

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM090324\
 Data File : BM047426.D
 Acq On : 03 Sep 2024 15:24
 Operator : RC/JU
 Sample : P3813-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Sep 03 16:09:32 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 26 18:11:40 2024
 Response via : Initial Calibration

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

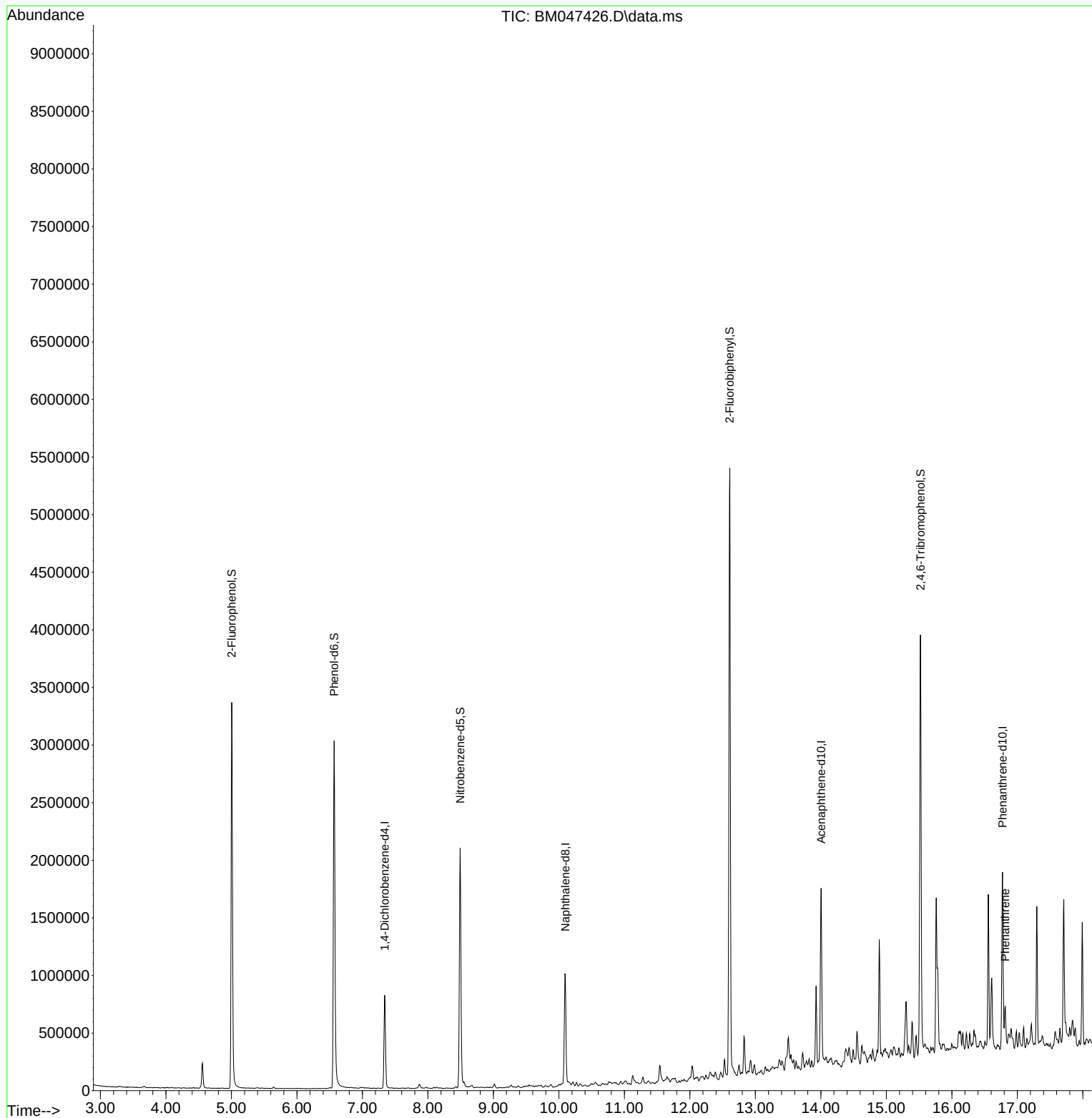
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.340	152	235195	20.000	ng	-0.01
21) Naphthalene-d8	10.098	136	844577	20.000	ng	0.00
39) Acenaphthene-d10	14.004	164	535896	20.000	ng	0.00
64) Phenanthrene-d10	16.774	188	978358	20.000	ng	0.00
76) Chrysene-d12	21.015	240	809863	20.000	ng	0.00
86) Perylene-d12	23.721	264	991570	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.004	112	1544033	125.951	ng	0.00
7) Phenol-d6	6.569	99	1991204	119.234	ng	0.00
23) Nitrobenzene-d5	8.492	82	1298616	85.315	ng	0.00
42) 2,4,6-Tribromophenol	15.521	330	775319	119.916	ng	0.00
45) 2-Fluorobiphenyl	12.610	172	3071378	88.061	ng	0.00
79) Terphenyl-d14	19.439	244	3592773	78.964	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.563	77	3836	Below Cal	#	19
71) Phenanthrene	16.815	178	218524	4.599	ng	99
75) Fluoranthene	18.851	202	517512	9.276	ng	99
78) Pyrene	19.221	202	548148	8.825	ng	100
81) Benzo(a)anthracene	20.997	228	300049	5.681	ng	96
83) Chrysene	21.056	228	312294	6.286	ng	98
87) Indeno(1,2,3-cd)pyrene	26.727	276	303655	4.892	ng	97
88) Benzo(b)fluoranthene	22.880	252	456058	7.883	ng	# 94
89) Benzo(k)fluoranthene	22.880	252	456058	8.316	ng	# 93
90) Benzo(a)pyrene	23.591	252	373286	7.462	ng	95
92) Benzo(g,h,i)perylene	27.668	276	350058	6.696	ng	98

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

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BNA_M
ClientSampleId :

