

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110423\
 Data File : BM042592.D
 Acq On : 04 Nov 2023 15:29
 Operator : MA/JU
 Sample : 05234-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SP-B

Quant Time: Nov 06 01:45:21 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 03 15:52:20 2023
 Response via : Initial Calibration

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

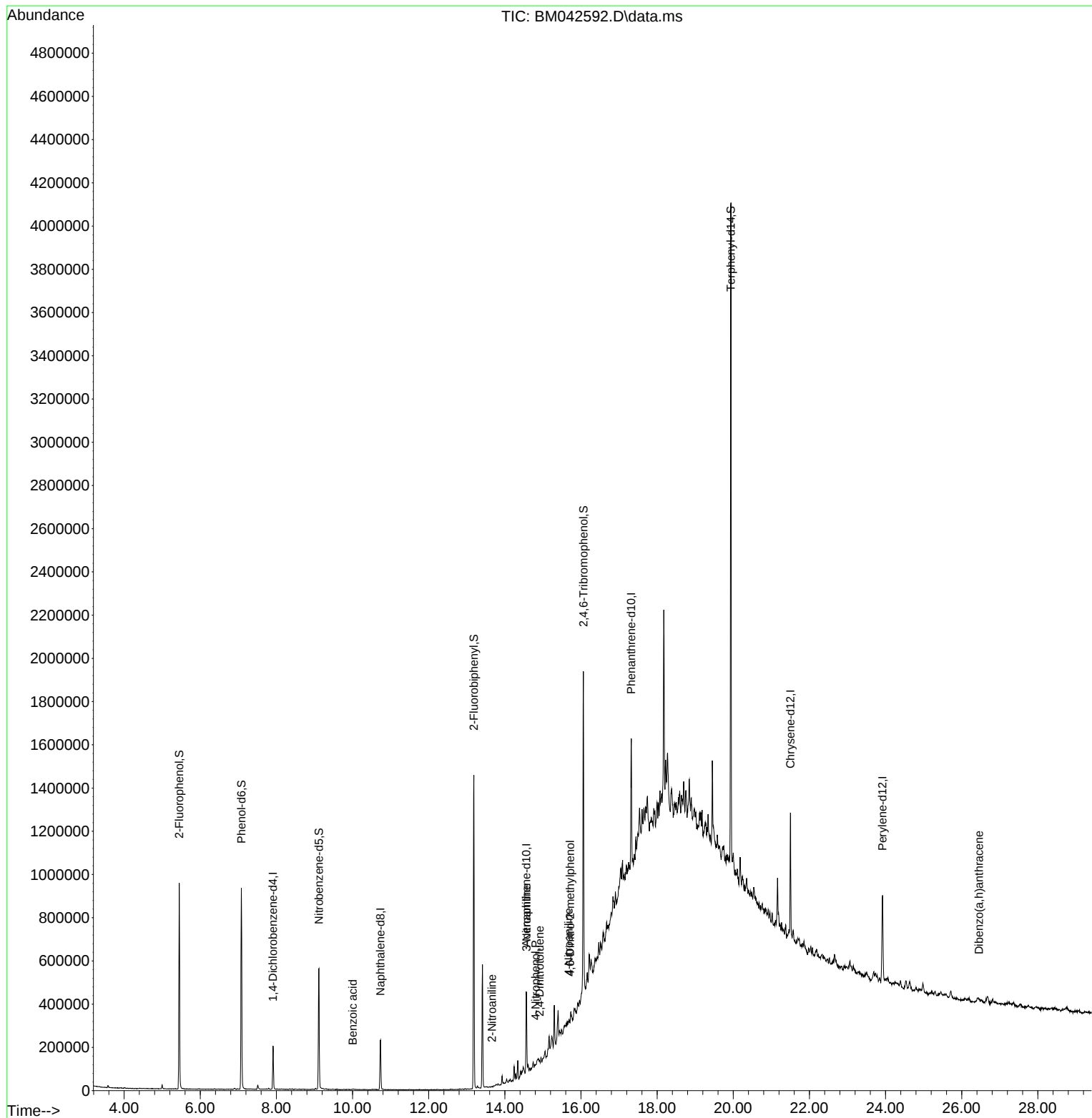
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.910	152	45619	20.000	ng	0.00
21) Naphthalene-d8	10.733	136	170892	20.000	ng	0.00
39) Acenaphthene-d10	14.563	164	116429	20.000	ng	0.00
64) Phenanthrene-d10	17.321	188	300016	20.000	ng	0.00
76) Chrysene-d12	21.503	240	279199	20.000	ng	0.00
86) Perylene-d12	23.921	264	314206	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	334247	118.248	ng	0.00
7) Phenol-d6	7.081	99	433249	111.758	ng	0.00
23) Nitrobenzene-d5	9.116	82	299719	81.758	ng	0.00
42) 2,4,6-Tribromophenol	16.062	330	234908	154.537	ng	0.00
45) 2-Fluorobiphenyl	13.186	172	668184	77.224	ng	0.00
79) Terphenyl-d14	19.939	244	1376346	83.587	ng	0.00
Target Compounds						
					Qvalue	
32) Benzoic acid	10.004	122	648	4.404	ng	# 63
48) 2-Nitroaniline	13.663	65	327	4.463	ng	# 13
53) 3-Nitroaniline	14.568	138	535	4.594	ng	# 1
56) 4-Nitrophenol	14.810	139	87	7.002	ng	# 1
57) 2,4-Dinitrotoluene	14.915	165	255	4.057	ng	# 17
62) 4-Nitroaniline	15.680	138	459	5.964	ng	# 1
65) 4,6-Dinitro-2-methylph...	15.715	198	55	5.860	ng	# 1
91) Dibenzo(a,h)anthracene	26.456	278	422	4.160	ng	# 1

