

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081524\
 Data File : BM047224.D
 Acq On : 15 Aug 2024 20:53
 Operator : RC/JU
 Sample : P3518-13
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 OU4-TS-07-080724

Quant Time: Aug 16 01:20:31 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)

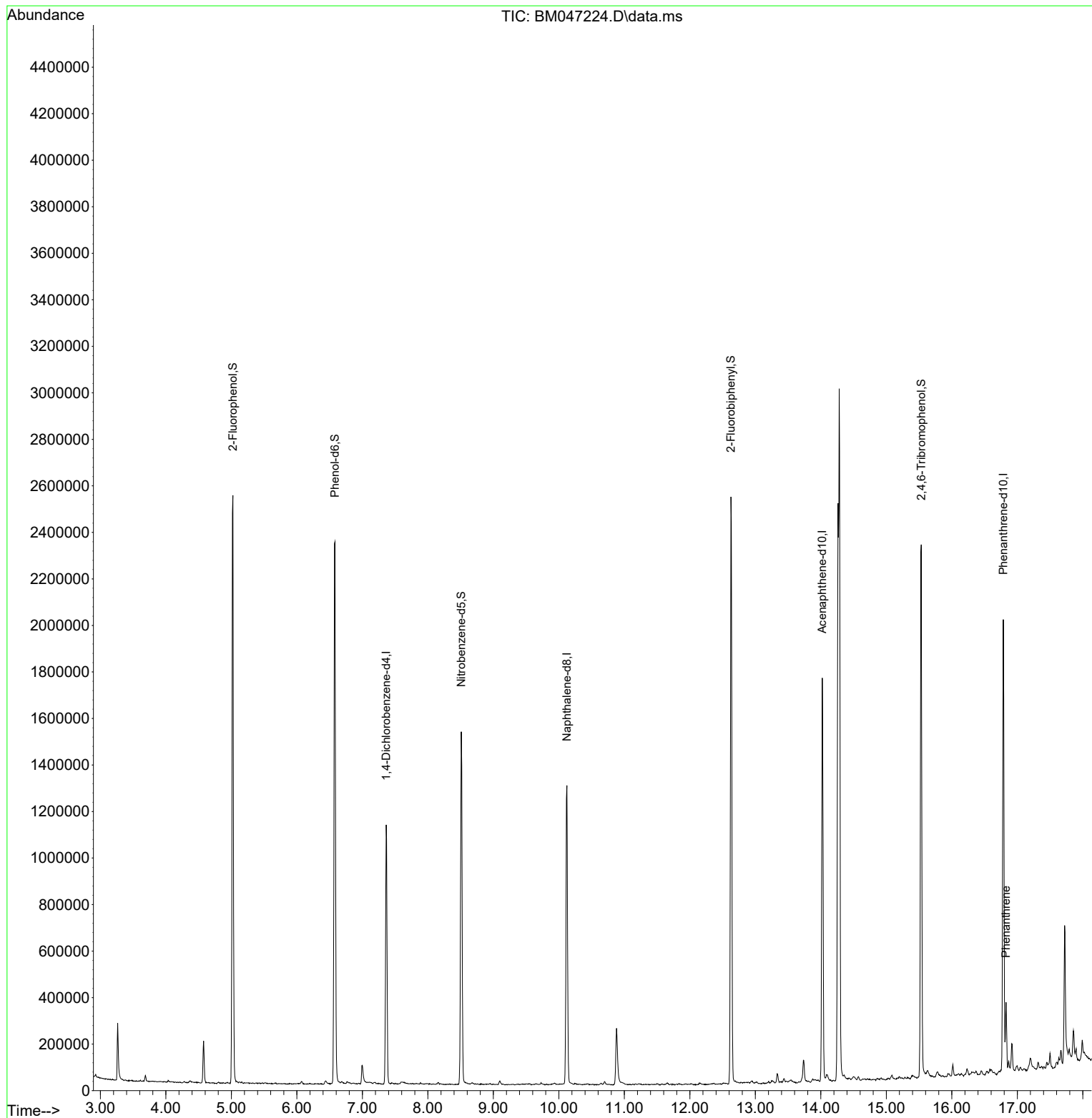
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.363	152	301092	20.000	ng	-0.01
21) Naphthalene-d8	10.122	136	1058606	20.000	ng	-0.01
39) Acenaphthene-d10	14.022	164	606191	20.000	ng	-0.01
64) Phenanthrene-d10	16.786	188	1139132	20.000	ng	0.00
76) Chrysene-d12	21.021	240	980146	20.000	ng	-0.01
86) Perylene-d12	23.715	264	1128985	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.022	112	1062250	63.040	ng	0.00
7) Phenol-d6	6.581	99	1352648	58.257	ng	0.00
23) Nitrobenzene-d5	8.510	82	885015	42.096	ng	-0.01
42) 2,4,6-Tribromophenol	15.533	330	418167	59.493	ng	0.00
45) 2-Fluorobiphenyl	12.628	172	1346893	34.273	ng	-0.02
79) Terphenyl-d14	19.451	244	1677203	36.666	ng	-0.01
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.546	77	920	Below Cal	#	44
71) Phenanthrene	16.827	178	165707	2.899	ng	99
75) Fluoranthene	18.863	202	1091549	15.698	ng	99
78) Pyrene	19.227	202	835520	11.939	ng	99
81) Benzo(a)anthracene	21.004	228	236001	3.627	ng	98
83) Chrysene	21.062	228	285969	4.632	ng	98
88) Benzo(b)fluoranthene	22.874	252	327999	4.892	ng	# 97
89) Benzo(k)fluoranthene	22.874	252	327999	5.179	ng	97
90) Benzo(a)pyrene	23.592	252	159252	2.742	ng	# 91

