

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM090324\
 Data File : BM047425.D
 Acq On : 03 Sep 2024 14:45
 Operator : RC/JU
 Sample : P3814-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Sep 03 15:33:35 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)

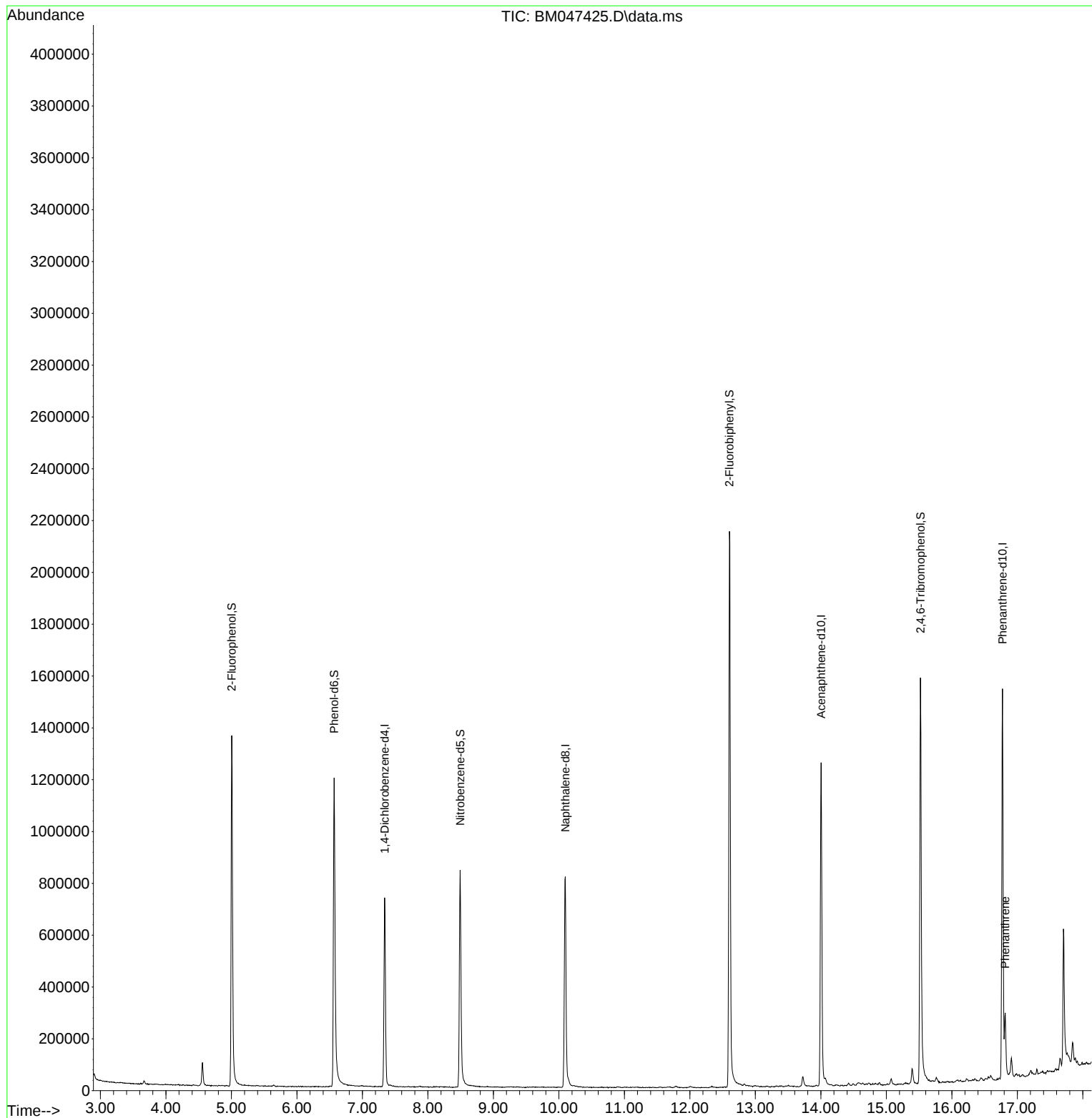
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.339	152	213924	20.000	ng	-0.01
21) Naphthalene-d8	10.098	136	772016	20.000	ng	0.00
39) Acenaphthene-d10	14.004	164	508580	20.000	ng	0.00
64) Phenanthrene-d10	16.774	188	973765	20.000	ng	0.00
76) Chrysene-d12	21.015	240	777318	20.000	ng	0.00
86) Perylene-d12	23.715	264	923427	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.004	112	663357	59.493	ng	0.00
7) Phenol-d6	6.569	99	866359	57.036	ng	0.00
23) Nitrobenzene-d5	8.492	82	563511	40.500	ng	0.00
42) 2,4,6-Tribromophenol	15.521	330	361453	58.908	ng	0.00
45) 2-Fluorobiphenyl	12.604	172	1331255	40.219	ng	-0.01
79) Terphenyl-d14	19.439	244	1580863	36.200	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.492	77	329	Below Cal	#	28
71) Phenanthrene	16.815	178	151914	3.212	ng	99
75) Fluoranthene	18.850	202	357726	6.442	ng	100
78) Pyrene	19.221	202	300508	5.041	ng	99
81) Benzo(a)anthracene	21.003	228	165067	3.256	ng	95
83) Chrysene	21.056	228	159267	3.340	ng	97
87) Indeno(1,2,3-cd)pyrene	26.726	276	122192	2.114	ng	96
88) Benzo(b)fluoranthene	22.874	252	230694	4.282	ng	# 92
89) Benzo(k)fluoranthene	22.874	252	230694	4.517	ng	# 92
90) Benzo(a)pyrene	23.591	252	162971	3.498	ng	# 94
92) Benzo(g,h,i)perylene	27.668	276	120933	2.484	ng	97

