

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081524\
 Data File : BM047199.D
 Acq On : 14 Aug 2024 20:11
 Operator : RC/JU
 Sample : P3519-11
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 OU4-TS-21-080724

Quant Time: Aug 15 02:35:52 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)

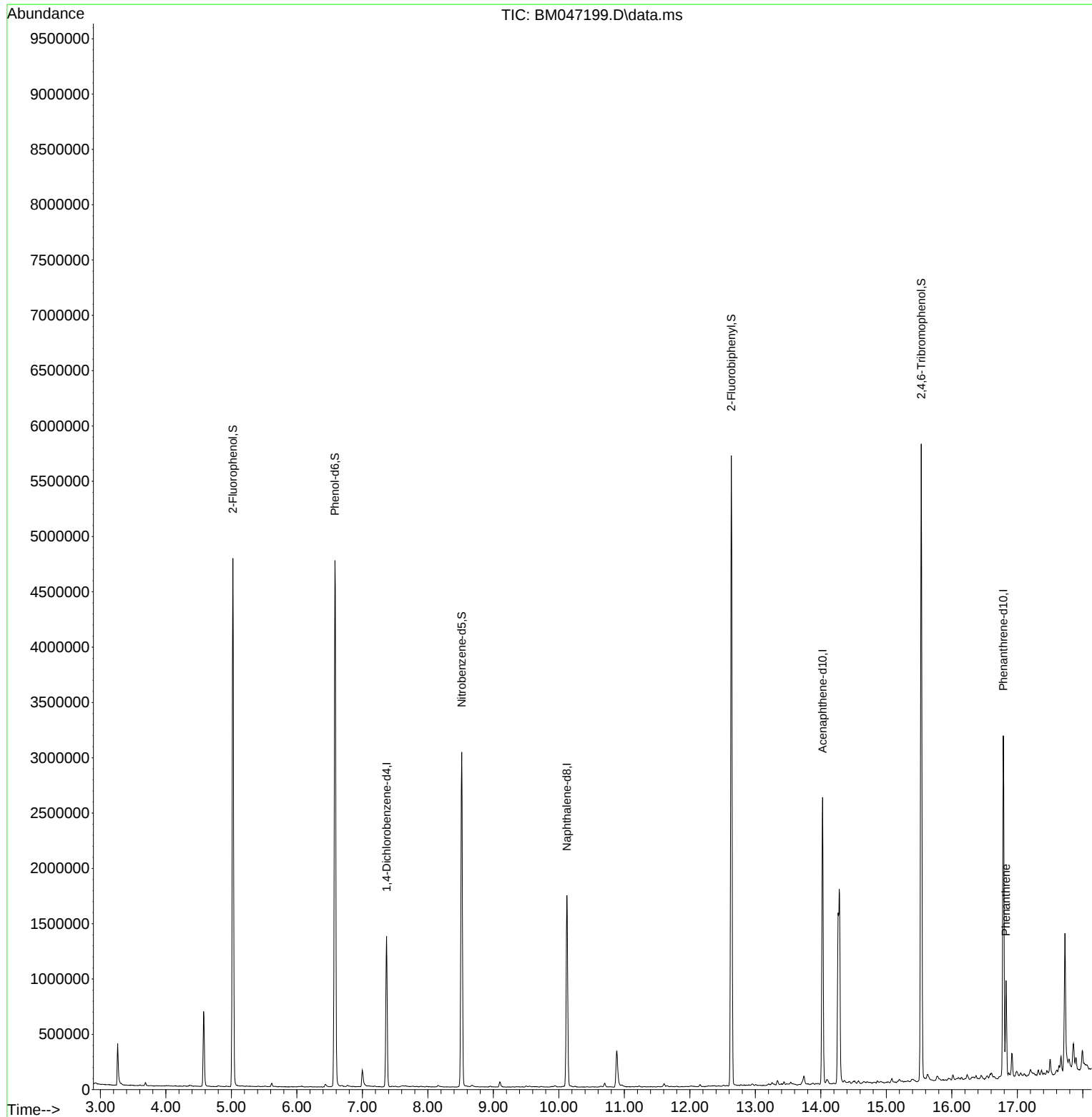
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.369	152	365065	20.000	ng	0.00
21) Naphthalene-d8	10.122	136	1394399	20.000	ng	-0.01
39) Acenaphthene-d10	14.027	164	876541	20.000	ng	0.00
64) Phenanthrene-d10	16.786	188	1774496	20.000	ng	0.00
76) Chrysene-d12	21.021	240	1176593	20.000	ng	-0.01
86) Perylene-d12	23.721	264	1172599	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.022	112	1968342	96.342	ng	0.00
7) Phenol-d6	6.581	99	2692515	95.643	ng	0.00
23) Nitrobenzene-d5	8.516	82	1752726	63.293	ng	0.00
42) 2,4,6-Tribromophenol	15.533	330	1011891	99.560	ng	0.00
45) 2-Fluorobiphenyl	12.633	172	2965981	52.195	ng	-0.01
79) Terphenyl-d14	19.456	244	3649182	66.457	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.540	77	869	Below Cal	#	71
71) Phenanthrene	16.827	178	481207	5.403	ng	100
75) Fluoranthene	18.862	202	1401757	12.941	ng	99
78) Pyrene	19.227	202	1169414	13.920	ng	99
81) Benzo(a)anthracene	21.003	228	482894	6.182	ng	98
83) Chrysene	21.062	228	573949	7.745	ng	97
87) Indeno(1,2,3-cd)pyrene	26.703	276	292372	3.857	ng	97
88) Benzo(b)fluoranthene	22.880	252	686060	9.852	ng	98
89) Benzo(k)fluoranthene	22.880	252	686060	10.430	ng	98
90) Benzo(a)pyrene	23.592	252	400722	6.643	ng	95
92) Benzo(g,h,i)perylene	27.632	276	283997	4.459	ng	98

