

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM083024\
 Data File : BM047410.D
 Acq On : 30 Aug 2024 17:39
 Operator : RC/JU
 Sample : P3800-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 RBR20046

Quant Time: Aug 30 18:23:50 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)

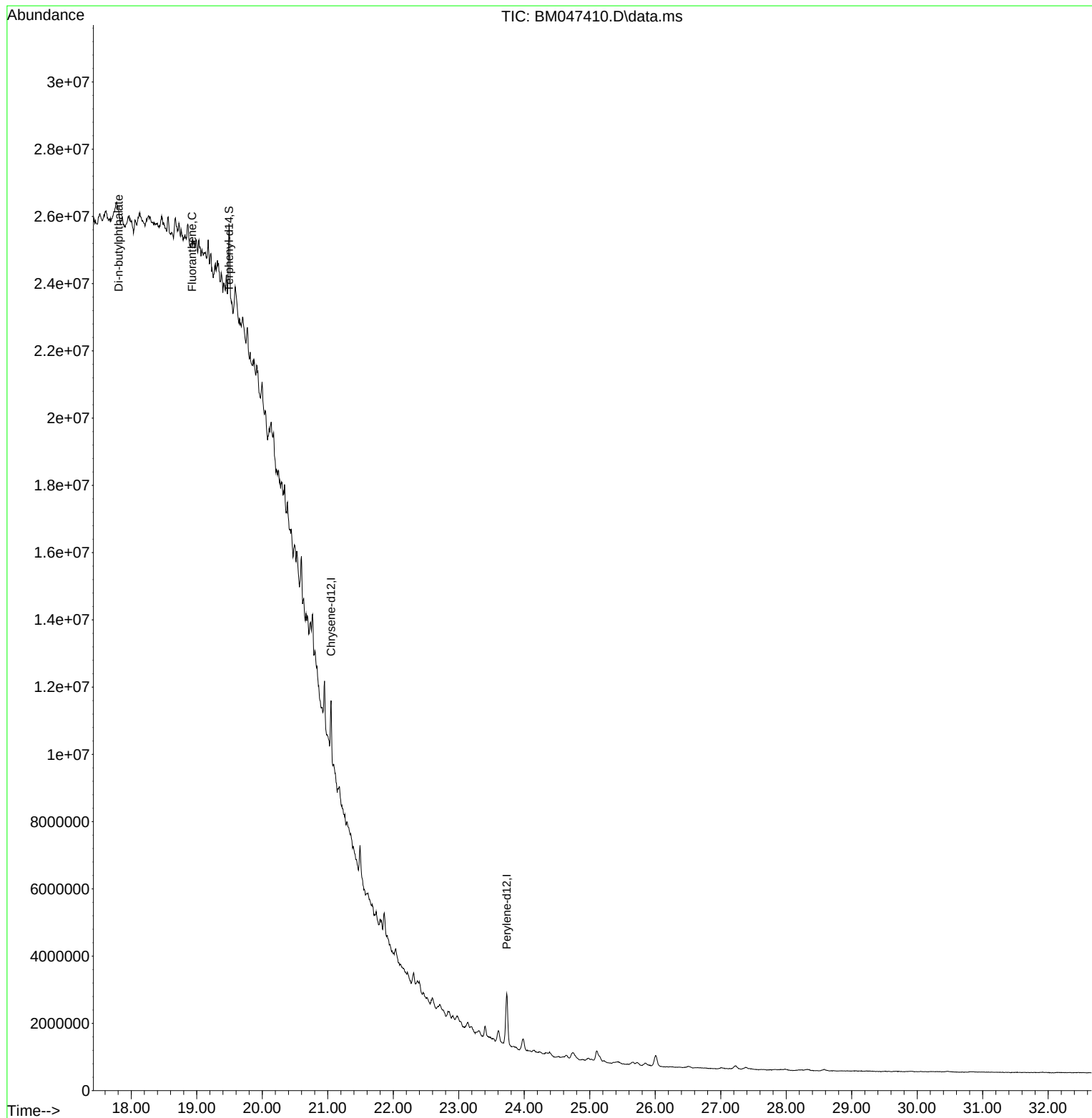
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.345	152	342605	20.000	ng	0.00
21) Naphthalene-d8	10.098	136	1215652	20.000	ng	0.00
39) Acenaphthene-d10	14.016	164	596231	20.000	ng	0.00
64) Phenanthrene-d10	16.845	188	633330	20.000	ng	# 0.07
76) Chrysene-d12	21.050	240	1001003	20.000	ng	0.03
86) Perylene-d12	23.733	264	1281328	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.016	112	95324	5.338	ng	0.01
7) Phenol-d6	6.569	99	632049	25.982	ng	0.00
23) Nitrobenzene-d5	8.492	82	1172304	53.507	ng	0.00
42) 2,4,6-Tribromophenol	15.563	330	2132	0.296	ng	0.04
45) 2-Fluorobiphenyl	12.610	172	2575113	66.361	ng	0.00
79) Terphenyl-d14	19.492	244	2199911	39.118	ng	0.05
Target Compounds						Qvalue
9) Benzaldehyde	6.516	77	570	Below Cal	#	35
49) Acenaphthylene	13.739	152	100460	2.119	ng	# 1
51) 2,6-Dinitrotoluene	13.616	165	76581	8.006	ng	# 37
53) 3-Nitroaniline	13.974	138	98349	11.143	ng	# 20
57) 2,4-Dinitrotoluene	14.439	165	39378	3.180	ng	# 39
61) 4-Chlorophenyl-phenyle...	15.098	204	68531	3.433	ng	# 1
62) 4-Nitroaniline	15.280	138	39269	4.809	ng	# 69
65) 4,6-Dinitro-2-methylph...	15.239	198	7941	2.043	ng	# 1
66) n-Nitrosodiphenylamine	15.380	169	611247	35.272	ng	# 56
69) Atrazine	16.274	200	24332	4.296	ng	# 1
71) Phenanthrene	16.892	178	609077	19.803	ng	# 1
72) Anthracene	17.068	178	135154	4.508	ng	# 1
74) Di-n-butylphthalate	17.809	149	451145	12.877	ng	# 30
75) Fluoranthene	18.927	202	93135	2.579	ng	# 1

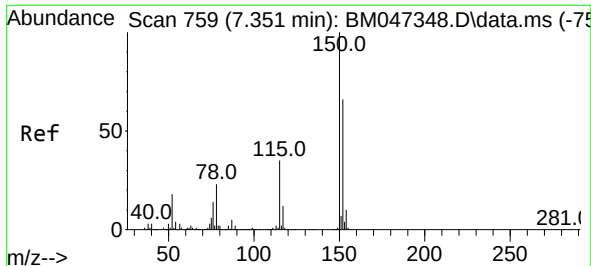
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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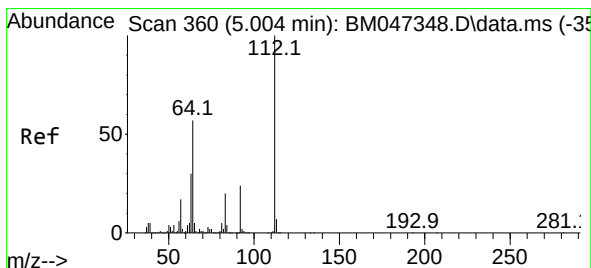
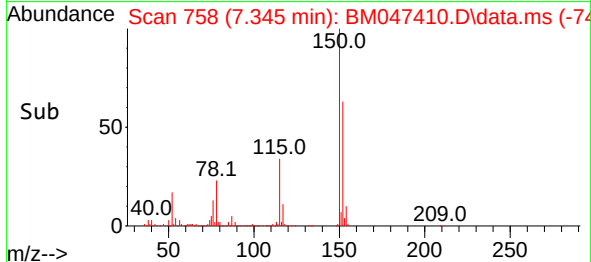
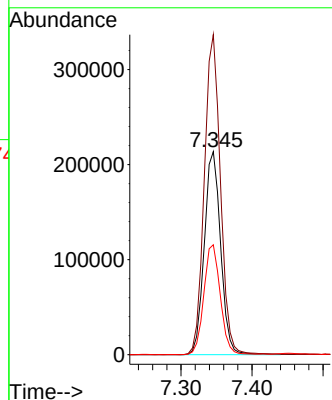
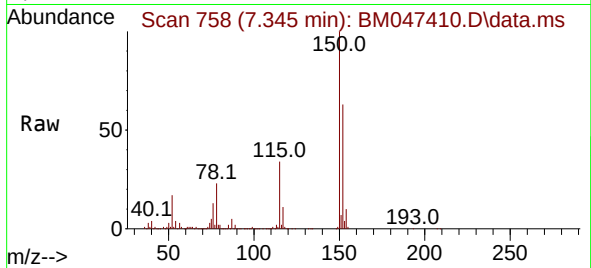




