

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082324\
 Data File : BM047335.D
 Acq On : 23 Aug 2024 16:08
 Operator : RC/JU
 Sample : P3686-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DNB-47-COMPOSITE

Quant Time: Aug 23 16:50:38 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)

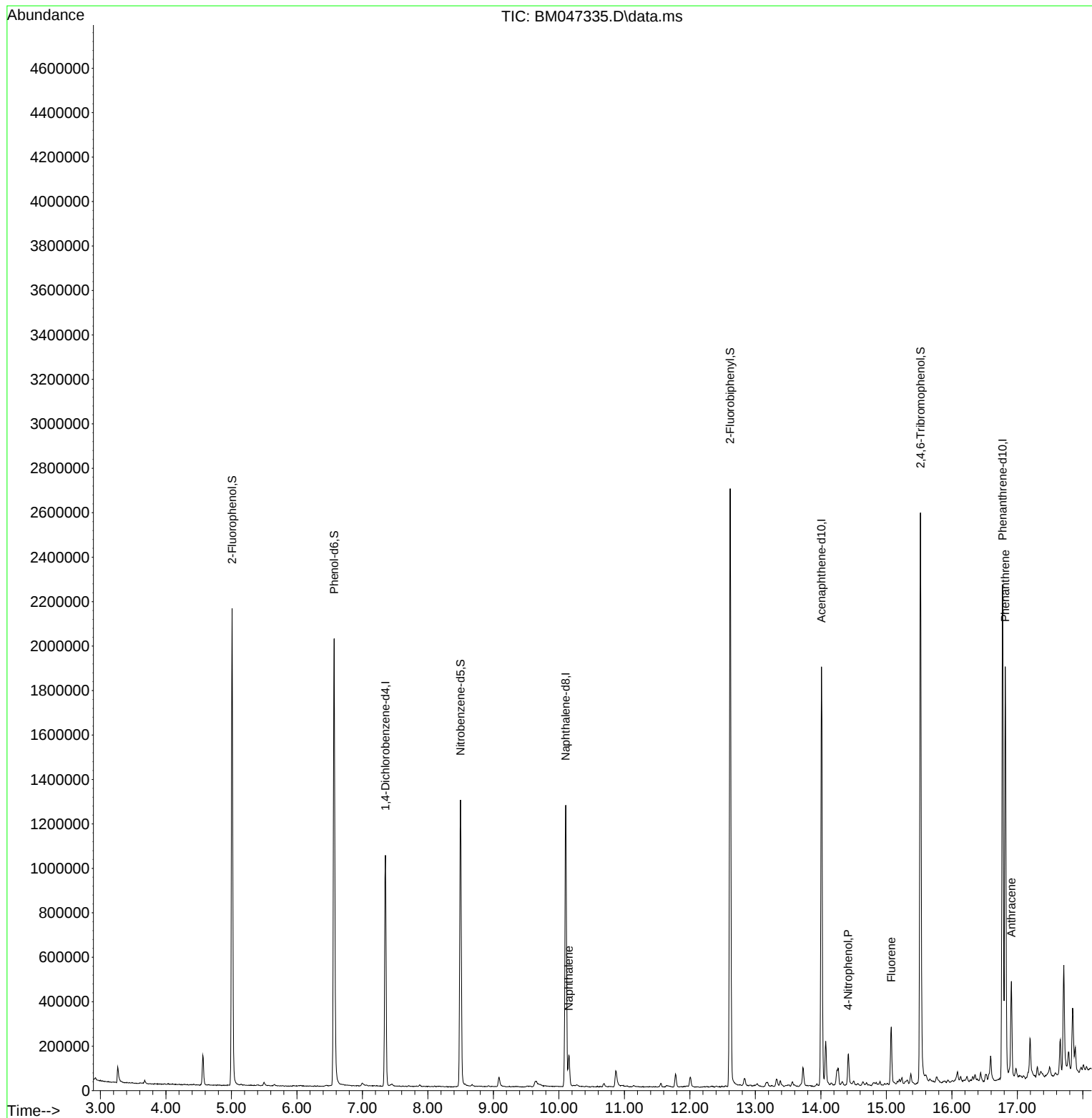
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.351	152	293707	20.000	ng	-0.02
21) Naphthalene-d8	10.104	136	1075250	20.000	ng	-0.03
39) Acenaphthene-d10	14.010	164	688959	20.000	ng	-0.02
64) Phenanthrene-d10	16.774	188	1385929	20.000	ng	-0.02
76) Chrysene-d12	21.015	240	988260	20.000	ng	-0.02
86) Perylene-d12	23.703	264	1008594	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.010	112	929466	56.546	ng	-0.01
7) Phenol-d6	6.569	99	1207414	53.310	ng	-0.02
23) Nitrobenzene-d5	8.498	82	769999	36.059	ng	-0.02
42) 2,4,6-Tribromophenol	15.521	330	498138	62.356	ng	-0.02
45) 2-Fluorobiphenyl	12.616	172	1463188	32.760	ng	-0.03
79) Terphenyl-d14	19.445	244	1933582	41.924	ng	-0.02
Target Compounds						Qvalue
9) Benzaldehyde	6.569	77	2849	Below Cal	#	9
31) Naphthalene	10.151	128	110786	2.068	ng	98
56) 4-Nitrophenol	14.415	139	34763	3.577	ng	# 10
58) Fluorene	15.074	166	117254	2.510	ng	97
71) Phenanthrene	16.815	178	1148595	16.514	ng	100
72) Anthracene	16.909	178	272318	4.024	ng	99
75) Fluoranthene	18.850	202	1283744	15.174	ng	99
78) Pyrene	19.221	202	1083831	15.359	ng	99
81) Benzo(a)anthracene	20.997	228	445459	6.790	ng	99
83) Chrysene	21.056	228	391202	6.285	ng	97
87) Indeno(1,2,3-cd)pyrene	26.691	276	224803	3.448	ng	# 93
88) Benzo(b)fluoranthene	22.868	252	463866	7.744	ng	99
89) Benzo(k)fluoranthene	22.868	252	463866	8.199	ng	99
90) Benzo(a)pyrene	23.580	252	337274	6.500	ng	97
92) Benzo(g,h,i)perylene	27.615	276	225158	4.110	ng	99

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

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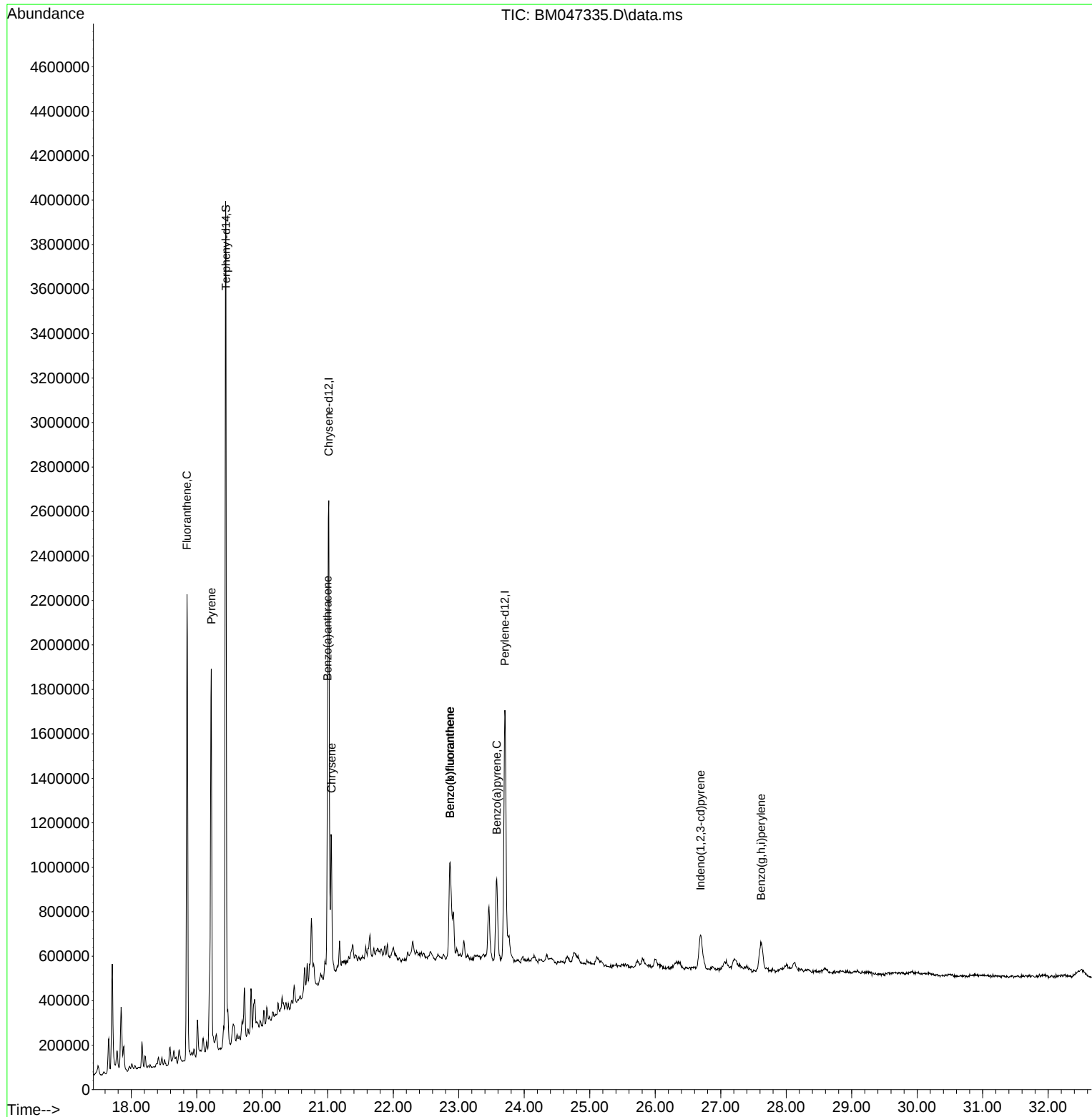
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration