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

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OU4-TS-21-080724

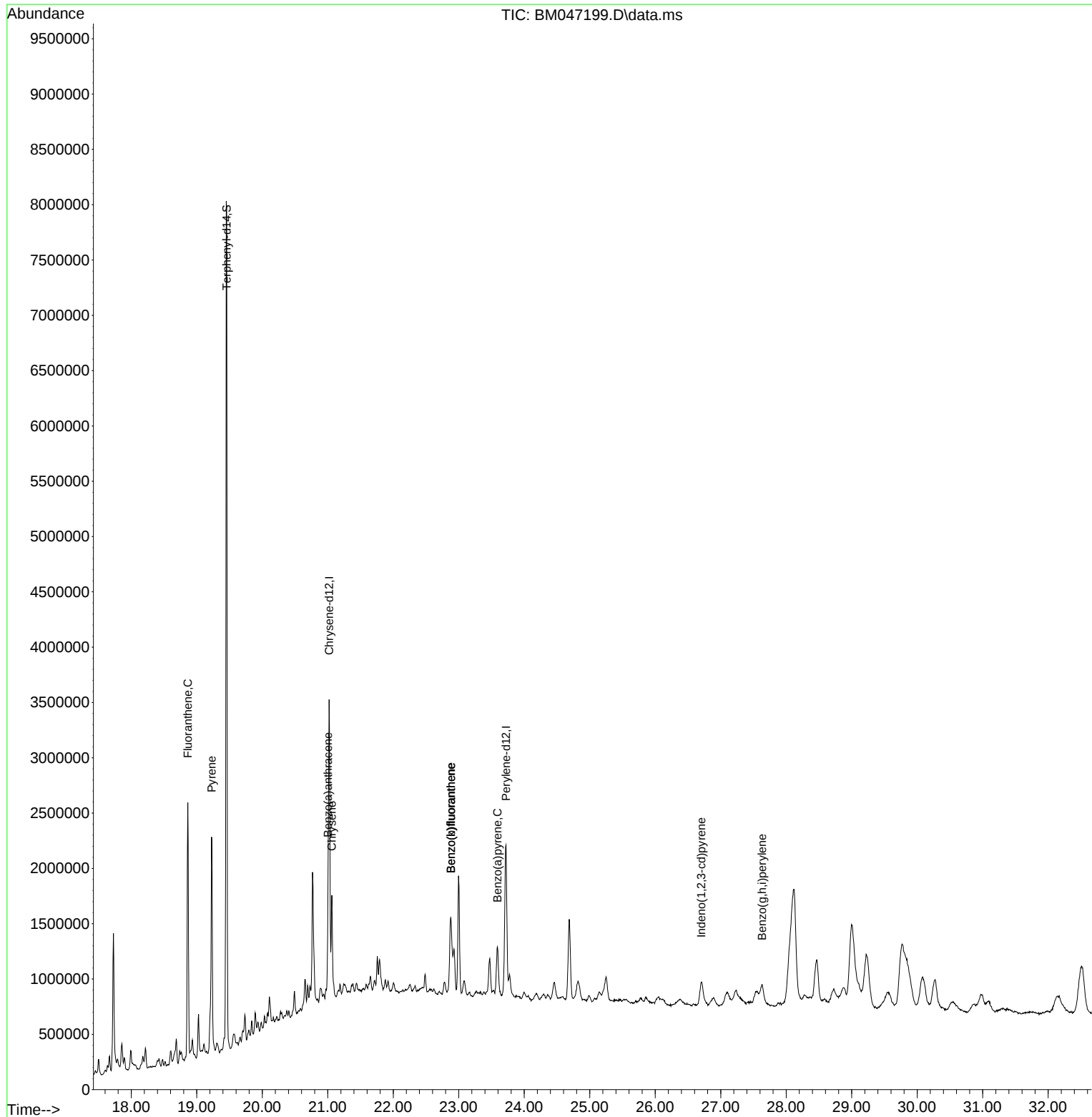
Quant Time: Aug 15 02:35:52 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration

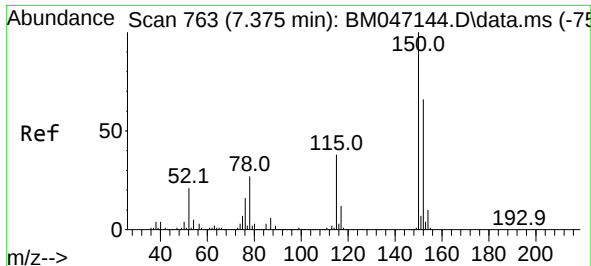


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081524\
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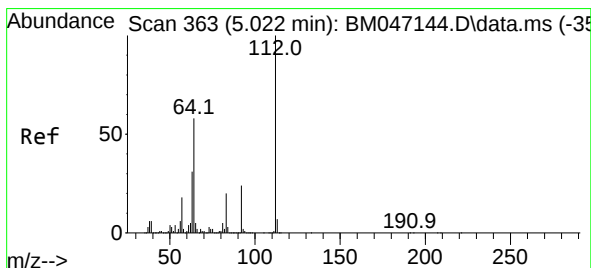
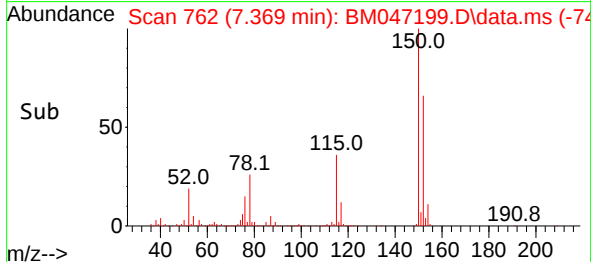
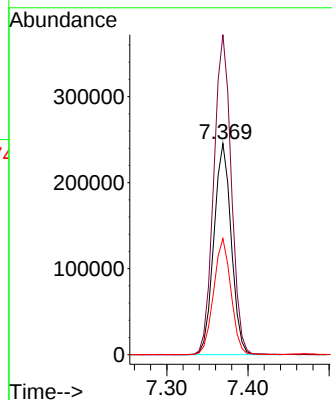
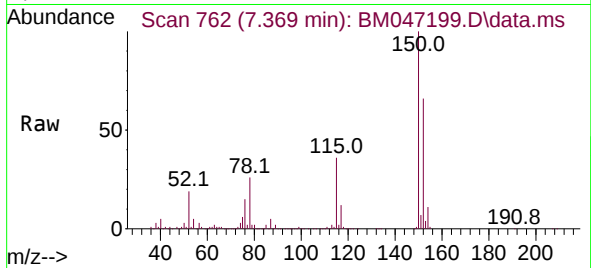




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.369 min Scan# 763
Delta R.T. -0.006 min
Lab File: BM047199.D
Acq: 14 Aug 2024 20:11

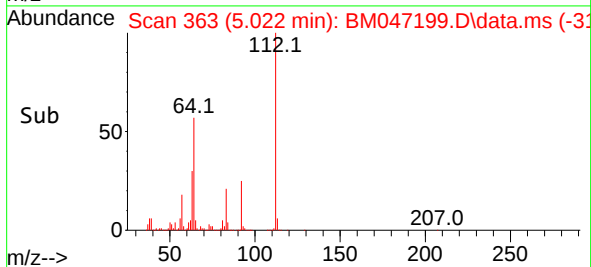
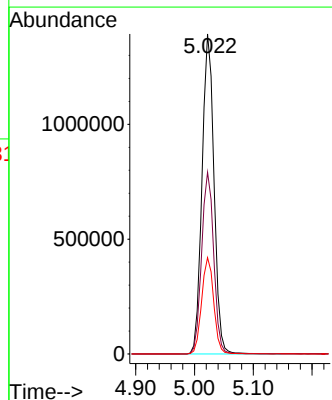
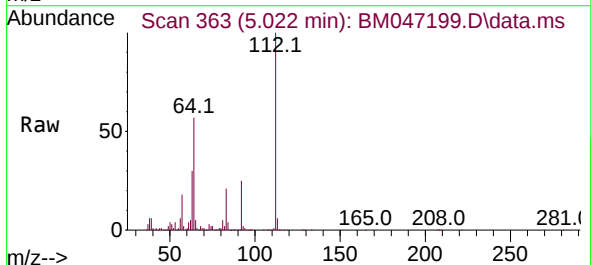
Instrument :
BNA_M
ClientSampleId :
OU4-TS-21-080724

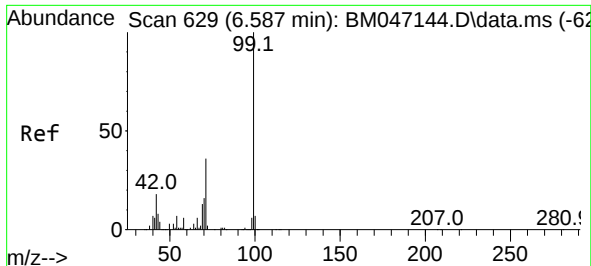
Tgt Ion:152 Resp: 365065
Ion Ratio Lower Upper
152 100
150 151.5 120.5 180.7
115 55.0 45.5 68.3



#5
2-Fluorophenol
Concen: 96.342 ng
RT: 5.022 min Scan# 363
Delta R.T. -0.000 min
Lab File: BM047199.D
Acq: 14 Aug 2024 20:11

Tgt Ion:112 Resp: 1968342
Ion Ratio Lower Upper
112 100
64 56.8 46.7 70.1
63 30.1 24.8 37.2

