

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082324\
 Data File : BM047331.D
 Acq On : 23 Aug 2024 13:29
 Operator : RC/JU
 Sample : P3518-21RE
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 OU4-TS-11-080724RE

Quant Time: Aug 23 14:26:08 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)

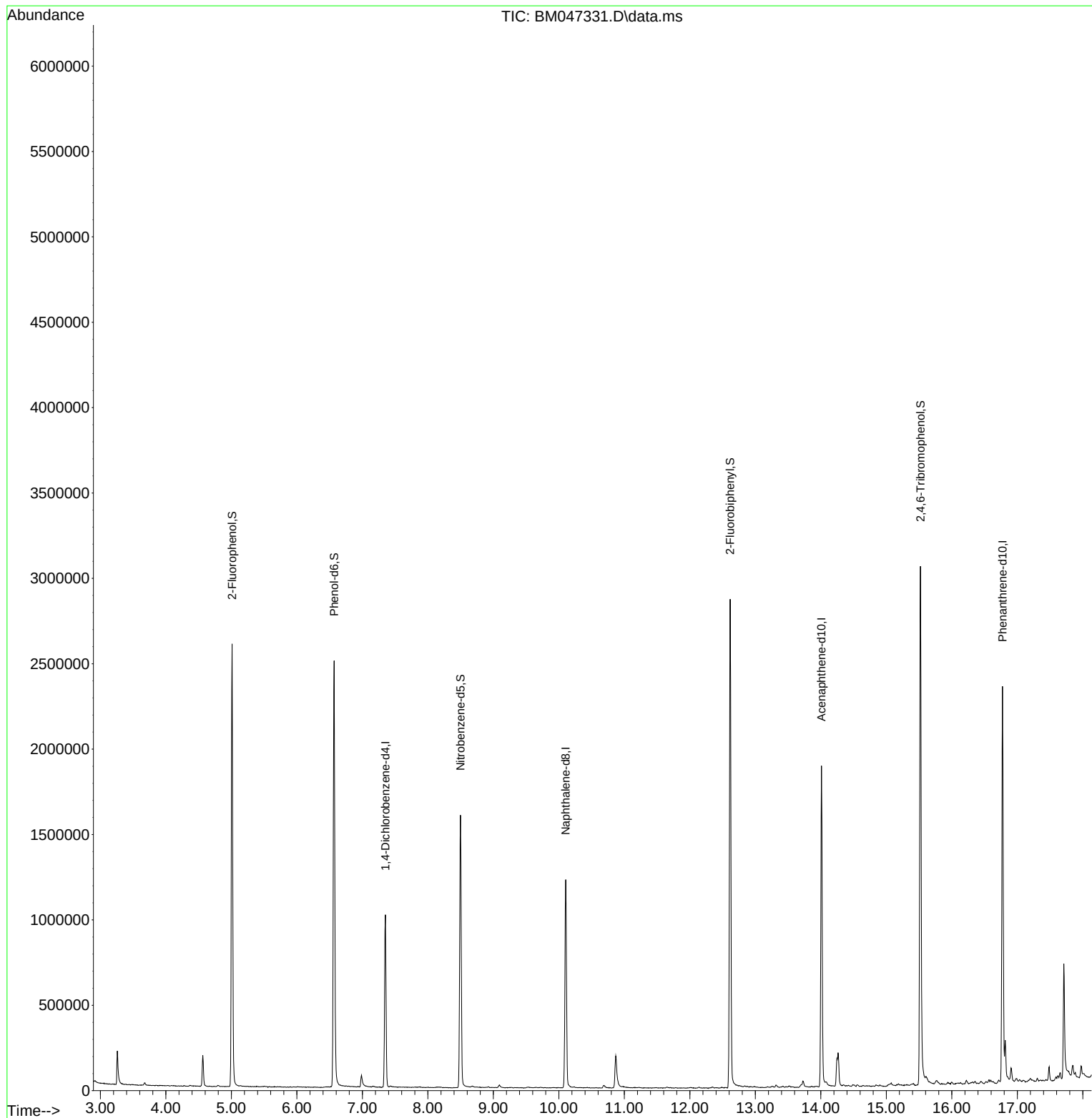
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.351	152	277753	20.000	ng	-0.02
21) Naphthalene-d8	10.104	136	1028963	20.000	ng	-0.03
39) Acenaphthene-d10	14.010	164	685603	20.000	ng	-0.02
64) Phenanthrene-d10	16.774	188	1451576	20.000	ng	-0.02
76) Chrysene-d12	21.015	240	1307088	20.000	ng	-0.02
86) Perylene-d12	23.703	264	1239770	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.010	112	1130035	72.697	ng	-0.01
7) Phenol-d6	6.569	99	1499381	70.003	ng	-0.02
23) Nitrobenzene-d5	8.498	82	961128	47.034	ng	-0.02
42) 2,4,6-Tribromophenol	15.521	330	623704	78.457	ng	-0.02
45) 2-Fluorobiphenyl	12.616	172	1619025	36.426	ng	-0.03
79) Terphenyl-d14	19.439	244	2477405	40.613	ng	-0.02
Target Compounds						
						Qvalue
75) Fluoranthene	18.851	202	459631	5.187	ng	99
78) Pyrene	19.221	202	405043	4.340	ng	99
81) Benzo(a)anthracene	20.998	228	200997	2.316	ng	97
83) Chrysene	21.051	228	214040	2.600	ng	98
88) Benzo(b)fluoranthene	22.862	252	244425	3.320	ng	# 95
90) Benzo(a)pyrene	23.580	252	149517	2.344	ng	97

