

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082224\
 Data File : BM047322.D
 Acq On : 22 Aug 2024 18:29
 Operator : RC/JU
 Sample : P3671-08
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 S-905-J-SO-0.5-1.0-081924

Quant Time: Aug 23 02:40:32 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

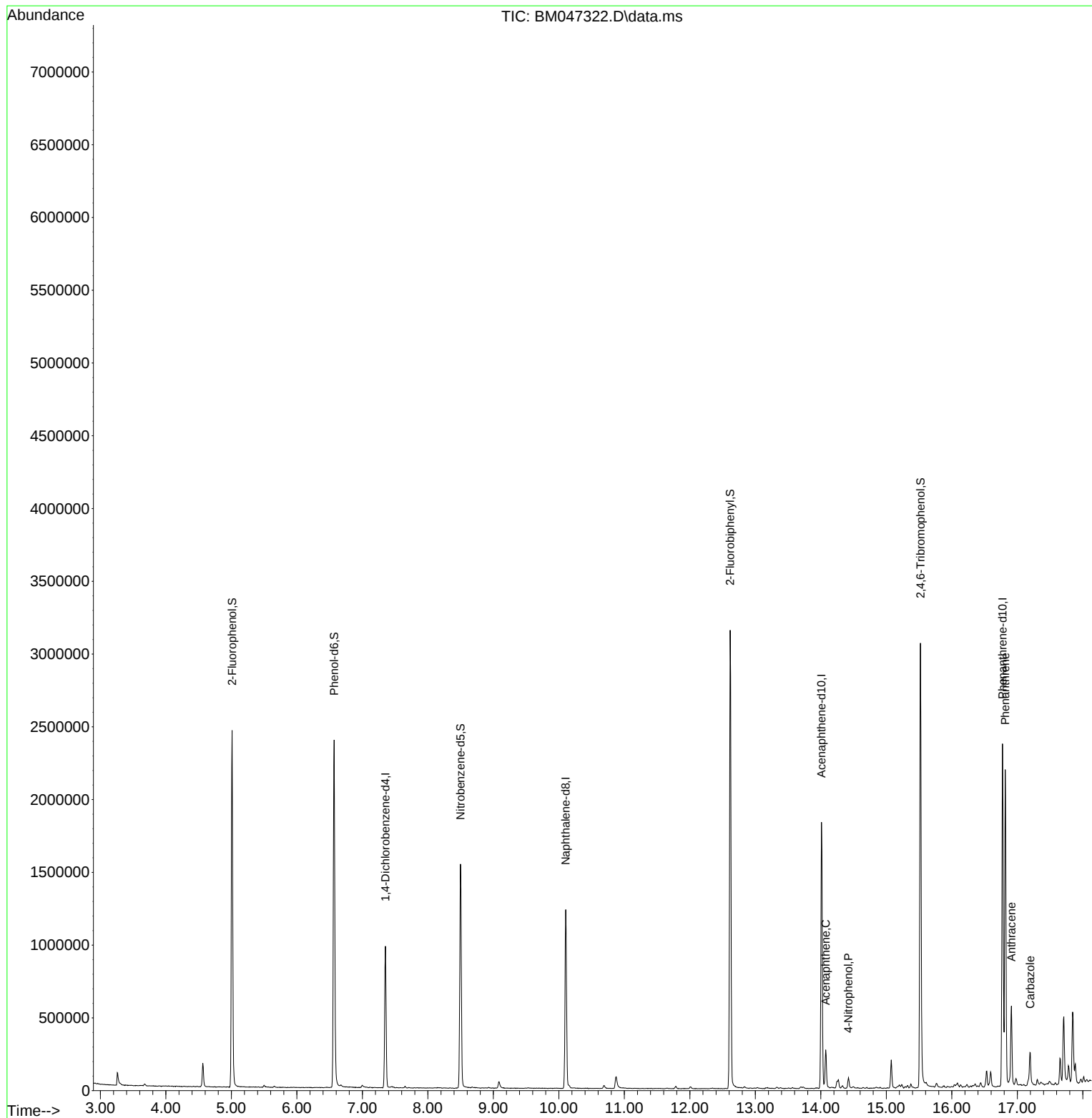
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.351	152	265711	20.000	ng	-0.02
21) Naphthalene-d8	10.104	136	1004297	20.000	ng	-0.03
39) Acenaphthene-d10	14.010	164	664742	20.000	ng	-0.02
64) Phenanthrene-d10	16.774	188	1391490	20.000	ng	-0.02
76) Chrysene-d12	21.021	240	1222867	20.000	ng	-0.01
86) Perylene-d12	23.709	264	1213445	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.010	112	1065207	71.633	ng	-0.01
7) Phenol-d6	6.569	99	1414544	69.035	ng	-0.02
23) Nitrobenzene-d5	8.498	82	912386	45.745	ng	-0.02
42) 2,4,6-Tribromophenol	15.522	330	590126	76.562	ng	-0.02
45) 2-Fluorobiphenyl	12.616	172	1735293	40.267	ng	-0.03
79) Terphenyl-d14	19.445	244	2555748	44.783	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.510	77	469	Below Cal	Qvalue	# 32
52) Acenaphthene	14.075	154	90060	2.604	ng	98
56) 4-Nitrophenol	14.422	139	18846	2.010	ng	# 8
71) Phenanthrene	16.816	178	1328548	19.025	ng	100
72) Anthracene	16.910	178	318316	4.685	ng	99
73) Carbazole	17.198	167	156999	2.263	ng	99
75) Fluoranthene	18.857	202	3697841	43.535	ng	99
78) Pyrene	19.221	202	3512349	40.226	ng	99
81) Benzo(a)anthracene	21.004	228	2601641	32.047	ng	99
83) Chrysene	21.057	228	2056904	26.705	ng	97
87) Indeno(1,2,3-cd)pyrene	26.691	276	829574	10.577	ng	# 94
88) Benzo(b)fluoranthene	22.874	252	2568508	35.643	ng	99
89) Benzo(k)fluoranthene	22.874	252	2568508	37.736	ng	99
90) Benzo(a)pyrene	23.586	252	1774318	28.423	ng	97
91) Dibenzo(a,h)anthracene	26.727	278	220194	3.469	ng	95
92) Benzo(g,h,i)perylene	27.621	276	725247	11.005	ng	98

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

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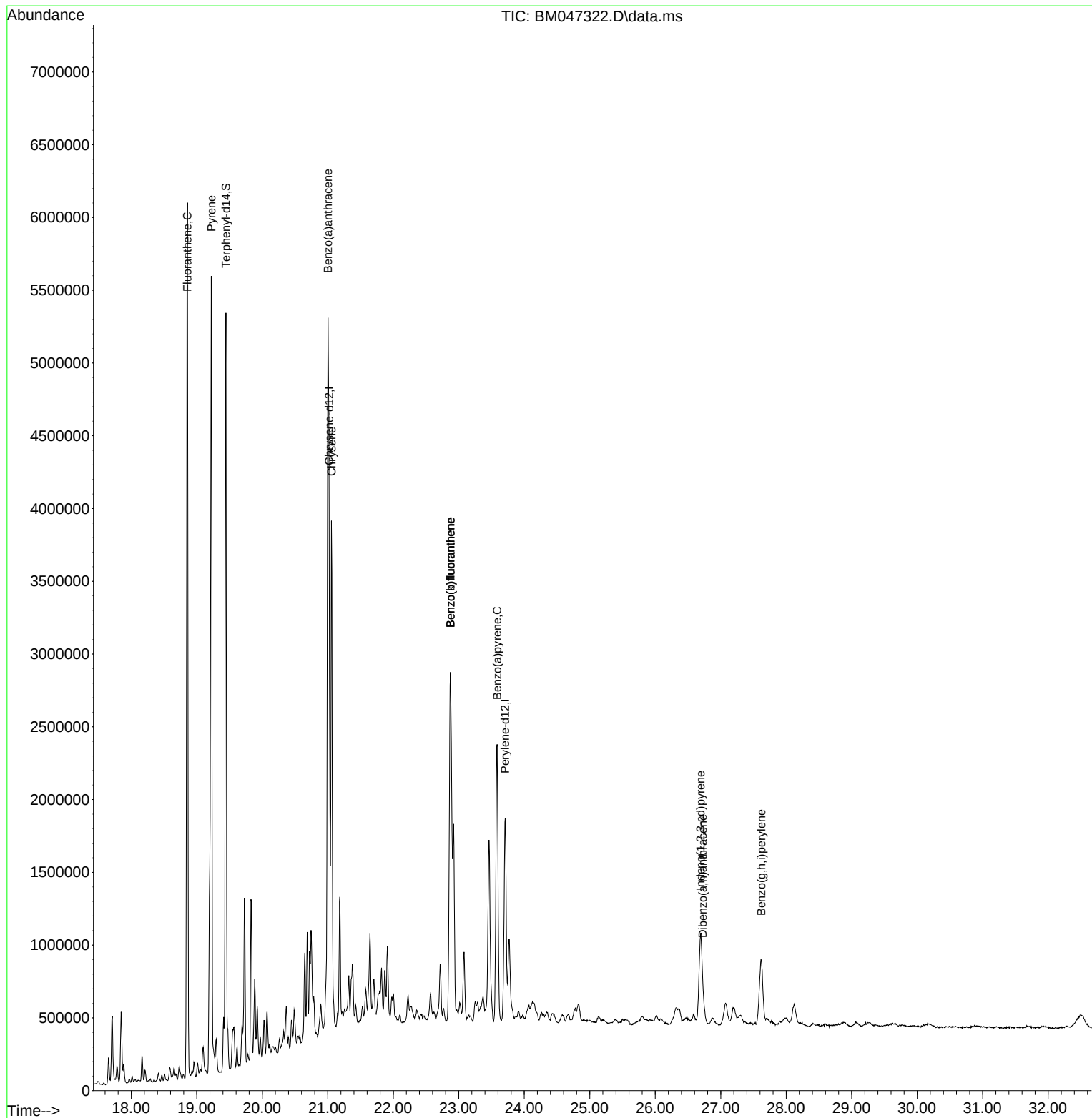
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
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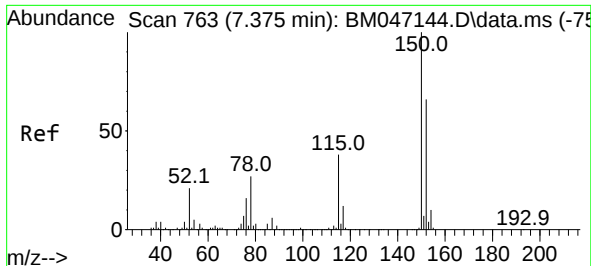