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

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QLast Update : Fri Nov 03 15:52:20 2023
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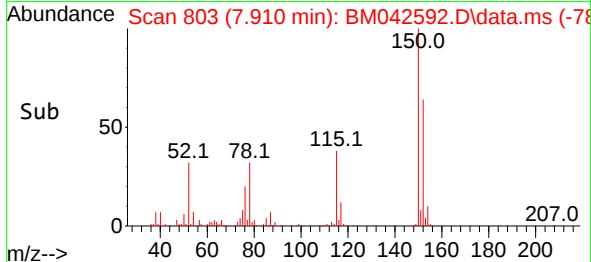
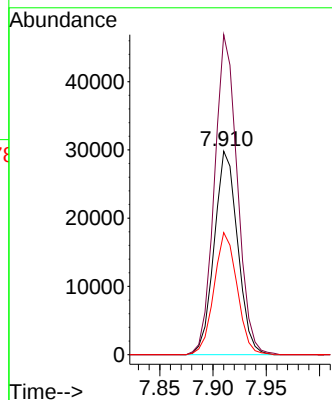
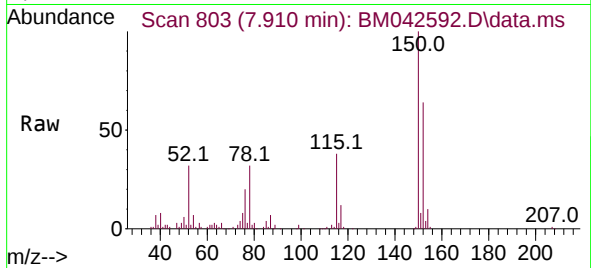




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.910 min Scan# 806
Delta R.T. 0.000 min
Lab File: BM042592.D
Acq: 04 Nov 2023 15:29

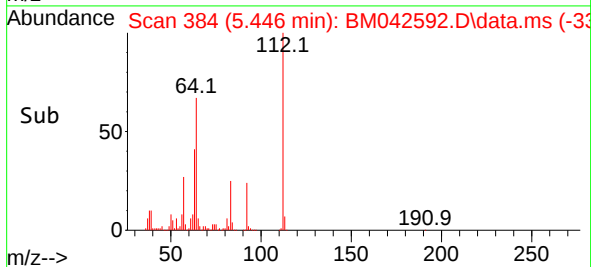
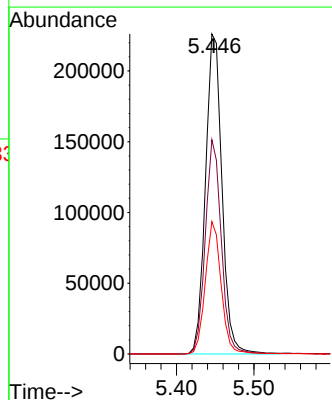
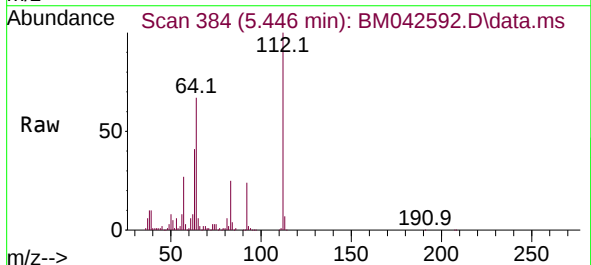
Instrument :
BNA_M
ClientSampleId :
SP-B

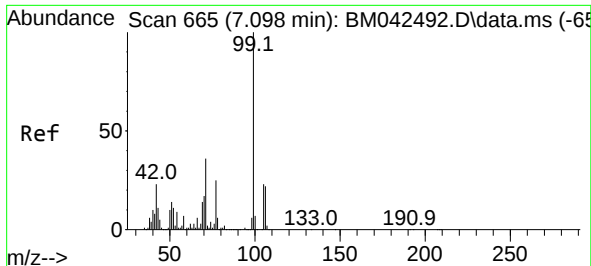
Tgt Ion:152 Resp: 45619
Ion Ratio Lower Upper
152 100
150 157.2 127.4 191.0
115 60.0 47.9 71.9



#5
2-Fluorophenol
Concen: 118.248 ng
RT: 5.446 min Scan# 384
Delta R.T. 0.006 min
Lab File: BM042592.D
Acq: 04 Nov 2023 15:29

Tgt Ion:112 Resp: 334247
Ion Ratio Lower Upper
112 100
64 66.9 52.1 78.1
63 41.3 28.3 42.5

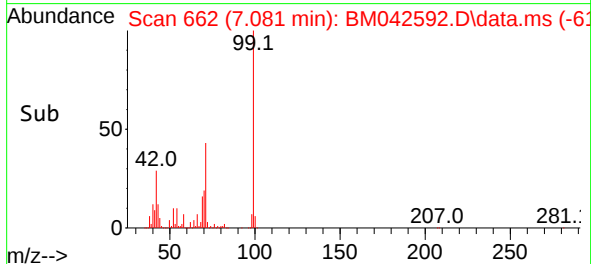
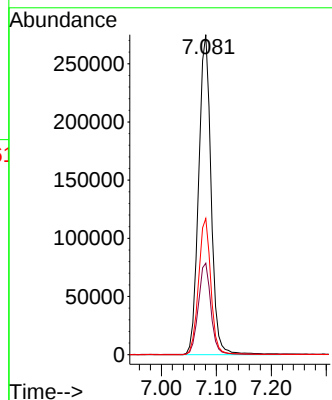
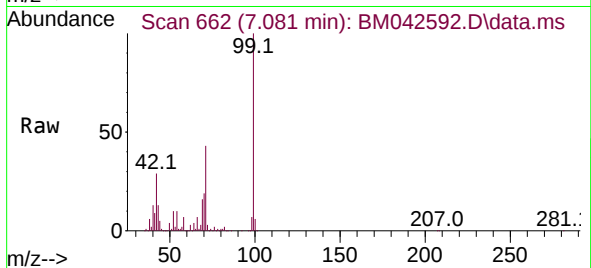




#7
Phenol-d6
Concen: 111.758 ng
RT: 7.081 min Scan# 6
Delta R.T. 0.006 min
Lab File: BM042592.D
Acq: 04 Nov 2023 15:29

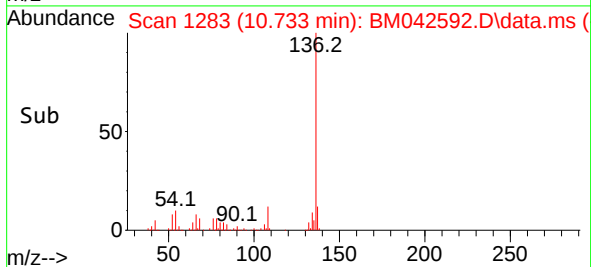
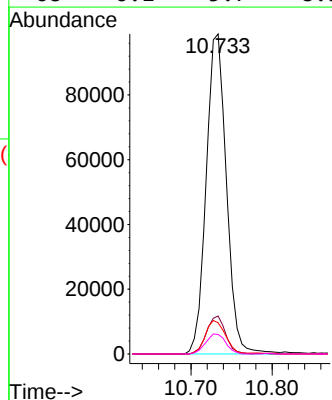
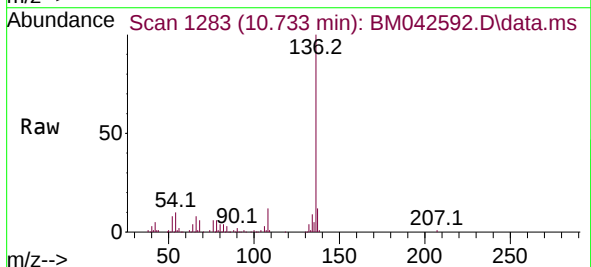
Instrument :
BNA_M
ClientSampleId :
SP-B