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

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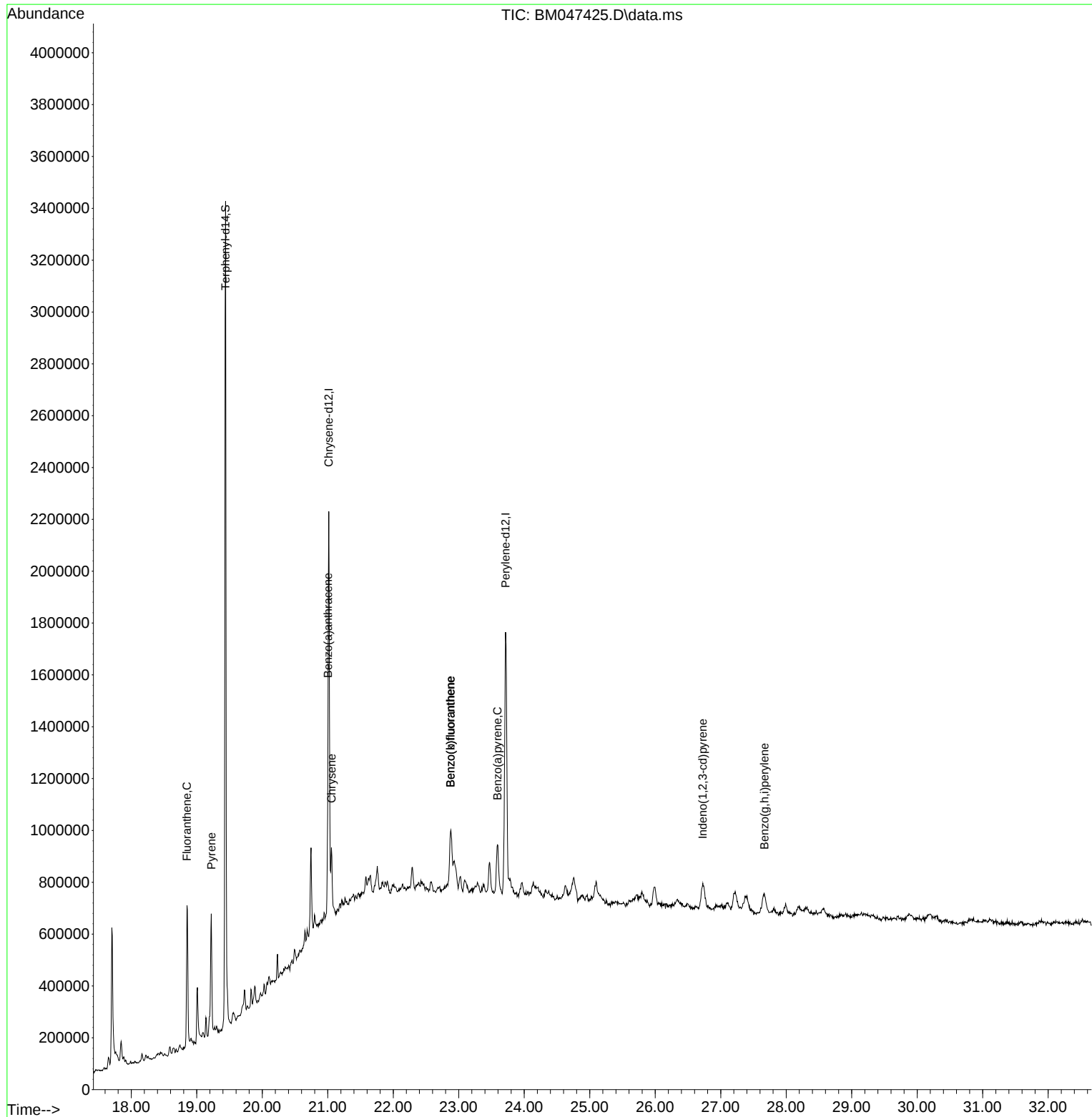
Quant Time: Sep 03 15:33:35 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082624.M
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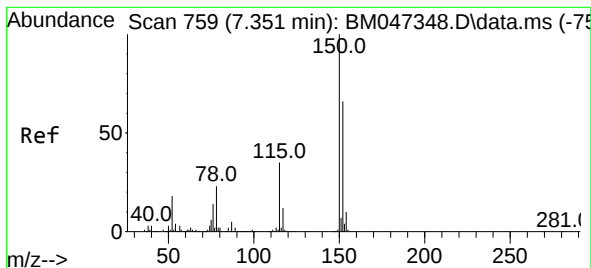


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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.339 min Scan# 7

Delta R.T. -0.012 min

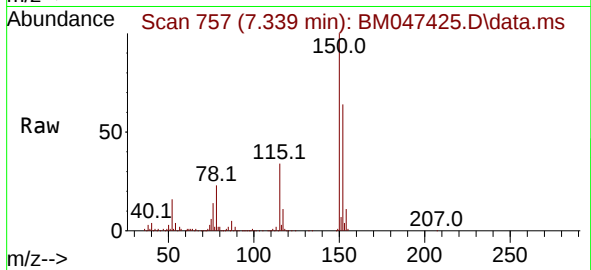
Lab File: BM047425.D

Acq: 03 Sep 2024 14:45

Instrument :

BNA_M

ClientSampleId :



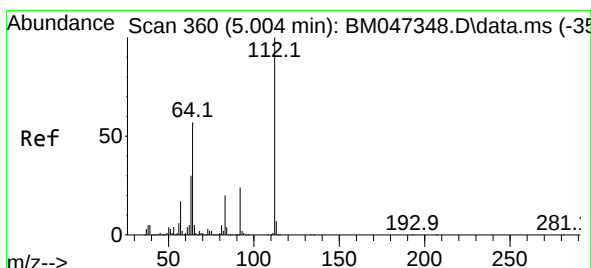
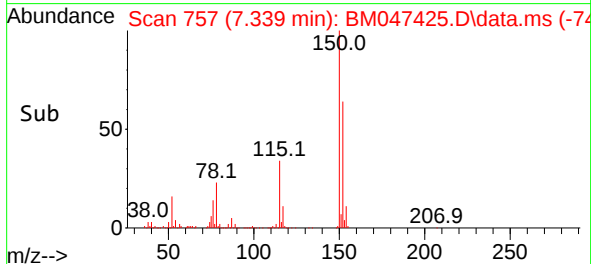
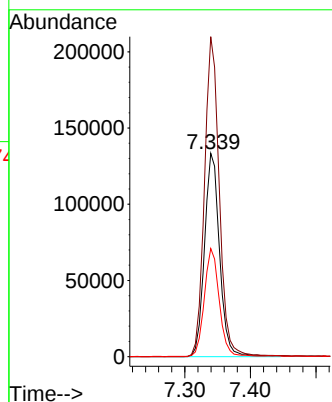
Tgt Ion:152 Resp: 213924

Ion Ratio Lower Upper

152 100

150 157.4 121.3 181.9

115 53.2 42.6 64.0



#5

2-Fluorophenol

Concen: 59.493 ng

RT: 5.004 min Scan# 360

Delta R.T. -0.000 min

Lab File: BM047425.D

Acq: 03 Sep 2024 14:45

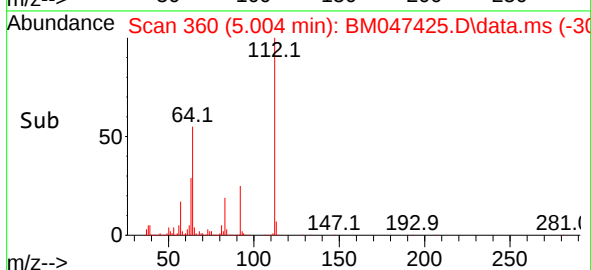
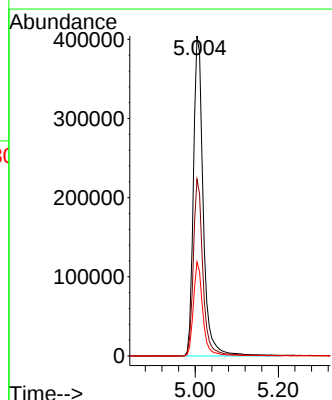
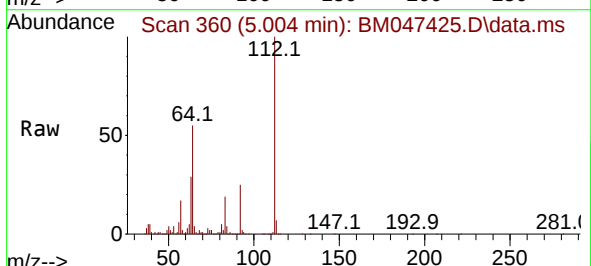
Tgt Ion:112 Resp: 663357

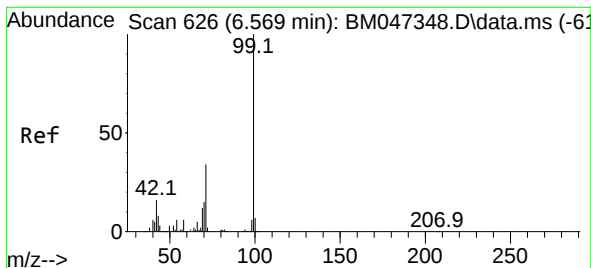
Ion Ratio Lower Upper

112 100

64 55.2 45.7 68.5

63 29.3 23.8 35.8





#7

Phenol-d6

Concen: 57.036 ng

RT: 6.569 min Scan# 61

Delta R.T. -0.000 min

Lab File: BM047425.D

Acq: 03 Sep 2024 14:45

Instrument :

BNA_M

ClientSampleId :