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

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OU4-TS-07-080724

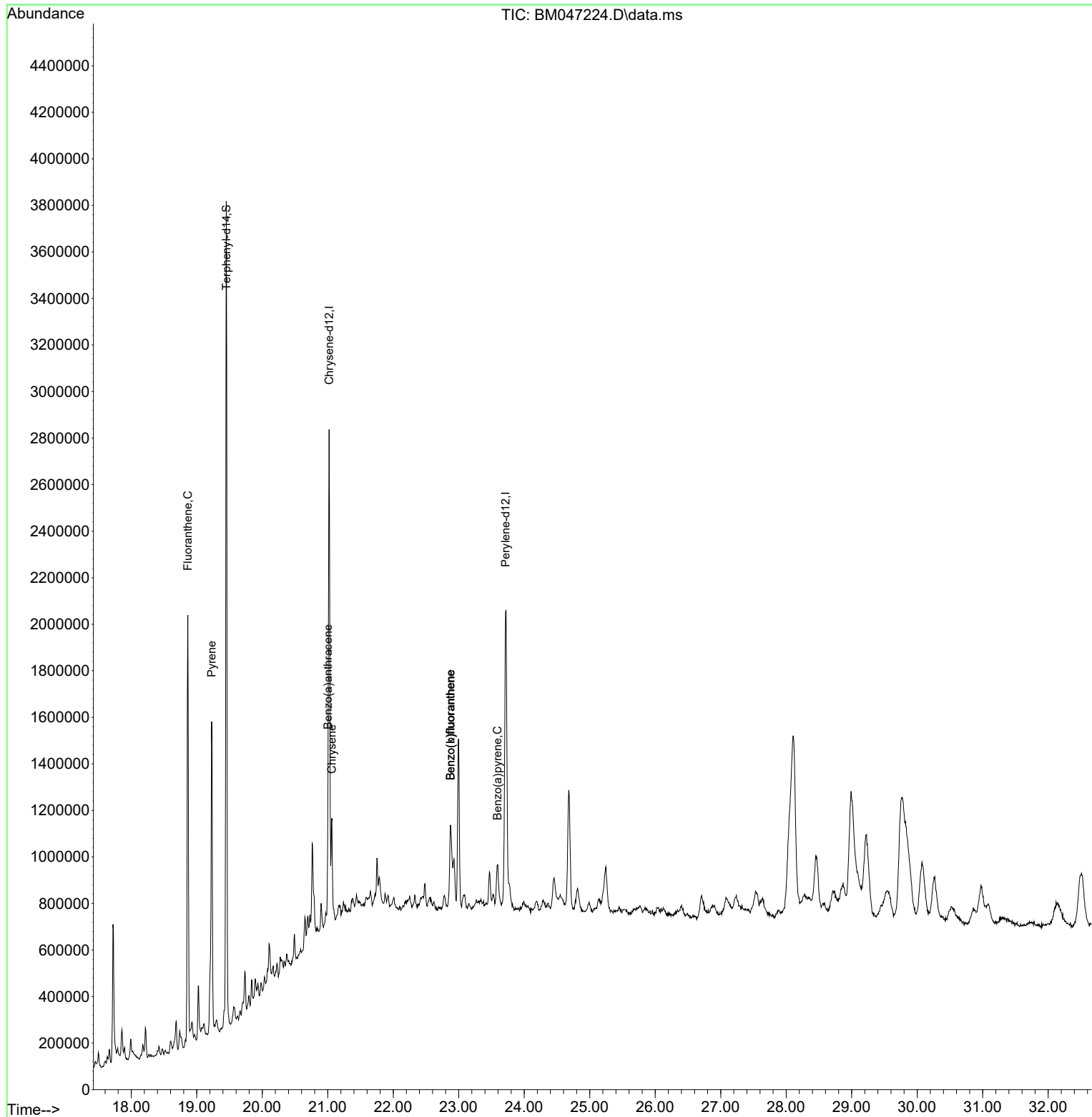
Quant Time: Aug 16 01:20:31 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration

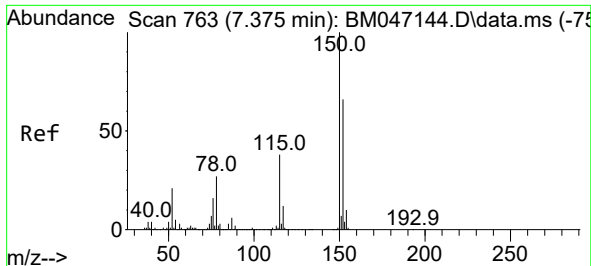


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081524\
Data File : BM047224.D
Acq On : 15 Aug 2024 20:53
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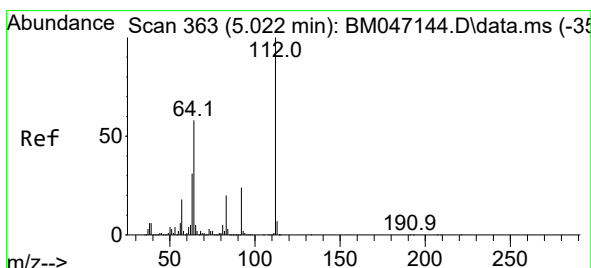
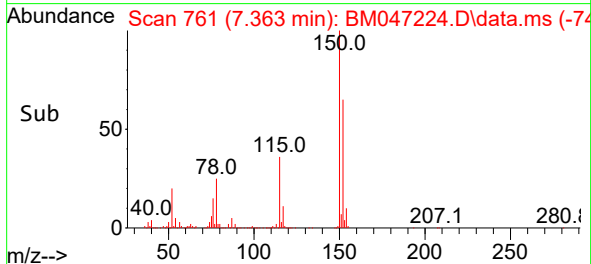
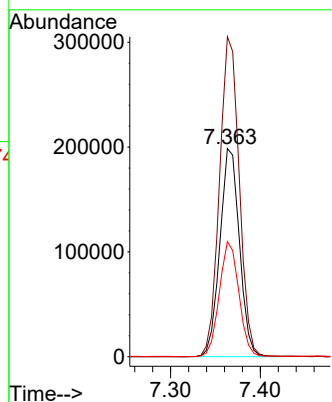
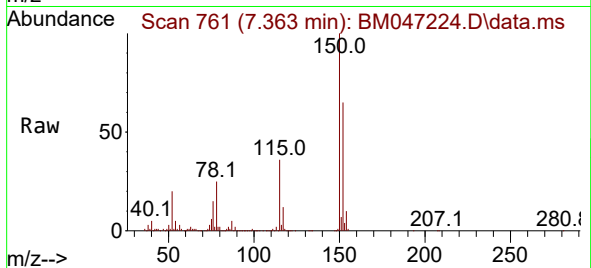




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.363 min Scan# 761
Delta R.T. -0.012 min
Lab File: BM047224.D
Acq: 15 Aug 2024 20:53

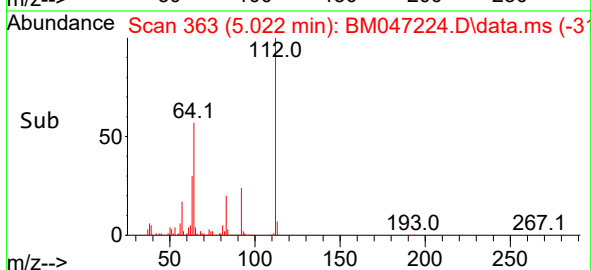
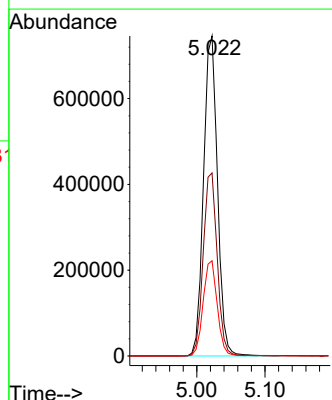
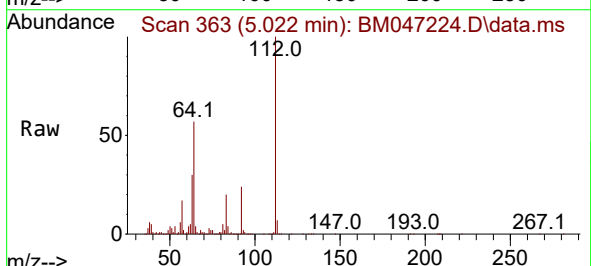
Instrument :
BNA_M
ClientSampleId :
OU4-TS-07-080724