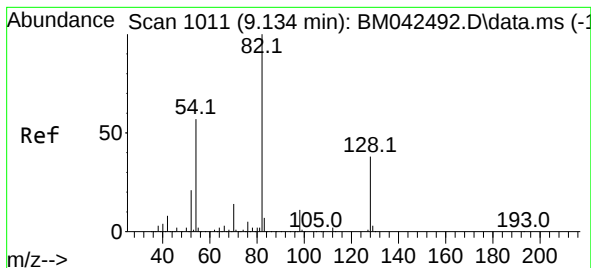
Tgt Ion: 99 Resp: 433249
Ion Ratio Lower Upper
99 100
42 28.6 18.7 28.1#
71 42.5 29.1 43.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.733 min Scan# 1283
Delta R.T. 0.005 min
Lab File: BM042592.D
Acq: 04 Nov 2023 15:29

Tgt Ion: 136 Resp: 170892
Ion Ratio Lower Upper
136 100
137 11.8 9.0 13.6
54 9.8 8.0 12.0
68 6.1 5.7 8.5





#23

Nitrobenzene-d5

Concen: 81.758 ng

RT: 9.116 min Scan# 1108

Delta R.T. 0.006 min

Lab File: BM042592.D

Acq: 04 Nov 2023 15:29

Instrument :

BNA_M

ClientSampleId :

SP-B

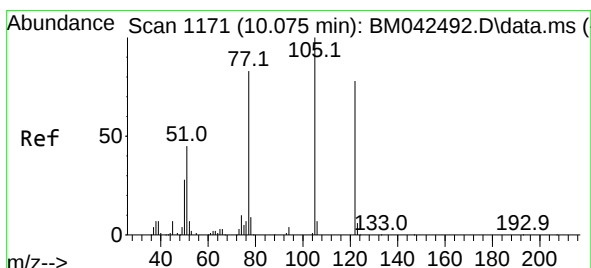
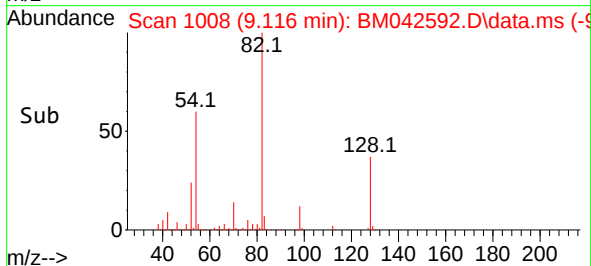
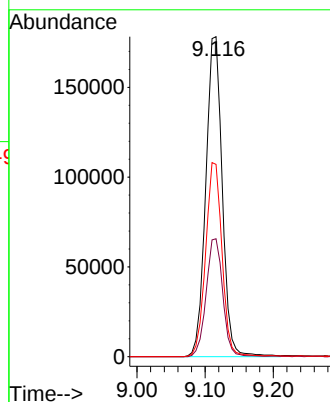
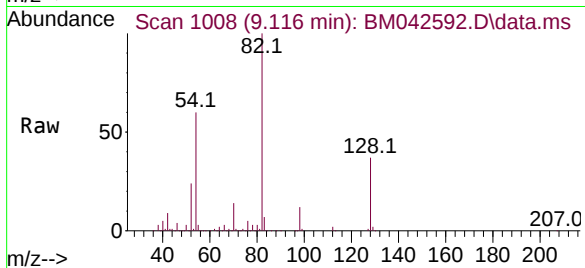
Tgt Ion: 82 Resp: 299719

Ion Ratio Lower Upper

82 100

128 36.8 30.7 46.1

54 60.1 45.3 67.9



#32

Benzoic acid

Concen: 4.404 ng

RT: 10.004 min Scan# 1159

Delta R.T. -0.047 min

Lab File: BM042592.D

Acq: 04 Nov 2023 15:29

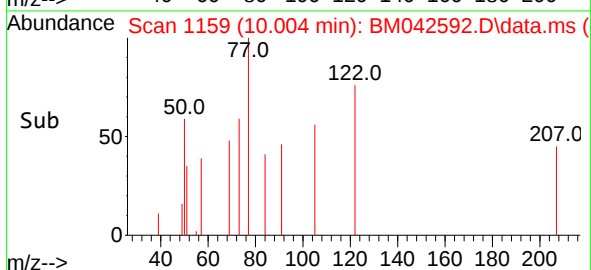
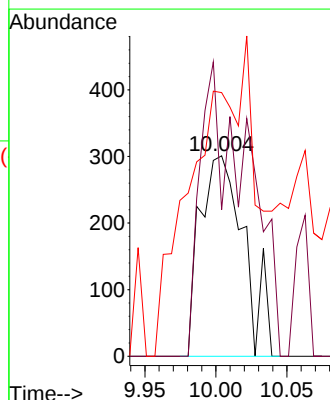
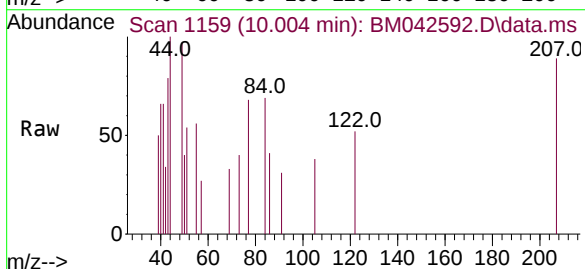
Tgt Ion: 122 Resp: 648

