

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081524\
 Data File : BM047197.D
 Acq On : 14 Aug 2024 18:51
 Operator : RC/JU
 Sample : P3519-07
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 OU4-TS-19-080724

Quant Time: Aug 15 02:34:48 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)

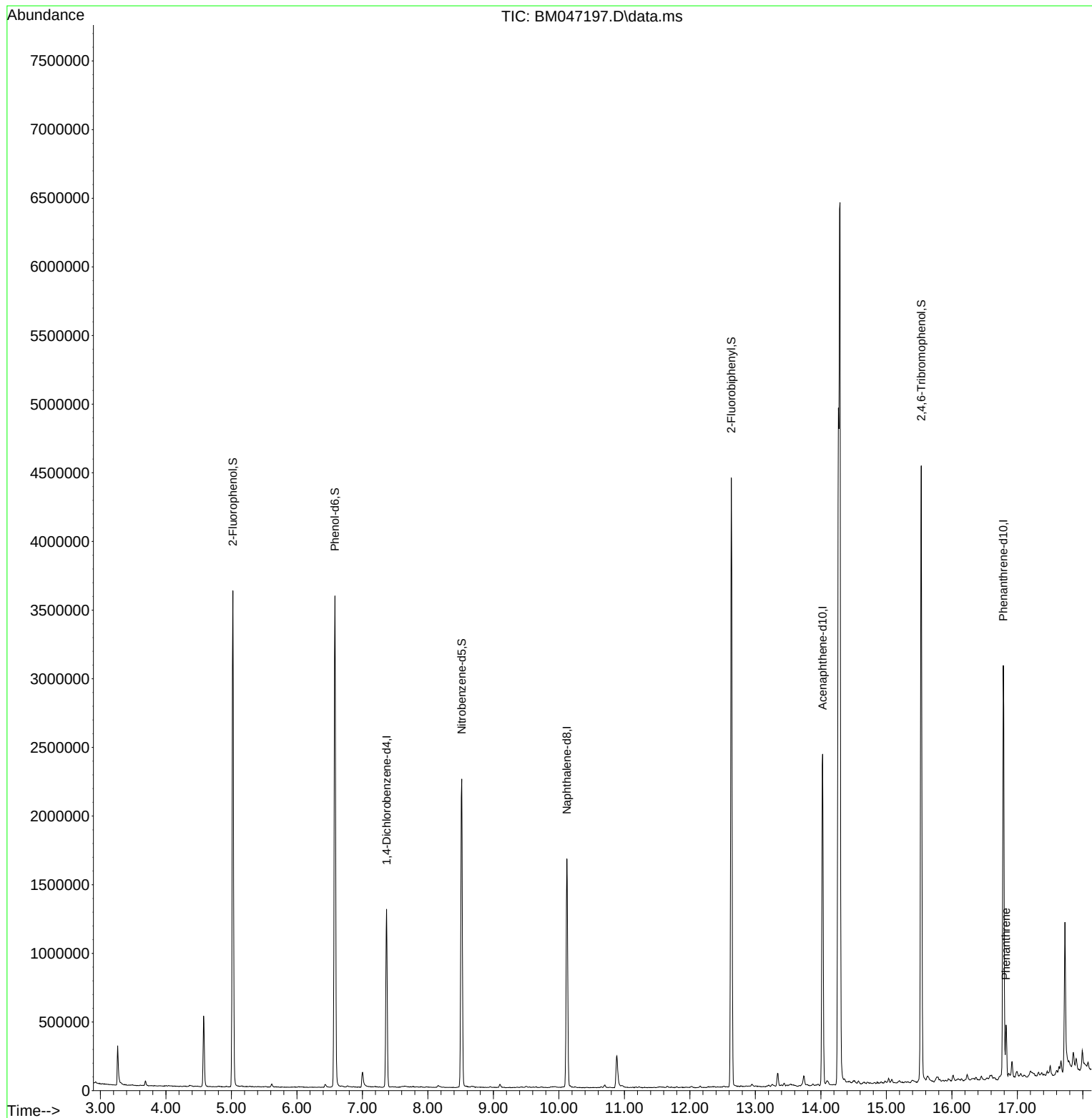
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.369	152	345546	20.000	ng	0.00
21) Naphthalene-d8	10.122	136	1338830	20.000	ng	-0.01
39) Acenaphthene-d10	14.027	164	855094	20.000	ng	0.00
64) Phenanthrene-d10	16.786	188	1770559	20.000	ng	0.00
76) Chrysene-d12	21.021	240	1273712	20.000	ng	-0.01
86) Perylene-d12	23.721	264	1243471	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.022	112	1498560	77.492	ng	0.00
7) Phenol-d6	6.581	99	2010474	75.450	ng	0.00
23) Nitrobenzene-d5	8.516	82	1317310	49.544	ng	0.00
42) 2,4,6-Tribromophenol	15.533	330	778848	78.553	ng	0.00
45) 2-Fluorobiphenyl	12.633	172	2266184	40.880	ng	-0.01
79) Terphenyl-d14	19.456	244	2946279	49.565	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.528	77	885	Below Cal	#	42
71) Phenanthrene	16.827	178	226266	2.546	ng	100
75) Fluoranthene	18.862	202	490792	4.541	ng	100
78) Pyrene	19.227	202	456229	5.016	ng	99
81) Benzo(a)anthracene	21.003	228	200542	2.372	ng	98
83) Chrysene	21.062	228	218602	2.725	ng	99
88) Benzo(b)fluoranthene	22.874	252	247300	3.349	ng	# 92
89) Benzo(k)fluoranthene	22.874	252	247300	3.546	ng	# 92
90) Benzo(a)pyrene	23.591	252	160803	2.514	ng	# 91