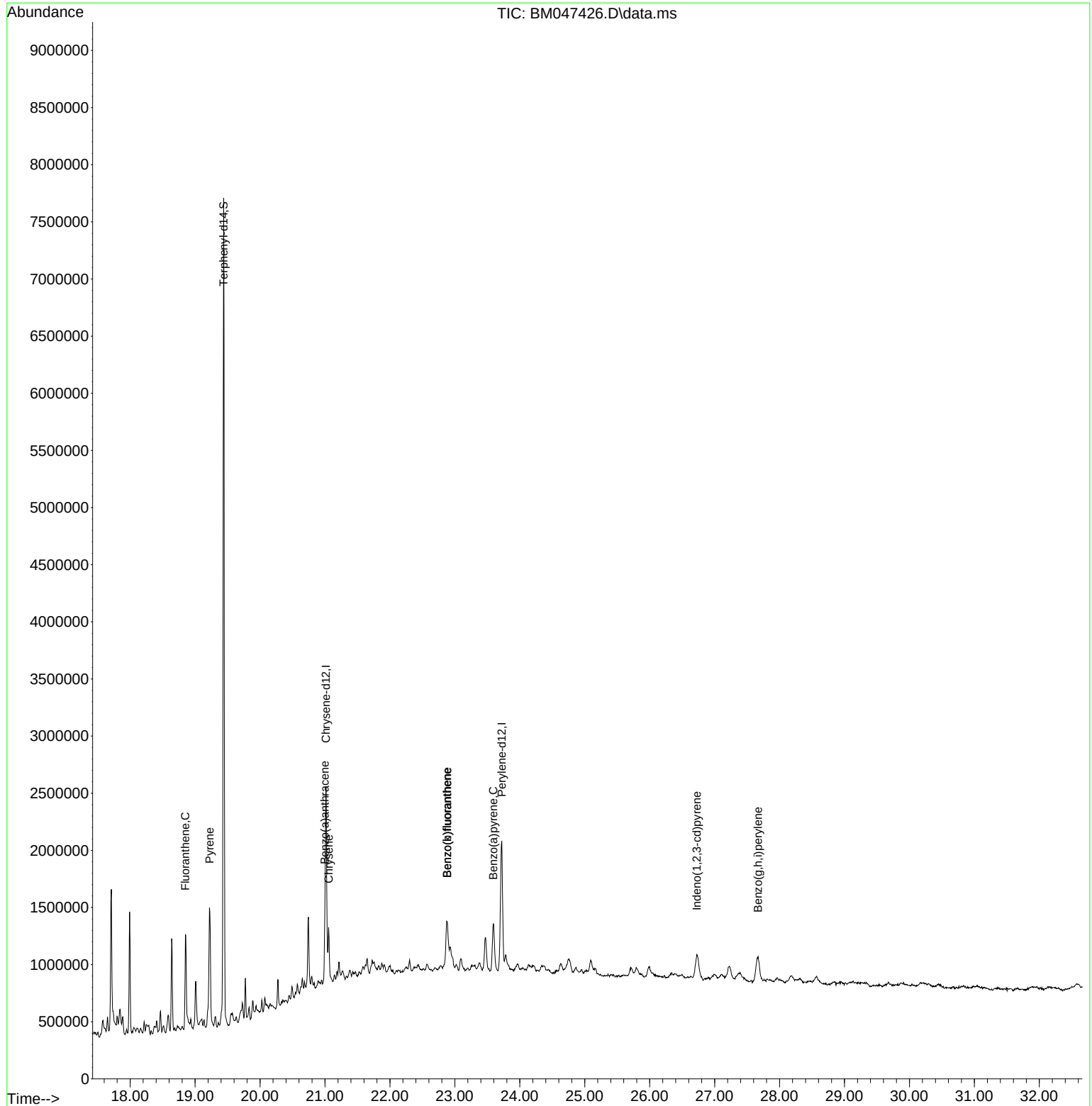
Quant Time: Sep 03 16:09:32 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 26 18:11:40 2024
Response via : Initial Calibration

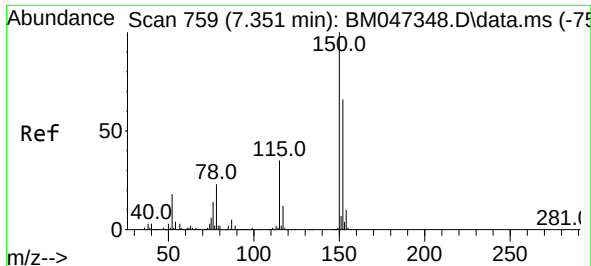


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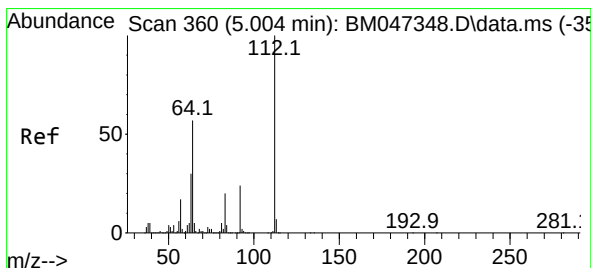
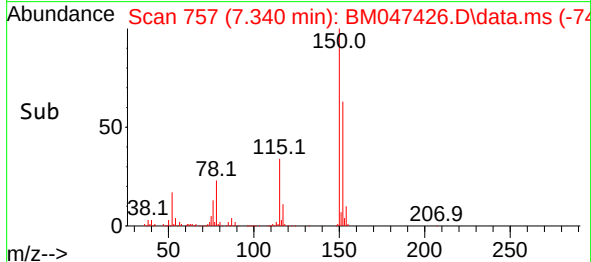
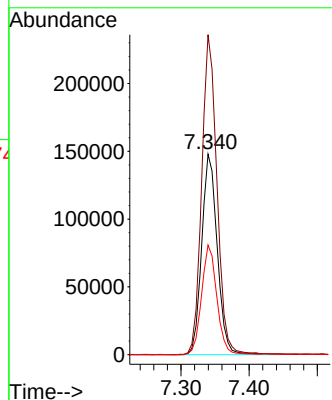
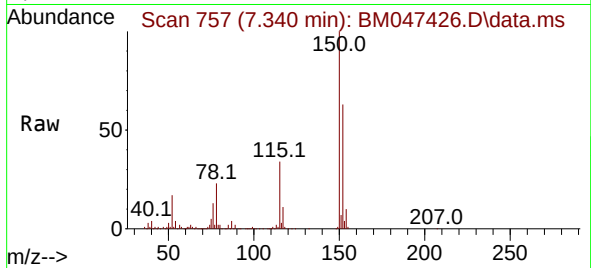




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.340 min Scan# 70
 Delta R.T. -0.011 min
 Lab File: BM047426.D
 Acq: 03 Sep 2024 15:24

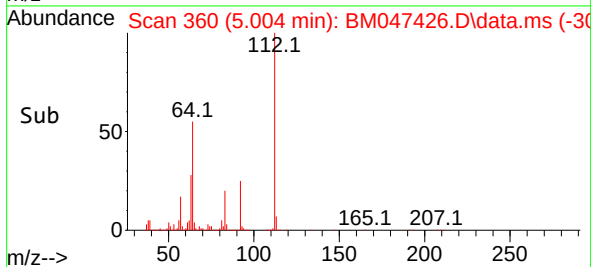
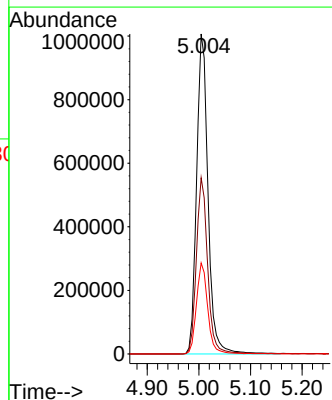
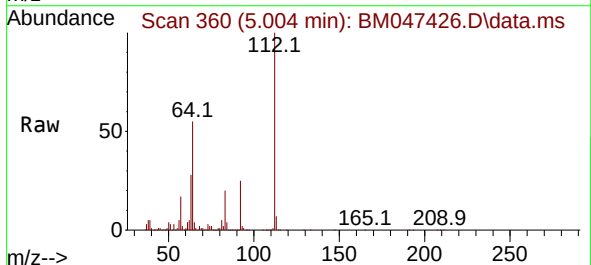
Instrument :
 BNA_M
 ClientSampleId :

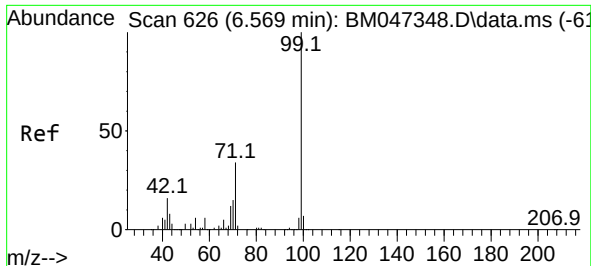
Tgt Ion:152 Resp: 235195
 Ion Ratio Lower Upper
 152 100
 150 159.6 121.3 181.9
 115 54.7 42.6 64.0



#5
 2-Fluorophenol
 Concen: 125.951 ng
 RT: 5.004 min Scan# 360
 Delta R.T. 0.000 min
 Lab File: BM047426.D
 Acq: 03 Sep 2024 15:24

Tgt Ion:112 Resp: 1544033
 Ion Ratio Lower Upper
 112 100
 64 55.1 45.7 68.5
 63 28.5 23.8 35.8

