

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081524\
 Data File : BM047195.D
 Acq On : 14 Aug 2024 17:31
 Operator : RC/JU
 Sample : P3519-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 OU4-TS-17-080724

Quant Time: Aug 14 18:10:52 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 14 17:18:06 2024
 Response via : Initial Calibration

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

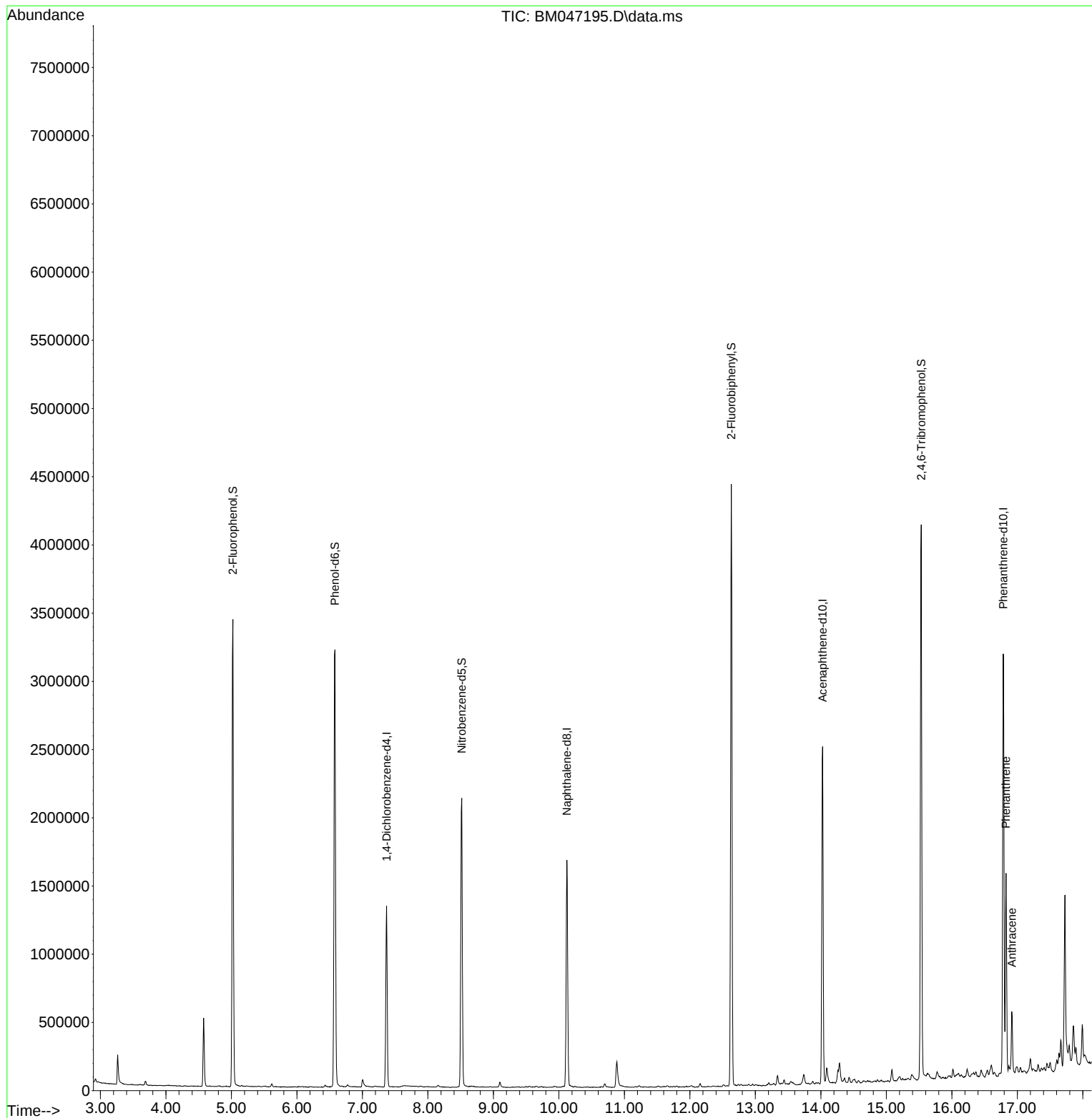
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.369	152	345432	20.000	ng	0.00
21) Naphthalene-d8	10.122	136	1322790	20.000	ng	-0.01
39) Acenaphthene-d10	14.027	164	855111	20.000	ng	0.00
64) Phenanthrene-d10	16.786	188	1776992	20.000	ng	0.00
76) Chrysene-d12	21.021	240	1367688	20.000	ng	-0.01
86) Perylene-d12	23.715	264	1306766	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.022	112	1407176	72.790	ng	0.00
7) Phenol-d6	6.581	99	1851315	69.499	ng	0.00
23) Nitrobenzene-d5	8.516	82	1225617	46.654	ng	0.00
42) 2,4,6-Tribromophenol	15.533	330	715757	72.188	ng	0.00
45) 2-Fluorobiphenyl	12.633	172	2275500	41.048	ng	-0.01
79) Terphenyl-d14	19.451	244	2983474	46.742	ng	-0.01
Target Compounds						
						Qvalue
71) Phenanthrene	16.827	178	812642	9.112	ng	100
72) Anthracene	16.915	178	211677	2.439	ng	100
75) Fluoranthene	18.862	202	1336179	12.318	ng	100
78) Pyrene	19.227	202	1197192	12.259	ng	99
81) Benzo(a)anthracene	21.003	228	506451	5.578	ng	98
83) Chrysene	21.062	228	482713	5.604	ng	96
87) Indeno(1,2,3-cd)pyrene	26.697	276	246814	2.922	ng	97
88) Benzo(b)fluoranthene	22.874	252	548033	7.062	ng	# 97
89) Benzo(k)fluoranthene	22.874	252	548033	7.477	ng	# 97
90) Benzo(a)pyrene	23.591	252	406147	6.042	ng	# 97
92) Benzo(g,h,i)perylene	27.626	276	243024	3.424	ng	97

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

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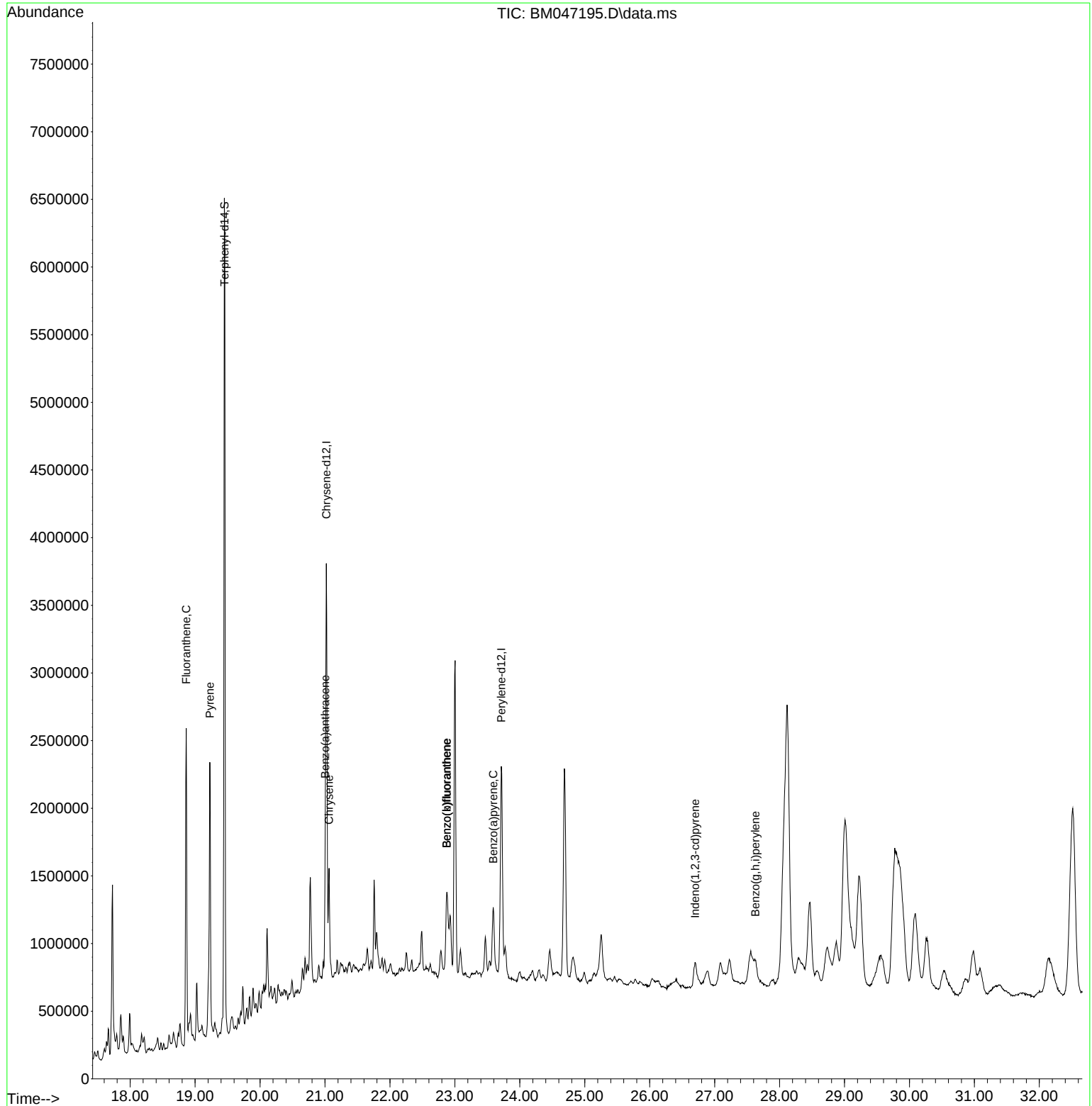
Quant Time: Aug 14 18:10:52 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 17:18:06 2024
Response via : Initial Calibration