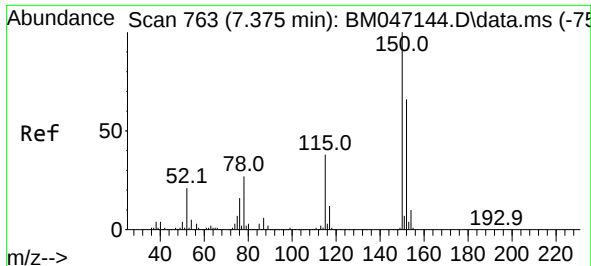


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082324\
Data File : BM047335.D
Acq On : 23 Aug 2024 16:08
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Quant Time: Aug 23 16:50:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
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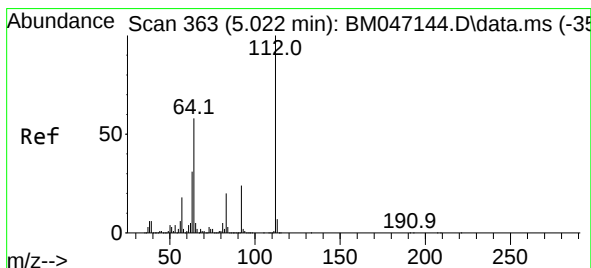
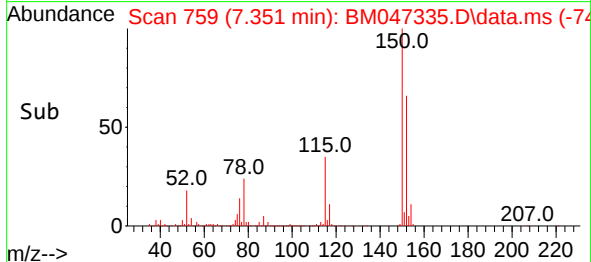
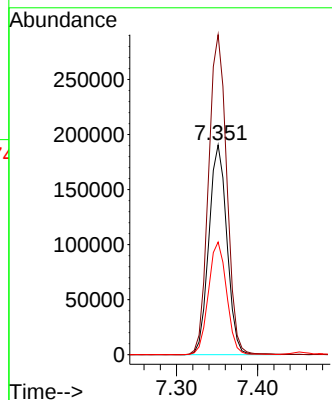
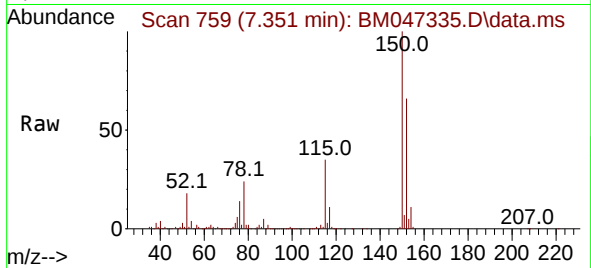




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.351 min Scan# 71
Delta R.T. -0.024 min
Lab File: BM047335.D
Acq: 23 Aug 2024 16:08

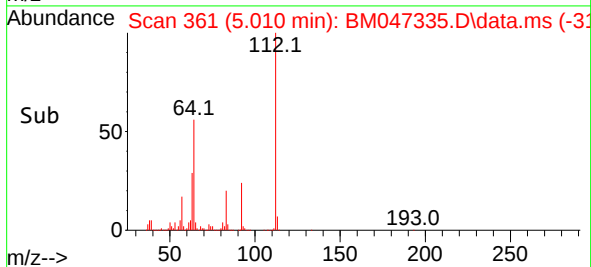
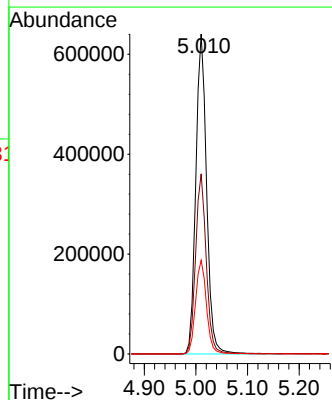
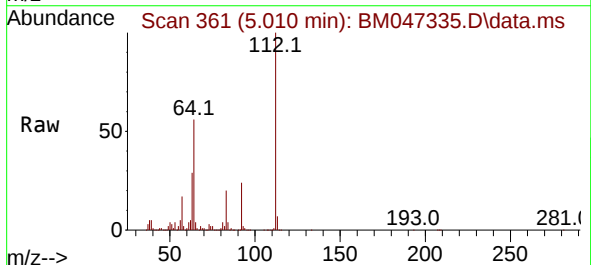
Instrument :
BNA_M
ClientSampleId :
DNB-47-COMPOSITE

Tgt Ion:152 Resp: 293707
Ion Ratio Lower Upper
152 100
150 152.6 120.5 180.7
115 53.7 45.5 68.3



#5
2-Fluorophenol
Concen: 56.546 ng
RT: 5.010 min Scan# 361
Delta R.T. -0.012 min
Lab File: BM047335.D
Acq: 23 Aug 2024 16:08

Tgt Ion:112 Resp: 929466
Ion Ratio Lower Upper
112 100
64 56.3 46.7 70.1
63 29.2 24.8 37.2



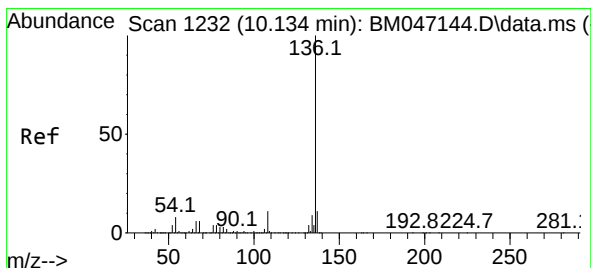
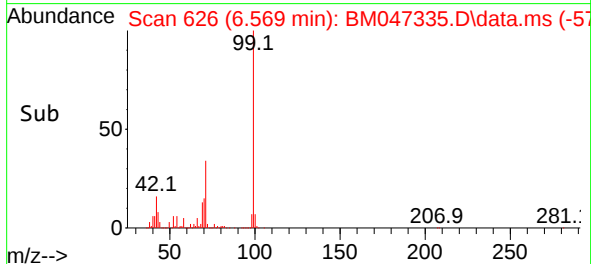
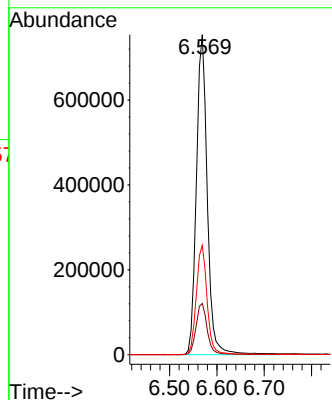
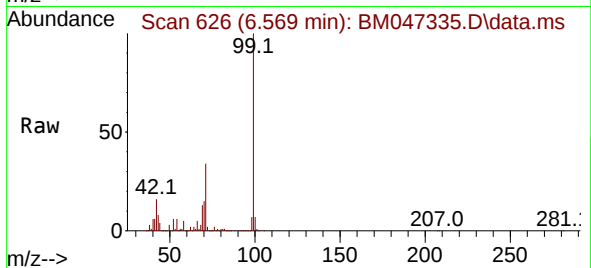


#7
Phenol-d6
Concen: 53.310 ng
RT: 6.569 min Scan# 61
Delta R.T. -0.018 min
Lab File: BM047335.D
Acq: 23 Aug 2024 16:08