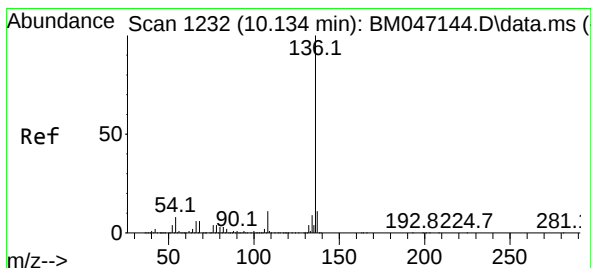
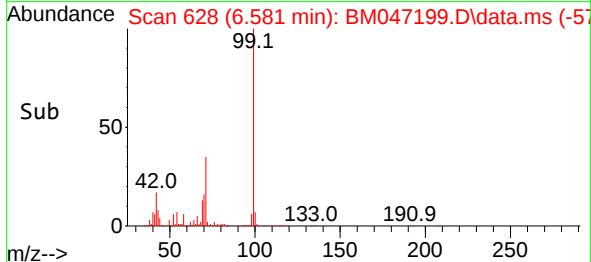
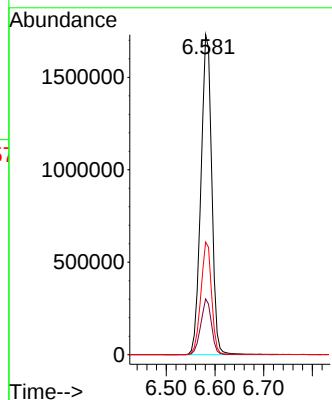
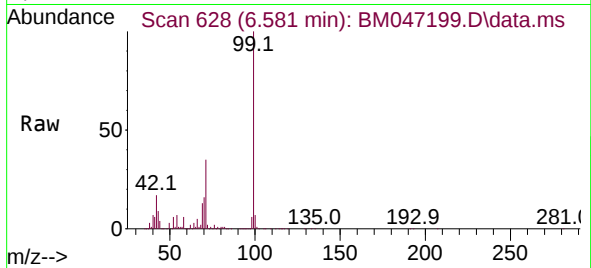




#7
Phenol-d6
Concen: 95.643 ng
RT: 6.581 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM047199.D
Acq: 14 Aug 2024 20:11

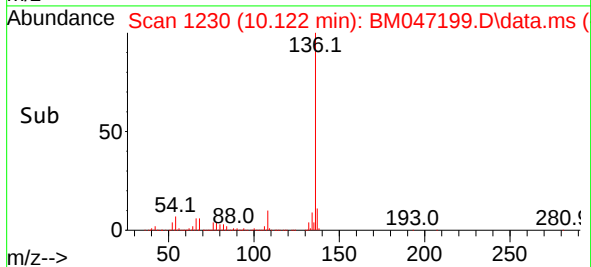
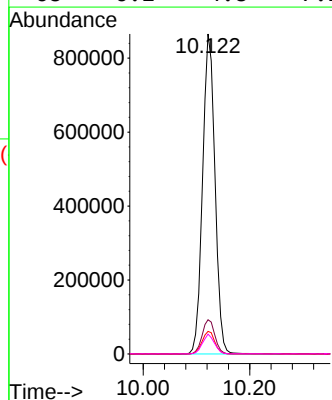
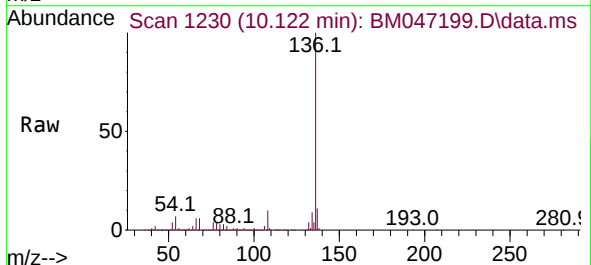
Instrument :
BNA_M
ClientSampleId :
OU4-TS-21-080724

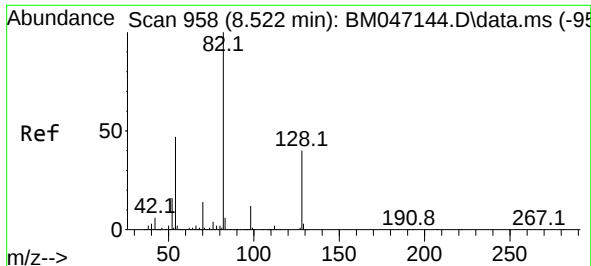
Tgt Ion: 99 Resp: 2692515
Ion Ratio Lower Upper
99 100
42 17.4 14.1 21.1
71 35.2 28.5 42.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.122 min Scan# 1230
Delta R.T. -0.012 min
Lab File: BM047199.D
Acq: 14 Aug 2024 20:11

Tgt Ion: 136 Resp: 1394399
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 7.1 6.0 9.0
68 6.2 4.8 7.2

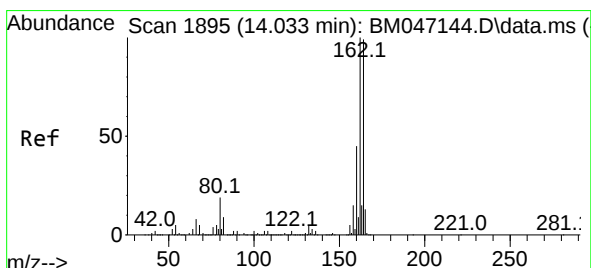
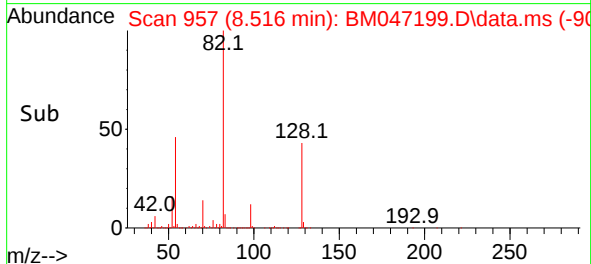
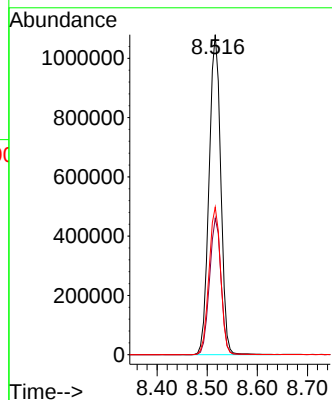
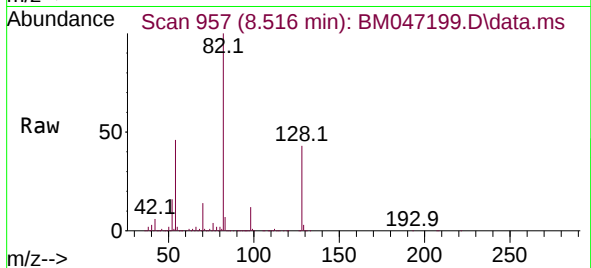




#23
Nitrobenzene-d5
Concen: 63.293 ng
RT: 8.516 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM047199.D
Acq: 14 Aug 2024 20:11

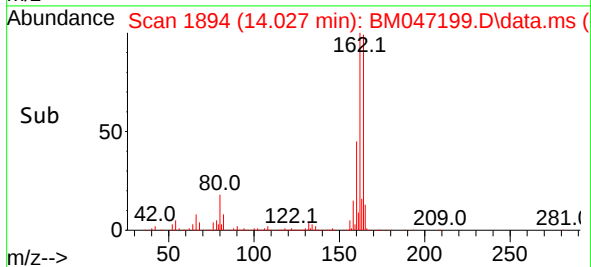
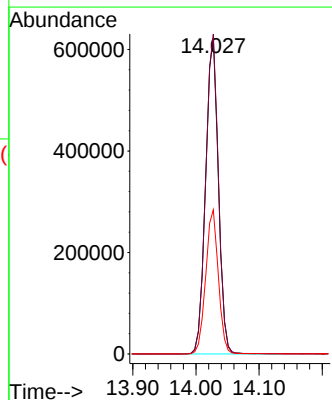
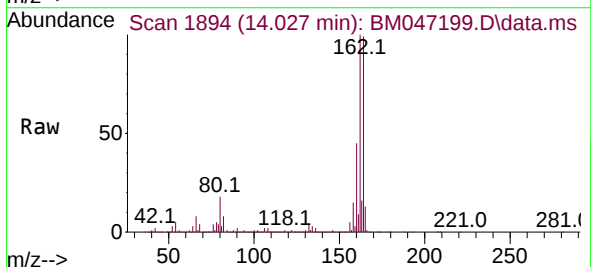
Instrument :
BNA_M
ClientSampleId :
OU4-TS-21-080724