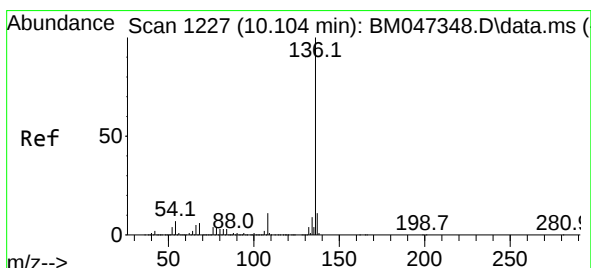
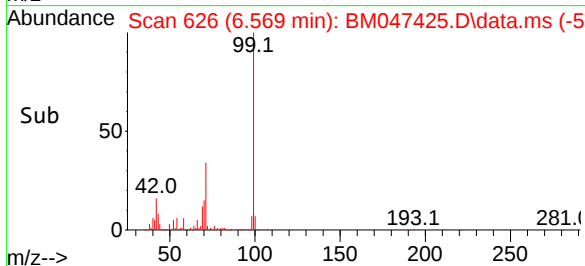
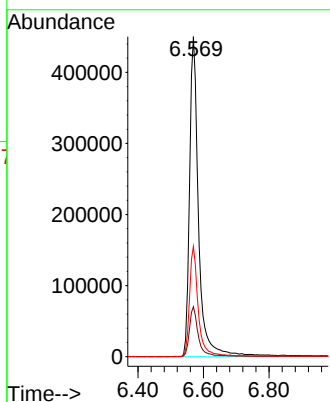
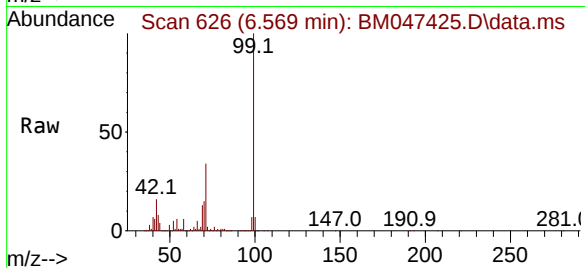
Tgt Ion: 99 Resp: 866359

Ion Ratio Lower Upper

99 100

42 15.6 13.0 19.4

71 34.5 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: BM047425.D

Acq: 03 Sep 2024 14:45

Tgt Ion: 136 Resp: 772016

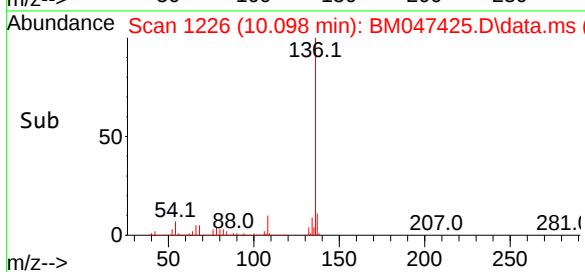
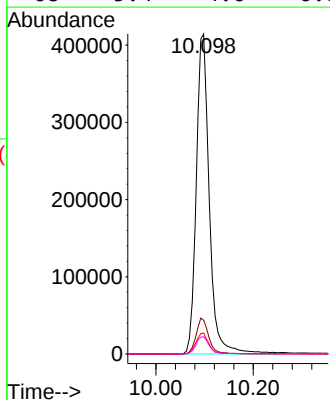
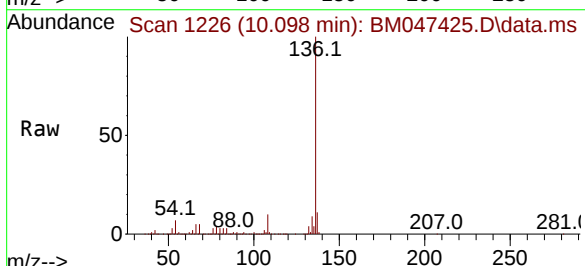
Ion Ratio Lower Upper

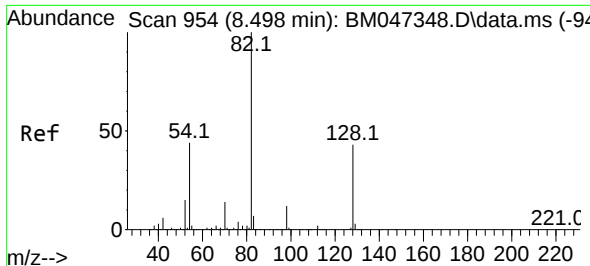
136 100

137 10.6 8.8 13.2

54 6.5 5.2 7.8

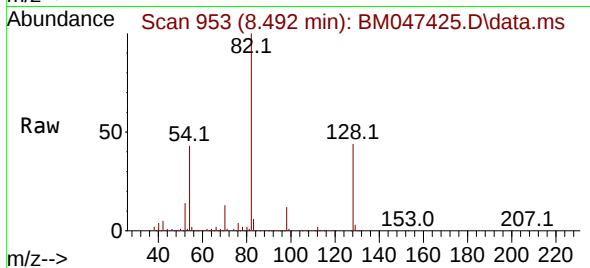
68 5.4 4.6 6.8



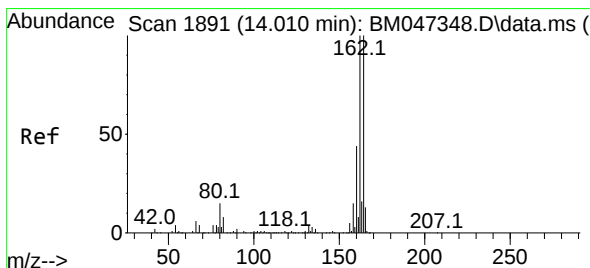
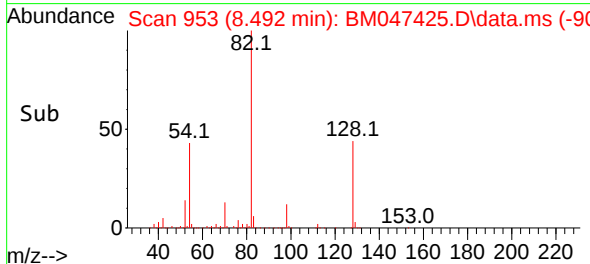
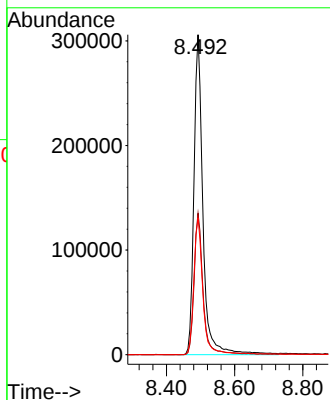


#23
Nitrobenzene-d5
Concen: 40.500 ng
RT: 8.492 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM047425.D
Acq: 03 Sep 2024 14:45

Instrument :
BNA_M
ClientSampleId :

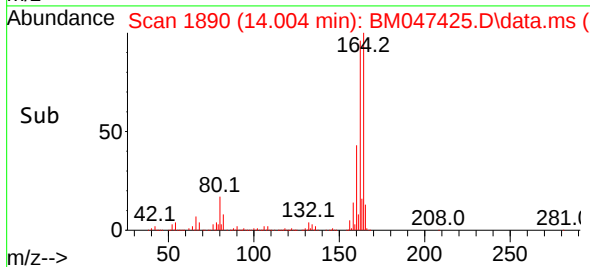
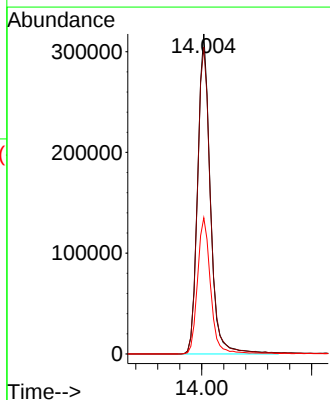
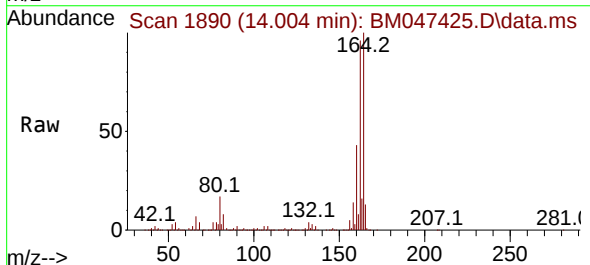


