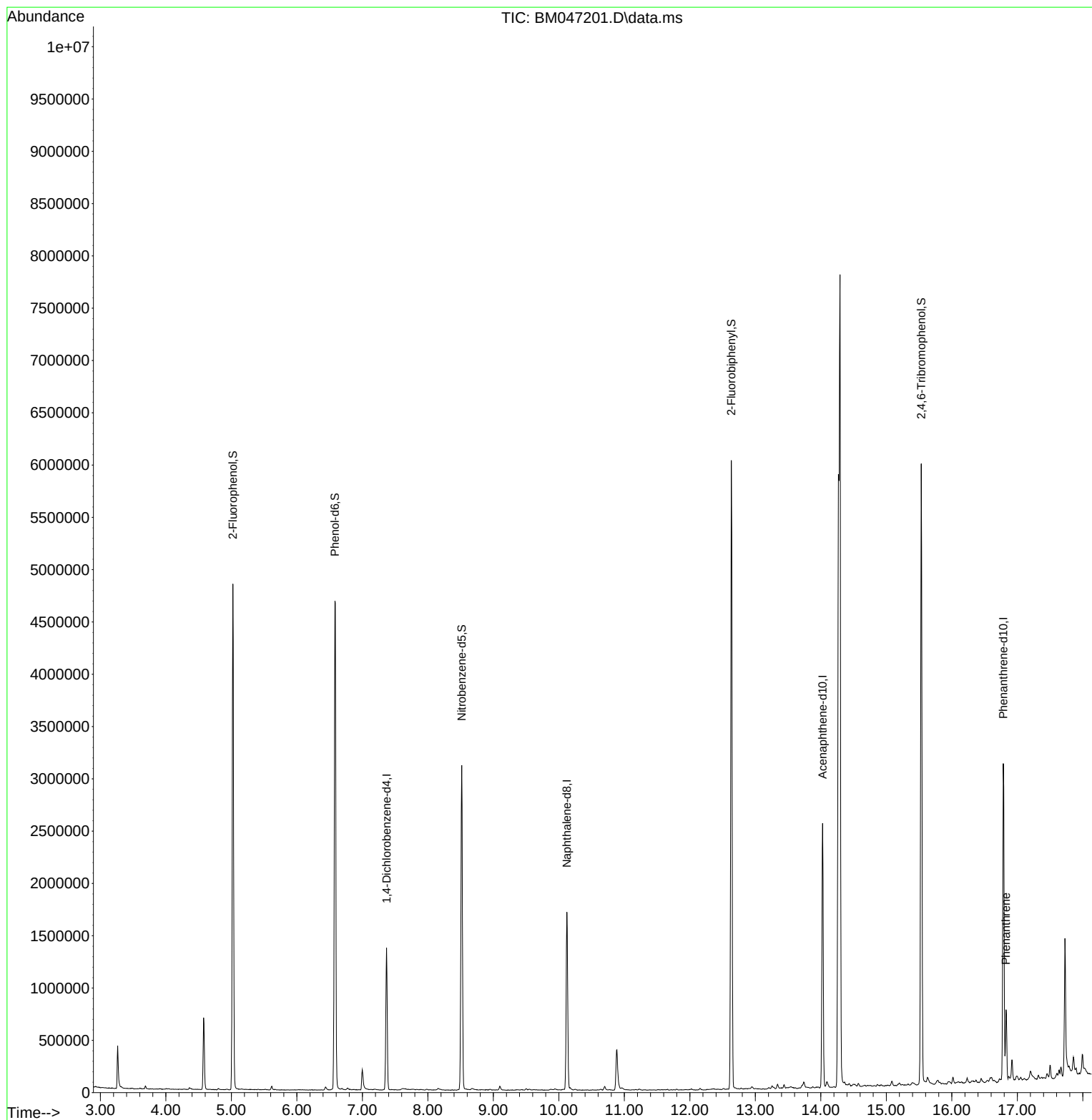
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.369	152	359457	20.000	ng	0.00
21) Naphthalene-d8	10.122	136	1373110	20.000	ng	-0.01
39) Acenaphthene-d10	14.027	164	877705	20.000	ng	0.00
64) Phenanthrene-d10	16.786	188	1776465	20.000	ng	0.00
76) Chrysene-d12	21.021	240	1148910	20.000	ng	-0.01
86) Perylene-d12	23.721	264	1176743	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.022	112	1987450	98.795	ng	0.00
7) Phenol-d6	6.581	99	2699237	97.377	ng	0.00
23) Nitrobenzene-d5	8.516	82	1780175	65.281	ng	0.00
42) 2,4,6-Tribromophenol	15.533	330	1063533	104.502	ng	0.00
45) 2-Fluorobiphenyl	12.633	172	3109043	54.640	ng	-0.01
79) Terphenyl-d14	19.456	244	3755649	70.044	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.534	77	1892	Below Cal	#	59
71) Phenanthrene	16.827	178	402795	4.518	ng	99
75) Fluoranthene	18.862	202	816451	7.529	ng	99
78) Pyrene	19.227	202	699912	8.532	ng	99
81) Benzo(a)anthracene	21.003	228	286505	3.756	ng	99
83) Chrysene	21.062	228	311953	4.311	ng	98
87) Indeno(1,2,3-cd)pyrene	26.709	276	176846	2.325	ng	95
88) Benzo(b)fluoranthene	22.880	252	384341	5.500	ng	# 95
89) Benzo(k)fluoranthene	22.880	252	384341	5.823	ng	# 95
90) Benzo(a)pyrene	23.591	252	239369	3.954	ng	95
92) Benzo(g,h,i)perylene	27.638	276	177773	2.782	ng	99

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

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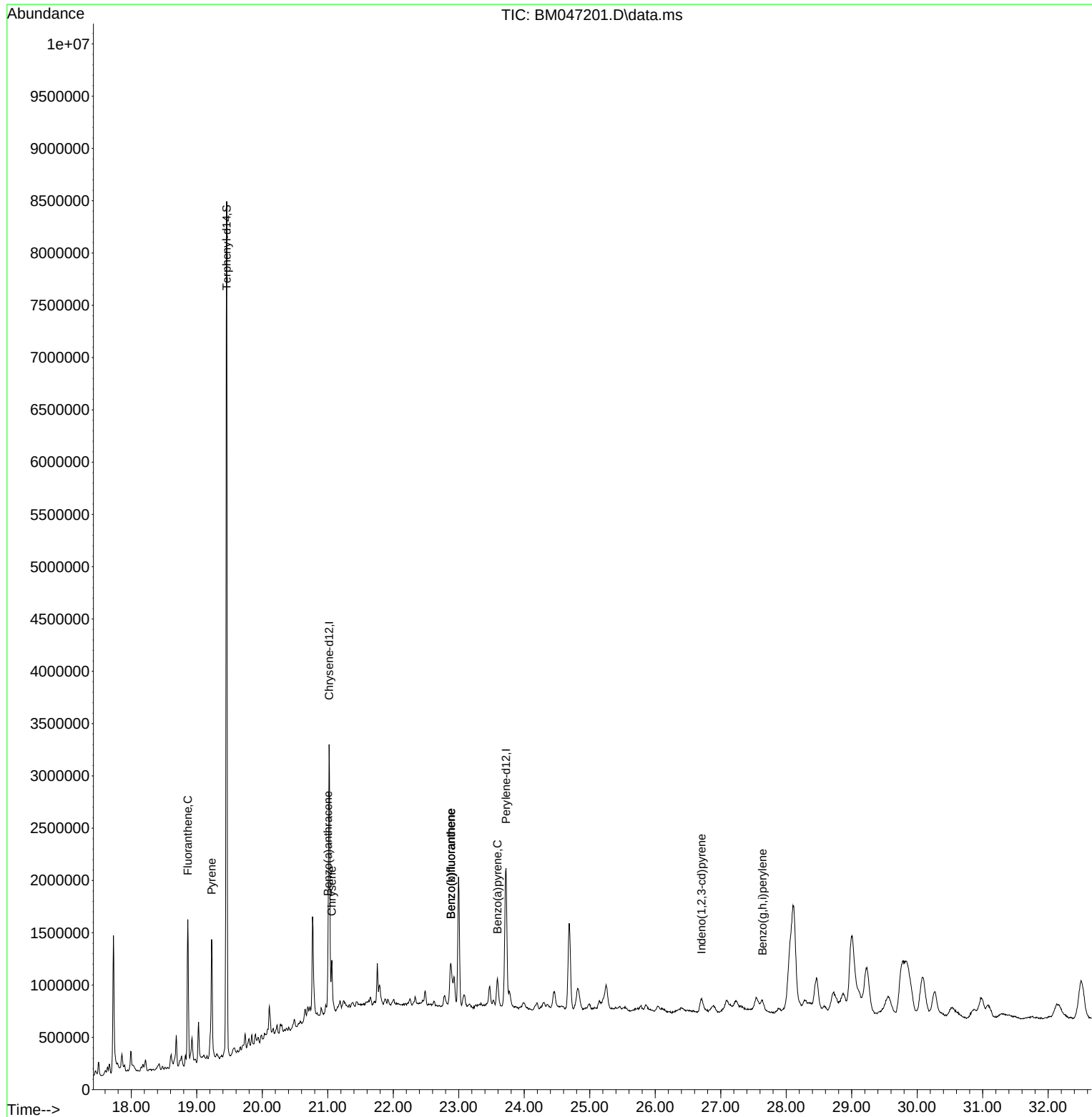
Quant Time: Aug 15 02:36:53 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration