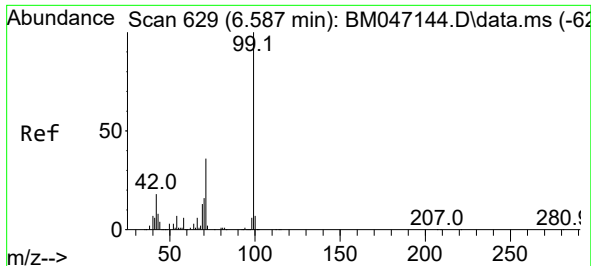
Tgt Ion:152 Resp: 301092
Ion Ratio Lower Upper
152 100
150 153.7 120.5 180.7
115 55.3 45.5 68.3



#5
2-Fluorophenol
Concen: 63.040 ng
RT: 5.022 min Scan# 363
Delta R.T. 0.000 min
Lab File: BM047224.D
Acq: 15 Aug 2024 20:53

Tgt Ion:112 Resp: 1062250
Ion Ratio Lower Upper
112 100
64 57.2 46.7 70.1
63 29.7 24.8 37.2

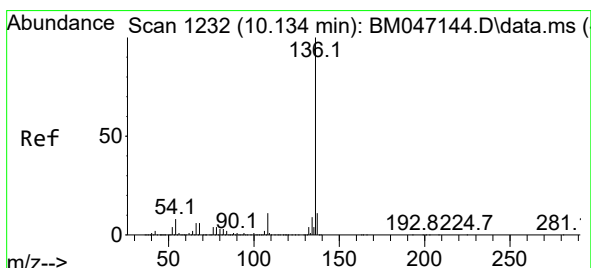
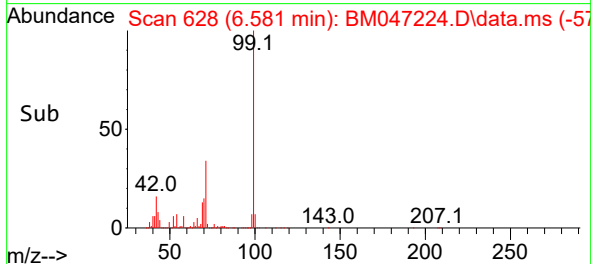
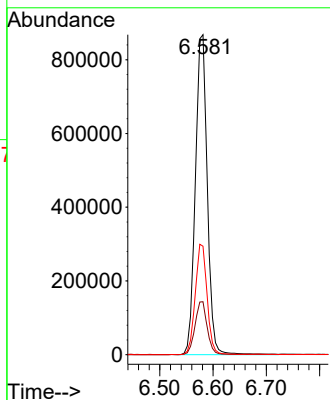
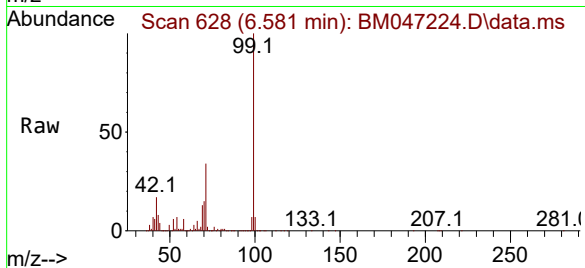




#7
Phenol-d6
Concen: 58.257 ng
RT: 6.581 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM047224.D
Acq: 15 Aug 2024 20:53

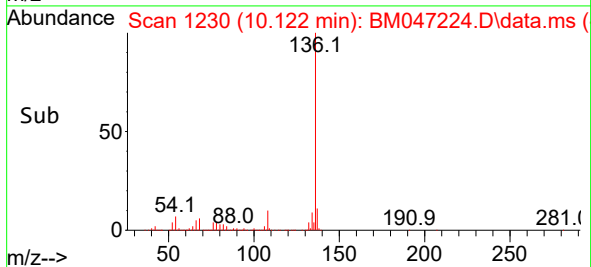
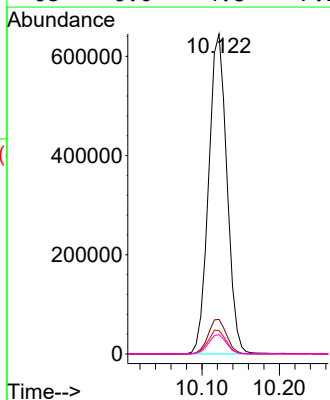
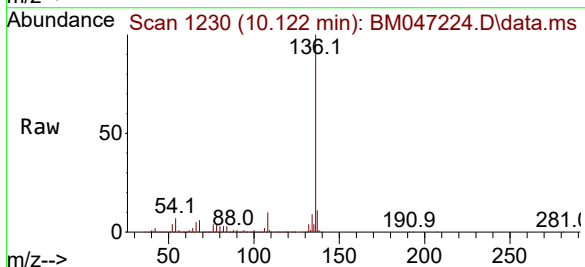
Instrument :
BNA_M
ClientSampleId :
OU4-TS-07-080724

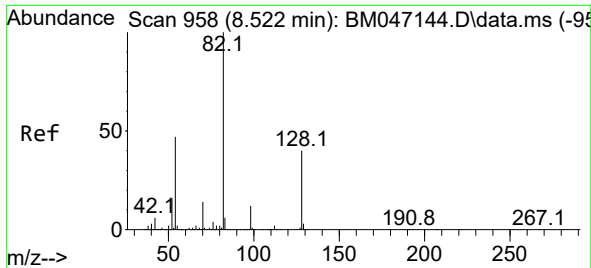
Tgt Ion: 99 Resp: 1352648
Ion Ratio Lower Upper
99 100
42 16.5 14.1 21.1
71 33.9 28.5 42.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.122 min Scan# 1230
Delta R.T. -0.012 min
Lab File: BM047224.D
Acq: 15 Aug 2024 20:53

Tgt Ion: 136 Resp: 1058606
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 7.3 6.0 9.0
68 6.0 4.8 7.2

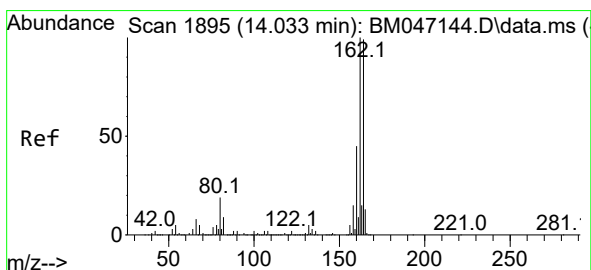
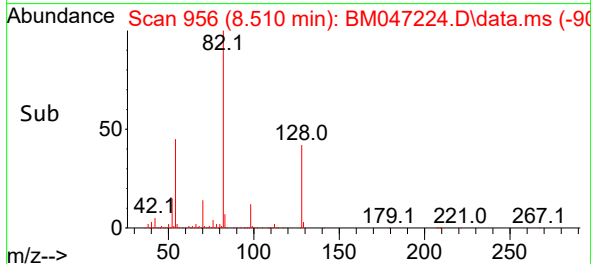
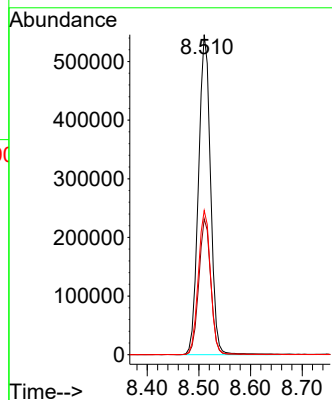
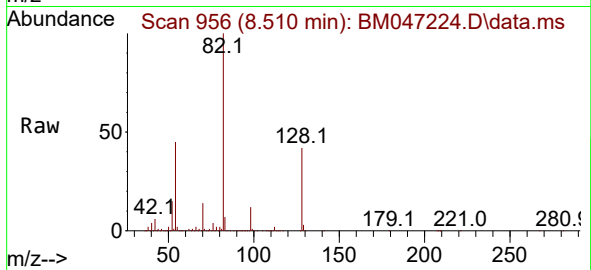