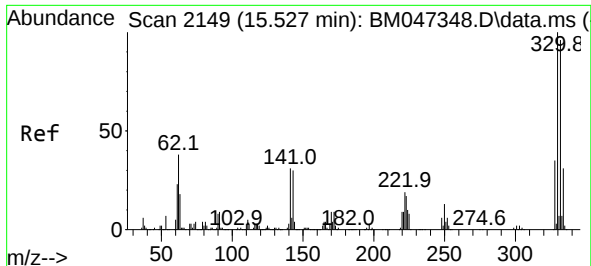
Tgt Ion: 82 Resp: 563511
Ion Ratio Lower Upper
82 100
128 44.2 34.6 51.8
54 42.7 35.5 53.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.004 min Scan# 1890
Delta R.T. -0.006 min
Lab File: BM047425.D
Acq: 03 Sep 2024 14:45

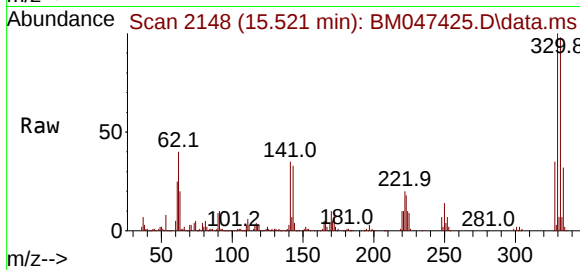
Tgt Ion: 164 Resp: 508580
Ion Ratio Lower Upper
164 100
162 95.8 79.7 119.5
160 42.5 34.9 52.3



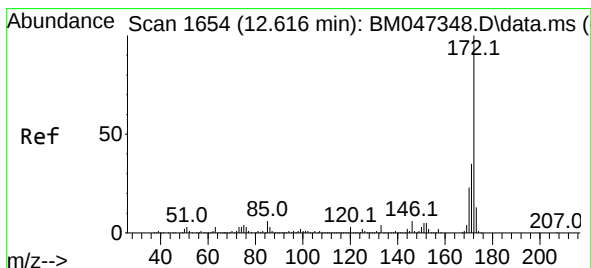
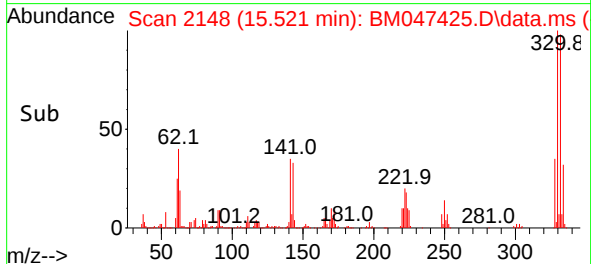
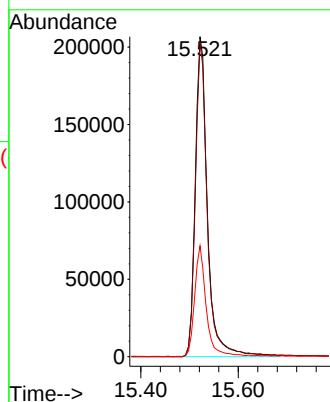


#42
2,4,6-Tribromophenol
Concen: 58.908 ng
RT: 15.521 min Scan# 2149
Delta R.T. -0.006 min
Lab File: BM047425.D
Acq: 03 Sep 2024 14:45

Instrument :
BNA_M
ClientSampleId :

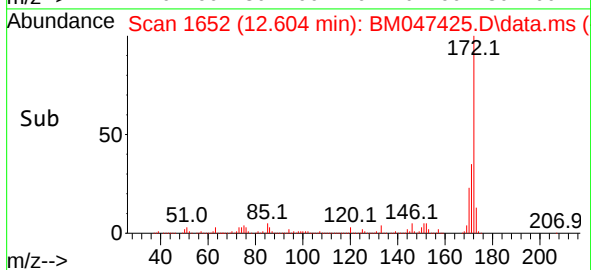
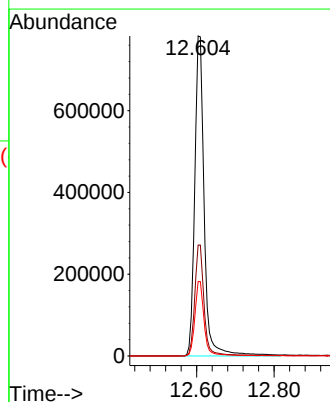
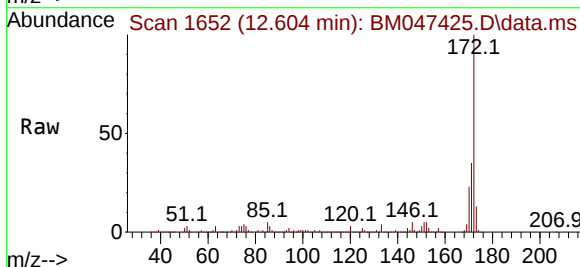


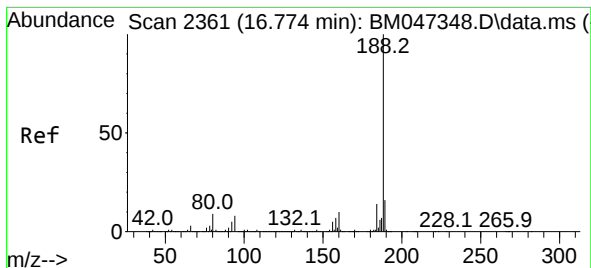
Tgt Ion:330 Resp: 361453
Ion Ratio Lower Upper
330 100
332 97.5 77.2 115.8
141 32.9 27.6 41.4



#45
2-Fluorobiphenyl
Concen: 40.219 ng
RT: 12.604 min Scan# 1652
Delta R.T. -0.012 min
Lab File: BM047425.D
Acq: 03 Sep 2024 14:45

Tgt Ion:172 Resp: 1331255
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: BM047425.D

Acq: 03 Sep 2024 14:45

Instrument :

BNA_M

ClientSampleId :

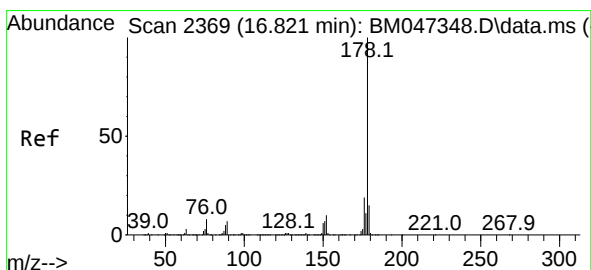
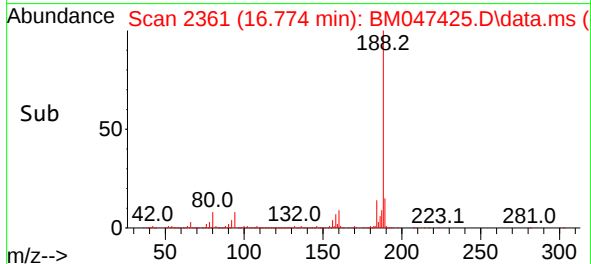
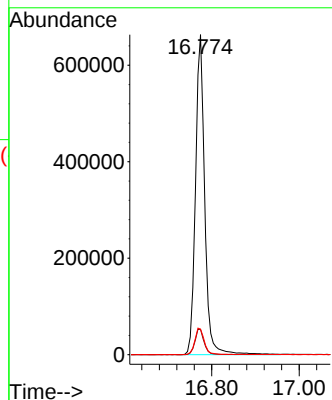
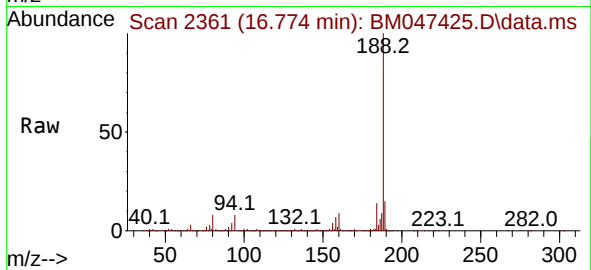
Tgt Ion:188 Resp: 973765