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

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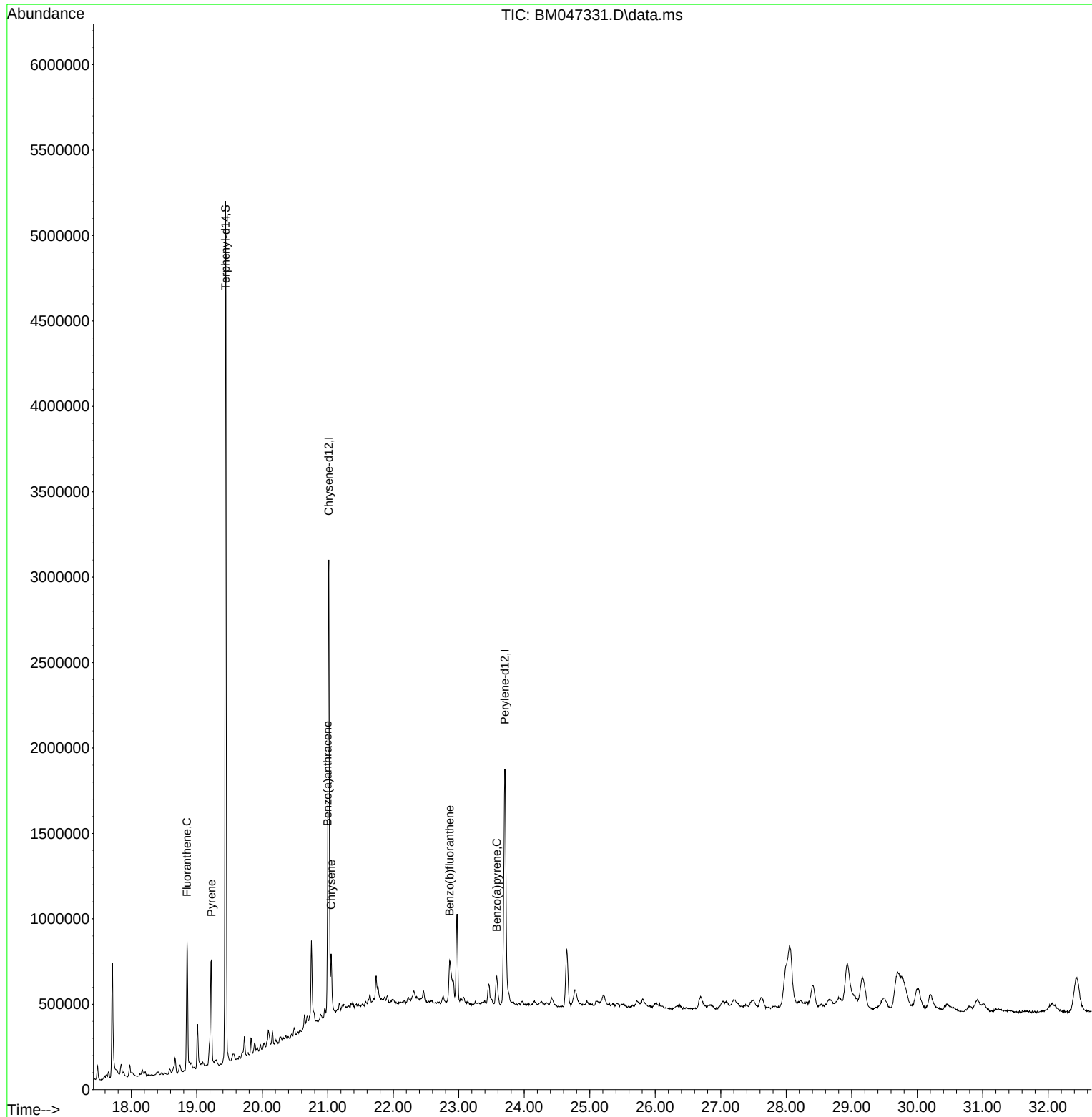
Quant Time: Aug 23 14:26:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration

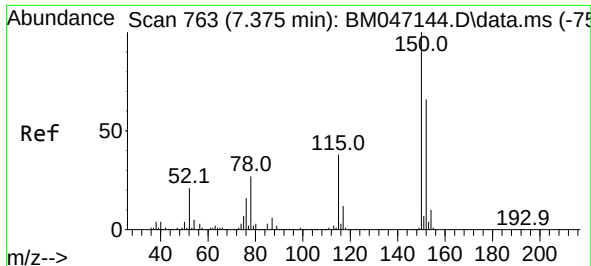


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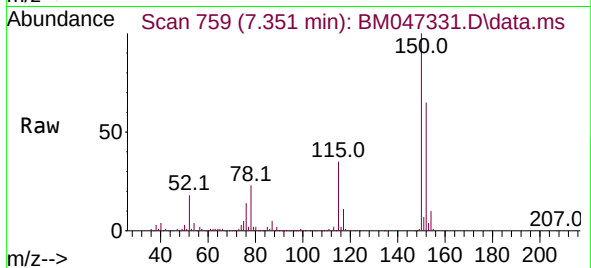
Quant Time: Aug 23 14:26:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
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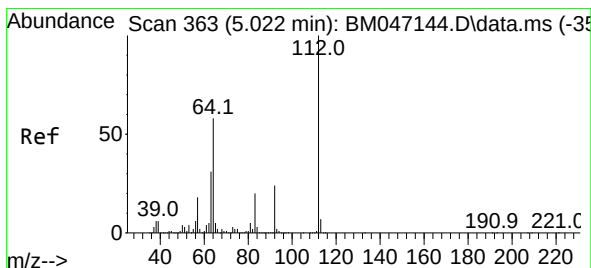
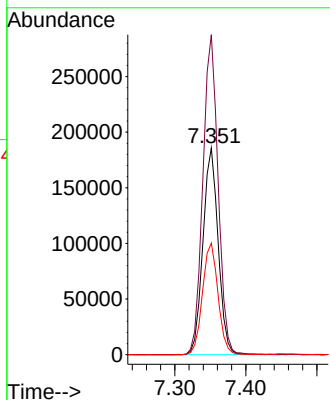
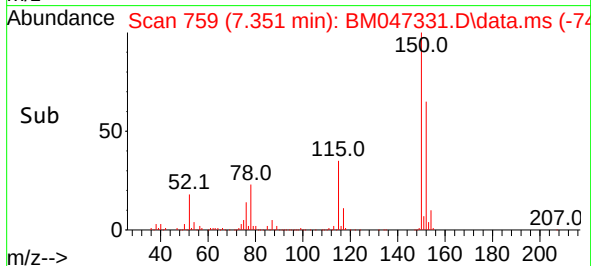


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.351 min Scan# 71
Delta R.T. -0.024 min
Lab File: BM047331.D
Acq: 23 Aug 2024 13:29