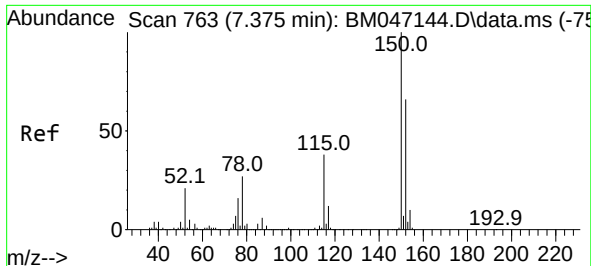


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081524\
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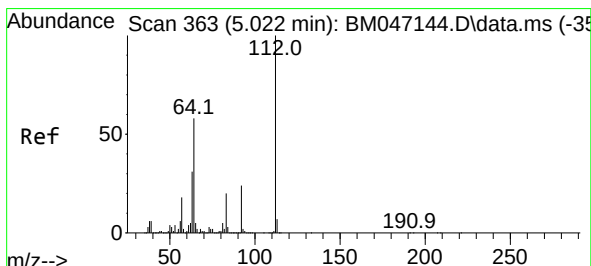
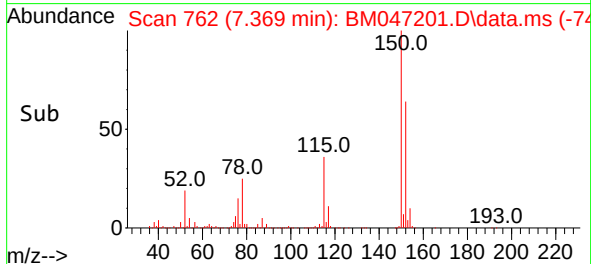
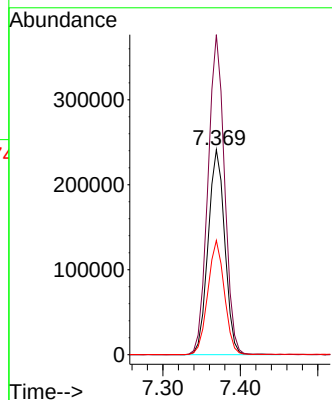
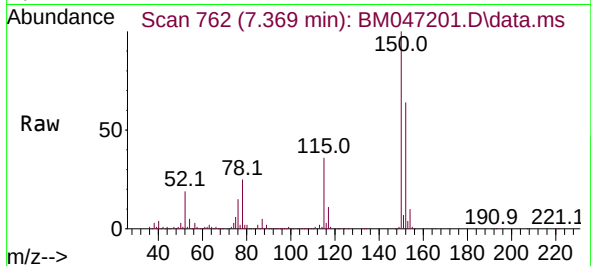




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.369 min Scan# 763
Delta R.T. -0.006 min
Lab File: BM047201.D
Acq: 14 Aug 2024 21:31

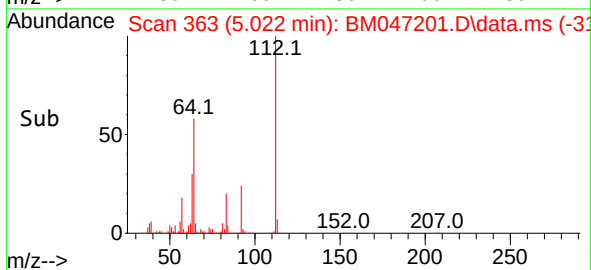
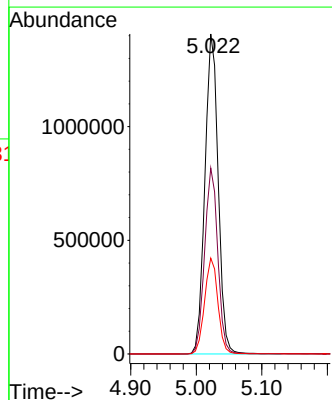
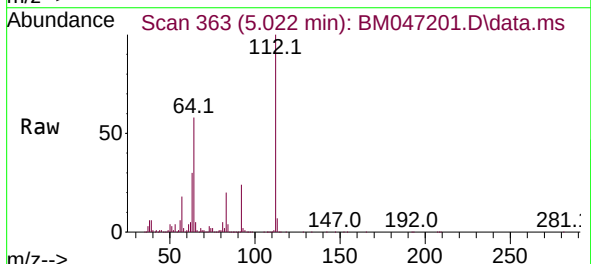
Instrument :
BNA_M
ClientSampleId :
OU4-TS-23-080724

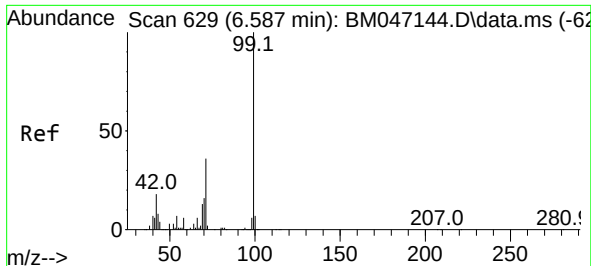
Tgt Ion:152 Resp: 359457
Ion Ratio Lower Upper
152 100
150 156.2 120.5 180.7
115 55.8 45.5 68.3



#5
2-Fluorophenol
Concen: 98.795 ng
RT: 5.022 min Scan# 363
Delta R.T. -0.000 min
Lab File: BM047201.D
Acq: 14 Aug 2024 21:31

Tgt Ion:112 Resp: 1987450
Ion Ratio Lower Upper
112 100
64 58.1 46.7 70.1
63 30.0 24.8 37.2