#23
Nitrobenzene-d5
Concen: 42.096 ng
RT: 8.510 min Scan# 91
Delta R.T. -0.012 min
Lab File: BM047224.D
Acq: 15 Aug 2024 20:53

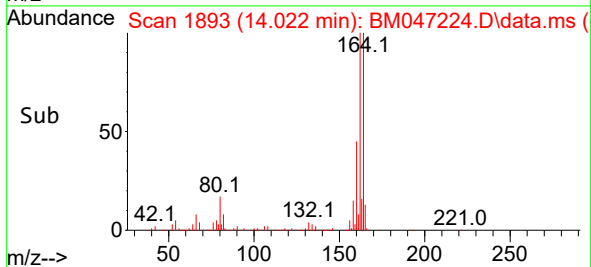
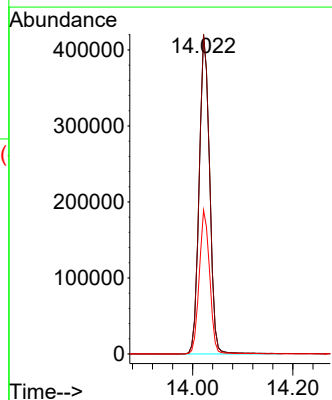
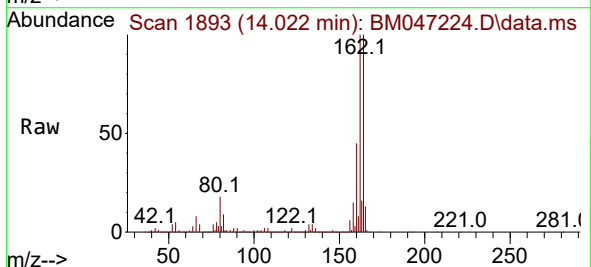
Instrument :
BNA_M
ClientSampleId :
OU4-TS-07-080724

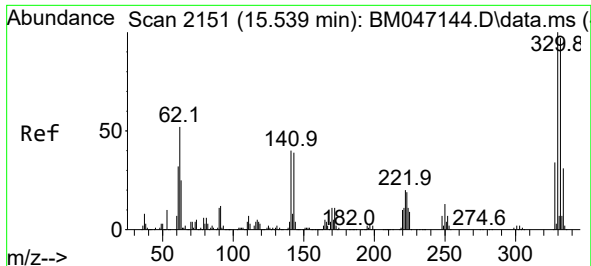
Tgt Ion: 82 Resp: 885015
Ion Ratio Lower Upper
82 100
128 42.5 32.3 48.5
54 45.1 37.4 56.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.022 min Scan# 1893
Delta R.T. -0.012 min
Lab File: BM047224.D
Acq: 15 Aug 2024 20:53

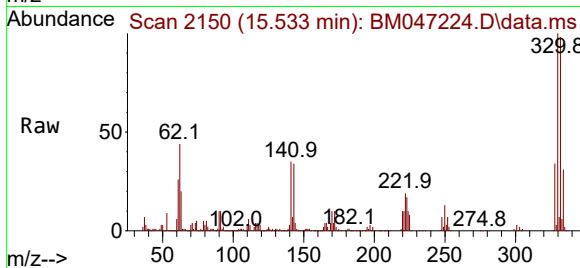
Tgt Ion:164 Resp: 606191
Ion Ratio Lower Upper
164 100
162 100.4 80.7 121.1
160 45.1 36.0 54.0



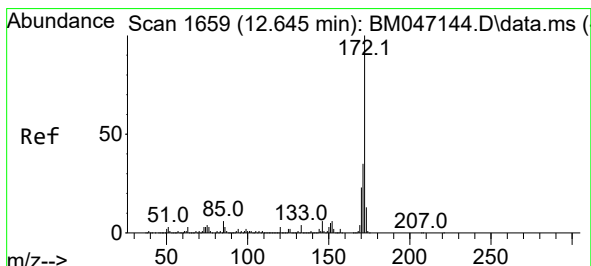
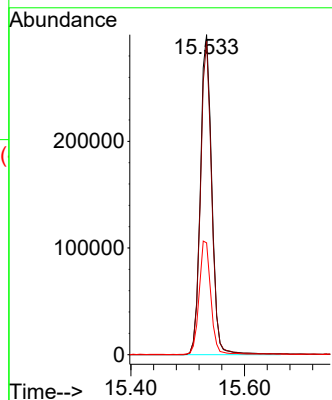
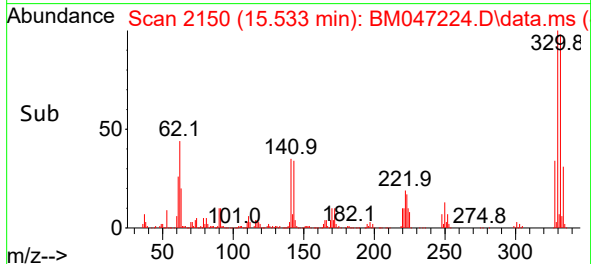


#42
2,4,6-Tribromophenol
Concen: 59.493 ng
RT: 15.533 min Scan# 2151
Delta R.T. -0.006 min
Lab File: BM047224.D
Acq: 15 Aug 2024 20:53

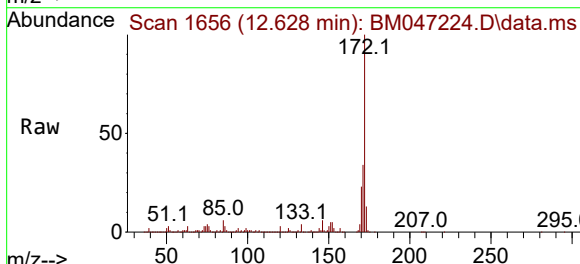
Instrument :
BNA_M
ClientSampleId :
OU4-TS-07-080724



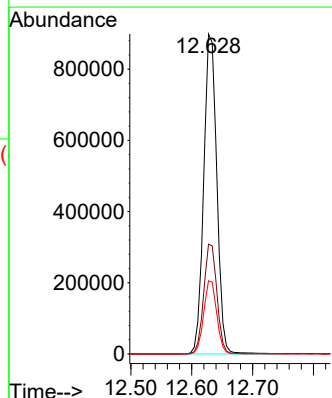
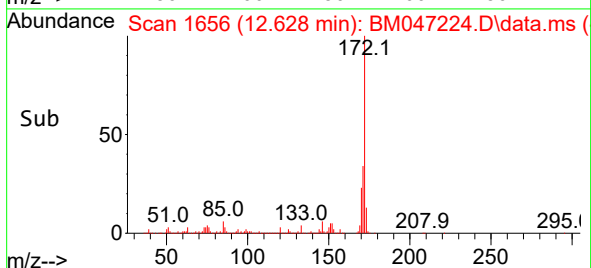
Tgt Ion:330 Resp: 418167
Ion Ratio Lower Upper
330 100
332 96.4 77.4 116.2
141 36.3 31.6 47.4