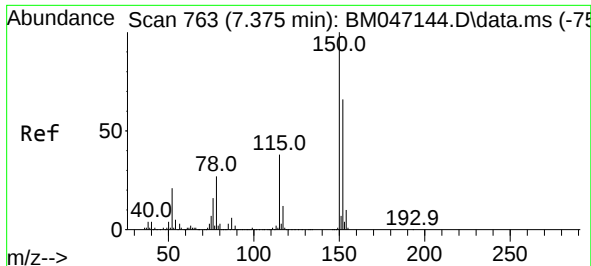


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081524\
Data File : BM047195.D
Acq On : 14 Aug 2024 17:31
Operator : RC/JU
Sample : P3519-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OU4-TS-17-080724

Quant Time: Aug 14 18:10:52 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 17:18:06 2024
Response via : Initial Calibration

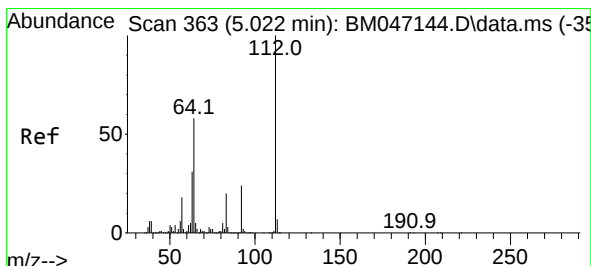
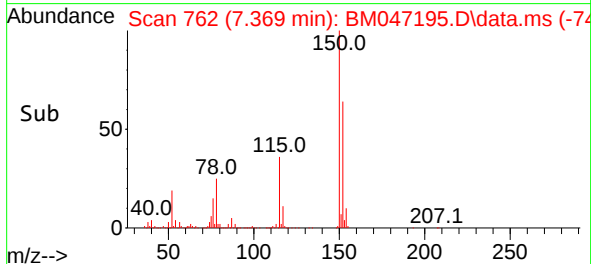
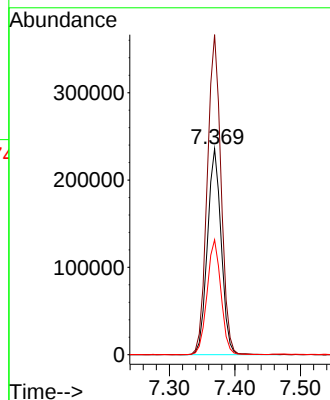
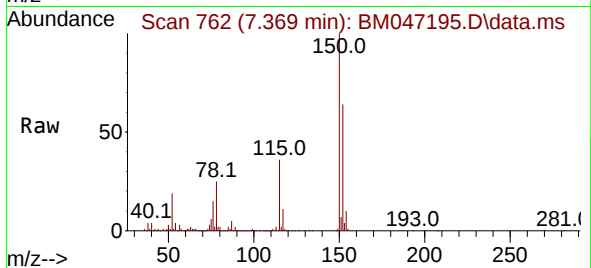




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.369 min Scan# 762
Delta R.T. -0.006 min
Lab File: BM047195.D
Acq: 14 Aug 2024 17:31

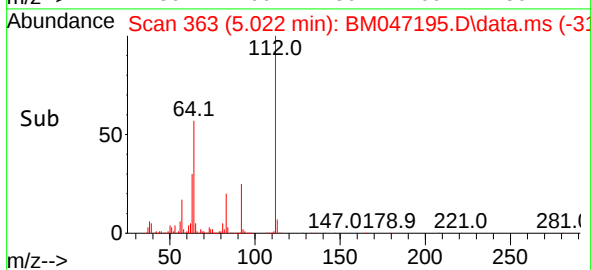
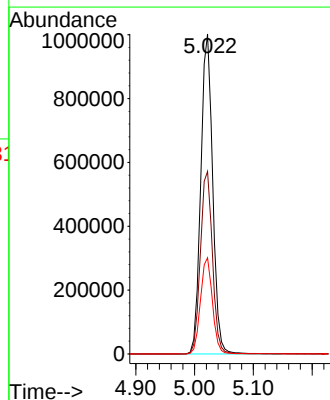
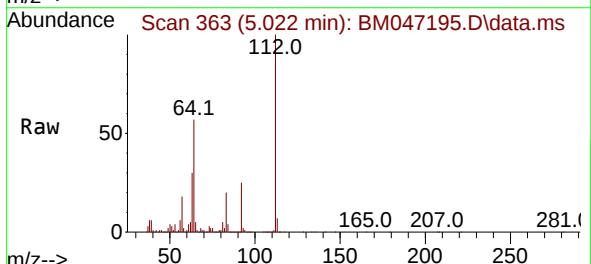
Instrument :
BNA_M
ClientSampleId :
OU4-TS-17-080724

Tgt Ion:152 Resp: 345432
Ion Ratio Lower Upper
152 100
150 155.4 120.5 180.7
115 55.8 45.5 68.3



#5
2-Fluorophenol
Concen: 72.790 ng
RT: 5.022 min Scan# 363
Delta R.T. -0.000 min
Lab File: BM047195.D
Acq: 14 Aug 2024 17:31

Tgt Ion:112 Resp: 1407176
Ion Ratio Lower Upper
112 100
64 57.1 46.7 70.1
63 30.1 24.8 37.2

