

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110123\
 Data File : BM042546.D
 Acq On : 01 Nov 2023 19:01
 Operator : MA/JU
 Sample : 05169-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SU-02-10302023

Quant Time: Nov 01 23:44:28 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)

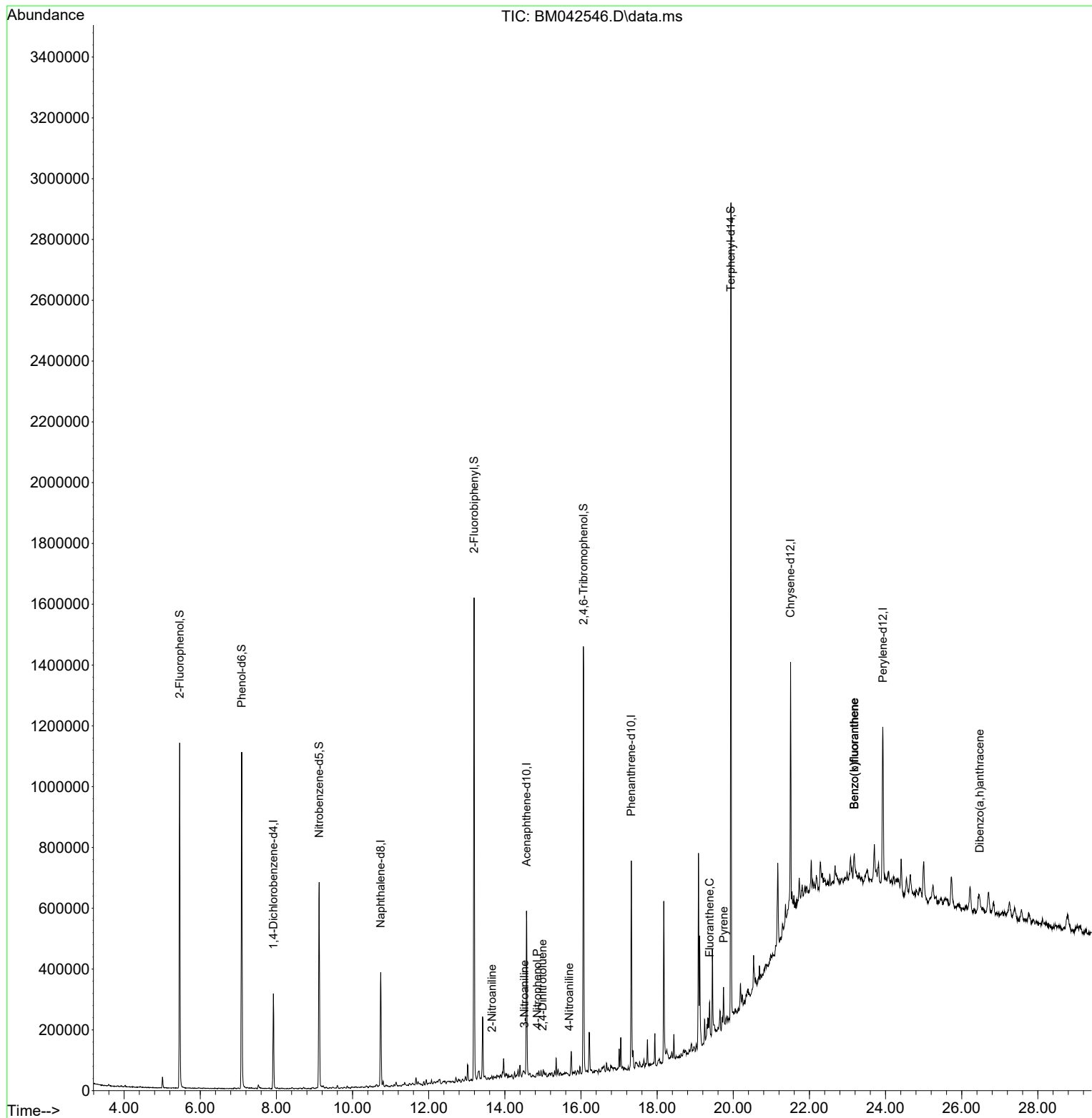
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.922	152	73282	20.000	ng	0.00
21) Naphthalene-d8	10.739	136	275648	20.000	ng	-0.01
39) Acenaphthene-d10	14.569	164	174219	20.000	ng	-0.01
64) Phenanthrene-d10	17.321	188	377997	20.000	ng	0.00
76) Chrysene-d12	21.503	240	366001	20.000	ng	0.00
86) Perylene-d12	23.927	264	399149	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	397954	87.641	ng	0.00
7) Phenol-d6	7.087	99	524062	84.154	ng	-0.01
23) Nitrobenzene-d5	9.122	82	359856	60.857	ng	-0.01
42) 2,4,6-Tribromophenol	16.069	330	223535	98.275	ng	0.00
45) 2-Fluorobiphenyl	13.192	172	722966	55.839	ng	0.00
79) Terphenyl-d14	19.939	244	1138319	52.736	ng	0.00
Target Compounds						
						Qvalue
48) 2-Nitroaniline	13.663	65	128	4.380	ng	# 44
53) 3-Nitroaniline	14.516	138	139	4.394	ng	# 68
56) 4-Nitrophenol	14.851	139	121	6.999	ng	# 1
57) 2,4-Dinitrotoluene	14.992	165	133	4.001	ng	# 5
62) 4-Nitroaniline	15.692	138	53	5.757	ng	# 38
75) Fluoranthene	19.380	202	63751	2.747	ng	97
78) Pyrene	19.745	202	72193	2.873	ng	99
88) Benzo(b)fluoranthene	23.180	252	69820	3.140	ng	# 88
89) Benzo(k)fluoranthene	23.180	252	69820	2.818	ng	# 89
91) Dibenzo(a,h)anthracene	26.474	278	12965	4.678	ng	# 48