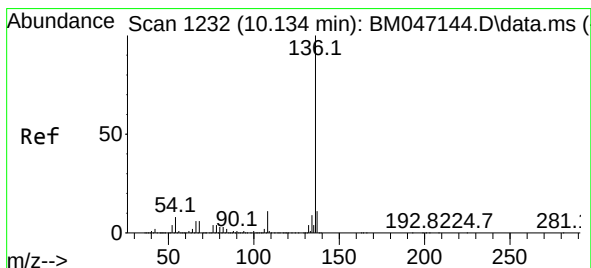
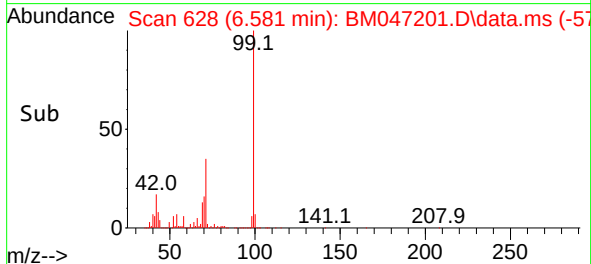
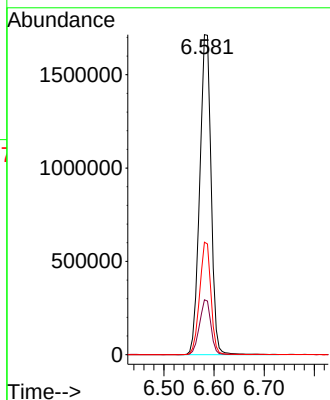
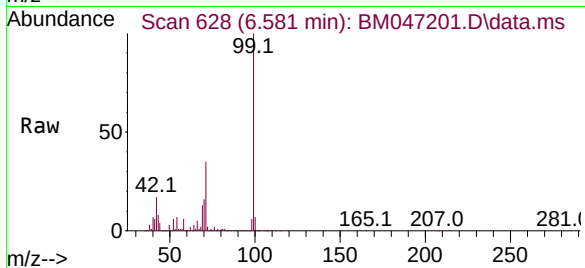


#7
Phenol-d6
Concen: 97.377 ng
RT: 6.581 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM047201.D
Acq: 14 Aug 2024 21:31

Instrument :
BNA_M
ClientSampleId :
OU4-TS-23-080724

Tgt Ion: 99 Resp: 2699237

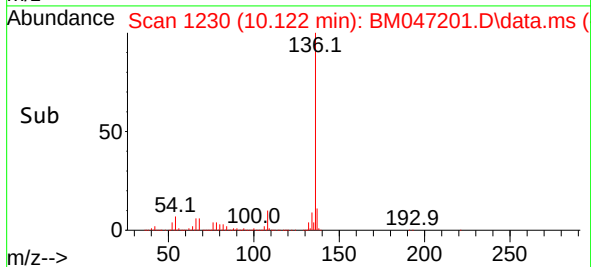
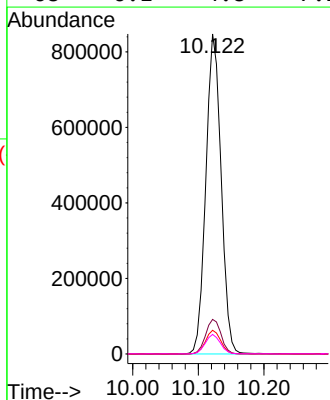
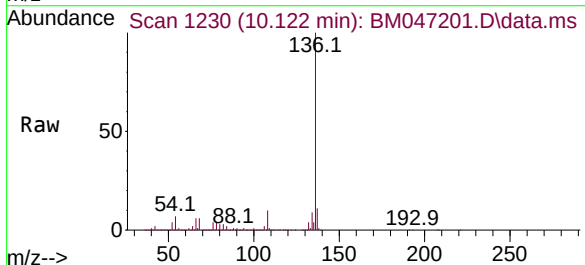
Ion	Ratio	Lower	Upper
99	100		
42	17.1	14.1	21.1
71	35.2	28.5	42.7

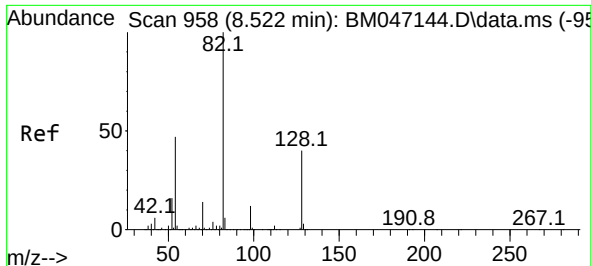


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.122 min Scan# 1230
Delta R.T. -0.012 min
Lab File: BM047201.D
Acq: 14 Aug 2024 21:31

Tgt Ion: 136 Resp: 1373110

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	7.4	6.0	9.0
68	6.1	4.8	7.2

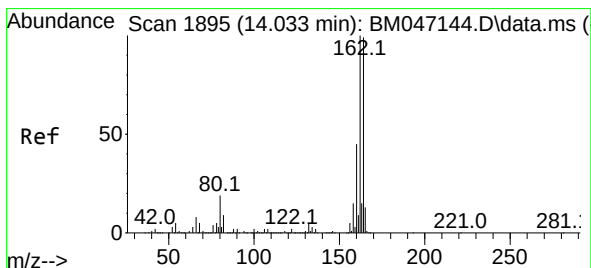
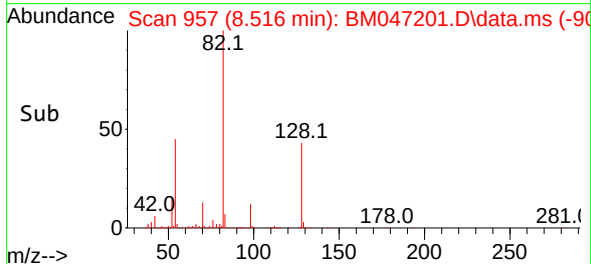
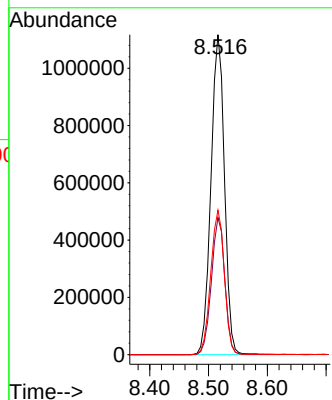
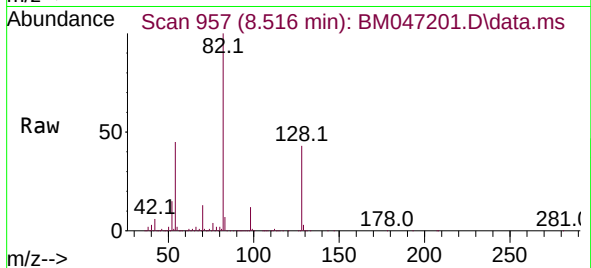




#23
Nitrobenzene-d5
Concen: 65.281 ng
RT: 8.516 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM047201.D
Acq: 14 Aug 2024 21:31

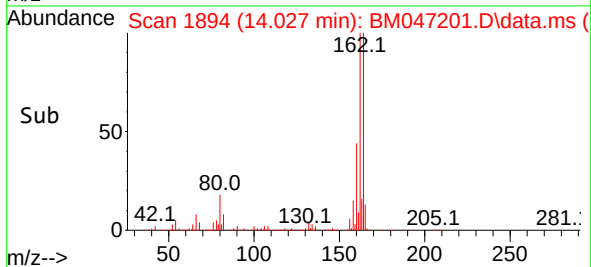
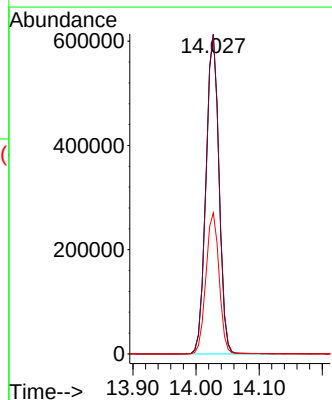
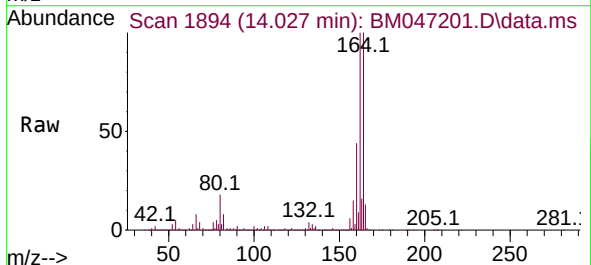
Instrument :
BNA_M
ClientSampleId :
OU4-TS-23-080724