Instrument :
BNA_M
ClientSampleId :
DNB-47-COMPOSITE

Tgt Ion: 99 Resp: 1207414

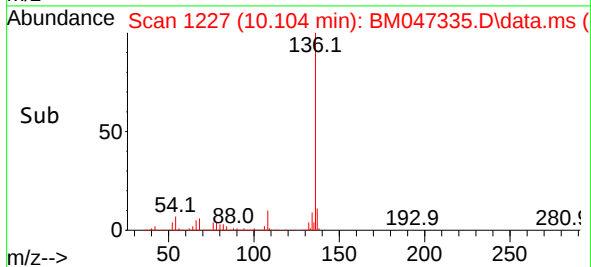
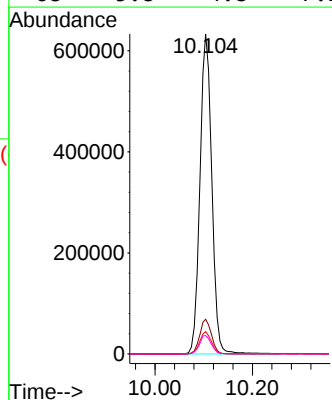
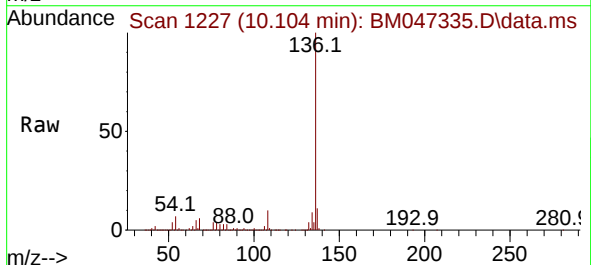
Ion	Ratio	Lower	Upper
99	100		
42	16.0	14.1	21.1
71	34.2	28.5	42.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.104 min Scan# 1227
Delta R.T. -0.030 min
Lab File: BM047335.D
Acq: 23 Aug 2024 16:08

Tgt Ion: 136 Resp: 1075250

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	7.0	6.0	9.0
68	5.8	4.8	7.2

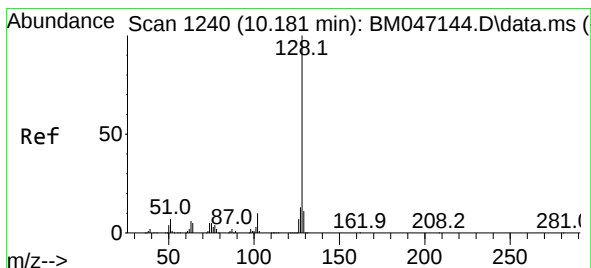
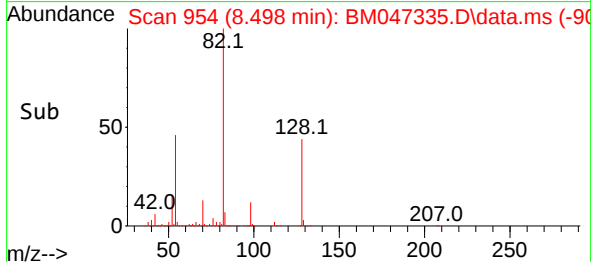
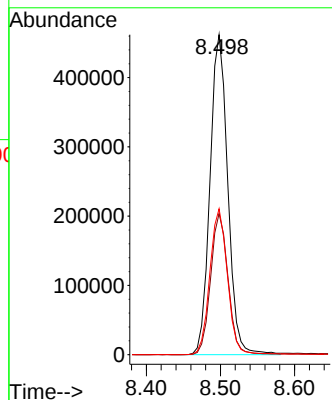
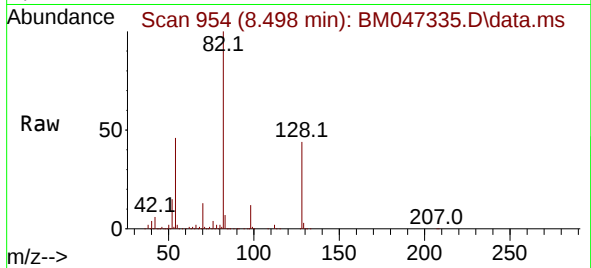




#23
Nitrobenzene-d5
Concen: 36.059 ng
RT: 8.498 min Scan# 91
Delta R.T. -0.024 min
Lab File: BM047335.D
Acq: 23 Aug 2024 16:08

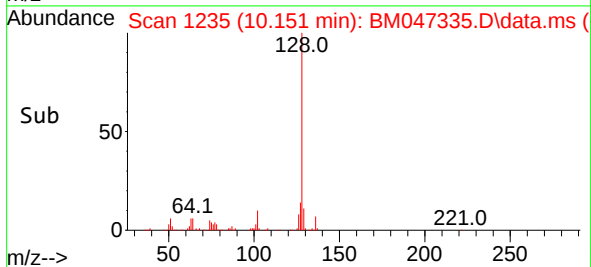
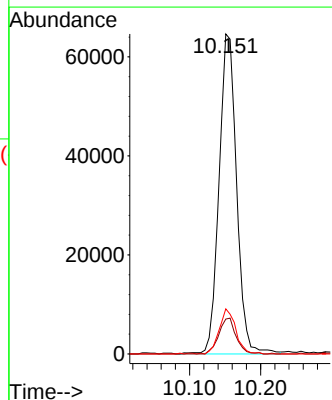
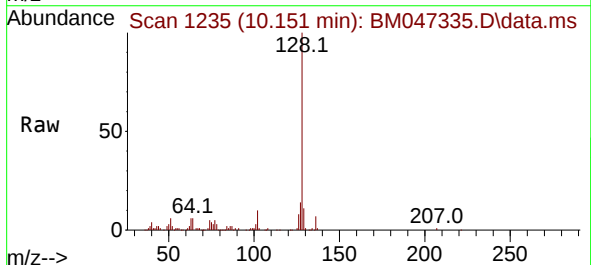
Instrument :
BNA_M
ClientSampleId :
DNB-47-COMPOSITE

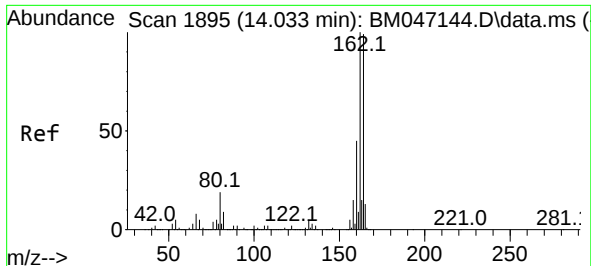
Tgt Ion: 82 Resp: 769999
Ion Ratio Lower Upper
82 100
128 44.1 32.3 48.5
54 45.6 37.4 56.2



#31
Naphthalene
Concen: 2.068 ng
RT: 10.151 min Scan# 1235
Delta R.T. -0.030 min
Lab File: BM047335.D
Acq: 23 Aug 2024 16:08

Tgt Ion: 128 Resp: 110786
Ion Ratio Lower Upper
128 100
129 10.9 8.6 13.0
127 14.1 10.2 15.4

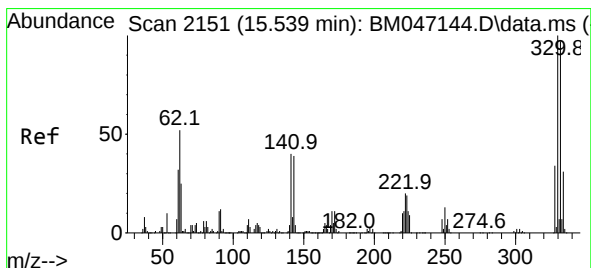
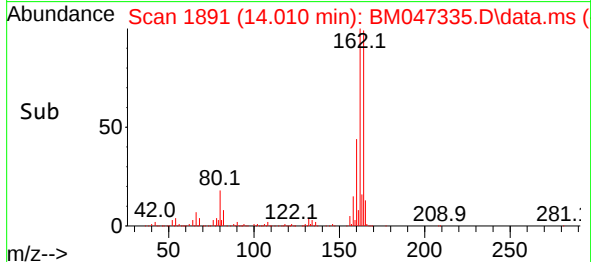
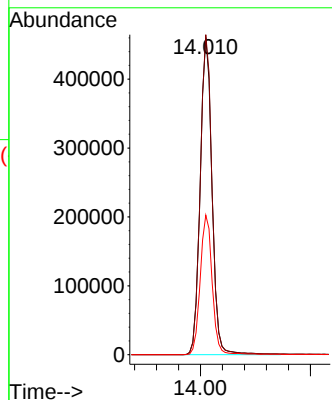
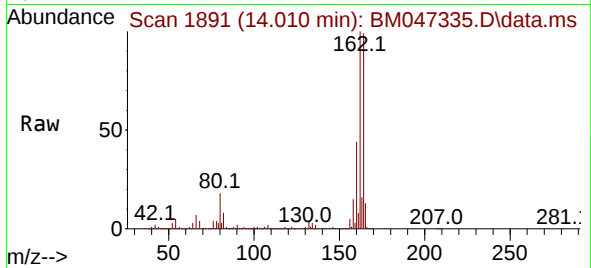




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.010 min Scan# 1895
Delta R.T. -0.024 min
Lab File: BM047335.D
Acq: 23 Aug 2024 16:08