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

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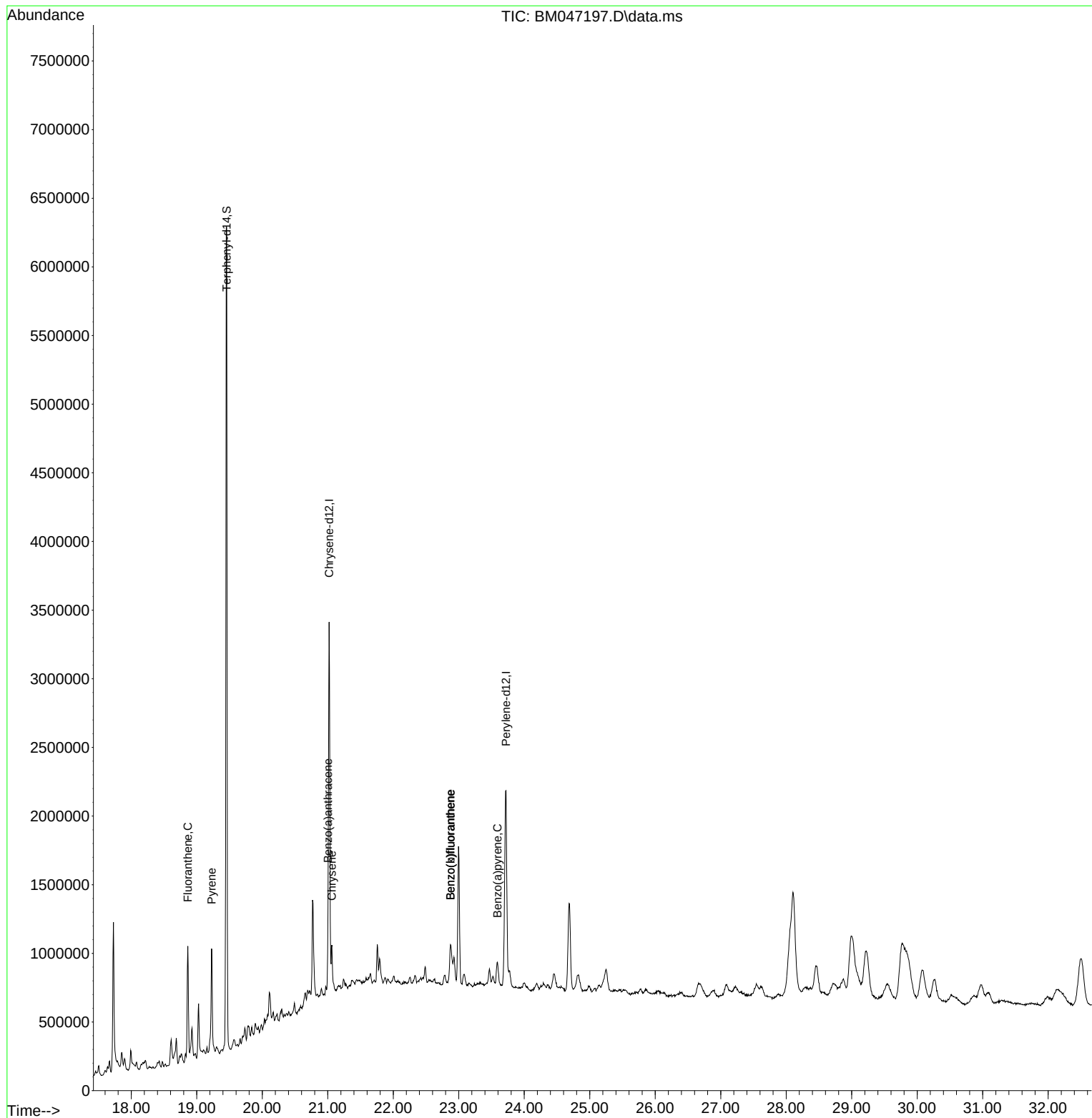
Quant Time: Aug 15 02:34:48 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration

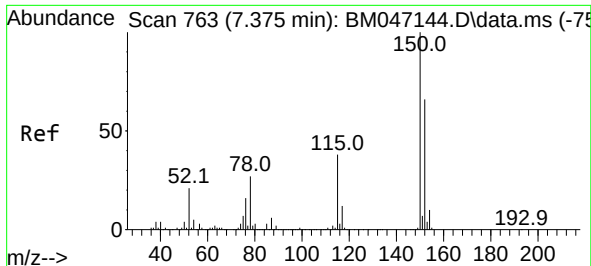


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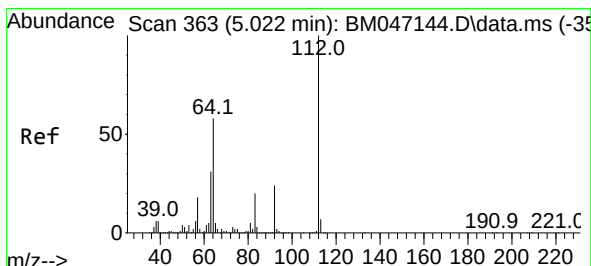
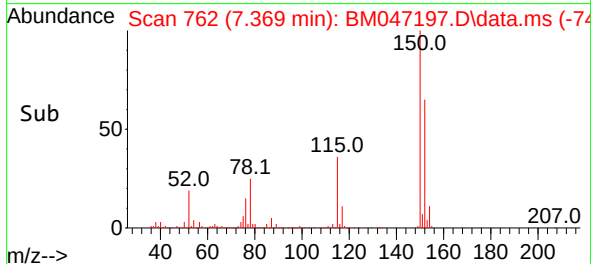
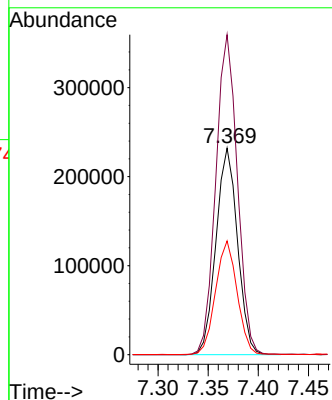
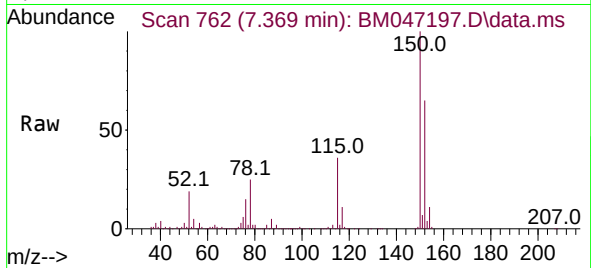




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.369 min Scan# 763
Delta R.T. -0.006 min
Lab File: BM047197.D
Acq: 14 Aug 2024 18:51

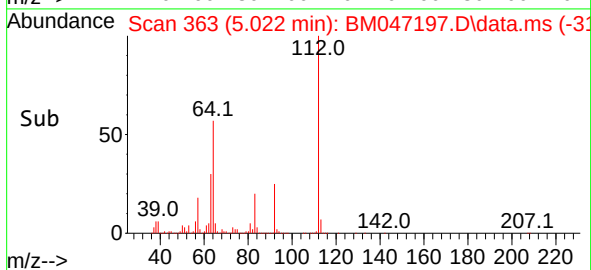
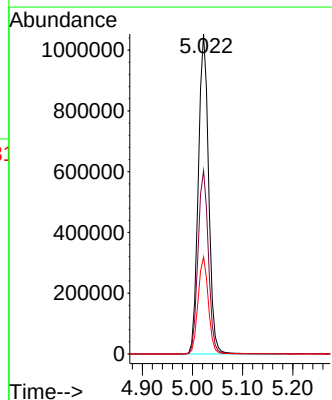
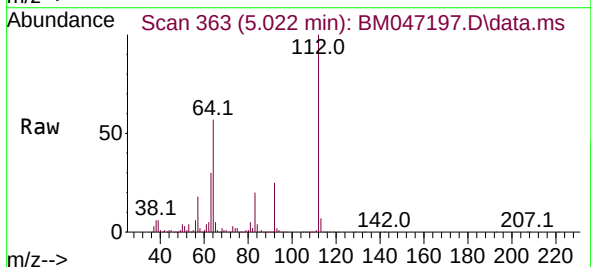
Instrument :
BNA_M
ClientSampleId :
OU4-TS-19-080724