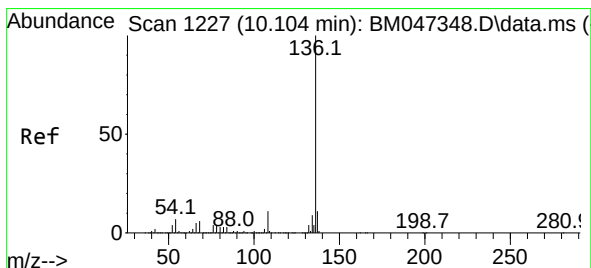
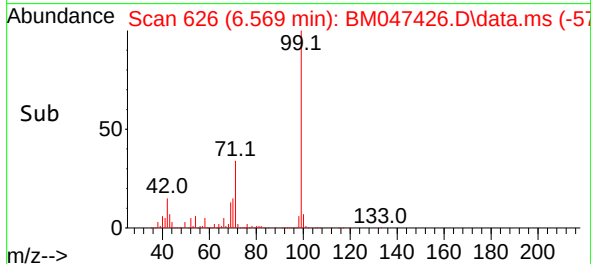
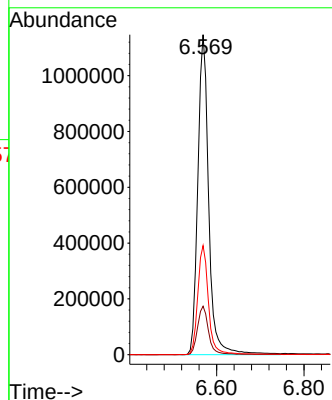
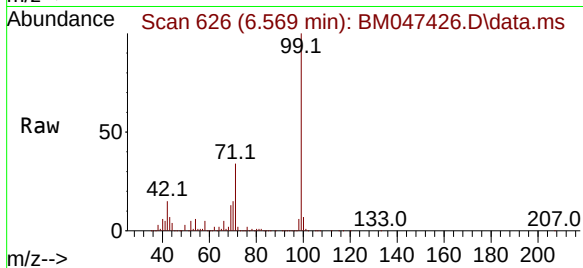




#7
Phenol-d6
Concen: 119.234 ng
RT: 6.569 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM047426.D
Acq: 03 Sep 2024 15:24

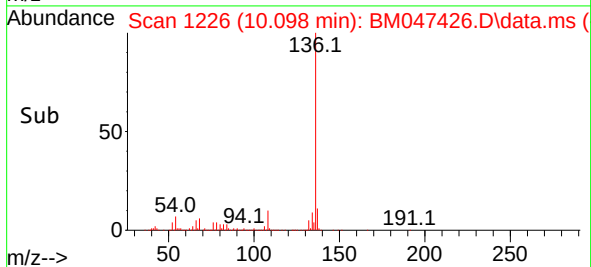
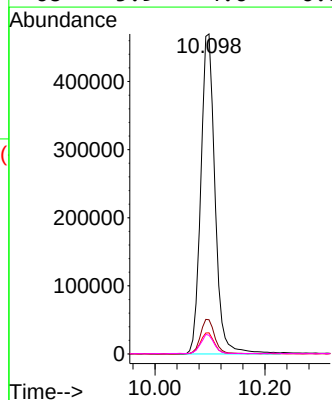
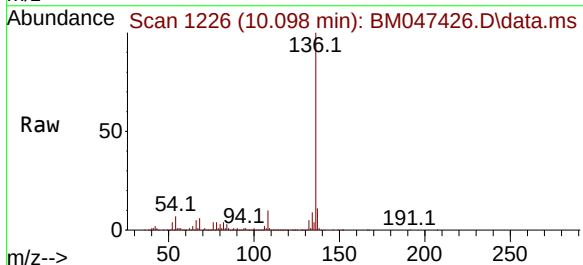
Instrument :
BNA_M
ClientSampleId :

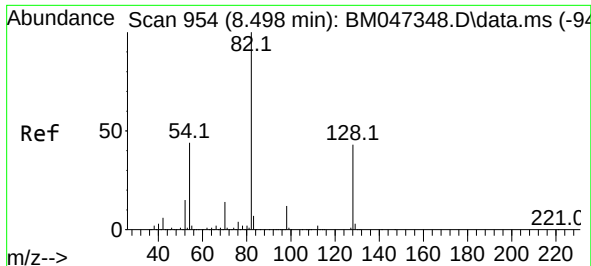
Tgt Ion: 99 Resp: 1991204
Ion Ratio Lower Upper
99 100
42 15.2 13.0 19.4
71 34.1 27.5 41.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.098 min Scan# 1226
Delta R.T. -0.006 min
Lab File: BM047426.D
Acq: 03 Sep 2024 15:24

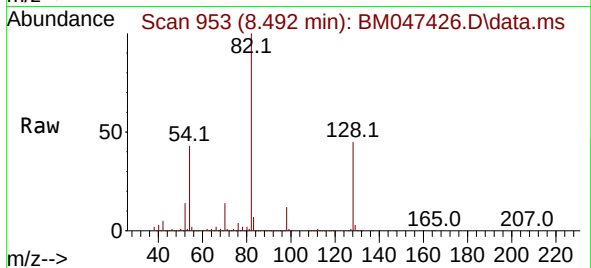
Tgt Ion:136 Resp: 844577
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 6.6 5.2 7.8
68 5.9 4.6 6.8



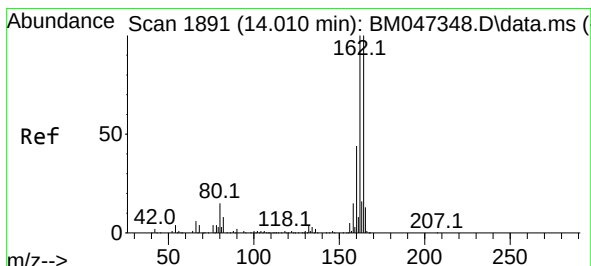
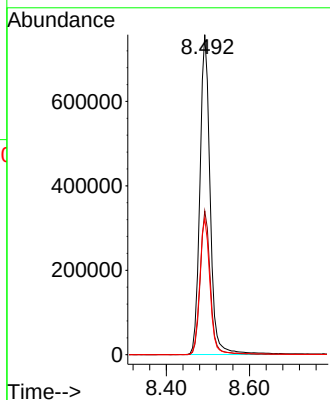
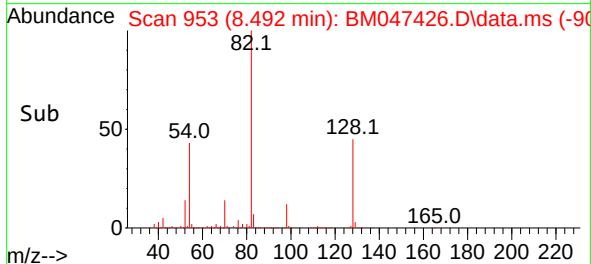


#23
Nitrobenzene-d5
Concen: 85.315 ng
RT: 8.492 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM047426.D
Acq: 03 Sep 2024 15:24

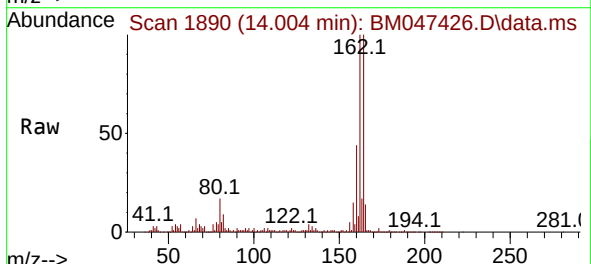
Instrument :
BNA_M
ClientSampleId :