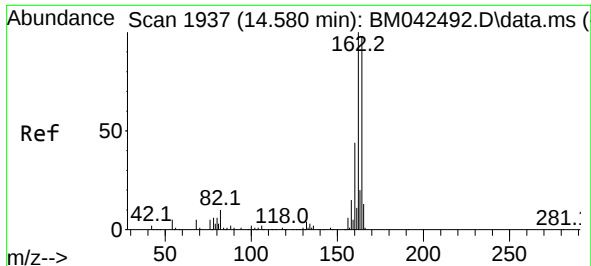
Ion Ratio Lower Upper

122 100

105 73.1 105.2 145.2#

77 131.6 84.8 124.8#

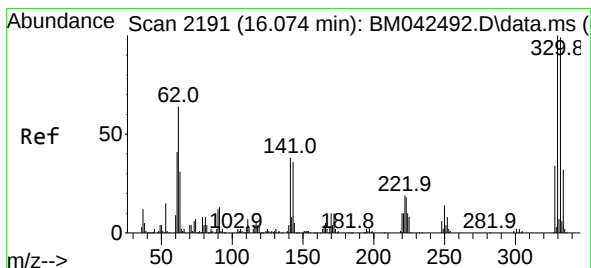
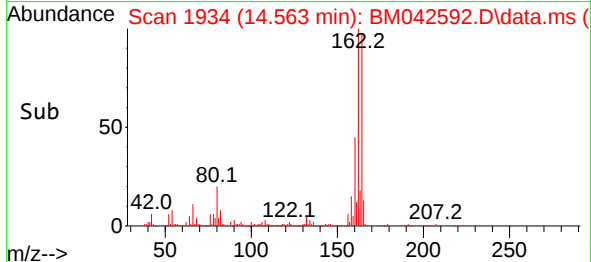
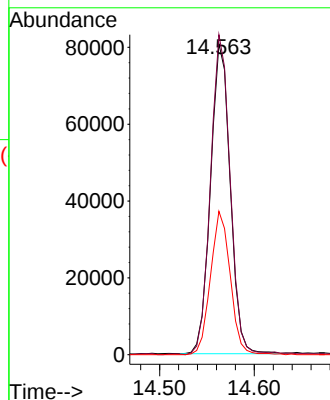
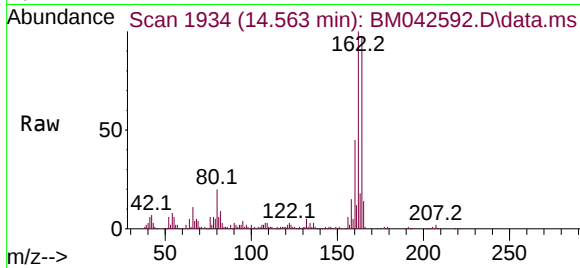




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.563 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM042592.D
Acq: 04 Nov 2023 15:29

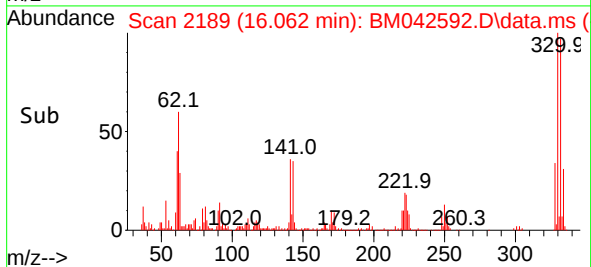
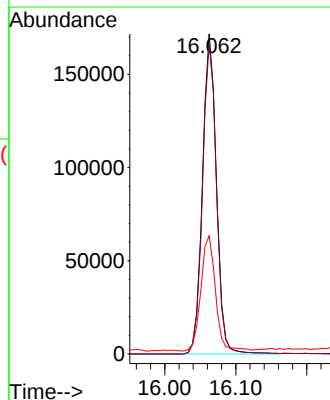
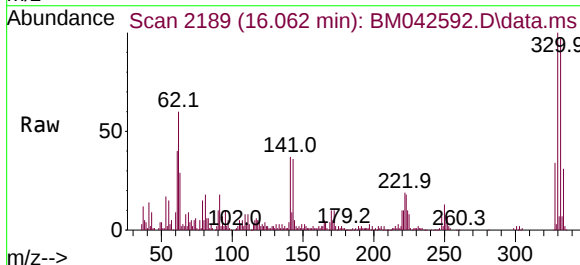
Instrument :
BNA_M
ClientSampleId :
SP-B

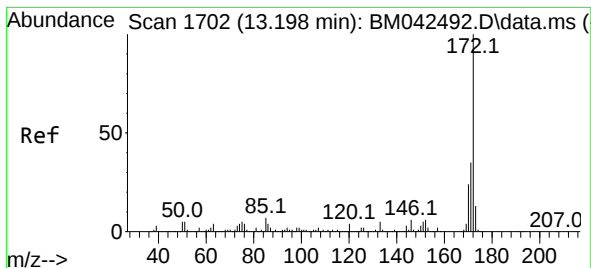
Tgt Ion:164 Resp: 116429
Ion Ratio Lower Upper
164 100
162 102.9 81.6 122.4
160 46.1 36.2 54.4



#42
2,4,6-Tribromophenol
Concen: 154.537 ng
RT: 16.062 min Scan# 2189
Delta R.T. -0.000 min
Lab File: BM042592.D
Acq: 04 Nov 2023 15:29

Tgt Ion:330 Resp: 234908
Ion Ratio Lower Upper
330 100
332 97.3 78.8 118.2
141 37.5 31.1 46.7





#45

2-Fluorobiphenyl

Concen: 77.224 ng

RT: 13.186 min Scan# 1

Delta R.T. -0.000 min

Lab File: BM042592.D

Acq: 04 Nov 2023 15:29

Instrument :

BNA_M

ClientSampleId :

SP-B

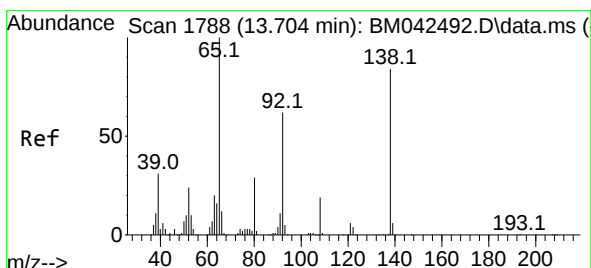
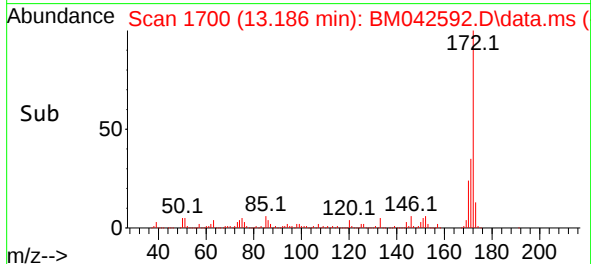
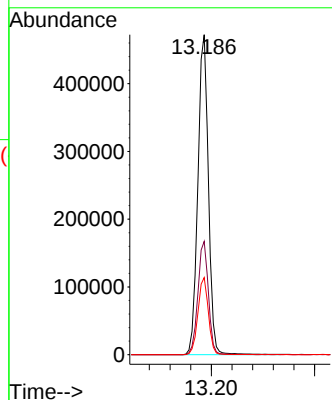
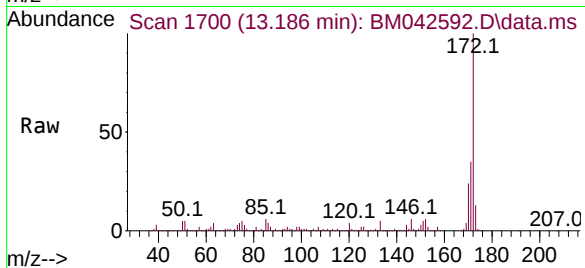
Tgt Ion:172 Resp: 668184