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.345 min Scan# 71
Delta R.T. -0.006 min
Lab File: BM047410.D
Acq: 30 Aug 2024 17:39

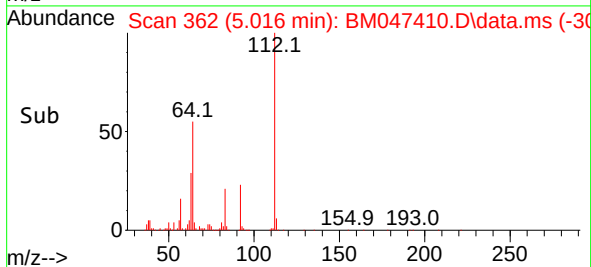
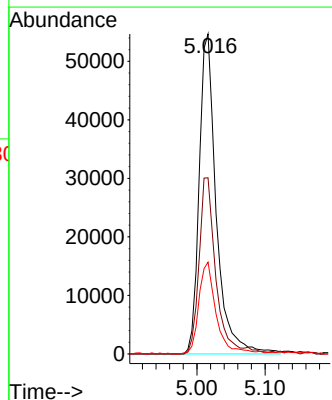
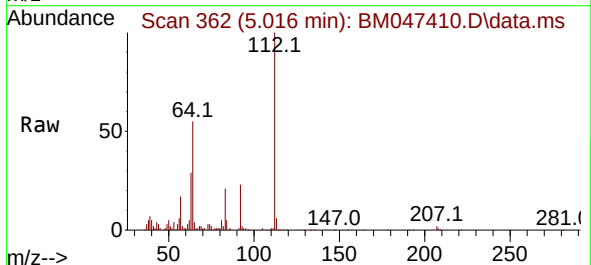
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BNA_M
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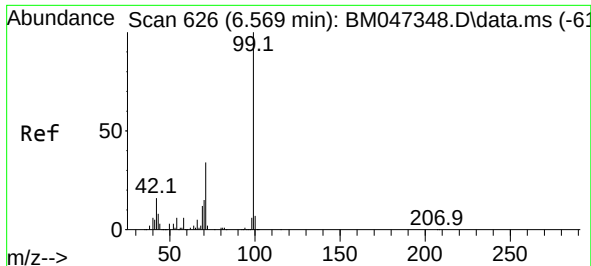
Tgt Ion:152 Resp: 342605
Ion Ratio Lower Upper
152 100
150 157.6 121.3 181.9
115 54.1 42.6 64.0



#5
2-Fluorophenol
Concen: 5.338 ng
RT: 5.016 min Scan# 362
Delta R.T. 0.012 min
Lab File: BM047410.D
Acq: 30 Aug 2024 17:39

Tgt Ion:112 Resp: 95324
Ion Ratio Lower Upper
112 100
64 55.0 45.7 68.5
63 28.7 23.8 35.8

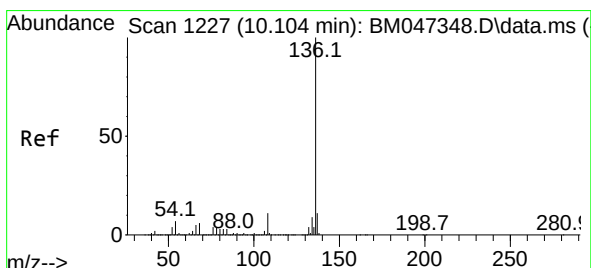
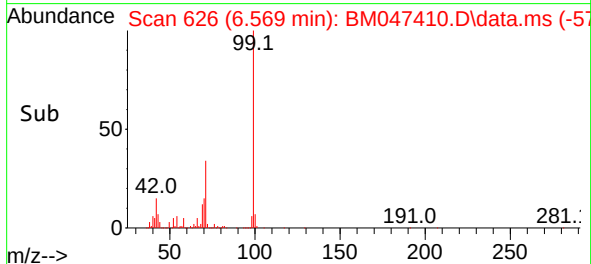
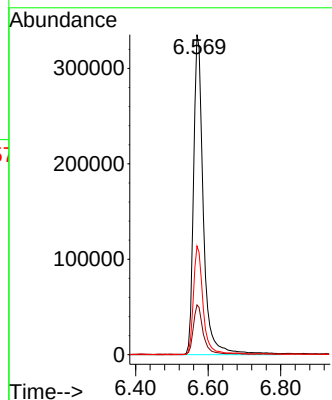
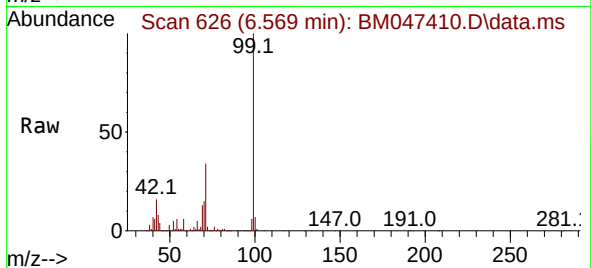




#7
Phenol-d6
Concen: 25.982 ng
RT: 6.569 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM047410.D
Acq: 30 Aug 2024 17:39

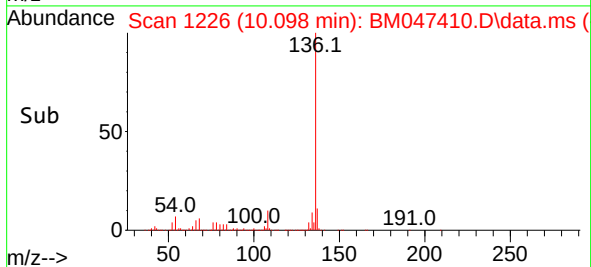
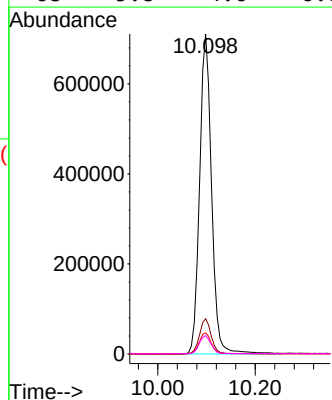
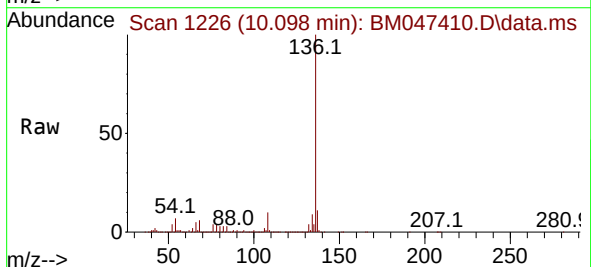
Instrument :
BNA_M
ClientSampleId :
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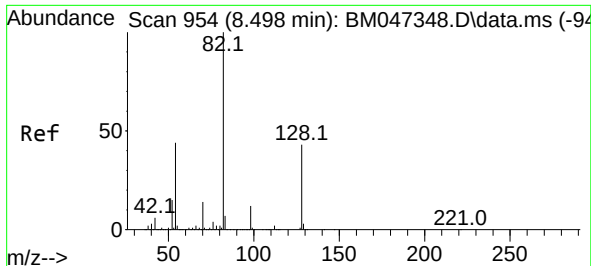
Tgt Ion: 99 Resp: 632049
Ion Ratio Lower Upper
99 100
42 15.5 13.0 19.4
71 33.9 27.5 41.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.098 min Scan# 1226
Delta R.T. -0.006 min
Lab File: BM047410.D
Acq: 30 Aug 2024 17:39

Tgt Ion: 136 Resp: 1215652
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 6.6 5.2 7.8
68 5.8 4.6 6.8