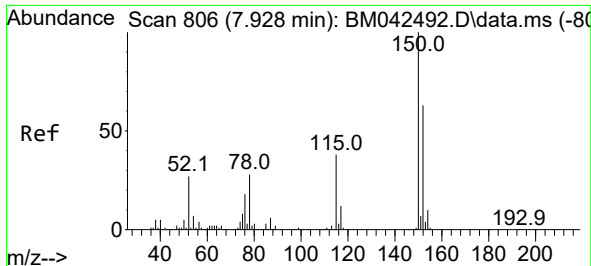
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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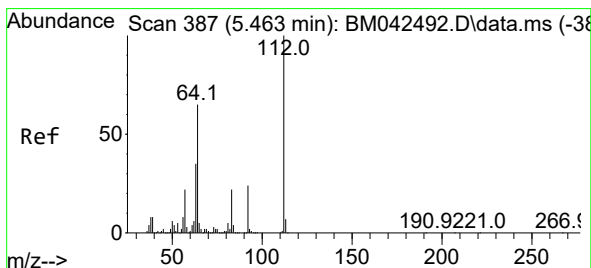
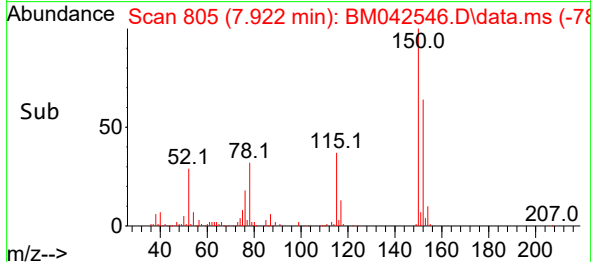
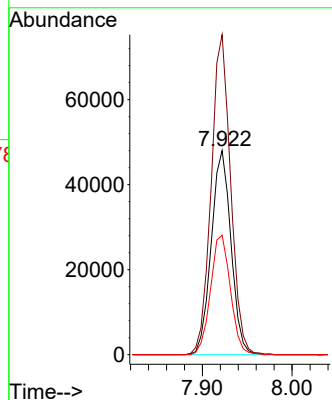
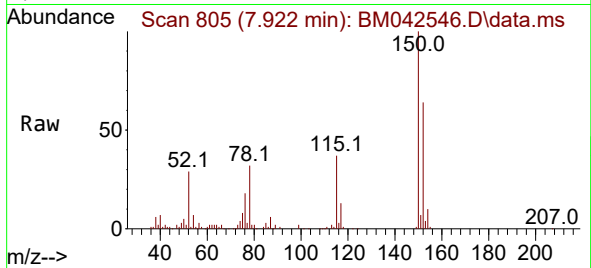




