

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103123\
 Data File : BM042516.D
 Acq On : 31 Oct 2023 18:21
 Operator : MA/JU
 Sample : 05138-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 348

Quant Time: Nov 01 01:48:19 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 31 02:55:18 2023
 Response via : Initial Calibration

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

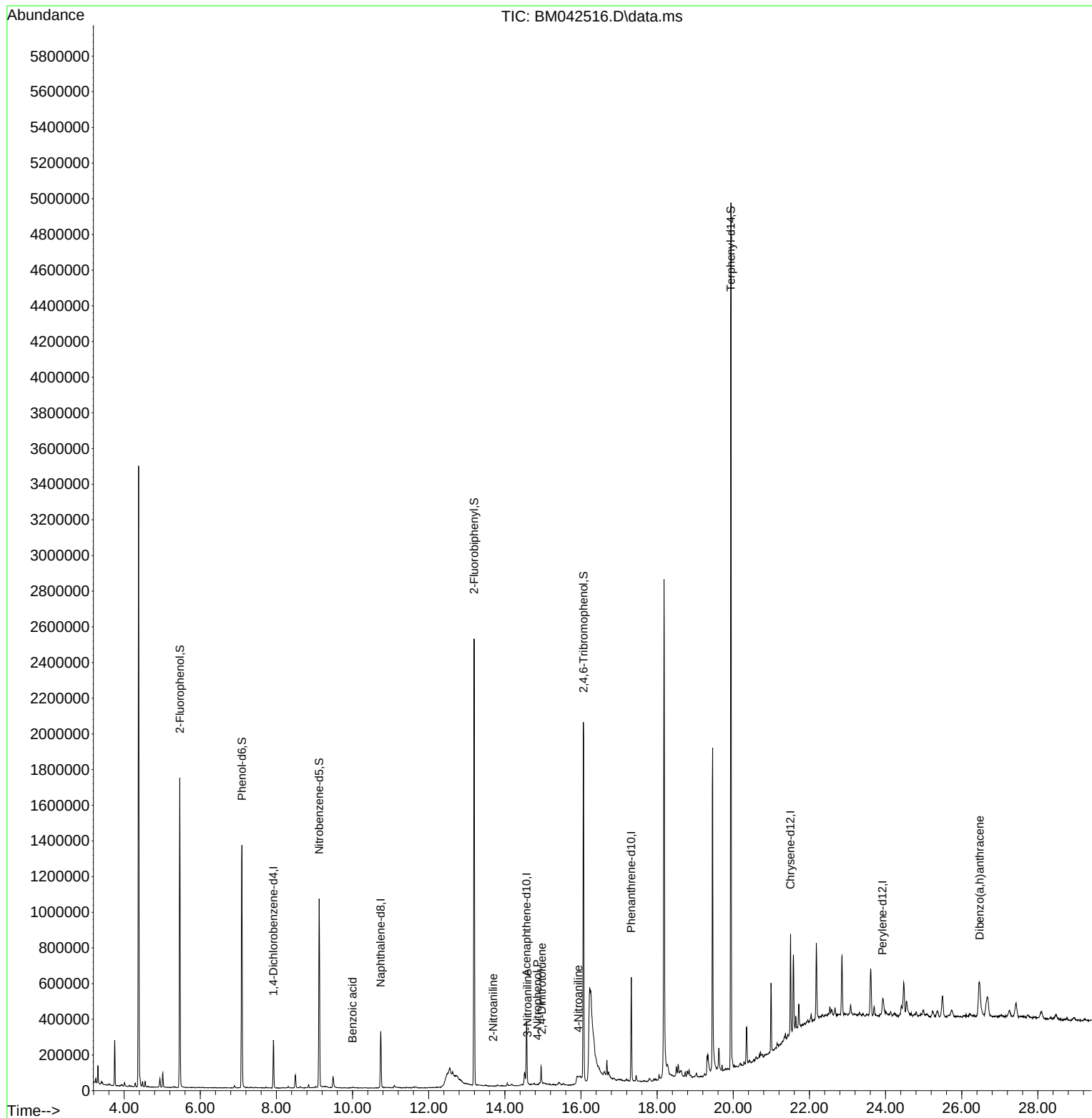
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.922	152	61946	20.000	ng	0.00
21) Naphthalene-d8	10.740	136	226421	20.000	ng	-0.01
39) Acenaphthene-d10	14.569	164	95106	20.000	ng	-0.01
64) Phenanthrene-d10	17.322	188	292918	20.000	ng	0.00
76) Chrysene-d12	21.504	240	217565	20.000	ng	0.00
86) Perylene-d12	23.921	264	40247	20.000	ng	#-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.464	112	612088	159.467	ng	0.00
7) Phenol-d6	7.093	99	621249	118.016	ng	0.00
23) Nitrobenzene-d5	9.122	82	559520	115.196	ng	-0.01
42) 2,4,6-Tribromophenol	16.069	330	308215	248.222	ng	0.00
45) 2-Fluorobiphenyl	13.192	172	1088563	154.014	ng	0.00
79) Terphenyl-d14	19.939	244	1981155	154.403	ng	0.00
Target Compounds						
						Qvalue
32) Benzoic acid	9.999	122	1568	4.647	ng	# 83
48) 2-Nitroaniline	13.692	65	416	4.526	ng	# 13
53) 3-Nitroaniline	14.598	138	139	4.429	ng	# 1
56) 4-Nitrophenol	14.857	139	56	6.992	ng	# 25
57) 2,4-Dinitrotoluene	14.969	165	54	3.994	ng	# 25
62) 4-Nitroaniline	15.928	138	126	5.815	ng	# 1
91) Dibenzo(a,h)anthracene	26.474	278	237	4.236	ng	# 1