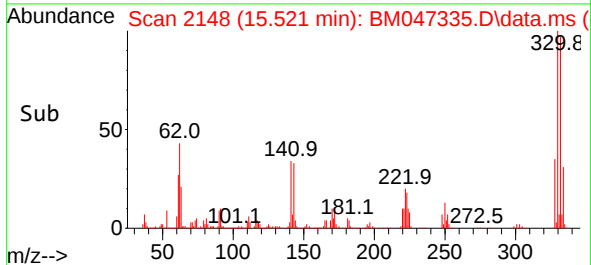
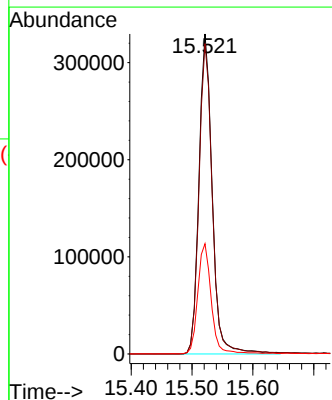
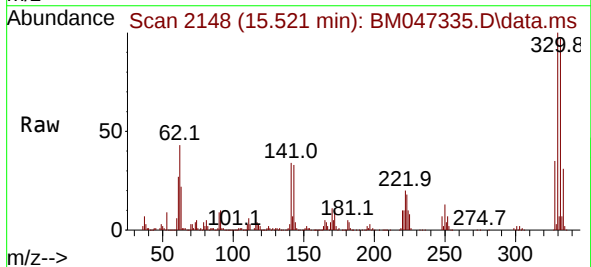
Instrument :
BNA_M
ClientSampleId :
DNB-47-COMPOSITE

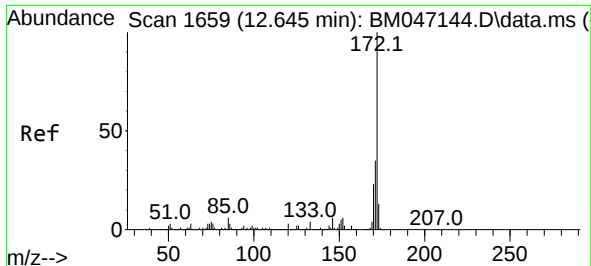
Tgt Ion:164 Resp: 688959
Ion Ratio Lower Upper
164 100
162 100.9 80.7 121.1
160 44.0 36.0 54.0



#42
2,4,6-Tribromophenol
Concen: 62.356 ng
RT: 15.521 min Scan# 2148
Delta R.T. -0.018 min
Lab File: BM047335.D
Acq: 23 Aug 2024 16:08

Tgt Ion:330 Resp: 498138
Ion Ratio Lower Upper
330 100
332 98.0 77.4 116.2
141 34.8 31.6 47.4

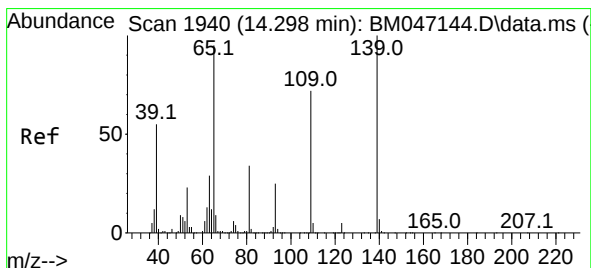
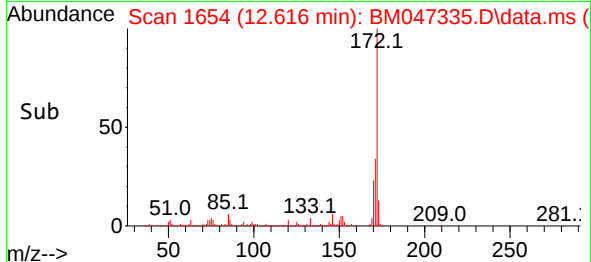
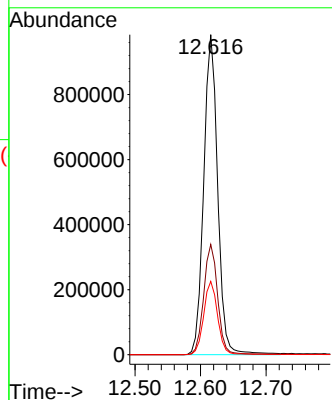
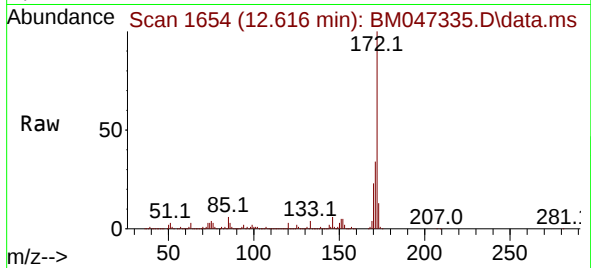




#45
2-Fluorobiphenyl
Concen: 32.760 ng
RT: 12.616 min Scan# 1
Delta R.T. -0.029 min
Lab File: BM047335.D
Acq: 23 Aug 2024 16:08

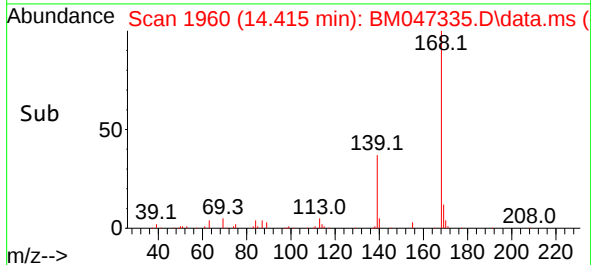
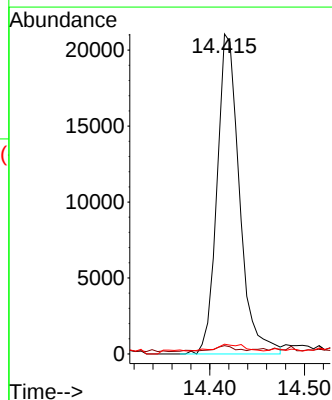
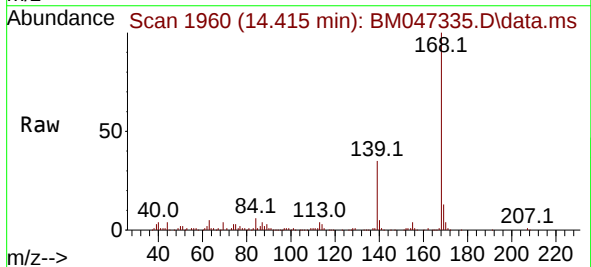
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ClientSampleId :
DNB-47-COMPOSITE

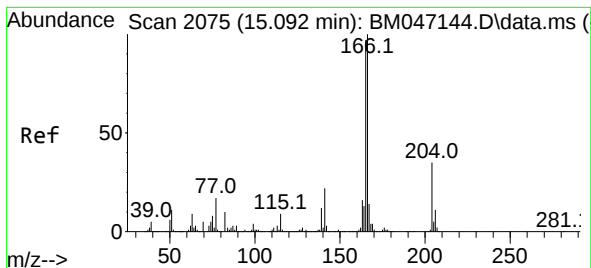
Tgt Ion:172 Resp: 1463188
Ion Ratio Lower Upper
172 100
171 34.4 27.8 41.6
170 22.9 18.7 28.1



#56
4-Nitrophenol
Concen: 3.577 ng
RT: 14.415 min Scan# 1960
Delta R.T. 0.117 min
Lab File: BM047335.D
Acq: 23 Aug 2024 16:08

Tgt Ion:139 Resp: 34763
Ion Ratio Lower Upper
139 100
109 2.6 52.5 92.5#
65 3.1 75.4 115.4#





#58

Fluorene

Concen: 2.510 ng

RT: 15.074 min Scan# 2075

Delta R.T. -0.018 min

Lab File: BM047335.D

Acq: 23 Aug 2024 16:08

Instrument :

BNA_M

ClientSampleId :

DNB-47-COMPOSITE

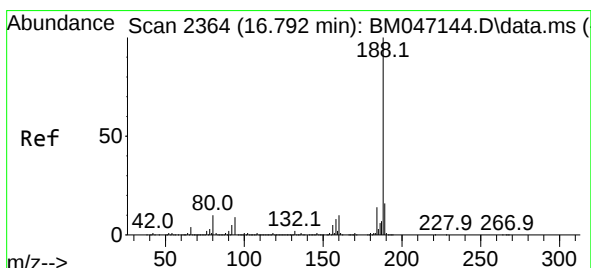
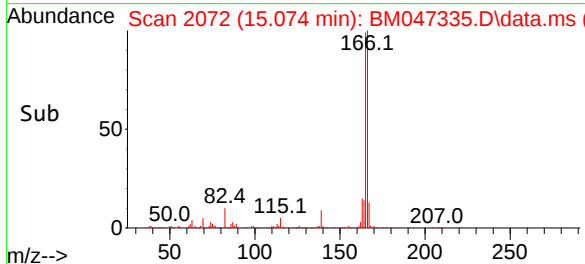
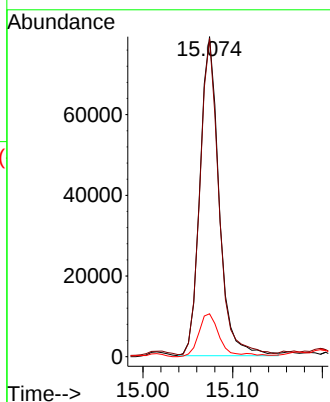
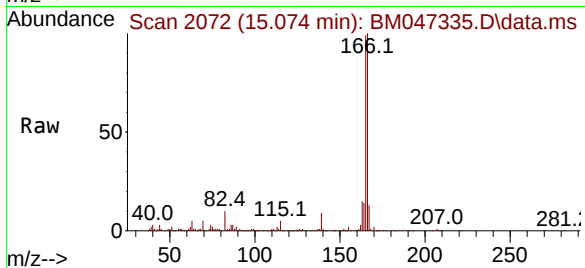
Tgt Ion:166 Resp: 117254