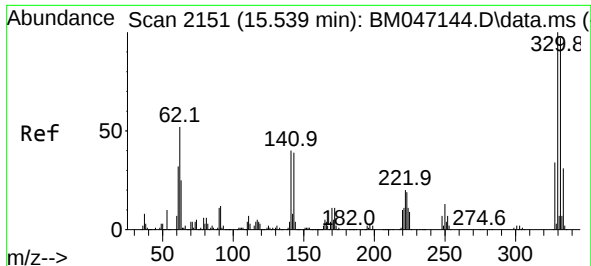
Tgt Ion: 82 Resp: 1752726
Ion Ratio Lower Upper
82 100
128 42.7 32.3 48.5
54 46.1 37.4 56.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.027 min Scan# 1894
Delta R.T. -0.006 min
Lab File: BM047199.D
Acq: 14 Aug 2024 20:11

Tgt Ion: 164 Resp: 876541
Ion Ratio Lower Upper
164 100
162 101.2 80.7 121.1
160 45.6 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 99.560 ng

RT: 15.533 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM047199.D

Acq: 14 Aug 2024 20:11

Instrument :

BNA_M

ClientSampleId :

OU4-TS-21-080724

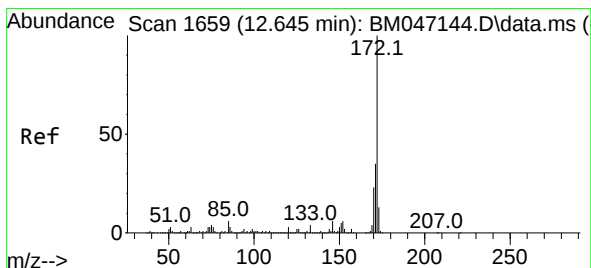
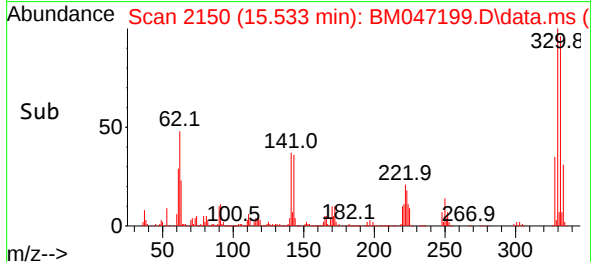
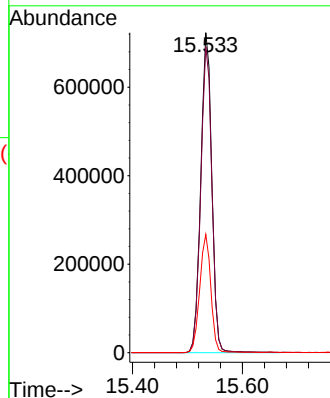
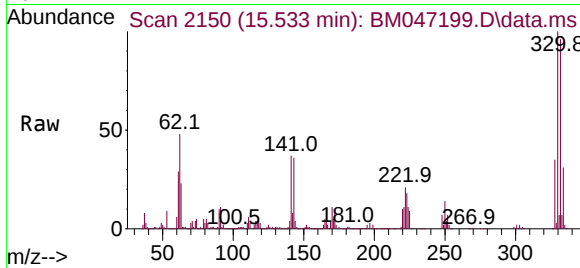
Tgt Ion:330 Resp: 1011891

Ion Ratio Lower Upper

330 100

332 96.4 77.4 116.2

141 37.0 31.6 47.4



#45

2-Fluorobiphenyl

Concen: 52.195 ng

RT: 12.633 min Scan# 1657

Delta R.T. -0.012 min

Lab File: BM047199.D

Acq: 14 Aug 2024 20:11

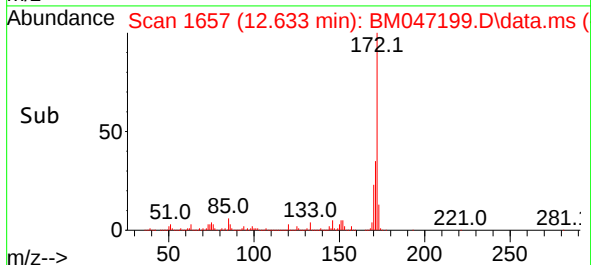
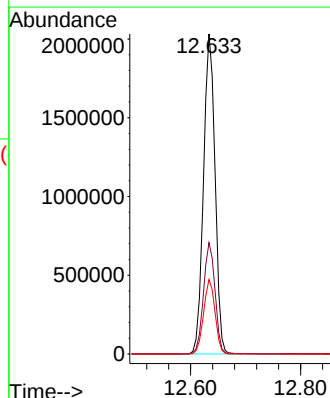
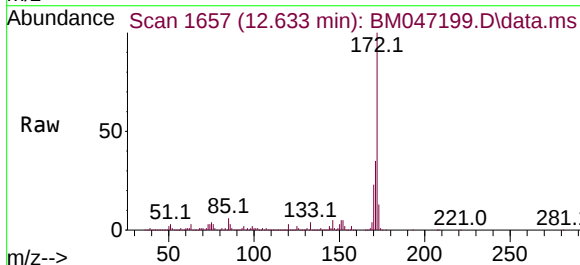
Tgt Ion:172 Resp: 2965981

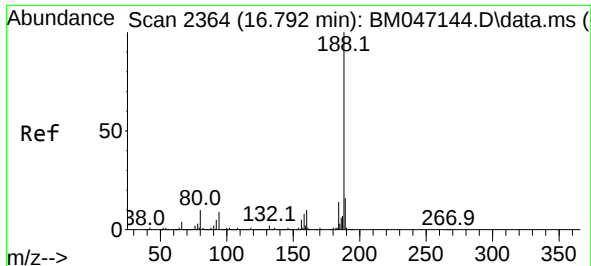
Ion Ratio Lower Upper

172 100

171 34.8 27.8 41.6

170 23.3 18.7 28.1

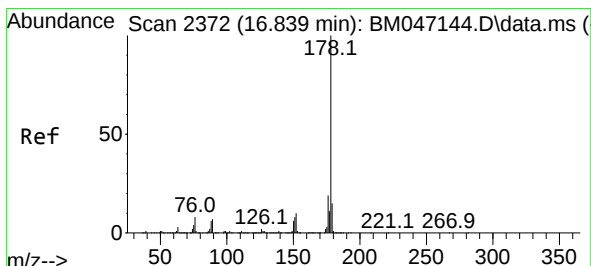
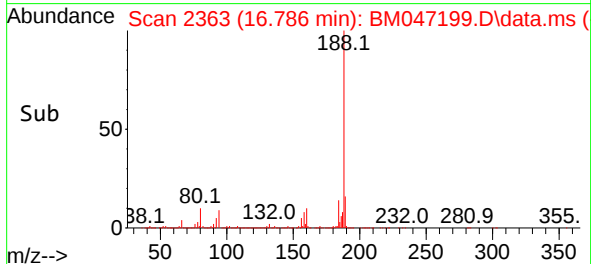
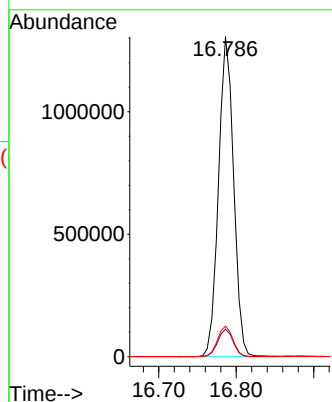
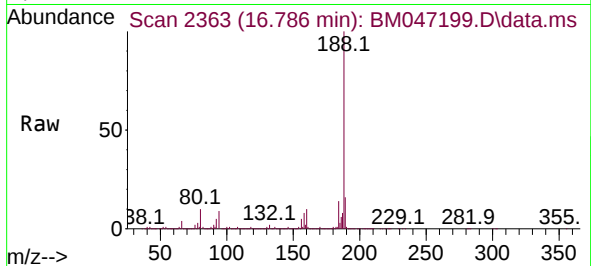