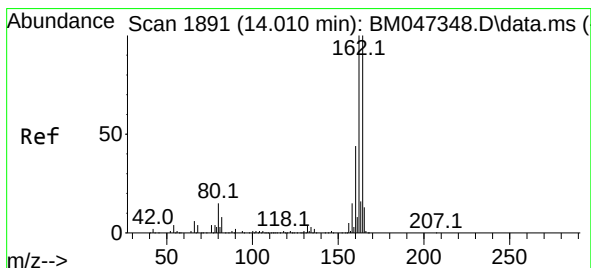
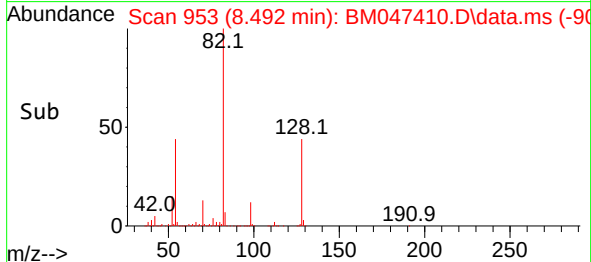
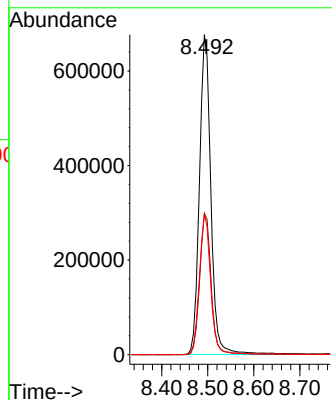
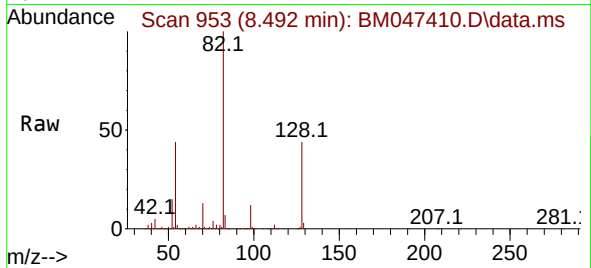




#23
Nitrobenzene-d5
Concen: 53.507 ng
RT: 8.492 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM047410.D
Acq: 30 Aug 2024 17:39

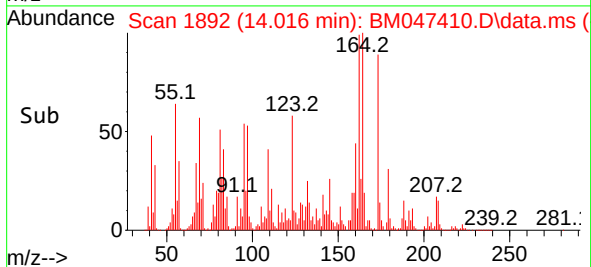
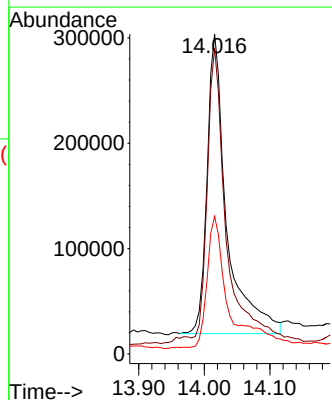
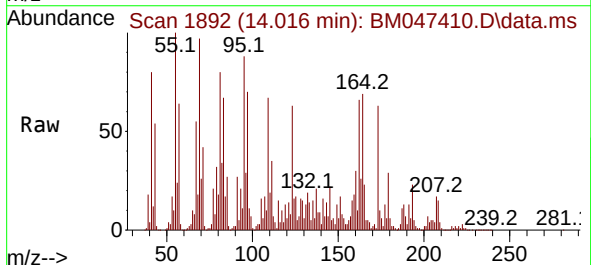
Instrument :
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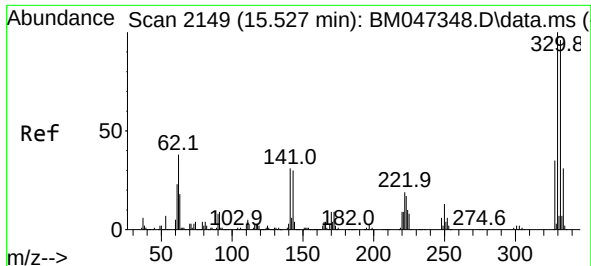
Tgt Ion: 82 Resp: 1172304
Ion Ratio Lower Upper
82 100
128 44.2 34.6 51.8
54 43.9 35.5 53.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.016 min Scan# 1892
Delta R.T. 0.006 min
Lab File: BM047410.D
Acq: 30 Aug 2024 17:39

Tgt Ion:164 Resp: 596231
Ion Ratio Lower Upper
164 100
162 95.7 79.7 119.5
160 43.0 34.9 52.3

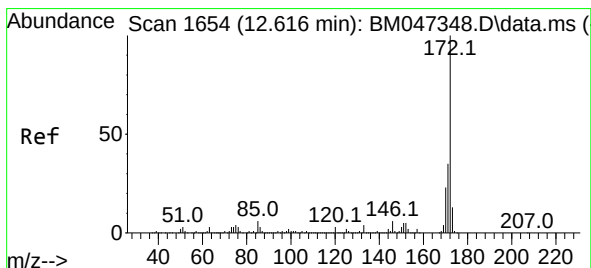
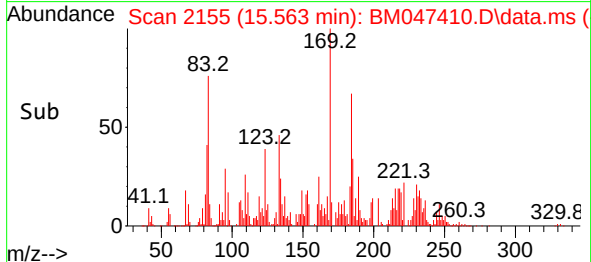
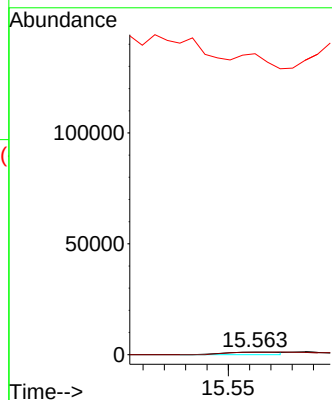
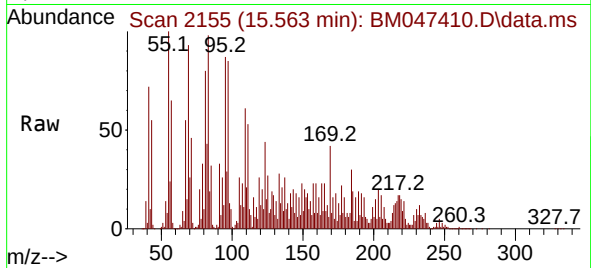




#42
2,4,6-Tribromophenol
Concen: 0.296 ng
RT: 15.563 min Scan# 2149
Delta R.T. 0.035 min
Lab File: BM047410.D
Acq: 30 Aug 2024 17:39

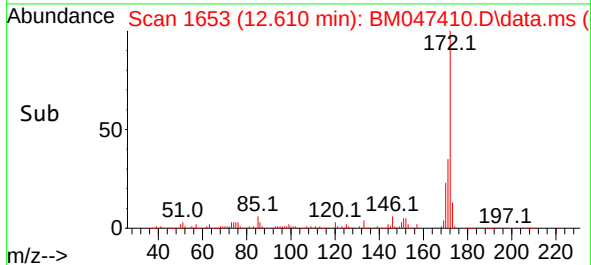
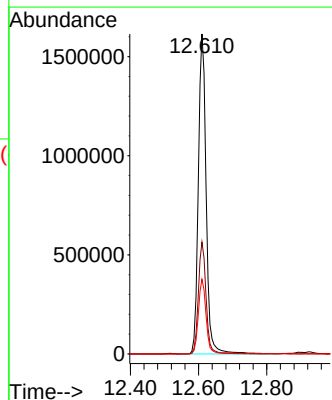
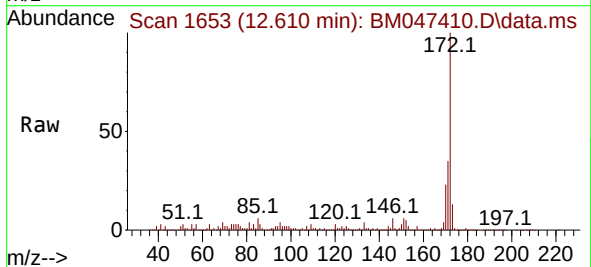
Instrument :
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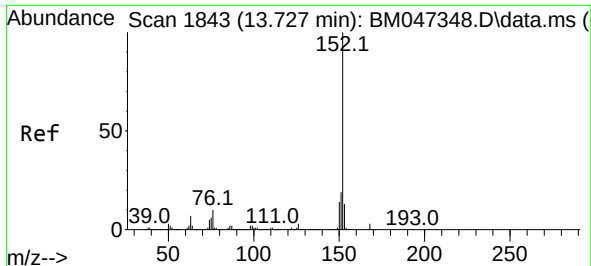
Tgt Ion:330 Resp: 2132
Ion Ratio Lower Upper
330 100
332 211.7 77.2 115.8#
141 0.0 27.6 41.4#