Instrument :
BNA_M
ClientSampleId :
OU4-TS-11-080724RE

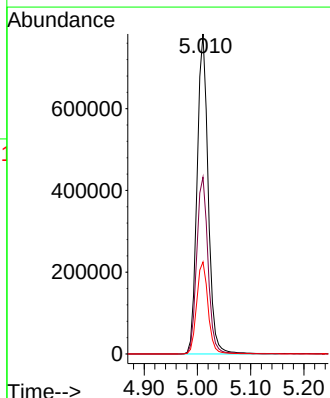
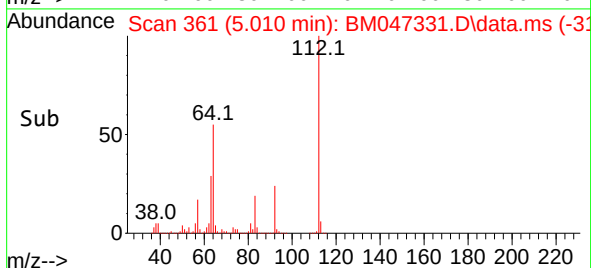
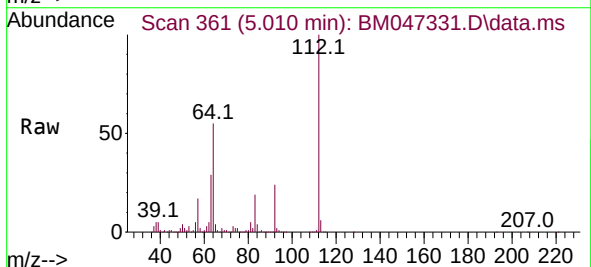


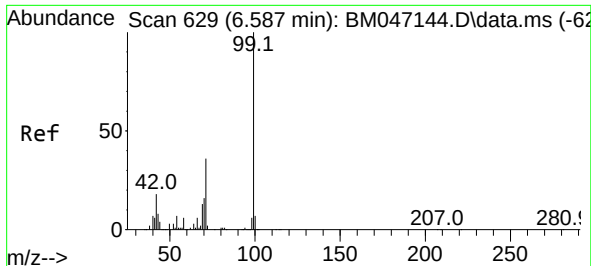
Tgt Ion:152 Resp: 277753
Ion Ratio Lower Upper
152 100
150 154.8 120.5 180.7
115 53.9 45.5 68.3



#5
2-Fluorophenol
Concen: 72.697 ng
RT: 5.010 min Scan# 361
Delta R.T. -0.012 min
Lab File: BM047331.D
Acq: 23 Aug 2024 13:29

Tgt Ion:112 Resp: 1130035
Ion Ratio Lower Upper
112 100
64 55.3 46.7 70.1
63 28.7 24.8 37.2

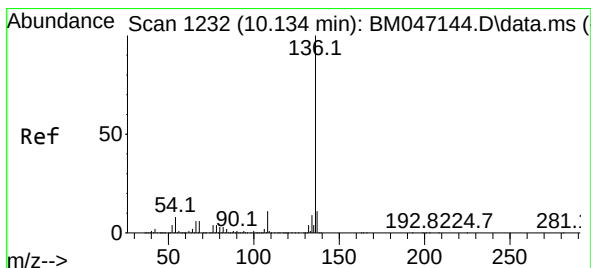
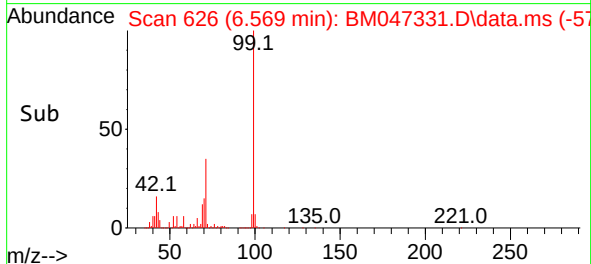
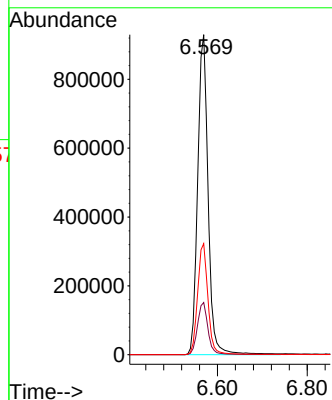
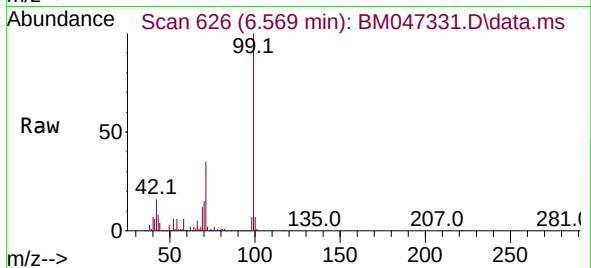




#7
Phenol-d6
Concen: 70.003 ng
RT: 6.569 min Scan# 61
Delta R.T. -0.018 min
Lab File: BM047331.D
Acq: 23 Aug 2024 13:29

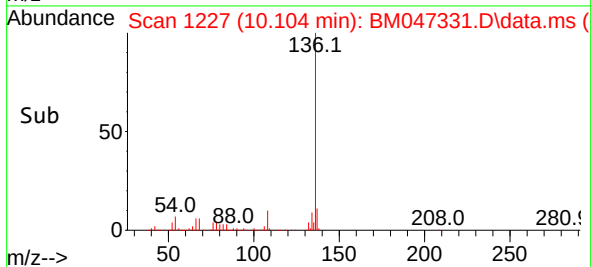
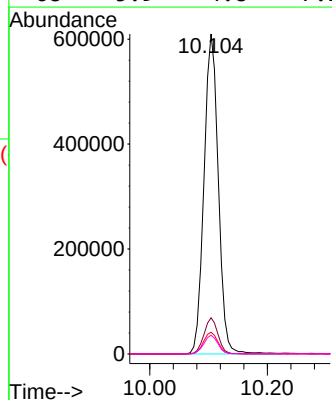
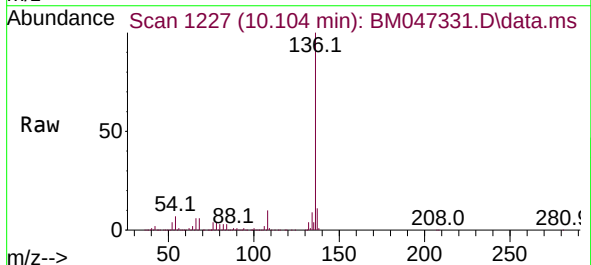
Instrument :
BNA_M
ClientSampleId :
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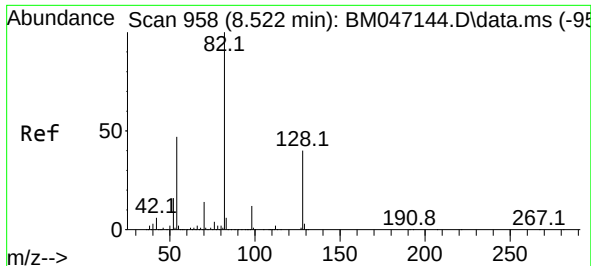
Tgt Ion: 99 Resp: 1499381
Ion Ratio Lower Upper
99 100
42 16.3 14.1 21.1
71 34.7 28.5 42.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.104 min Scan# 1227
Delta R.T. -0.030 min
Lab File: BM047331.D
Acq: 23 Aug 2024 13:29