Ion Ratio Lower Upper

172 100

171 35.4 28.2 42.2

170 24.1 19.0 28.4



#48

2-Nitroaniline

Concen: 4.463 ng

RT: 13.663 min Scan# 1781

Delta R.T. -0.030 min

Lab File: BM042592.D

Acq: 04 Nov 2023 15:29

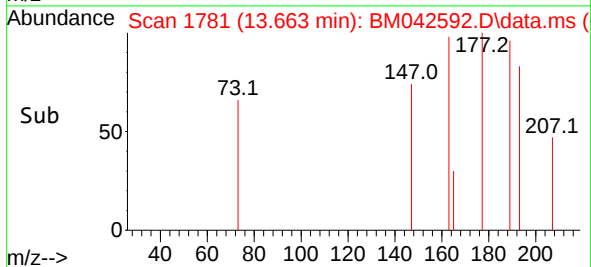
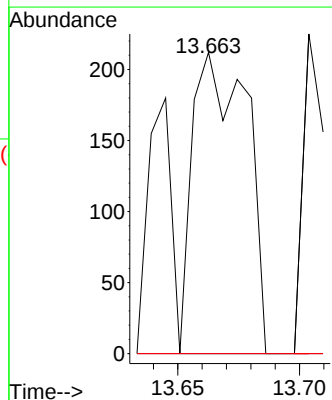
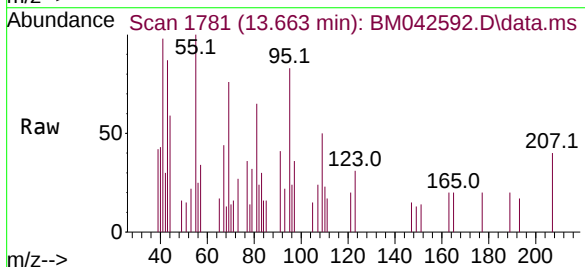
Tgt Ion: 65 Resp: 327

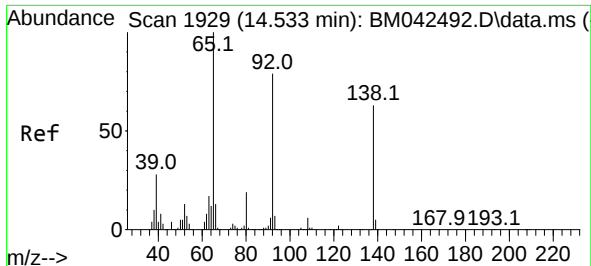
Ion Ratio Lower Upper

65 100

92 0.0 49.4 74.2#

138 0.0 66.9 100.3#

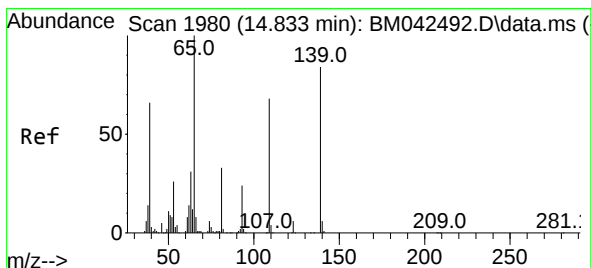
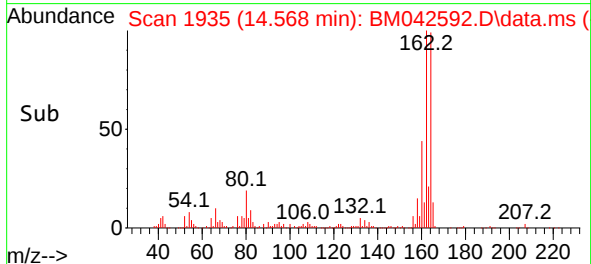
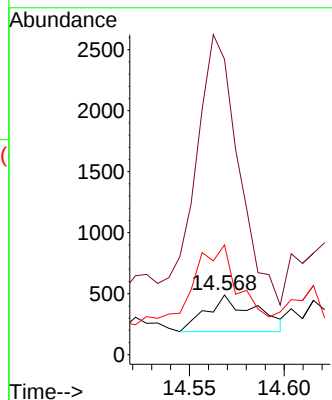
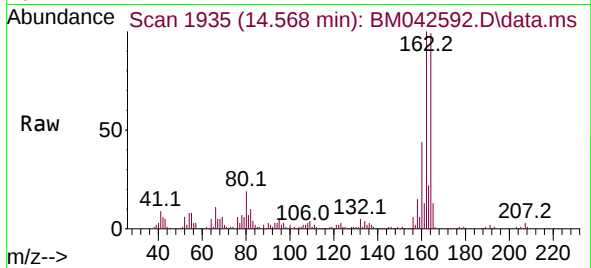




#53
3-Nitroaniline
Concen: 4.594 ng
RT: 14.568 min Scan# 1929
Delta R.T. 0.047 min
Lab File: BM042592.D
Acq: 04 Nov 2023 15:29

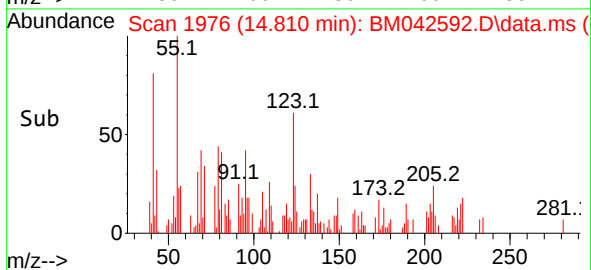
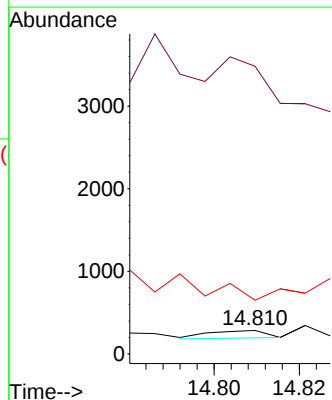
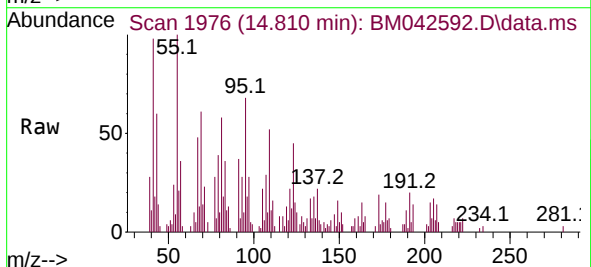
Instrument :
BNA_M
ClientSampleId :
SP-B

