

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081524\
 Data File : BM047222.D
 Acq On : 15 Aug 2024 19:33
 Operator : RC/JU
 Sample : P3518-09
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 OU4-TS-05-080724

Quant Time: Aug 16 01:19:59 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)

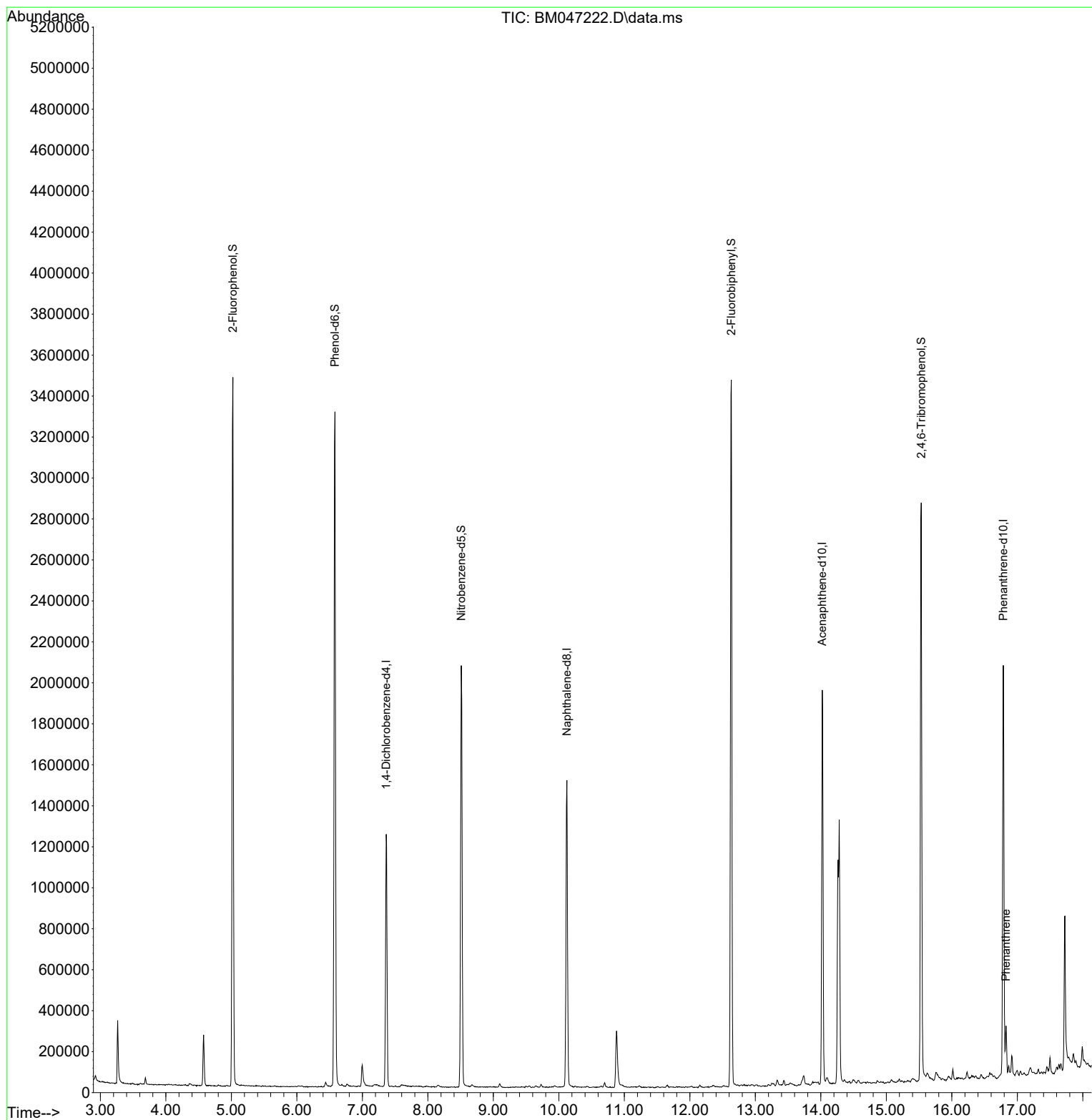
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.363	152	333710	20.000	ng	-0.01
21) Naphthalene-d8	10.122	136	1204983	20.000	ng	-0.01
39) Acenaphthene-d10	14.022	164	674607	20.000	ng	-0.01
64) Phenanthrene-d10	16.786	188	1184365	20.000	ng	0.00
76) Chrysene-d12	21.021	240	973369	20.000	ng	-0.01
86) Perylene-d12	23.715	264	1120925	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.022	112	1427988	76.461	ng	0.00
7) Phenol-d6	6.581	99	1848461	71.830	ng	0.00
23) Nitrobenzene-d5	8.510	82	1201558	50.210	ng	-0.01
42) 2,4,6-Tribromophenol	15.533	330	534354	68.313	ng	0.00
45) 2-Fluorobiphenyl	12.633	172	1862702	42.592	ng	-0.01
79) Terphenyl-d14	19.451	244	1923909	42.353	ng	-0.01
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.546	77	1326	Below Cal	#	51
71) Phenanthrene	16.827	178	137967	2.321	ng	99
75) Fluoranthene	18.862	202	330584	4.573	ng	99
78) Pyrene	19.227	202	308272	4.435	ng	99
81) Benzo(a)anthracene	21.003	228	147929	2.289	ng	97
83) Chrysene	21.062	228	163086	2.660	ng	95
88) Benzo(b)fluoranthene	22.874	252	233684	3.510	ng	# 97
89) Benzo(k)fluoranthene	22.874	252	233684	3.717	ng	# 97
90) Benzo(a)pyrene	23.592	252	149319	2.589	ng	# 95

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081524\
Data File : BM047222.D
Acq On : 15 Aug 2024 19:33
Operator : RC/JU
Sample : P3518-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OU4-TS-05-080724