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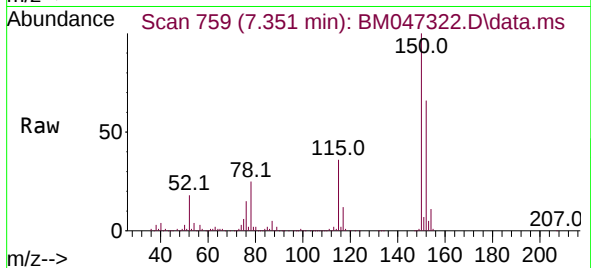
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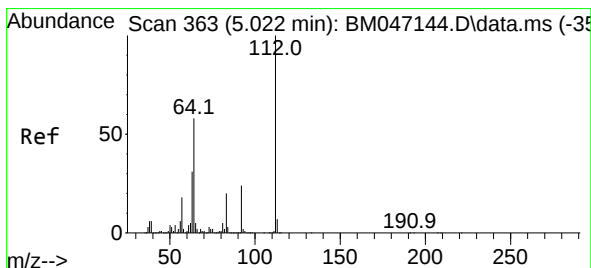
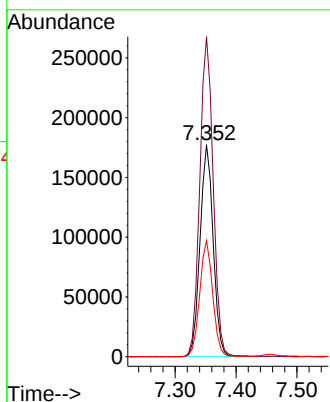
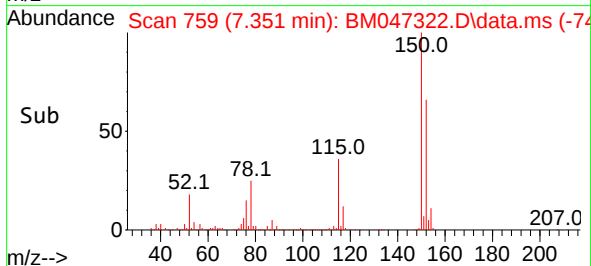


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.351 min Scan# 71
Delta R.T. -0.024 min
Lab File: BM047322.D
Acq: 22 Aug 2024 18:29

Instrument :
BNA_M
ClientSampleId :
S-905-J-SO-0.5-1.0-081924

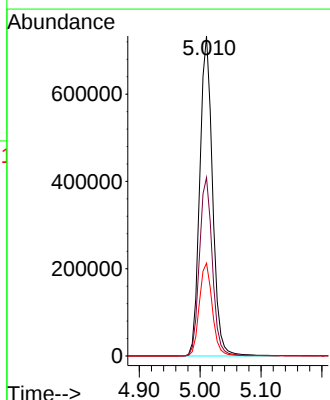
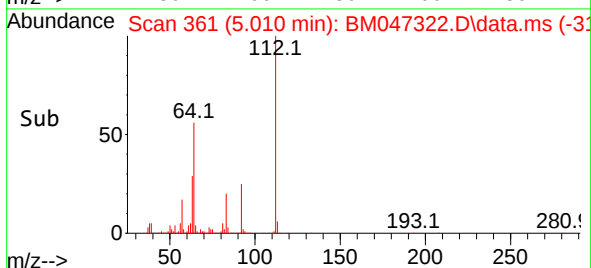
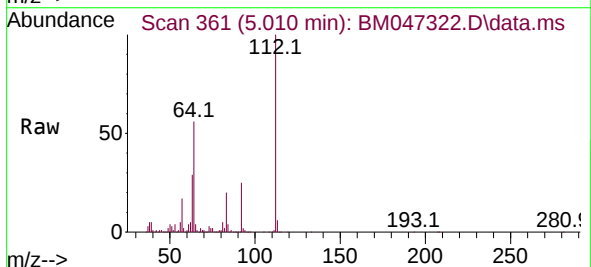


Tgt Ion:152 Resp: 265711
Ion Ratio Lower Upper
152 100
150 151.0 120.5 180.7
115 54.7 45.5 68.3



#5
2-Fluorophenol
Concen: 71.633 ng
RT: 5.010 min Scan# 361
Delta R.T. -0.012 min
Lab File: BM047322.D
Acq: 22 Aug 2024 18:29

Tgt Ion:112 Resp: 1065207
Ion Ratio Lower Upper
112 100
64 55.8 46.7 70.1
63 29.0 24.8 37.2

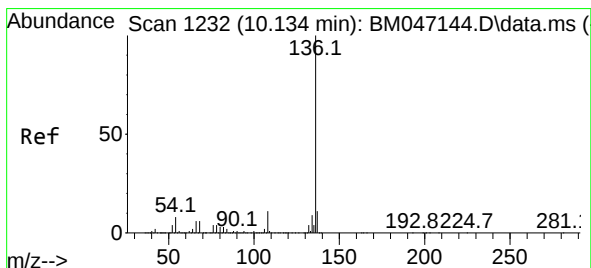
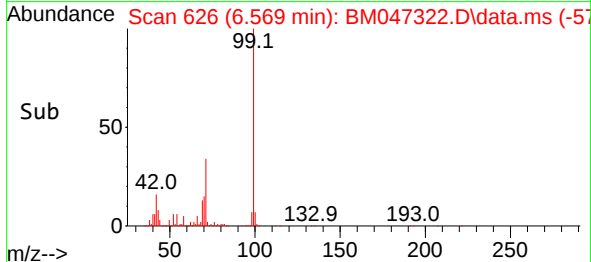
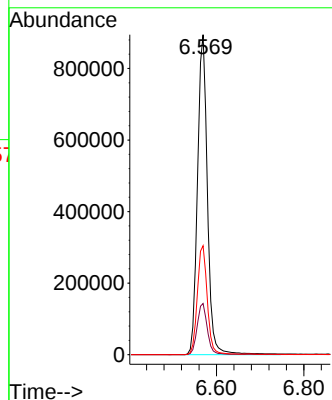
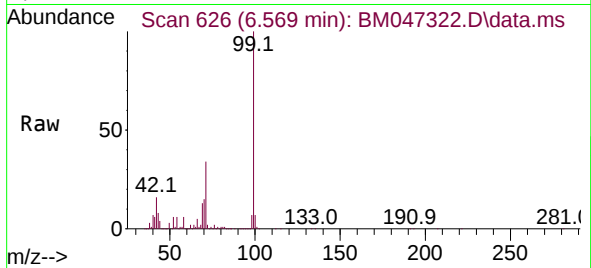




#7
Phenol-d6
Concen: 69.035 ng
RT: 6.569 min Scan# 61
Delta R.T. -0.018 min
Lab File: BM047322.D
Acq: 22 Aug 2024 18:29

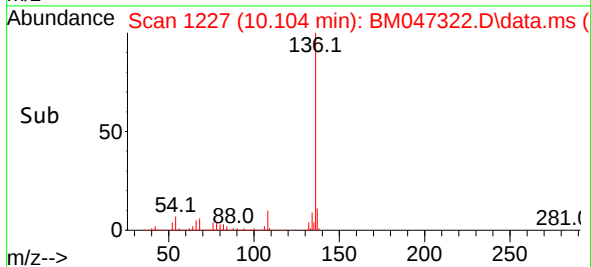
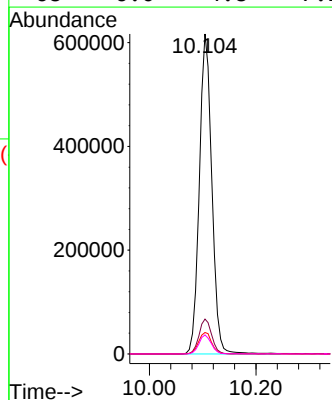
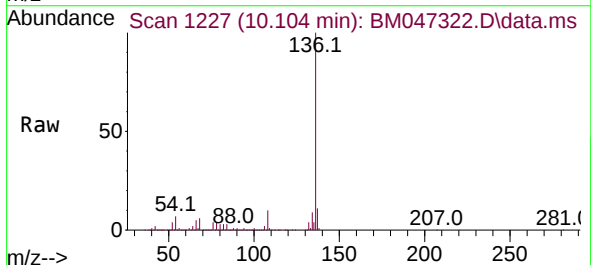
Instrument :
BNA_M
ClientSampleId :
S-905-J-SO-0.5-1.0-081924