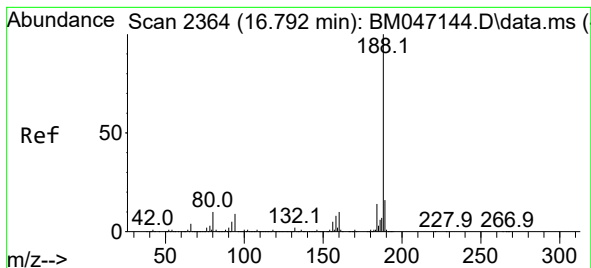


#45
2-Fluorobiphenyl
Concen: 34.273 ng
RT: 12.628 min Scan# 1656
Delta R.T. -0.017 min
Lab File: BM047224.D
Acq: 15 Aug 2024 20:53



Tgt Ion:172 Resp: 1346893
Ion Ratio Lower Upper
172 100
171 34.3 27.8 41.6
170 22.9 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: BM047224.D

Acq: 15 Aug 2024 20:53

Instrument :

BNA_M

ClientSampleId :

OU4-TS-07-080724

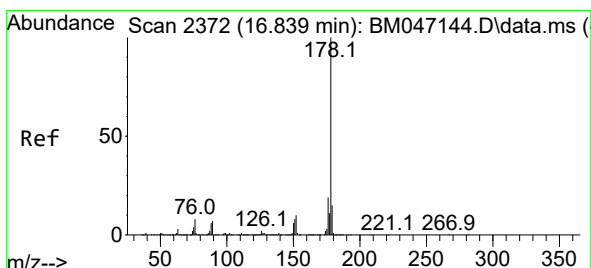
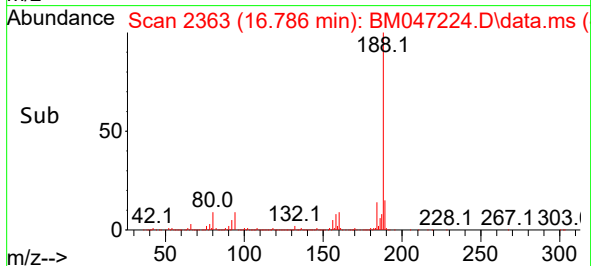
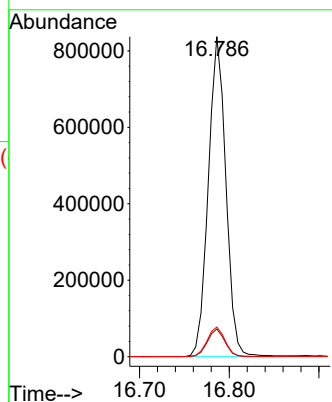
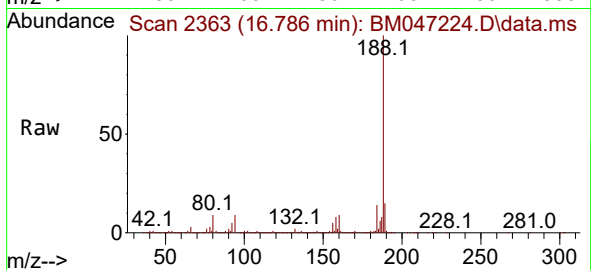
Tgt Ion:188 Resp: 1139132

Ion Ratio Lower Upper

188 100

94 8.6 7.0 10.6

80 9.3 8.0 12.0



#71

Phenanthrene

Concen: 2.899 ng

RT: 16.827 min Scan# 2370

Delta R.T. -0.012 min

Lab File: BM047224.D

Acq: 15 Aug 2024 20:53

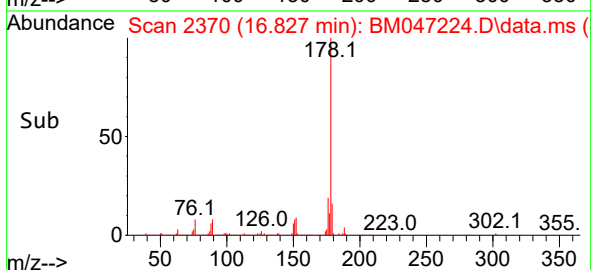
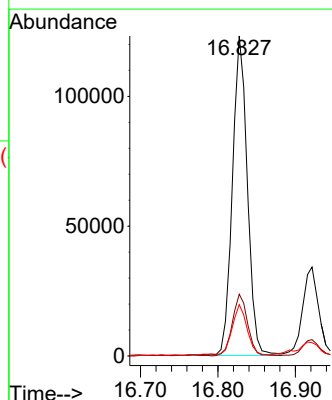
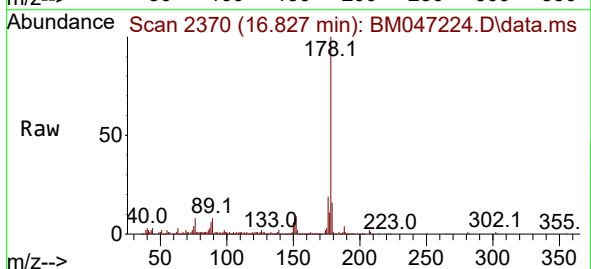
Tgt Ion:178 Resp: 165707

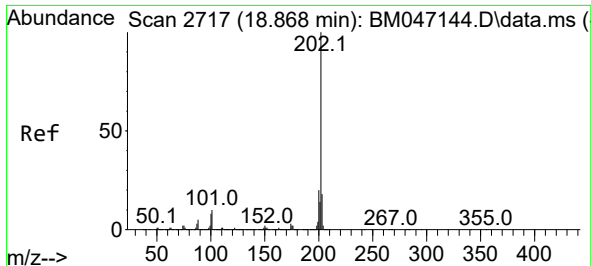
Ion Ratio Lower Upper

178 100

176 19.3 15.3 22.9

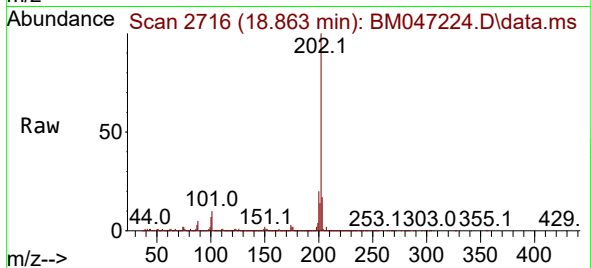
179 16.1 12.4 18.6



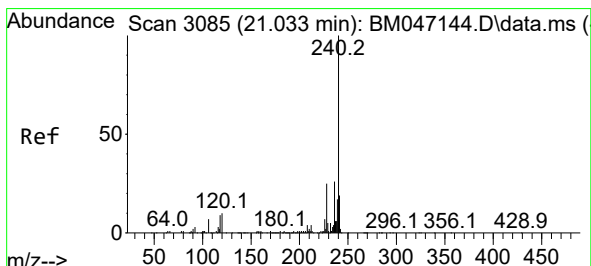
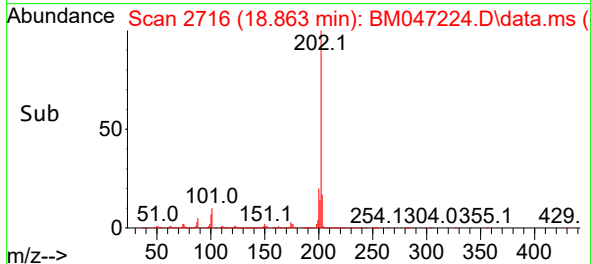
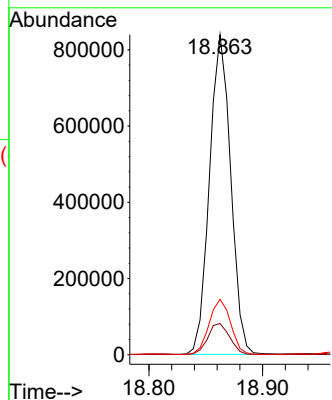