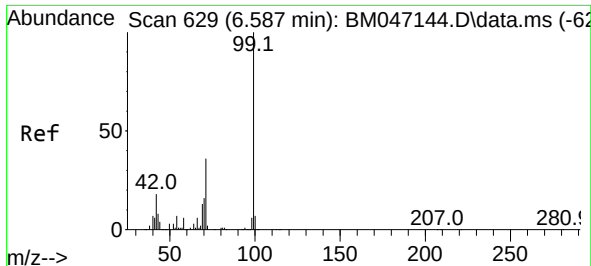
Tgt Ion:152 Resp: 345546
Ion Ratio Lower Upper
152 100
150 154.9 120.5 180.7
115 55.1 45.5 68.3



#5
2-Fluorophenol
Concen: 77.492 ng
RT: 5.022 min Scan# 363
Delta R.T. -0.000 min
Lab File: BM047197.D
Acq: 14 Aug 2024 18:51

Tgt Ion:112 Resp: 1498560
Ion Ratio Lower Upper
112 100
64 57.3 46.7 70.1
63 30.3 24.8 37.2



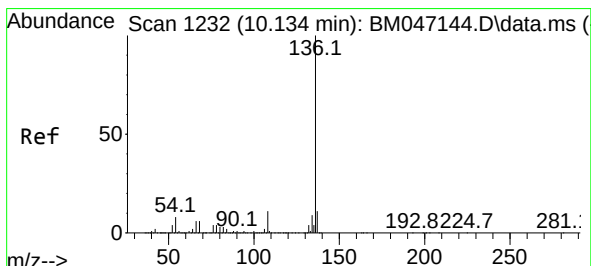
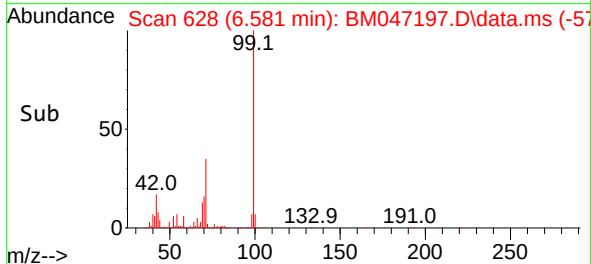
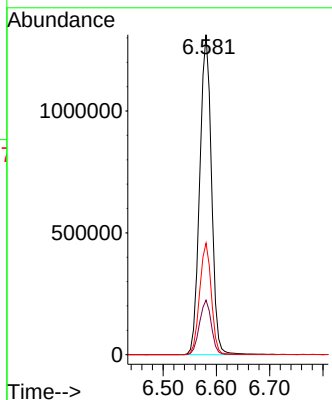
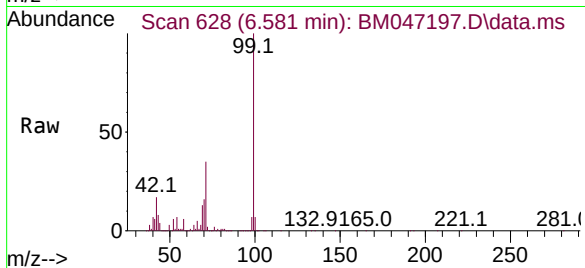


#7
Phenol-d6
Concen: 75.450 ng
RT: 6.581 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM047197.D
Acq: 14 Aug 2024 18:51

Instrument :
BNA_M
ClientSampleId :
OU4-TS-19-080724

Tgt Ion: 99 Resp: 2010474

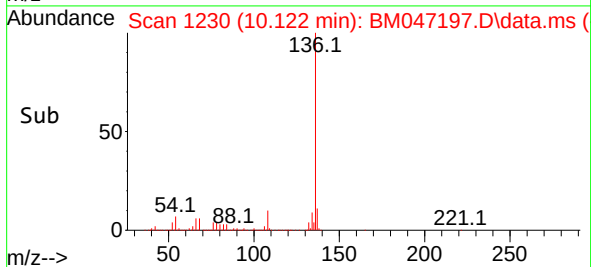
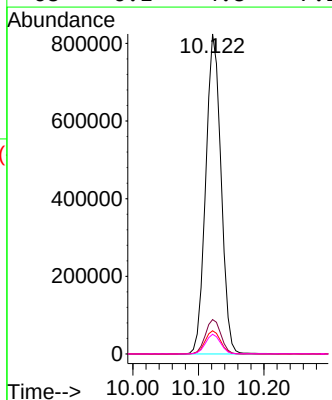
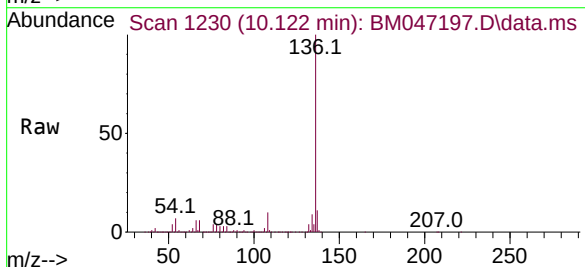
Ion	Ratio	Lower	Upper
99	100		
42	17.1	14.1	21.1
71	34.9	28.5	42.7

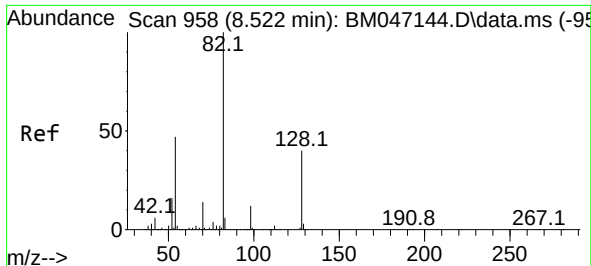


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.122 min Scan# 1230
Delta R.T. -0.012 min
Lab File: BM047197.D
Acq: 14 Aug 2024 18:51

Tgt Ion: 136 Resp: 1338830

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	7.3	6.0	9.0
68	6.1	4.8	7.2

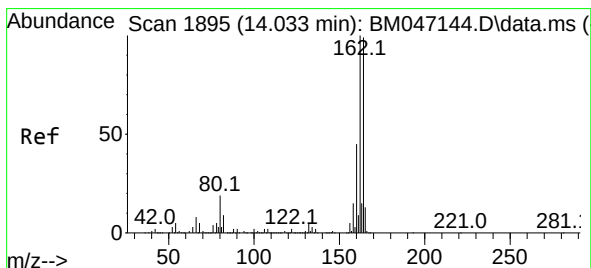
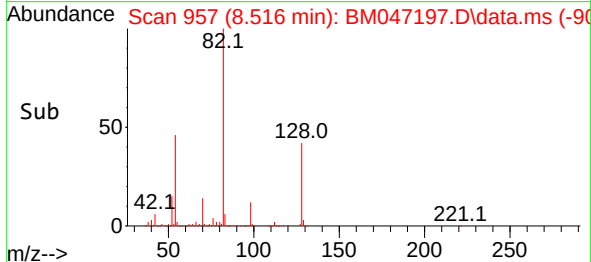
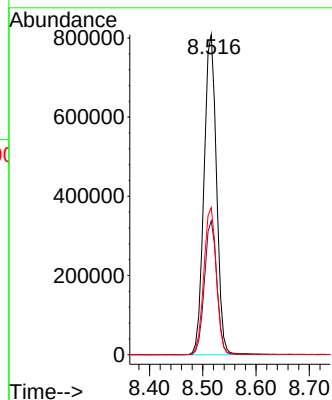
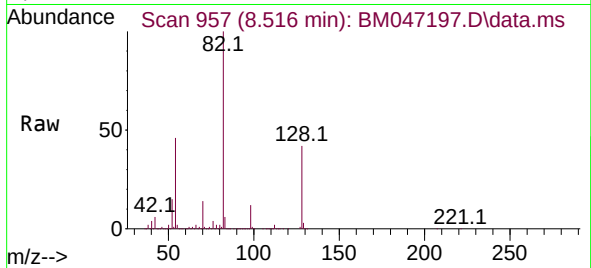