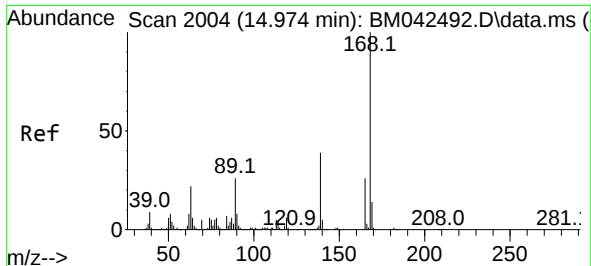
Tgt Ion:138 Resp: 535
Ion Ratio Lower Upper
138 100
108 495.1 7.9 11.9#
92 183.8 100.7 151.1#



#56
4-Nitrophenol
Concen: 7.002 ng
RT: 14.810 min Scan# 1976
Delta R.T. -0.012 min
Lab File: BM042592.D
Acq: 04 Nov 2023 15:29

Tgt Ion:139 Resp: 87
Ion Ratio Lower Upper
139 100
109 1222.1 61.3 101.3#
65 228.4 100.2 140.2#





#57

2,4-Dinitrotoluene

Concen: 4.057 ng

RT: 14.915 min Scan# 1994

Delta R.T. -0.047 min

Lab File: BM042592.D

Acq: 04 Nov 2023 15:29

Instrument :

BNA_M

ClientSampleId :

SP-B

Tgt Ion:165 Resp: 255

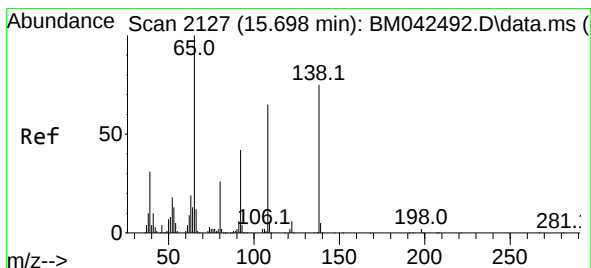
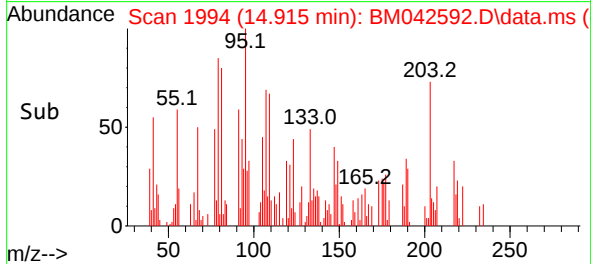
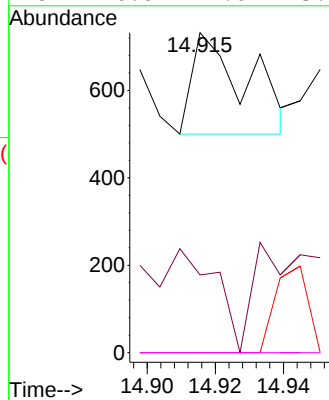
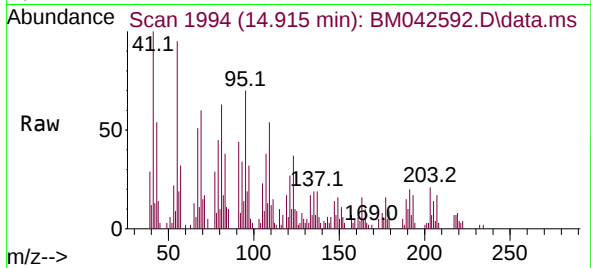
Ion Ratio Lower Upper

165 100

63 24.3 66.7 100.1#

89 0.0 80.2 120.4#

182 0.0 2.0 3.0#



#62

4-Nitroaniline

Concen: 5.964 ng

RT: 15.680 min Scan# 2124

Delta R.T. -0.006 min

Lab File: BM042592.D

Acq: 04 Nov 2023 15:29

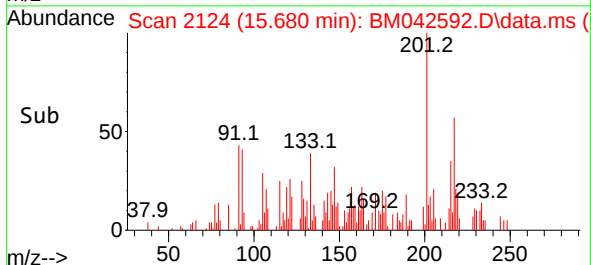
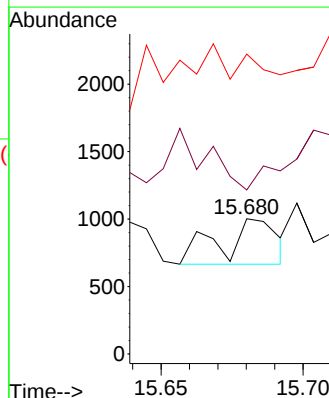
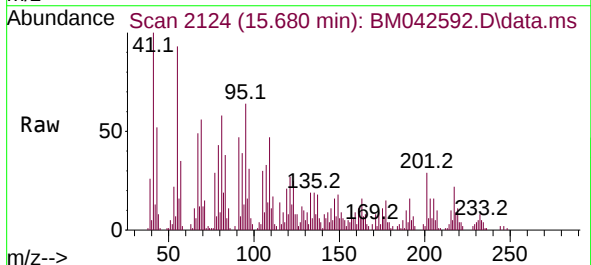
Tgt Ion:138 Resp: 459

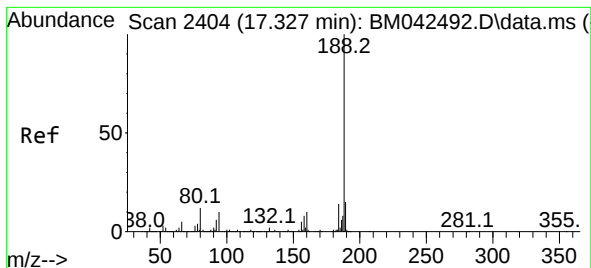
Ion Ratio Lower Upper

138 100

92 121.4 37.0 77.0#

108 221.9 67.2 107.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.321 min Scan# 2404