#75
Fluoranthene
Concen: 15.698 ng
RT: 18.863 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM047224.D
Acq: 15 Aug 2024 20:53

Instrument :
BNA_M
ClientSampleId :
OU4-TS-07-080724

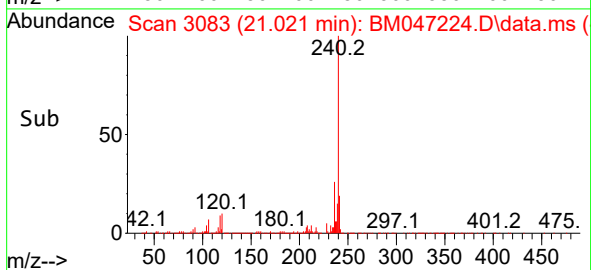
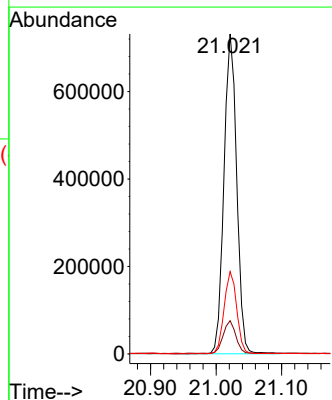
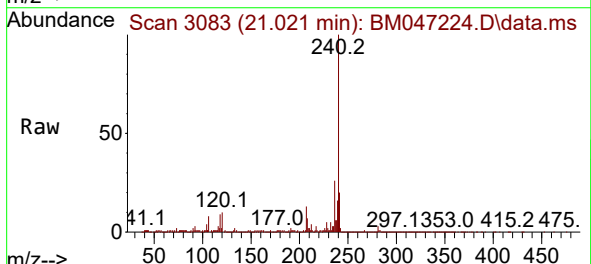


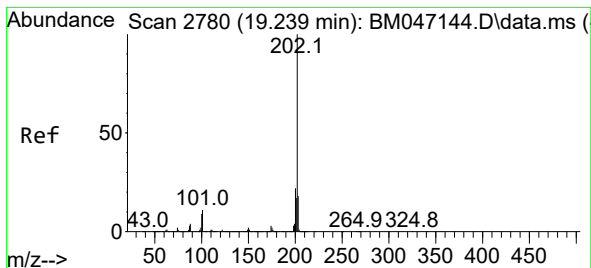
Tgt Ion:202 Resp: 1091549
Ion Ratio Lower Upper
202 100
101 9.8 0.0 30.2
203 17.3 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.021 min Scan# 3083
Delta R.T. -0.012 min
Lab File: BM047224.D
Acq: 15 Aug 2024 20:53

Tgt Ion:240 Resp: 980146
Ion Ratio Lower Upper
240 100
120 10.4 8.2 12.2
236 25.7 20.6 30.8





#78

Pyrene

Concen: 11.939 ng

RT: 19.227 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM047224.D

Acq: 15 Aug 2024 20:53

Instrument :

BNA_M

ClientSampleId :

OU4-TS-07-080724

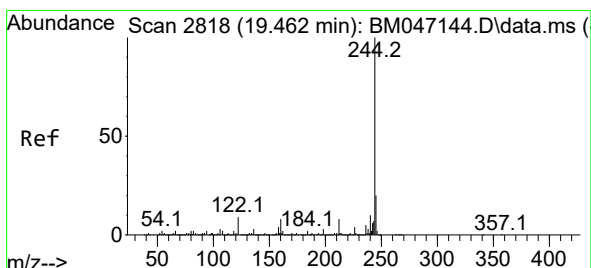
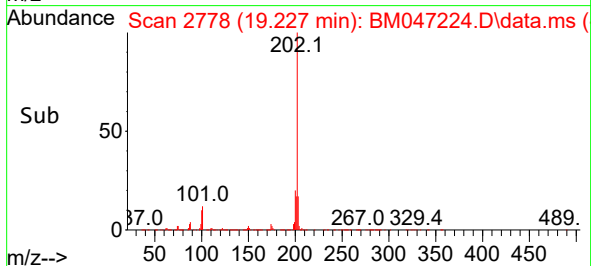
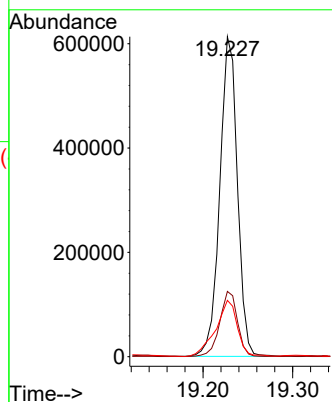
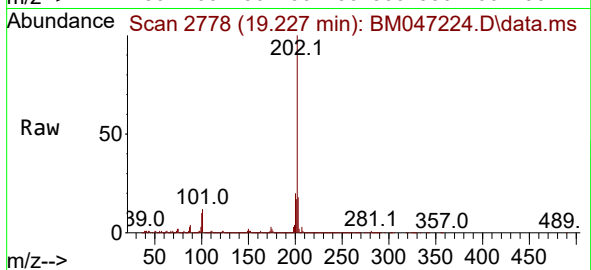
Tgt Ion:202 Resp: 835520

Ion Ratio Lower Upper

202 100

200 20.4 17.2 25.8

203 17.6 14.2 21.2



#79

Terphenyl-d14

Concen: 36.666 ng

RT: 19.451 min Scan# 2816

Delta R.T. -0.012 min

Lab File: BM047224.D

Acq: 15 Aug 2024 20:53

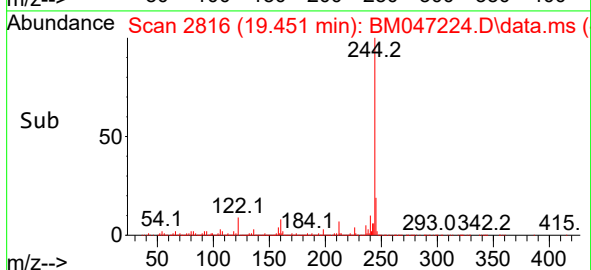
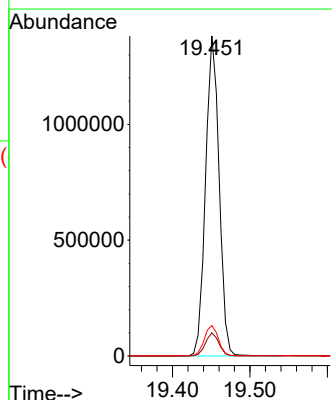
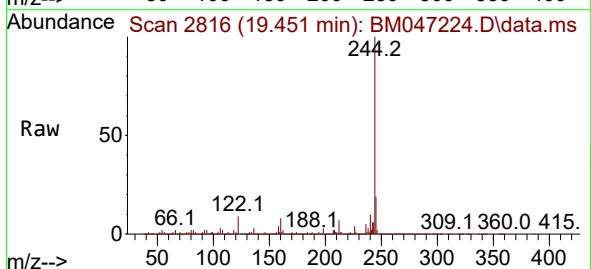
Tgt Ion:244 Resp: 1677203