#23
Nitrobenzene-d5
Concen: 49.544 ng
RT: 8.516 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM047197.D
Acq: 14 Aug 2024 18:51

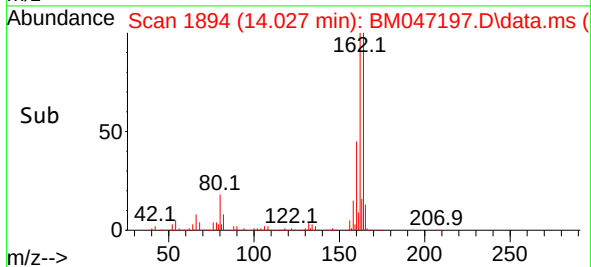
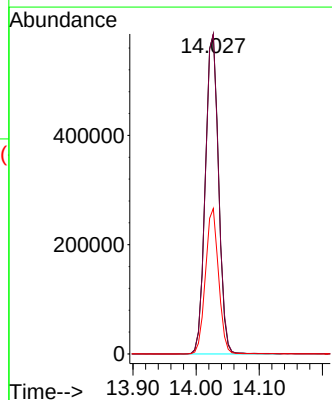
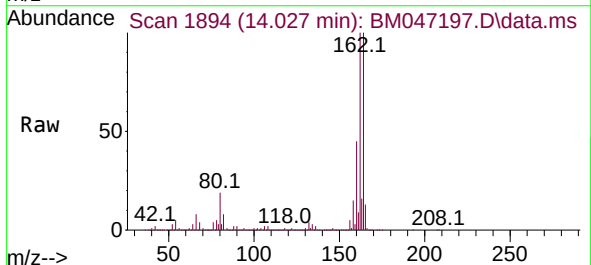
Instrument :
BNA_M
ClientSampleId :
OU4-TS-19-080724

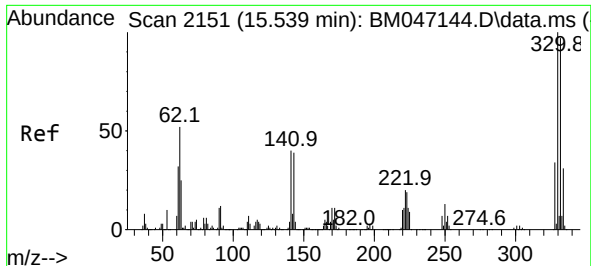
Tgt Ion: 82 Resp: 1317310
Ion Ratio Lower Upper
82 100
128 41.8 32.3 48.5
54 46.0 37.4 56.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.027 min Scan# 1894
Delta R.T. -0.006 min
Lab File: BM047197.D
Acq: 14 Aug 2024 18:51

Tgt Ion: 164 Resp: 855094
Ion Ratio Lower Upper
164 100
162 100.2 80.7 121.1
160 45.5 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 78.553 ng

RT: 15.533 min Scan# 2151

Delta R.T. -0.006 min

Lab File: BM047197.D

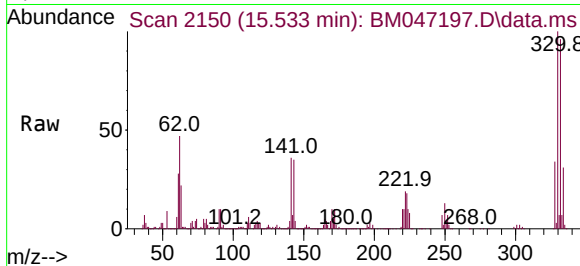
Acq: 14 Aug 2024 18:51

Instrument :

BNA_M

ClientSampleId :

OU4-TS-19-080724



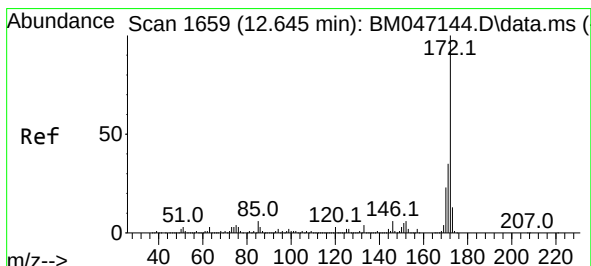
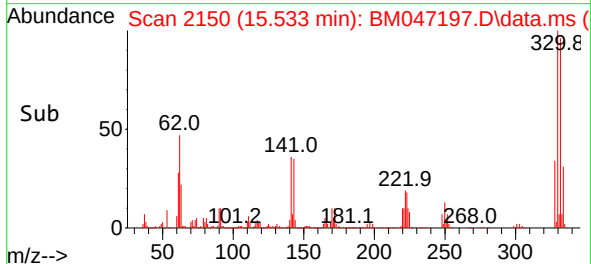
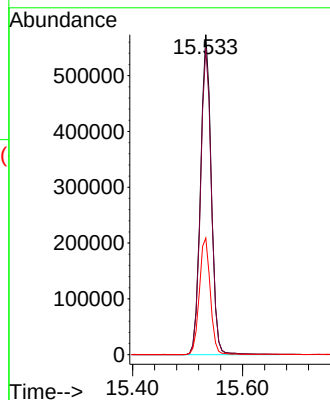
Tgt Ion:330 Resp: 778848

Ion Ratio Lower Upper

330 100

332 96.6 77.4 116.2

141 37.1 31.6 47.4



#45

2-Fluorobiphenyl

Concen: 40.880 ng

RT: 12.633 min Scan# 1657

Delta R.T. -0.012 min

Lab File: BM047197.D

Acq: 14 Aug 2024 18:51

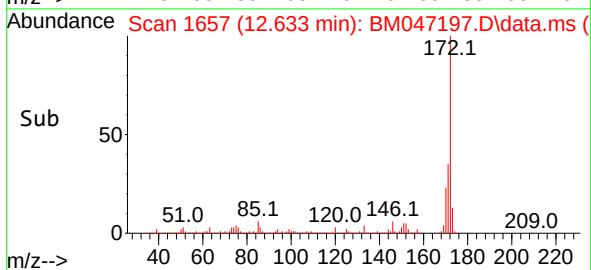
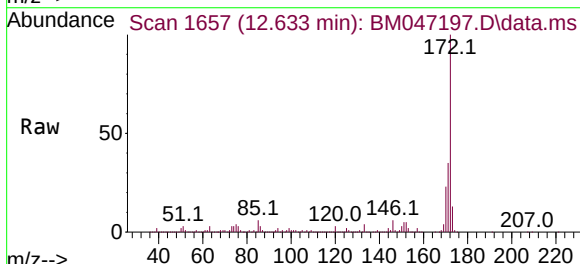
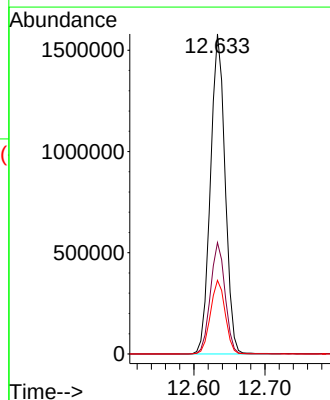
Tgt Ion:172 Resp: 2266184