Tgt Ion: 99 Resp: 1414544
Ion Ratio Lower Upper
99 100
42 16.0 14.1 21.1
71 34.0 28.5 42.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.104 min Scan# 1227
Delta R.T. -0.029 min
Lab File: BM047322.D
Acq: 22 Aug 2024 18:29

Tgt Ion: 136 Resp: 1004297
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 6.7 6.0 9.0
68 6.0 4.8 7.2

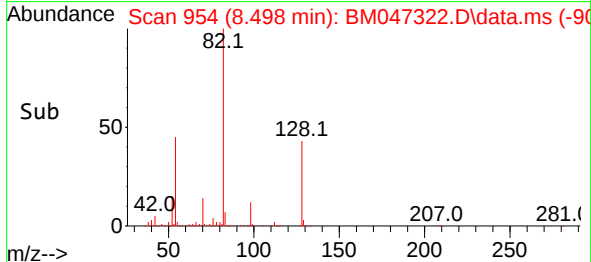
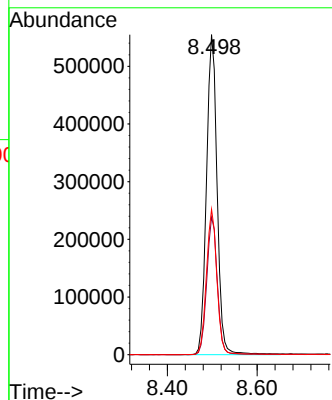
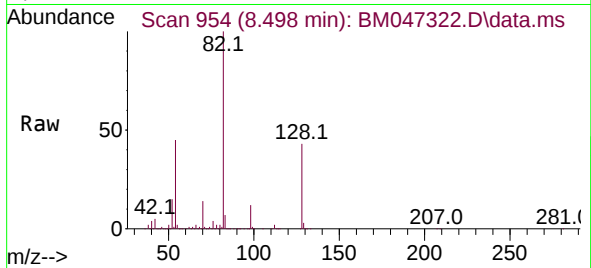




#23
Nitrobenzene-d5
Concen: 45.745 ng
RT: 8.498 min Scan# 91
Delta R.T. -0.024 min
Lab File: BM047322.D
Acq: 22 Aug 2024 18:29

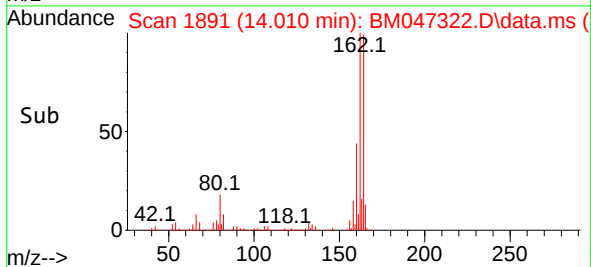
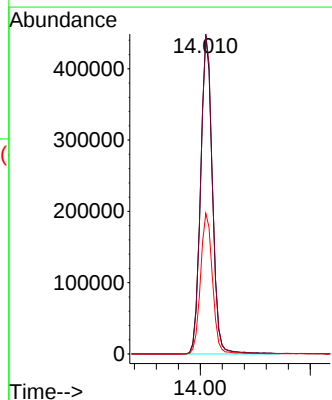
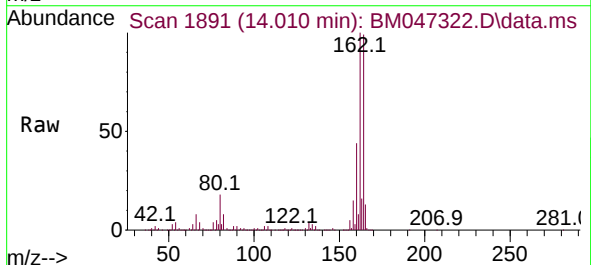
Instrument :
BNA_M
ClientSampleId :
S-905-J-SO-0.5-1.0-081924

Tgt Ion: 82 Resp: 912386
Ion Ratio Lower Upper
82 100
128 43.0 32.3 48.5
54 45.4 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: BM047322.D
Acq: 22 Aug 2024 18:29

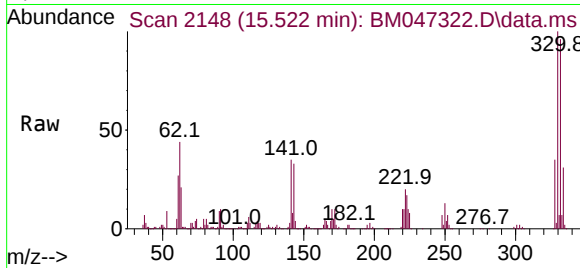
Tgt Ion: 164 Resp: 664742
Ion Ratio Lower Upper
164 100
162 100.7 80.7 121.1
160 44.3 36.0 54.0



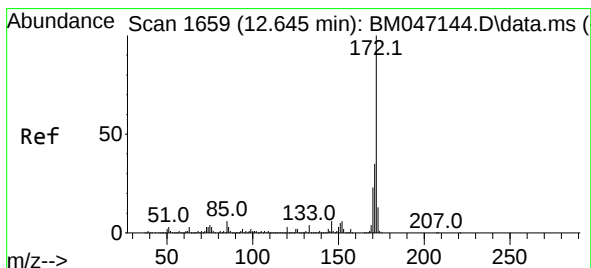
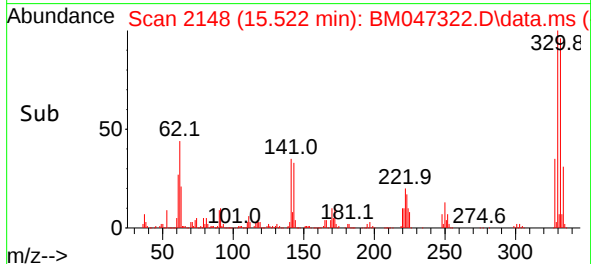
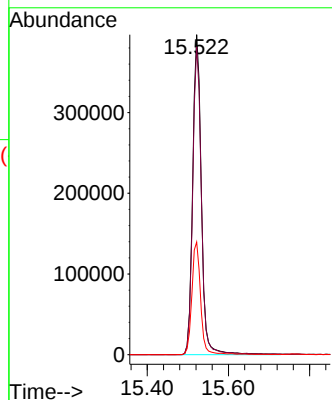


#42
2,4,6-Tribromophenol
Concen: 76.562 ng
RT: 15.522 min Scan# 2151
Delta R.T. -0.018 min
Lab File: BM047322.D
Acq: 22 Aug 2024 18:29

Instrument :
BNA_M
ClientSampleId :
S-905-J-SO-0.5-1.0-081924

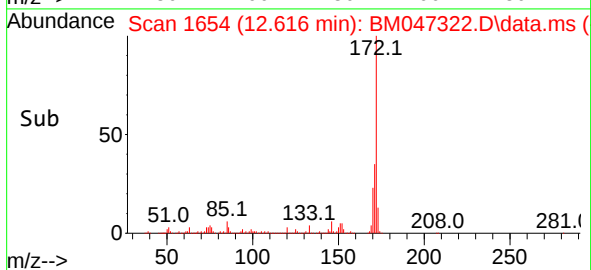
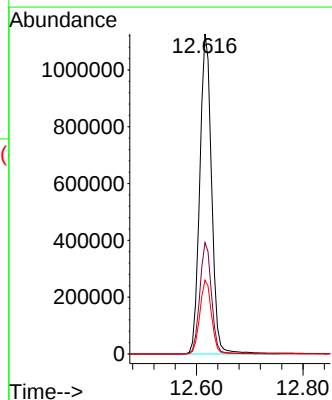
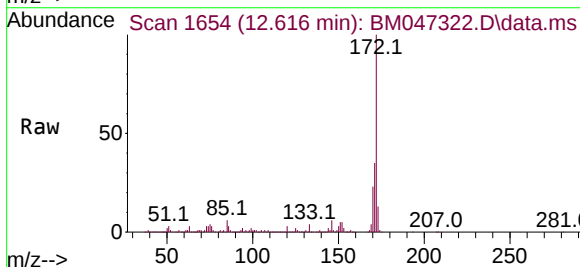


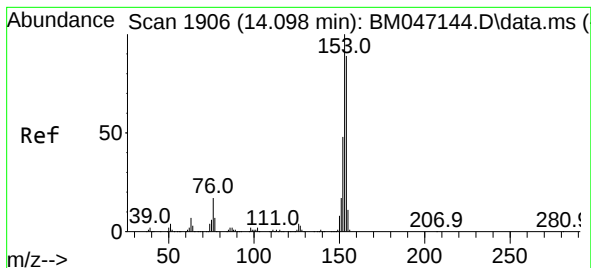
Tgt Ion:330 Resp: 590126
Ion Ratio Lower Upper
330 100
332 95.7 77.4 116.2
141 35.3 31.6 47.4