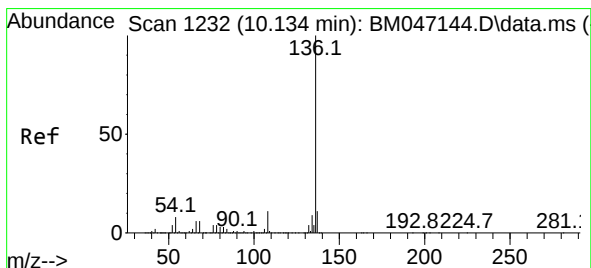
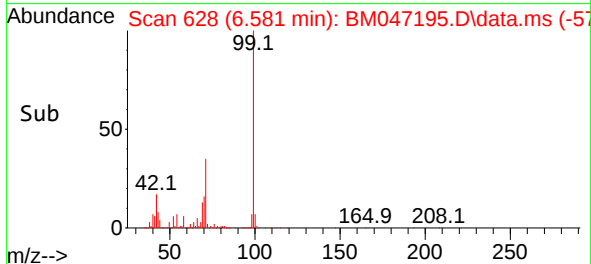
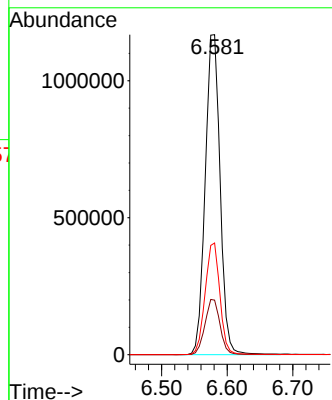
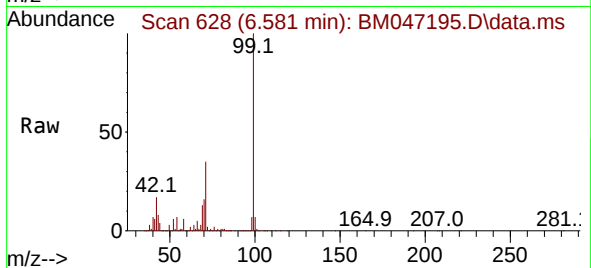




#7
Phenol-d6
Concen: 69.499 ng
RT: 6.581 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM047195.D
Acq: 14 Aug 2024 17:31

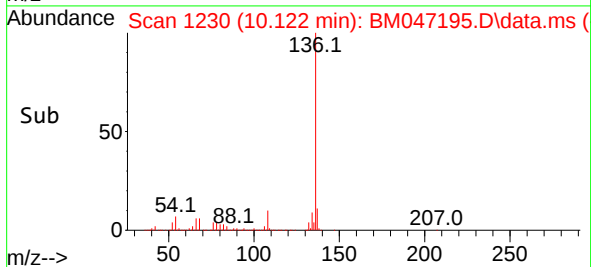
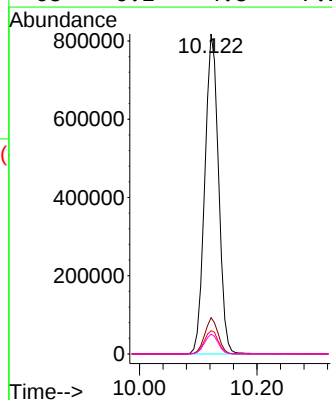
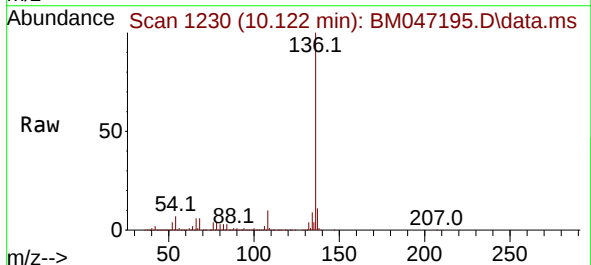
Instrument :
BNA_M
ClientSampleId :
OU4-TS-17-080724

Tgt Ion: 99 Resp: 1851315
Ion Ratio Lower Upper
99 100
42 17.0 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: BM047195.D
Acq: 14 Aug 2024 17:31

Tgt Ion: 136 Resp: 1322790
Ion Ratio Lower Upper
136 100
137 11.3 8.8 13.2
54 7.3 6.0 9.0
68 6.2 4.8 7.2

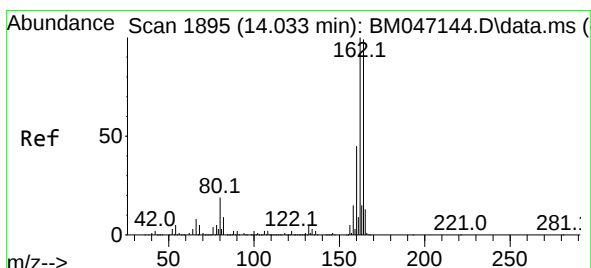
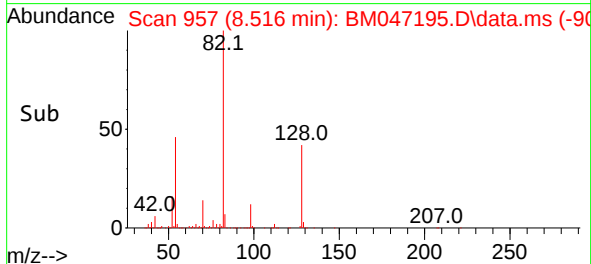
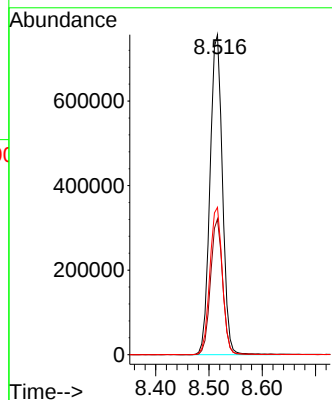
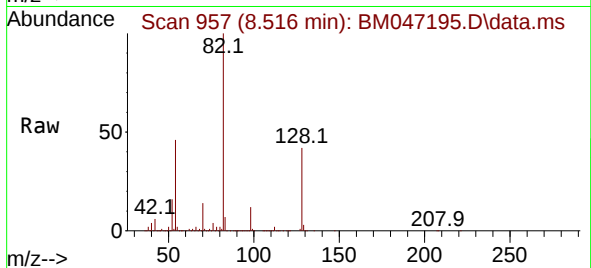




#23
Nitrobenzene-d5
Concen: 46.654 ng
RT: 8.516 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM047195.D
Acq: 14 Aug 2024 17:31

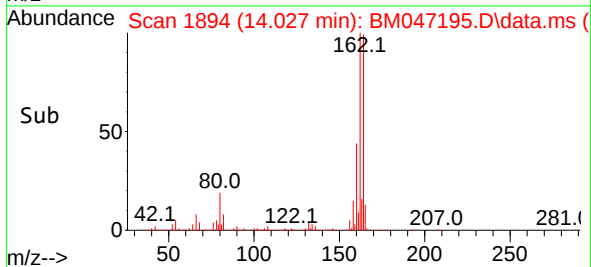
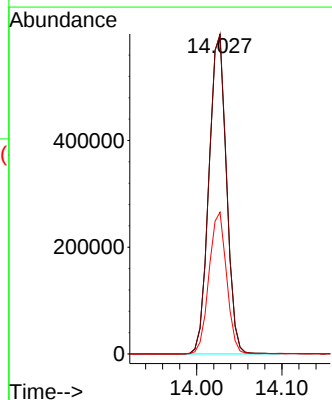
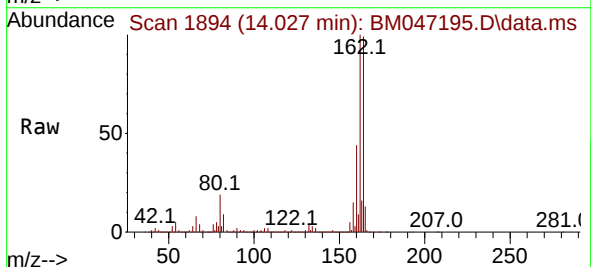
Instrument :
BNA_M
ClientSampleId :
OU4-TS-17-080724

Tgt Ion: 82 Resp: 1225617
Ion Ratio Lower Upper
82 100
128 42.4 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: BM047195.D
Acq: 14 Aug 2024 17:31

Tgt Ion:164 Resp: 855111
Ion Ratio Lower Upper
164 100
162 100.5 80.7 121.1
160 44.6 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 72.188 ng