#45
2-Fluorobiphenyl
Concen: 66.361 ng
RT: 12.610 min Scan# 1653
Delta R.T. -0.006 min
Lab File: BM047410.D
Acq: 30 Aug 2024 17:39

Tgt Ion:172 Resp: 2575113
Ion Ratio Lower Upper
172 100
171 35.0 27.8 41.6
170 23.3 18.5 27.7

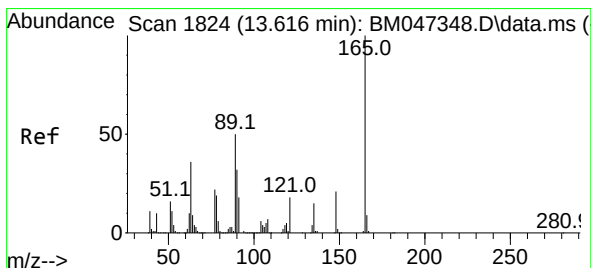
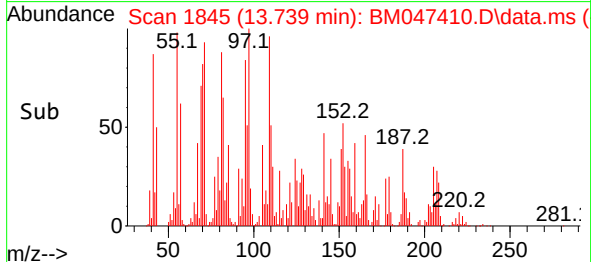
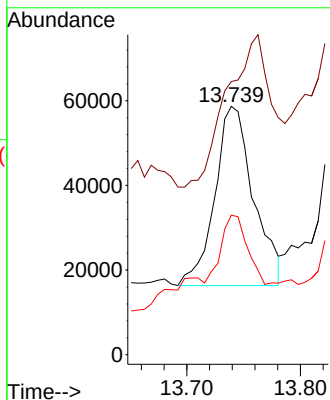
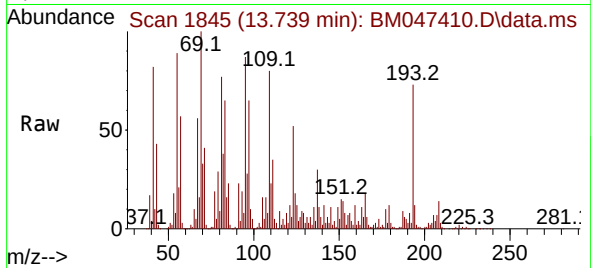




#49
Acenaphthylene
Concen: 2.119 ng
RT: 13.739 min Scan# 1845
Delta R.T. 0.012 min
Lab File: BM047410.D
Acq: 30 Aug 2024 17:39

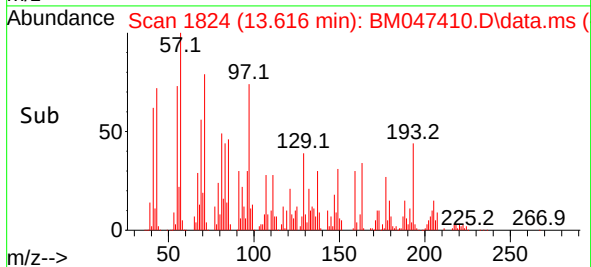
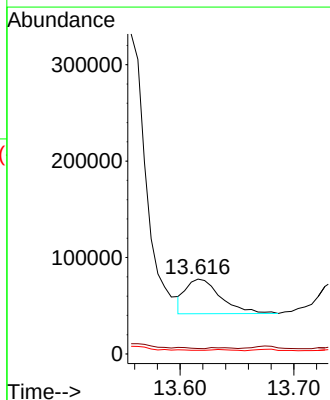
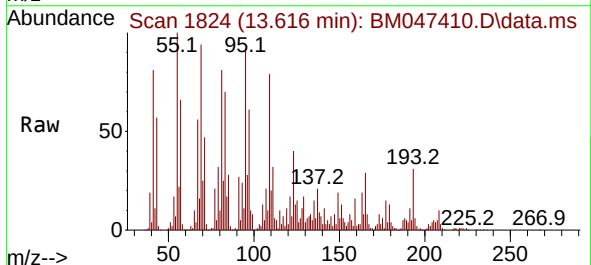
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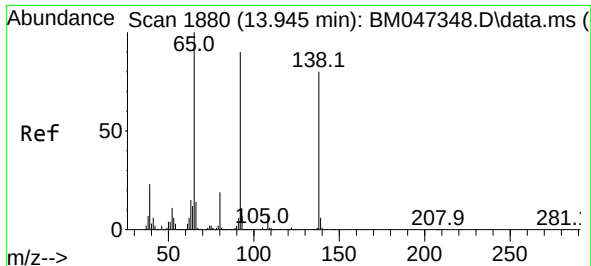
Tgt Ion:152 Resp: 100460
Ion Ratio Lower Upper
152 100
151 110.0 15.4 23.0#
153 56.2 10.6 15.8#



#51
2,6-Dinitrotoluene
Concen: 8.006 ng
RT: 13.616 min Scan# 1824
Delta R.T. -0.000 min
Lab File: BM047410.D
Acq: 30 Aug 2024 17:39

Tgt Ion:165 Resp: 76581
Ion Ratio Lower Upper
165 100
63 7.2 38.2 57.4#
89 4.9 40.4 60.6#

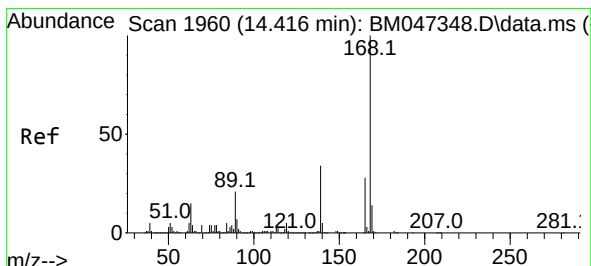
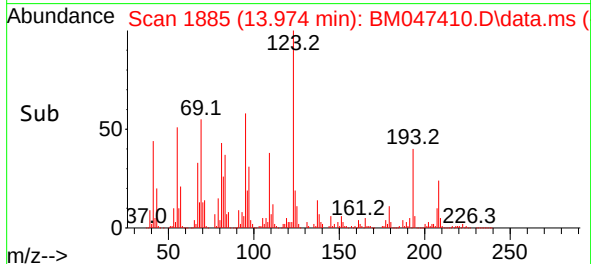
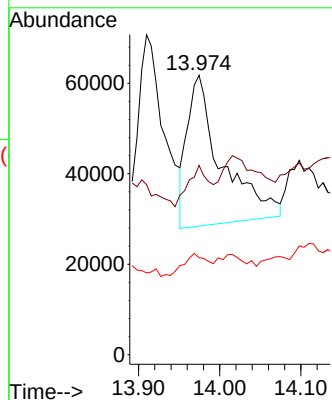
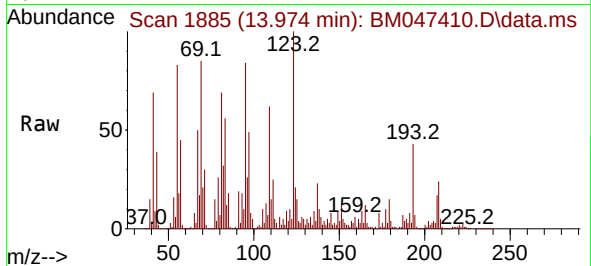