#45
2-Fluorobiphenyl
Concen: 40.267 ng
RT: 12.616 min Scan# 1654
Delta R.T. -0.029 min
Lab File: BM047322.D
Acq: 22 Aug 2024 18:29

Tgt Ion:172 Resp: 1735293
Ion Ratio Lower Upper
172 100
171 34.8 27.8 41.6
170 23.0 18.7 28.1





#52

Acenaphthene

Concen: 2.604 ng

RT: 14.075 min Scan# 1906

Delta R.T. -0.024 min

Lab File: BM047322.D

Acq: 22 Aug 2024 18:29

Instrument :

BNA_M

ClientSampleId :

S-905-J-SO-0.5-1.0-081924

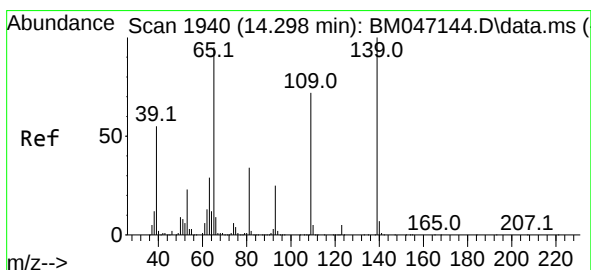
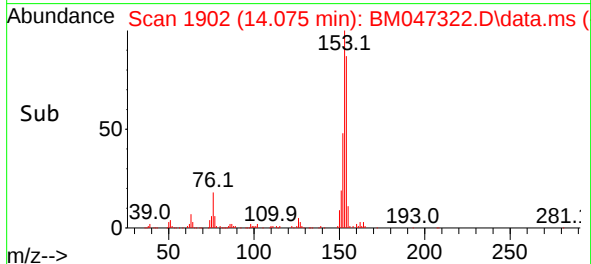
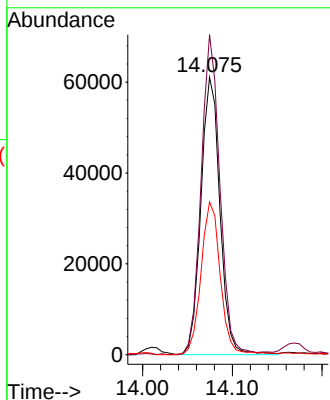
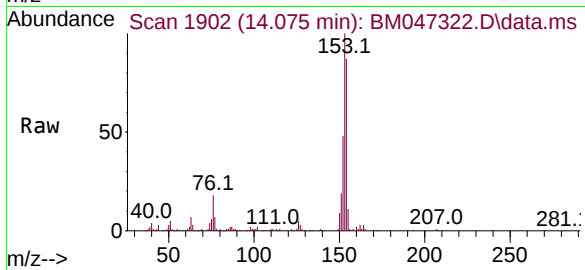
Tgt Ion:154 Resp: 90060

Ion Ratio Lower Upper

154 100

153 115.4 90.3 135.5

152 55.1 42.9 64.3



#56

4-Nitrophenol

Concen: 2.010 ng

RT: 14.422 min Scan# 1961

Delta R.T. 0.124 min

Lab File: BM047322.D

Acq: 22 Aug 2024 18:29

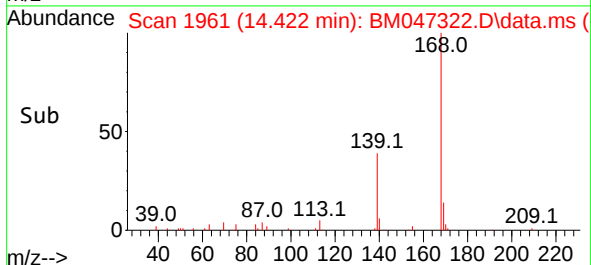
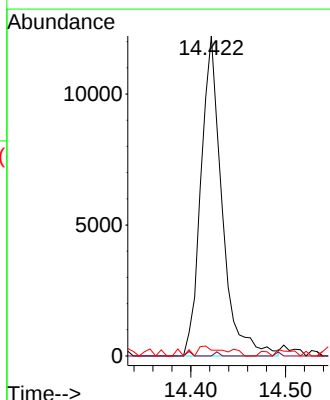
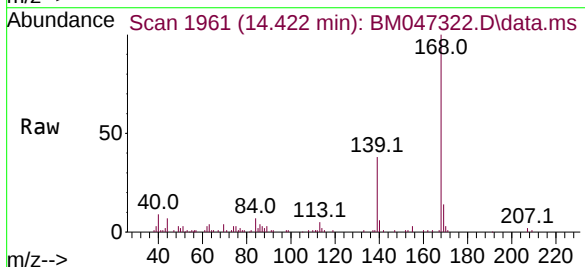
Tgt Ion:139 Resp: 18846

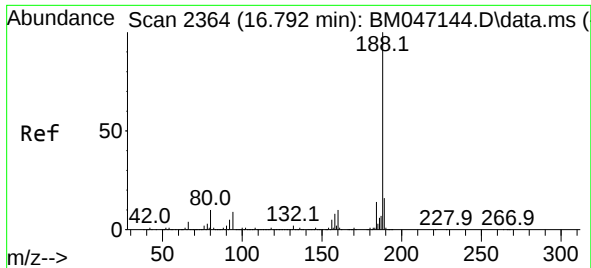
Ion Ratio Lower Upper

139 100

109 0.0 52.5 92.5#

65 1.8 75.4 115.4#

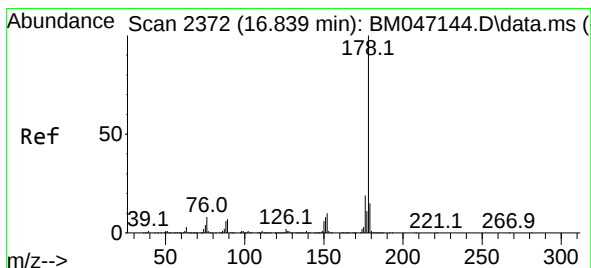
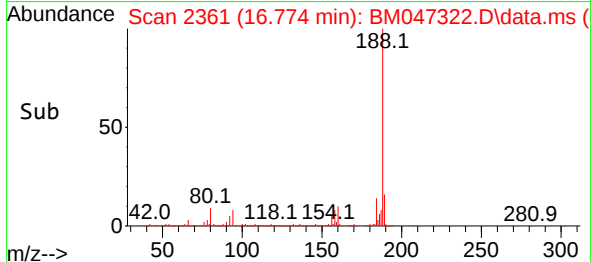
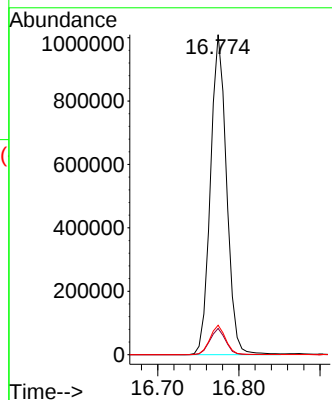
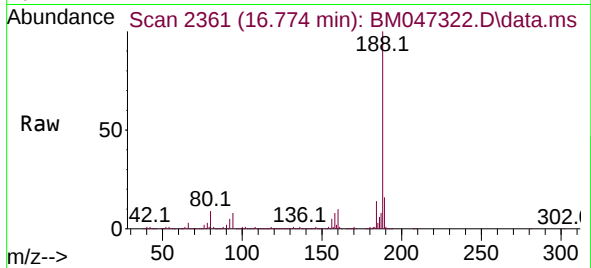




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.774 min Scan# 21
Delta R.T. -0.018 min
Lab File: BM047322.D
Acq: 22 Aug 2024 18:29

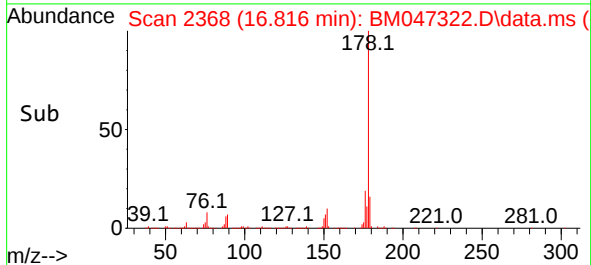
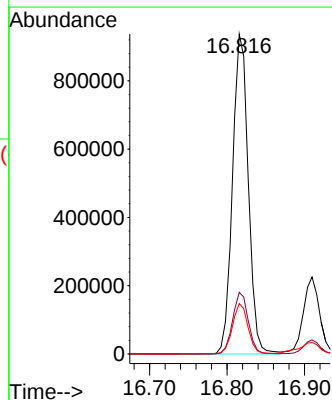
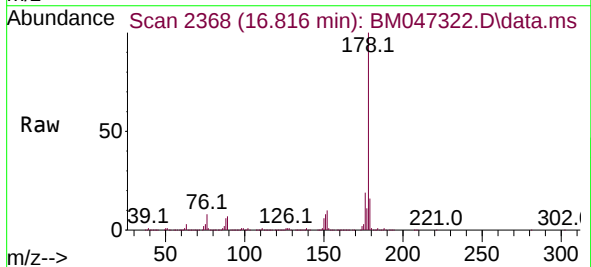
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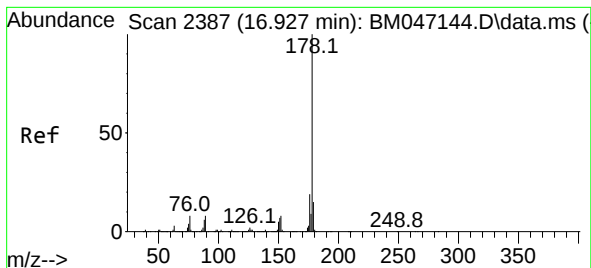
Tgt Ion:188 Resp: 1391490
Ion Ratio Lower Upper
188 100
94 8.2 7.0 10.6
80 9.2 8.0 12.0