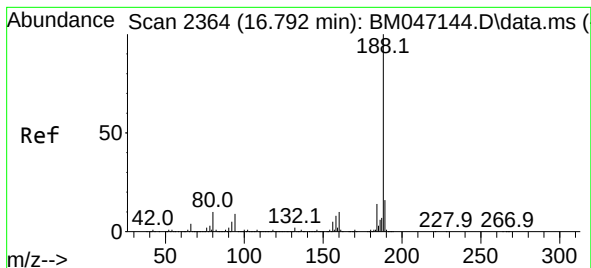
Ion Ratio Lower Upper

172 100

171 34.8 27.8 41.6

170 23.0 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: BM047197.D

Acq: 14 Aug 2024 18:51

Instrument :

BNA_M

ClientSampleId :

OU4-TS-19-080724

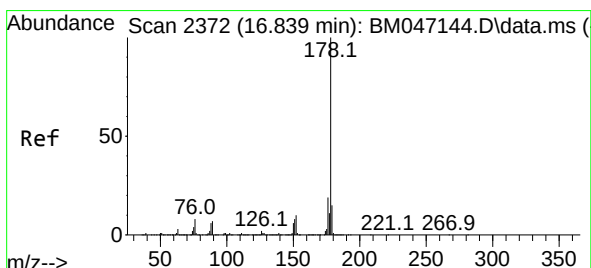
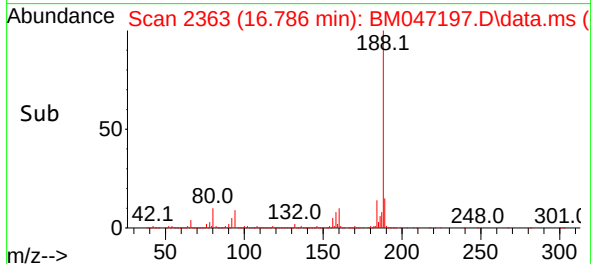
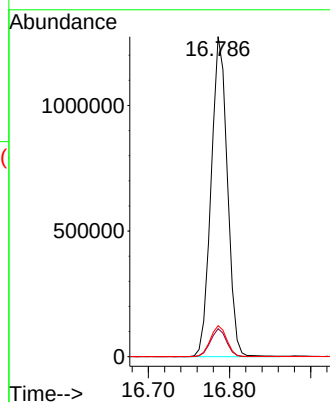
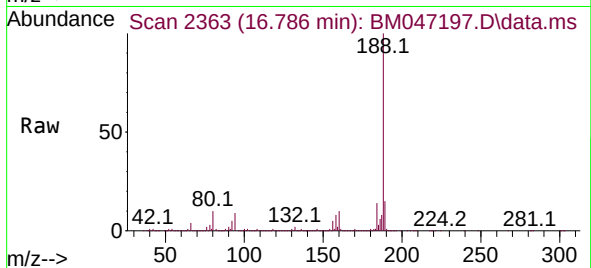
Tgt Ion:188 Resp: 1770559

Ion Ratio Lower Upper

188 100

94 8.7 7.0 10.6

80 9.7 8.0 12.0



#71

Phenanthrene

Concen: 2.546 ng

RT: 16.827 min Scan# 2370

Delta R.T. -0.012 min

Lab File: BM047197.D

Acq: 14 Aug 2024 18:51

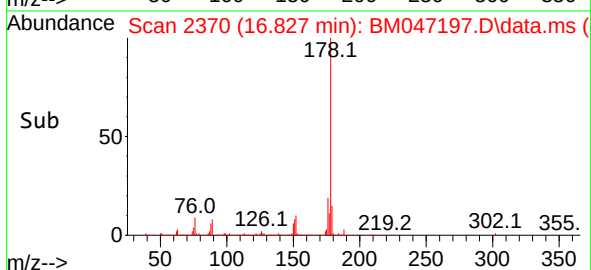
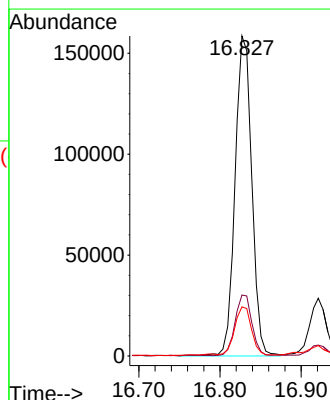
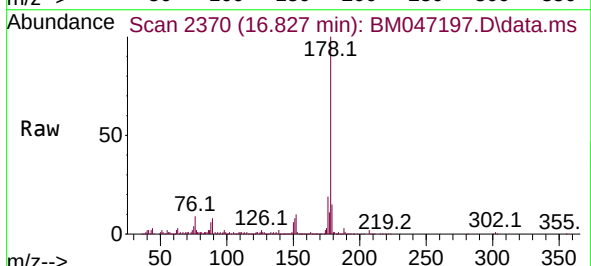
Tgt Ion:178 Resp: 226266

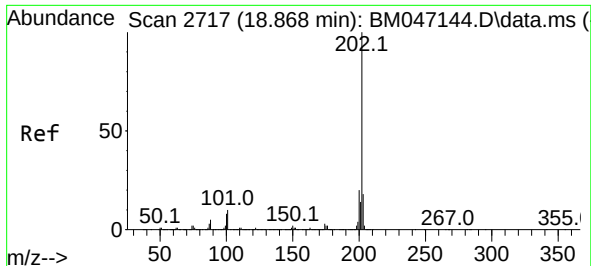
Ion Ratio Lower Upper

178 100

176 19.0 15.3 22.9

179 15.4 12.4 18.6

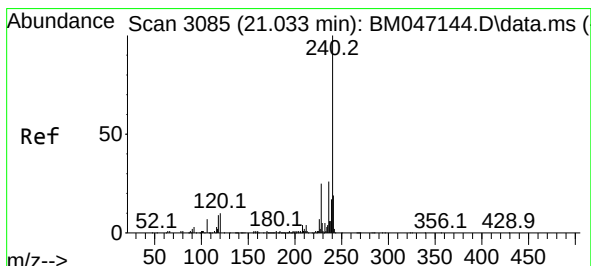
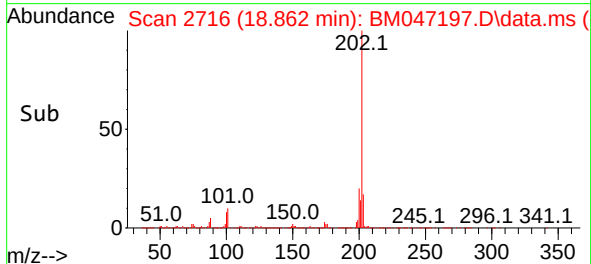
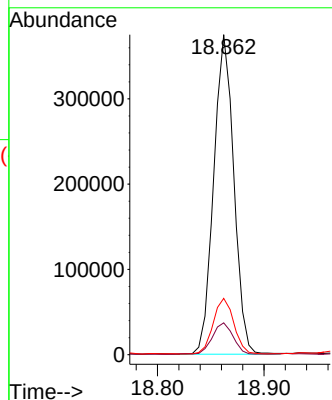
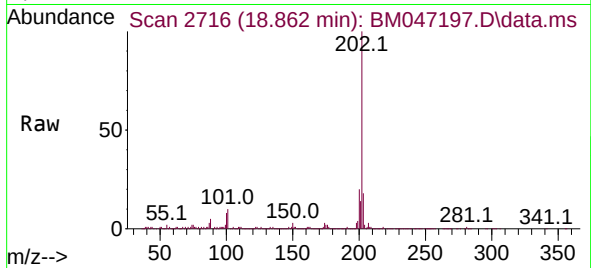