#53
3-Nitroaniline
Concen: 11.143 ng
RT: 13.974 min Scan# 1885
Delta R.T. 0.029 min
Lab File: BM047410.D
Acq: 30 Aug 2024 17:39

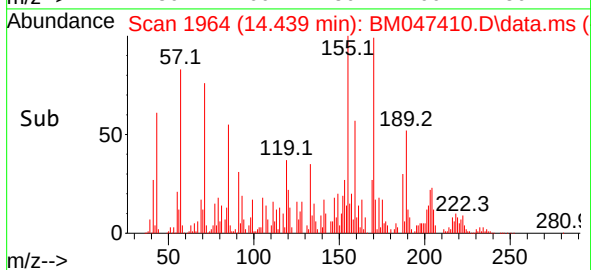
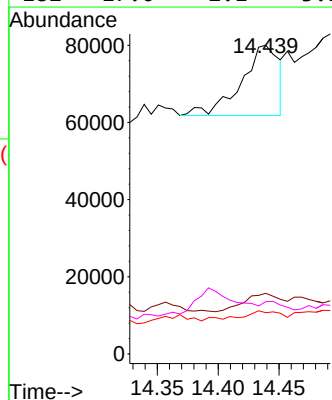
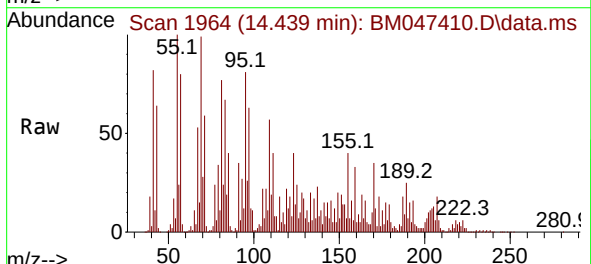
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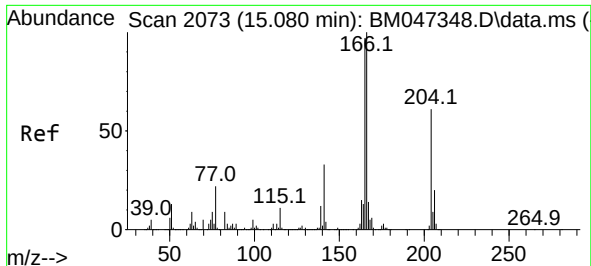
Tgt Ion:138 Resp: 98349
Ion Ratio Lower Upper
138 100
108 67.7 8.0 12.0#
92 34.7 90.1 135.1#



#57
2,4-Dinitrotoluene
Concen: 3.180 ng
RT: 14.439 min Scan# 1964
Delta R.T. 0.024 min
Lab File: BM047410.D
Acq: 30 Aug 2024 17:39

Tgt Ion:165 Resp: 39378
Ion Ratio Lower Upper
165 100
63 19.6 42.2 63.4#
89 13.4 59.3 88.9#
182 17.0 2.1 3.1#

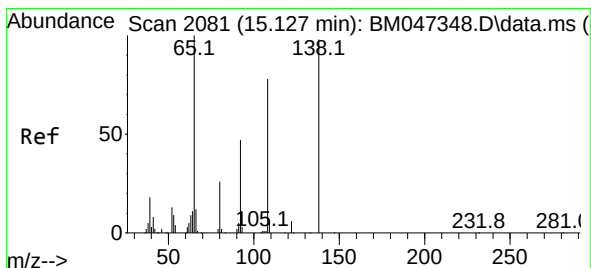
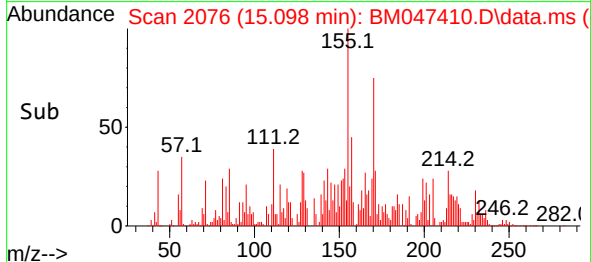
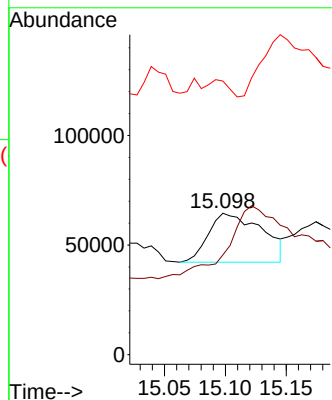
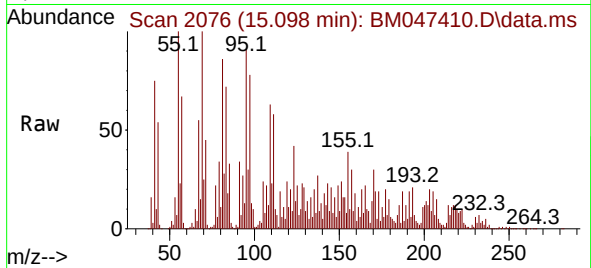




#61
4-Chlorophenyl-phenylether
Concen: 3.433 ng
RT: 15.098 min Scan# 2076
Delta R.T. 0.018 min
Lab File: BM047410.D
Acq: 30 Aug 2024 17:39

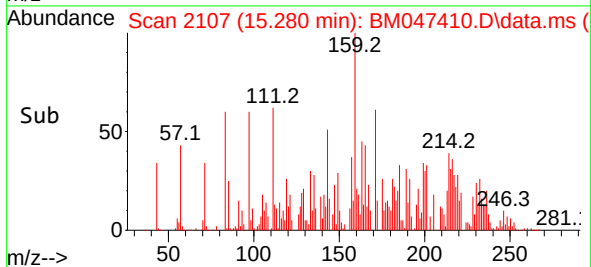
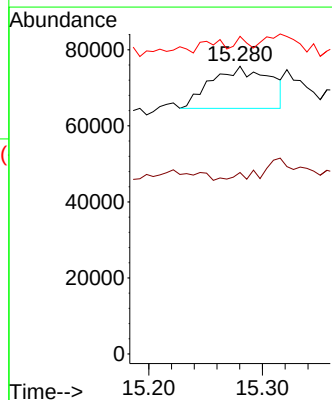
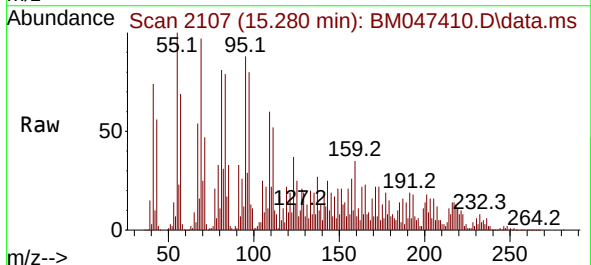
Instrument :
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ClientSampleId :
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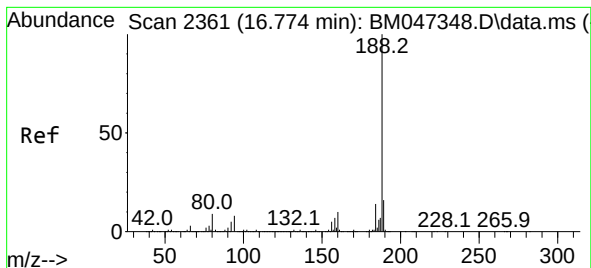
Tgt Ion:204 Resp: 68531
Ion Ratio Lower Upper
204 100
206 70.6 26.5 39.7#
141 193.6 42.8 64.2#



#62
4-Nitroaniline
Concen: 4.809 ng
RT: 15.280 min Scan# 2107
Delta R.T. 0.153 min
Lab File: BM047410.D
Acq: 30 Aug 2024 17:39

Tgt Ion:138 Resp: 39269
Ion Ratio Lower Upper
138 100
92 63.0 27.9 67.9
108 110.4 58.7 98.7#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.845 min Scan# 2100

Delta R.T. 0.071 min

Lab File: BM047410.D

Acq: 30 Aug 2024 17:39

Instrument :

BNA_M

ClientSampleId :