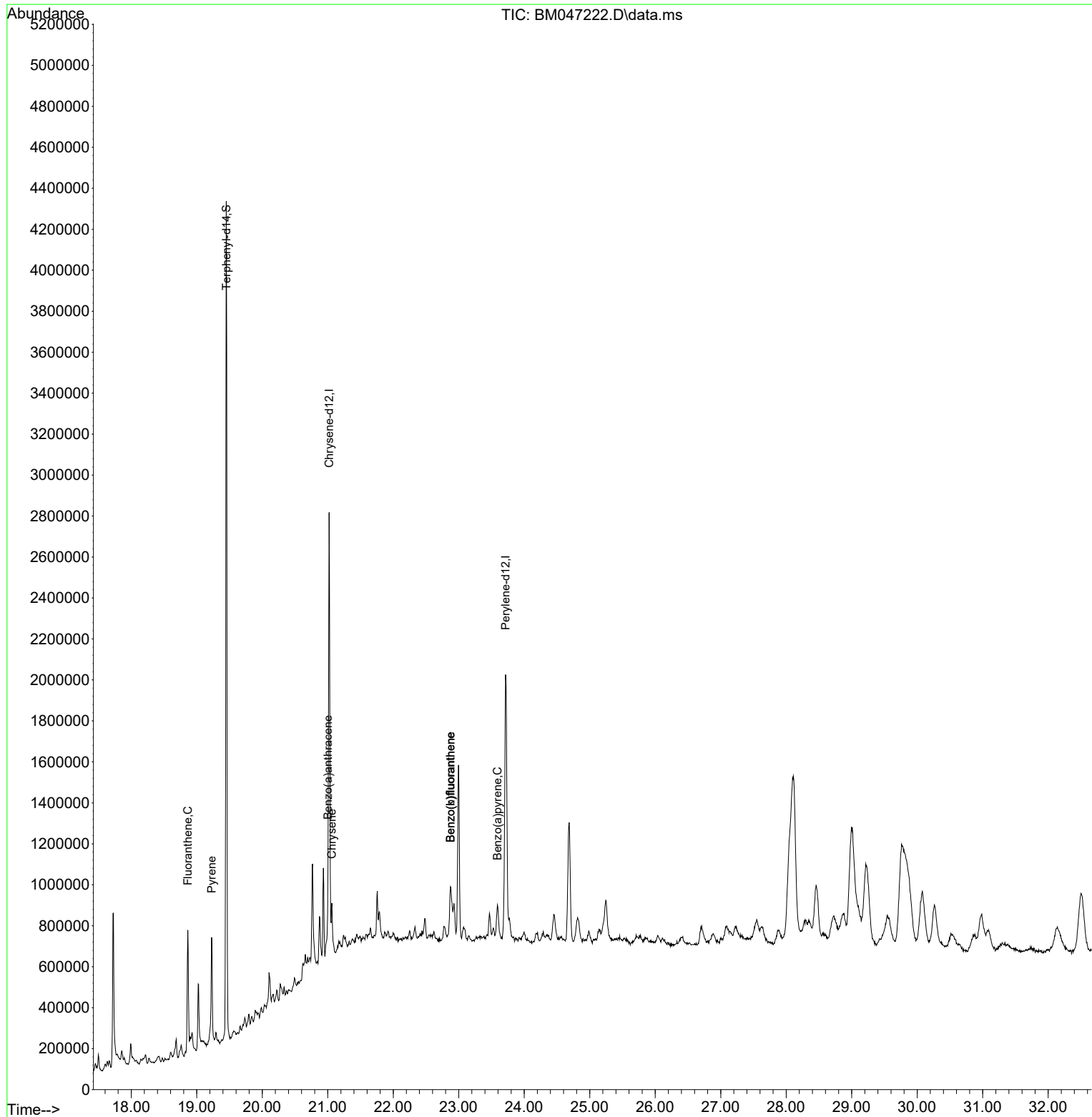
Quant Time: Aug 16 01:19:59 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration

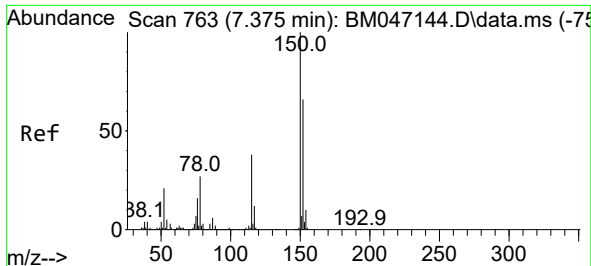


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081524\
Data File : BM047222.D
Acq On : 15 Aug 2024 19:33
Operator : RC/JU
Sample : P3518-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OU4-TS-05-080724

Quant Time: Aug 16 01:19:59 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

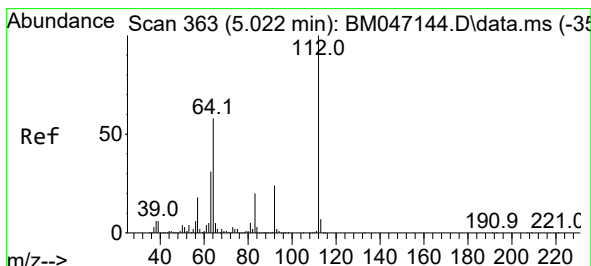
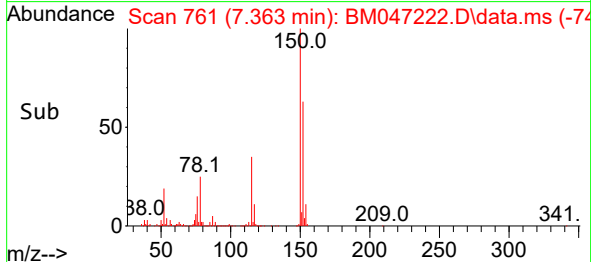
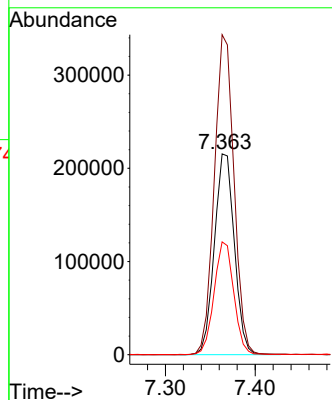
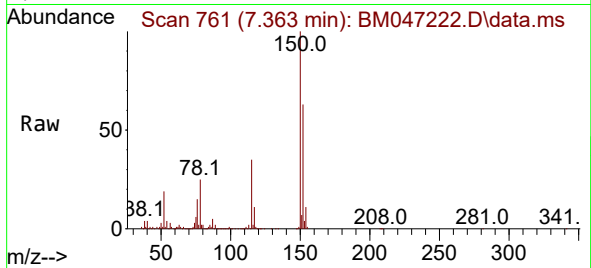




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.363 min Scan# 761
Delta R.T. -0.012 min
Lab File: BM047222.D
Acq: 15 Aug 2024 19:33

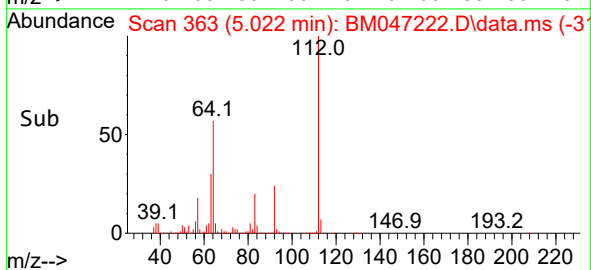
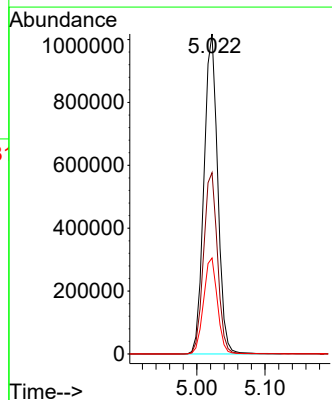
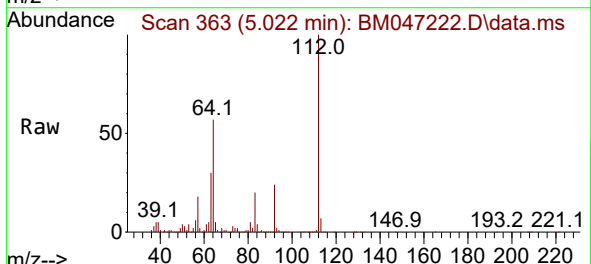
Instrument :
BNA_M
ClientSampleId :
OU4-TS-05-080724