Ion Ratio Lower Upper

188 100

94 7.9 6.4 9.6

80 8.0 7.4 11.2



#71

Phenanthrene

Concen: 3.212 ng

RT: 16.815 min Scan# 2368

Delta R.T. -0.006 min

Lab File: BM047425.D

Acq: 03 Sep 2024 14:45

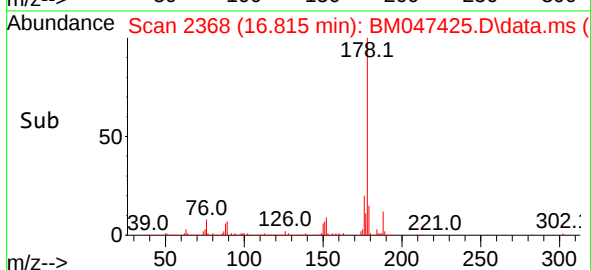
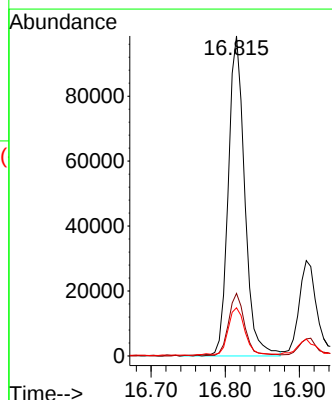
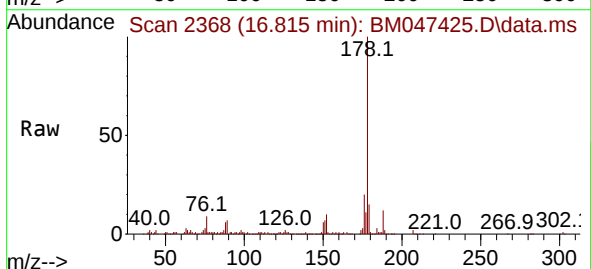
Tgt Ion:178 Resp: 151914

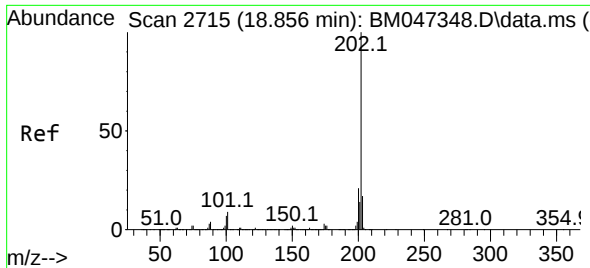
Ion Ratio Lower Upper

178 100

176 19.5 15.2 22.8

179 15.1 12.2 18.4

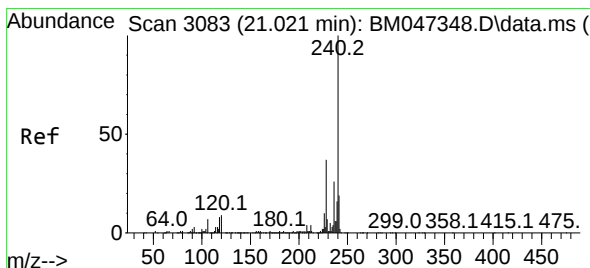
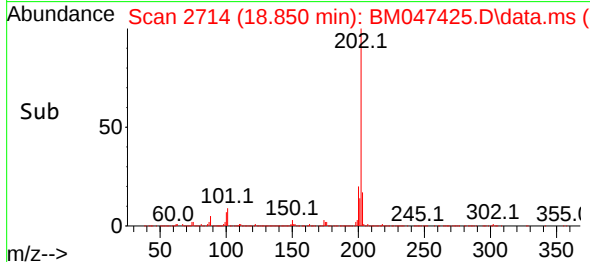
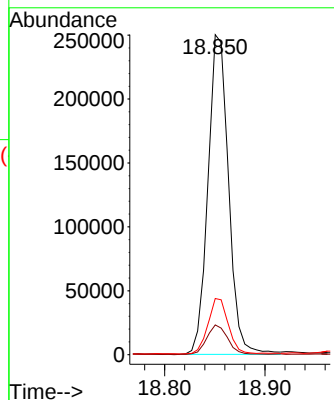
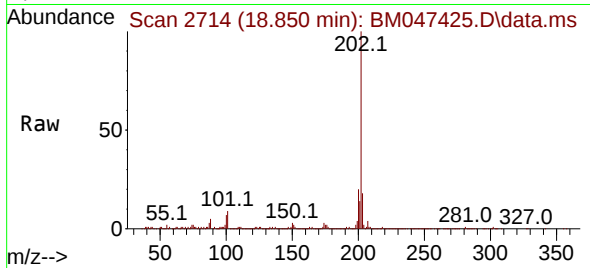




#75
Fluoranthene
Concen: 6.442 ng
RT: 18.850 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM047425.D
Acq: 03 Sep 2024 14:45

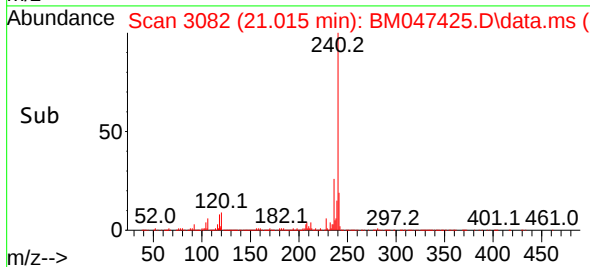
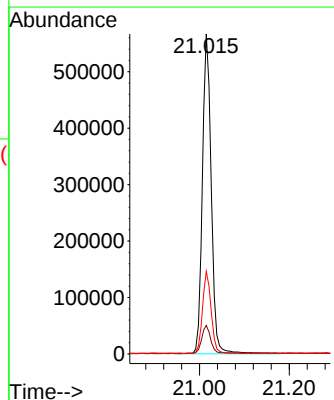
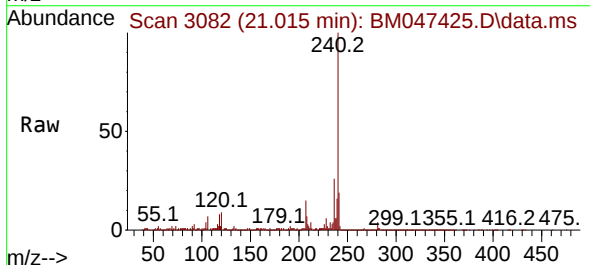
Instrument :
BNA_M
ClientSampleId :