RT: 15.533 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM047195.D

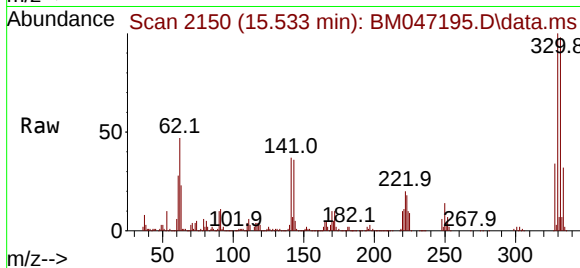
Acq: 14 Aug 2024 17:31

Instrument :

BNA_M

ClientSampleId :

OU4-TS-17-080724



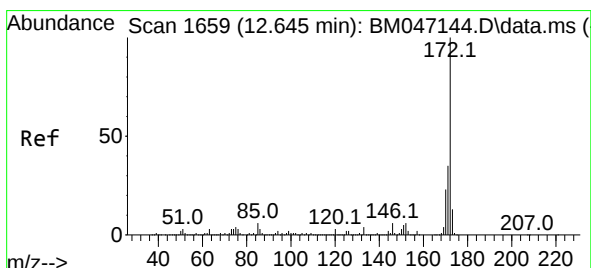
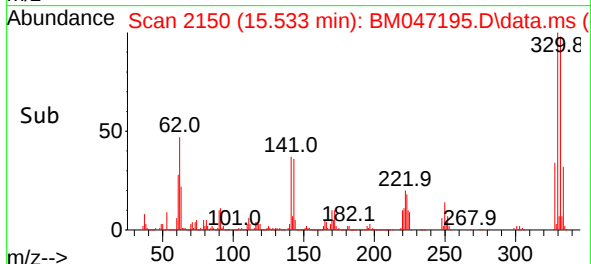
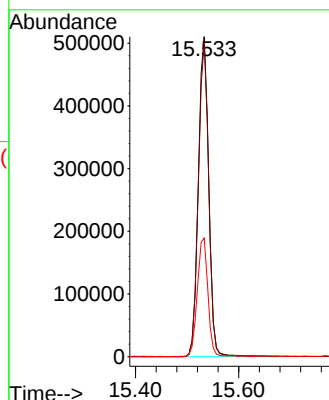
Tgt Ion:330 Resp: 715757

Ion Ratio Lower Upper

330 100

332 97.1 77.4 116.2

141 37.6 31.6 47.4



#45

2-Fluorobiphenyl

Concen: 41.048 ng

RT: 12.633 min Scan# 1657

Delta R.T. -0.012 min

Lab File: BM047195.D

Acq: 14 Aug 2024 17:31

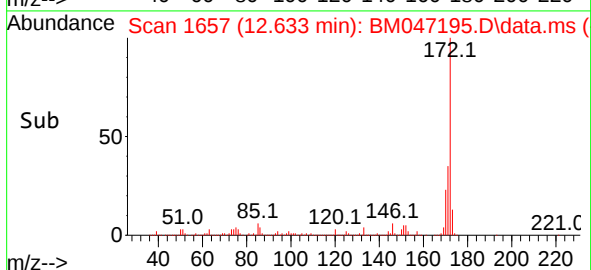
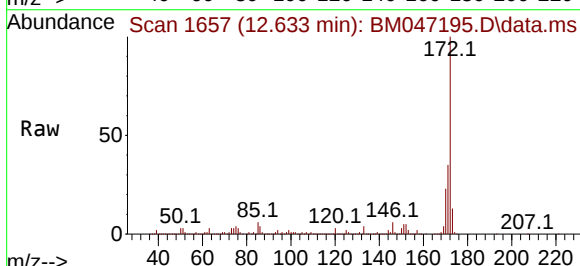
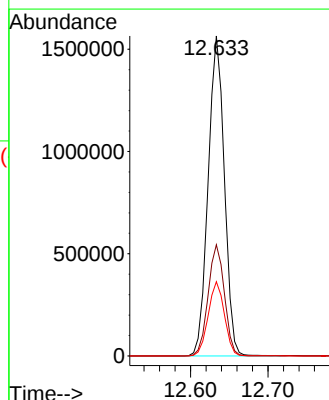
Tgt Ion:172 Resp: 2275500

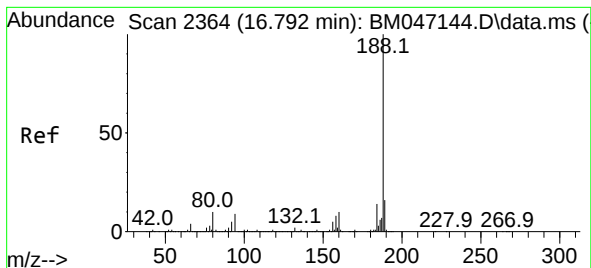
Ion Ratio Lower Upper

172 100

171 34.7 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: BM047195.D

Acq: 14 Aug 2024 17:31

Instrument :

BNA_M

ClientSampleId :

OU4-TS-17-080724

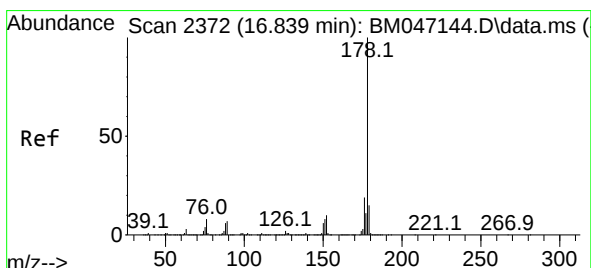
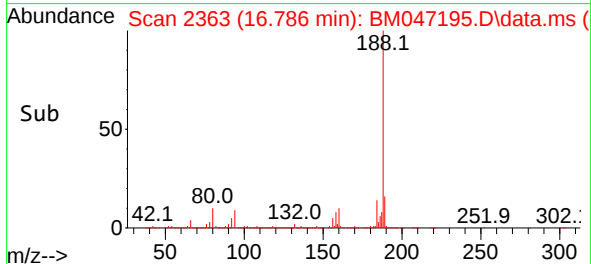
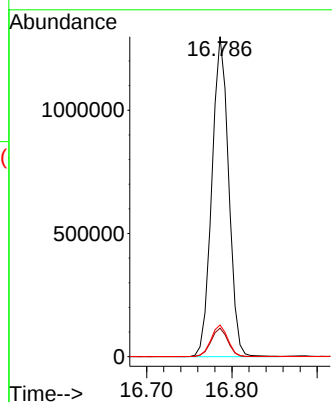
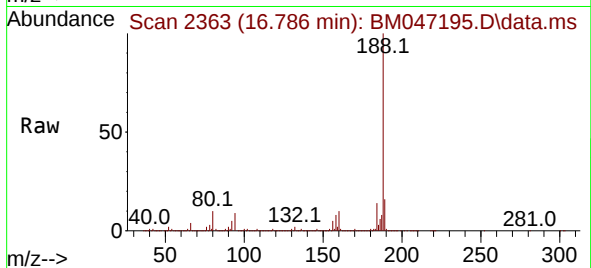
Tgt Ion:188 Resp: 1776992

Ion Ratio Lower Upper

188 100

94 8.9 7.0 10.6

80 9.9 8.0 12.0



#71

Phenanthrene

Concen: 9.112 ng

RT: 16.827 min Scan# 2370

Delta R.T. -0.012 min

Lab File: BM047195.D

Acq: 14 Aug 2024 17:31

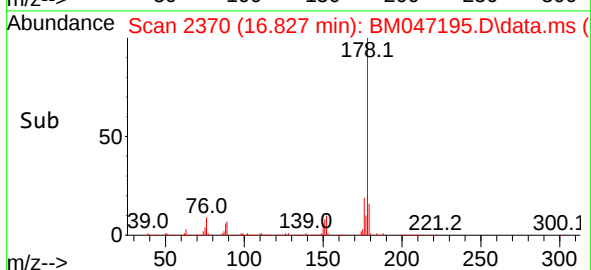
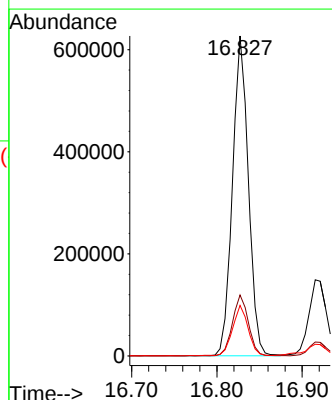
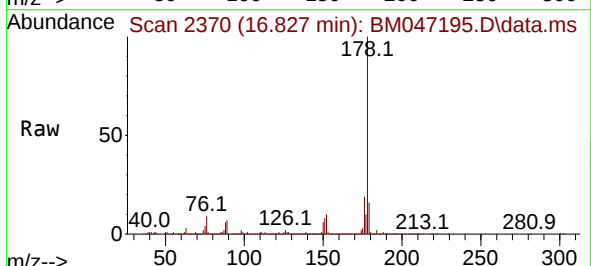
Tgt Ion:178 Resp: 812642