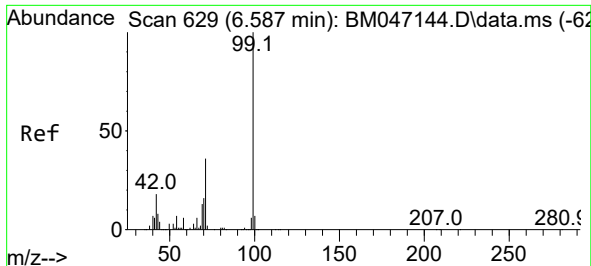
Tgt Ion:152 Resp: 333710
Ion Ratio Lower Upper
152 100
150 159.4 120.5 180.7
115 56.2 45.5 68.3



#5
2-Fluorophenol
Concen: 76.461 ng
RT: 5.022 min Scan# 363
Delta R.T. -0.000 min
Lab File: BM047222.D
Acq: 15 Aug 2024 19:33

Tgt Ion:112 Resp: 1427988
Ion Ratio Lower Upper
112 100
64 56.6 46.7 70.1
63 30.0 24.8 37.2

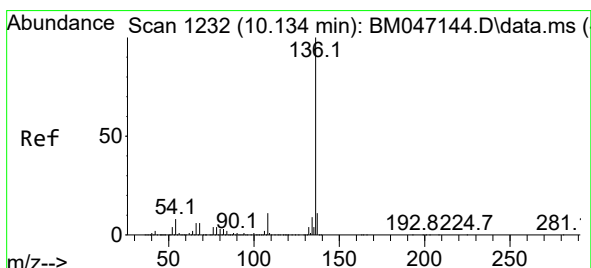
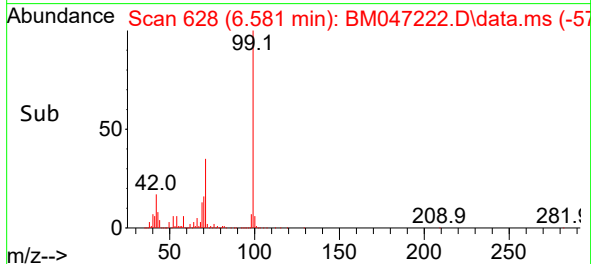
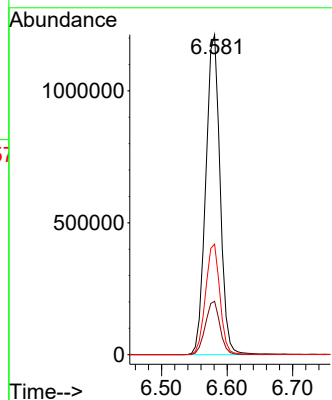
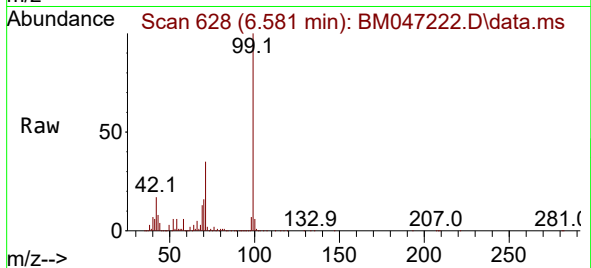




#7
Phenol-d6
Concen: 71.830 ng
RT: 6.581 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM047222.D
Acq: 15 Aug 2024 19:33

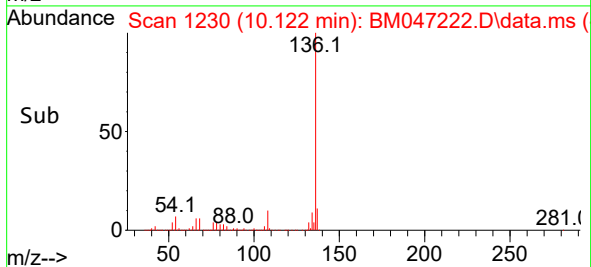
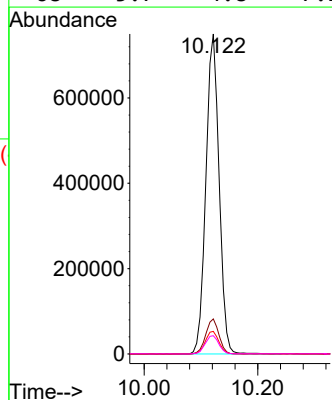
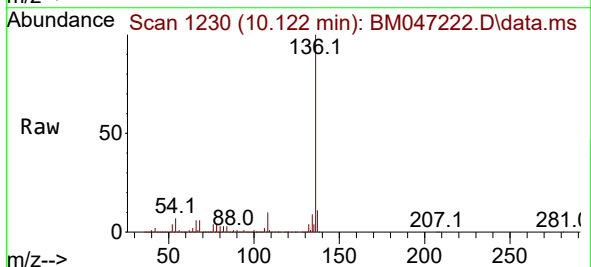
Instrument :
BNA_M
ClientSampleId :
OU4-TS-05-080724

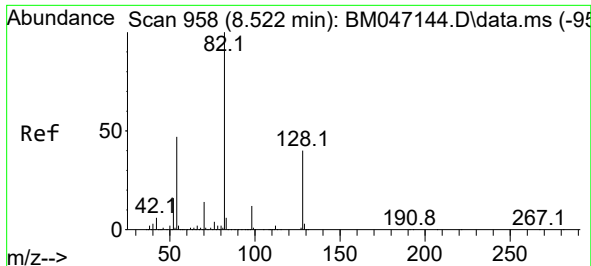
Tgt Ion: 99 Resp: 1848461
Ion Ratio Lower Upper
99 100
42 16.7 14.1 21.1
71 34.5 28.5 42.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.122 min Scan# 1230
Delta R.T. -0.012 min
Lab File: BM047222.D
Acq: 15 Aug 2024 19:33

Tgt Ion: 136 Resp: 1204983
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 7.1 6.0 9.0
68 5.7 4.8 7.2

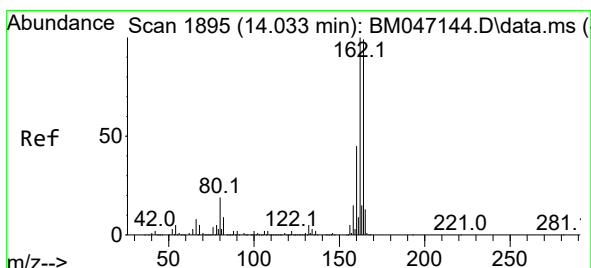
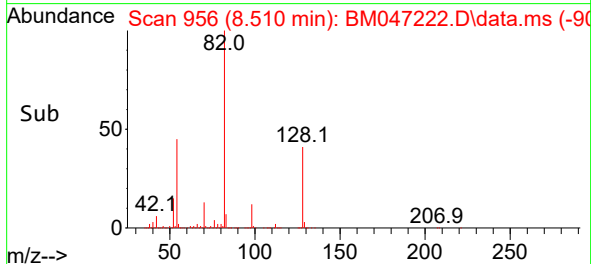
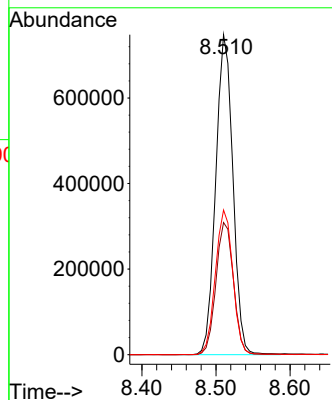
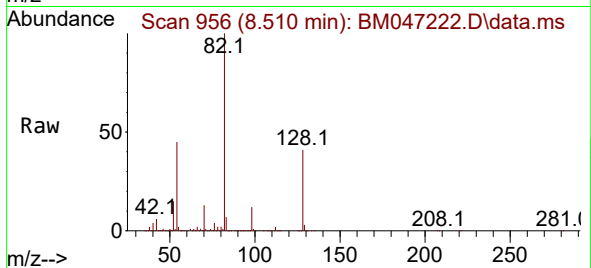