Tgt Ion: 136 Resp: 1028963
Ion Ratio Lower Upper
136 100
137 11.3 8.8 13.2
54 6.8 6.0 9.0
68 5.9 4.8 7.2

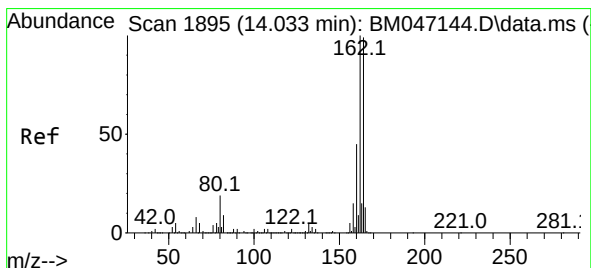
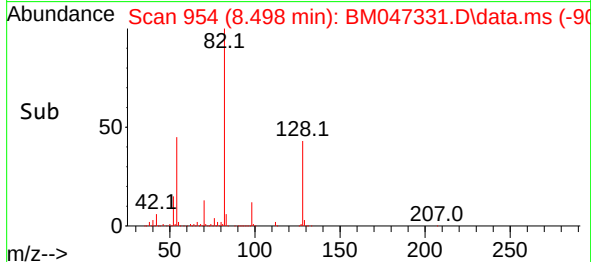
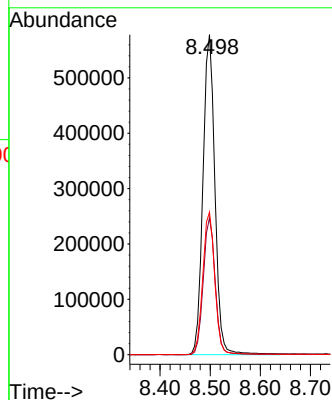
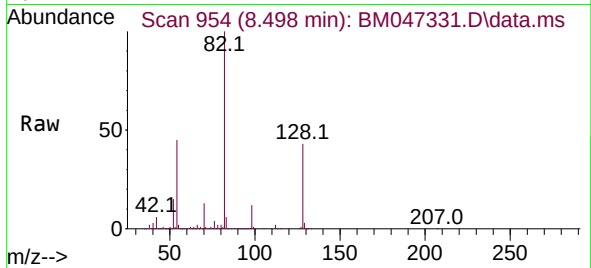




#23
Nitrobenzene-d5
Concen: 47.034 ng
RT: 8.498 min Scan# 91
Delta R.T. -0.024 min
Lab File: BM047331.D
Acq: 23 Aug 2024 13:29

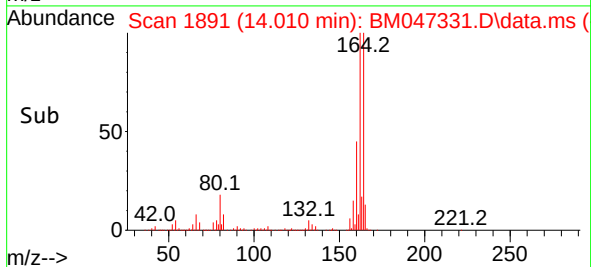
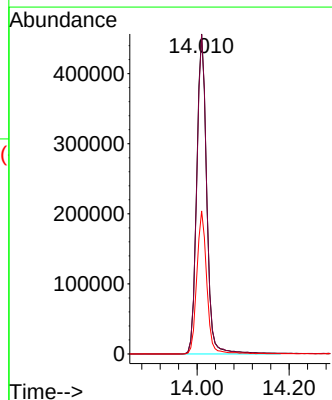
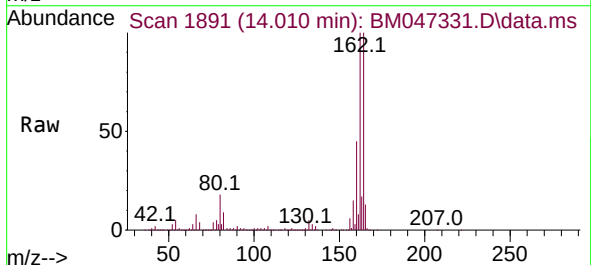
Instrument :
BNA_M
ClientSampleId :
OU4-TS-11-080724RE

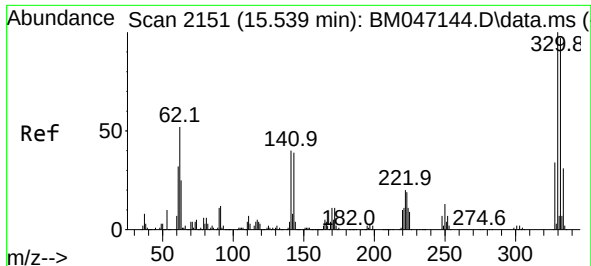
Tgt Ion: 82 Resp: 961128
Ion Ratio Lower Upper
82 100
128 42.8 32.3 48.5
54 44.6 37.4 56.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.010 min Scan# 1891
Delta R.T. -0.024 min
Lab File: BM047331.D
Acq: 23 Aug 2024 13:29

Tgt Ion:164 Resp: 685603
Ion Ratio Lower Upper
164 100
162 99.8 80.7 121.1
160 44.7 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 78.457 ng

RT: 15.521 min Scan# 21

Delta R.T. -0.018 min

Lab File: BM047331.D

Acq: 23 Aug 2024 13:29

Instrument :

BNA_M

ClientSampleId :