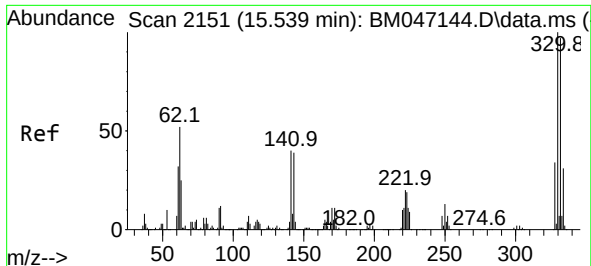
Tgt Ion: 82 Resp: 1780175
Ion Ratio Lower Upper
82 100
128 42.9 32.3 48.5
54 45.2 37.4 56.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.027 min Scan# 1894
Delta R.T. -0.006 min
Lab File: BM047201.D
Acq: 14 Aug 2024 21:31

Tgt Ion: 164 Resp: 877705
Ion Ratio Lower Upper
164 100
162 100.2 80.7 121.1
160 44.2 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 104.502 ng

RT: 15.533 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM047201.D

Acq: 14 Aug 2024 21:31

Instrument :

BNA_M

ClientSampleId :

OU4-TS-23-080724

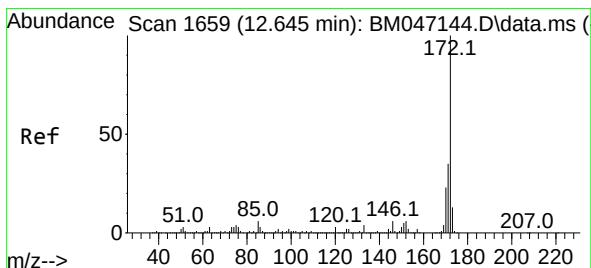
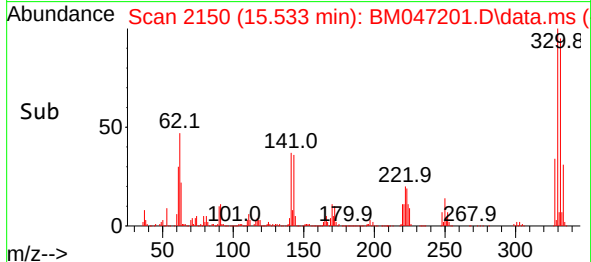
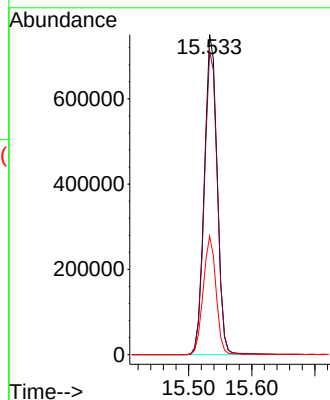
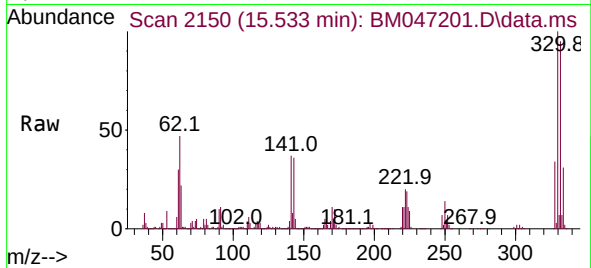
Tgt Ion:330 Resp: 1063533

Ion Ratio Lower Upper

330 100

332 96.3 77.4 116.2

141 36.6 31.6 47.4



#45

2-Fluorobiphenyl

Concen: 54.640 ng

RT: 12.633 min Scan# 1657

Delta R.T. -0.012 min

Lab File: BM047201.D

Acq: 14 Aug 2024 21:31

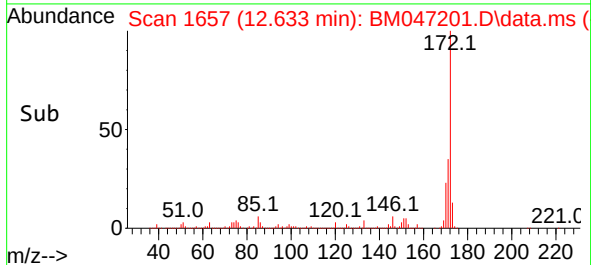
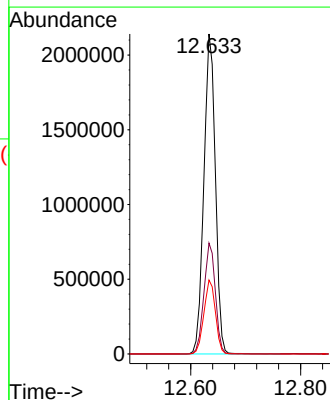
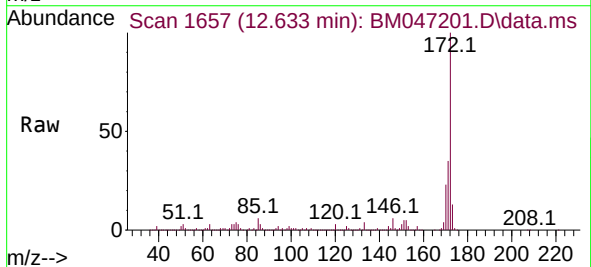
Tgt Ion:172 Resp: 3109043

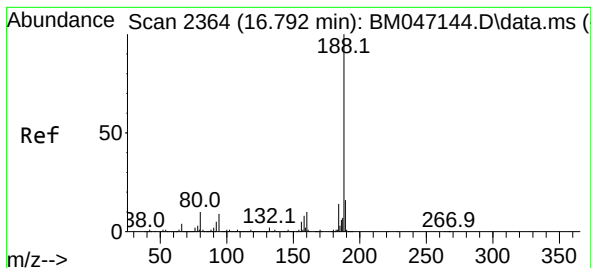
Ion Ratio Lower Upper

172 100

171 34.6 27.8 41.6

170 23.1 18.7 28.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.786 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM047201.D

Acq: 14 Aug 2024 21:31

Instrument :

BNA_M

ClientSampleId :

OU4-TS-23-080724

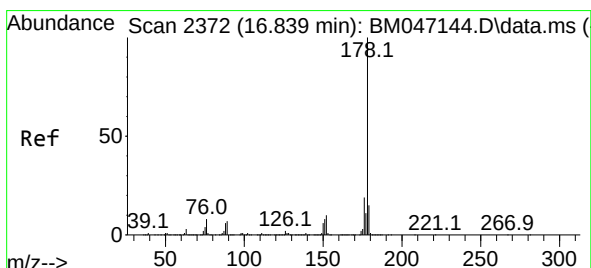
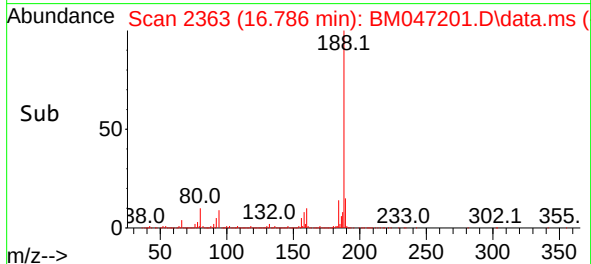
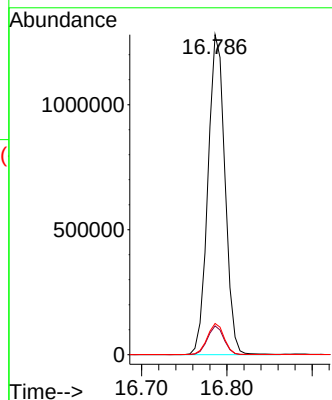
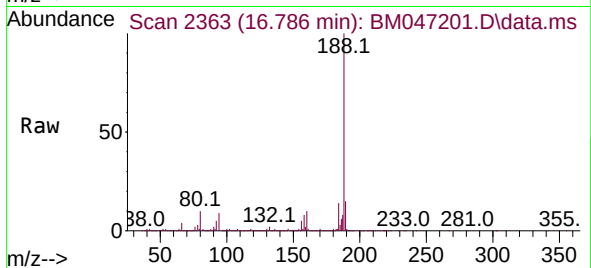
Tgt Ion:188 Resp: 1776465