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.922 min Scan# 806
Delta R.T. -0.006 min
Lab File: BM042546.D
Acq: 01 Nov 2023 19:01

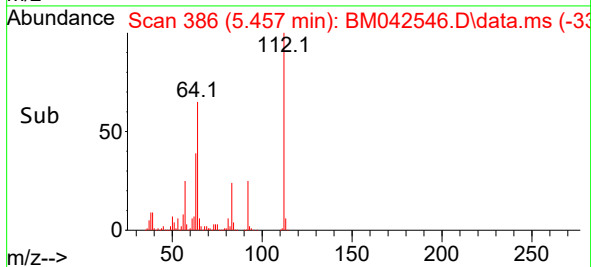
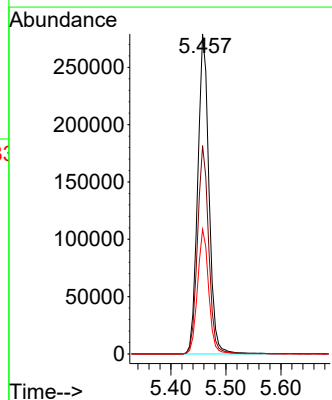
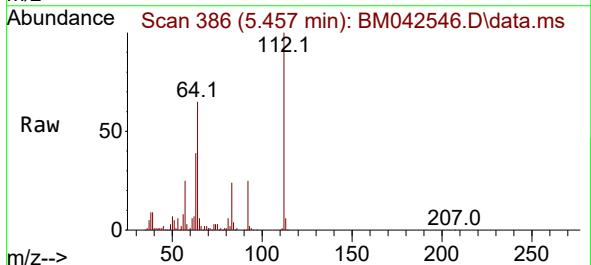
Instrument :
BNA_M
ClientSampleId :
SU-02-10302023

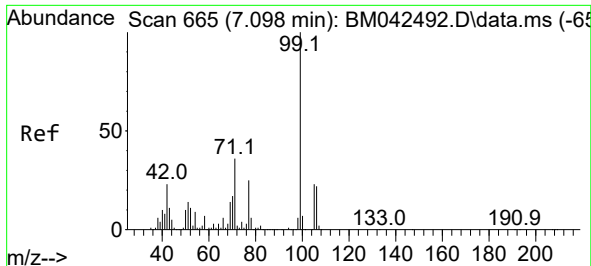
Tgt Ion:152 Resp: 73282
Ion Ratio Lower Upper
152 100
150 156.7 127.4 191.0
115 58.5 47.9 71.9



#5
2-Fluorophenol
Concen: 87.641 ng
RT: 5.457 min Scan# 386
Delta R.T. -0.006 min
Lab File: BM042546.D
Acq: 01 Nov 2023 19:01

Tgt Ion:112 Resp: 397954
Ion Ratio Lower Upper
112 100
64 65.1 52.1 78.1
63 39.0 28.3 42.5