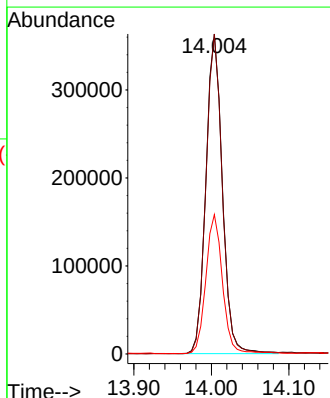
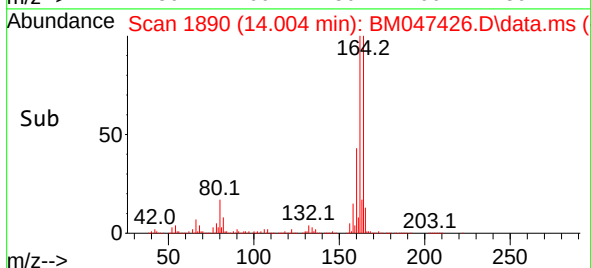
Tgt Ion: 82 Resp: 1298616
Ion Ratio Lower Upper
82 100
128 44.9 34.6 51.8
54 42.5 35.5 53.3

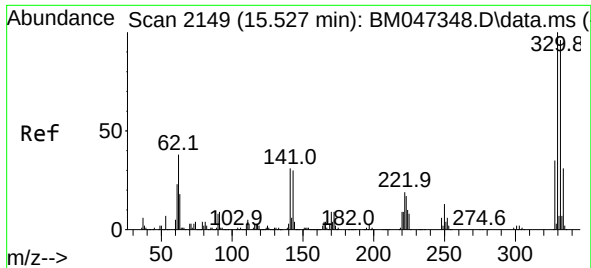


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.004 min Scan# 1890
Delta R.T. -0.006 min
Lab File: BM047426.D
Acq: 03 Sep 2024 15:24



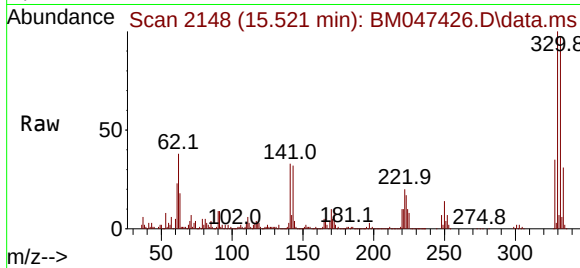
Tgt Ion: 164 Resp: 535896
Ion Ratio Lower Upper
164 100
162 99.9 79.7 119.5
160 43.6 34.9 52.3



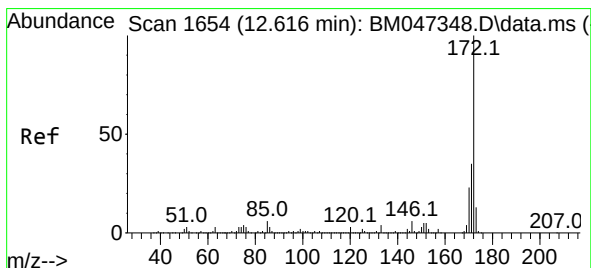
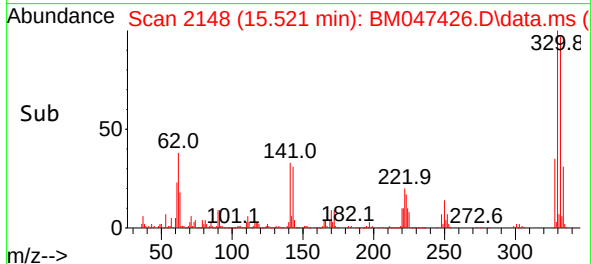
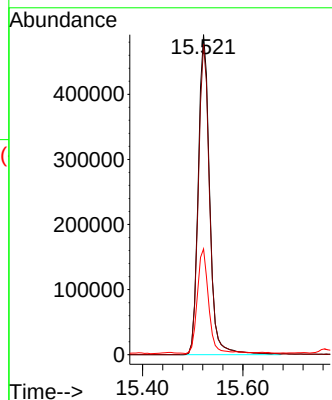


#42
 2,4,6-Tribromophenol
 Concen: 119.916 ng
 RT: 15.521 min Scan# 2149
 Delta R.T. -0.006 min
 Lab File: BM047426.D
 Acq: 03 Sep 2024 15:24

Instrument :
 BNA_M
 ClientSampleId :

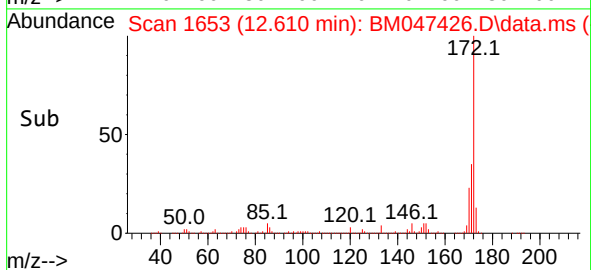
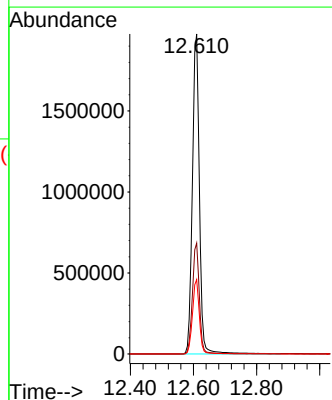
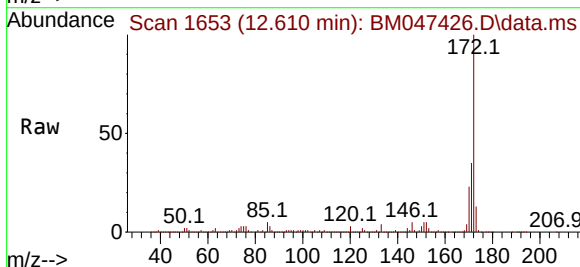


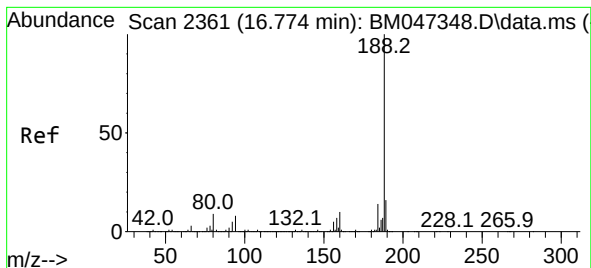
Tgt Ion:330 Resp: 775319
 Ion Ratio Lower Upper
 330 100
 332 96.1 77.2 115.8
 141 32.7 27.6 41.4



#45
 2-Fluorobiphenyl
 Concen: 88.061 ng
 RT: 12.610 min Scan# 1653
 Delta R.T. -0.006 min
 Lab File: BM047426.D
 Acq: 03 Sep 2024 15:24

Tgt Ion:172 Resp: 3071378
 Ion Ratio Lower Upper
 172 100
 171 34.6 27.8 41.6
 170 23.3 18.5 27.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.774 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM047426.D

Acq: 03 Sep 2024 15:24

Instrument :

BNA_M

ClientSampleId :