Ion Ratio Lower Upper

166 100

165 99.5 77.4 116.0

167 13.4 11.0 16.6



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.774 min Scan# 2361

Delta R.T. -0.018 min

Lab File: BM047335.D

Acq: 23 Aug 2024 16:08

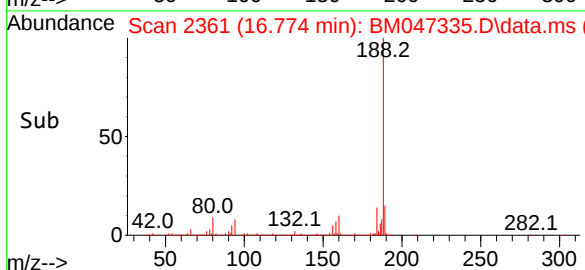
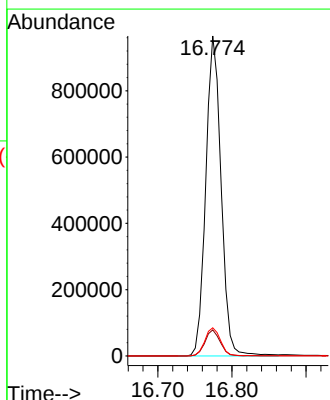
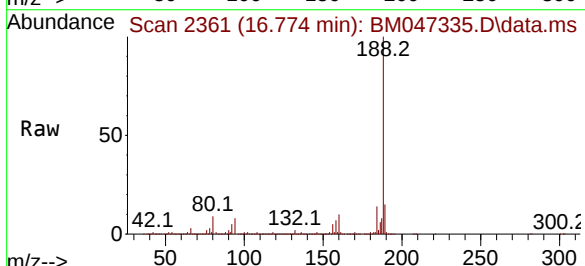
Tgt Ion:188 Resp: 1385929

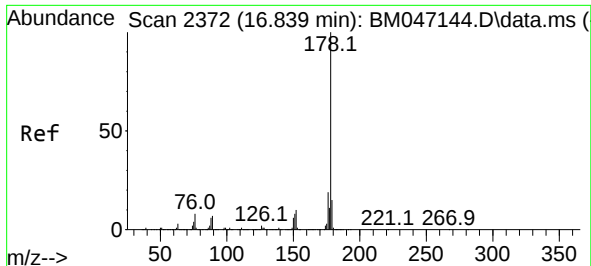
Ion Ratio Lower Upper

188 100

94 8.1 7.0 10.6

80 8.8 8.0 12.0

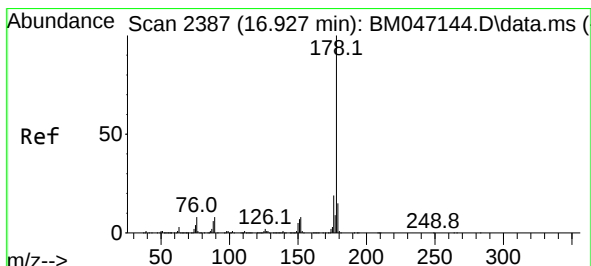
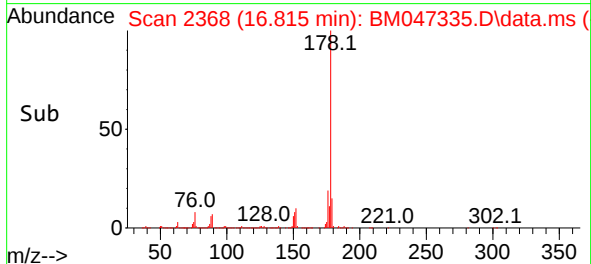
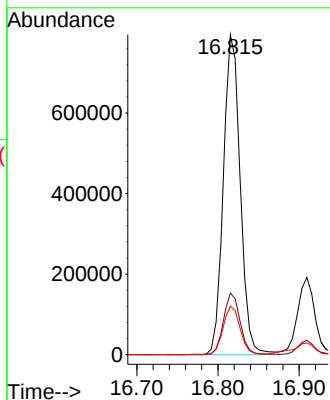
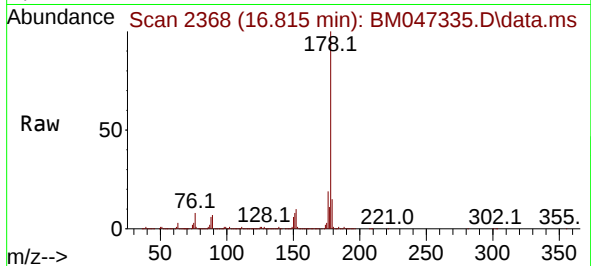




#71
Phenanthrene
Concen: 16.514 ng
RT: 16.815 min Scan# 21
Delta R.T. -0.024 min
Lab File: BM047335.D
Acq: 23 Aug 2024 16:08

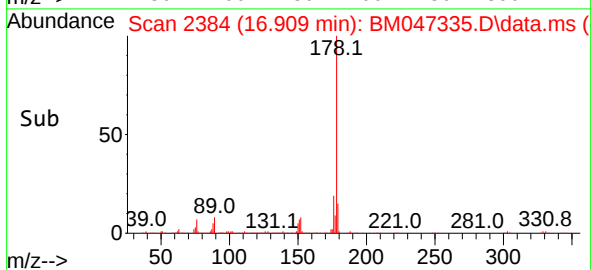
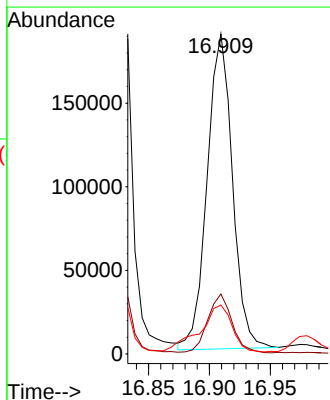
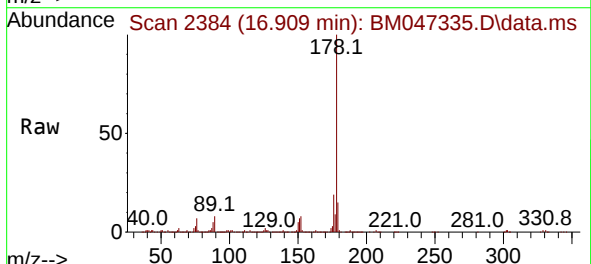
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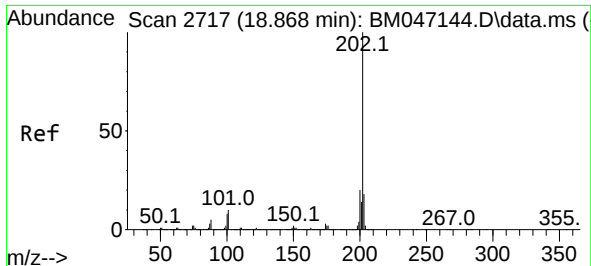
Tgt Ion:178 Resp: 1148595
Ion Ratio Lower Upper
178 100
176 19.2 15.3 22.9
179 15.2 12.4 18.6



#72
Anthracene
Concen: 4.024 ng
RT: 16.909 min Scan# 2384
Delta R.T. -0.018 min
Lab File: BM047335.D
Acq: 23 Aug 2024 16:08

Tgt Ion:178 Resp: 272318
Ion Ratio Lower Upper
178 100
176 18.8 14.8 22.2
179 15.3 12.4 18.6