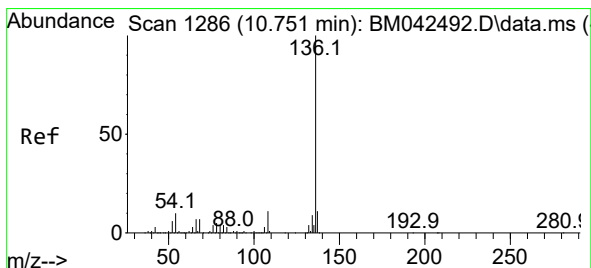
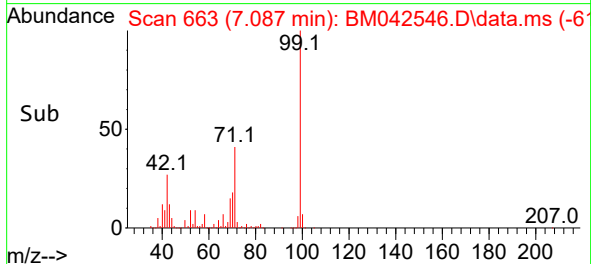
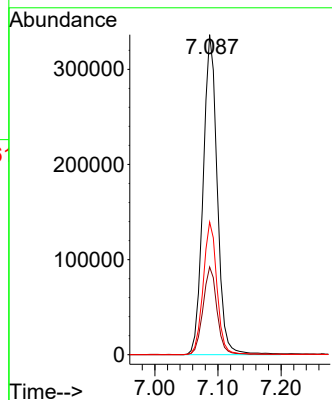
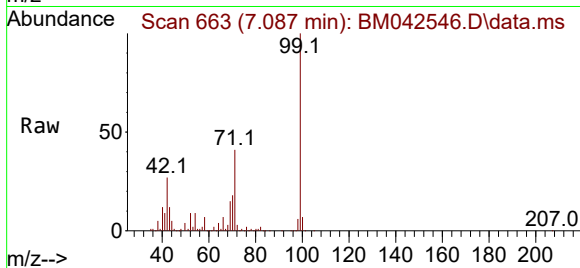




#7
Phenol-d6
Concen: 84.154 ng
RT: 7.087 min Scan# 60
Delta R.T. -0.012 min
Lab File: BM042546.D
Acq: 01 Nov 2023 19:01

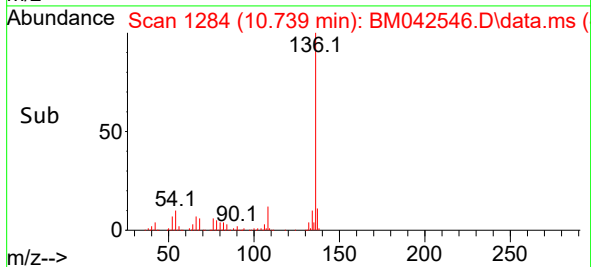
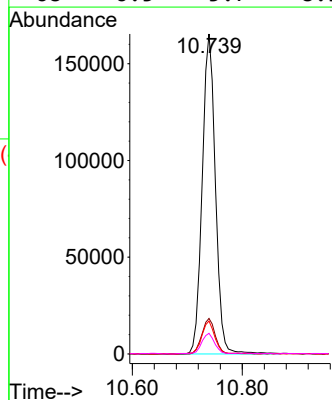
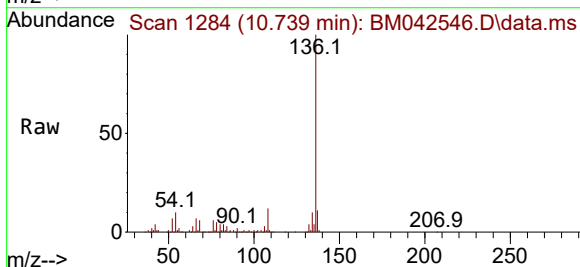
Instrument :
BNA_M
ClientSampleId :
SU-02-10302023

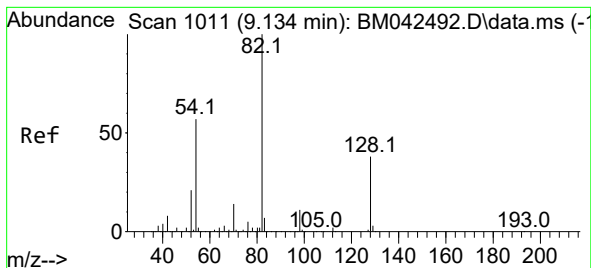
Tgt Ion: 99 Resp: 524062
Ion Ratio Lower Upper
99 100
42 27.4 18.7 28.1
71 41.4 29.1 43.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.739 min Scan# 1284
Delta R.T. -0.012 min
Lab File: BM042546.D
Acq: 01 Nov 2023 19:01