OU4-TS-11-080724RE

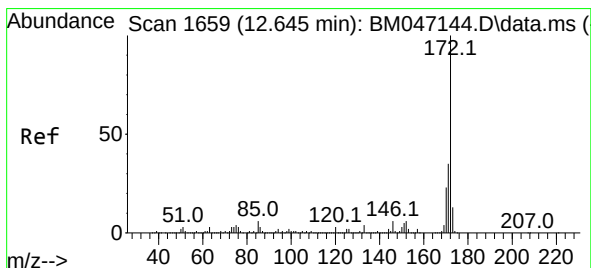
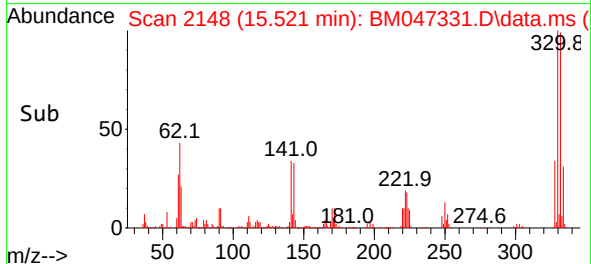
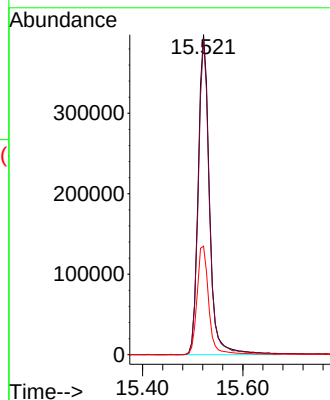
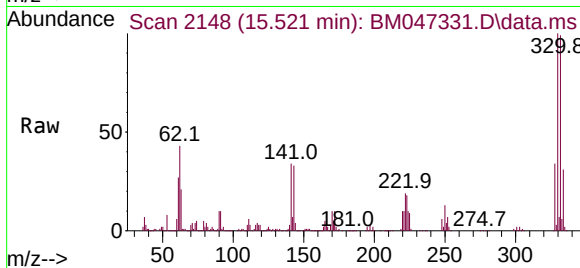
Tgt Ion:330 Resp: 623704

Ion Ratio Lower Upper

330 100

332 96.9 77.4 116.2

141 35.2 31.6 47.4



#45

2-Fluorobiphenyl

Concen: 36.426 ng

RT: 12.616 min Scan# 1654

Delta R.T. -0.029 min

Lab File: BM047331.D

Acq: 23 Aug 2024 13:29

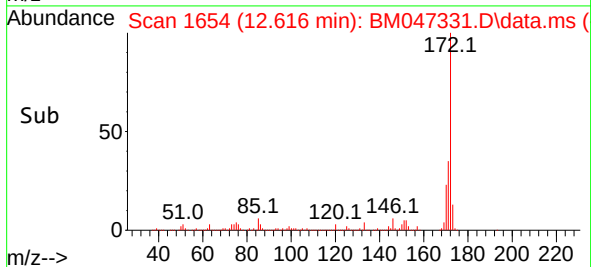
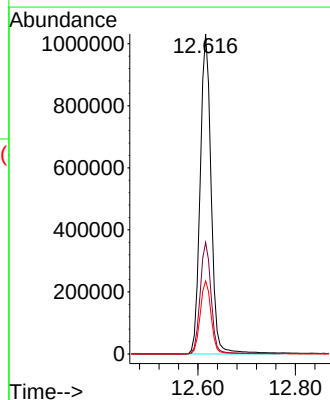
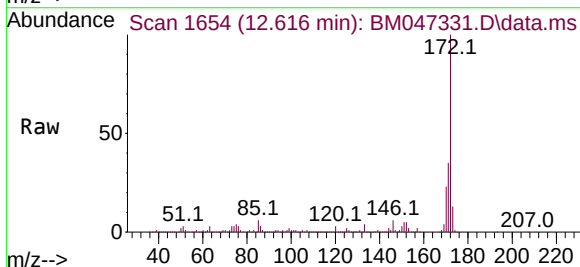
Tgt Ion:172 Resp: 1619025

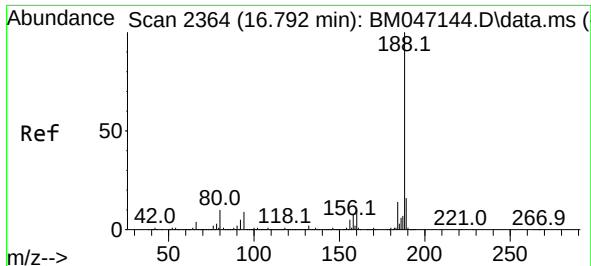
Ion Ratio Lower Upper

172 100

171 34.9 27.8 41.6

170 22.8 18.7 28.1

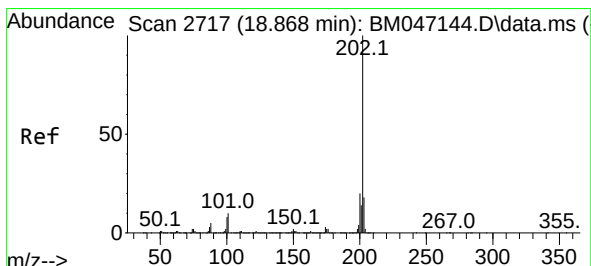
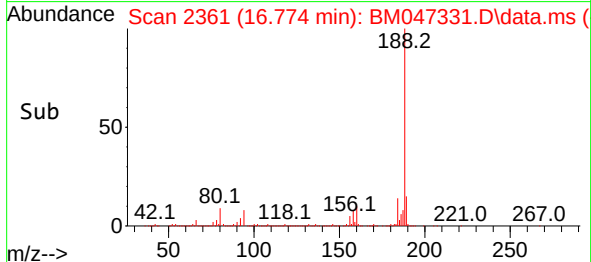
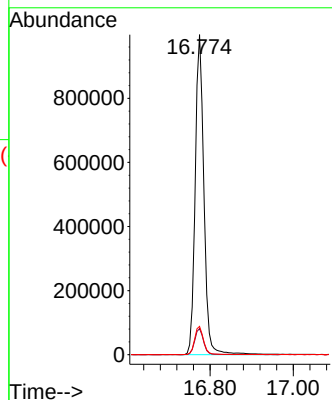
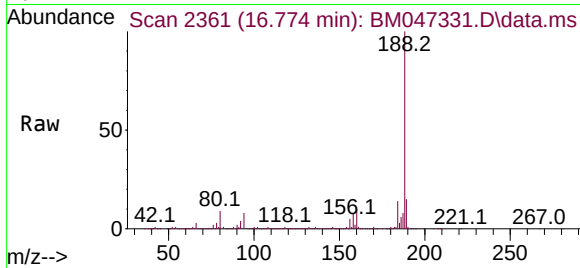




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.774 min Scan# 21
Delta R.T. -0.018 min
Lab File: BM047331.D
Acq: 23 Aug 2024 13:29