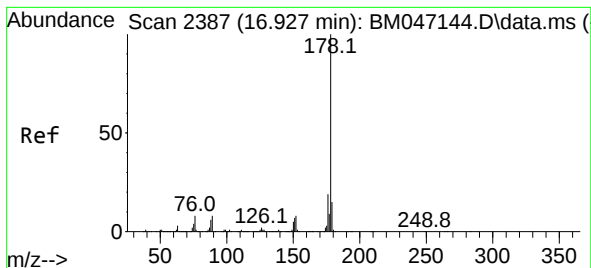
Ion Ratio Lower Upper

178 100

176 19.1 15.3 22.9

179 15.8 12.4 18.6





#72

Anthracene

Concen: 2.439 ng

RT: 16.915 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM047195.D

Acq: 14 Aug 2024 17:31

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OU4-TS-17-080724

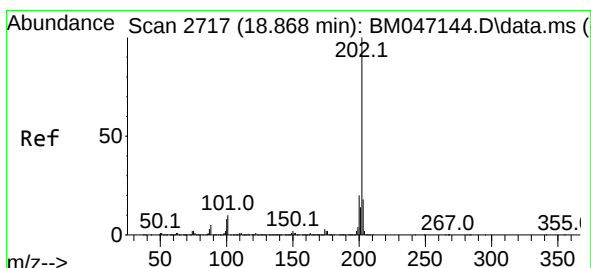
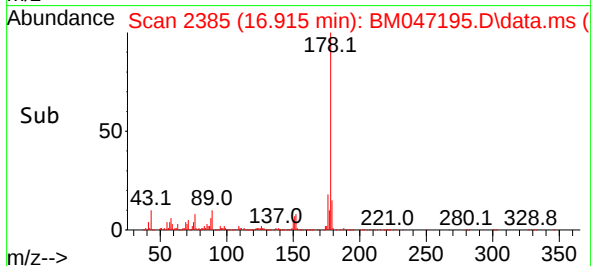
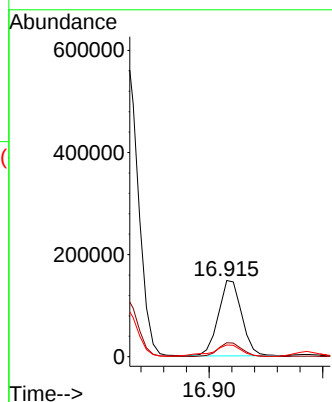
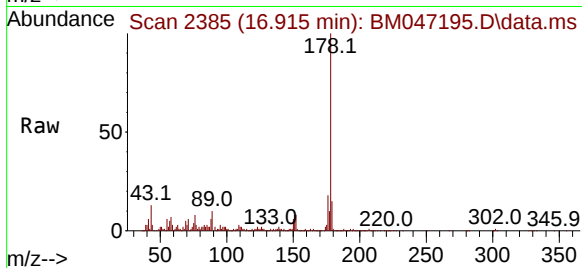
Tgt Ion:178 Resp: 211677

Ion Ratio Lower Upper

178 100

176 18.2 14.8 22.2

179 15.4 12.4 18.6



#75

Fluoranthene

Concen: 12.318 ng

RT: 18.862 min Scan# 2716

Delta R.T. -0.006 min

Lab File: BM047195.D

Acq: 14 Aug 2024 17:31

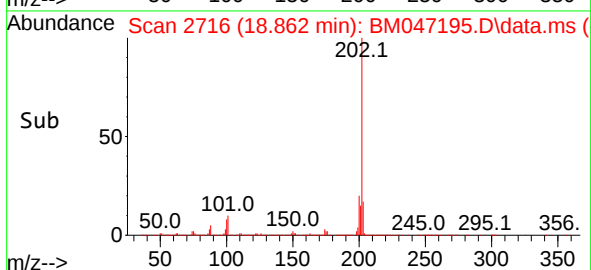
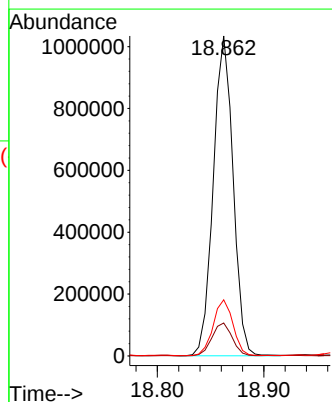
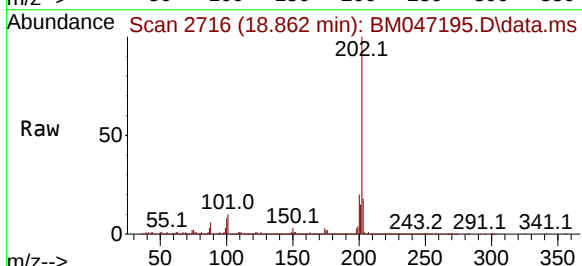
Tgt Ion:202 Resp: 1336179

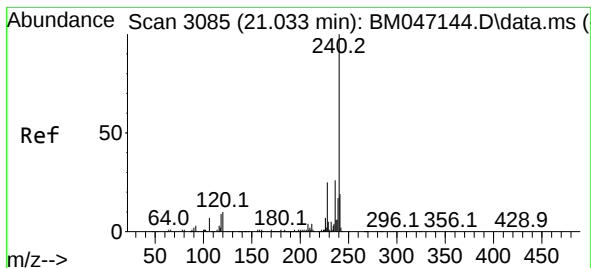
Ion Ratio Lower Upper

202 100

101 10.3 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: BM047195.D

Acq: 14 Aug 2024 17:31

Instrument :

BNA_M

ClientSampleId :

OU4-TS-17-080724

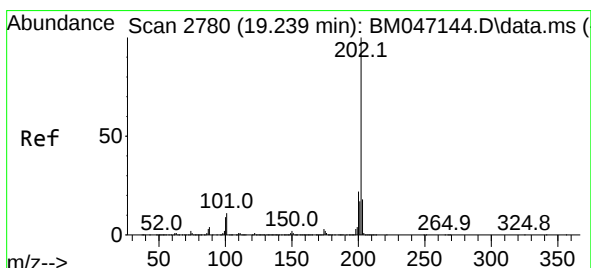
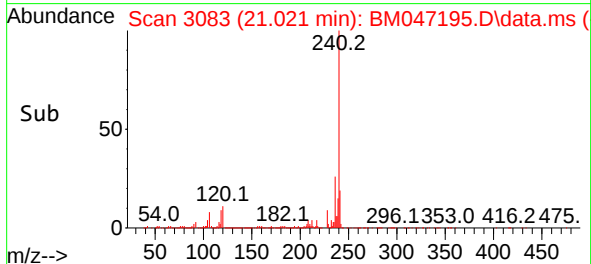
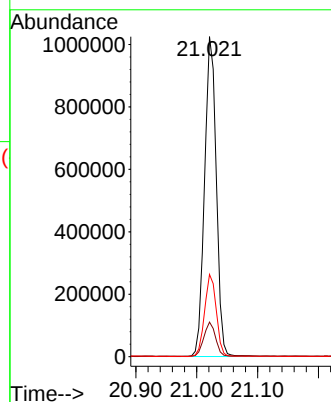
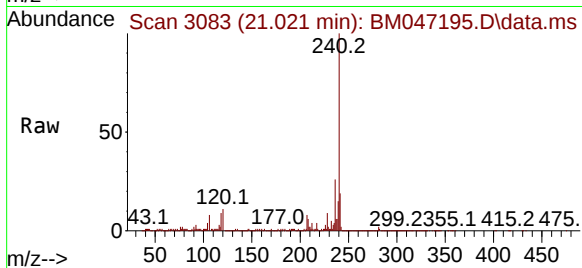
Tgt Ion:240 Resp: 1367688