#75
Fluoranthene
Concen: 4.541 ng
RT: 18.862 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM047197.D
Acq: 14 Aug 2024 18:51

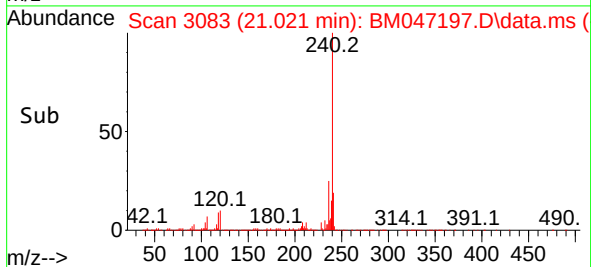
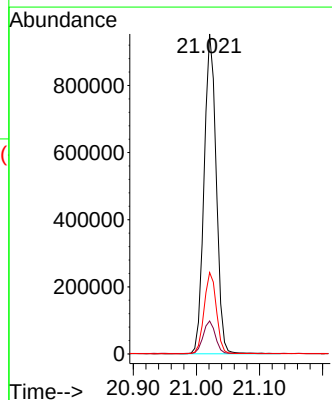
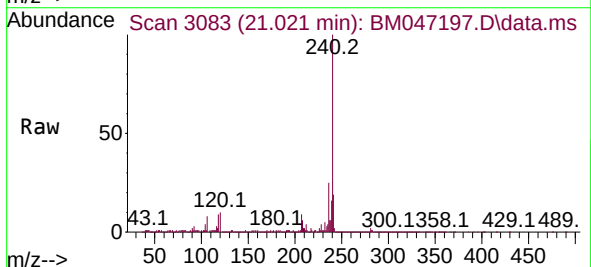
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OU4-TS-19-080724

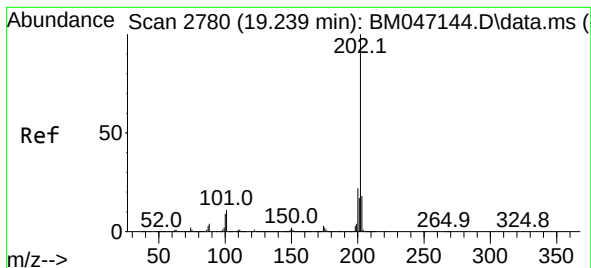
Tgt Ion:202 Resp: 490792
Ion Ratio Lower Upper
202 100
101 9.9 0.0 30.2
203 17.6 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.021 min Scan# 3083
Delta R.T. -0.012 min
Lab File: BM047197.D
Acq: 14 Aug 2024 18:51

Tgt Ion:240 Resp: 1273712
Ion Ratio Lower Upper
240 100
120 10.3 8.2 12.2
236 25.4 20.6 30.8





#78

Pyrene

Concen: 5.016 ng

RT: 19.227 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM047197.D

Acq: 14 Aug 2024 18:51

Instrument :

BNA_M

ClientSampleId :

OU4-TS-19-080724

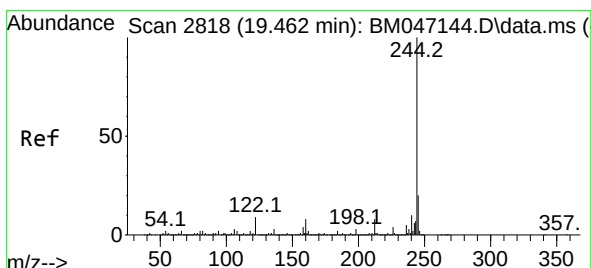
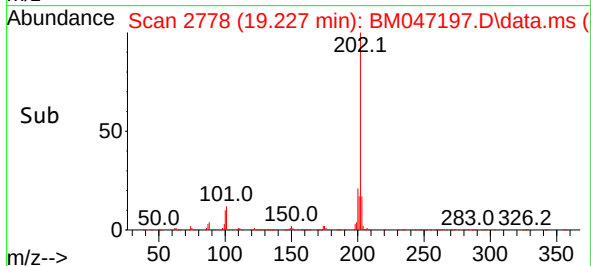
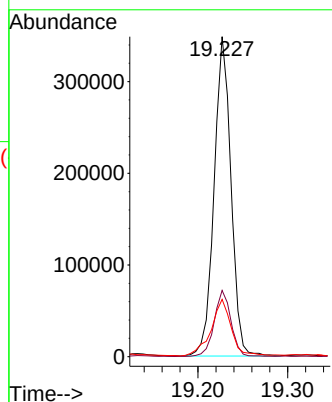
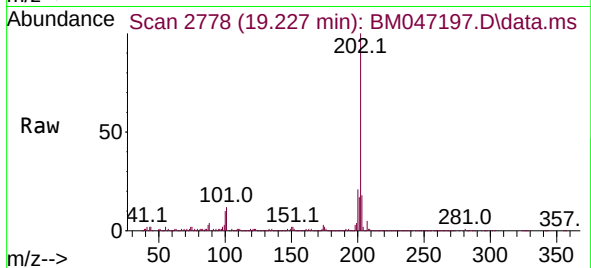
Tgt Ion:202 Resp: 456229

Ion Ratio Lower Upper

202 100

200 20.7 17.2 25.8

203 17.9 14.2 21.2



#79

Terphenyl-d14

Concen: 49.565 ng

RT: 19.456 min Scan# 2817

Delta R.T. -0.006 min

Lab File: BM047197.D

Acq: 14 Aug 2024 18:51

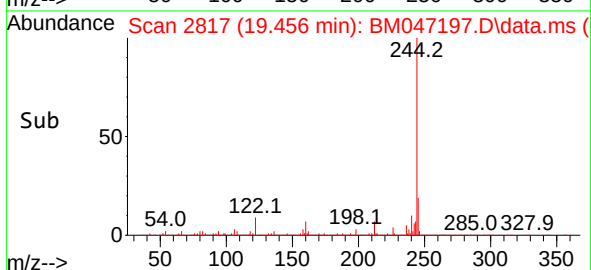
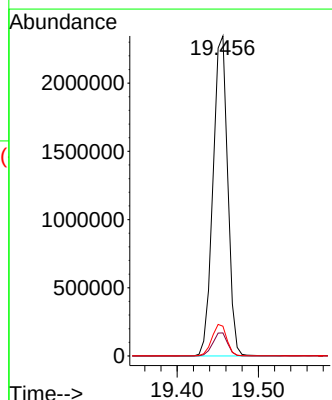
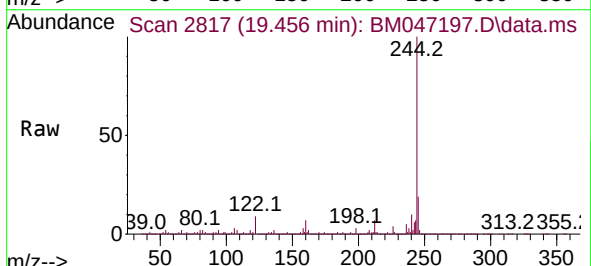
Tgt Ion:244 Resp: 2946279