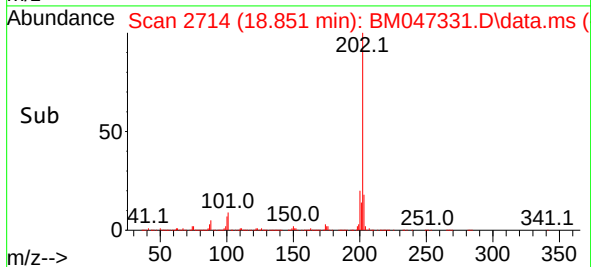
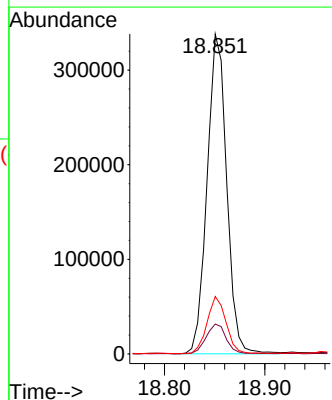
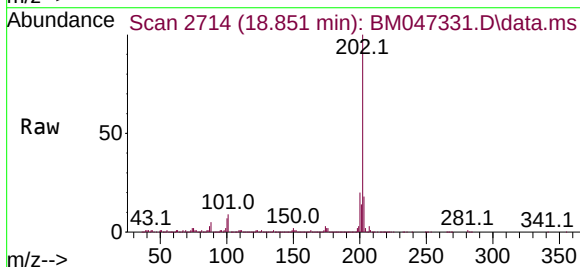
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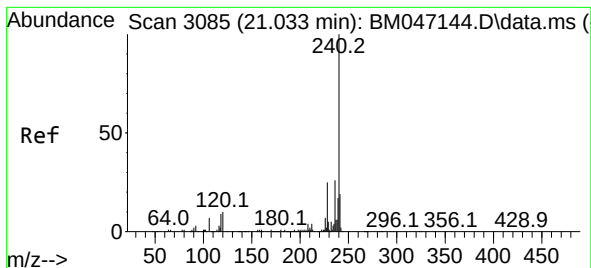
Tgt Ion:188 Resp: 1451576
Ion Ratio Lower Upper
188 100
94 8.1 7.0 10.6
80 8.9 8.0 12.0



#75
Fluoranthene
Concen: 5.187 ng
RT: 18.851 min Scan# 2714
Delta R.T. -0.018 min
Lab File: BM047331.D
Acq: 23 Aug 2024 13:29

Tgt Ion:202 Resp: 459631
Ion Ratio Lower Upper
202 100
101 9.4 0.0 30.2
203 18.0 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.015 min Scan# 30

Delta R.T. -0.018 min

Lab File: BM047331.D

Acq: 23 Aug 2024 13:29

Instrument :

BNA_M

ClientSampleId :

OU4-TS-11-080724RE

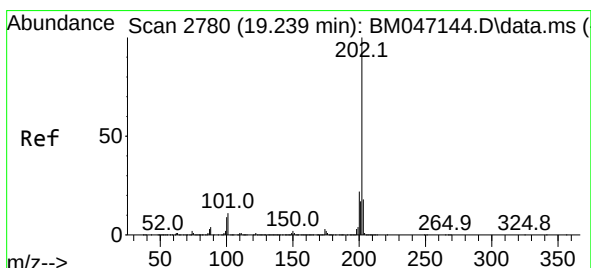
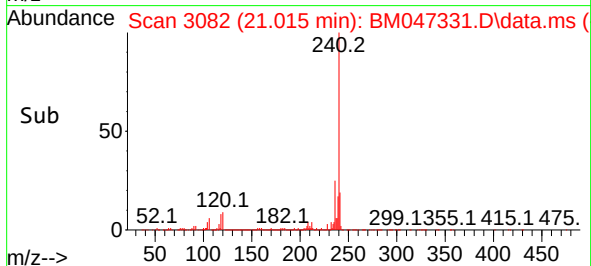
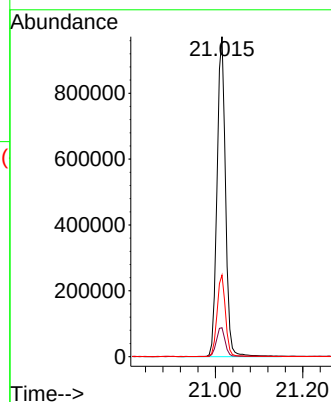
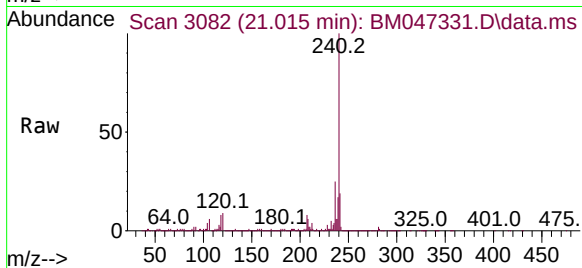
Tgt Ion:240 Resp: 1307088

Ion Ratio Lower Upper

240 100

120 9.0 8.2 12.2

236 25.5 20.6 30.8



#78

Pyrene

Concen: 4.340 ng

RT: 19.221 min Scan# 2777

Delta R.T. -0.018 min

Lab File: BM047331.D

Acq: 23 Aug 2024 13:29

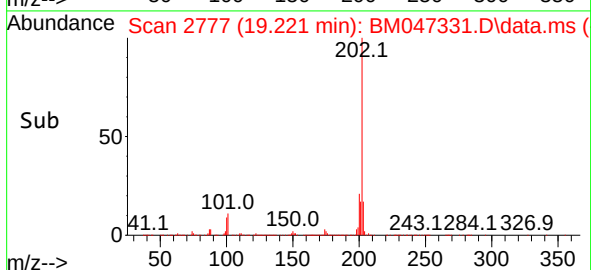
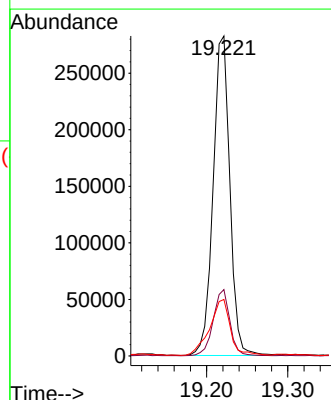
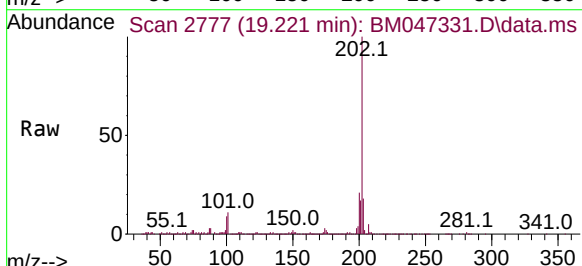
Tgt Ion:202 Resp: 405043