#23
Nitrobenzene-d5
Concen: 50.210 ng
RT: 8.510 min Scan# 91
Delta R.T. -0.012 min
Lab File: BM047222.D
Acq: 15 Aug 2024 19:33

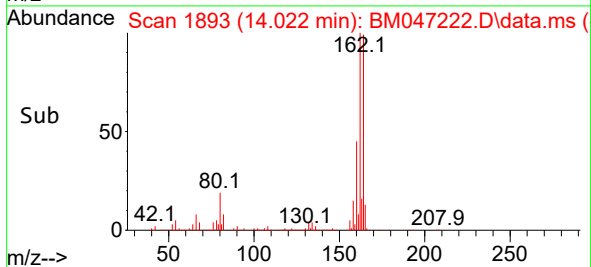
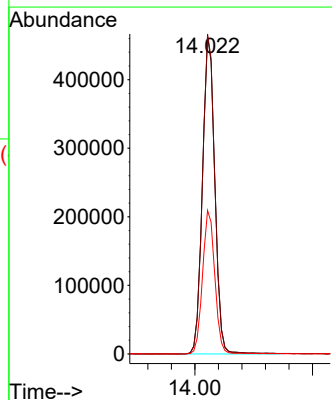
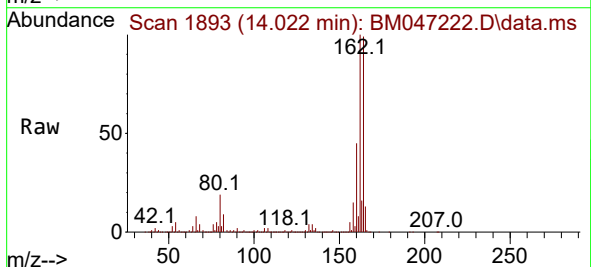
Instrument :
BNA_M
ClientSampleId :
OU4-TS-05-080724

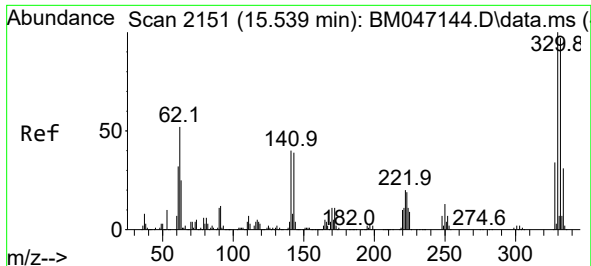
Tgt Ion: 82 Resp: 1201558
Ion Ratio Lower Upper
82 100
128 41.3 32.3 48.5
54 45.2 37.4 56.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.022 min Scan# 1893
Delta R.T. -0.012 min
Lab File: BM047222.D
Acq: 15 Aug 2024 19:33

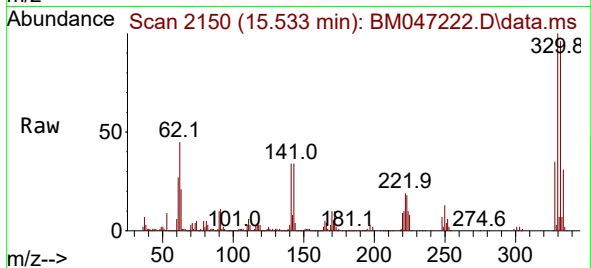
Tgt Ion:164 Resp: 674607
Ion Ratio Lower Upper
164 100
162 100.8 80.7 121.1
160 45.2 36.0 54.0



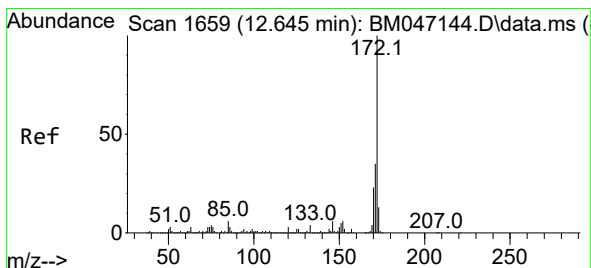
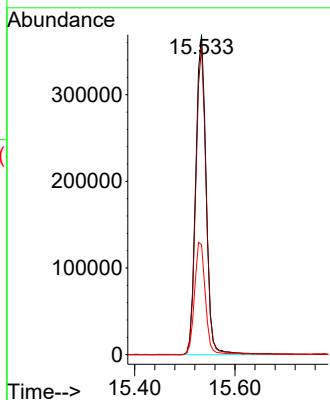
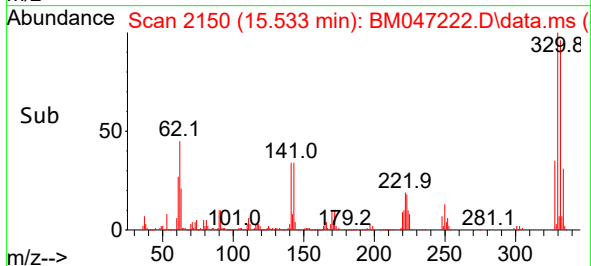


#42
2,4,6-Tribromophenol
Concen: 68.313 ng
RT: 15.533 min Scan# 2151
Delta R.T. -0.006 min
Lab File: BM047222.D
Acq: 15 Aug 2024 19:33

Instrument :
BNA_M
ClientSampleId :
OU4-TS-05-080724

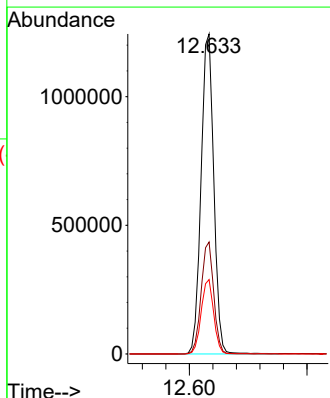
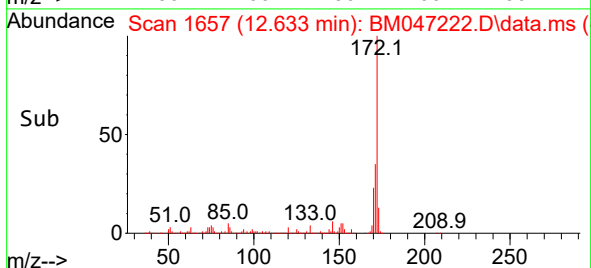
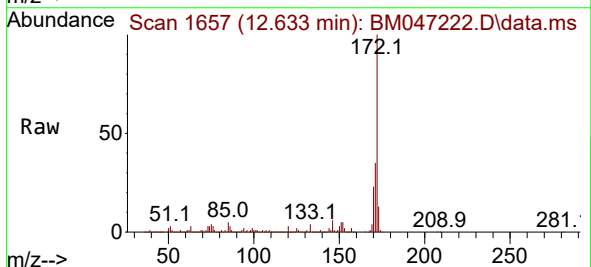