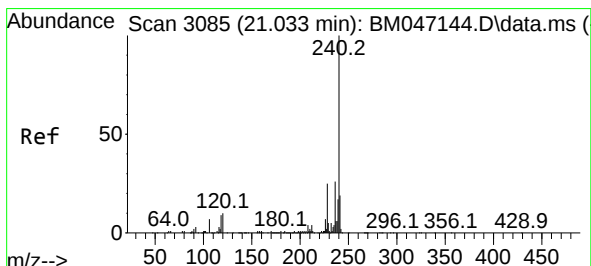
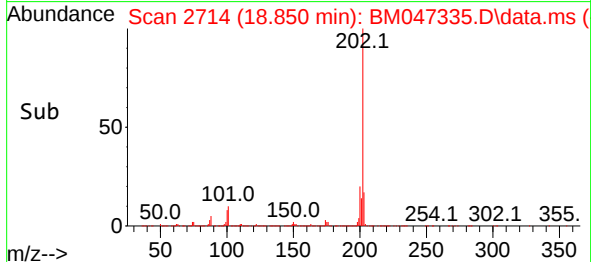
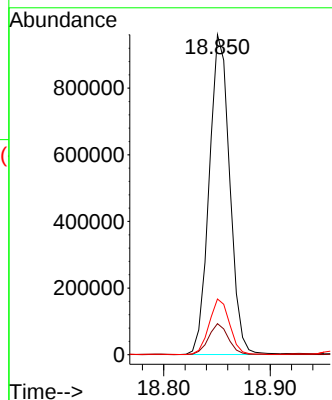
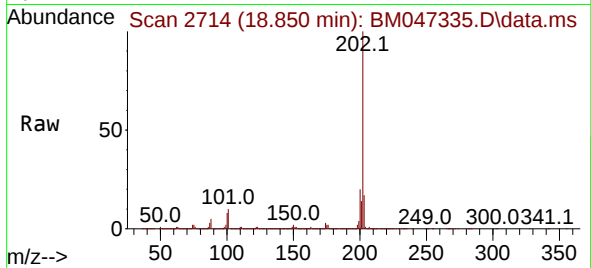




#75
Fluoranthene
Concen: 15.174 ng
RT: 18.850 min Scan# 21
Delta R.T. -0.018 min
Lab File: BM047335.D
Acq: 23 Aug 2024 16:08

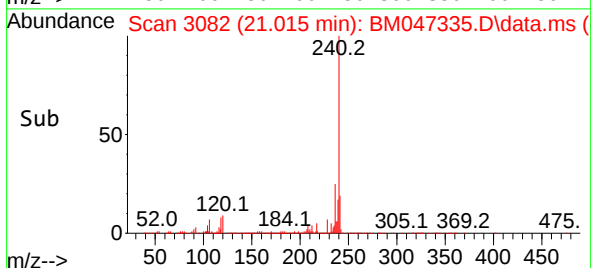
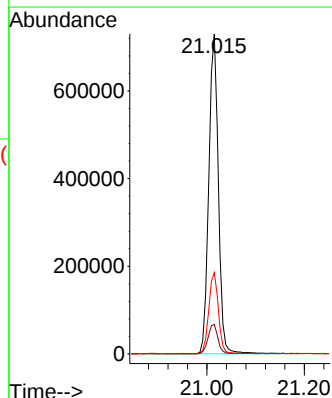
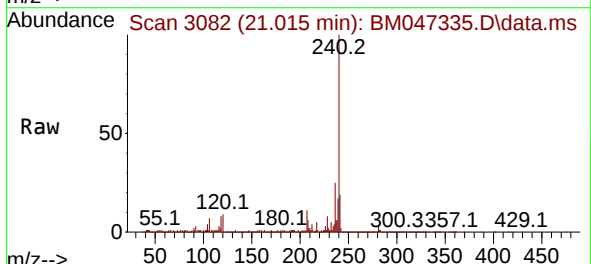
Instrument :
BNA_M
ClientSampleId :
DNB-47-COMPOSITE

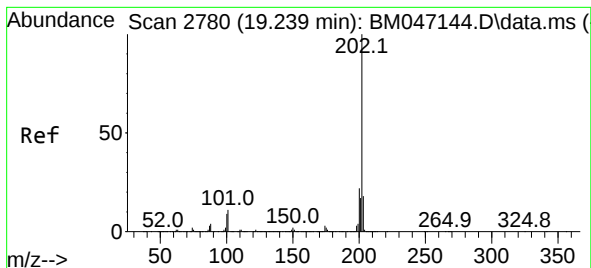
Tgt Ion:202 Resp: 1283744
Ion Ratio Lower Upper
202 100
101 9.7 0.0 30.2
203 17.4 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.015 min Scan# 3082
Delta R.T. -0.018 min
Lab File: BM047335.D
Acq: 23 Aug 2024 16:08

Tgt Ion:240 Resp: 988260
Ion Ratio Lower Upper
240 100
120 9.2 8.2 12.2
236 25.4 20.6 30.8





#78

Pyrene

Concen: 15.359 ng

RT: 19.221 min Scan# 21

Delta R.T. -0.018 min

Lab File: BM047335.D

Acq: 23 Aug 2024 16:08

Instrument :

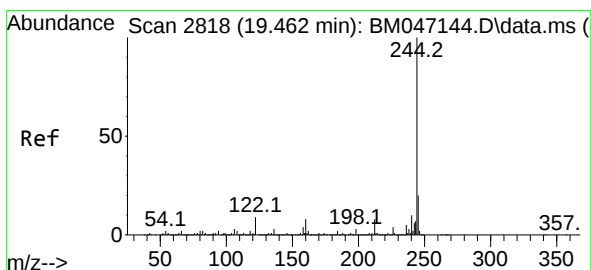
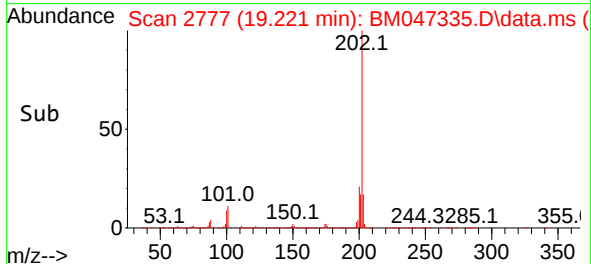
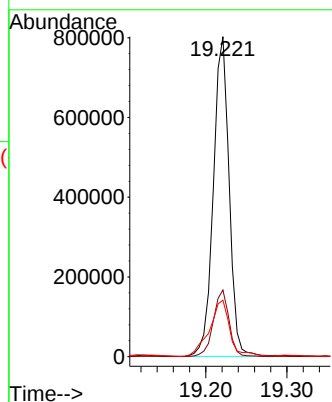
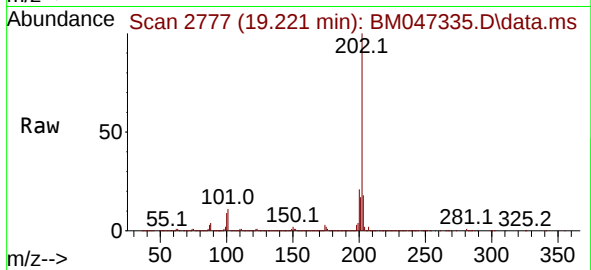
BNA_M

ClientSampleId :

DNB-47-COMPOSITE

Tgt Ion:202 Resp: 1083831

Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.2	25.8
203	17.6	14.2	21.2



#79

Terphenyl-d14

Concen: 41.924 ng

RT: 19.445 min Scan# 2815

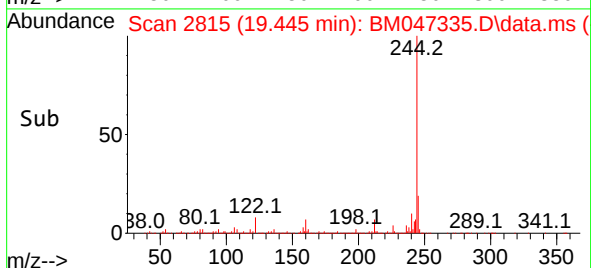
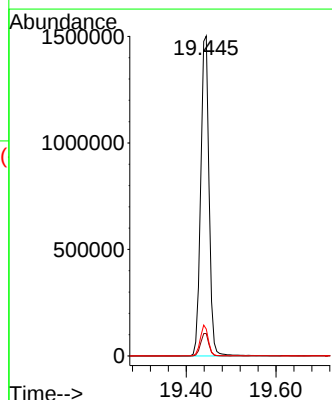
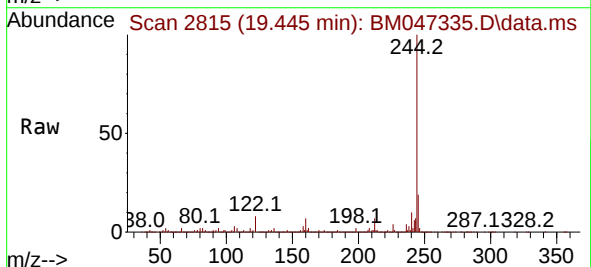
Delta R.T. -0.018 min

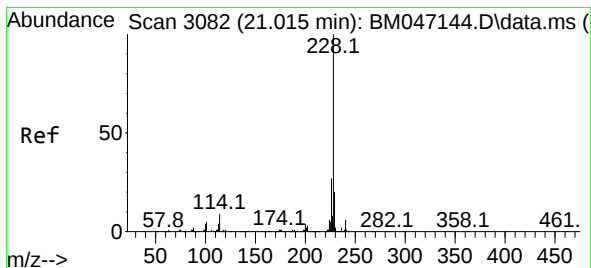
Lab File: BM047335.D

Acq: 23 Aug 2024 16:08

Tgt Ion:244 Resp: 1933582

Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.2	9.4
122	8.4	7.1	10.7





#81

Benzo(a)anthracene

Concen: 6.790 ng

RT: 20.997 min Scan# 3082

Delta R.T. -0.018 min

Lab File: BM047335.D

Acq: 23 Aug 2024 16:08

Instrument :