#71
Phenanthrene
Concen: 19.025 ng
RT: 16.816 min Scan# 2368
Delta R.T. -0.024 min
Lab File: BM047322.D
Acq: 22 Aug 2024 18:29

Tgt Ion:178 Resp: 1328548
Ion Ratio Lower Upper
178 100
176 19.2 15.3 22.9
179 15.8 12.4 18.6





#72

Anthracene

Concen: 4.685 ng

RT: 16.910 min Scan# 21

Delta R.T. -0.018 min

Lab File: BM047322.D

Acq: 22 Aug 2024 18:29

Instrument :

BNA_M

ClientSampleId :

S-905-J-SO-0.5-1.0-081924

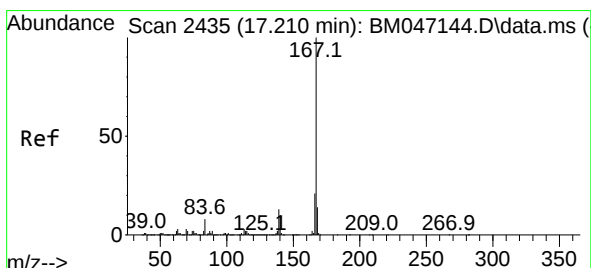
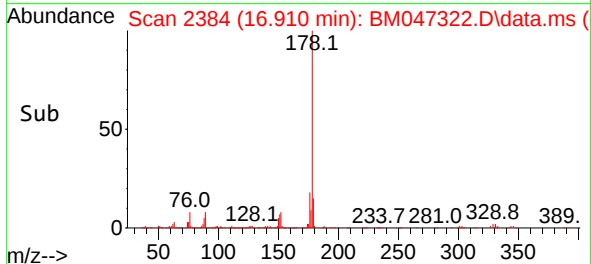
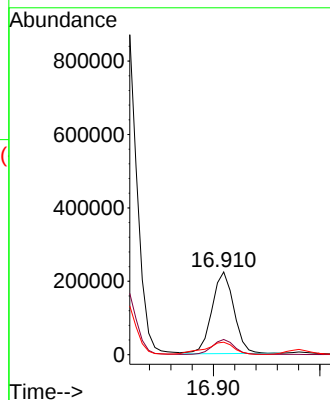
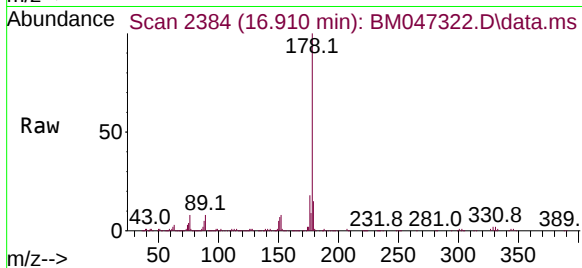
Tgt Ion:178 Resp: 318316

Ion Ratio Lower Upper

178 100

176 18.4 14.8 22.2

179 15.1 12.4 18.6



#73

Carbazole

Concen: 2.263 ng

RT: 17.198 min Scan# 2433

Delta R.T. -0.012 min

Lab File: BM047322.D

Acq: 22 Aug 2024 18:29

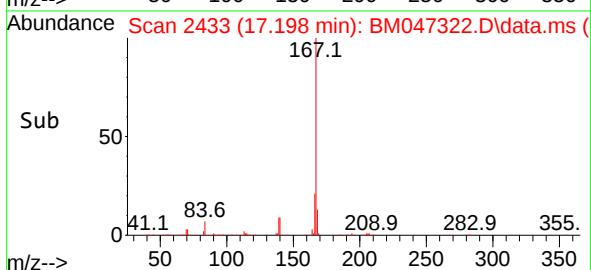
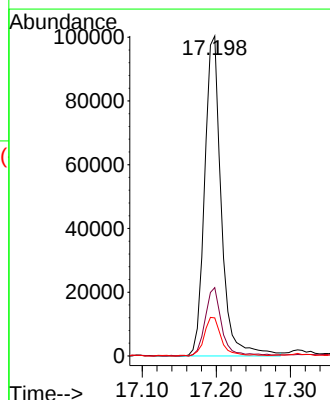
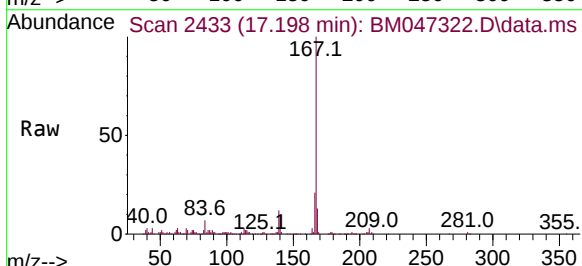
Tgt Ion:167 Resp: 156999

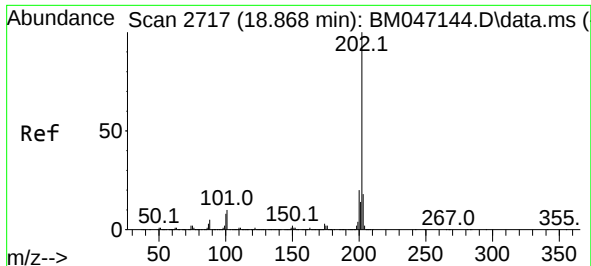
Ion Ratio Lower Upper

167 100

166 21.4 17.1 25.7

139 11.9 10.0 15.0

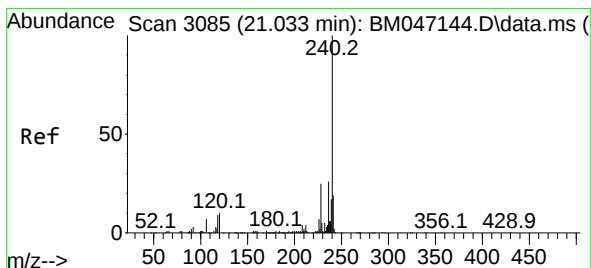
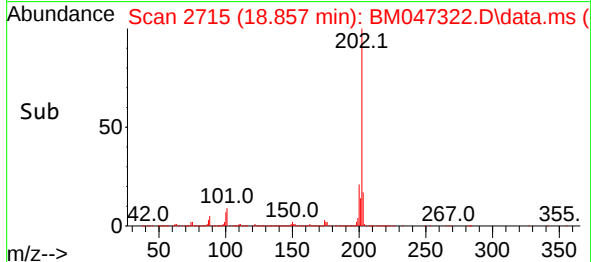
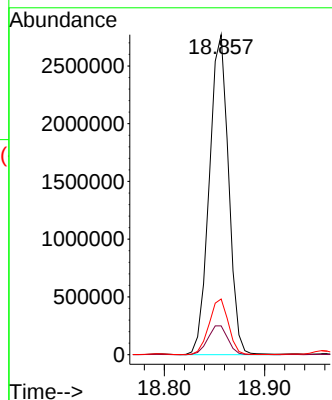
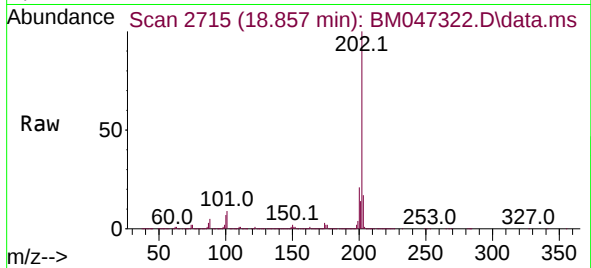




#75
Fluoranthene
Concen: 43.535 ng
RT: 18.857 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM047322.D
Acq: 22 Aug 2024 18:29

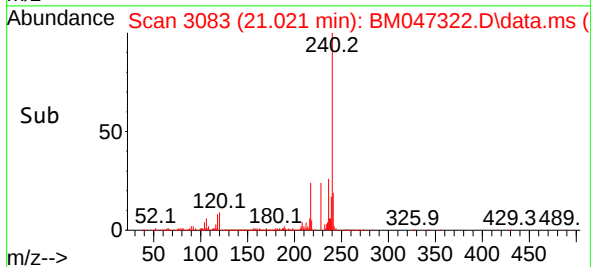
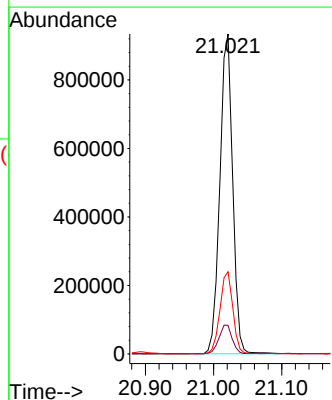
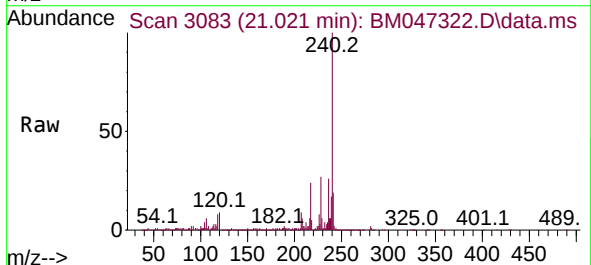
Instrument :
BNA_M
ClientSampleId :
S-905-J-SO-0.5-1.0-081924