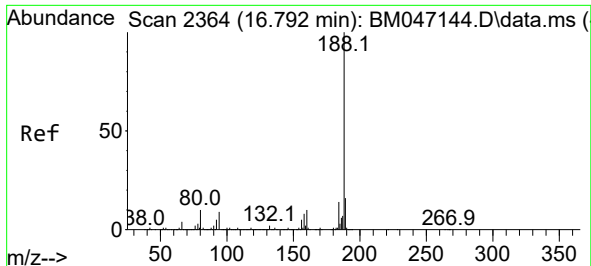
Tgt Ion:330 Resp: 534354
Ion Ratio Lower Upper
330 100
332 96.0 77.4 116.2
141 36.2 31.6 47.4



#45
2-Fluorobiphenyl
Concen: 42.592 ng
RT: 12.633 min Scan# 1657
Delta R.T. -0.012 min
Lab File: BM047222.D
Acq: 15 Aug 2024 19:33

Tgt Ion:172 Resp: 1862702
Ion Ratio Lower Upper
172 100
171 35.0 27.8 41.6
170 23.2 18.7 28.1

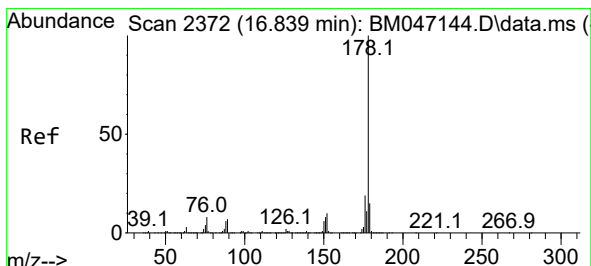
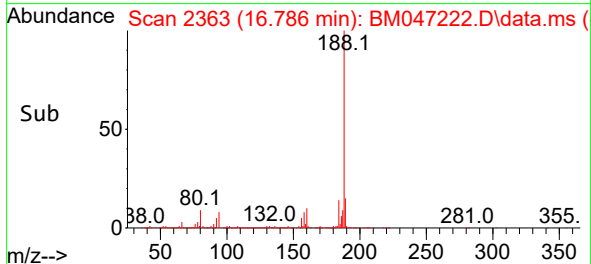
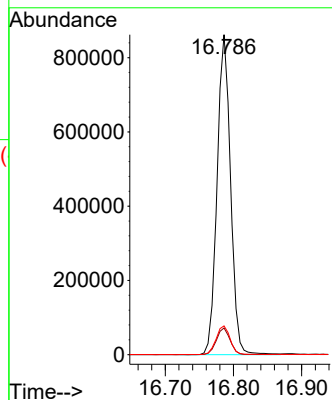
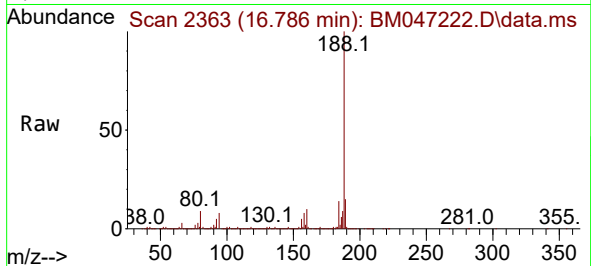




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.786 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM047222.D
Acq: 15 Aug 2024 19:33

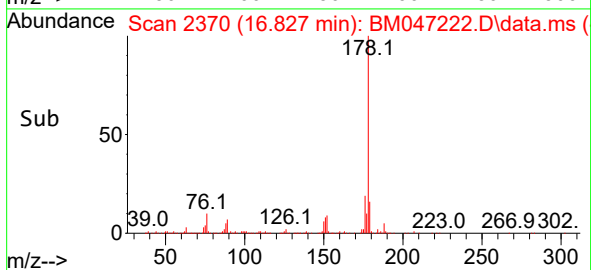
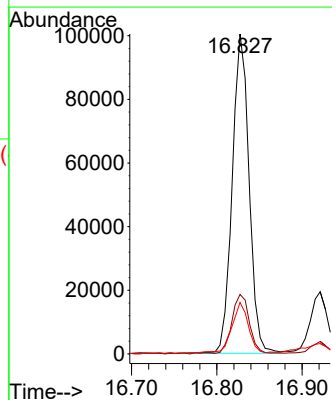
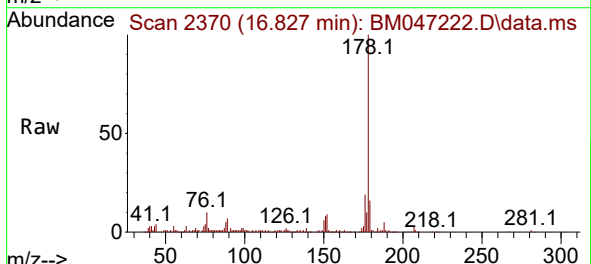
Instrument :
BNA_M
ClientSampleId :
OU4-TS-05-080724

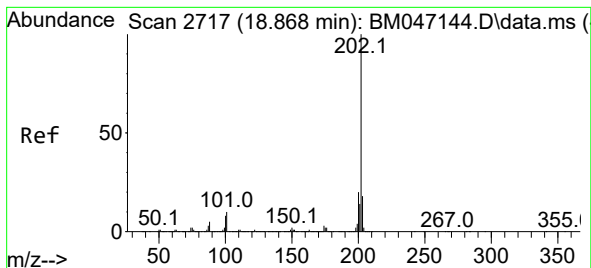
Tgt Ion:188 Resp: 1184365
Ion Ratio Lower Upper
188 100
94 8.4 7.0 10.6
80 9.0 8.0 12.0



#71
Phenanthrene
Concen: 2.321 ng
RT: 16.827 min Scan# 2370
Delta R.T. -0.012 min
Lab File: BM047222.D
Acq: 15 Aug 2024 19:33

Tgt Ion:178 Resp: 137967
Ion Ratio Lower Upper
178 100
176 18.6 15.3 22.9
179 16.1 12.4 18.6





#75

Fluoranthene

Concen: 4.573 ng

RT: 18.862 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM047222.D

Acq: 15 Aug 2024 19:33

Instrument :

BNA_M

ClientSampleId :