Tgt Ion: 136 Resp: 275648
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.6
54 10.3 8.0 12.0
68 6.5 5.7 8.5

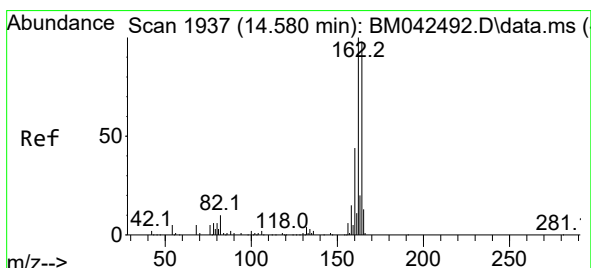
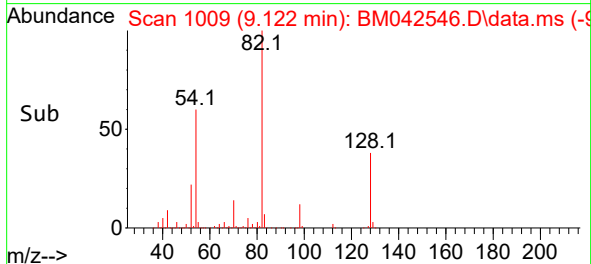
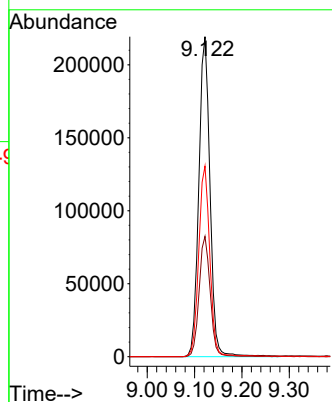
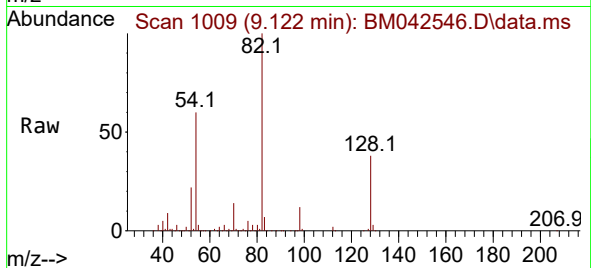




#23
 Nitrobenzene-d5
 Concen: 60.857 ng
 RT: 9.122 min Scan# 1009
 Delta R.T. -0.012 min
 Lab File: BM042546.D
 Acq: 01 Nov 2023 19:01

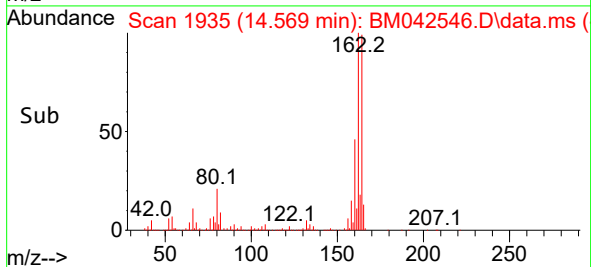
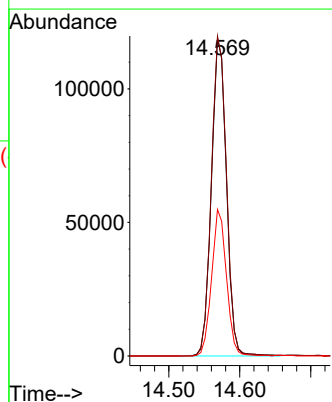
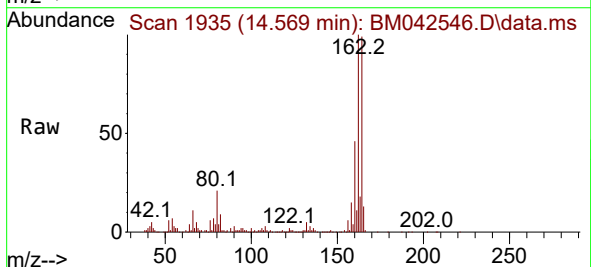
Instrument :
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 ClientSampleId :
 SU-02-10302023