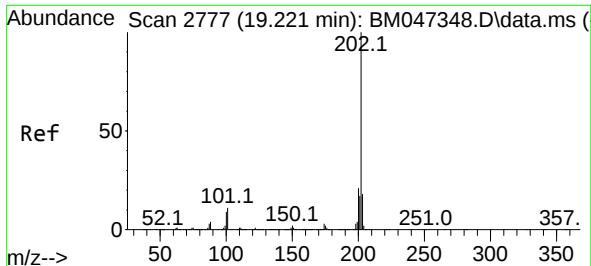
Tgt Ion:202 Resp: 357726
Ion Ratio Lower Upper
202 100
101 9.3 0.0 29.0
203 17.6 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.015 min Scan# 3082
Delta R.T. -0.006 min
Lab File: BM047425.D
Acq: 03 Sep 2024 14:45

Tgt Ion:240 Resp: 777318
Ion Ratio Lower Upper
240 100
120 8.9 7.4 11.0
236 25.8 20.8 31.2

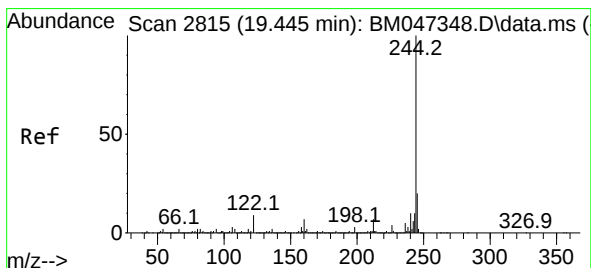
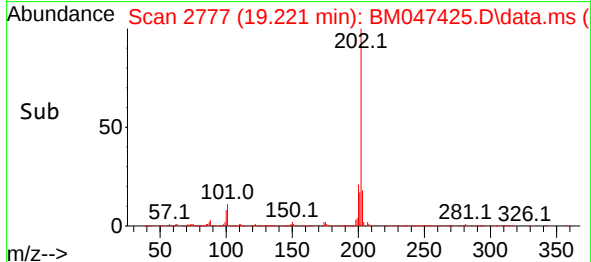
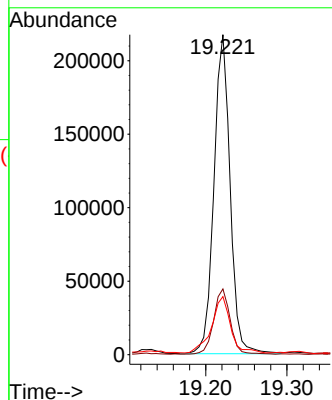
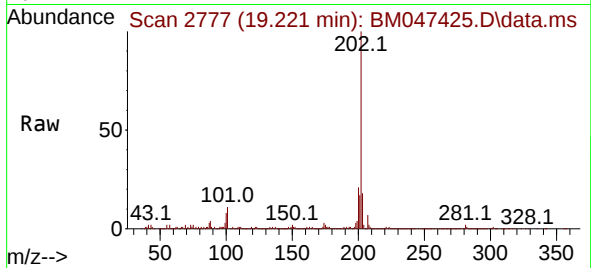




#78
 Pyrene
 Concen: 5.041 ng
 RT: 19.221 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BM047425.D
 Acq: 03 Sep 2024 14:45

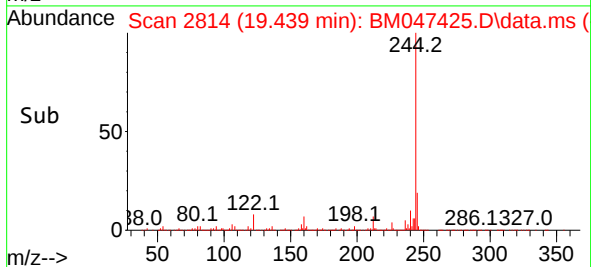
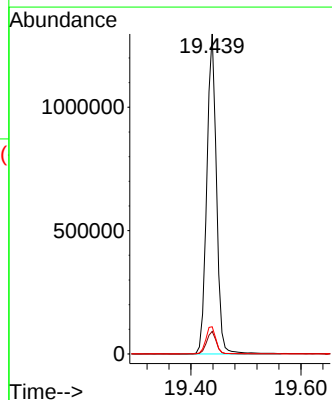
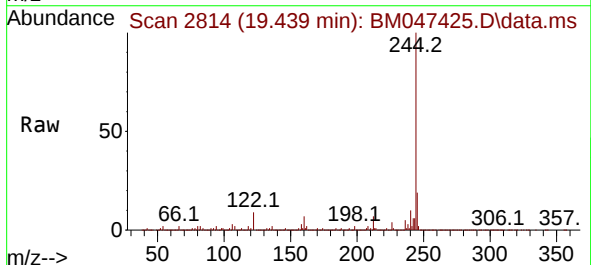
Instrument :
 BNA_M
 ClientSampleId :

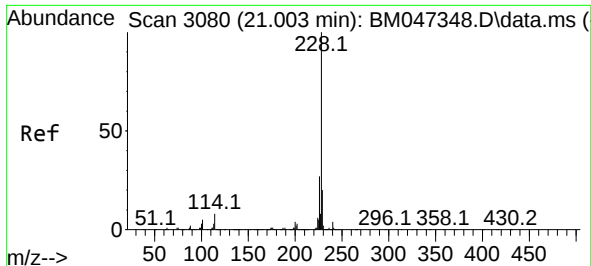
Tgt Ion:202 Resp: 300508
 Ion Ratio Lower Upper
 202 100
 200 20.5 16.7 25.1
 203 18.1 14.2 21.4



#79
 Terphenyl-d14
 Concen: 36.200 ng
 RT: 19.439 min Scan# 2814
 Delta R.T. -0.006 min
 Lab File: BM047425.D
 Acq: 03 Sep 2024 14:45

Tgt Ion:244 Resp: 1580863
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.0 9.0
 122 8.5 7.0 10.4

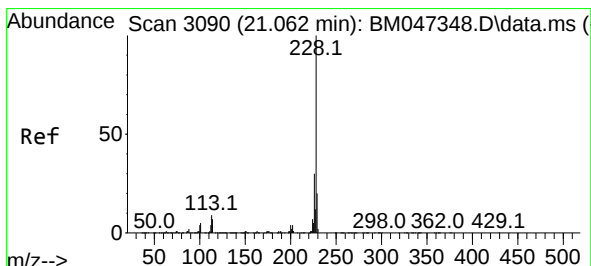
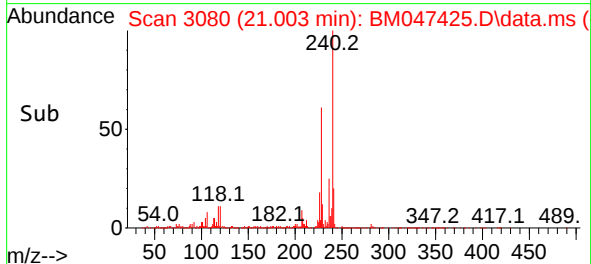
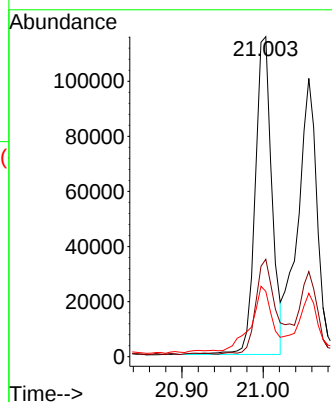
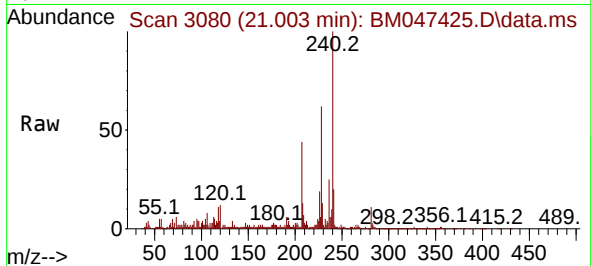




#81
Benzo(a)anthracene
Concen: 3.256 ng
RT: 21.003 min Scan# 3080
Delta R.T. -0.000 min
Lab File: BM047425.D
Acq: 03 Sep 2024 14:45