Delta R.T. 0.006 min

Lab File: BM042592.D

Acq: 04 Nov 2023 15:29

Instrument :

BNA_M

ClientSampleId :

SP-B

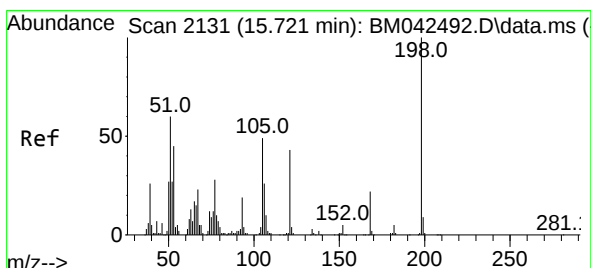
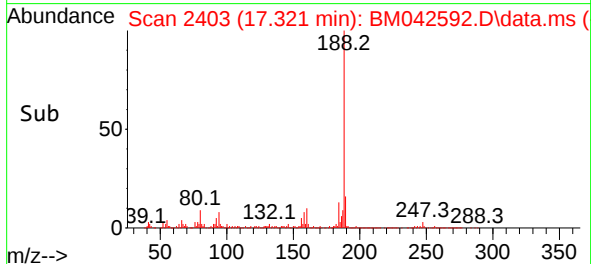
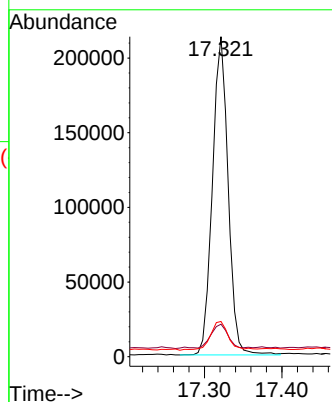
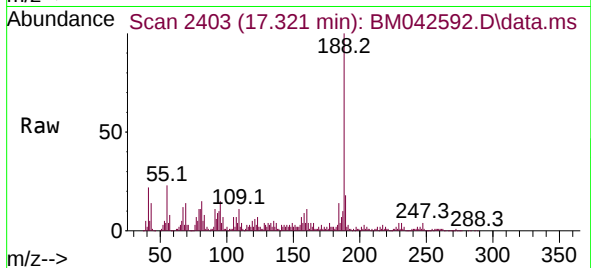
Tgt Ion:188 Resp: 300016

Ion Ratio Lower Upper

188 100

94 10.2 8.2 12.4

80 11.0 9.4 14.2



#65

4,6-Dinitro-2-methylphenol

Concen: 5.860 ng

RT: 15.715 min Scan# 2130

Delta R.T. -0.000 min

Lab File: BM042592.D

Acq: 04 Nov 2023 15:29

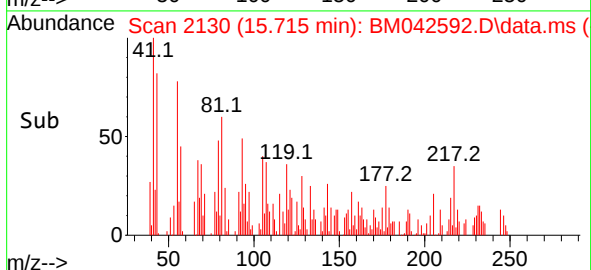
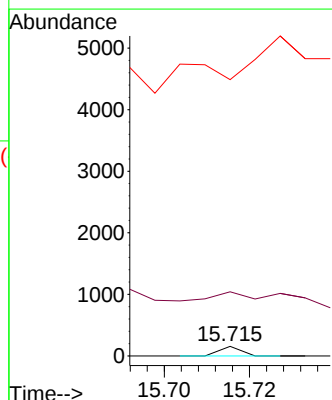
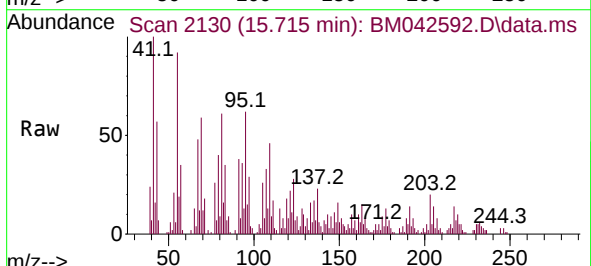
Tgt Ion:198 Resp: 55

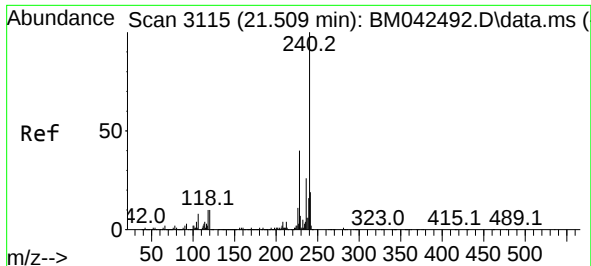
Ion Ratio Lower Upper

198 100

51 668.6 42.4 82.4#

105 2876.9 29.2 69.2#

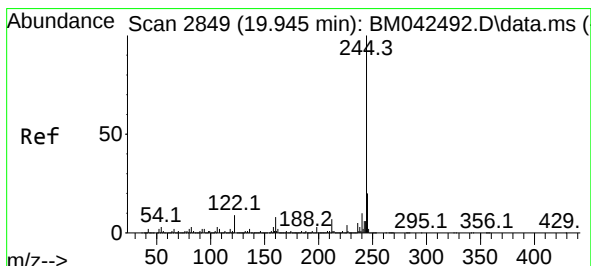
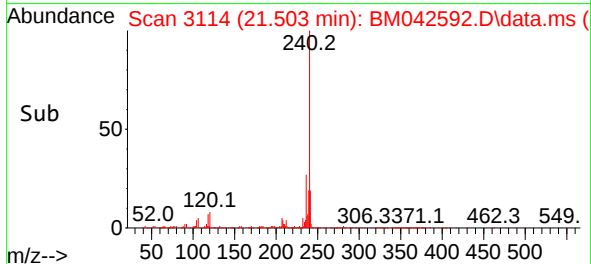
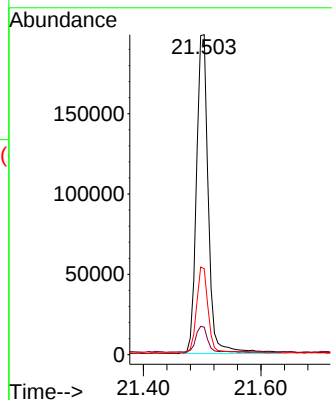
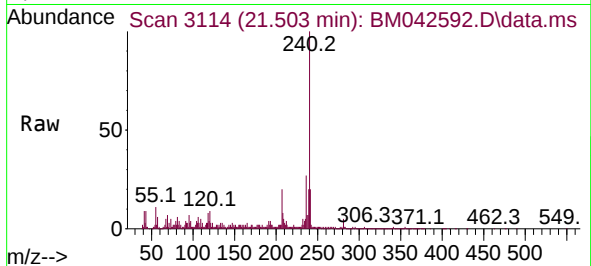