Ion Ratio Lower Upper

188 100

94 9.0 7.0 10.6

80 9.8 8.0 12.0



#71

Phenanthrene

Concen: 4.518 ng

RT: 16.827 min Scan# 2370

Delta R.T. -0.012 min

Lab File: BM047201.D

Acq: 14 Aug 2024 21:31

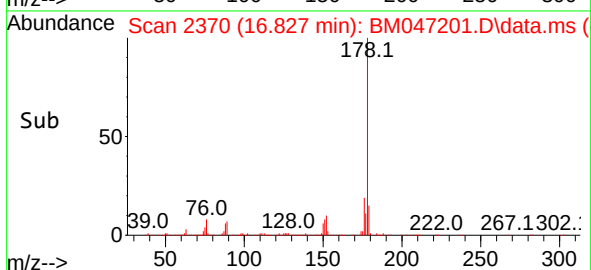
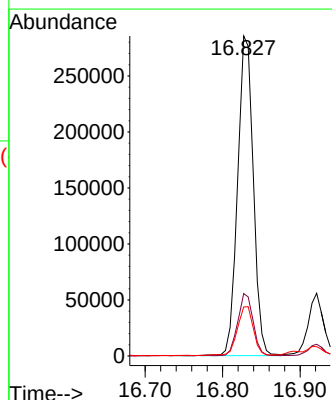
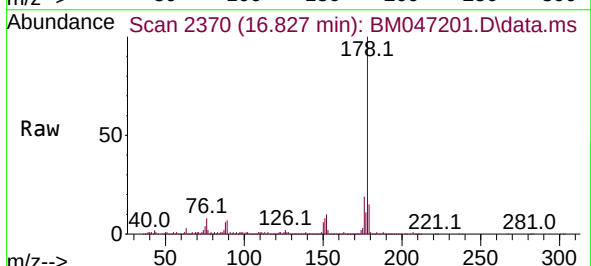
Tgt Ion:178 Resp: 402795

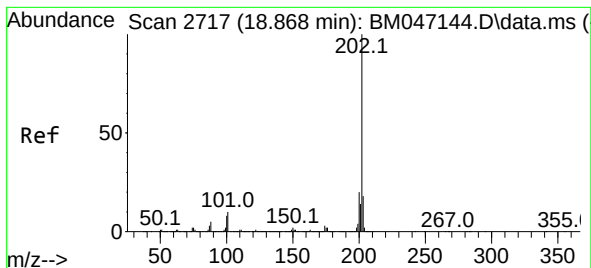
Ion Ratio Lower Upper

178 100

176 19.5 15.3 22.9

179 15.3 12.4 18.6





#75

Fluoranthene

Concen: 7.529 ng

RT: 18.862 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM047201.D

Acq: 14 Aug 2024 21:31

Instrument :

BNA_M

ClientSampleId :

OU4-TS-23-080724

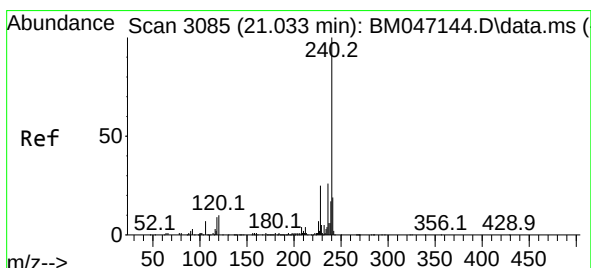
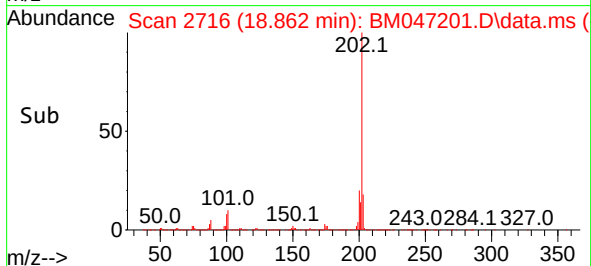
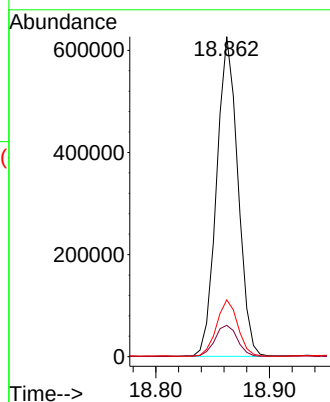
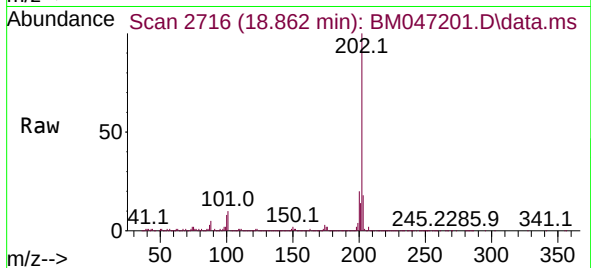
Tgt Ion:202 Resp: 816451

Ion Ratio Lower Upper

202 100

101 9.8 0.0 30.2

203 17.8 0.0 37.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.021 min Scan# 3083

Delta R.T. -0.012 min

Lab File: BM047201.D

Acq: 14 Aug 2024 21:31

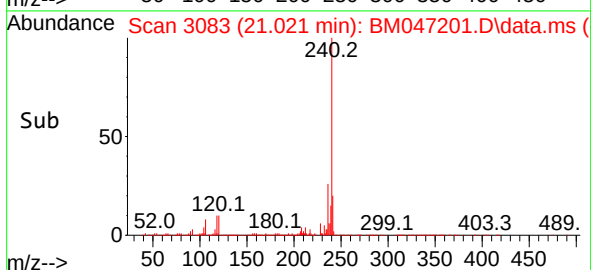
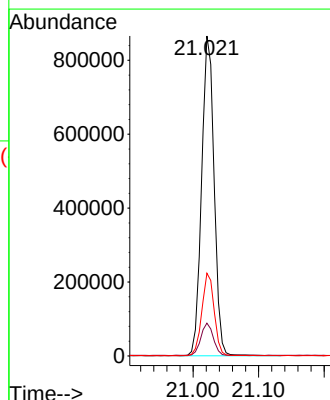
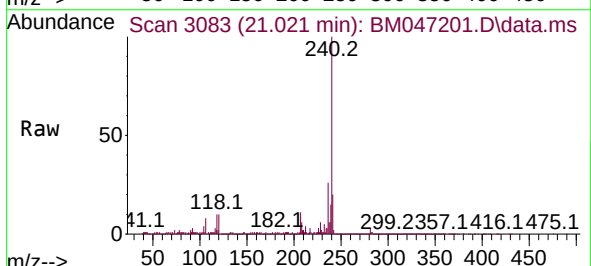
Tgt Ion:240 Resp: 1148910