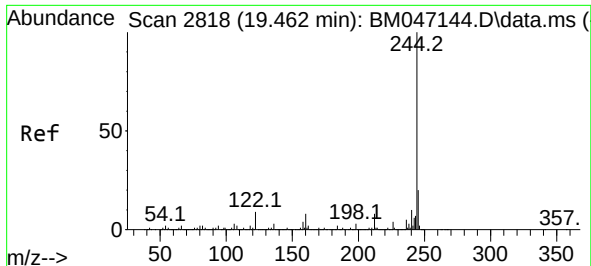
Ion Ratio Lower Upper

202 100

200 20.8 17.2 25.8

203 17.6 14.2 21.2

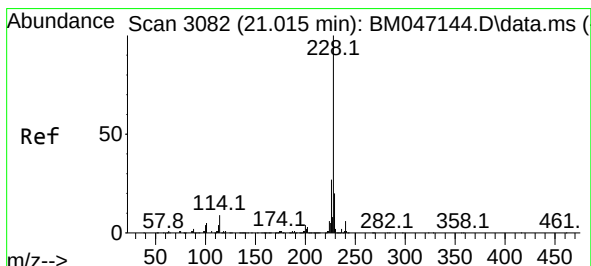
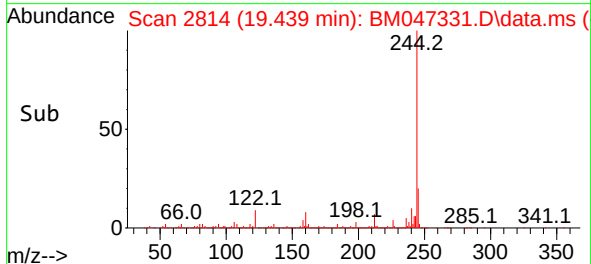
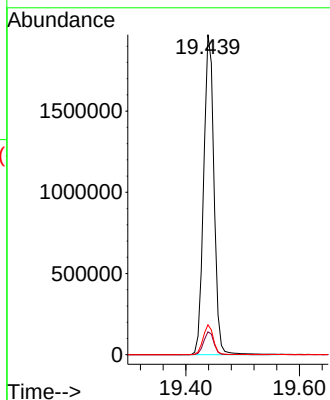
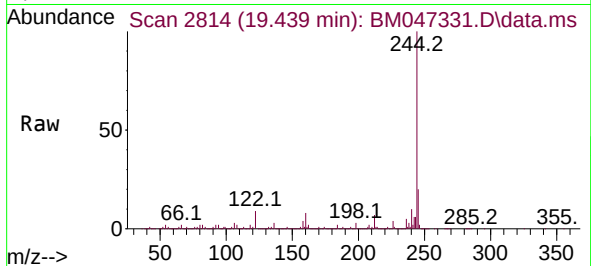




#79
 Terphenyl-d14
 Concen: 40.613 ng
 RT: 19.439 min Scan# 21
 Delta R.T. -0.024 min
 Lab File: BM047331.D
 Acq: 23 Aug 2024 13:29

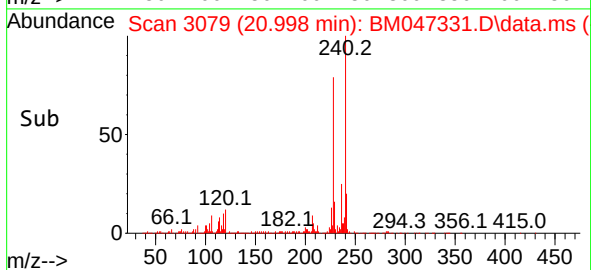
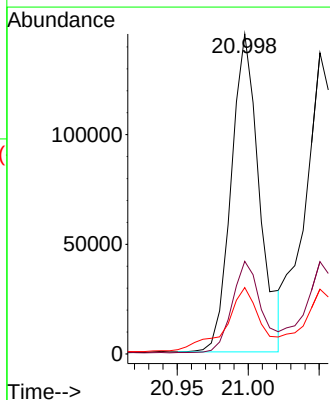
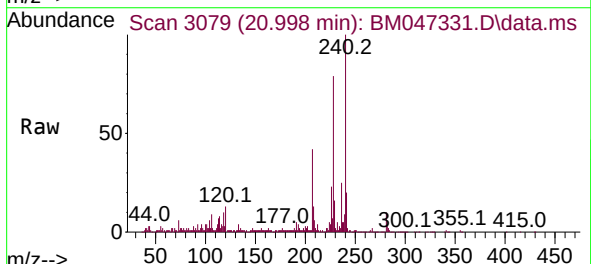
Instrument :
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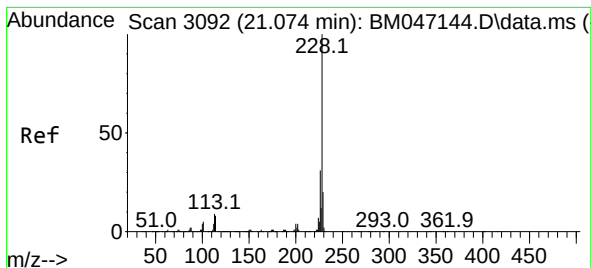
Tgt Ion:244 Resp: 2477405
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.2 9.4
 122 9.4 7.1 10.7



#81
 Benzo(a)anthracene
 Concen: 2.316 ng
 RT: 20.998 min Scan# 3079
 Delta R.T. -0.018 min
 Lab File: BM047331.D
 Acq: 23 Aug 2024 13:29

Tgt Ion:228 Resp: 200997
 Ion Ratio Lower Upper
 228 100
 226 28.9 21.8 32.6
 229 20.8 15.8 23.8





#83

Chrysene

Concen: 2.600 ng

RT: 21.051 min Scan# 3092

Delta R.T. -0.024 min

Lab File: BM047331.D

Acq: 23 Aug 2024 13:29

Instrument :

BNA_M

ClientSampleId :