OU4-TS-05-080724

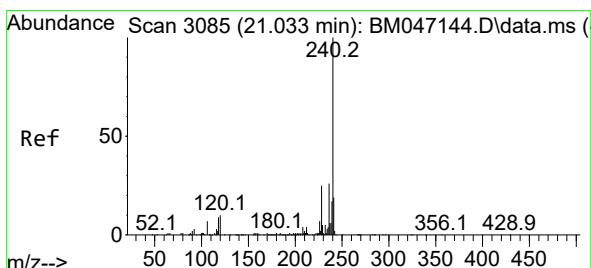
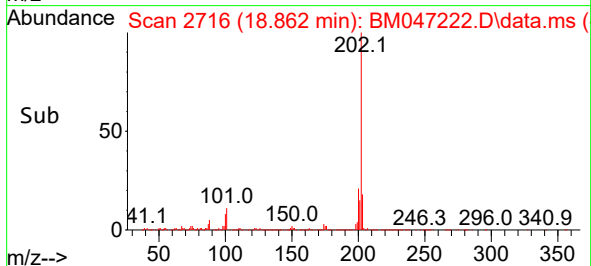
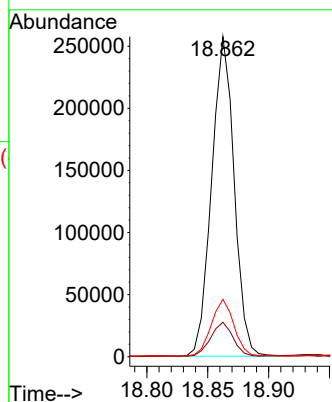
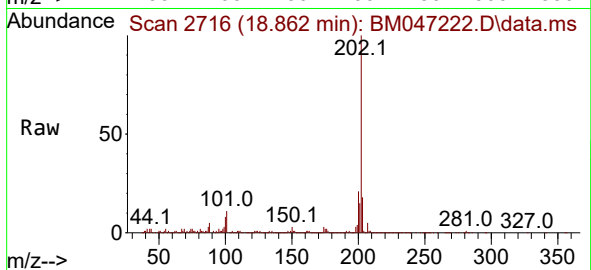
Tgt Ion:202 Resp: 330584

Ion Ratio Lower Upper

202 100

101 10.7 0.0 30.2

203 17.9 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: BM047222.D

Acq: 15 Aug 2024 19:33

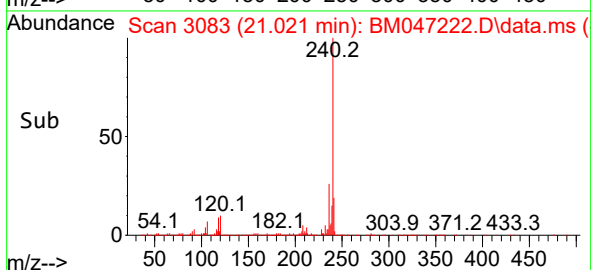
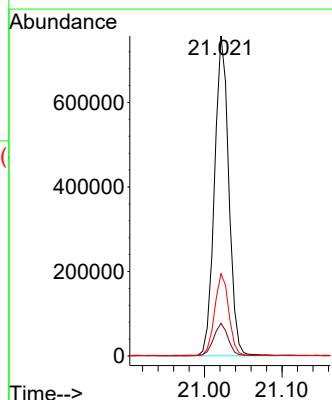
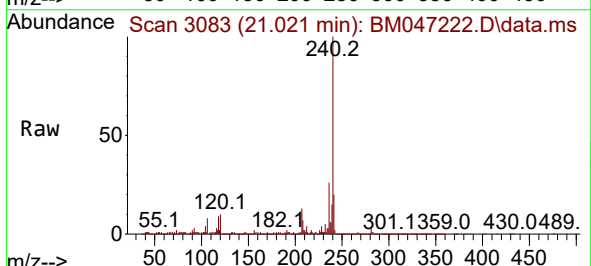
Tgt Ion:240 Resp: 973369

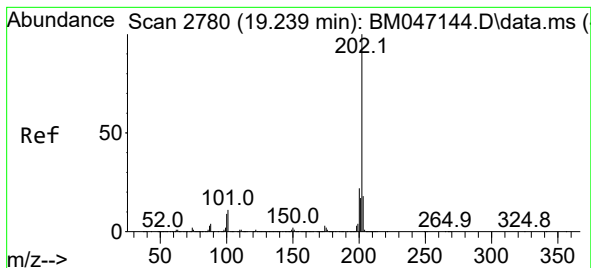
Ion Ratio Lower Upper

240 100

120 10.2 8.2 12.2

236 25.7 20.6 30.8





#78

Pyrene

Concen: 4.435 ng

RT: 19.227 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM047222.D

Acq: 15 Aug 2024 19:33

Instrument :

BNA_M

ClientSampleId :

OU4-TS-05-080724

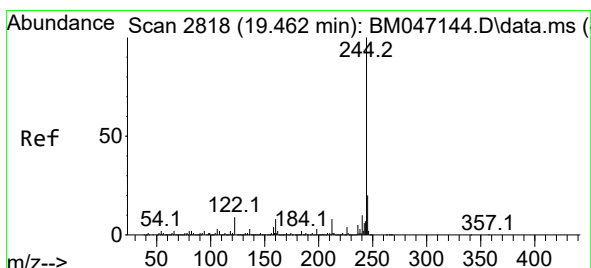
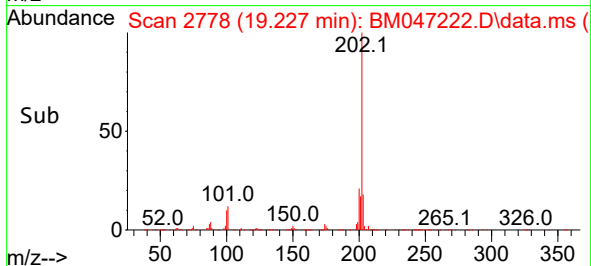
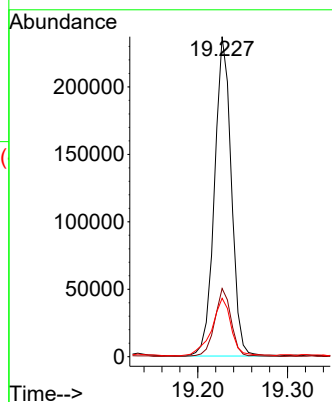
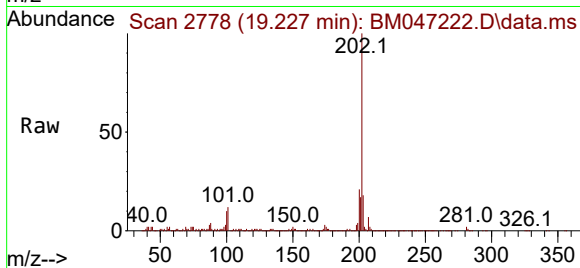
Tgt Ion:202 Resp: 308272