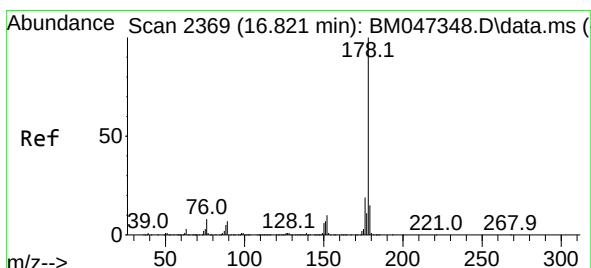
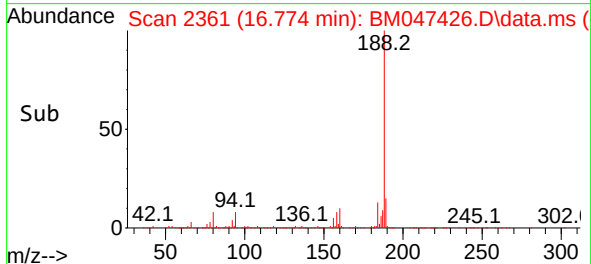
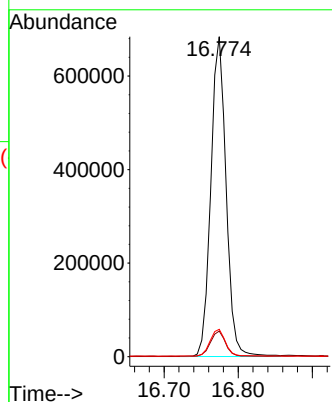
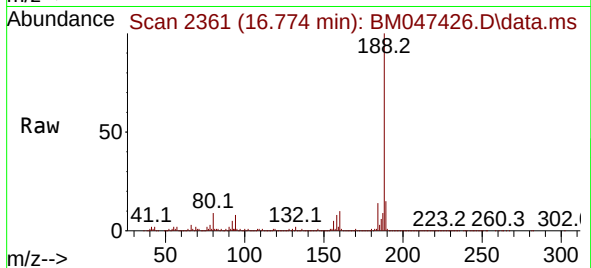
Tgt Ion:188 Resp: 978358

Ion Ratio Lower Upper

188 100

94 8.0 6.4 9.6

80 8.6 7.4 11.2



#71

Phenanthrene

Concen: 4.599 ng

RT: 16.815 min Scan# 2368

Delta R.T. -0.006 min

Lab File: BM047426.D

Acq: 03 Sep 2024 15:24

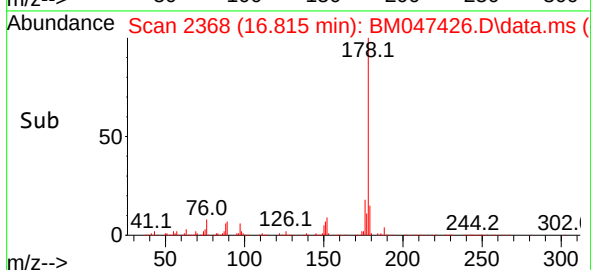
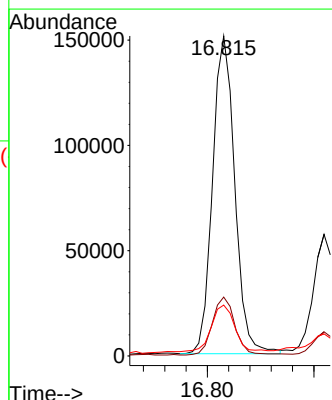
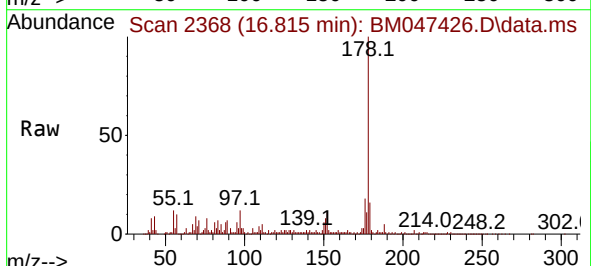
Tgt Ion:178 Resp: 218524

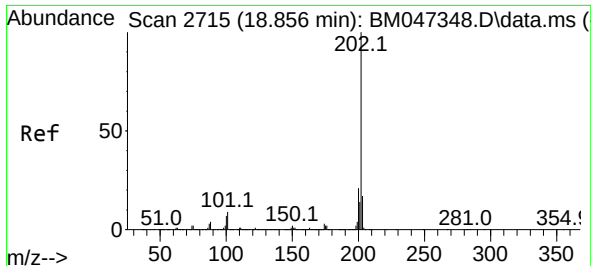
Ion Ratio Lower Upper

178 100

176 18.4 15.2 22.8

179 15.9 12.2 18.4

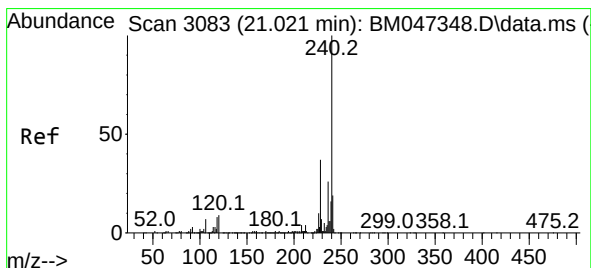
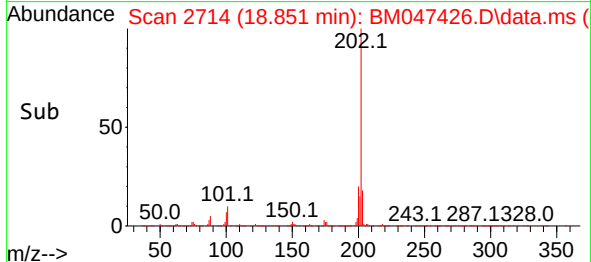
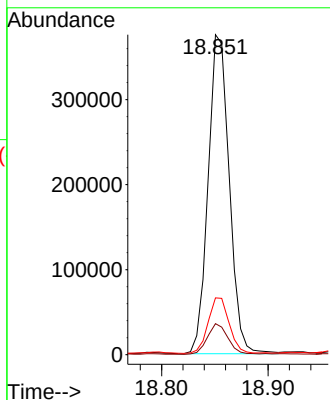
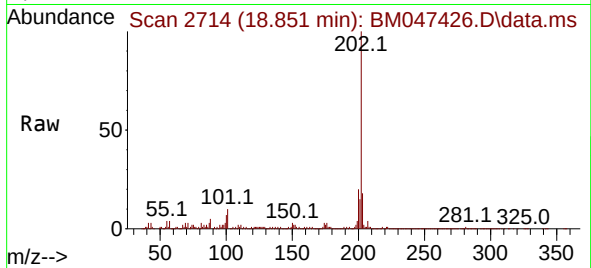




#75
Fluoranthene
Concen: 9.276 ng
RT: 18.851 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM047426.D
Acq: 03 Sep 2024 15:24

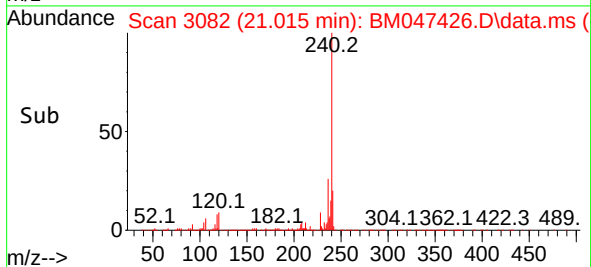
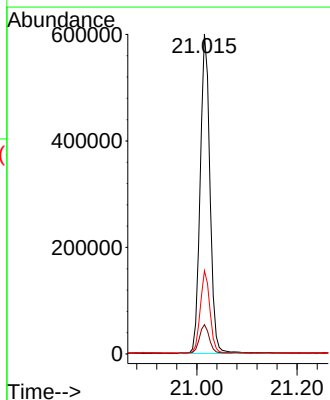
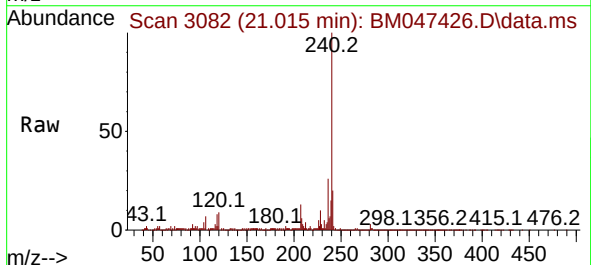
Instrument :
BNA_M
ClientSampleId :