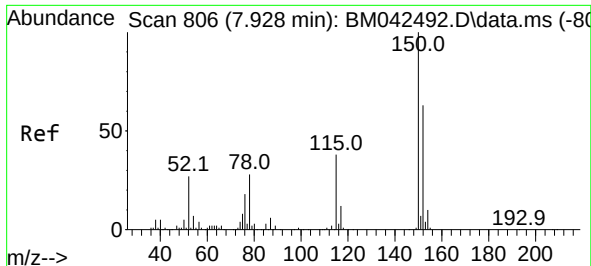
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 01 01:48:19 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
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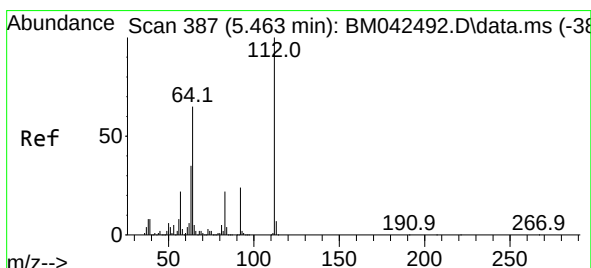
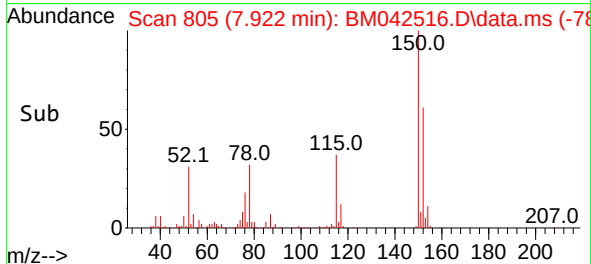
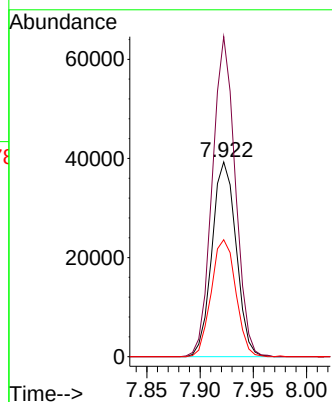
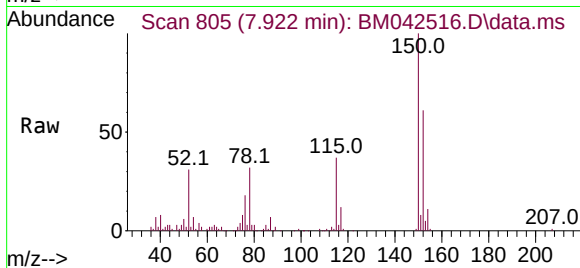




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.922 min Scan# 806
Delta R.T. -0.006 min
Lab File: BM042516.D
Acq: 31 Oct 2023 18:21

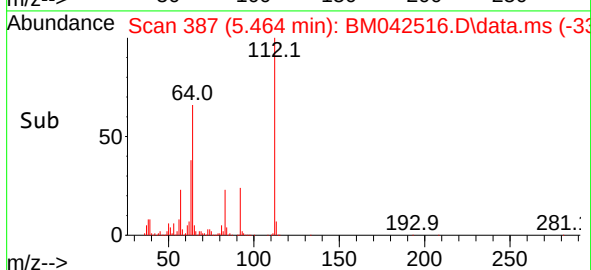
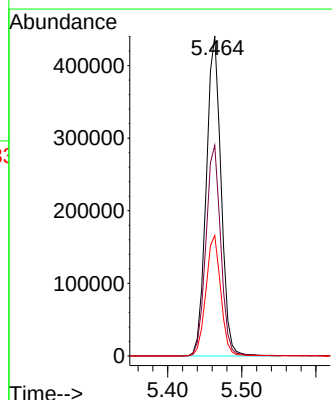
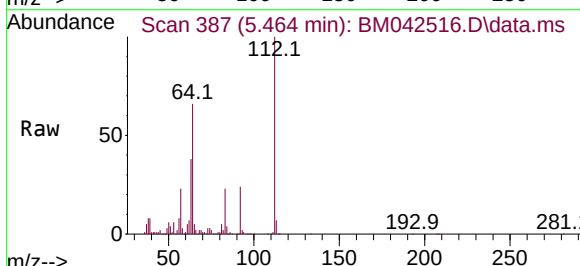
Instrument :
BNA_M
ClientSampleId :
348

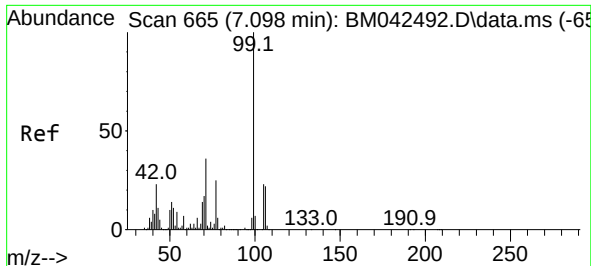
Tgt Ion:152 Resp: 61946
Ion Ratio Lower Upper
152 100
150 164.4 127.4 191.0
115 60.1 47.9 71.9



#5
2-Fluorophenol
Concen: 159.467 ng
RT: 5.464 min Scan# 387
Delta R.T. 0.000 min
Lab File: BM042516.D
Acq: 31 Oct 2023 18:21

Tgt Ion:112 Resp: 612088
Ion Ratio Lower Upper
112 100
64 65.8 52.1 78.1
63 37.6 28.3 42.5

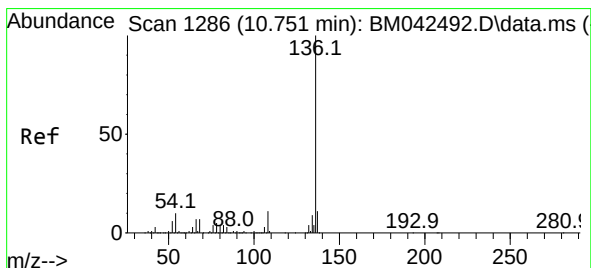
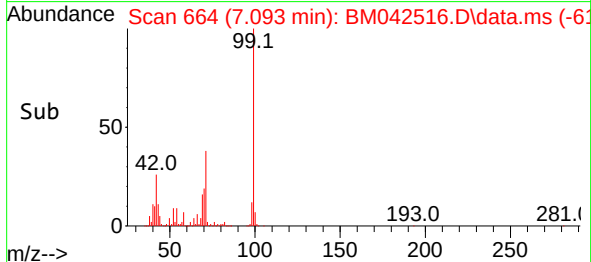
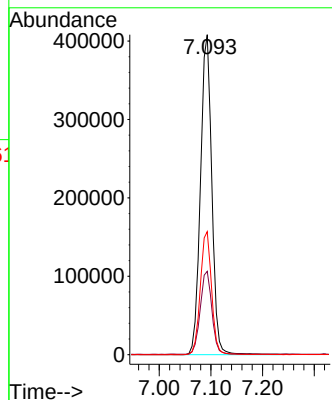
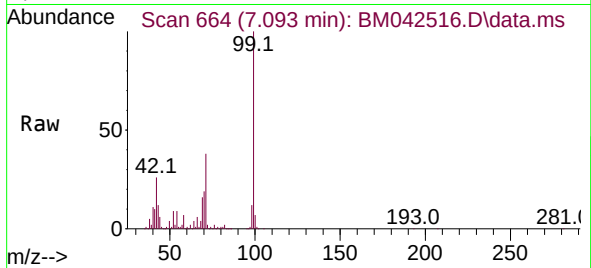