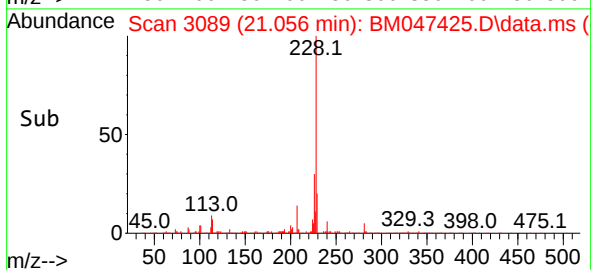
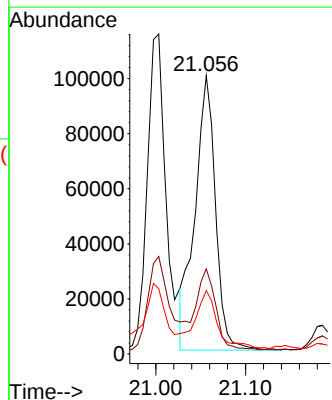
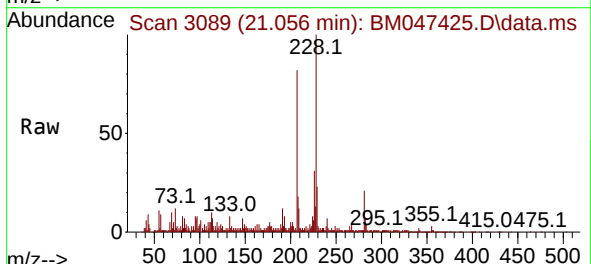
Instrument :
BNA_M
ClientSampleId :

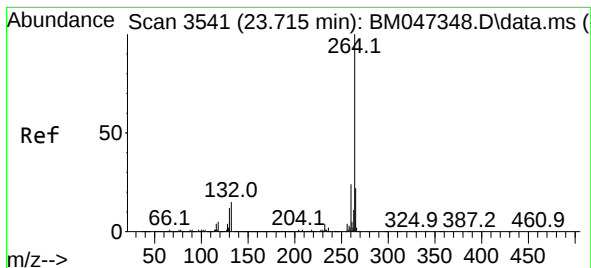
Tgt Ion:228 Resp: 165067
Ion Ratio Lower Upper
228 100
226 30.5 21.4 32.0
229 20.4 15.8 23.8



#83
Chrysene
Concen: 3.340 ng
RT: 21.056 min Scan# 3089
Delta R.T. -0.006 min
Lab File: BM047425.D
Acq: 03 Sep 2024 14:45

Tgt Ion:228 Resp: 159267
Ion Ratio Lower Upper
228 100
226 30.6 24.0 36.0
229 22.7 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.715 min Scan# 3

Delta R.T. -0.000 min

Lab File: BM047425.D

Acq: 03 Sep 2024 14:45

Instrument :

BNA_M

ClientSampleId :

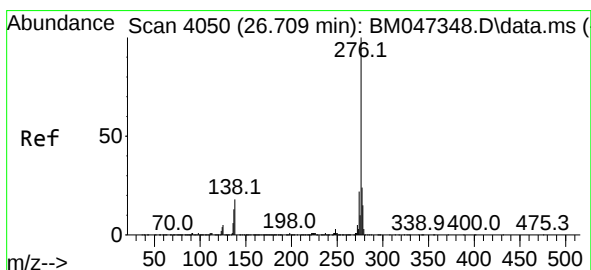
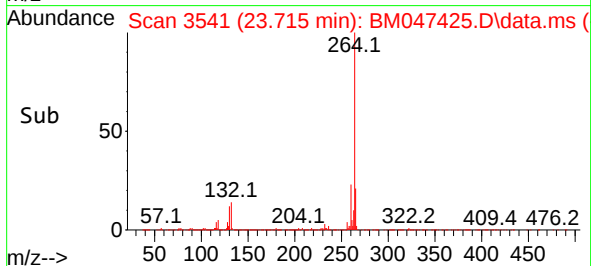
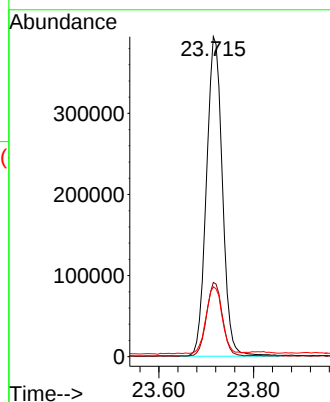
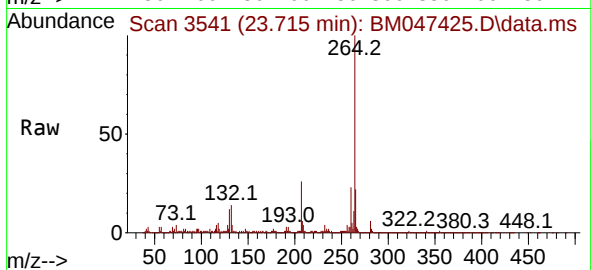
Tgt Ion:264 Resp: 923427

Ion Ratio Lower Upper

264 100

260 23.2 19.0 28.4

265 21.9 17.8 26.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.114 ng

RT: 26.726 min Scan# 4053

Delta R.T. 0.018 min

Lab File: BM047425.D

Acq: 03 Sep 2024 14:45

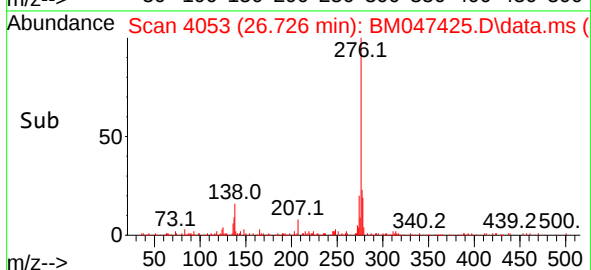
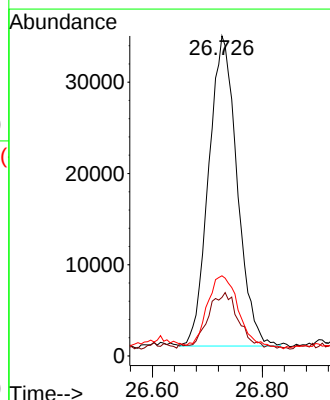
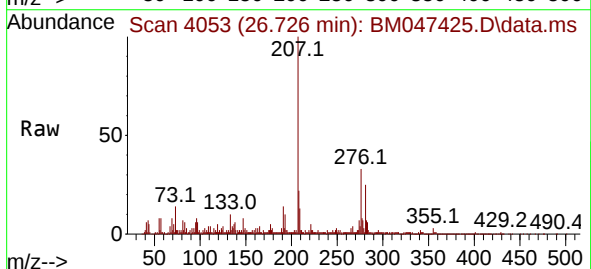
Tgt Ion:276 Resp: 122192

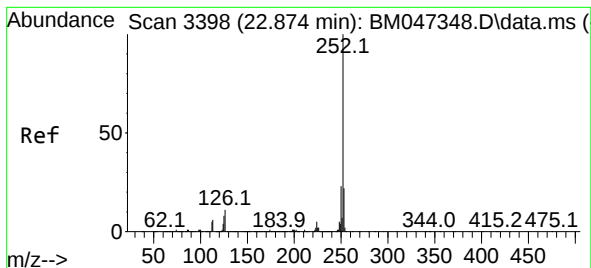
Ion Ratio Lower Upper

276 100

138 19.9 17.7 26.5

277 26.5 20.0 30.0





#88

Benzo(b)fluoranthene

Concen: 4.282 ng

RT: 22.874 min Scan# 3398

Delta R.T. -0.000 min

Lab File: BM047425.D

Acq: 03 Sep 2024 14:45

Instrument :