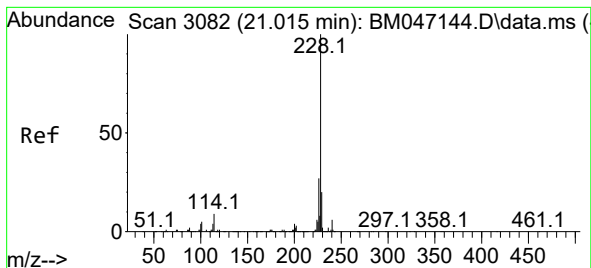
Ion Ratio Lower Upper

244 100

212 7.2 6.2 9.4

122 9.5 7.1 10.7





#81

Benzo(a)anthracene

Concen: 3.627 ng

RT: 21.004 min Scan# 3080

Delta R.T. -0.012 min

Lab File: BM047224.D

Acq: 15 Aug 2024 20:53

Instrument :

BNA_M

ClientSampleId :

OU4-TS-07-080724

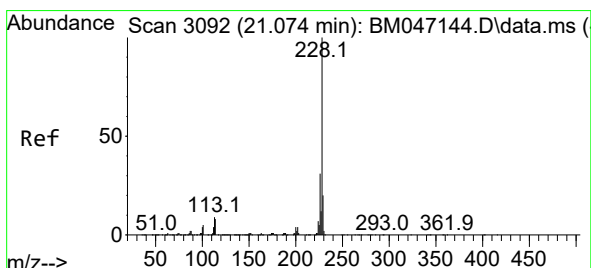
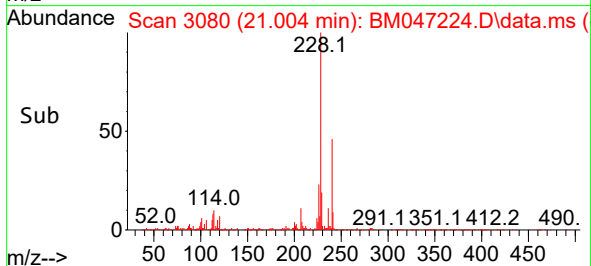
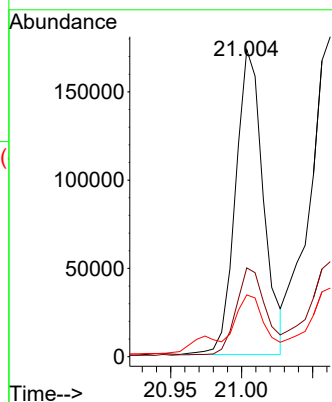
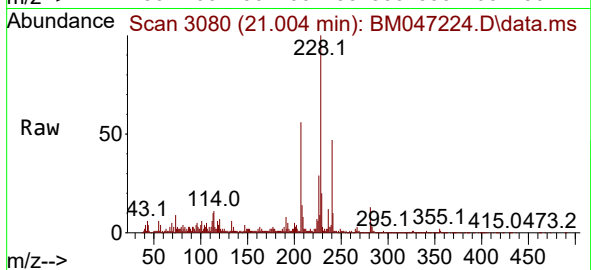
Tgt Ion:228 Resp: 236001

Ion Ratio Lower Upper

228 100

226 28.9 21.8 32.6

229 20.1 15.8 23.8



#83

Chrysene

Concen: 4.632 ng

RT: 21.062 min Scan# 3090

Delta R.T. -0.012 min

Lab File: BM047224.D

Acq: 15 Aug 2024 20:53

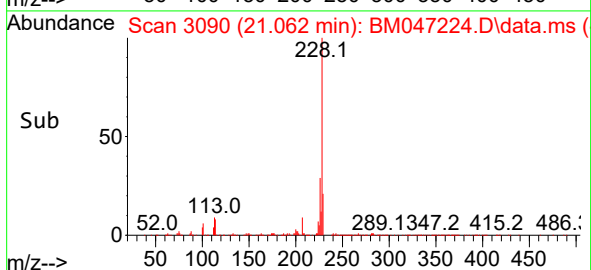
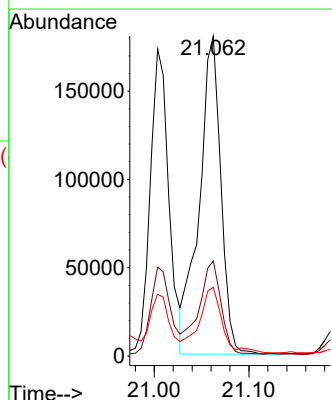
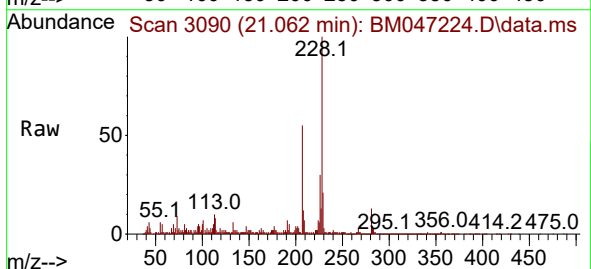
Tgt Ion:228 Resp: 285969

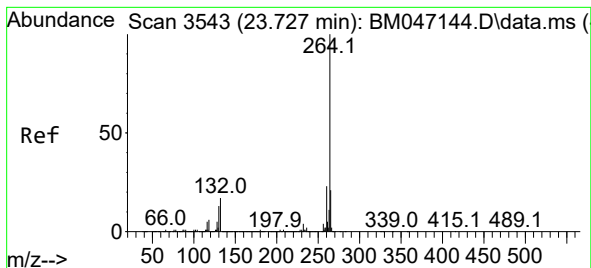
Ion Ratio Lower Upper

228 100

226 29.7 24.4 36.6

229 21.5 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.715 min Scan# 3

Delta R.T. -0.012 min

Lab File: BM047224.D

Acq: 15 Aug 2024 20:53

Instrument :

BNA_M

ClientSampleId :