#7
Phenol-d6
Concen: 118.016 ng
RT: 7.093 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM042516.D
Acq: 31 Oct 2023 18:21

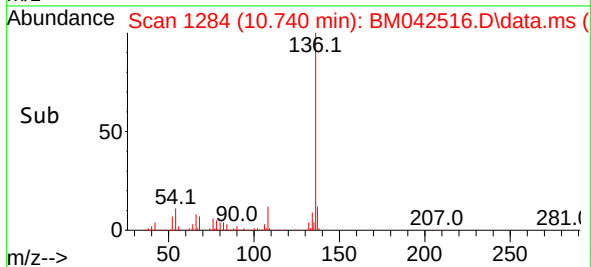
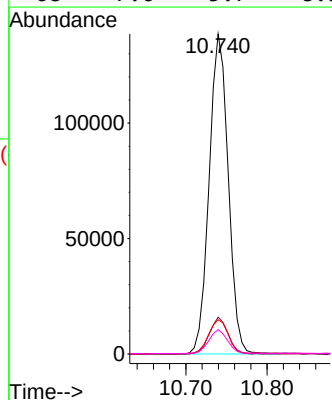
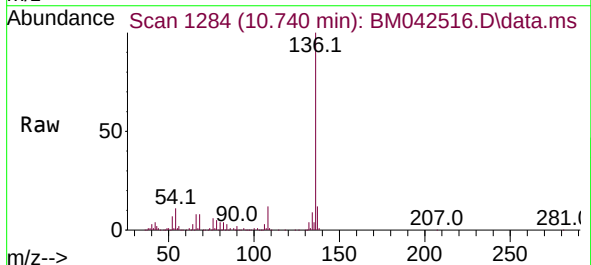
Instrument :
BNA_M
ClientSampleId :
348

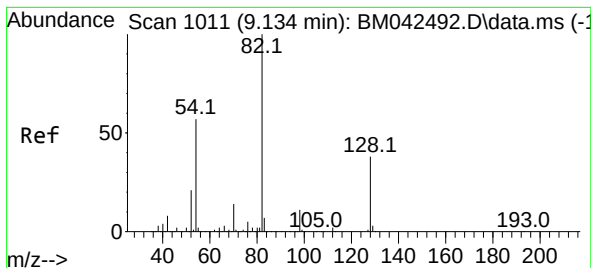
Tgt Ion: 99 Resp: 621249
Ion Ratio Lower Upper
99 100
42 26.0 18.7 28.1
71 38.5 29.1 43.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.740 min Scan# 1284
Delta R.T. -0.011 min
Lab File: BM042516.D
Acq: 31 Oct 2023 18:21

Tgt Ion: 136 Resp: 226421
Ion Ratio Lower Upper
136 100
137 11.5 9.0 13.6
54 10.7 8.0 12.0
68 7.6 5.7 8.5





#23

Nitrobenzene-d5

Concen: 115.196 ng

RT: 9.122 min Scan# 1109

Delta R.T. -0.012 min

Lab File: BM042516.D

Acq: 31 Oct 2023 18:21

Instrument :

BNA_M

ClientSampleId :

348

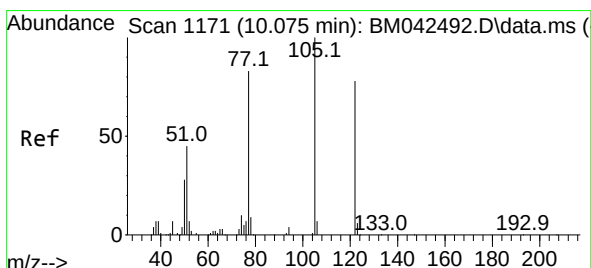
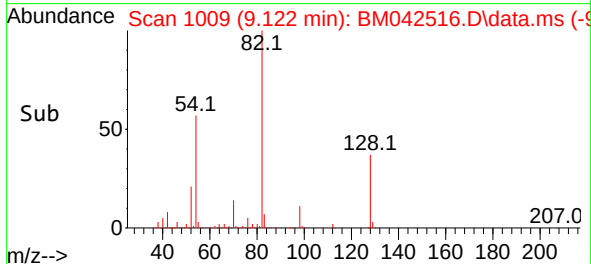
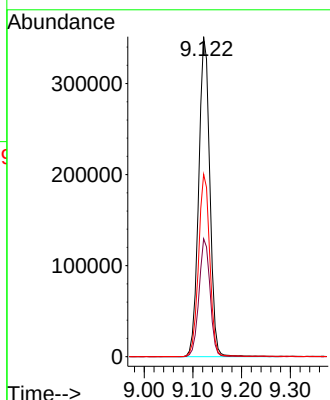
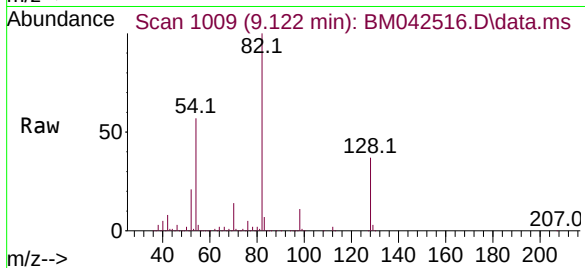
Tgt Ion: 82 Resp: 559520