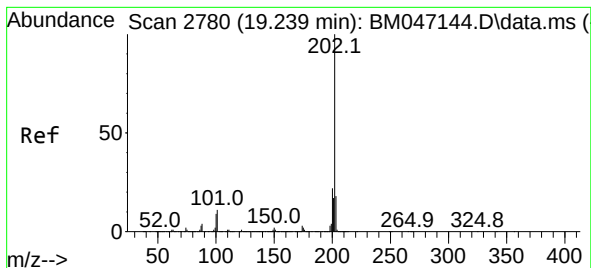
Ion Ratio Lower Upper

240 100

120 10.3 8.2 12.2

236 25.9 20.6 30.8





#78

Pyrene

Concen: 8.532 ng

RT: 19.227 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM047201.D

Acq: 14 Aug 2024 21:31

Instrument :

BNA_M

ClientSampleId :

OU4-TS-23-080724

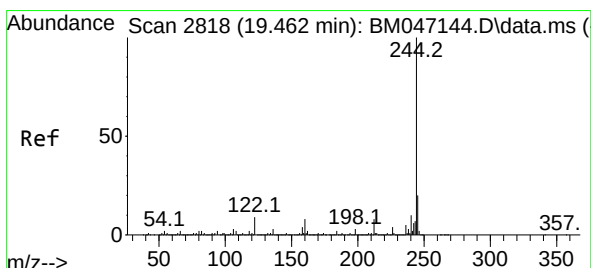
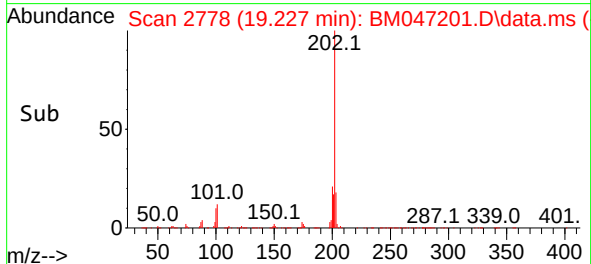
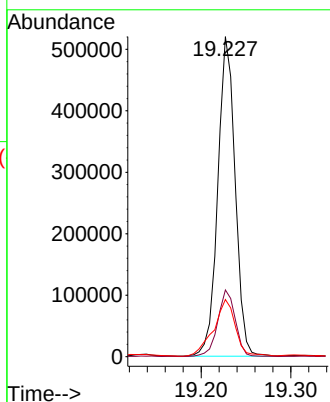
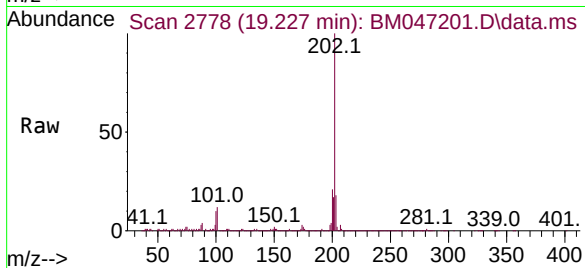
Tgt Ion:202 Resp: 699912

Ion Ratio Lower Upper

202 100

200 20.8 17.2 25.8

203 17.9 14.2 21.2



#79

Terphenyl-d14

Concen: 70.044 ng

RT: 19.456 min Scan# 2817

Delta R.T. -0.006 min

Lab File: BM047201.D

Acq: 14 Aug 2024 21:31

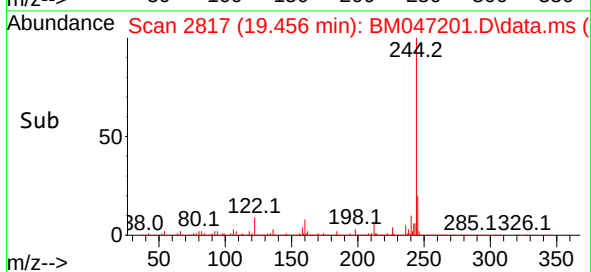
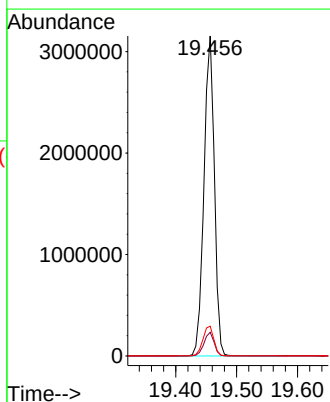
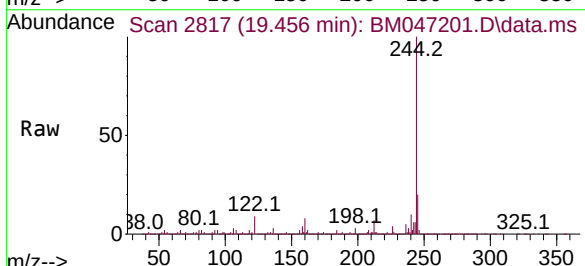
Tgt Ion:244 Resp: 3755649

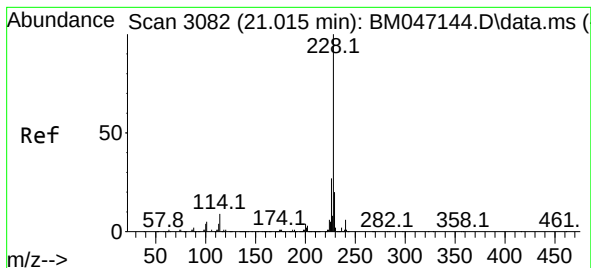
Ion Ratio Lower Upper

244 100

212 7.4 6.2 9.4

122 9.3 7.1 10.7





#81

Benzo(a)anthracene

Concen: 3.756 ng

RT: 21.003 min Scan# 3080

Delta R.T. -0.012 min

Lab File: BM047201.D

Acq: 14 Aug 2024 21:31

Instrument :

BNA_M

ClientSampleId :

OU4-TS-23-080724

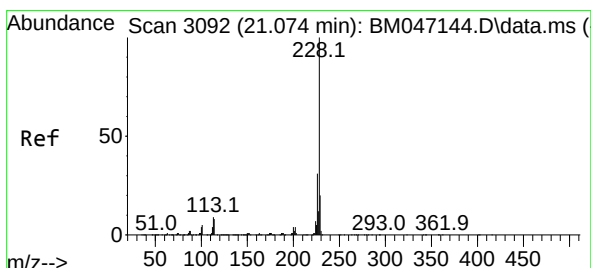
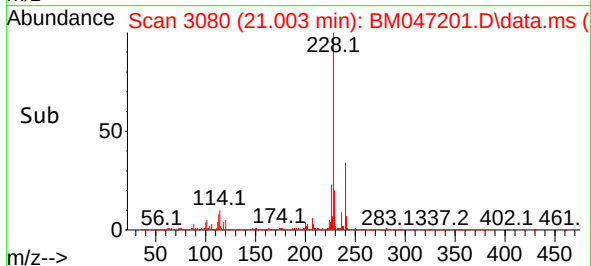
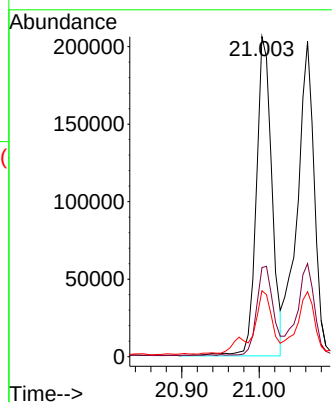
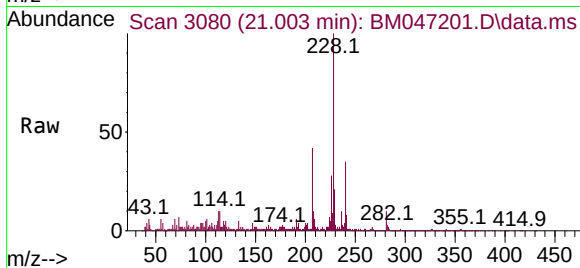
Tgt Ion:228 Resp: 286505