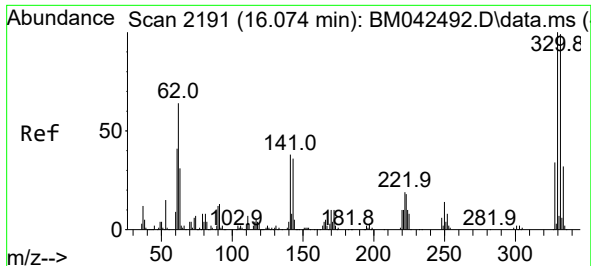
Tgt Ion: 82 Resp: 359856
 Ion Ratio Lower Upper
 82 100
 128 37.6 30.7 46.1
 54 59.6 45.3 67.9



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.569 min Scan# 1935
 Delta R.T. -0.011 min
 Lab File: BM042546.D
 Acq: 01 Nov 2023 19:01

Tgt Ion: 164 Resp: 174219
 Ion Ratio Lower Upper
 164 100
 162 100.8 81.6 122.4
 160 46.1 36.2 54.4

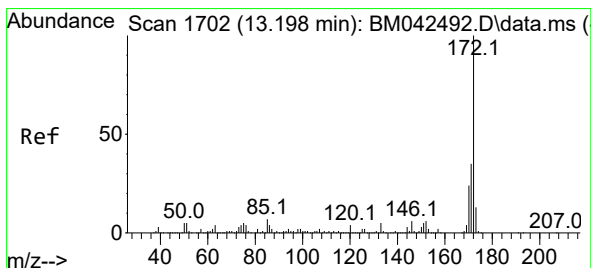
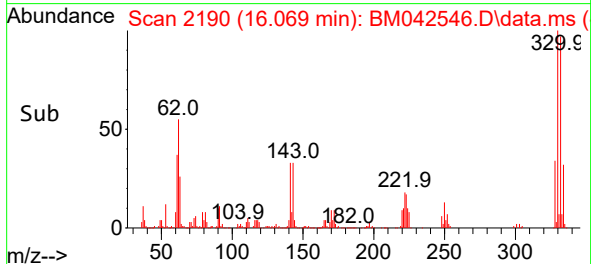
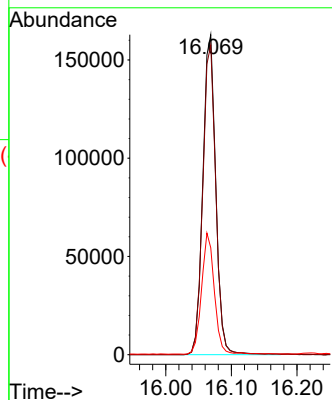
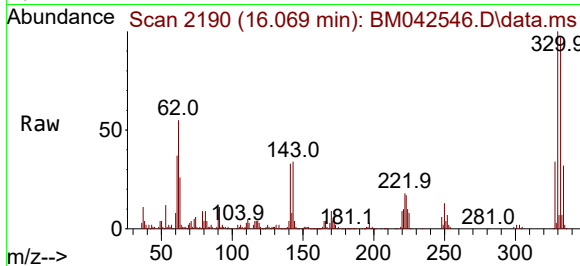




#42
2,4,6-Tribromophenol
Concen: 98.275 ng
RT: 16.069 min Scan# 2191
Delta R.T. -0.005 min
Lab File: BM042546.D
Acq: 01 Nov 2023 19:01