BNA_M

ClientSampleId :

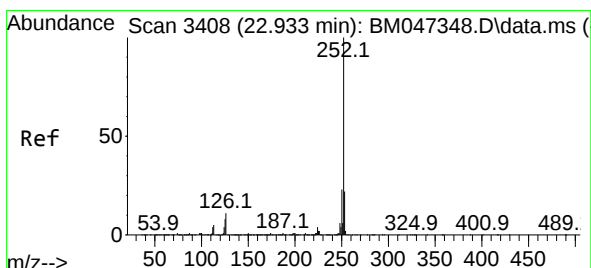
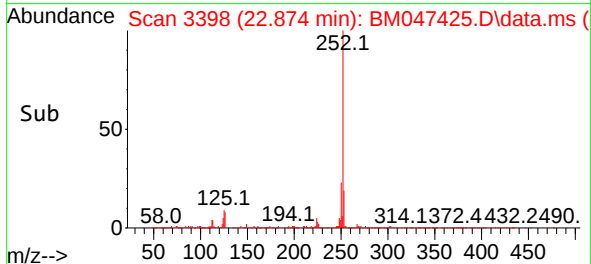
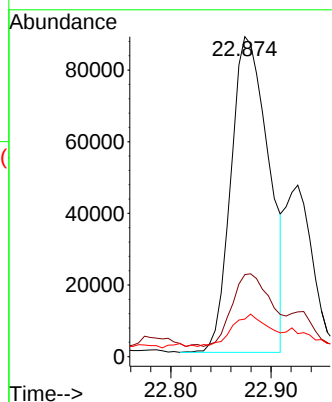
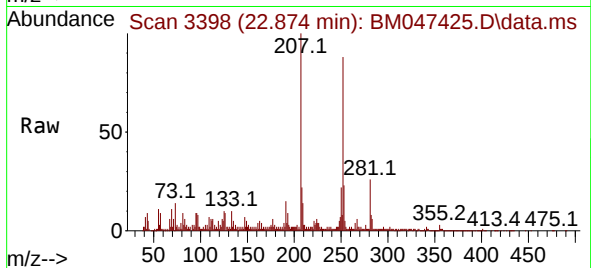
Tgt Ion:252 Resp: 230694

Ion Ratio Lower Upper

252 100

253 25.7 17.8 26.6

125 11.8 6.6 10.0#



#89

Benzo(k)fluoranthene

Concen: 4.517 ng

RT: 22.874 min Scan# 3398

Delta R.T. -0.059 min

Lab File: BM047425.D

Acq: 03 Sep 2024 14:45

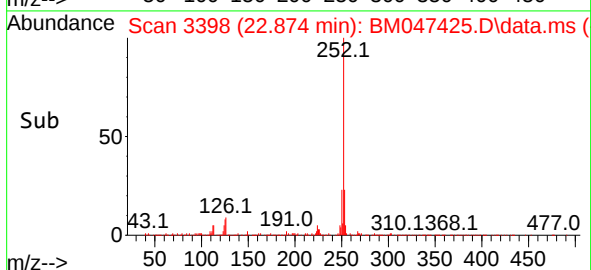
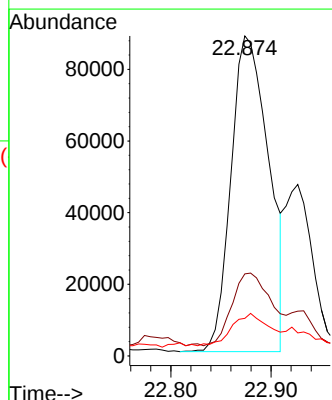
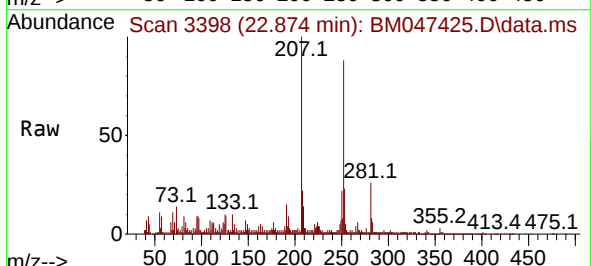
Tgt Ion:252 Resp: 230694

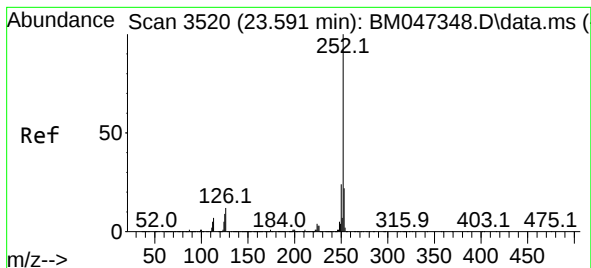
Ion Ratio Lower Upper

252 100

253 25.7 17.5 26.3

125 11.8 6.6 9.8#





#90

Benzo(a)pyrene

Concen: 3.498 ng

RT: 23.591 min Scan# 31

Delta R.T. -0.000 min

Lab File: BM047425.D

Acq: 03 Sep 2024 14:45

Instrument :

BNA_M

ClientSampleId :

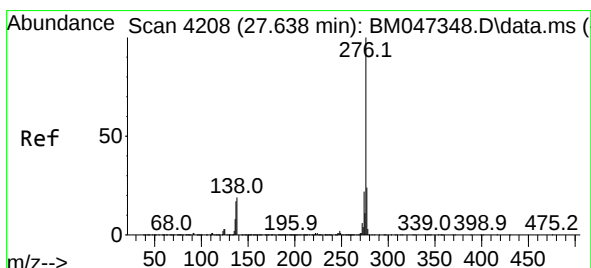
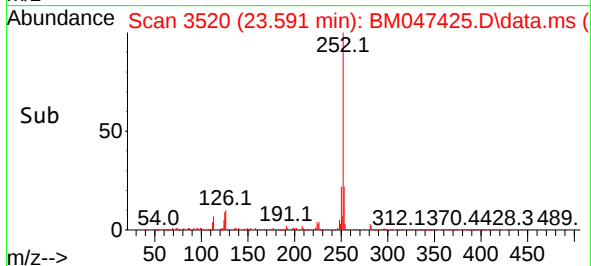
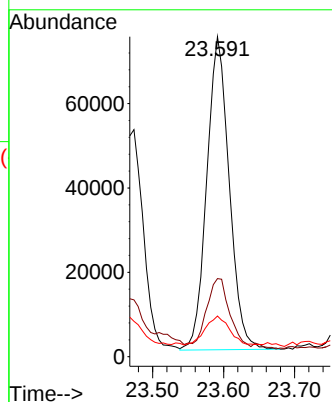
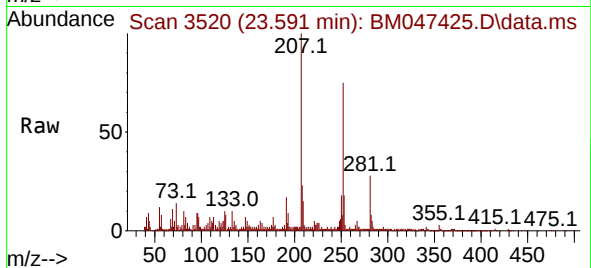
Tgt Ion:252 Resp: 162971

Ion Ratio Lower Upper

252 100

253 24.4 17.7 26.5

125 12.7 7.4 11.2#



#92

Benzo(g,h,i)perylene

Concen: 2.484 ng

RT: 27.668 min Scan# 4213

Delta R.T. 0.029 min

Lab File: BM047425.D

Acq: 03 Sep 2024 14:45

Tgt Ion:276 Resp: 120933

Ion Ratio Lower Upper

276 100

277 25.5 19.4 29.0

138 20.3 15.0 22.6