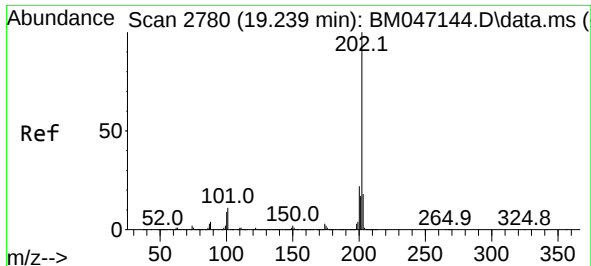
Tgt Ion:202 Resp: 3697841
Ion Ratio Lower Upper
202 100
101 9.0 0.0 30.2
203 17.4 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.021 min Scan# 3083
Delta R.T. -0.012 min
Lab File: BM047322.D
Acq: 22 Aug 2024 18:29

Tgt Ion:240 Resp: 1222867
Ion Ratio Lower Upper
240 100
120 9.0 8.2 12.2
236 25.7 20.6 30.8

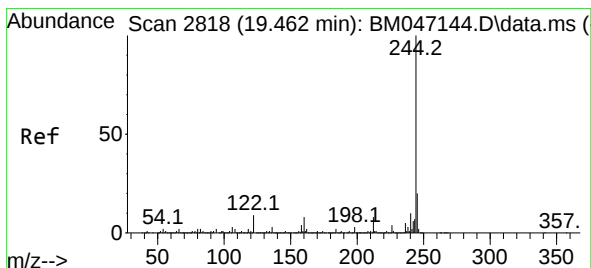
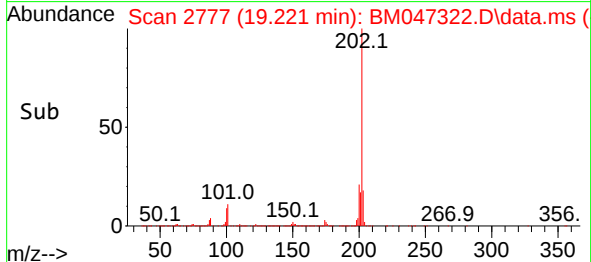
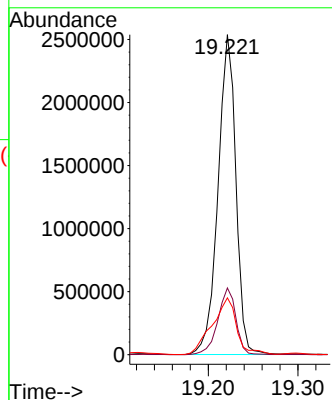
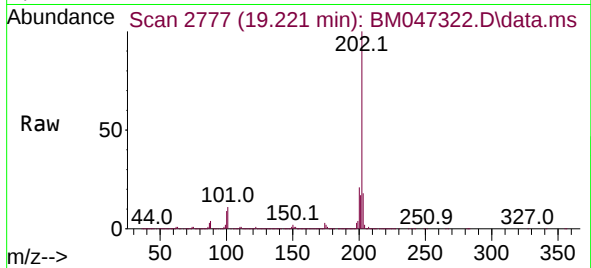




#78
 Pyrene
 Concen: 40.226 ng
 RT: 19.221 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: BM047322.D
 Acq: 22 Aug 2024 18:29

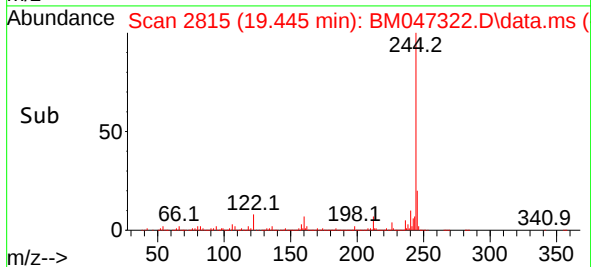
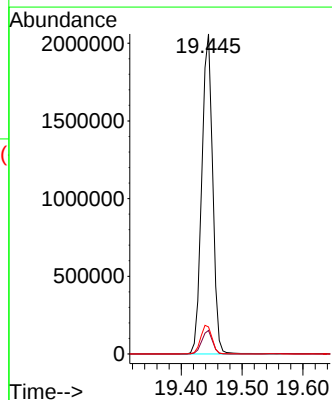
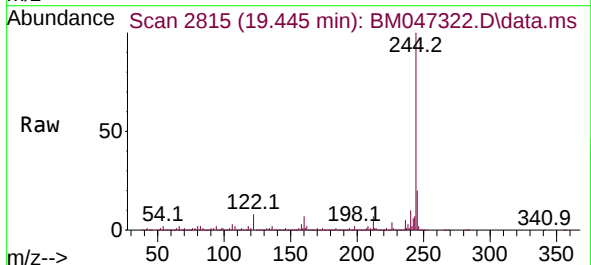
Instrument :
 BNA_M
 ClientSampleId :
 S-905-J-SO-0.5-1.0-081924

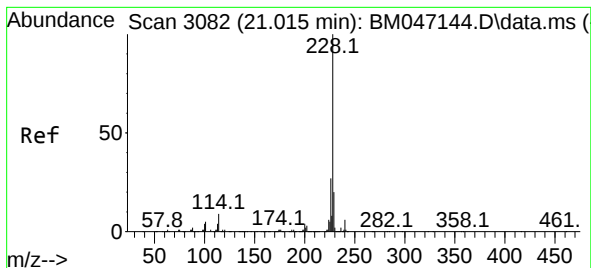
Tgt Ion:202 Resp: 3512349
 Ion Ratio Lower Upper
 202 100
 200 20.8 17.2 25.8
 203 17.7 14.2 21.2



#79
 Terphenyl-d14
 Concen: 44.783 ng
 RT: 19.445 min Scan# 2815
 Delta R.T. -0.018 min
 Lab File: BM047322.D
 Acq: 22 Aug 2024 18:29

Tgt Ion:244 Resp: 2555748
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.2 9.4
 122 8.5 7.1 10.7





#81

Benzo(a)anthracene

Concen: 32.047 ng

RT: 21.004 min Scan# 3080

Delta R.T. -0.012 min

Lab File: BM047322.D

Acq: 22 Aug 2024 18:29

Instrument :

BNA_M

ClientSampleId :

S-905-J-SO-0.5-1.0-081924

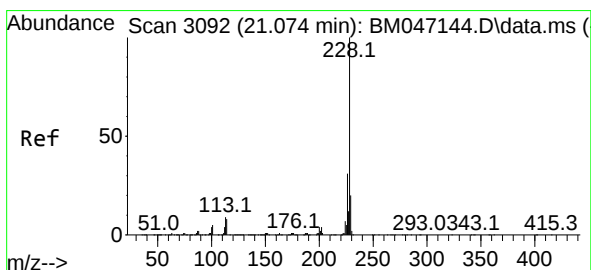
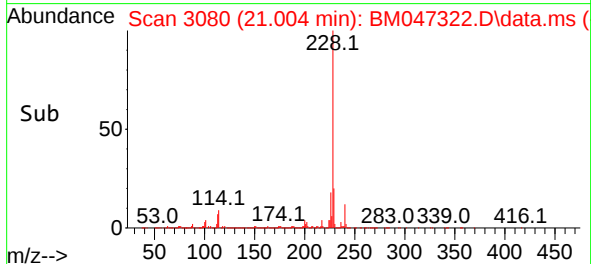
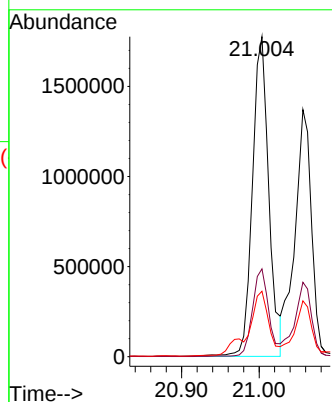
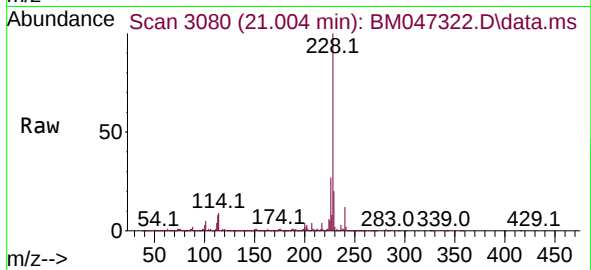
Tgt Ion:228 Resp: 2601641