Ion Ratio Lower Upper

82 100

128 36.8 30.7 46.1

54 57.0 45.3 67.9



#32

Benzoic acid

Concen: 4.647 ng

RT: 9.999 min Scan# 1158

Delta R.T. -0.076 min

Lab File: BM042516.D

Acq: 31 Oct 2023 18:21

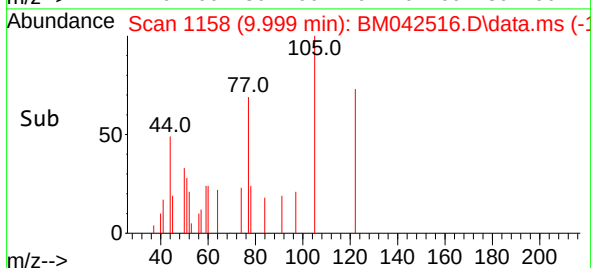
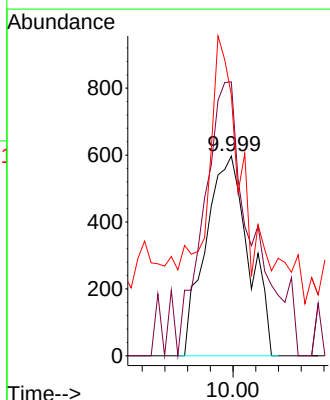
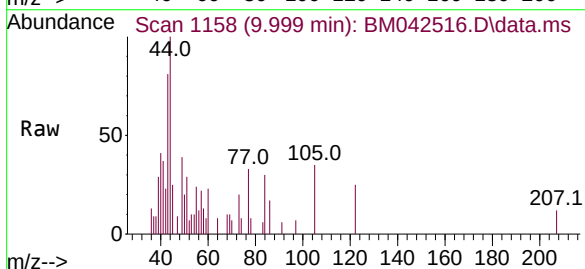
Tgt Ion:122 Resp: 1568

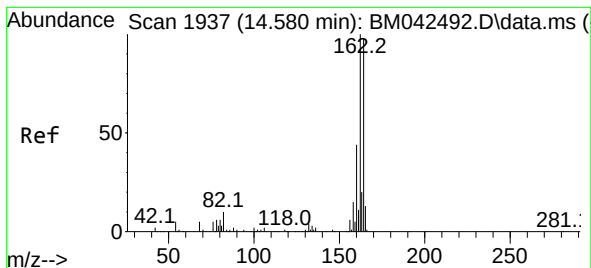
Ion Ratio Lower Upper

122 100

105 137.2 105.2 145.2

77 130.7 84.8 124.8#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.569 min Scan# 1935

Delta R.T. -0.011 min

Lab File: BM042516.D

Acq: 31 Oct 2023 18:21

Instrument :

BNA_M

ClientSampleId :

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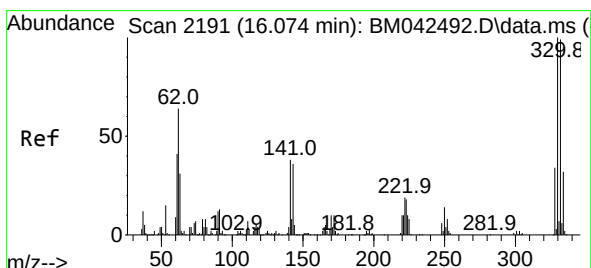
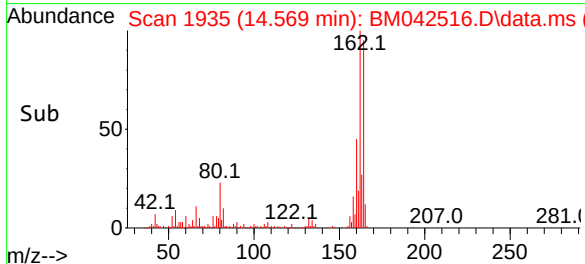
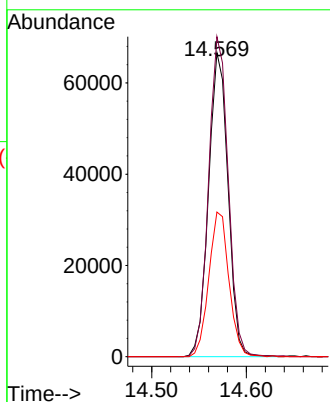
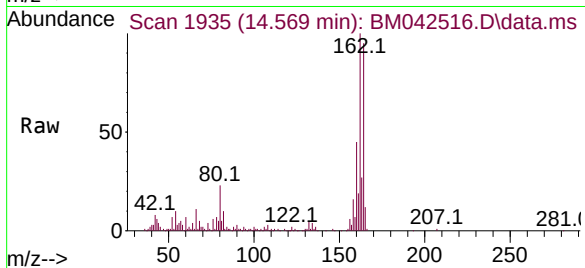
Tgt Ion:164 Resp: 95106

Ion Ratio Lower Upper

164 100

162 105.2 81.6 122.4

160 47.6 36.2 54.4



#42

2,4,6-Tribromophenol

Concen: 248.222 ng

RT: 16.069 min Scan# 2190

Delta R.T. -0.005 min

Lab File: BM042516.D

Acq: 31 Oct 2023 18:21

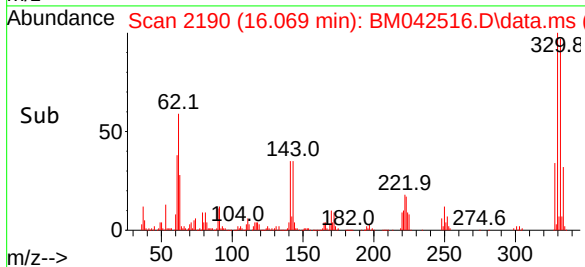
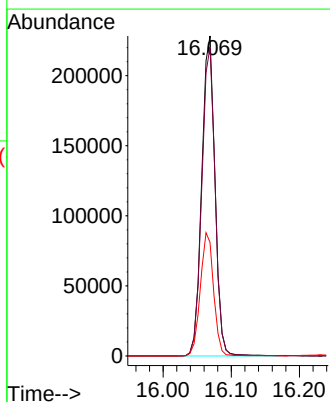
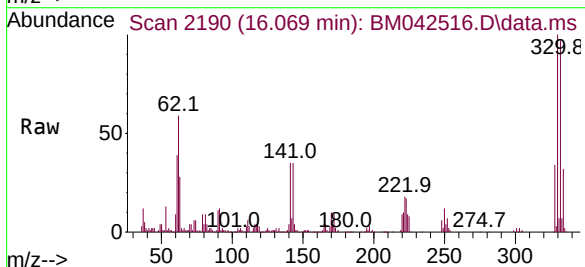
Tgt Ion:330 Resp: 308215