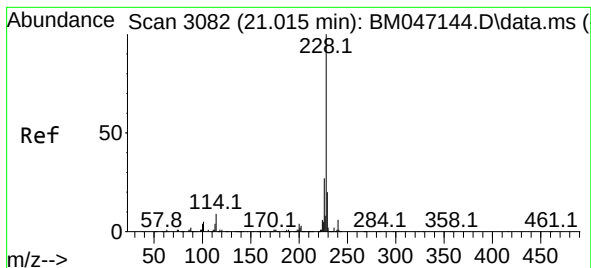
Ion Ratio Lower Upper

244 100

212 7.2 6.2 9.4

122 9.3 7.1 10.7





#81

Benzo(a)anthracene

Concen: 2.372 ng

RT: 21.003 min Scan# 3080

Delta R.T. -0.012 min

Lab File: BM047197.D

Acq: 14 Aug 2024 18:51

Instrument :

BNA_M

ClientSampleId :

OU4-TS-19-080724

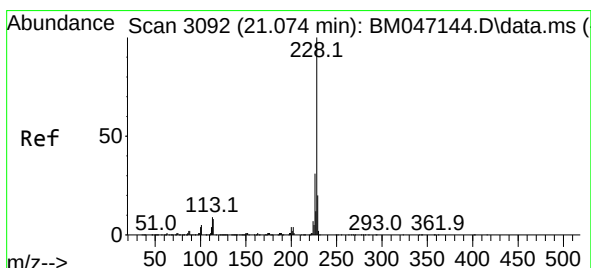
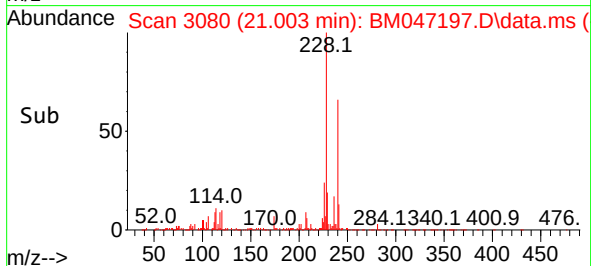
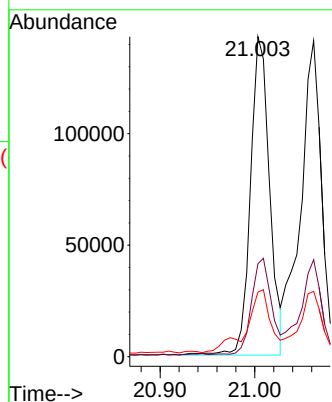
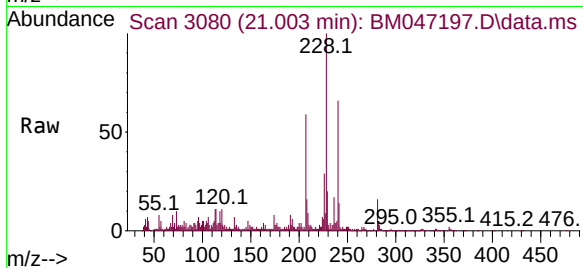
Tgt Ion:228 Resp: 200542

Ion Ratio Lower Upper

228 100

226 29.1 21.8 32.6

229 20.2 15.8 23.8



#83

Chrysene

Concen: 2.725 ng

RT: 21.062 min Scan# 3090

Delta R.T. -0.012 min

Lab File: BM047197.D

Acq: 14 Aug 2024 18:51

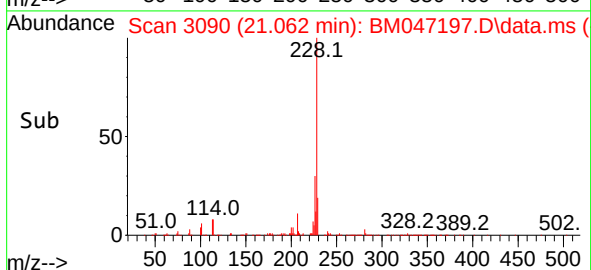
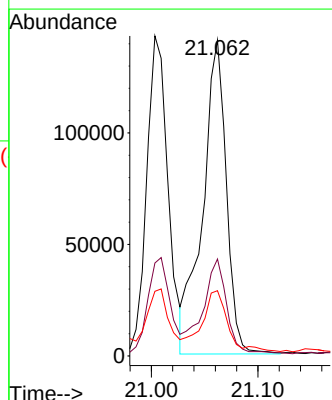
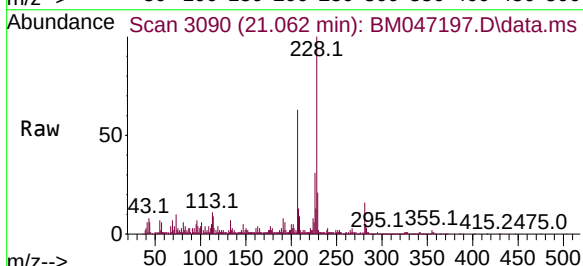
Tgt Ion:228 Resp: 218602

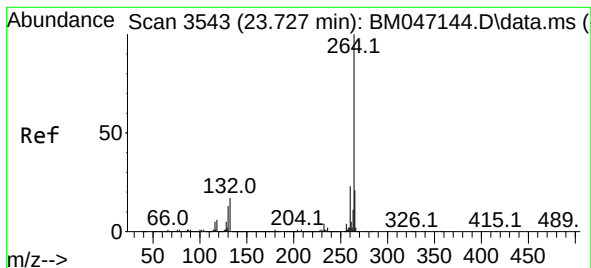
Ion Ratio Lower Upper

228 100

226 30.7 24.4 36.6

229 20.7 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: BM047197.D

Acq: 14 Aug 2024 18:51

Instrument :

BNA_M

ClientSampleId :