RBR20046

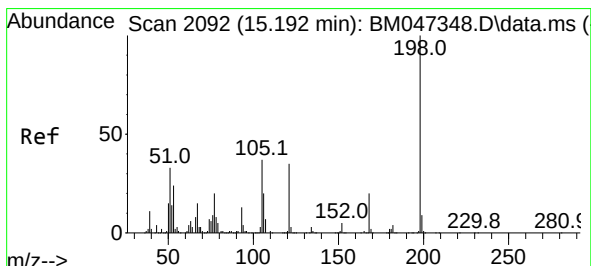
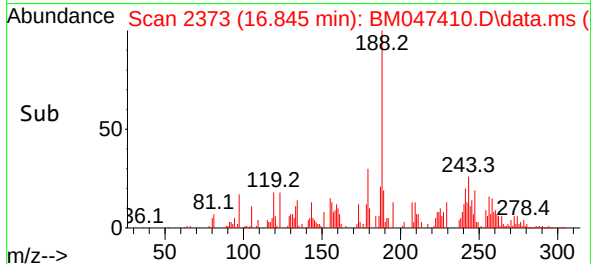
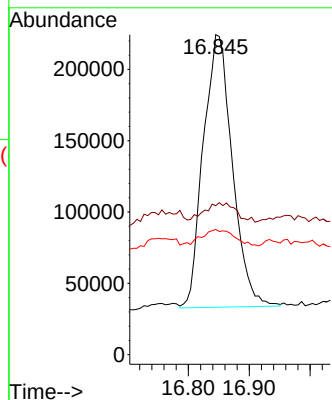
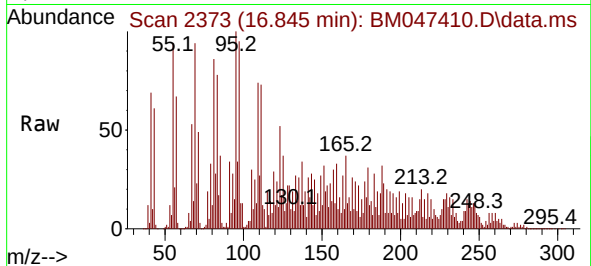
Tgt Ion:188 Resp: 633330

Ion Ratio Lower Upper

188 100

94 46.6 6.4 9.6#

80 39.1 7.4 11.2#



#65

4,6-Dinitro-2-methylphenol

Concen: 2.043 ng

RT: 15.239 min Scan# 2100

Delta R.T. 0.047 min

Lab File: BM047410.D

Acq: 30 Aug 2024 17:39

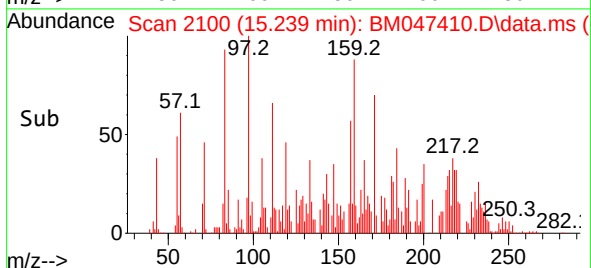
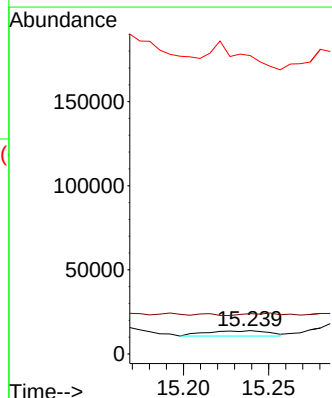
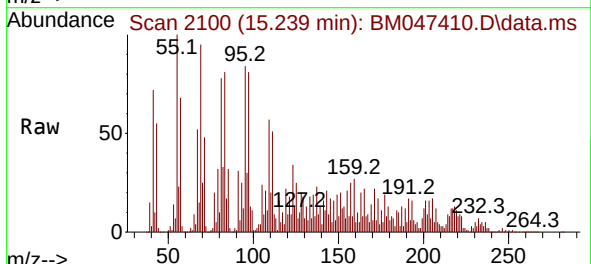
Tgt Ion:198 Resp: 7941

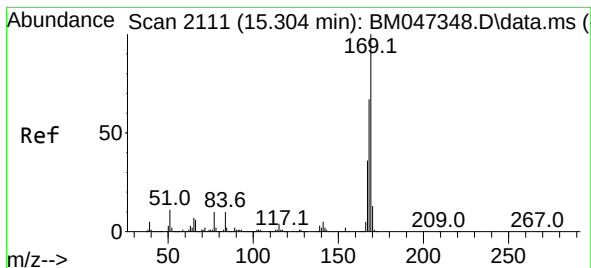
Ion Ratio Lower Upper

198 100

51 172.9 14.1 54.1#

105 1276.8 17.0 57.0#





#66

n-Nitrosodiphenylamine

Concen: 35.272 ng

RT: 15.380 min Scan# 2111

Delta R.T. 0.077 min

Lab File: BM047410.D

Acq: 30 Aug 2024 17:39

Instrument :

BNA_M

ClientSampleId :

RBR20046

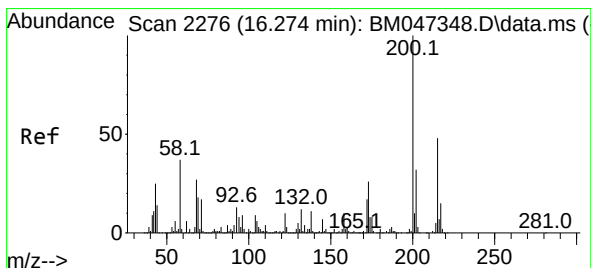
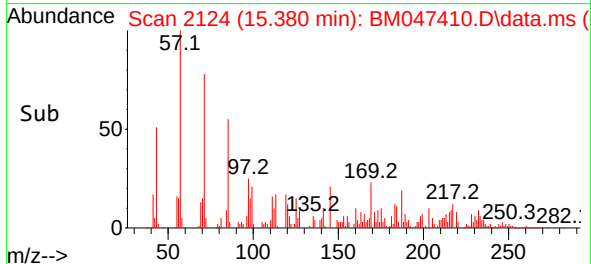
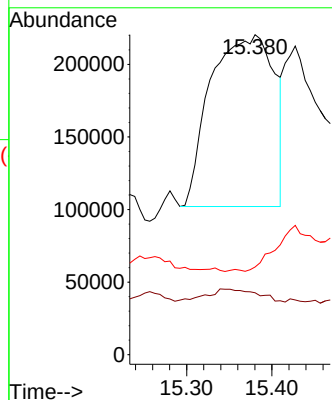
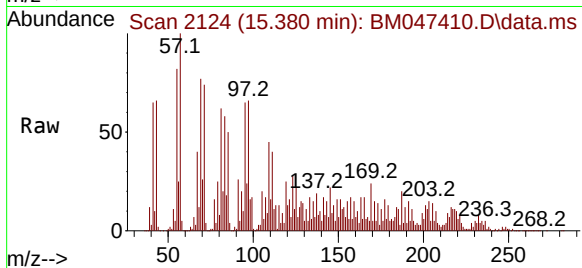
Tgt Ion:169 Resp: 611247

Ion Ratio Lower Upper

169 100

168 19.3 53.4 80.0#

167 27.4 29.0 43.4#



#69

Atrazine

Concen: 4.296 ng

RT: 16.274 min Scan# 2276

Delta R.T. 0.000 min

Lab File: BM047410.D

Acq: 30 Aug 2024 17:39

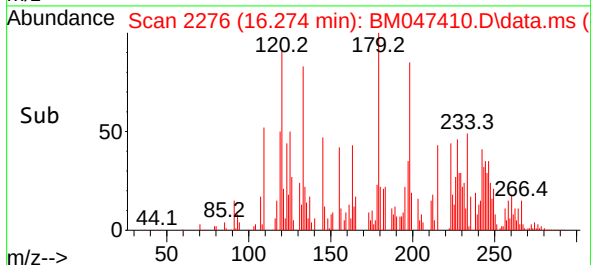
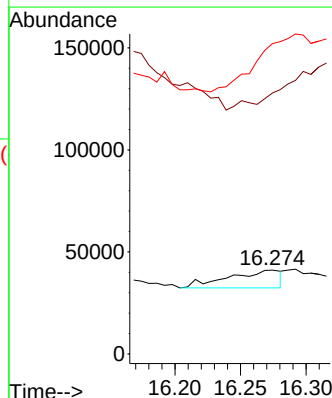
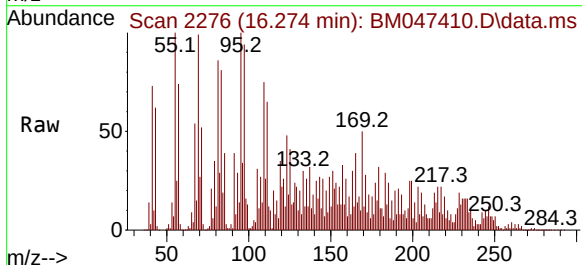
Tgt Ion:200 Resp: 24332