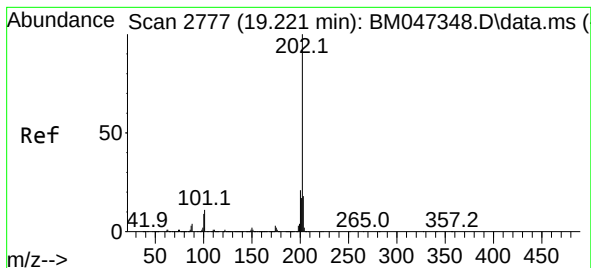
Tgt Ion:202 Resp: 517512
Ion Ratio Lower Upper
202 100
101 9.7 0.0 29.0
203 17.8 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.015 min Scan# 3082
Delta R.T. -0.006 min
Lab File: BM047426.D
Acq: 03 Sep 2024 15:24

Tgt Ion:240 Resp: 809863
Ion Ratio Lower Upper
240 100
120 9.2 7.4 11.0
236 26.0 20.8 31.2





#78

Pyrene

Concen: 8.825 ng

RT: 19.221 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM047426.D

Acq: 03 Sep 2024 15:24

Instrument :

BNA_M

ClientSampleId :

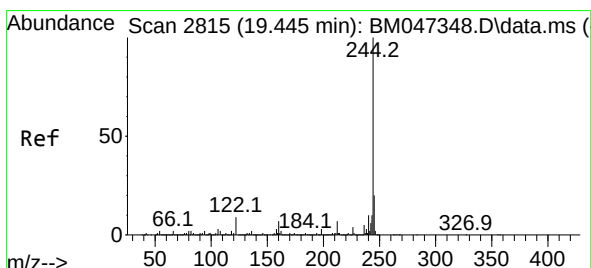
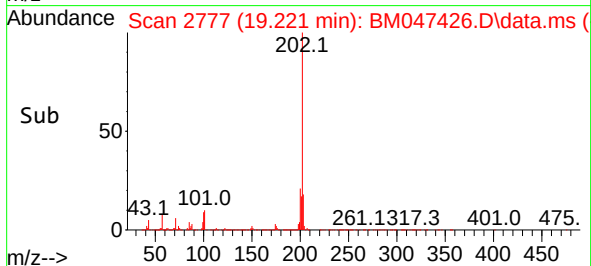
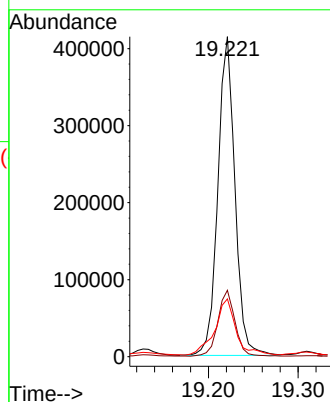
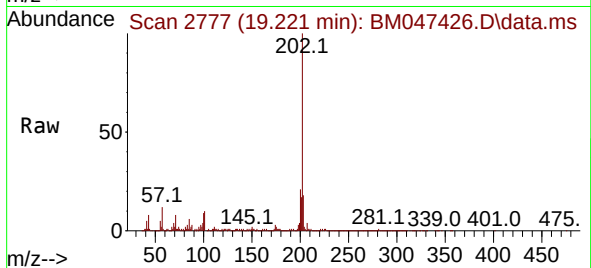
Tgt Ion:202 Resp: 548148

Ion Ratio Lower Upper

202 100

200 20.7 16.7 25.1

203 18.1 14.2 21.4



#79

Terphenyl-d14

Concen: 78.964 ng

RT: 19.439 min Scan# 2814

Delta R.T. -0.006 min

Lab File: BM047426.D

Acq: 03 Sep 2024 15:24

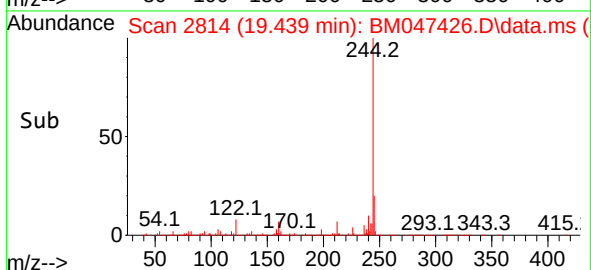
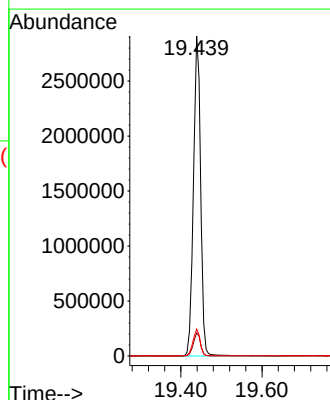
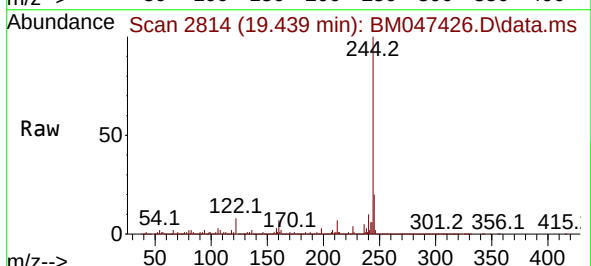
Tgt Ion:244 Resp: 3592773

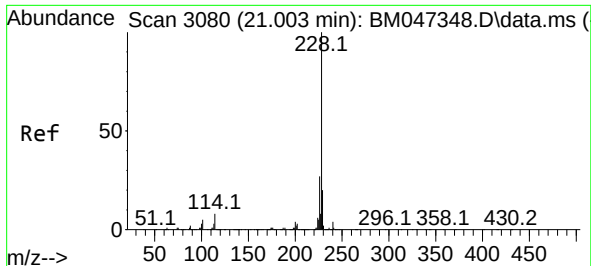
Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

122 8.4 7.0 10.4

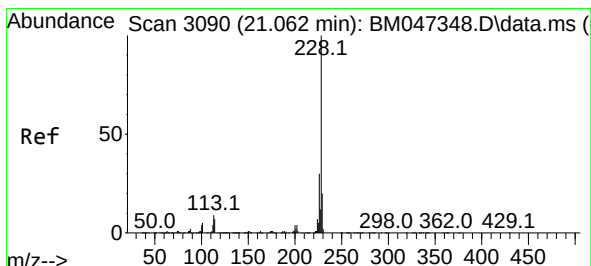
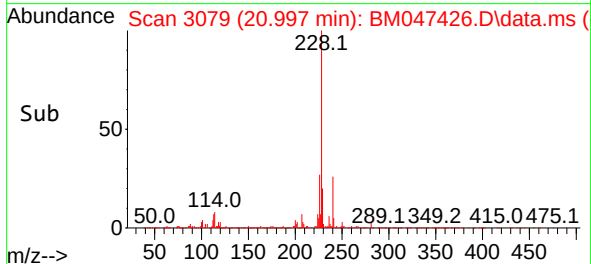
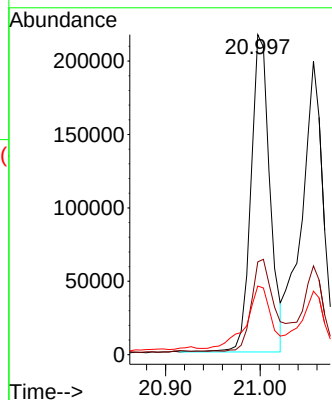
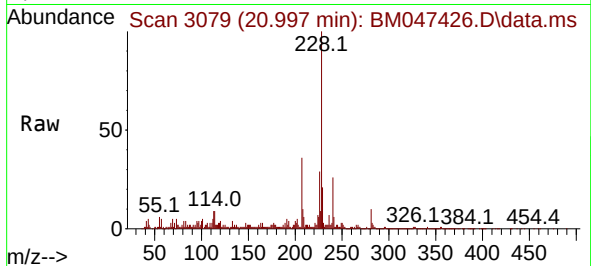