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.786 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM047199.D
Acq: 14 Aug 2024 20:11

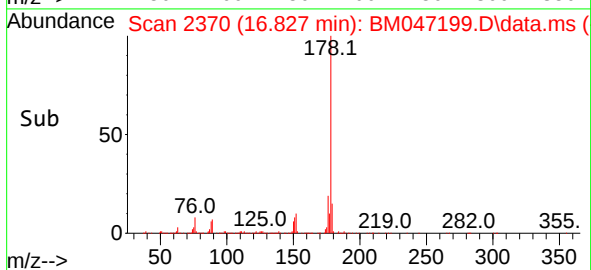
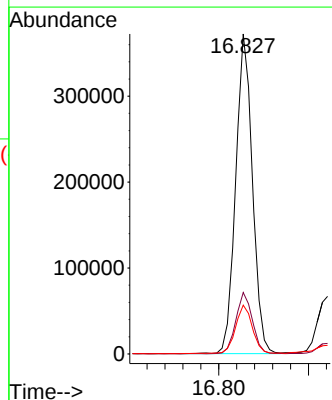
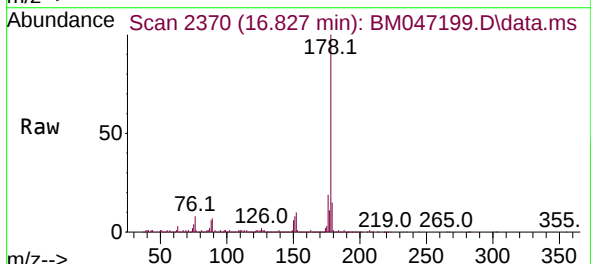
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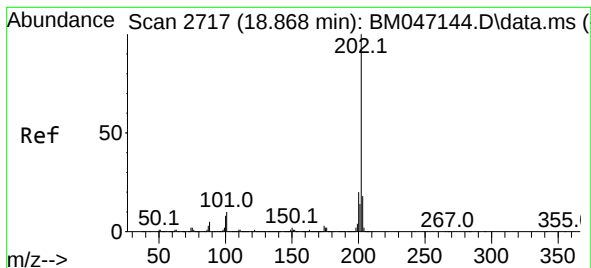
Tgt Ion:188 Resp: 1774496
Ion Ratio Lower Upper
188 100
94 8.6 7.0 10.6
80 9.6 8.0 12.0



#71
Phenanthrene
Concen: 5.403 ng
RT: 16.827 min Scan# 2370
Delta R.T. -0.012 min
Lab File: BM047199.D
Acq: 14 Aug 2024 20:11

Tgt Ion:178 Resp: 481207
Ion Ratio Lower Upper
178 100
176 19.2 15.3 22.9
179 15.3 12.4 18.6





#75

Fluoranthene

Concen: 12.941 ng

RT: 18.862 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM047199.D

Acq: 14 Aug 2024 20:11

Instrument :

BNA_M

ClientSampleId :

OU4-TS-21-080724

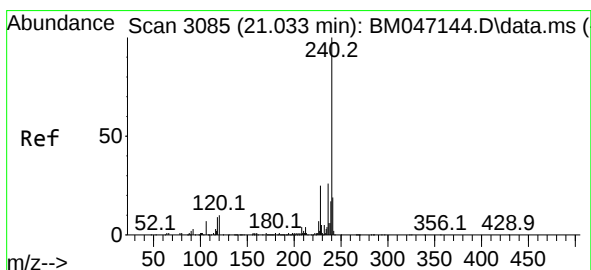
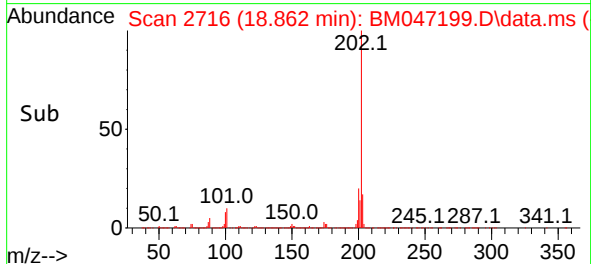
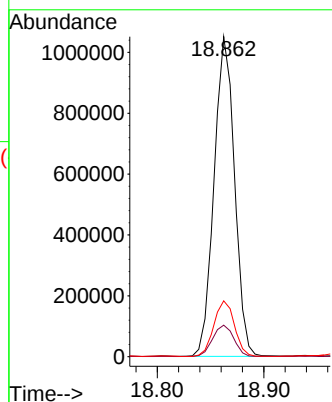
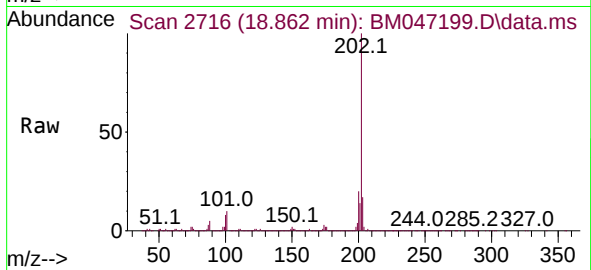
Tgt Ion:202 Resp: 1401757

Ion Ratio Lower Upper

202 100

101 9.8 0.0 30.2

203 17.5 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: BM047199.D

Acq: 14 Aug 2024 20:11

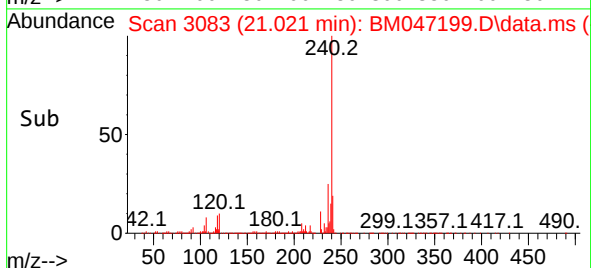
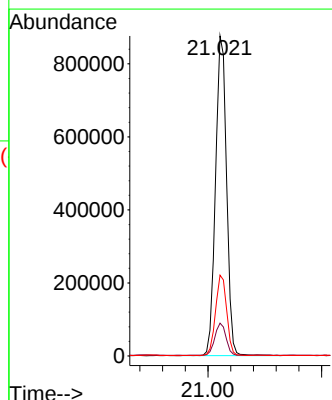
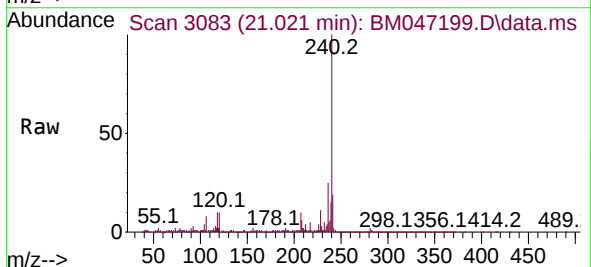
Tgt Ion:240 Resp: 1176593