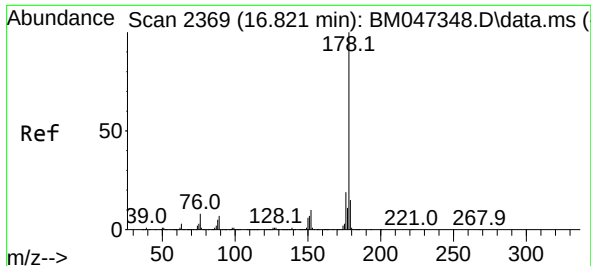
Ion Ratio Lower Upper

200 100

173 310.9 5.8 45.8#

215 370.0 28.3 68.3#

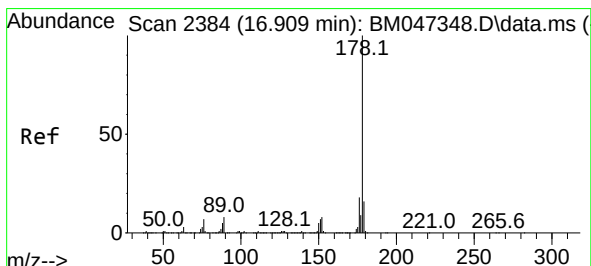
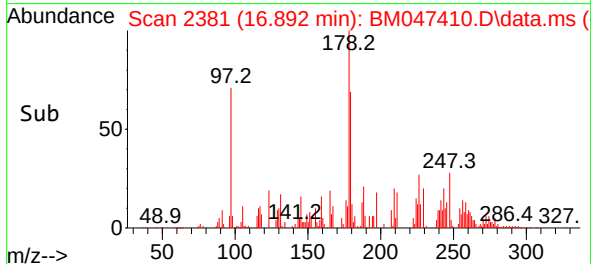
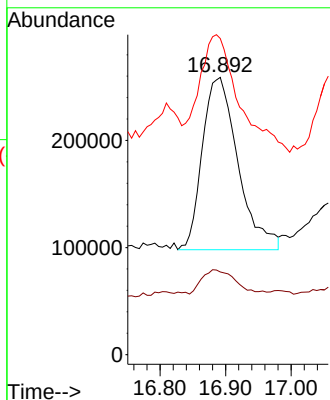
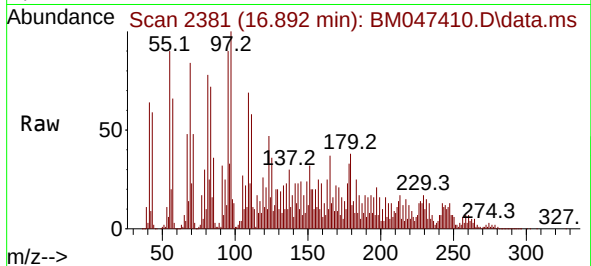




#71
Phenanthrene
Concen: 19.803 ng
RT: 16.892 min Scan# 2111
Delta R.T. 0.071 min
Lab File: BM047410.D
Acq: 30 Aug 2024 17:39

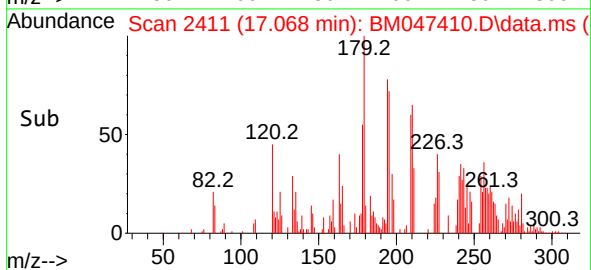
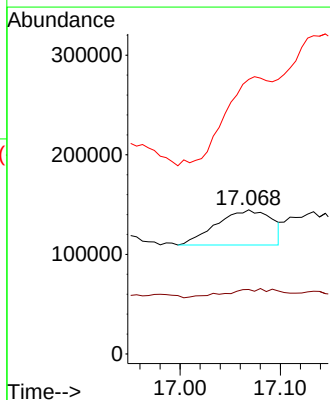
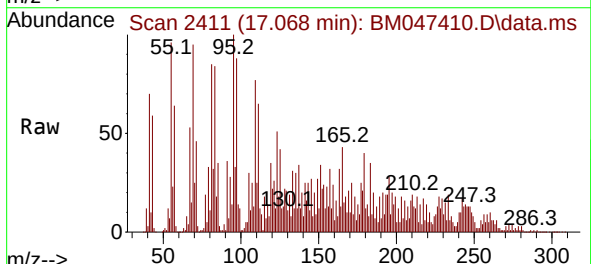
Instrument :
BNA_M
ClientSampleId :
RBR20046

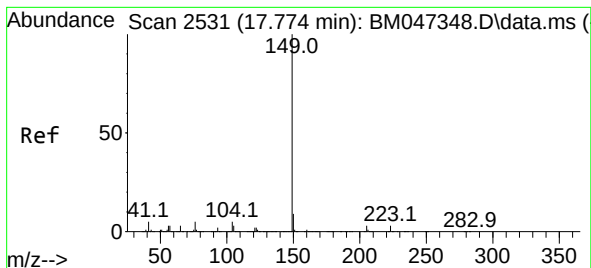
Tgt Ion:178 Resp: 609077
Ion Ratio Lower Upper
178 100
176 29.9 15.2 22.8#
179 114.0 12.2 18.4#



#72
Anthracene
Concen: 4.508 ng
RT: 17.068 min Scan# 2411
Delta R.T. 0.159 min
Lab File: BM047410.D
Acq: 30 Aug 2024 17:39

Tgt Ion:178 Resp: 135154
Ion Ratio Lower Upper
178 100
176 44.7 14.7 22.1#
179 190.3 12.6 18.8#





#74

Di-n-butylphthalate

Concen: 12.877 ng

RT: 17.809 min Scan# 2

Delta R.T. 0.035 min

Lab File: BM047410.D

Acq: 30 Aug 2024 17:39

Instrument :

BNA_M

ClientSampleId :

RBR20046

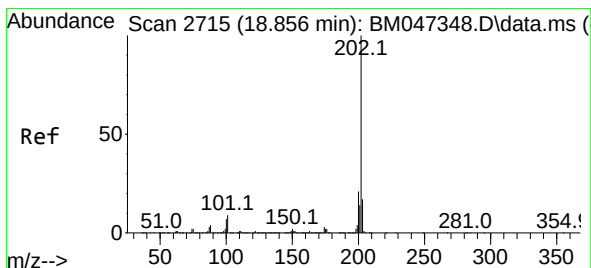
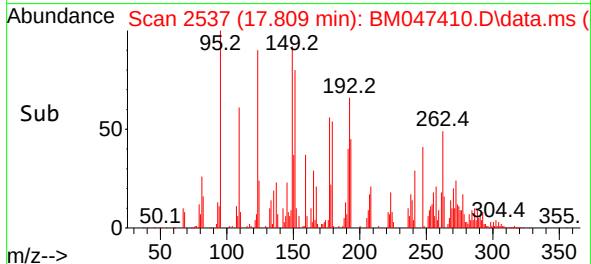
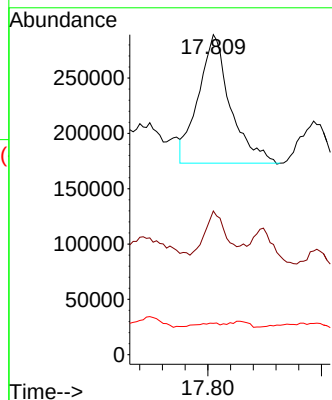
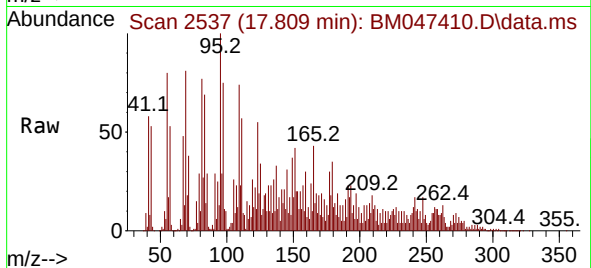
Tgt Ion:149 Resp: 451145