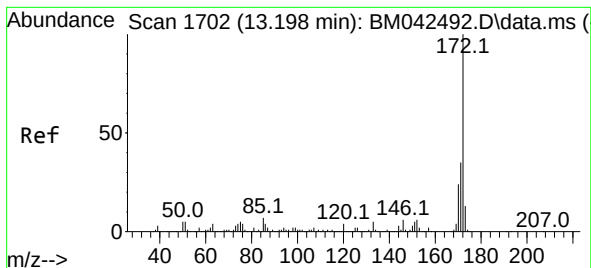
Ion Ratio Lower Upper

330 100

332 96.9 78.8 118.2

141 38.8 31.1 46.7

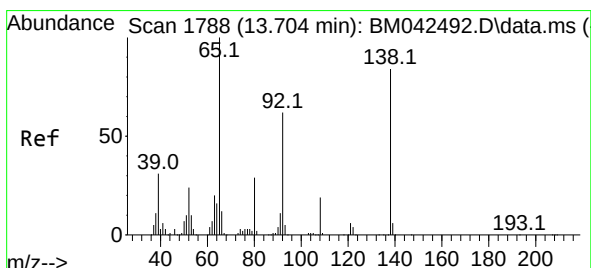
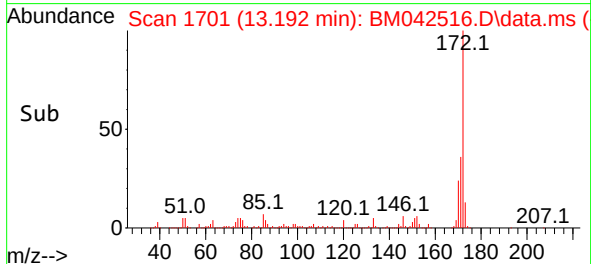
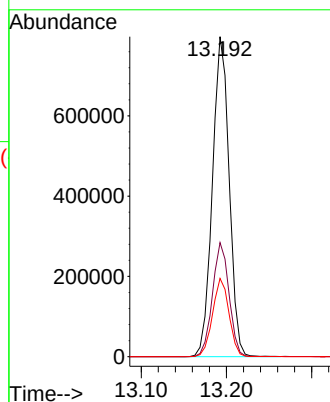
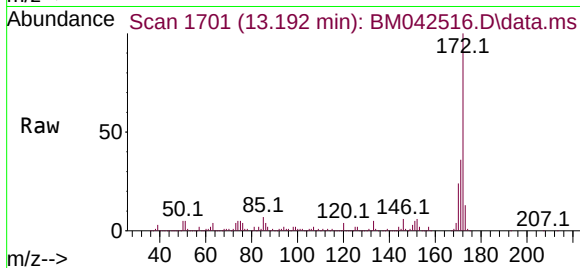




#45
2-Fluorobiphenyl
Concen: 154.014 ng
RT: 13.192 min Scan# 1702
Delta R.T. -0.006 min
Lab File: BM042516.D
Acq: 31 Oct 2023 18:21

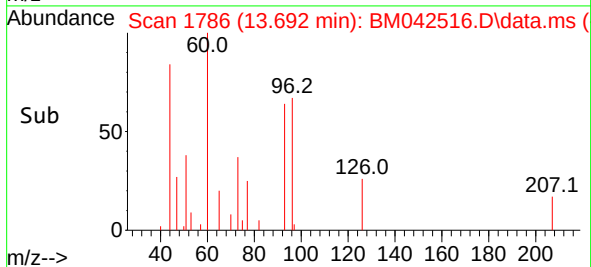
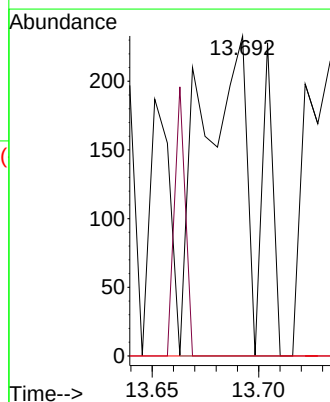
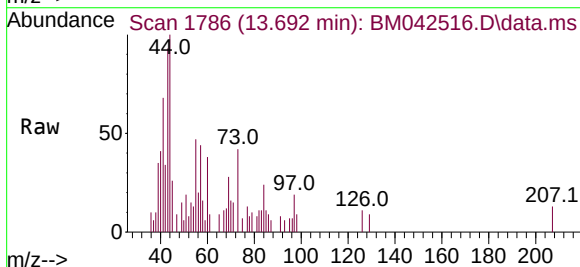
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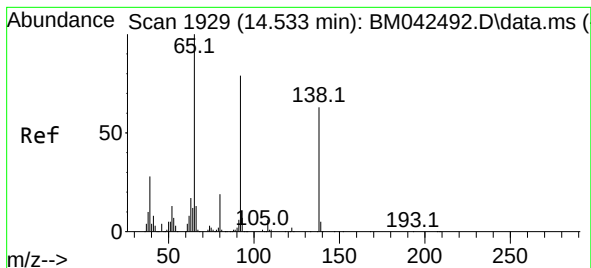
Tgt Ion:172 Resp: 1088563
Ion Ratio Lower Upper
172 100
171 35.7 28.2 42.2
170 24.5 19.0 28.4



#48
2-Nitroaniline
Concen: 4.526 ng
RT: 13.692 min Scan# 1786
Delta R.T. -0.012 min
Lab File: BM042516.D
Acq: 31 Oct 2023 18:21

Tgt Ion: 65 Resp: 416
Ion Ratio Lower Upper
65 100
92 0.0 49.4 74.2#
138 0.0 66.9 100.3#