OU4-TS-11-080724RE

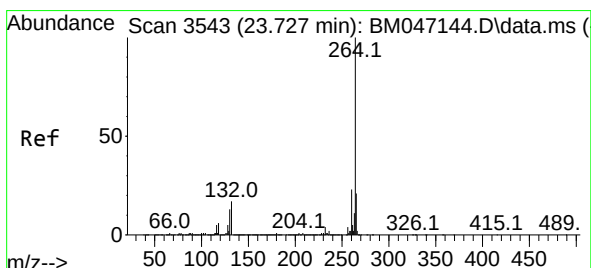
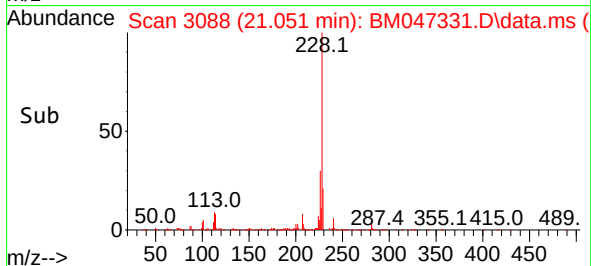
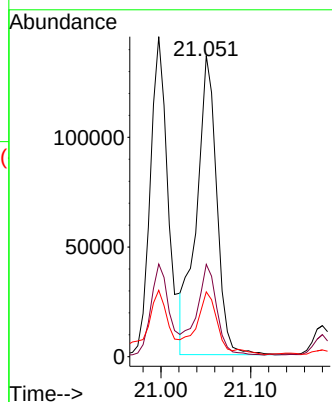
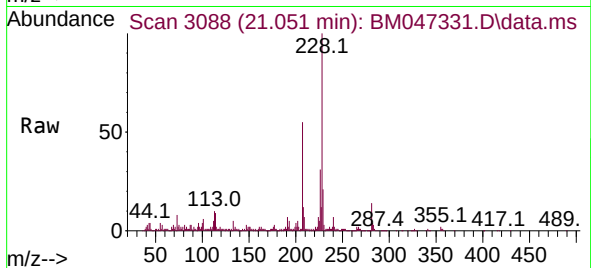
Tgt Ion:228 Resp: 214040

Ion Ratio Lower Upper

228 100

226 30.6 24.4 36.6

229 21.5 15.7 23.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.703 min Scan# 3539

Delta R.T. -0.024 min

Lab File: BM047331.D

Acq: 23 Aug 2024 13:29

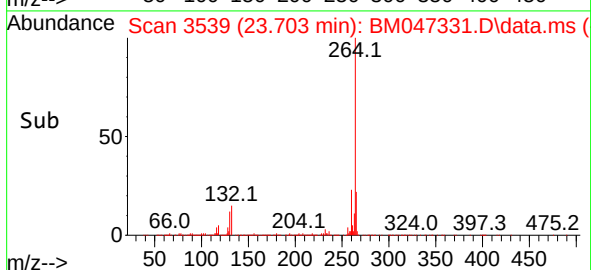
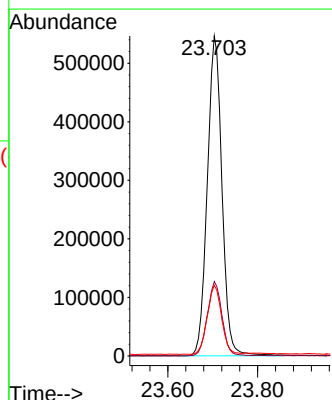
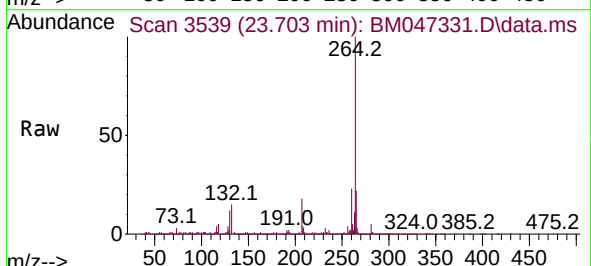
Tgt Ion:264 Resp: 1239770

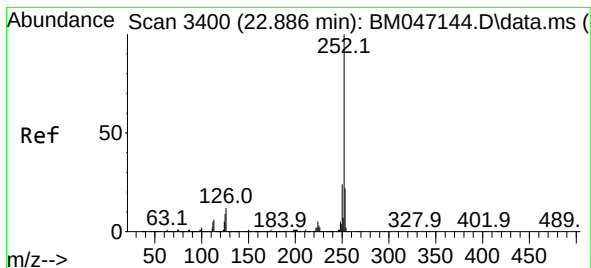
Ion Ratio Lower Upper

264 100

260 23.3 18.5 27.7

265 22.1 17.3 25.9





#88

Benzo(b)fluoranthene

Concen: 3.320 ng

RT: 22.862 min Scan# 31

Delta R.T. -0.024 min

Lab File: BM047331.D

Acq: 23 Aug 2024 13:29

Instrument :

BNA_M

ClientSampleId :

OU4-TS-11-080724RE

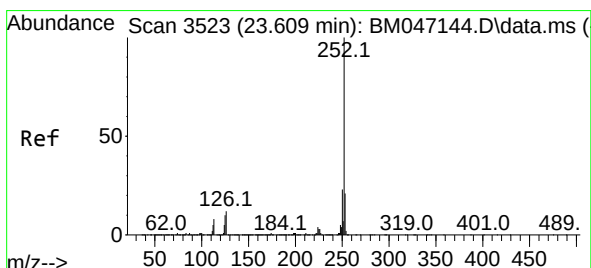
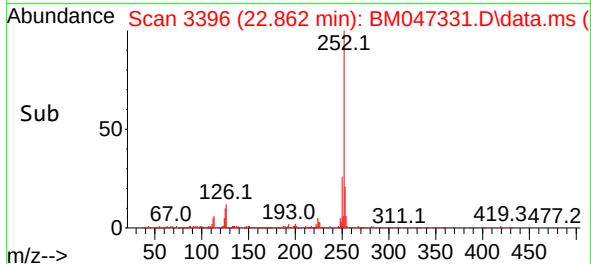
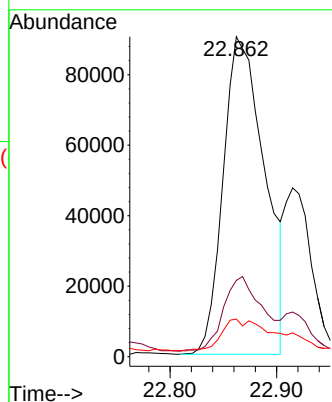
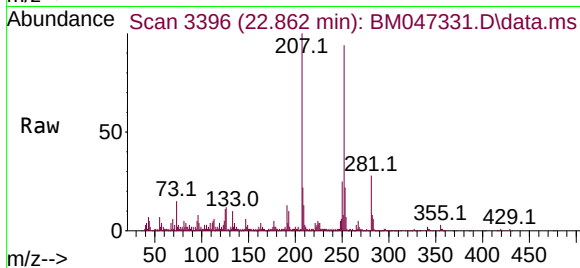
Tgt Ion:252 Resp: 244425

Ion Ratio Lower Upper

252 100

253 23.9 17.8 26.6

125 11.7 7.4 11.0#



#90

Benzo(a)pyrene

Concen: 2.344 ng

RT: 23.580 min Scan# 3518

Delta R.T. -0.030 min

Lab File: BM047331.D

Acq: 23 Aug 2024 13:29

Tgt Ion:252 Resp: 149517

Ion Ratio Lower Upper

252 100

253 22.9 17.1 25.7

125 11.7 8.2 12.2