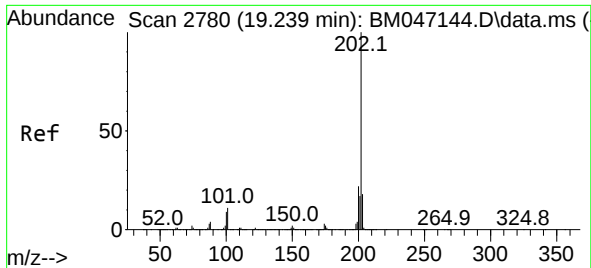
Ion Ratio Lower Upper

240 100

120 10.3 8.2 12.2

236 25.2 20.6 30.8

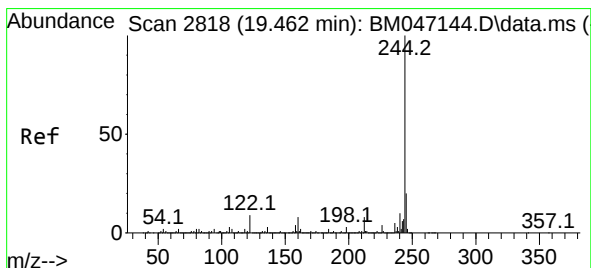
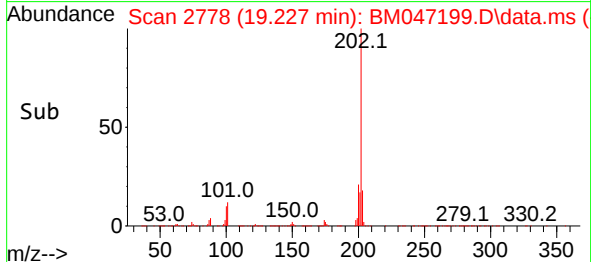
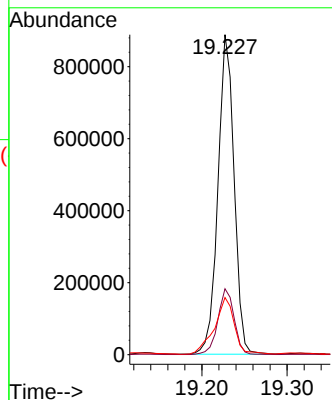
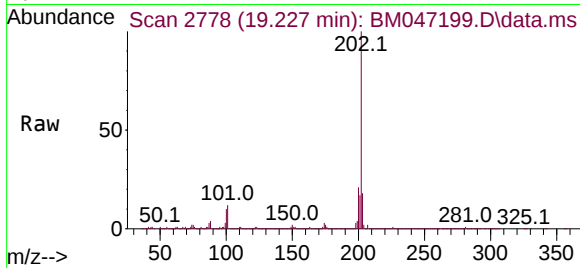




#78
 Pyrene
 Concen: 13.920 ng
 RT: 19.227 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BM047199.D
 Acq: 14 Aug 2024 20:11

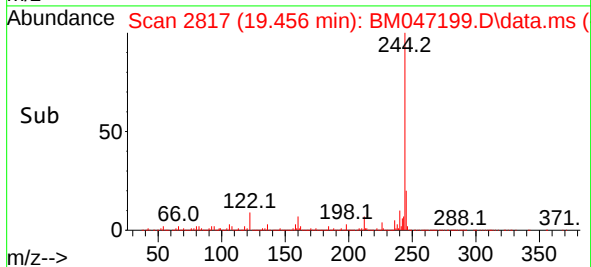
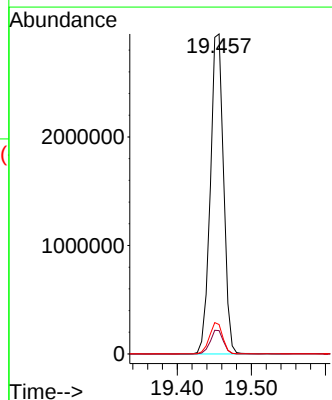
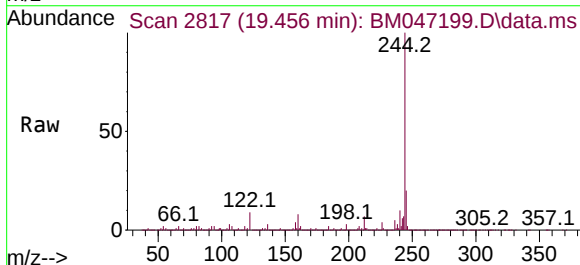
Instrument :
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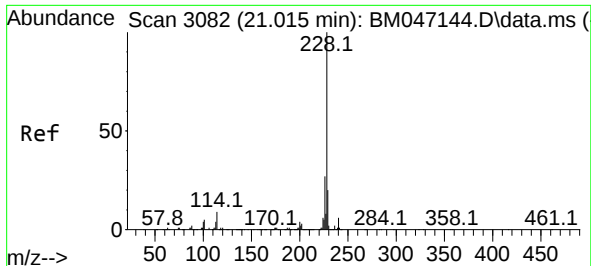
Tgt Ion:202 Resp: 1169414
 Ion Ratio Lower Upper
 202 100
 200 20.6 17.2 25.8
 203 17.9 14.2 21.2



#79
 Terphenyl-d14
 Concen: 66.457 ng
 RT: 19.456 min Scan# 2817
 Delta R.T. -0.006 min
 Lab File: BM047199.D
 Acq: 14 Aug 2024 20:11

Tgt Ion:244 Resp: 3649182
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.2 9.4
 122 9.2 7.1 10.7

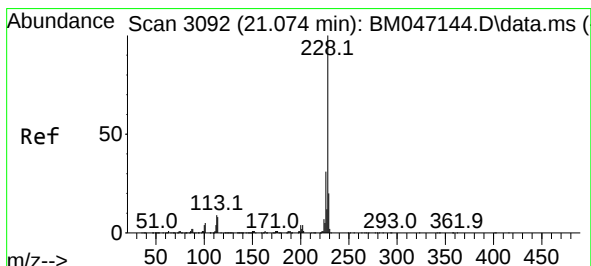
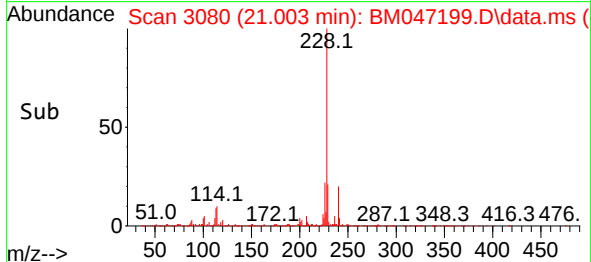
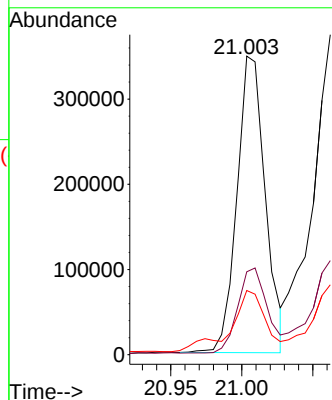
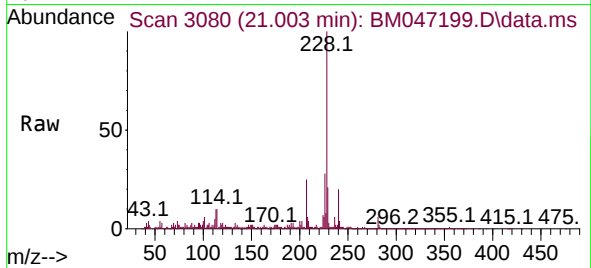




#81
Benzo(a)anthracene
Concen: 6.182 ng
RT: 21.003 min Scan# 3080
Delta R.T. -0.012 min
Lab File: BM047199.D
Acq: 14 Aug 2024 20:11