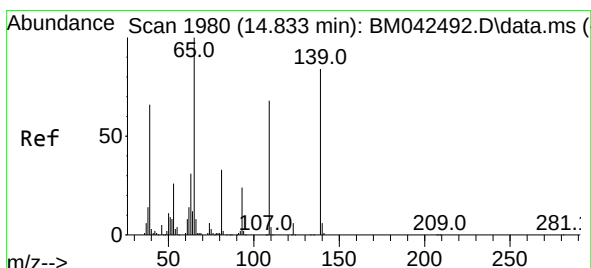
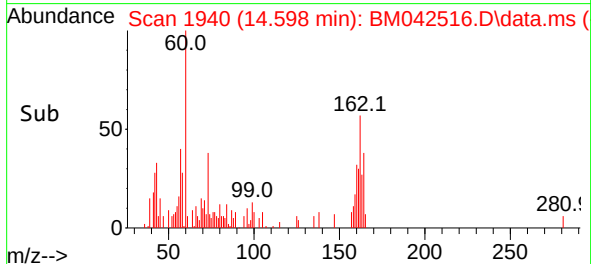
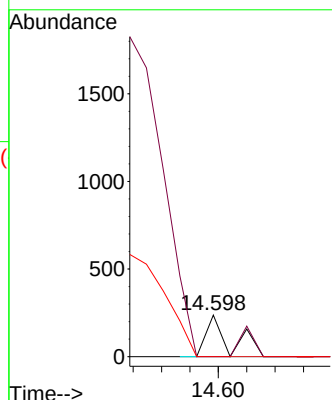
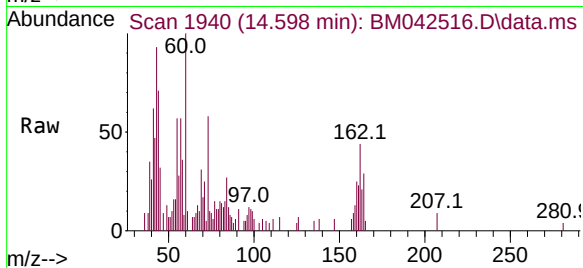




#53
3-Nitroaniline
Concen: 4.429 ng
RT: 14.598 min Scan# 1929
Delta R.T. 0.065 min
Lab File: BM042516.D
Acq: 31 Oct 2023 18:21

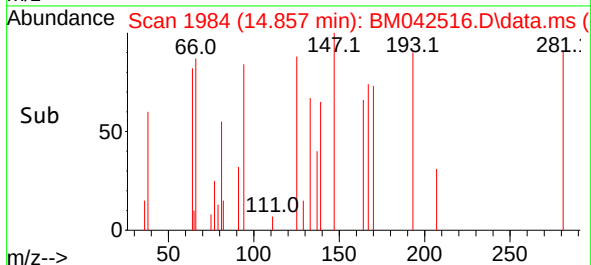
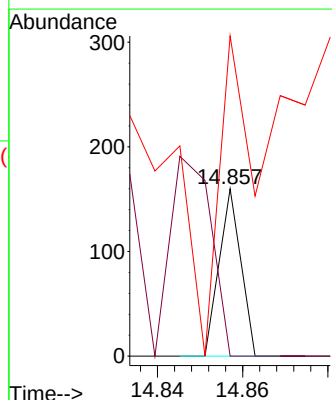
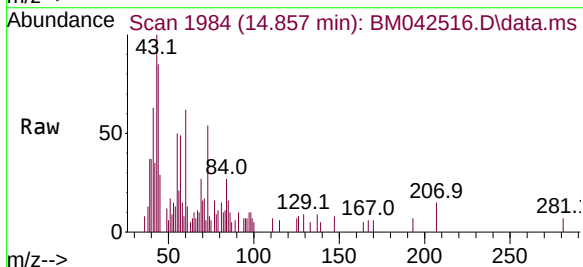
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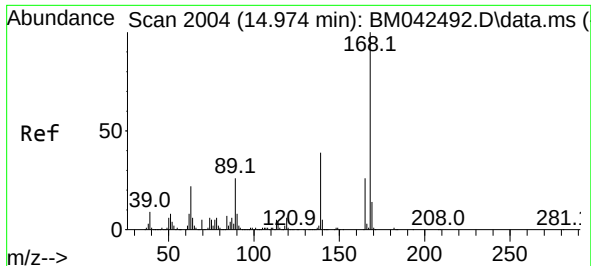
Tgt Ion:138 Resp: 139
Ion Ratio Lower Upper
138 100
108 0.0 7.9 11.9#
92 0.0 100.7 151.1#



#56
4-Nitrophenol
Concen: 6.992 ng
RT: 14.857 min Scan# 1984
Delta R.T. 0.024 min
Lab File: BM042516.D
Acq: 31 Oct 2023 18:21

Tgt Ion:139 Resp: 56
Ion Ratio Lower Upper
139 100
109 0.0 61.3 101.3#
65 191.3 100.2 140.2#





#57

2,4-Dinitrotoluene

Concen: 3.994 ng

RT: 14.969 min Scan# 20

Delta R.T. -0.005 min

Lab File: BM042516.D

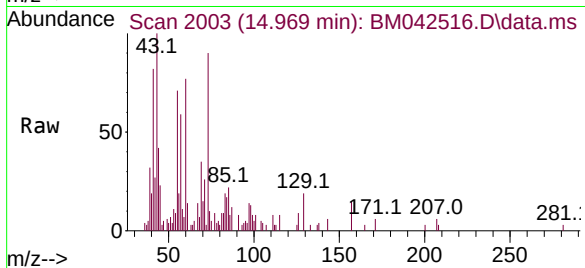
Acq: 31 Oct 2023 18:21

Instrument :

BNA_M

ClientSampleId :

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Tgt Ion:165 Resp: 54

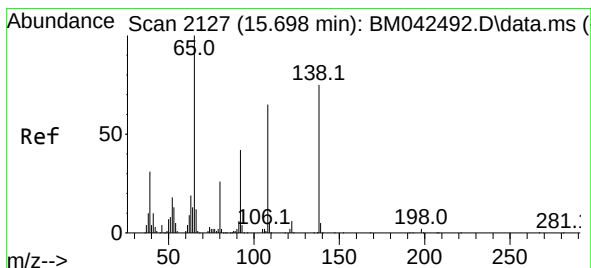
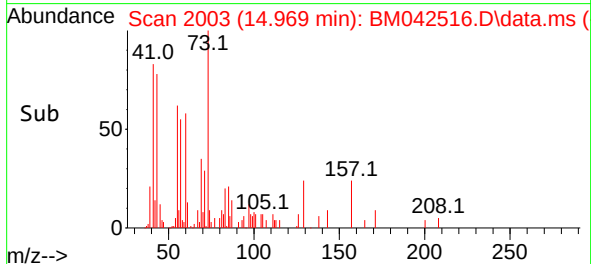
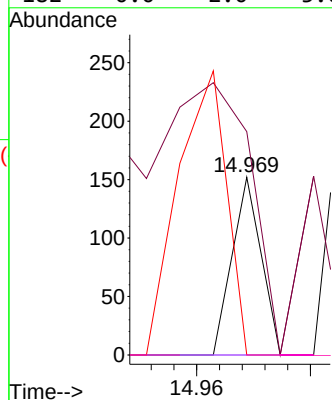
Ion Ratio Lower Upper