Ion Ratio Lower Upper

240 100

120 10.8 8.2 12.2

236 25.7 20.6 30.8



#78

Pyrene

Concen: 12.259 ng

RT: 19.227 min Scan# 2778

Delta R.T. -0.012 min

Lab File: BM047195.D

Acq: 14 Aug 2024 17:31

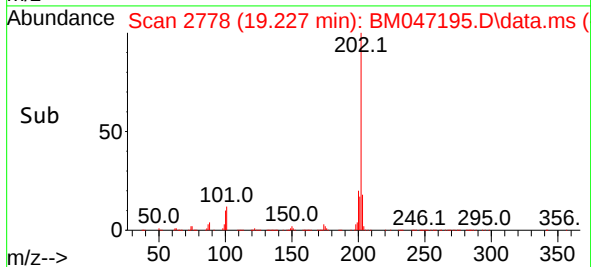
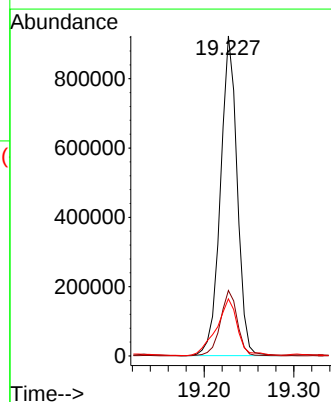
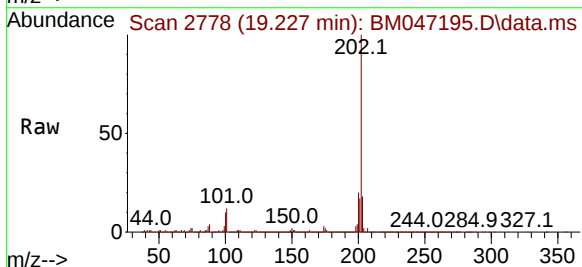
Tgt Ion:202 Resp: 1197192

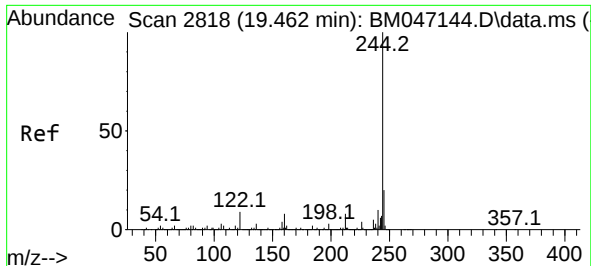
Ion Ratio Lower Upper

202 100

200 20.4 17.2 25.8

203 17.9 14.2 21.2

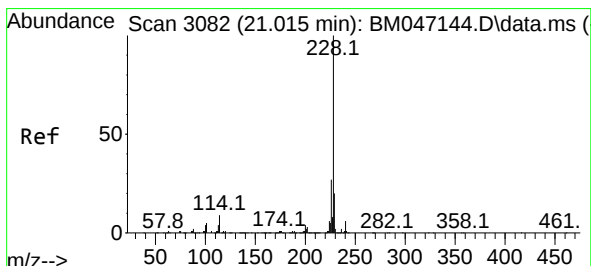
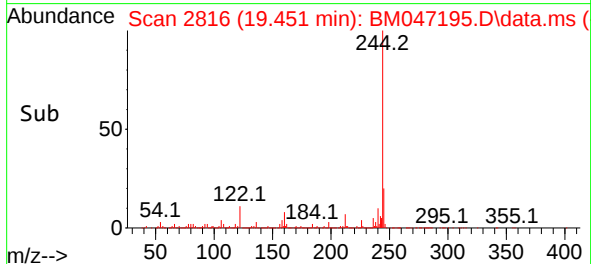
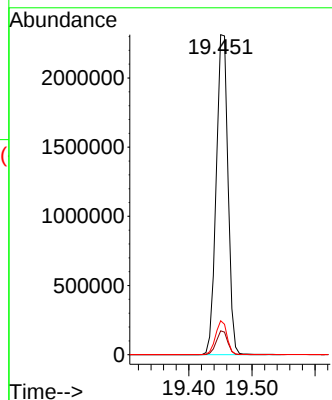
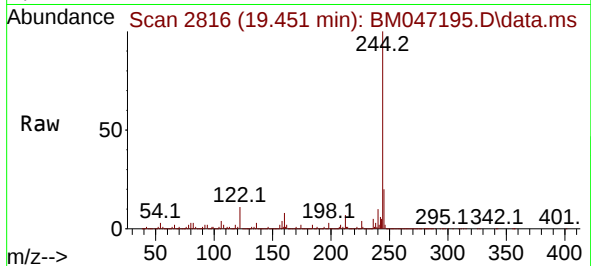




#79
 Terphenyl-d14
 Concen: 46.742 ng
 RT: 19.451 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BM047195.D
 Acq: 14 Aug 2024 17:31

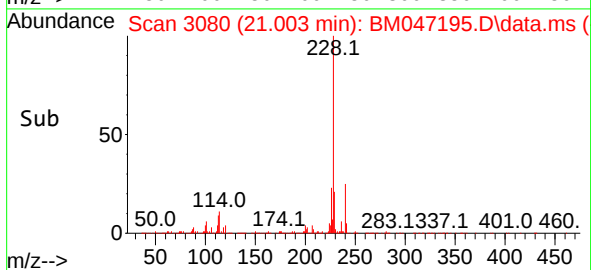
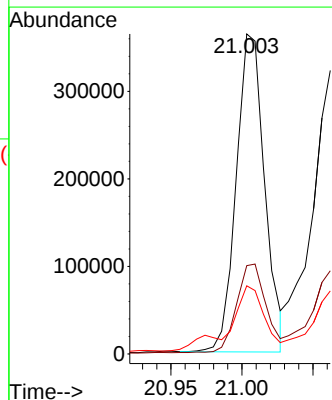
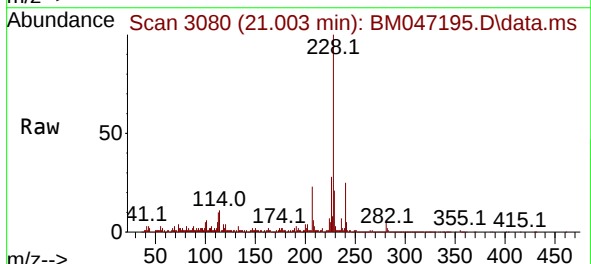
Instrument :
 BNA_M
 ClientSampleId :
 OU4-TS-17-080724

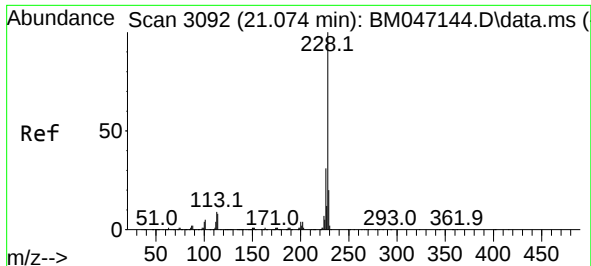
Tgt Ion:244 Resp: 2983474
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.2 9.4
 122 10.6 7.1 10.7



#81
 Benzo(a)anthracene
 Concen: 5.578 ng
 RT: 21.003 min Scan# 3080
 Delta R.T. -0.012 min
 Lab File: BM047195.D
 Acq: 14 Aug 2024 17:31

Tgt Ion:228 Resp: 506451
 Ion Ratio Lower Upper
 228 100
 226 27.6 21.8 32.6
 229 21.3 15.8 23.8