Ion Ratio Lower Upper

202 100

200 21.3 17.2 25.8

203 18.2 14.2 21.2



#79

Terphenyl-d14

Concen: 42.353 ng

RT: 19.451 min Scan# 2816

Delta R.T. -0.012 min

Lab File: BM047222.D

Acq: 15 Aug 2024 19:33

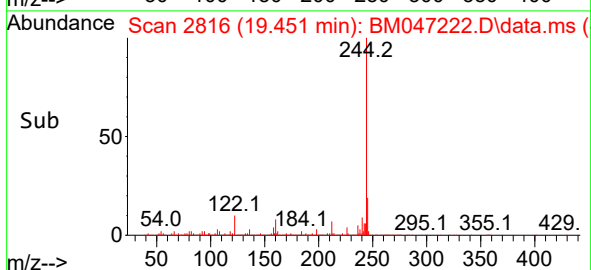
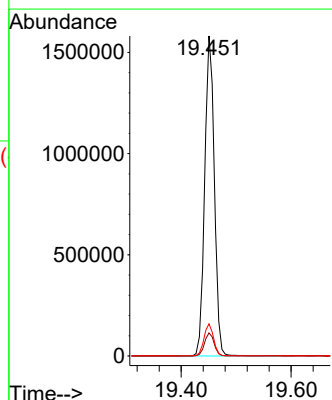
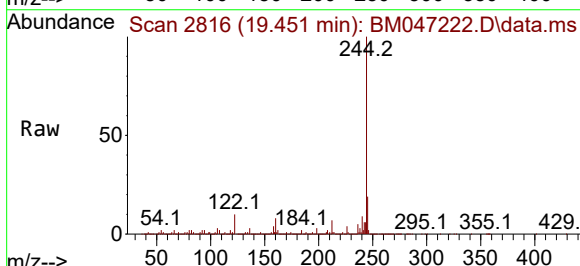
Tgt Ion:244 Resp: 1923909

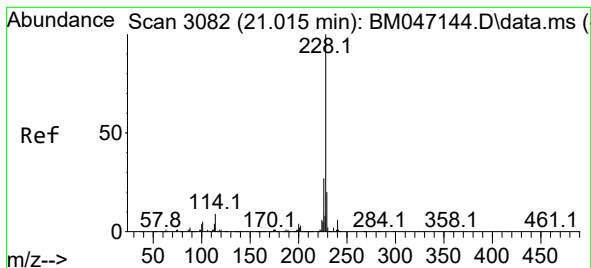
Ion Ratio Lower Upper

244 100

212 7.2 6.2 9.4

122 10.0 7.1 10.7





#81

Benzo(a)anthracene

Concen: 2.289 ng

RT: 21.003 min Scan# 3080

Delta R.T. -0.012 min

Lab File: BM047222.D

Acq: 15 Aug 2024 19:33

Instrument :

BNA_M

ClientSampleId :

OU4-TS-05-080724

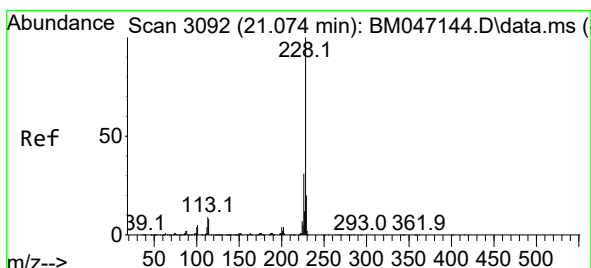
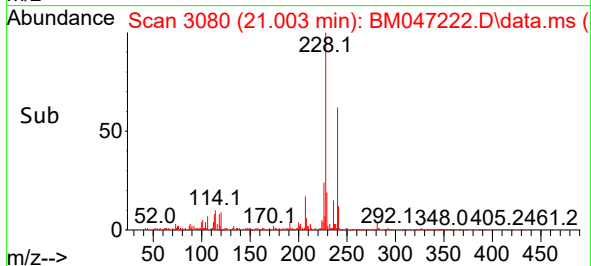
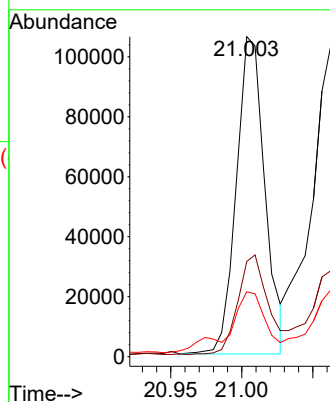
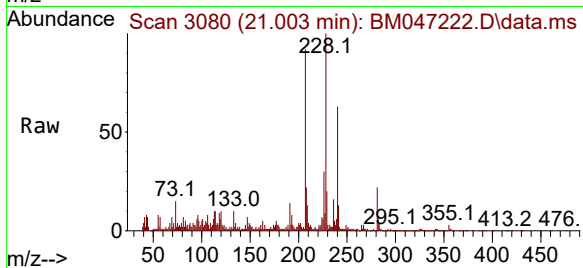
Tgt Ion:228 Resp: 147929

Ion Ratio Lower Upper

228 100

226 29.8 21.8 32.6

229 20.3 15.8 23.8



#83

Chrysene

Concen: 2.660 ng

RT: 21.062 min Scan# 3090

Delta R.T. -0.012 min

Lab File: BM047222.D

Acq: 15 Aug 2024 19:33

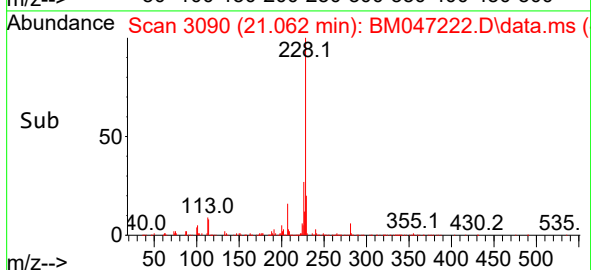
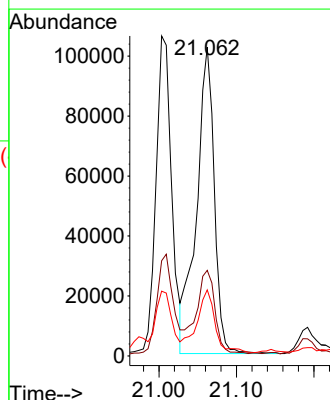
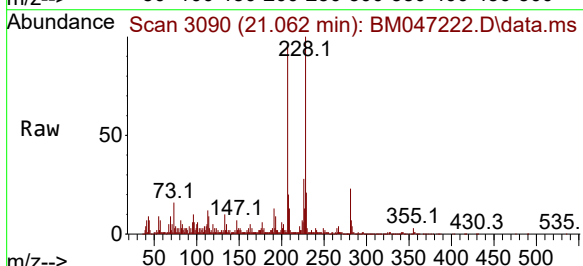
Tgt Ion:228 Resp: 163086

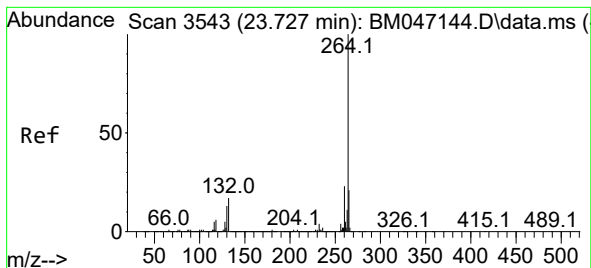
Ion Ratio Lower Upper

228 100

226 27.7 24.4 36.6

229 21.4 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: BM047222.D

Acq: 15 Aug 2024 19:33

Instrument :

BNA_M

ClientSampleId :