165 100

63 125.7 66.7 100.1#

89 0.0 80.2 120.4#

182 0.0 2.0 3.0#



#62

4-Nitroaniline

Concen: 5.815 ng

RT: 15.928 min Scan# 2166

Delta R.T. 0.230 min

Lab File: BM042516.D

Acq: 31 Oct 2023 18:21

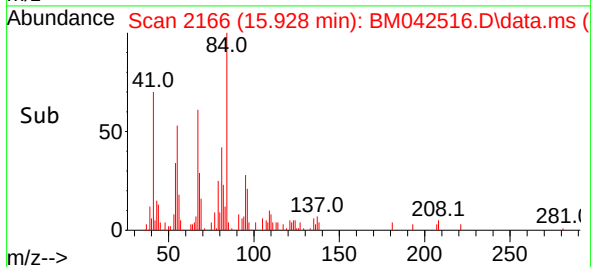
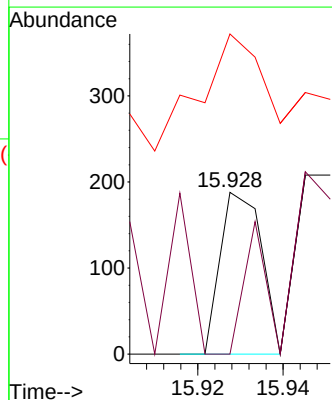
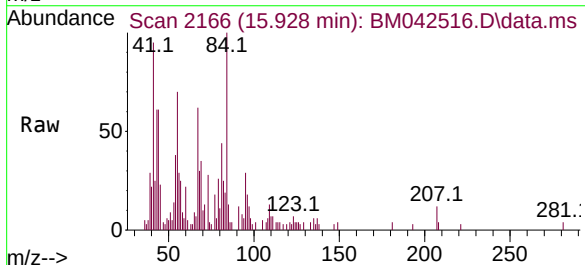
Tgt Ion:138 Resp: 126

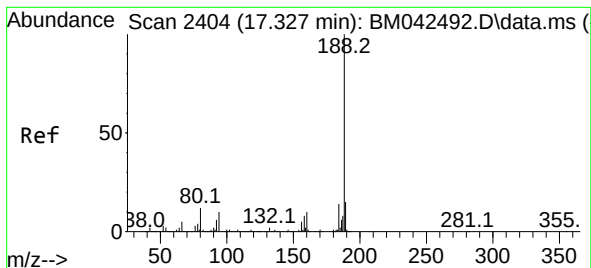
Ion Ratio Lower Upper

138 100

92 0.0 37.0 77.0#

108 197.9 67.2 107.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.322 min Scan# 2403

Delta R.T. -0.005 min

Lab File: BM042516.D

Acq: 31 Oct 2023 18:21

Instrument :

BNA_M

ClientSampleId :

348

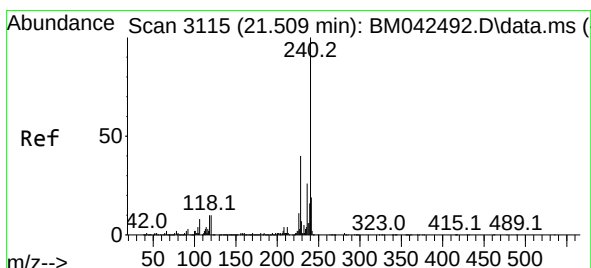
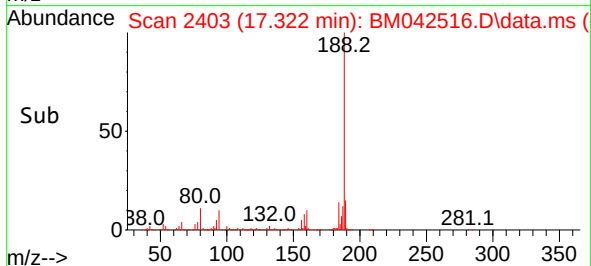
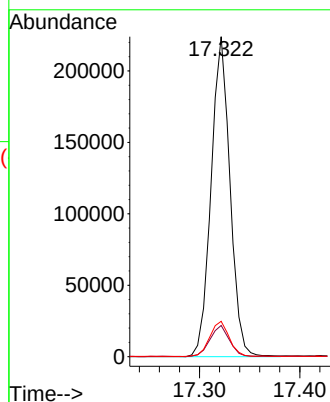
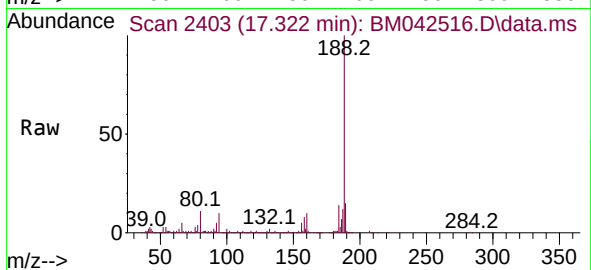
Tgt Ion:188 Resp: 292918

Ion Ratio Lower Upper

188 100

94 9.8 8.2 12.4

80 11.1 9.4 14.2



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.504 min Scan# 3114

Delta R.T. -0.006 min

Lab File: BM042516.D

Acq: 31 Oct 2023 18:21

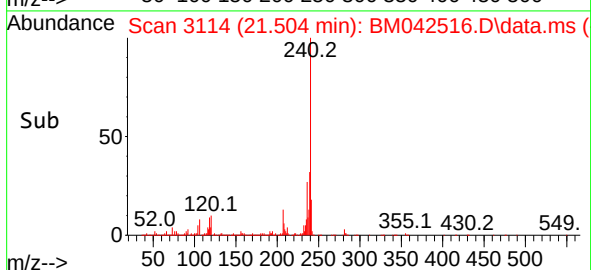
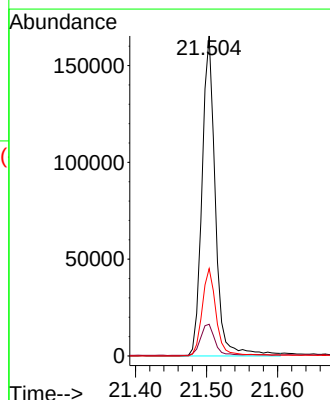
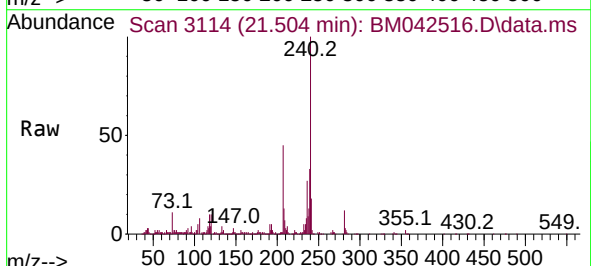
Tgt Ion:240 Resp: 217565