Ion Ratio Lower Upper

228 100

226 27.5 21.8 32.6

229 20.4 15.8 23.8



#83

Chrysene

Concen: 26.705 ng

RT: 21.057 min Scan# 3089

Delta R.T. -0.018 min

Lab File: BM047322.D

Acq: 22 Aug 2024 18:29

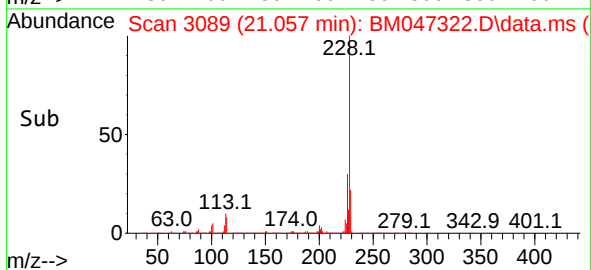
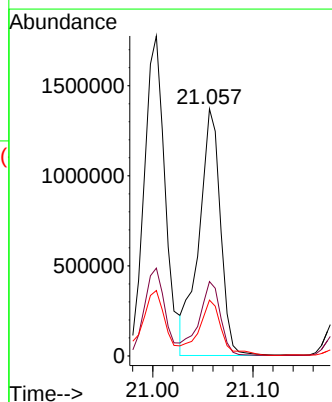
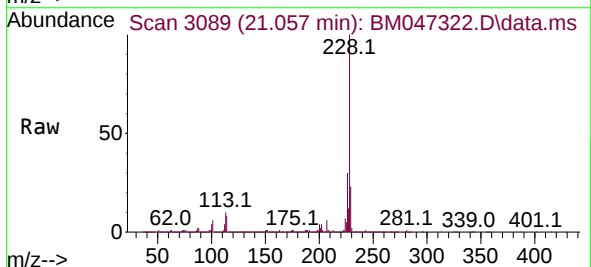
Tgt Ion:228 Resp: 2056904

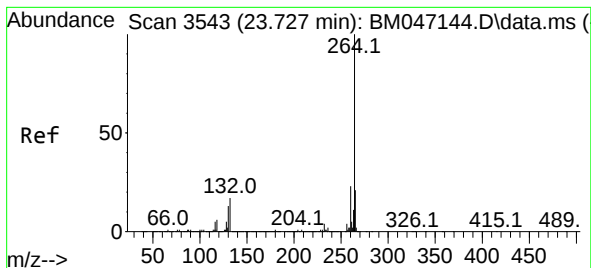
Ion Ratio Lower Upper

228 100

226 30.1 24.4 36.6

229 22.6 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.709 min Scan# 3

Delta R.T. -0.018 min

Lab File: BM047322.D

Acq: 22 Aug 2024 18:29

Instrument :

BNA_M

ClientSampleId :

S-905-J-SO-0.5-1.0-081924

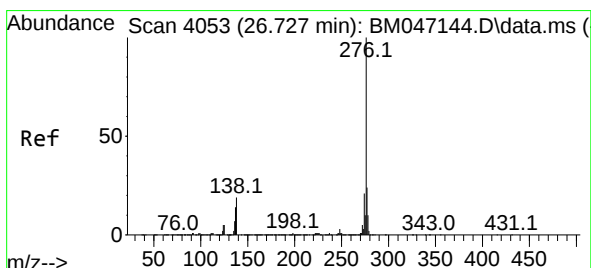
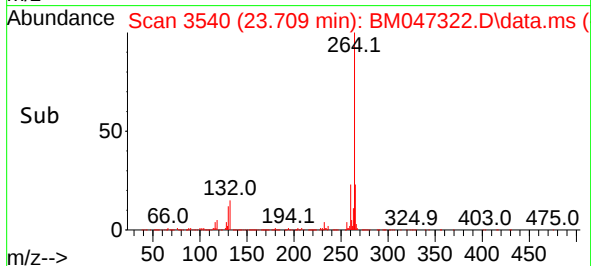
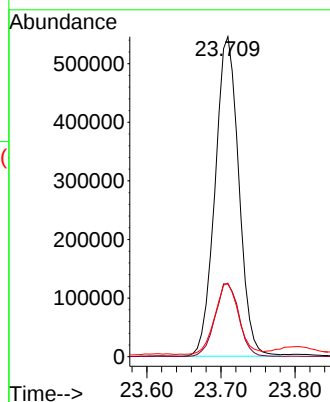
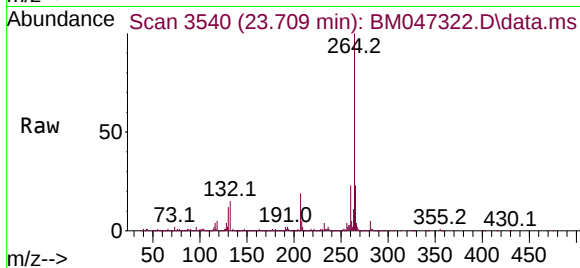
Tgt Ion:264 Resp: 1213445

Ion Ratio Lower Upper

264 100

260 22.7 18.5 27.7

265 23.0 17.3 25.9



#87

Indeno(1,2,3-cd)pyrene

Concen: 10.577 ng

RT: 26.691 min Scan# 4047

Delta R.T. -0.035 min

Lab File: BM047322.D

Acq: 22 Aug 2024 18:29

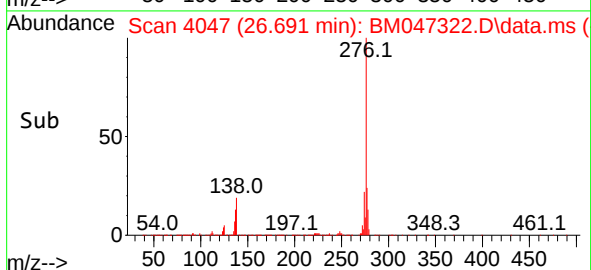
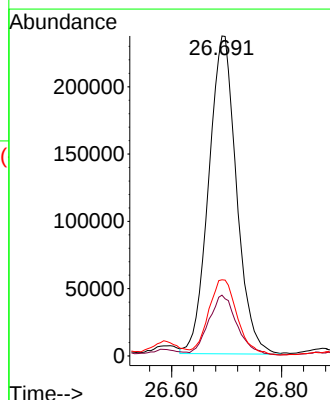
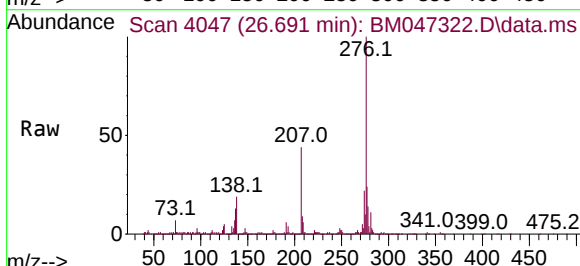
Tgt Ion:276 Resp: 829574

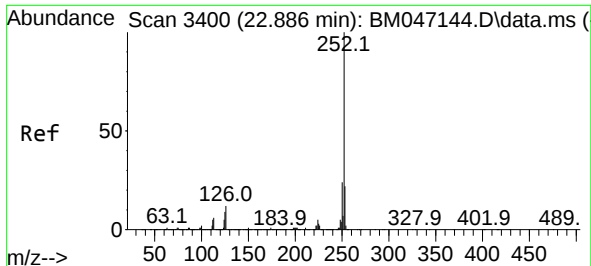
Ion Ratio Lower Upper

276 100

138 19.1 19.4 29.0#

277 24.5 20.1 30.1

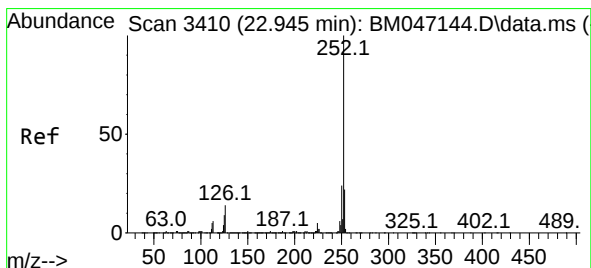
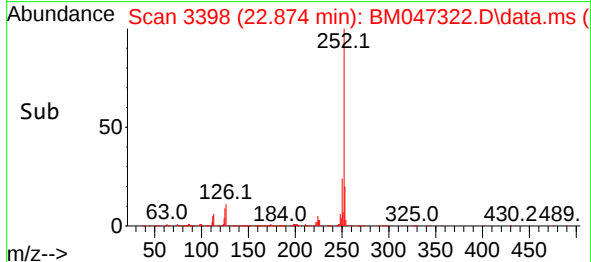
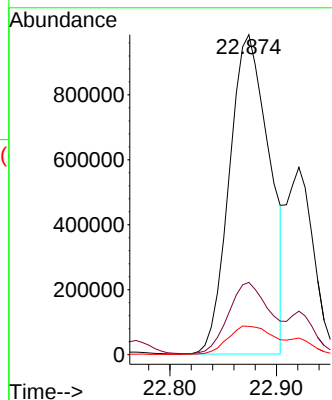
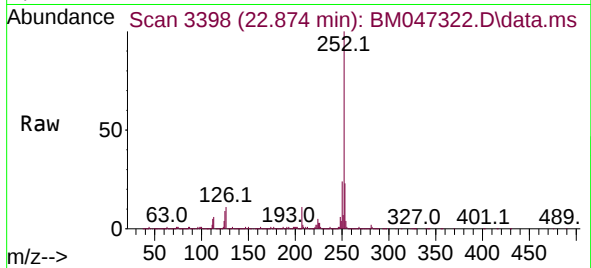