OU4-TS-19-080724

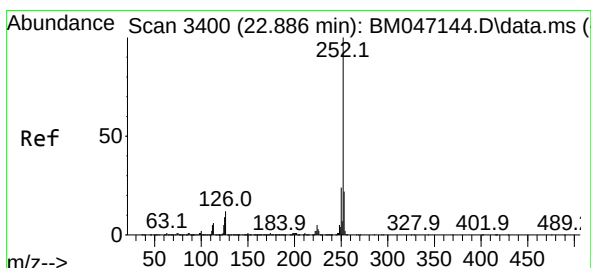
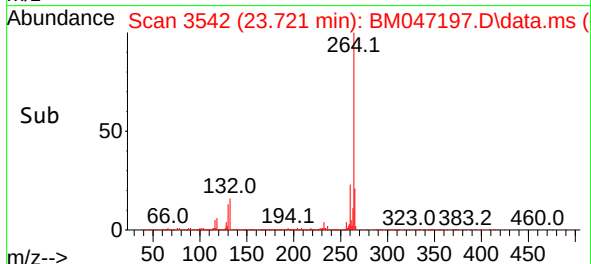
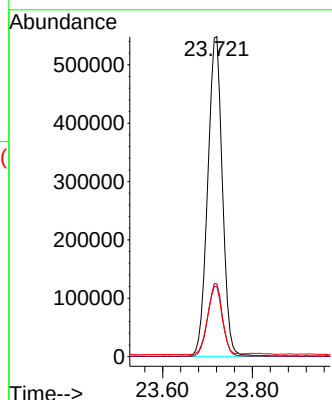
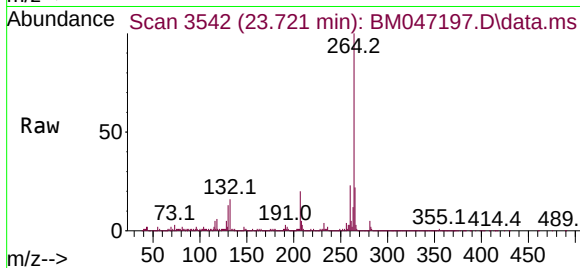
Tgt Ion:264 Resp: 1243471

Ion Ratio Lower Upper

264 100

260 22.7 18.5 27.7

265 21.9 17.3 25.9



#88

Benzo(b)fluoranthene

Concen: 3.349 ng

RT: 22.874 min Scan# 3398

Delta R.T. -0.012 min

Lab File: BM047197.D

Acq: 14 Aug 2024 18:51

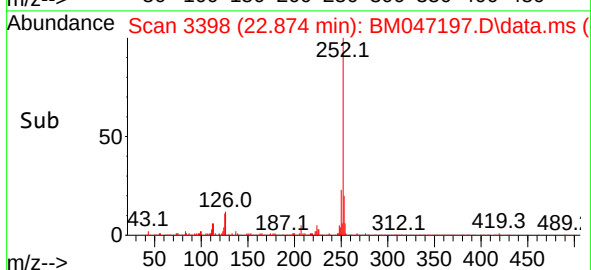
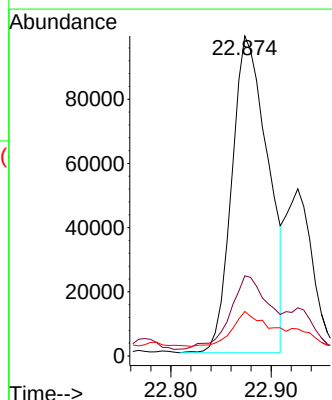
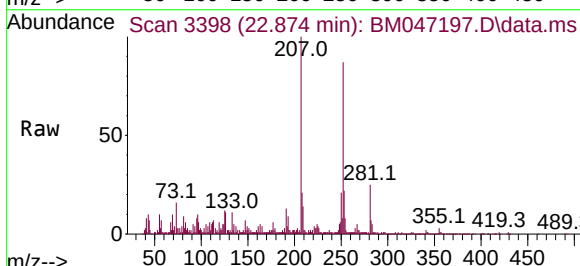
Tgt Ion:252 Resp: 247300

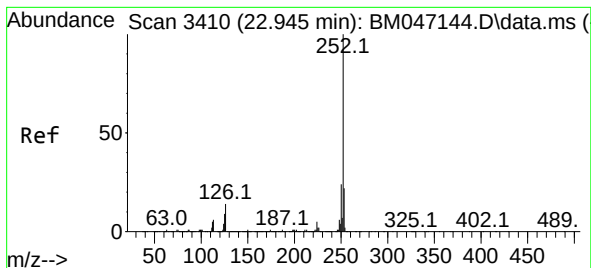
Ion Ratio Lower Upper

252 100

253 25.1 17.8 26.6

125 13.9 7.4 11.0#





#89

Benzo(k)fluoranthene

Concen: 3.546 ng

RT: 22.874 min Scan# 31

Delta R.T. -0.071 min

Lab File: BM047197.D

Acq: 14 Aug 2024 18:51

Instrument :

BNA_M

ClientSampleId :

OU4-TS-19-080724

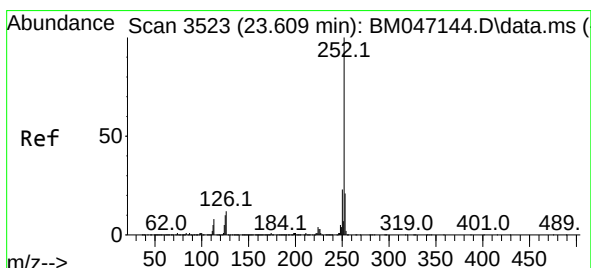
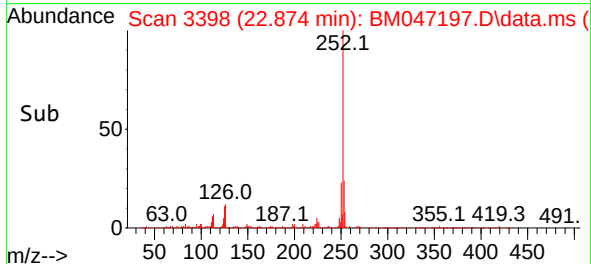
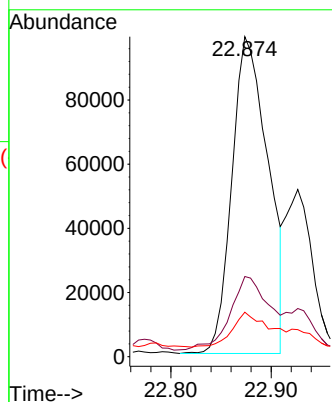
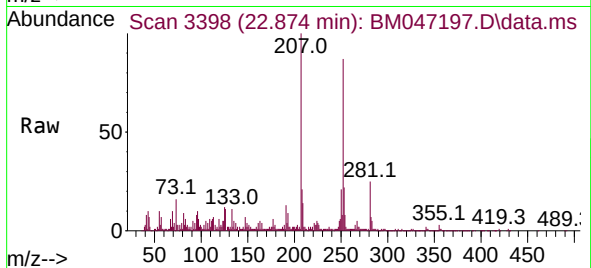
Tgt Ion:252 Resp: 247300

Ion Ratio Lower Upper

252 100

253 25.1 17.7 26.5

125 13.9 7.4 11.2#



#90

Benzo(a)pyrene

Concen: 2.514 ng

RT: 23.591 min Scan# 3520

Delta R.T. -0.018 min

Lab File: BM047197.D

Acq: 14 Aug 2024 18:51

Tgt Ion:252 Resp: 160803

Ion Ratio Lower Upper

252 100

253 24.9 17.1 25.7

125 14.4 8.2 12.2#