BNA_M

ClientSampleId :

DNB-47-COMPOSITE

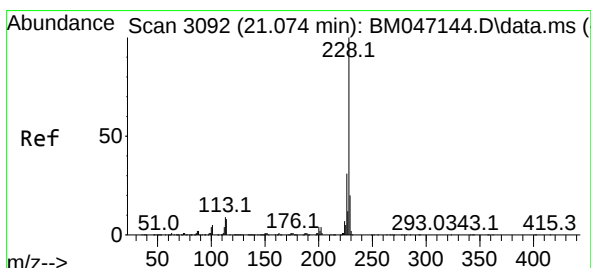
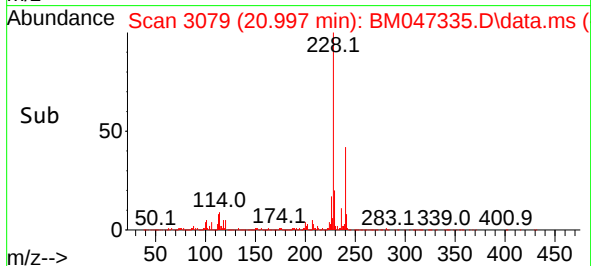
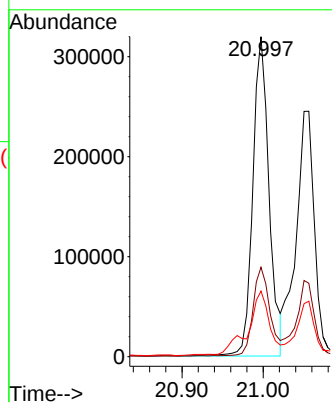
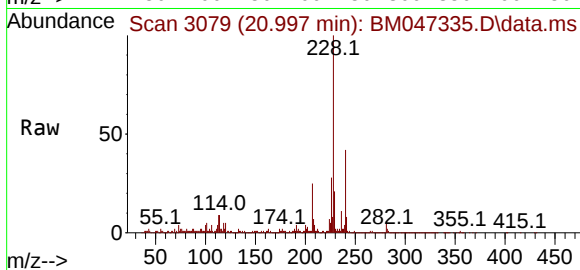
Tgt Ion:228 Resp: 445459

Ion Ratio Lower Upper

228 100

226 27.9 21.8 32.6

229 20.5 15.8 23.8



#83

Chrysene

Concen: 6.285 ng

RT: 21.056 min Scan# 3089

Delta R.T. -0.018 min

Lab File: BM047335.D

Acq: 23 Aug 2024 16:08

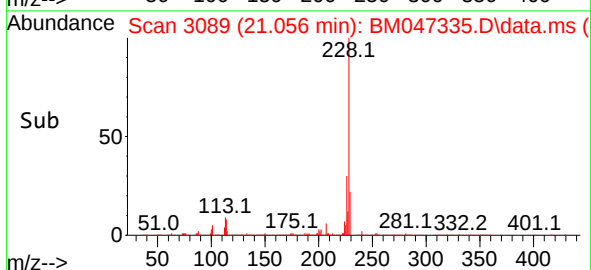
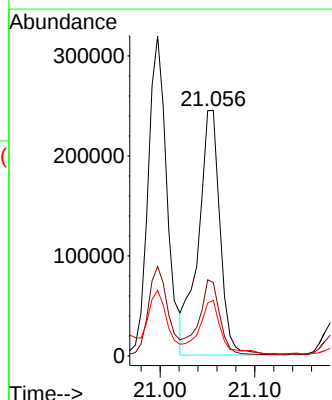
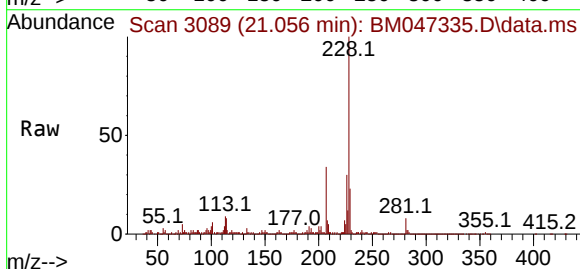
Tgt Ion:228 Resp: 391202

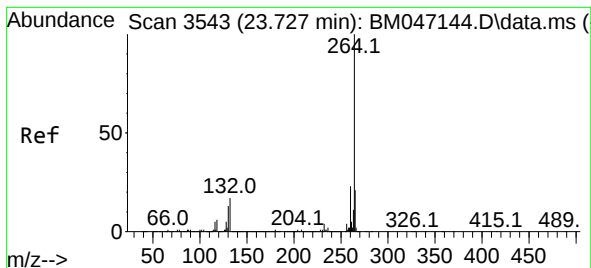
Ion Ratio Lower Upper

228 100

226 29.9 24.4 36.6

229 22.6 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.703 min Scan# 3

Delta R.T. -0.024 min

Lab File: BM047335.D

Acq: 23 Aug 2024 16:08

Instrument :

BNA_M

ClientSampleId :

DNB-47-COMPOSITE

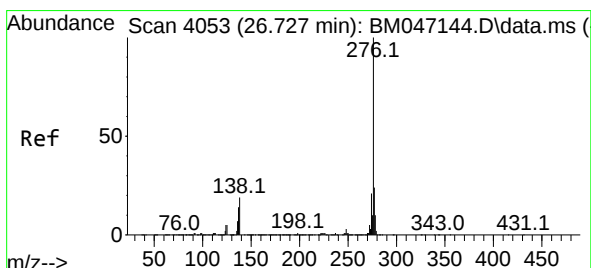
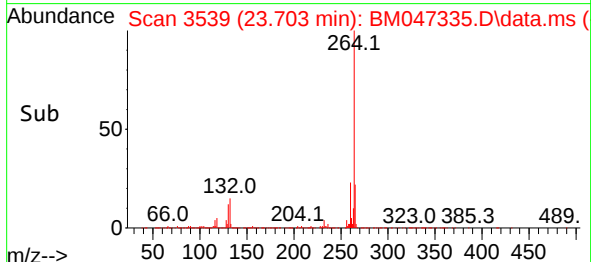
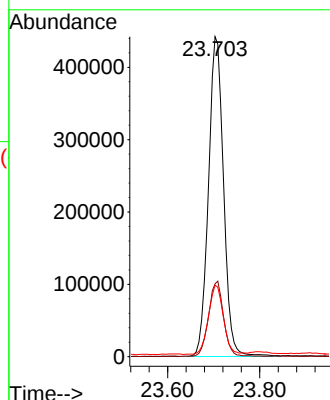
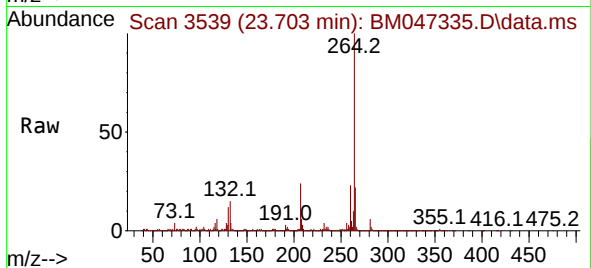
Tgt Ion:264 Resp: 1008594

Ion Ratio Lower Upper

264 100

260 22.8 18.5 27.7

265 22.3 17.3 25.9



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.448 ng

RT: 26.691 min Scan# 4047

Delta R.T. -0.036 min

Lab File: BM047335.D

Acq: 23 Aug 2024 16:08

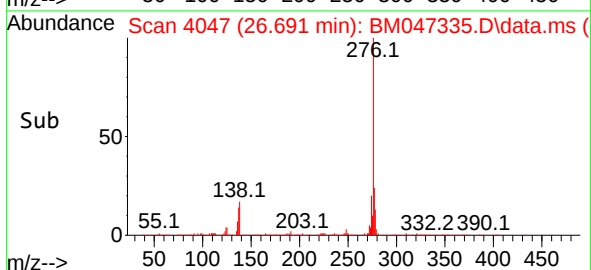
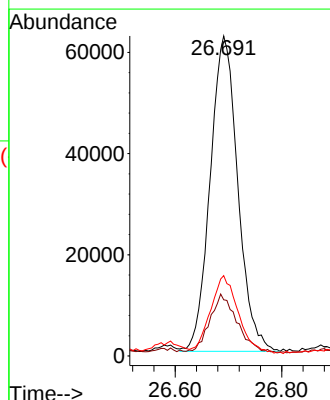
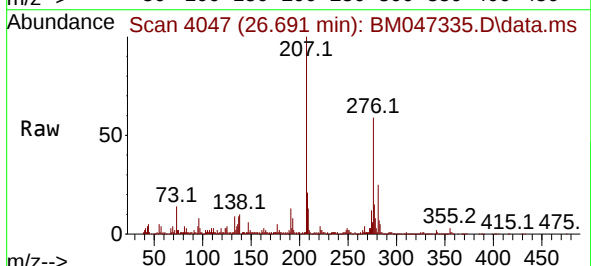
Tgt Ion:276 Resp: 224803