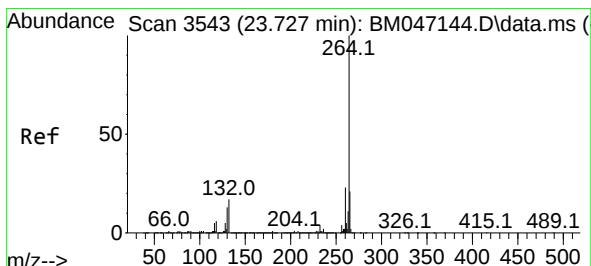
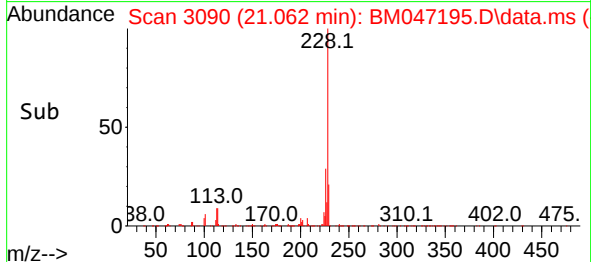
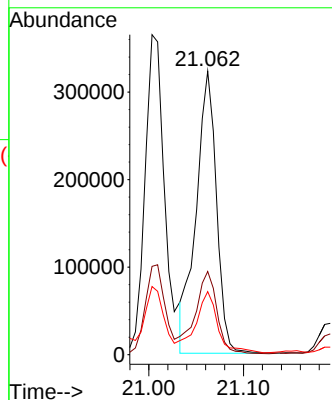
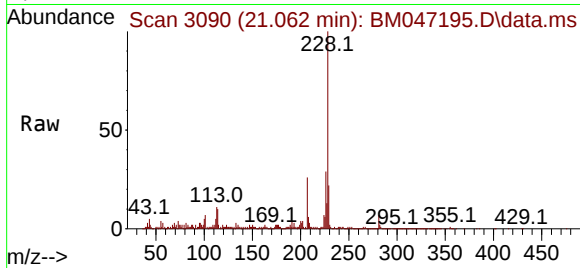




#83
Chrysene
Concen: 5.604 ng
RT: 21.062 min Scan# 3092
Delta R.T. -0.012 min
Lab File: BM047195.D
Acq: 14 Aug 2024 17:31

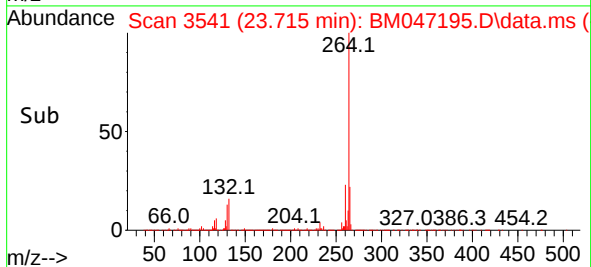
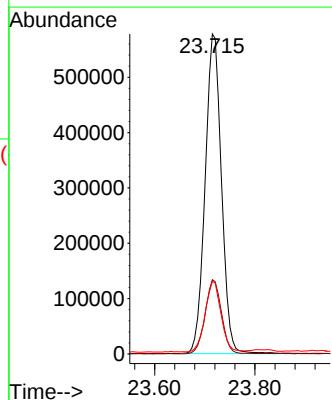
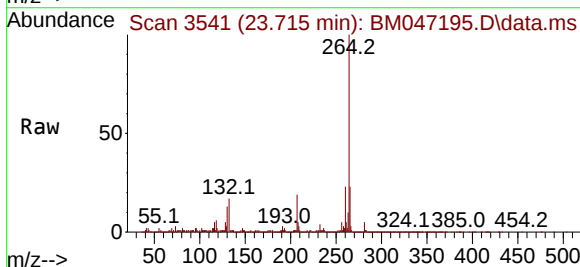
Instrument :
BNA_M
ClientSampleId :
OU4-TS-17-080724

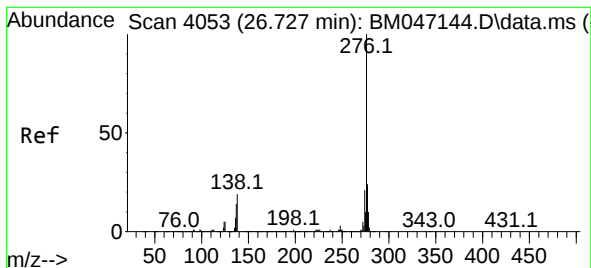
Tgt Ion:228 Resp: 482713
Ion Ratio Lower Upper
228 100
226 29.4 24.4 36.6
229 22.2 15.7 23.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.715 min Scan# 3541
Delta R.T. -0.012 min
Lab File: BM047195.D
Acq: 14 Aug 2024 17:31

Tgt Ion:264 Resp: 1306766
Ion Ratio Lower Upper
264 100
260 23.2 18.5 27.7
265 22.7 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.922 ng

RT: 26.697 min Scan# 4053

Delta R.T. -0.030 min

Lab File: BM047195.D

Acq: 14 Aug 2024 17:31

Instrument :

BNA_M

ClientSampleId :

OU4-TS-17-080724

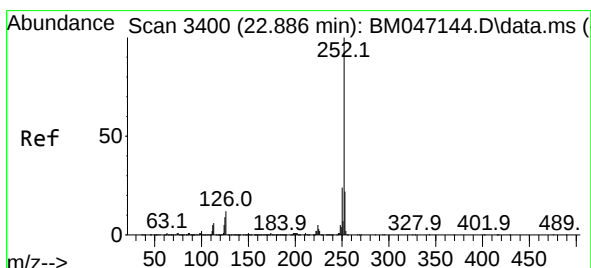
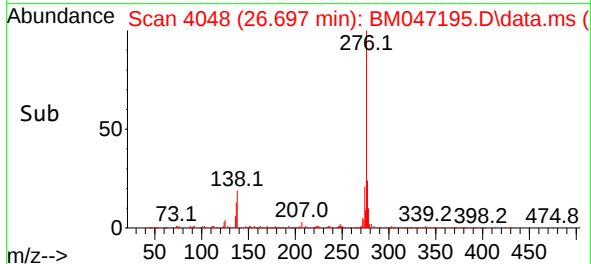
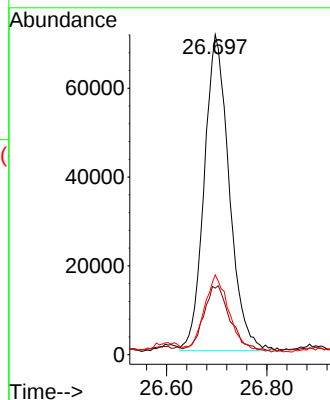
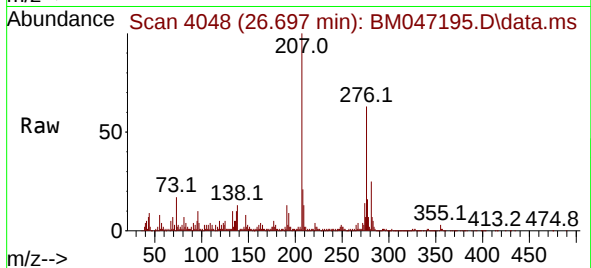
Tgt Ion:276 Resp: 246814