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.503 min Scan# 3114
Delta R.T. -0.000 min
Lab File: BM042592.D
Acq: 04 Nov 2023 15:29

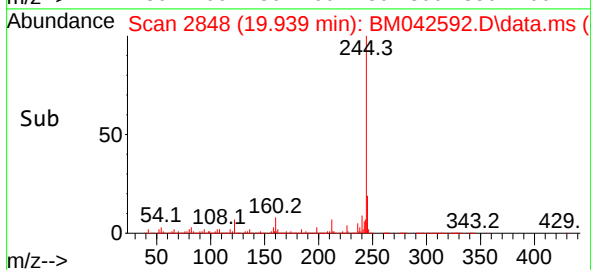
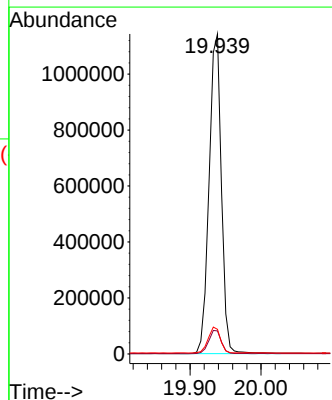
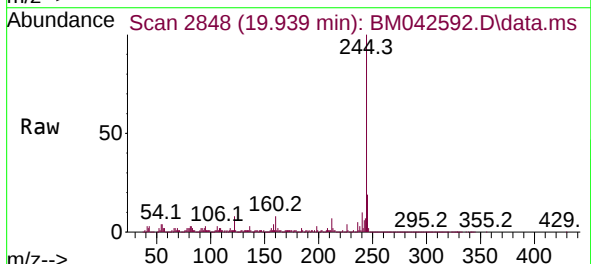
Instrument :
BNA_M
ClientSampleId :
SP-B

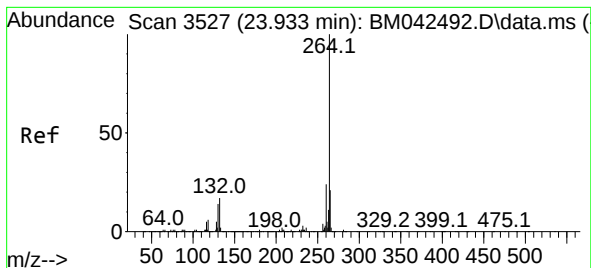
Tgt Ion:240 Resp: 279199
Ion Ratio Lower Upper
240 100
120 8.6 8.3 12.5
236 26.9 20.8 31.2



#79
Terphenyl-d14
Concen: 83.587 ng
RT: 19.939 min Scan# 2848
Delta R.T. 0.006 min
Lab File: BM042592.D
Acq: 04 Nov 2023 15:29

Tgt Ion:244 Resp: 1376346
Ion Ratio Lower Upper
244 100
212 7.2 5.4 8.2
122 7.7 7.2 10.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.921 min Scan# 3

Delta R.T. 0.006 min

Lab File: BM042592.D

Acq: 04 Nov 2023 15:29

Instrument :

BNA_M

ClientSampleId :

SP-B

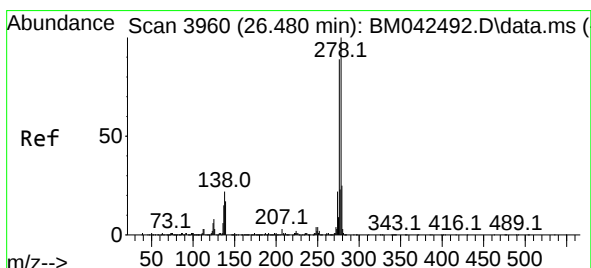
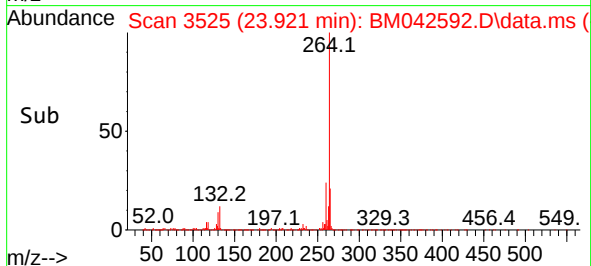
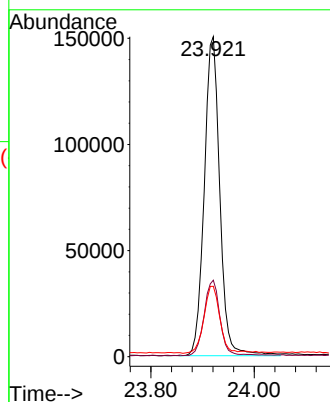
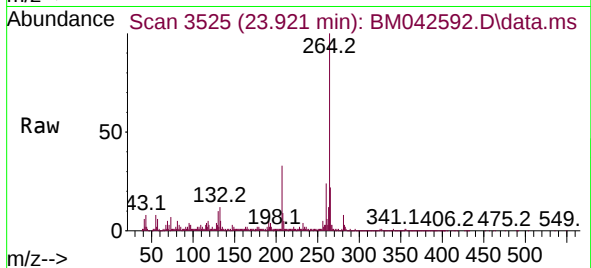
Tgt Ion:264 Resp: 314206

Ion Ratio Lower Upper

264 100

260 23.9 19.0 28.4

265 22.0 18.7 28.1



#91

Dibenzo(a,h)anthracene

Concen: 4.160 ng

RT: 26.456 min Scan# 3956

Delta R.T. -0.012 min

Lab File: BM042592.D

Acq: 04 Nov 2023 15:29

Tgt Ion:278 Resp: 422

Ion Ratio Lower Upper

278 100

139 144.4 13.4 20.2#

279 100.3 19.7 29.5#