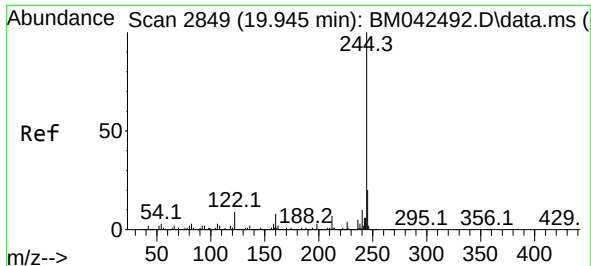
Ion Ratio Lower Upper

240 100

120 9.9 8.3 12.5

236 27.3 20.8 31.2

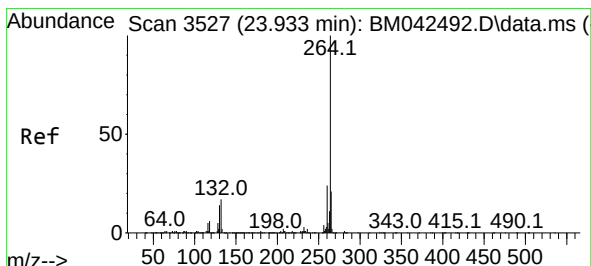
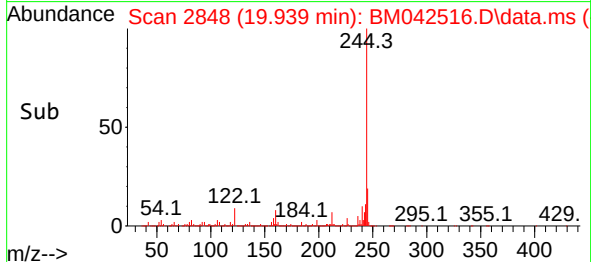
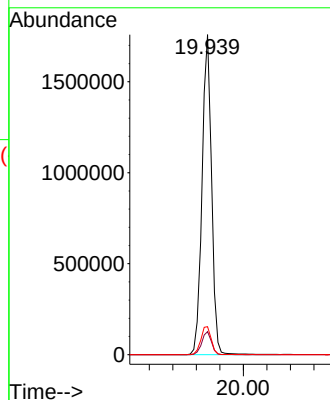
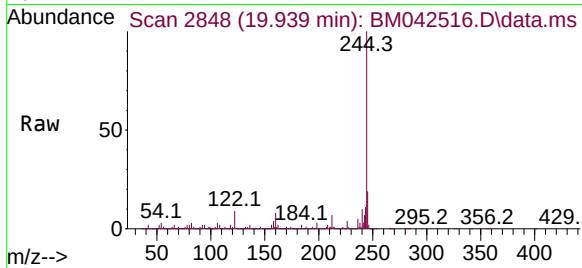




#79
 Terphenyl-d14
 Concen: 154.403 ng
 RT: 19.939 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM042516.D
 Acq: 31 Oct 2023 18:21

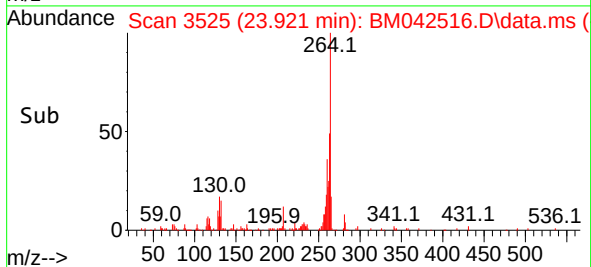
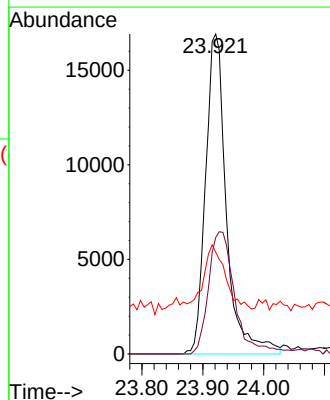
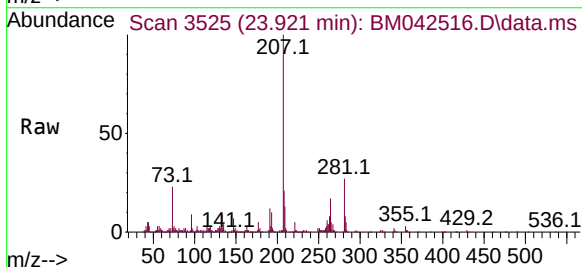
Instrument :
 BNA_M
 ClientSampleId :
 348

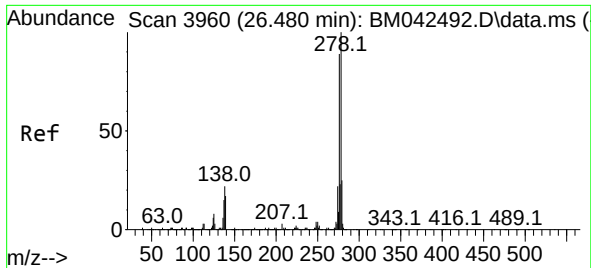
Tgt Ion:244 Resp: 1981155
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.4 8.2
 122 8.8 7.2 10.8



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.921 min Scan# 3525
 Delta R.T. -0.012 min
 Lab File: BM042516.D
 Acq: 31 Oct 2023 18:21

Tgt Ion:264 Resp: 40247
 Ion Ratio Lower Upper
 264 100
 260 36.4 19.0 28.4#
 265 31.8 18.7 28.1#





#91
 Dibenzo(a,h)anthracene
 Concen: 4.236 ng
 RT: 26.474 min Scan# 348
 Delta R.T. -0.006 min
 Lab File: BM042516.D
 Acq: 31 Oct 2023 18:21

Instrument :
 BNA_M
 ClientSampleId :
 348

Tgt Ion:	278	Resp:	237
Ion	Ratio	Lower	Upper
278	100		
139	163.2	13.4	20.2#
279	145.6	19.7	29.5#