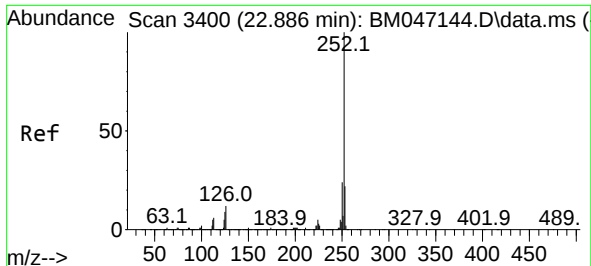
Ion Ratio Lower Upper

276 100

138 18.6 19.4 29.0#

277 23.8 20.1 30.1

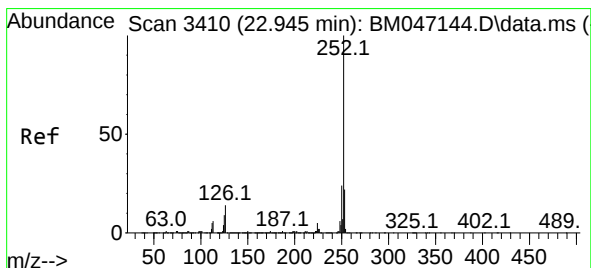
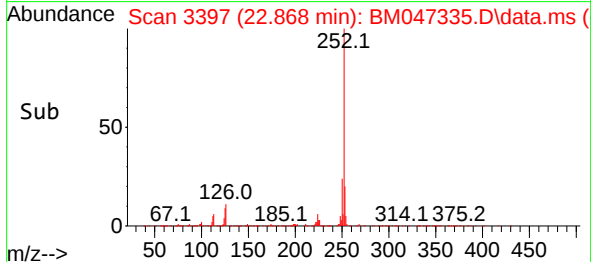
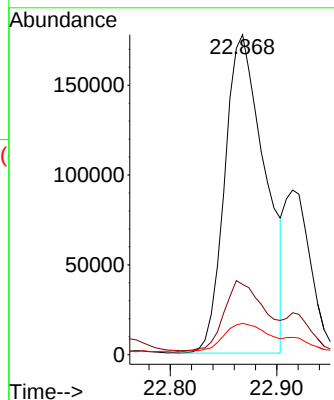
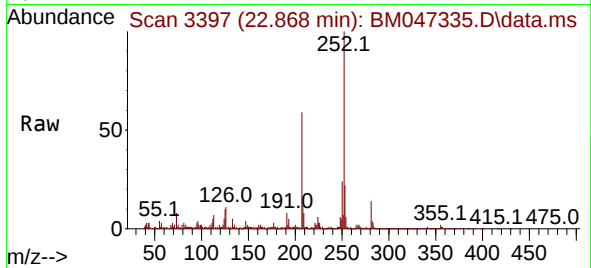




#88
Benzo(b)fluoranthene
Concen: 7.744 ng
RT: 22.868 min Scan# 31
Delta R.T. -0.018 min
Lab File: BM047335.D
Acq: 23 Aug 2024 16:08

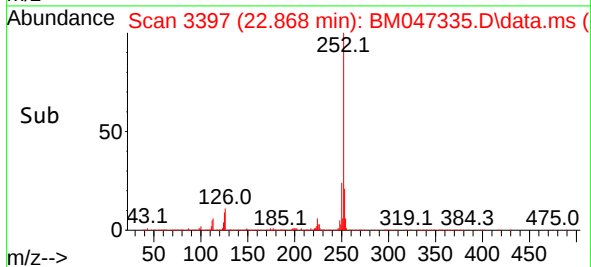
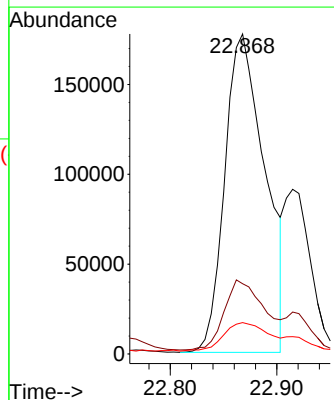
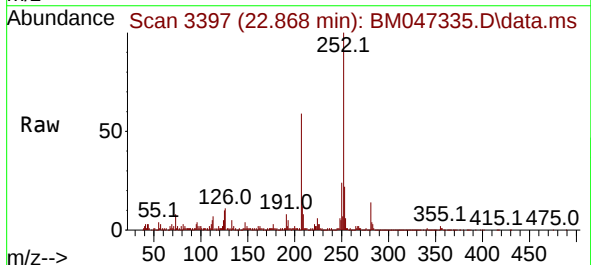
Instrument :
BNA_M
ClientSampleId :
DNB-47-COMPOSITE

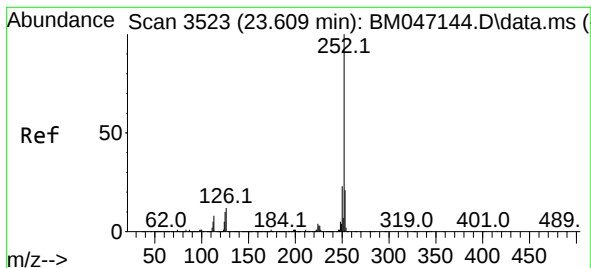
Tgt Ion:252 Resp: 463866
Ion Ratio Lower Upper
252 100
253 22.0 17.8 26.6
125 9.8 7.4 11.0



#89
Benzo(k)fluoranthene
Concen: 8.199 ng
RT: 22.868 min Scan# 3397
Delta R.T. -0.077 min
Lab File: BM047335.D
Acq: 23 Aug 2024 16:08

Tgt Ion:252 Resp: 463866
Ion Ratio Lower Upper
252 100
253 22.0 17.7 26.5
125 9.8 7.4 11.2





#90

Benzo(a)pyrene

Concen: 6.500 ng

RT: 23.580 min Scan# 31

Delta R.T. -0.030 min

Lab File: BM047335.D

Acq: 23 Aug 2024 16:08

Instrument :

BNA_M

ClientSampleId :

DNB-47-COMPOSITE

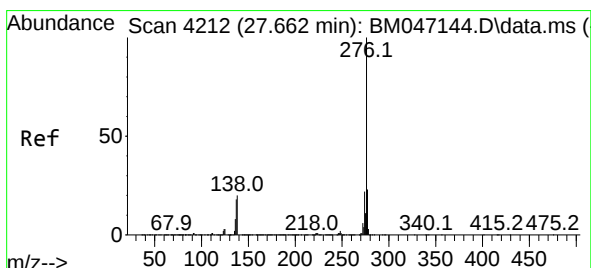
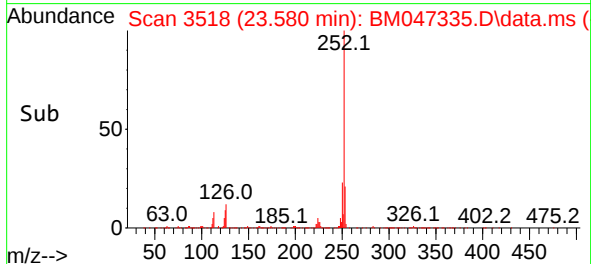
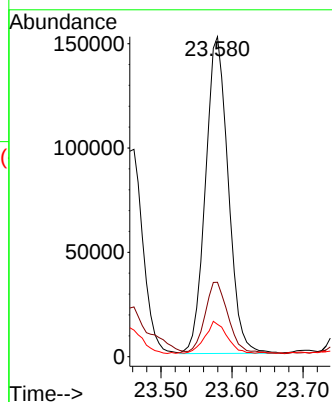
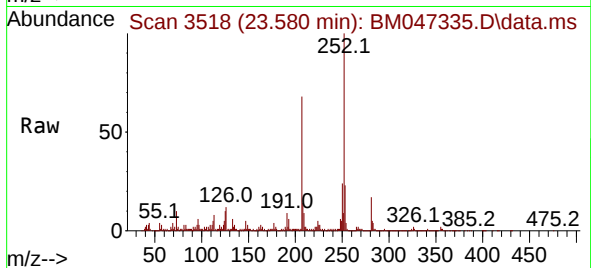
Tgt Ion:252 Resp: 337274

Ion Ratio Lower Upper

252 100

253 23.3 17.1 25.7

125 10.1 8.2 12.2



#92

Benzo(g,h,i)perylene

Concen: 4.110 ng

RT: 27.615 min Scan# 4204

Delta R.T. -0.047 min

Lab File: BM047335.D

Acq: 23 Aug 2024 16:08

Tgt Ion:276 Resp: 225158

Ion Ratio Lower Upper

276 100

277 23.6 18.8 28.2

138 19.6 16.2 24.4