Ion Ratio Lower Upper

228 100

226 27.9 21.8 32.6

229 20.6 15.8 23.8



#83

Chrysene

Concen: 4.311 ng

RT: 21.062 min Scan# 3090

Delta R.T. -0.012 min

Lab File: BM047201.D

Acq: 14 Aug 2024 21:31

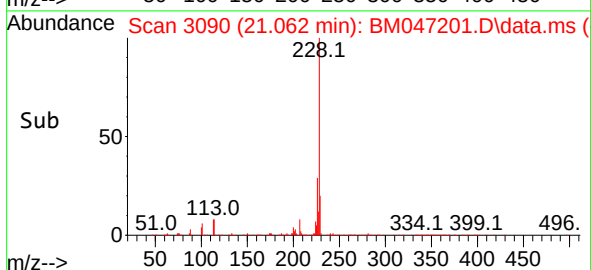
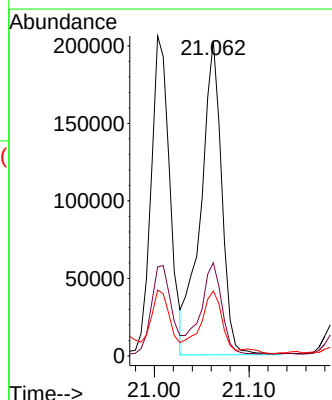
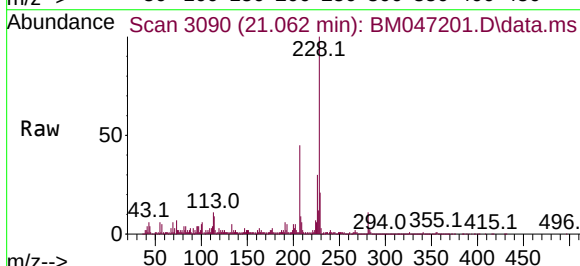
Tgt Ion:228 Resp: 311953

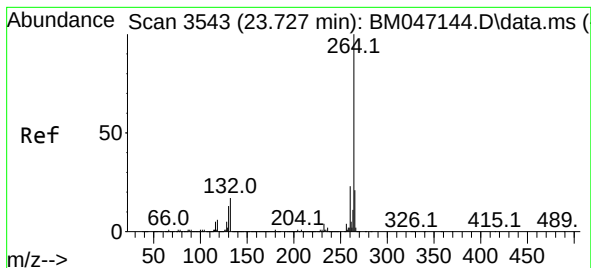
Ion Ratio Lower Upper

228 100

226 29.5 24.4 36.6

229 20.6 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.721 min Scan# 3

Delta R.T. -0.006 min

Lab File: BM047201.D

Acq: 14 Aug 2024 21:31

Instrument :

BNA_M

ClientSampleId :

OU4-TS-23-080724

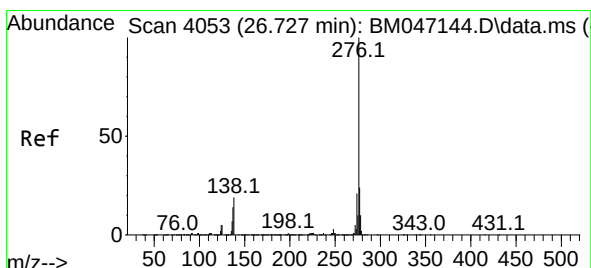
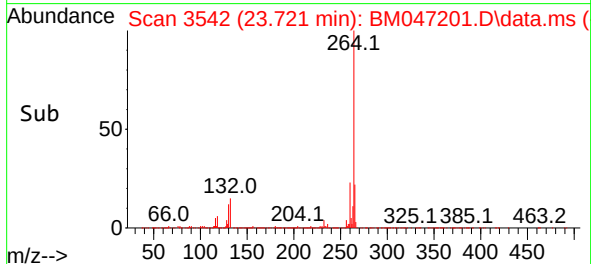
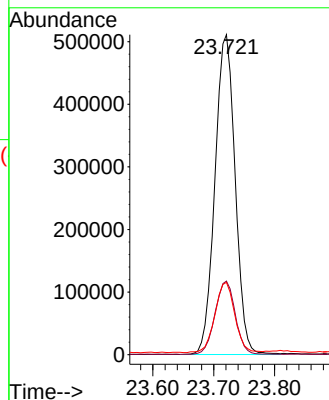
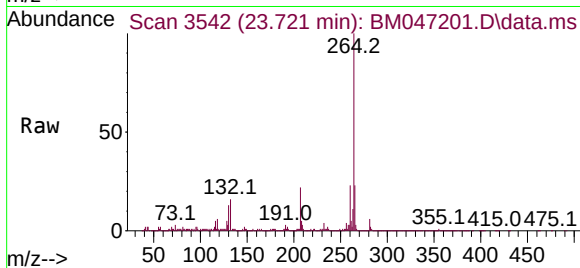
Tgt Ion:264 Resp: 1176743

Ion Ratio Lower Upper

264 100

260 23.0 18.5 27.7

265 22.6 17.3 25.9



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.325 ng

RT: 26.709 min Scan# 4050

Delta R.T. -0.018 min

Lab File: BM047201.D

Acq: 14 Aug 2024 21:31

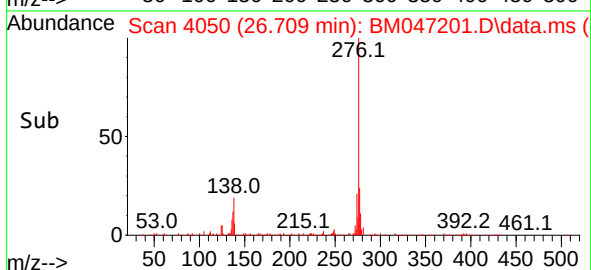
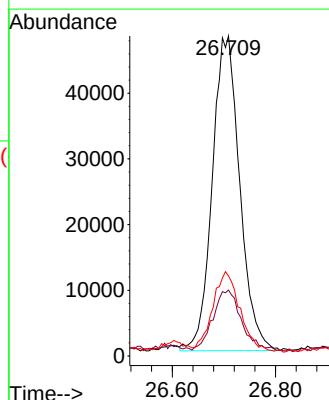
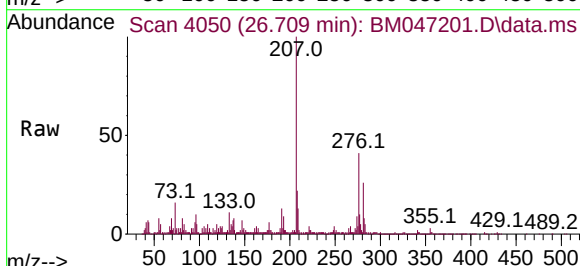
Tgt Ion:276 Resp: 176846

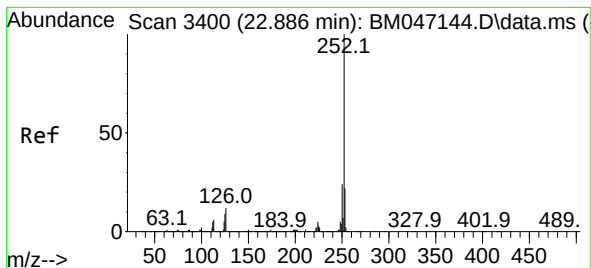
Ion Ratio Lower Upper

276 100

138 19.9 19.4 29.0

277 24.9 20.1 30.1





#88

Benzo(b)fluoranthene

Concen: 5.500 ng

RT: 22.880 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM047201.D

Acq: 14 Aug 2024 21:31

Instrument :