OU4-TS-07-080724

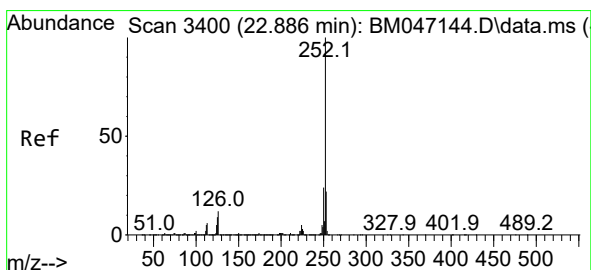
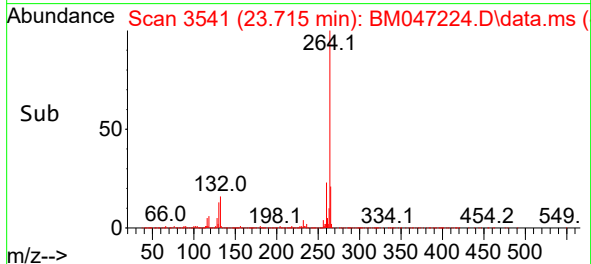
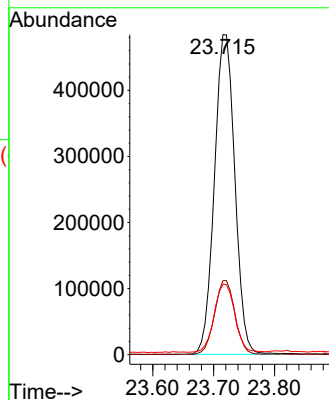
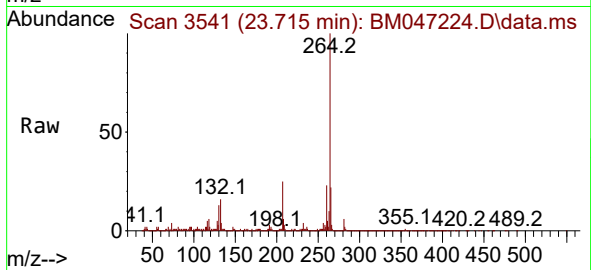
Tgt Ion:264 Resp: 1128985

Ion Ratio Lower Upper

264 100

260 23.1 18.5 27.7

265 22.1 17.3 25.9



#88

Benzo(b)fluoranthene

Concen: 4.892 ng

RT: 22.874 min Scan# 3398

Delta R.T. -0.012 min

Lab File: BM047224.D

Acq: 15 Aug 2024 20:53

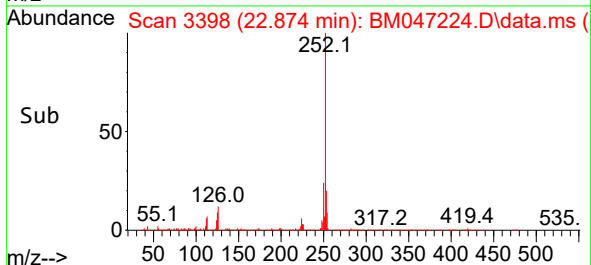
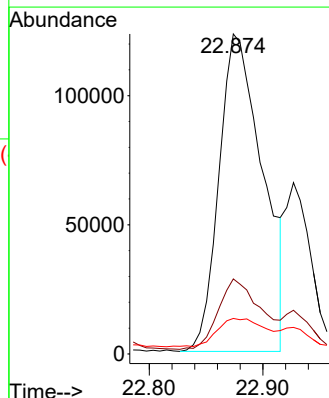
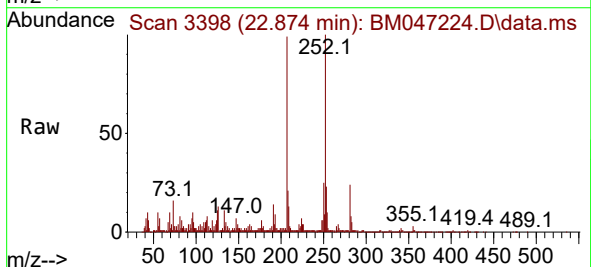
Tgt Ion:252 Resp: 327999

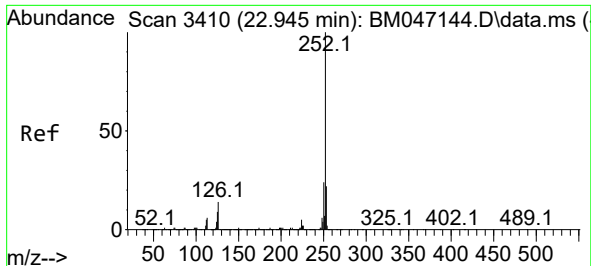
Ion Ratio Lower Upper

252 100

253 23.5 17.8 26.6

125 11.1 7.4 11.0#

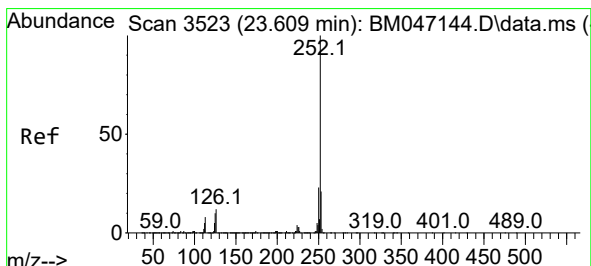
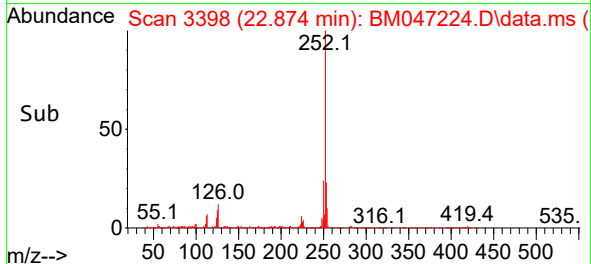
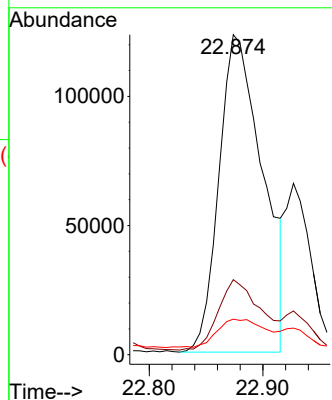
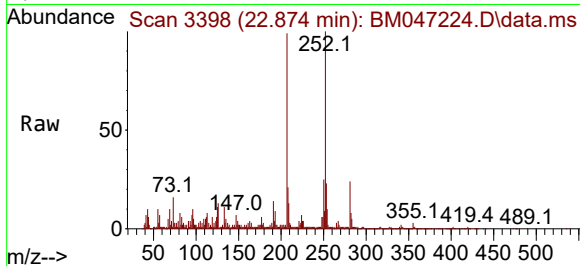




#89
Benzo(k)fluoranthene
Concen: 5.179 ng
RT: 22.874 min Scan# 31
Delta R.T. -0.071 min
Lab File: BM047224.D
Acq: 15 Aug 2024 20:53

Instrument :
BNA_M
ClientSampleId :
OU4-TS-07-080724

Tgt Ion:252 Resp: 327999
Ion Ratio Lower Upper
252 100
253 23.5 17.7 26.5
125 11.1 7.4 11.2



#90
Benzo(a)pyrene
Concen: 2.742 ng
RT: 23.592 min Scan# 3520
Delta R.T. -0.018 min
Lab File: BM047224.D
Acq: 15 Aug 2024 20:53

Tgt Ion:252 Resp: 159252
Ion Ratio Lower Upper
252 100
253 26.5 17.1 25.7#
125 12.6 8.2 12.2#