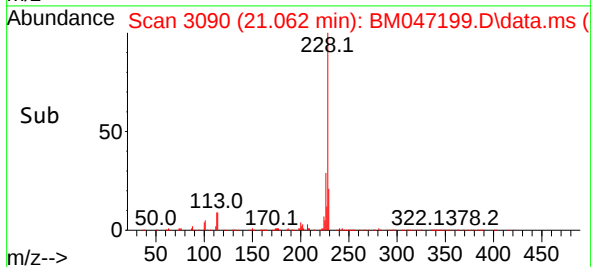
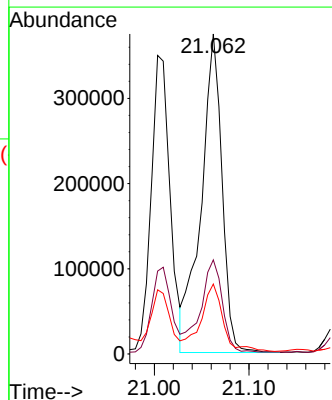
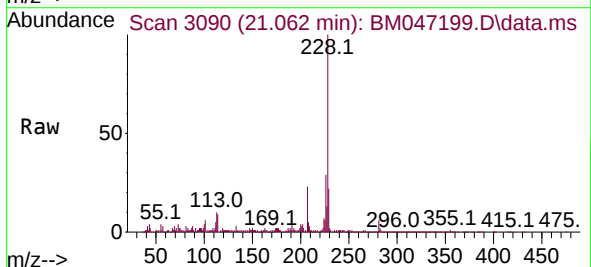
Instrument :
BNA_M
ClientSampleId :
OU4-TS-21-080724

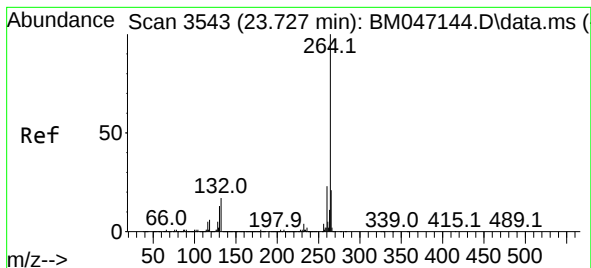
Tgt Ion:228 Resp: 482894
Ion Ratio Lower Upper
228 100
226 27.8 21.8 32.6
229 21.5 15.8 23.8



#83
Chrysene
Concen: 7.745 ng
RT: 21.062 min Scan# 3090
Delta R.T. -0.012 min
Lab File: BM047199.D
Acq: 14 Aug 2024 20:11

Tgt Ion:228 Resp: 573949
Ion Ratio Lower Upper
228 100
226 29.4 24.4 36.6
229 21.9 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: BM047199.D

Acq: 14 Aug 2024 20:11

Instrument :

BNA_M

ClientSampleId :

OU4-TS-21-080724

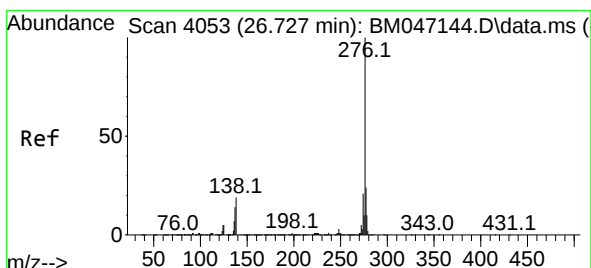
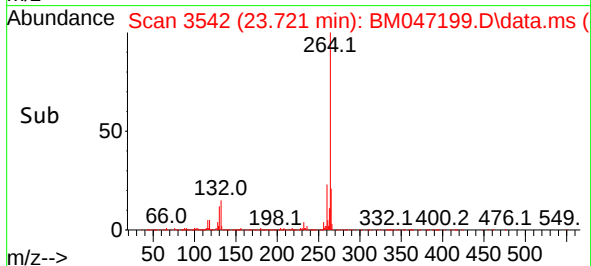
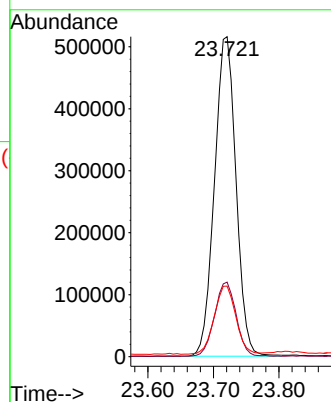
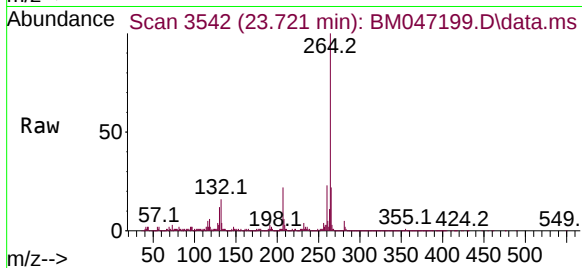
Tgt Ion:264 Resp: 1172599

Ion Ratio Lower Upper

264 100

260 23.3 18.5 27.7

265 22.1 17.3 25.9



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.857 ng

RT: 26.703 min Scan# 4049

Delta R.T. -0.024 min

Lab File: BM047199.D

Acq: 14 Aug 2024 20:11

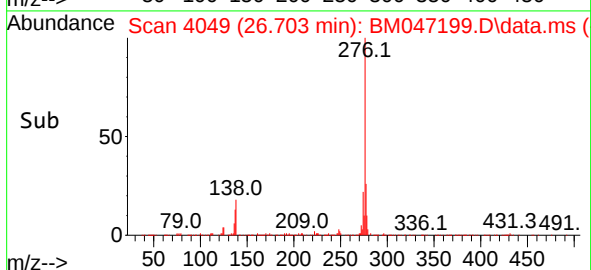
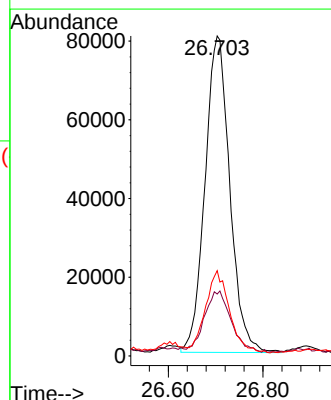
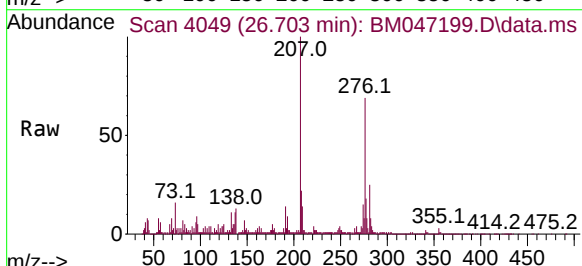
Tgt Ion:276 Resp: 292372

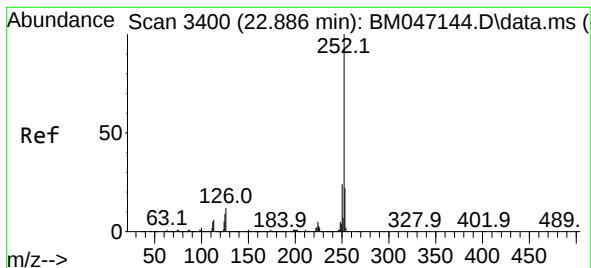
Ion Ratio Lower Upper

276 100

138 20.7 19.4 29.0

277 25.1 20.1 30.1





#88

Benzo(b)fluoranthene

Concen: 9.852 ng

RT: 22.880 min Scan# 3399

Delta R.T. -0.006 min

Lab File: BM047199.D

Acq: 14 Aug 2024 20:11

Instrument :