#81
Benzo(a)anthracene
Concen: 5.681 ng
RT: 20.997 min Scan# 3080
Delta R.T. -0.006 min
Lab File: BM047426.D
Acq: 03 Sep 2024 15:24

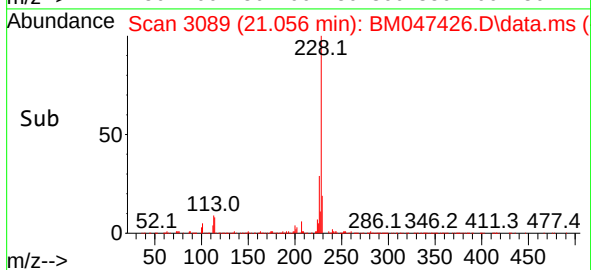
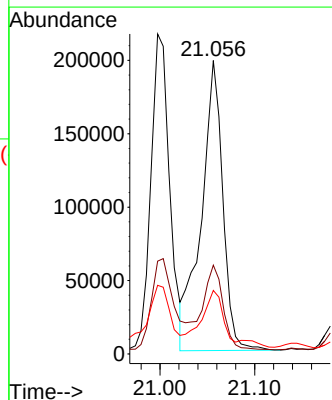
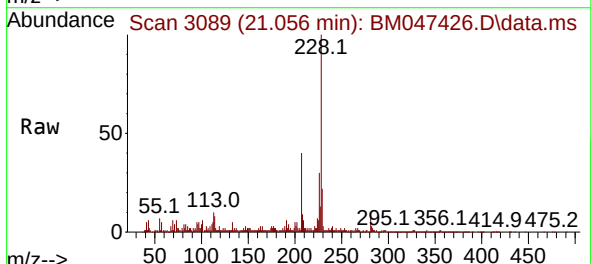
Instrument :
BNA_M
ClientSampleId :

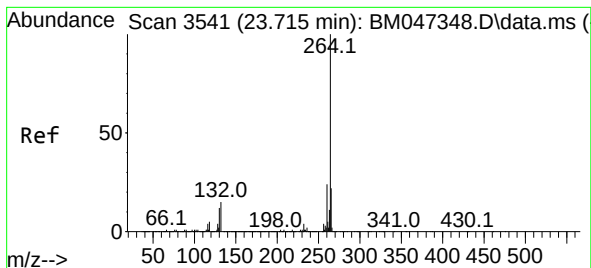
Tgt Ion:228 Resp: 300049
Ion Ratio Lower Upper
228 100
226 29.0 21.4 32.0
229 21.5 15.8 23.8



#83
Chrysene
Concen: 6.286 ng
RT: 21.056 min Scan# 3089
Delta R.T. -0.006 min
Lab File: BM047426.D
Acq: 03 Sep 2024 15:24

Tgt Ion:228 Resp: 312294
Ion Ratio Lower Upper
228 100
226 30.3 24.0 36.0
229 21.6 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.721 min Scan# 3

Delta R.T. 0.006 min

Lab File: BM047426.D

Acq: 03 Sep 2024 15:24

Instrument :

BNA_M

ClientSampleId :

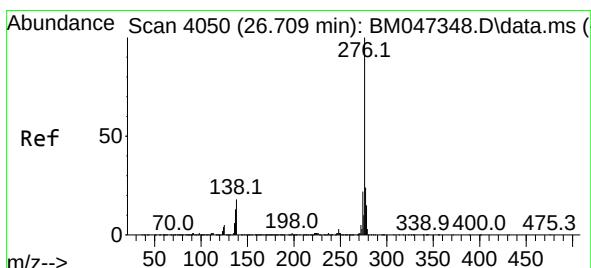
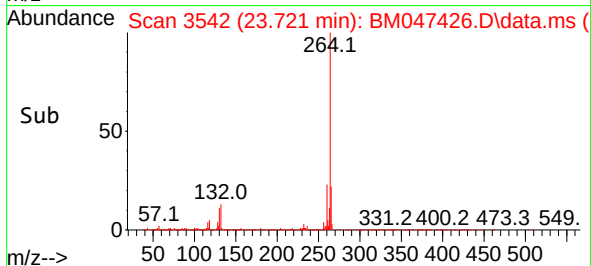
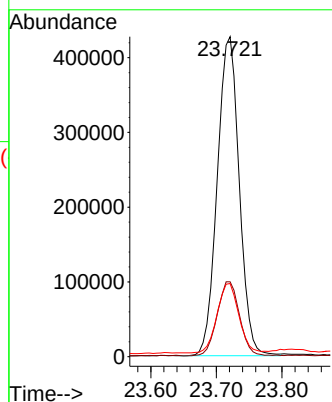
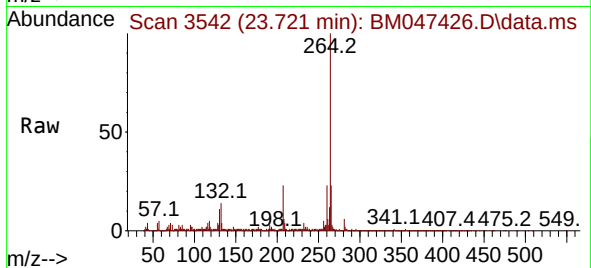
Tgt Ion:264 Resp: 991570

Ion Ratio Lower Upper

264 100

260 23.4 19.0 28.4

265 22.9 17.8 26.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.892 ng

RT: 26.727 min Scan# 4053

Delta R.T. 0.018 min

Lab File: BM047426.D

Acq: 03 Sep 2024 15:24

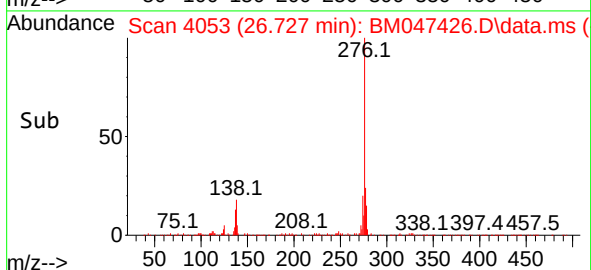
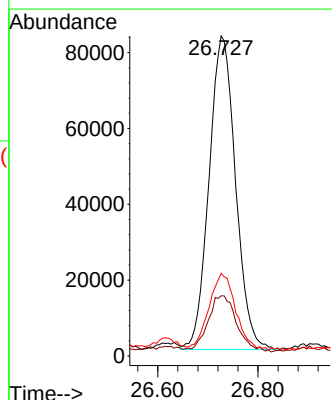
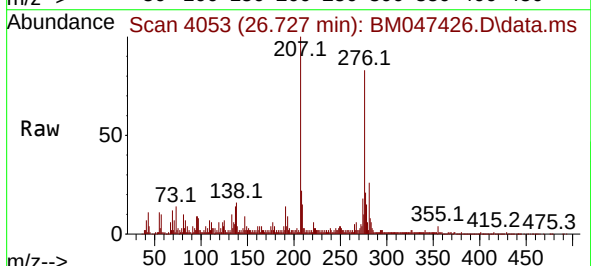
Tgt Ion:276 Resp: 303655