Ion Ratio Lower Upper

149 100

150 44.9 7.4 11.0#

104 9.8 3.8 5.6#



#75

Fluoranthene

Concen: 2.579 ng

RT: 18.927 min Scan# 2727

Delta R.T. 0.071 min

Lab File: BM047410.D

Acq: 30 Aug 2024 17:39

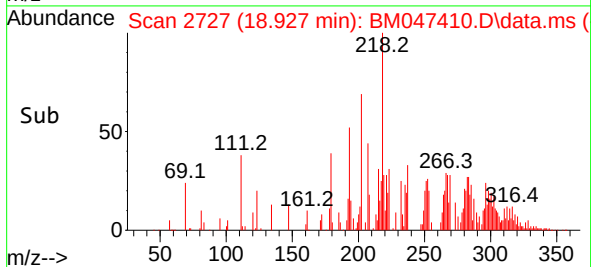
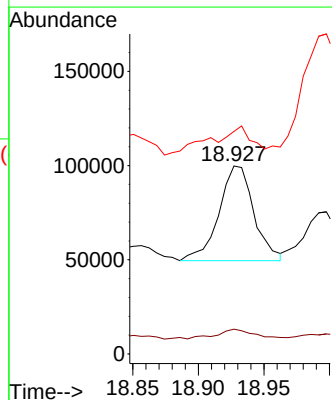
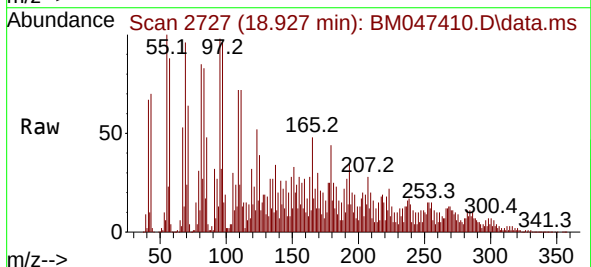
Tgt Ion:202 Resp: 93135

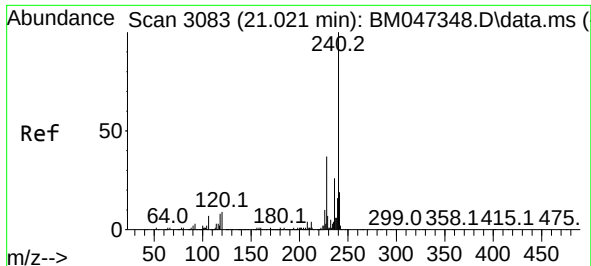
Ion Ratio Lower Upper

202 100

101 13.2 0.0 29.0

203 118.4 0.0 37.5#

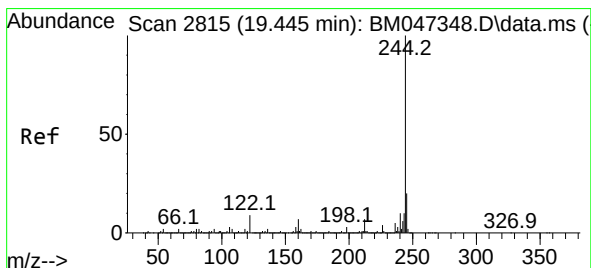
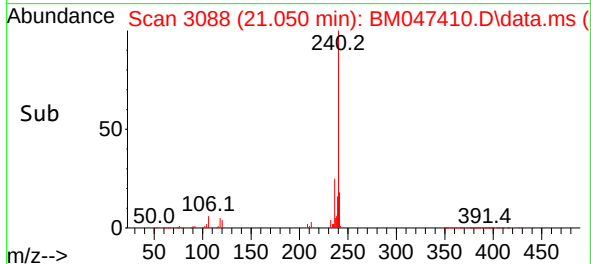
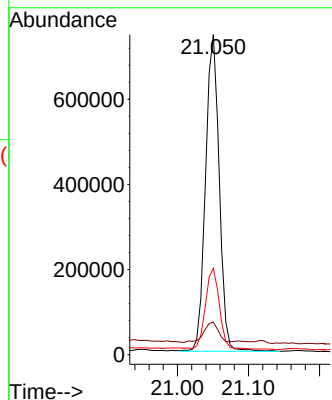
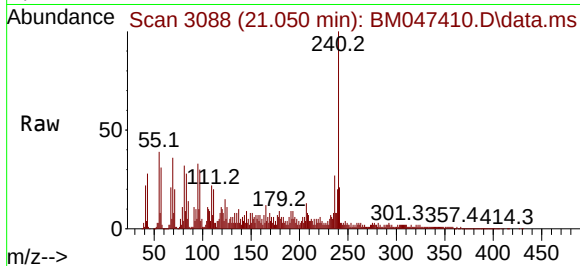




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.050 min Scan# 3083
Delta R.T. 0.029 min
Lab File: BM047410.D
Acq: 30 Aug 2024 17:39

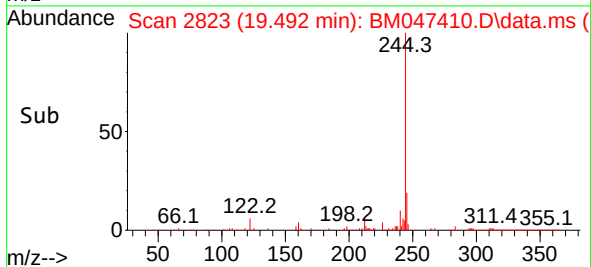
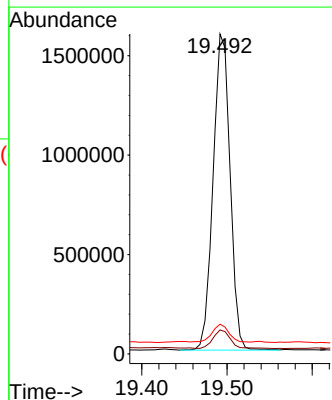
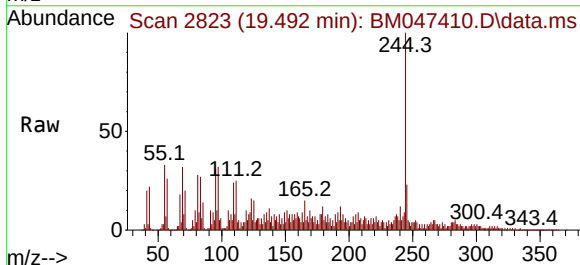
Instrument :
BNA_M
ClientSampleId :
RBR20046

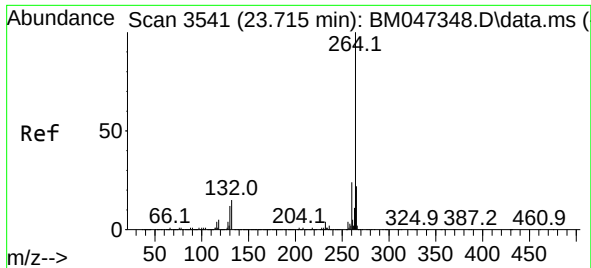
Tgt Ion:240 Resp: 1001003
Ion Ratio Lower Upper
240 100
120 10.1 7.4 11.0
236 26.9 20.8 31.2



#79
Terphenyl-d14
Concen: 39.118 ng
RT: 19.492 min Scan# 2823
Delta R.T. 0.047 min
Lab File: BM047410.D
Acq: 30 Aug 2024 17:39

Tgt Ion:244 Resp: 2199911
Ion Ratio Lower Upper
244 100
212 7.5 6.0 9.0
122 9.3 7.0 10.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.733 min Scan# 31
Delta R.T. 0.018 min
Lab File: BM047410.D
Acq: 30 Aug 2024 17:39

Instrument :
BNA_M
ClientSampleId :
RBR20046

Tgt Ion:264 Resp: 1281328

Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.0	28.4
265	21.7	17.8	26.6