BNA_M

ClientSampleId :

OU4-TS-21-080724

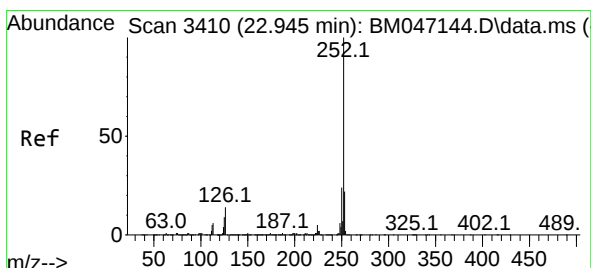
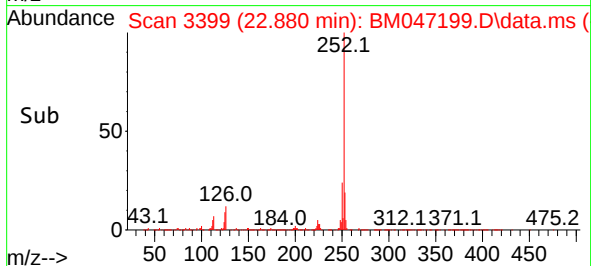
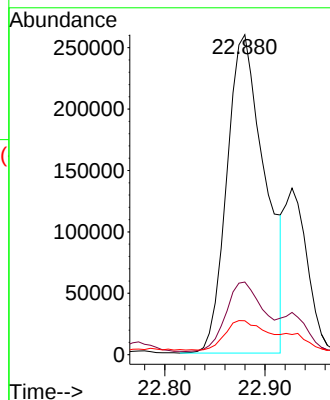
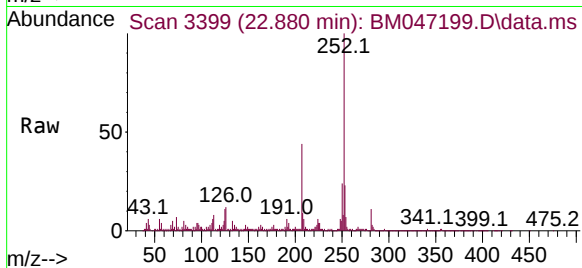
Tgt Ion:252 Resp: 686060

Ion Ratio Lower Upper

252 100

253 22.7 17.8 26.6

125 10.6 7.4 11.0



#89

Benzo(k)fluoranthene

Concen: 10.430 ng

RT: 22.880 min Scan# 3399

Delta R.T. -0.065 min

Lab File: BM047199.D

Acq: 14 Aug 2024 20:11

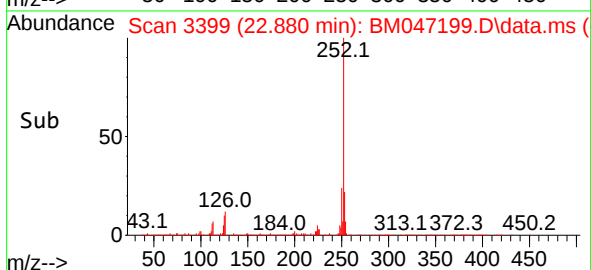
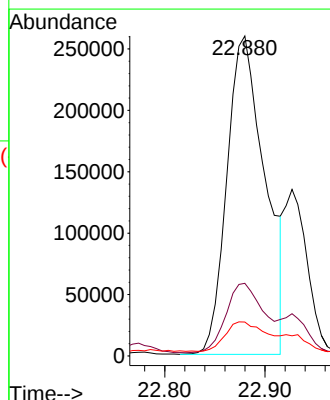
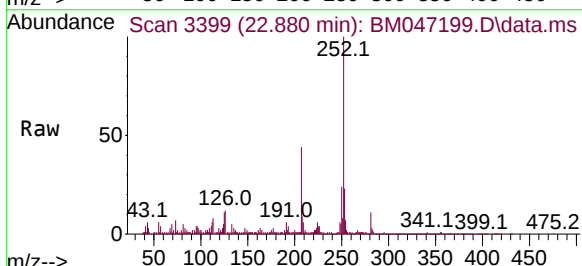
Tgt Ion:252 Resp: 686060

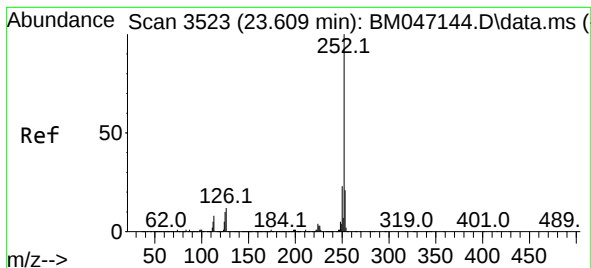
Ion Ratio Lower Upper

252 100

253 22.7 17.7 26.5

125 10.6 7.4 11.2





#90

Benzo(a)pyrene

Concen: 6.643 ng

RT: 23.592 min Scan# 3

Delta R.T. -0.018 min

Lab File: BM047199.D

Acq: 14 Aug 2024 20:11

Instrument :

BNA_M

ClientSampleId :

OU4-TS-21-080724

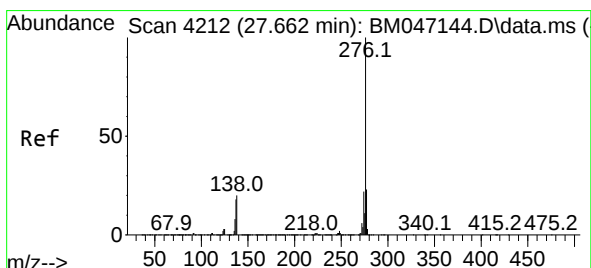
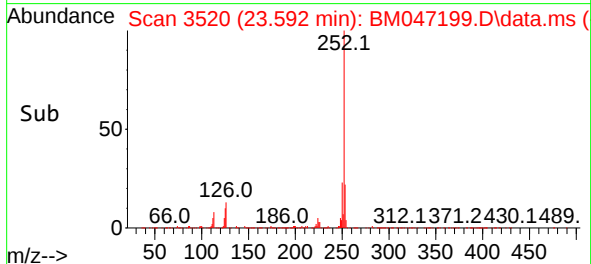
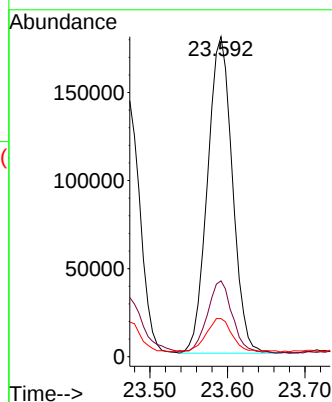
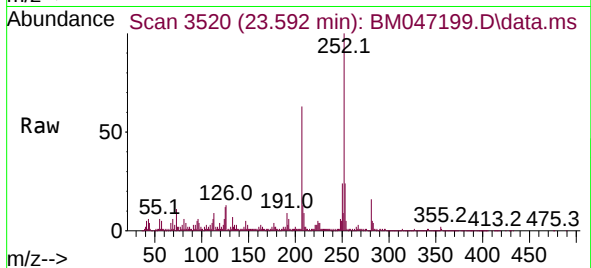
Tgt Ion:252 Resp: 400722

Ion Ratio Lower Upper

252 100

253 23.7 17.1 25.7

125 11.9 8.2 12.2



#92

Benzo(g,h,i)perylene

Concen: 4.459 ng

RT: 27.632 min Scan# 4207

Delta R.T. -0.029 min

Lab File: BM047199.D

Acq: 14 Aug 2024 20:11

Tgt Ion:276 Resp: 283997

Ion Ratio Lower Upper

276 100

277 24.2 18.8 28.2

138 21.3 16.2 24.4