OU4-TS-05-080724

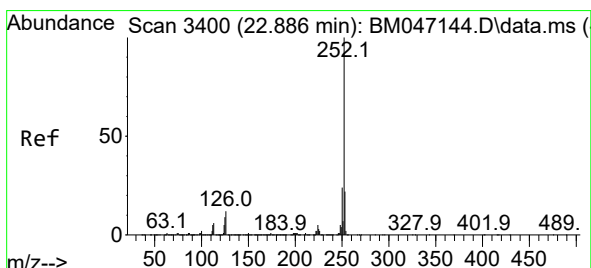
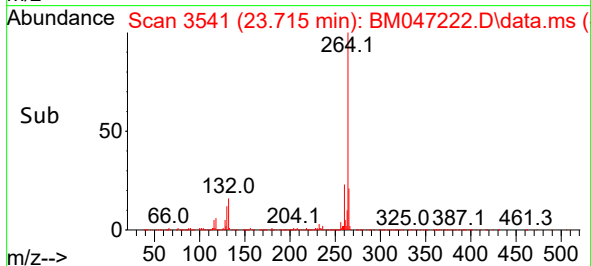
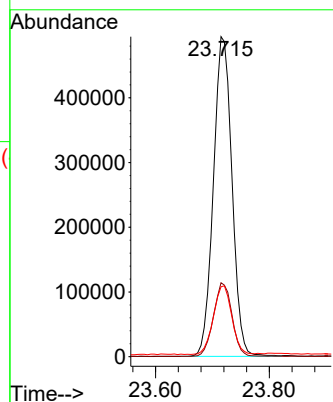
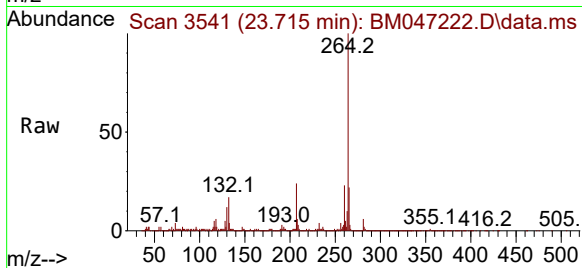
Tgt Ion:264 Resp: 1120925

Ion Ratio Lower Upper

264 100

260 23.1 18.5 27.7

265 21.9 17.3 25.9



#88

Benzo(b)fluoranthene

Concen: 3.510 ng

RT: 22.874 min Scan# 3398

Delta R.T. -0.012 min

Lab File: BM047222.D

Acq: 15 Aug 2024 19:33

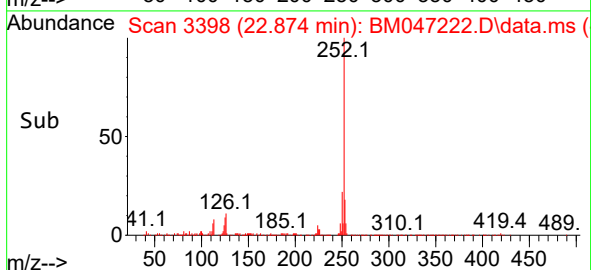
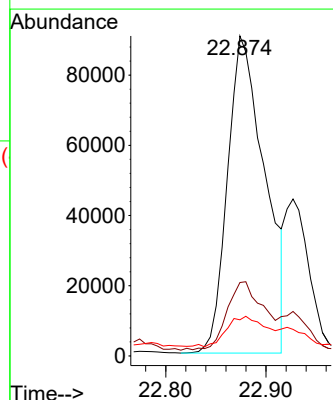
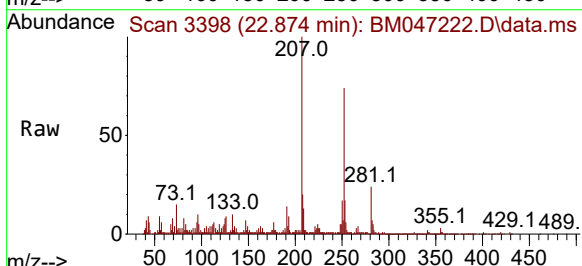
Tgt Ion:252 Resp: 233684

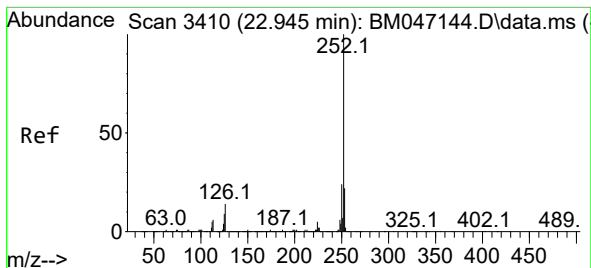
Ion Ratio Lower Upper

252 100

253 23.0 17.8 26.6

125 11.3 7.4 11.0#





#89

Benzo(k)fluoranthene

Concen: 3.717 ng

RT: 22.874 min Scan# 31

Delta R.T. -0.071 min

Lab File: BM047222.D

Acq: 15 Aug 2024 19:33

Instrument :

BNA_M

ClientSampleId :

OU4-TS-05-080724

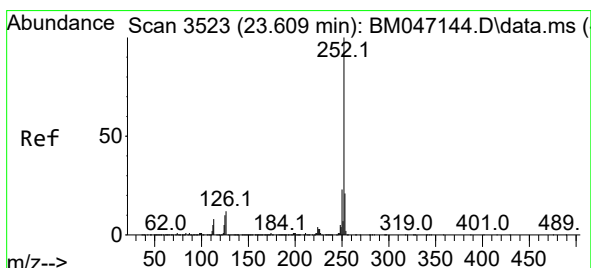
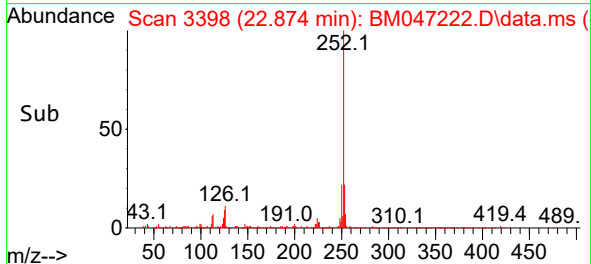
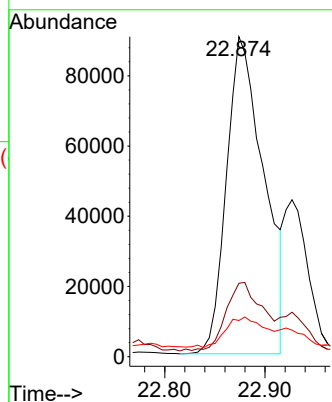
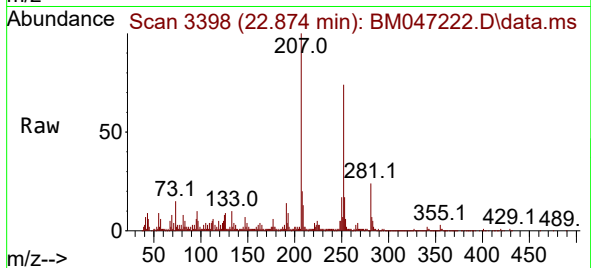
Tgt Ion:252 Resp: 233684

Ion Ratio Lower Upper

252 100

253 23.0 17.7 26.5

125 11.3 7.4 11.2#



#90

Benzo(a)pyrene

Concen: 2.589 ng

RT: 23.592 min Scan# 3520

Delta R.T. -0.018 min

Lab File: BM047222.D

Acq: 15 Aug 2024 19:33

Tgt Ion:252 Resp: 149319

Ion Ratio Lower Upper

252 100

253 22.8 17.1 25.7

125 13.2 8.2 12.2#