Ion Ratio Lower Upper

276 100

138 21.8 19.4 29.0

277 24.3 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 7.062 ng

RT: 22.874 min Scan# 3398

Delta R.T. -0.012 min

Lab File: BM047195.D

Acq: 14 Aug 2024 17:31

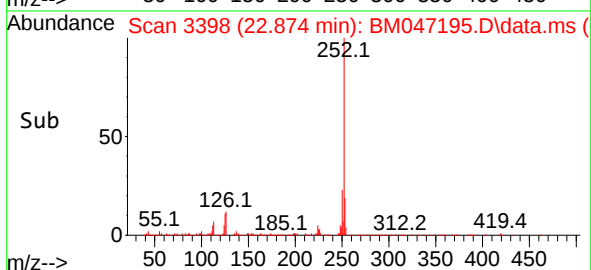
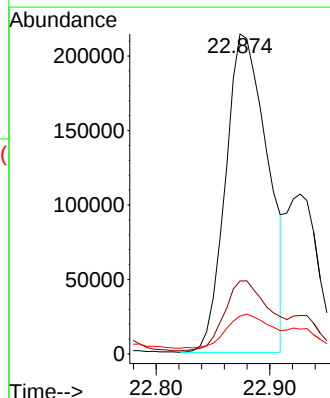
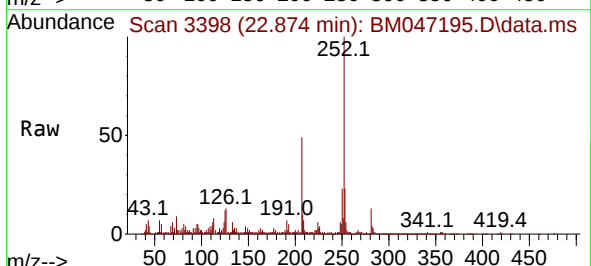
Tgt Ion:252 Resp: 548033

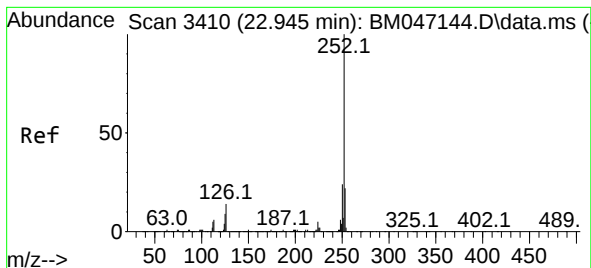
Ion Ratio Lower Upper

252 100

253 22.8 17.8 26.6

125 11.8 7.4 11.0#





#89

Benzo(k)fluoranthene

Concen: 7.477 ng

RT: 22.874 min Scan# 31

Delta R.T. -0.071 min

Lab File: BM047195.D

Acq: 14 Aug 2024 17:31

Instrument :

BNA_M

ClientSampleId :

OU4-TS-17-080724

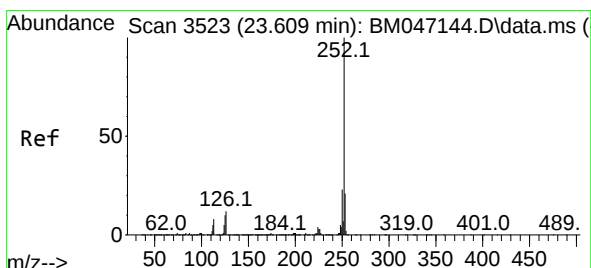
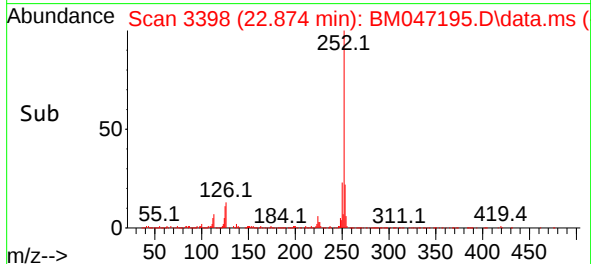
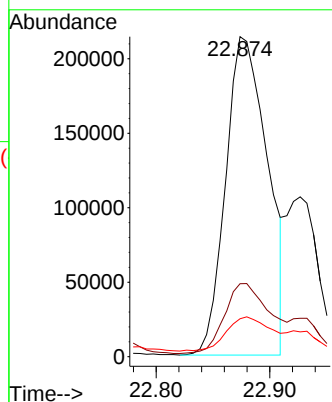
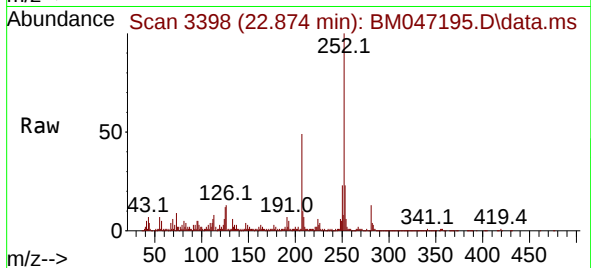
Tgt Ion:252 Resp: 548033

Ion Ratio Lower Upper

252 100

253 22.8 17.7 26.5

125 11.8 7.4 11.2#



#90

Benzo(a)pyrene

Concen: 6.042 ng

RT: 23.591 min Scan# 3520

Delta R.T. -0.018 min

Lab File: BM047195.D

Acq: 14 Aug 2024 17:31

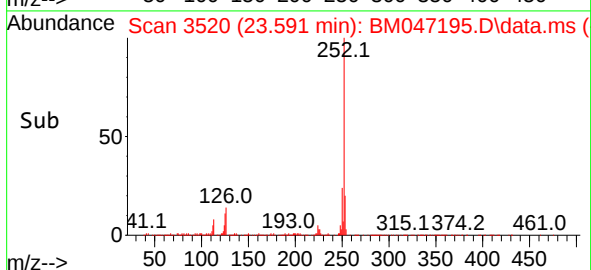
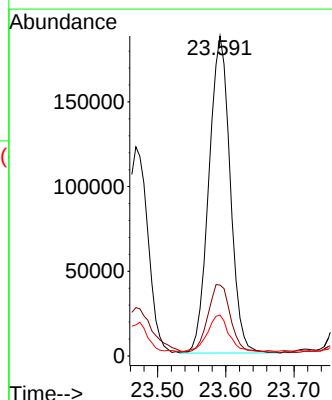
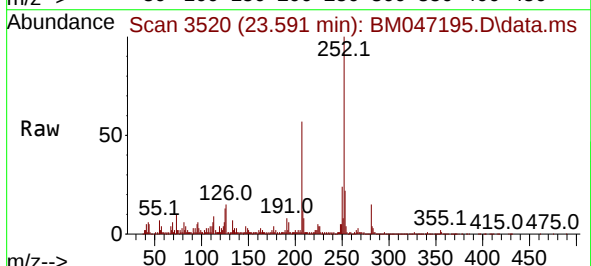
Tgt Ion:252 Resp: 406147

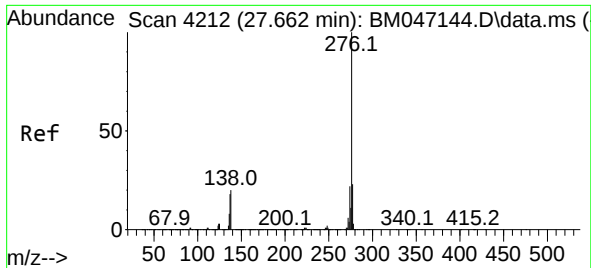
Ion Ratio Lower Upper

252 100

253 22.1 17.1 25.7

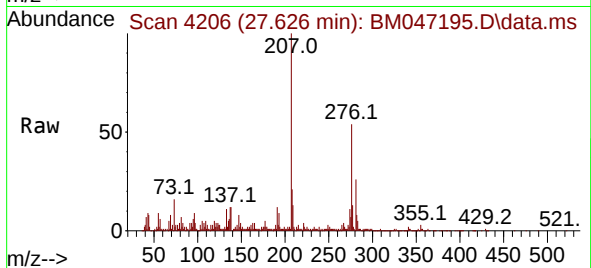
125 12.8 8.2 12.2#





#92
 Benzo(g,h,i)perylene
 Concen: 3.424 ng
 RT: 27.626 min Scan# 41
 Delta R.T. -0.035 min
 Lab File: BM047195.D
 Acq: 14 Aug 2024 17:31

Instrument :
 BNA_M
 ClientSampleId :
 OU4-TS-17-080724



Tgt Ion:276 Resp: 243024
 Ion Ratio Lower Upper
 276 100
 277 24.4 18.8 28.2
 138 22.5 16.2 24.4