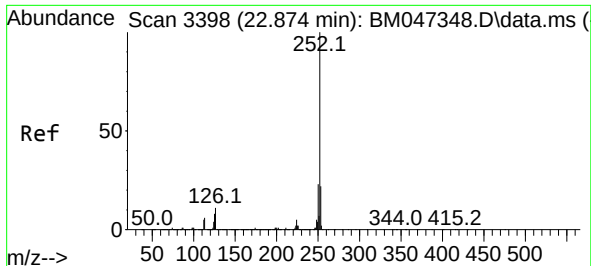
Ion Ratio Lower Upper

276 100

138 19.6 17.7 26.5

277 24.7 20.0 30.0

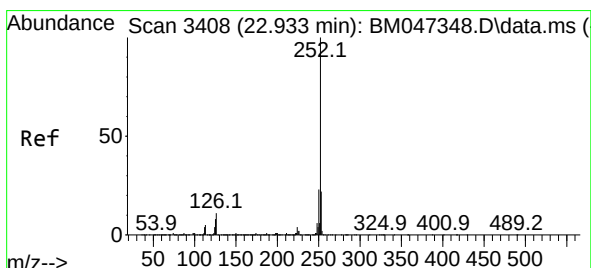
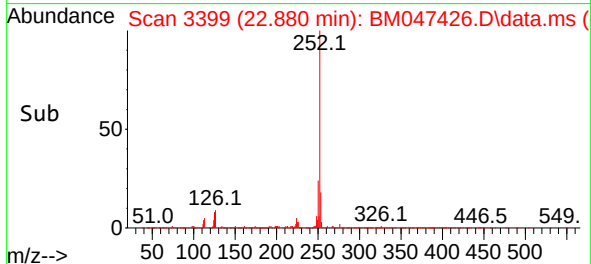
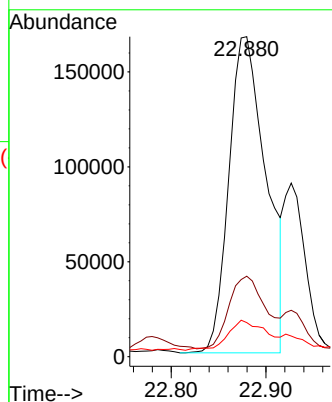
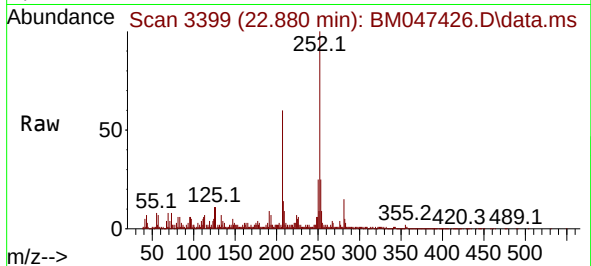




#88
Benzo(b)fluoranthene
Concen: 7.883 ng
RT: 22.880 min Scan# 31
Delta R.T. 0.006 min
Lab File: BM047426.D
Acq: 03 Sep 2024 15:24

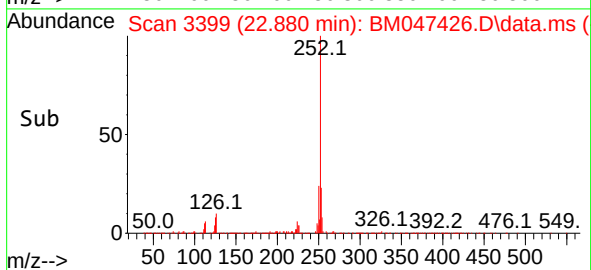
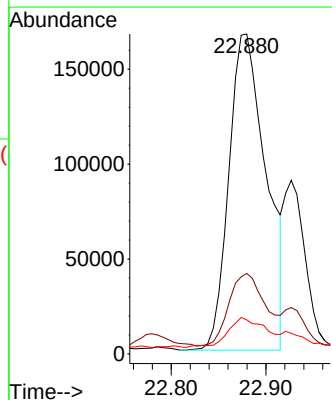
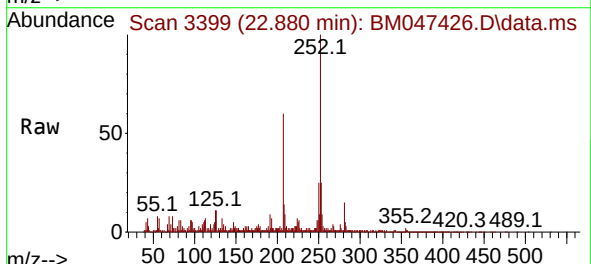
Instrument :
BNA_M
ClientSampleId :

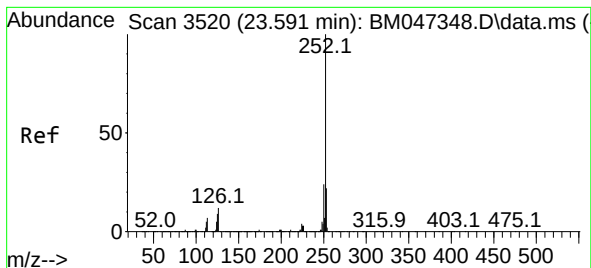
Tgt Ion:252 Resp: 456058
Ion Ratio Lower Upper
252 100
253 25.2 17.8 26.6
125 10.7 6.6 10.0#



#89
Benzo(k)fluoranthene
Concen: 8.316 ng
RT: 22.880 min Scan# 3399
Delta R.T. -0.053 min
Lab File: BM047426.D
Acq: 03 Sep 2024 15:24

Tgt Ion:252 Resp: 456058
Ion Ratio Lower Upper
252 100
253 25.2 17.5 26.3
125 10.7 6.6 9.8#





#90

Benzo(a)pyrene

Concen: 7.462 ng

RT: 23.591 min Scan# 3

Delta R.T. 0.000 min

Lab File: BM047426.D

Acq: 03 Sep 2024 15:24

Instrument :

BNA_M

ClientSampleId :

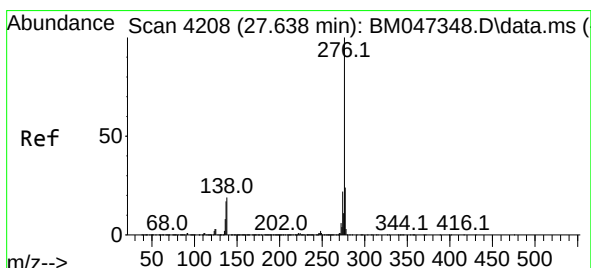
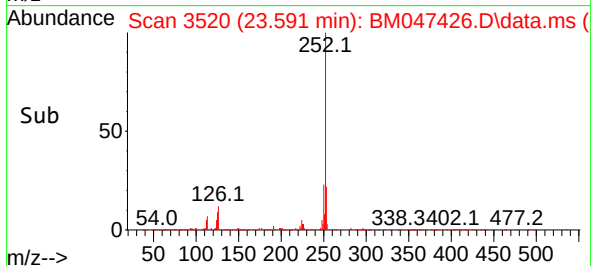
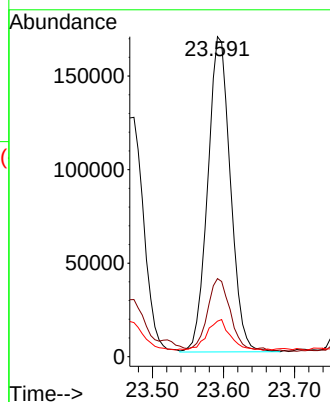
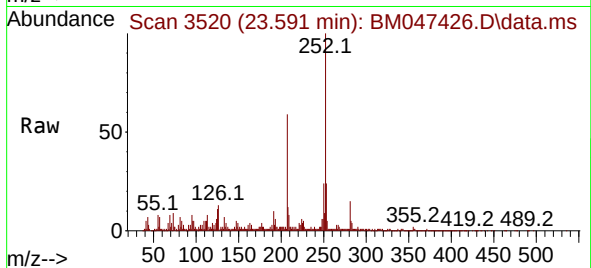
Tgt Ion:252 Resp: 373286

Ion Ratio Lower Upper

252 100

253 24.4 17.7 26.5

125 11.1 7.4 11.2



#92

Benzo(g,h,i)perylene

Concen: 6.696 ng

RT: 27.668 min Scan# 4213

Delta R.T. 0.029 min

Lab File: BM047426.D

Acq: 03 Sep 2024 15:24

Tgt Ion:276 Resp: 350058

Ion Ratio Lower Upper

276 100

277 26.0 19.4 29.0

138 19.2 15.0 22.6