BNA_M

ClientSampleId :

OU4-TS-23-080724

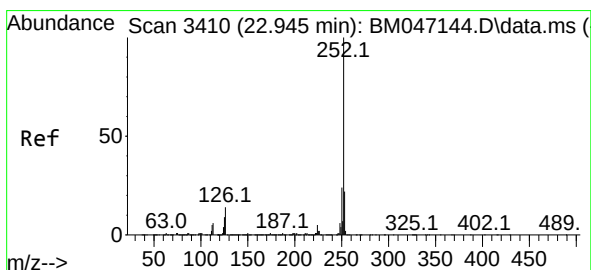
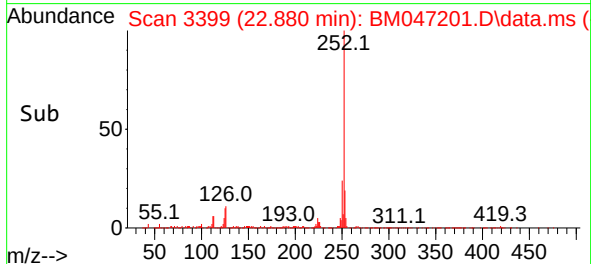
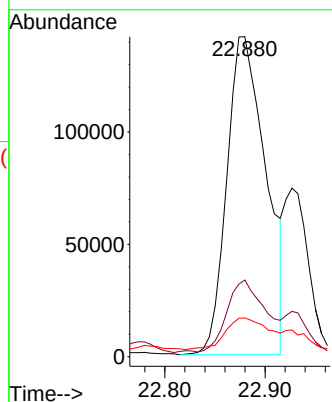
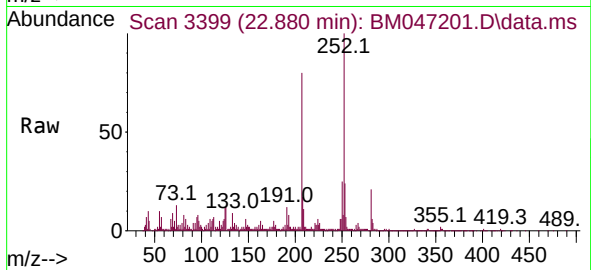
Tgt Ion:252 Resp: 384341

Ion Ratio Lower Upper

252 100

253 24.0 17.8 26.6

125 12.1 7.4 11.0#



#89

Benzo(k)fluoranthene

Concen: 5.823 ng

RT: 22.880 min Scan# 3399

Delta R.T. -0.065 min

Lab File: BM047201.D

Acq: 14 Aug 2024 21:31

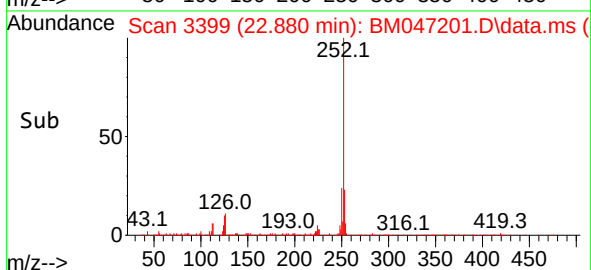
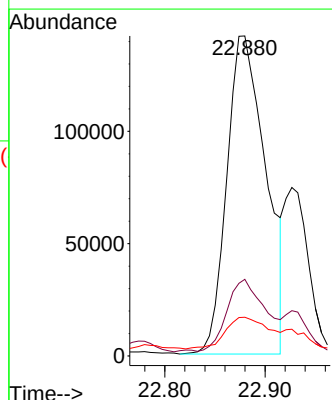
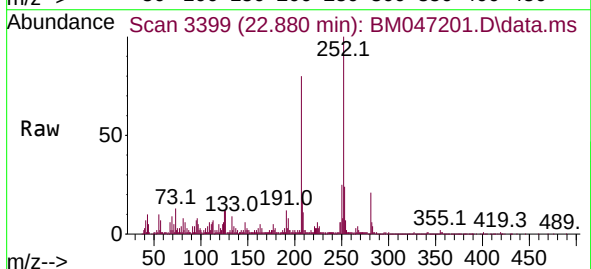
Tgt Ion:252 Resp: 384341

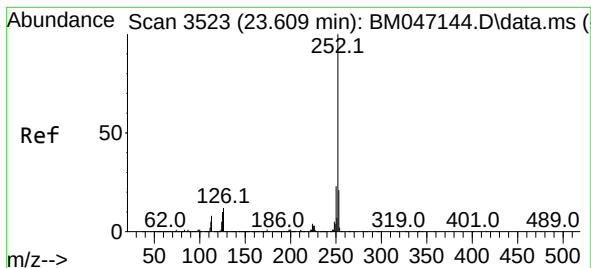
Ion Ratio Lower Upper

252 100

253 24.0 17.7 26.5

125 12.1 7.4 11.2#





#90

Benzo(a)pyrene

Concen: 3.954 ng

RT: 23.591 min Scan# 31

Delta R.T. -0.018 min

Lab File: BM047201.D

Acq: 14 Aug 2024 21:31

Instrument :

BNA_M

ClientSampleId :

OU4-TS-23-080724

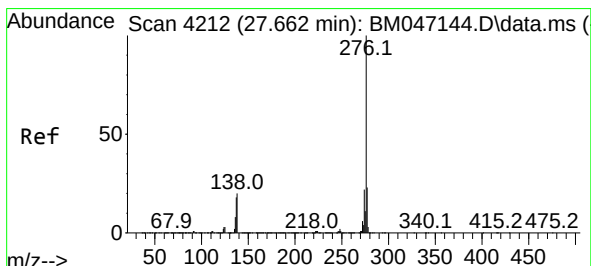
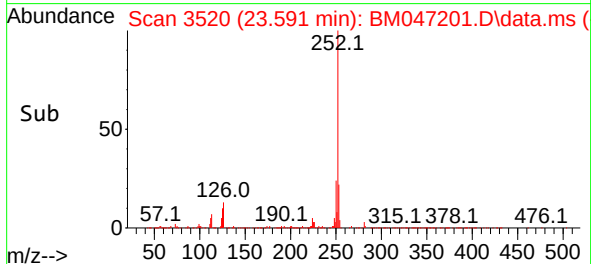
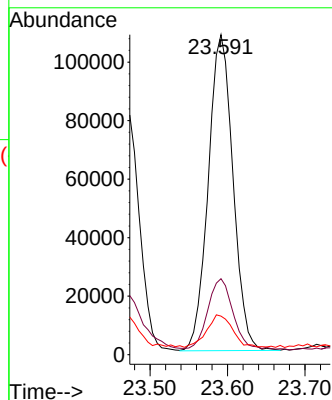
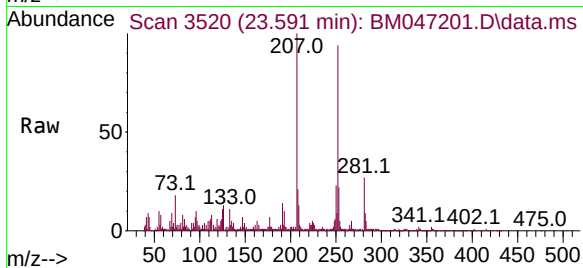
Tgt Ion:252 Resp: 239369

Ion Ratio Lower Upper

252 100

253 23.7 17.1 25.7

125 12.0 8.2 12.2



#92

Benzo(g,h,i)perylene

Concen: 2.782 ng

RT: 27.638 min Scan# 4208

Delta R.T. -0.024 min

Lab File: BM047201.D

Acq: 14 Aug 2024 21:31

Tgt Ion:276 Resp: 177773

Ion Ratio Lower Upper

276 100

277 24.3 18.8 28.2

138 20.5 16.2 24.4