#88
Benzo(b)fluoranthene
Concen: 35.643 ng
RT: 22.874 min Scan# 3398
Delta R.T. -0.012 min
Lab File: BM047322.D
Acq: 22 Aug 2024 18:29

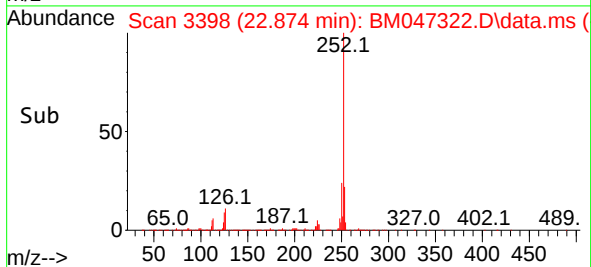
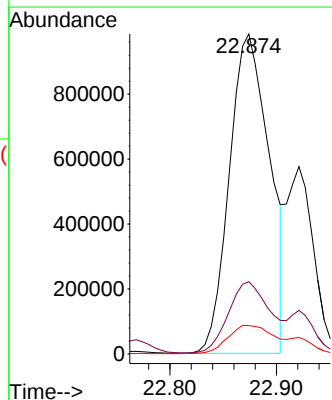
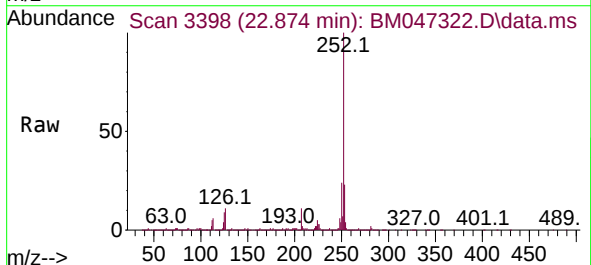
Instrument :
BNA_M
ClientSampleId :
S-905-J-SO-0.5-1.0-081924

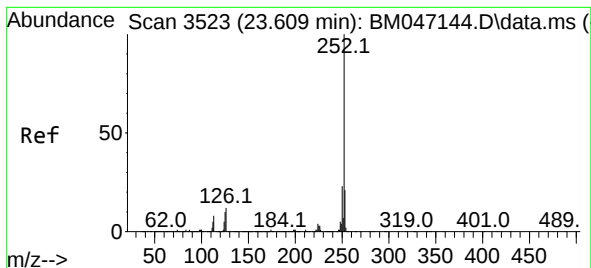
Tgt Ion:252 Resp: 2568508
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.6
125 8.9 7.4 11.0



#89
Benzo(k)fluoranthene
Concen: 37.736 ng
RT: 22.874 min Scan# 3398
Delta R.T. -0.071 min
Lab File: BM047322.D
Acq: 22 Aug 2024 18:29

Tgt Ion:252 Resp: 2568508
Ion Ratio Lower Upper
252 100
253 22.6 17.7 26.5
125 8.9 7.4 11.2





#90

Benzo(a)pyrene

Concen: 28.423 ng

RT: 23.586 min Scan# 3

Delta R.T. -0.024 min

Lab File: BM047322.D

Acq: 22 Aug 2024 18:29

Instrument :

BNA_M

ClientSampleId :

S-905-J-SO-0.5-1.0-081924

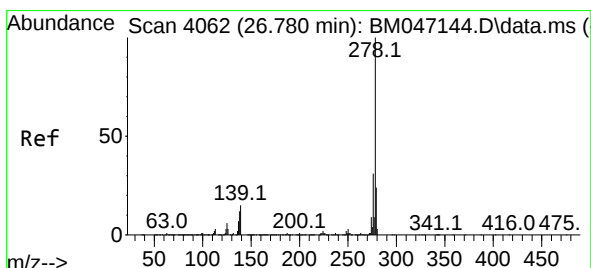
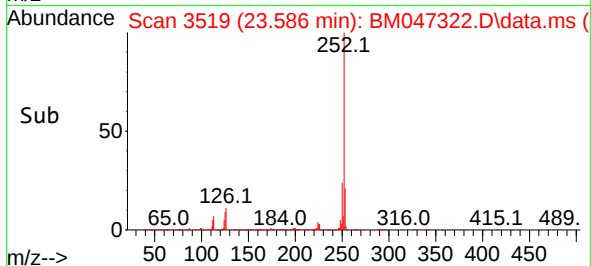
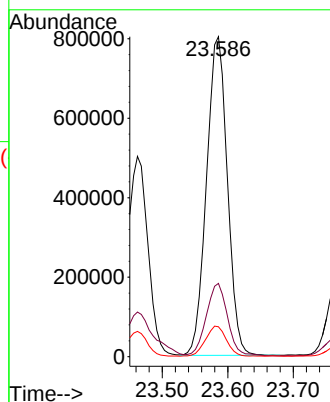
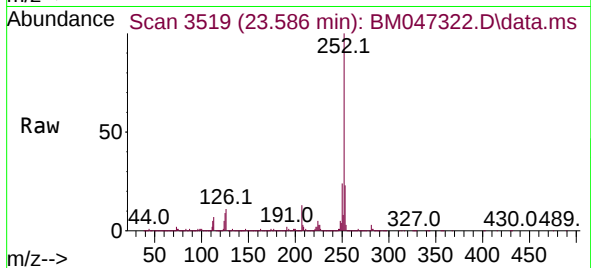
Tgt Ion:252 Resp: 1774318

Ion Ratio Lower Upper

252 100

253 22.9 17.1 25.7

125 9.4 8.2 12.2



#91

Dibenzo(a,h)anthracene

Concen: 3.469 ng

RT: 26.727 min Scan# 4053

Delta R.T. -0.053 min

Lab File: BM047322.D

Acq: 22 Aug 2024 18:29

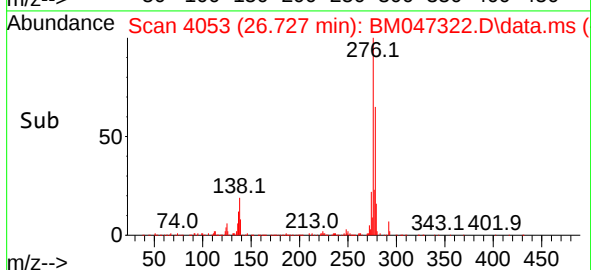
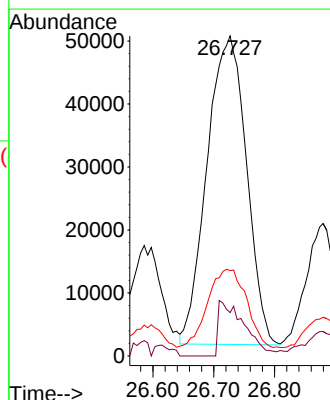
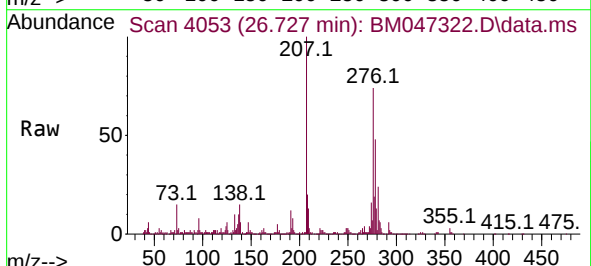
Tgt Ion:278 Resp: 220194

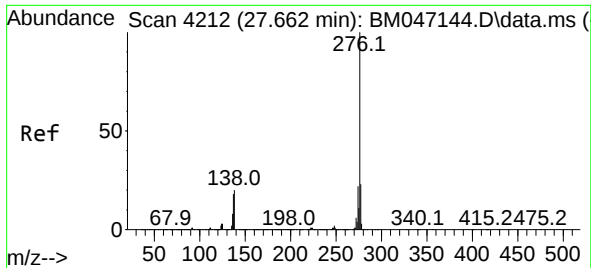
Ion Ratio Lower Upper

278 100

139 13.6 12.0 18.0

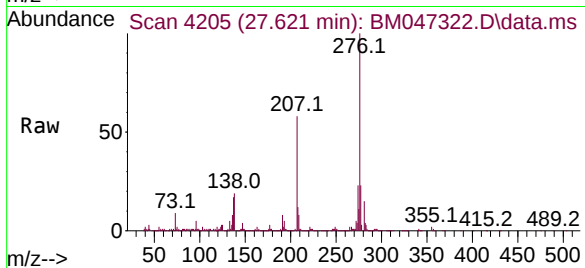
279 26.7 19.2 28.8





#92
Benzo(g,h,i)perylene
Concen: 11.005 ng
RT: 27.621 min Scan# 41
Delta R.T. -0.041 min
Lab File: BM047322.D
Acq: 22 Aug 2024 18:29

Instrument :
BNA_M
ClientSampleId :
S-905-J-SO-0.5-1.0-081924



Tgt Ion:	276	Resp:	725247
Ion	Ratio	Lower	Upper
276	100		
277	23.3	18.8	28.2
138	18.6	16.2	24.4