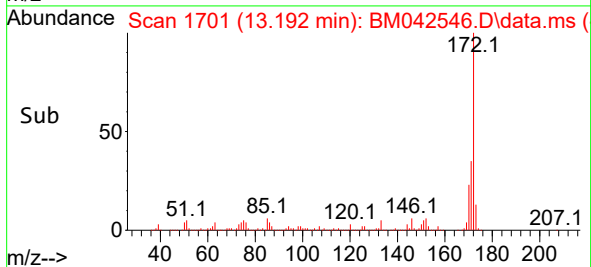
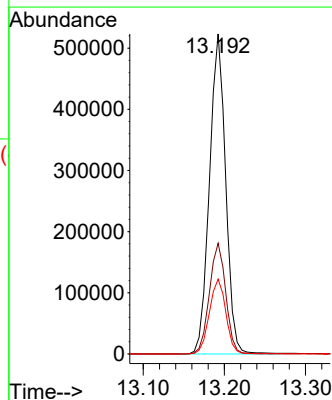
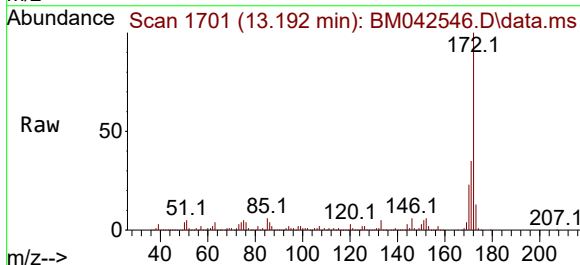
Instrument :
BNA_M
ClientSampleId :
SU-02-10302023

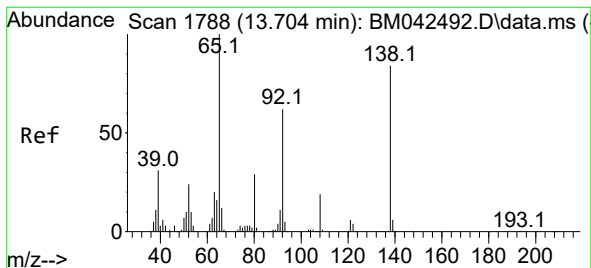
Tgt Ion:330 Resp: 223535
Ion Ratio Lower Upper
330 100
332 97.8 78.8 118.2
141 37.3 31.1 46.7



#45
2-Fluorobiphenyl
Concen: 55.839 ng
RT: 13.192 min Scan# 1701
Delta R.T. -0.006 min
Lab File: BM042546.D
Acq: 01 Nov 2023 19:01

Tgt Ion:172 Resp: 722966
Ion Ratio Lower Upper
172 100
171 34.6 28.2 42.2
170 23.4 19.0 28.4





#48

2-Nitroaniline

Concen: 4.380 ng

RT: 13.663 min Scan# 1

Delta R.T. -0.041 min

Lab File: BM042546.D

Acq: 01 Nov 2023 19:01

Instrument :

BNA_M

ClientSampleId :

SU-02-10302023

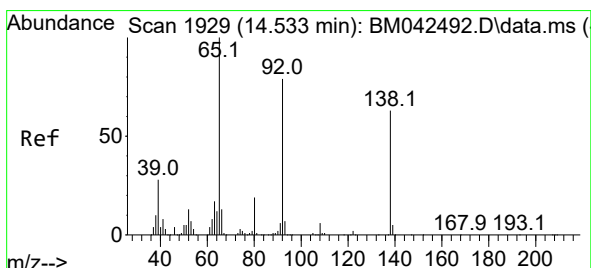
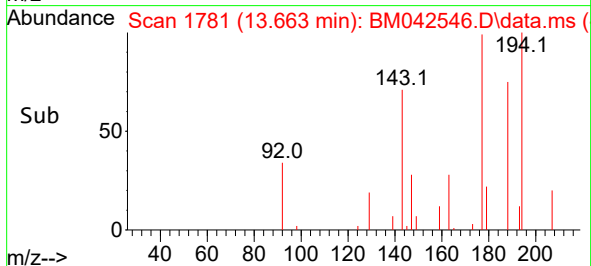
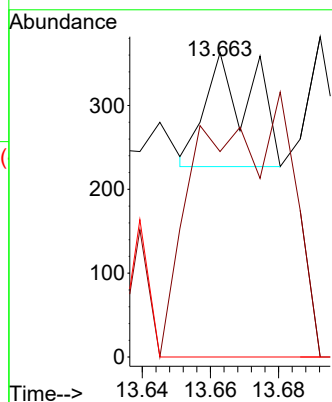
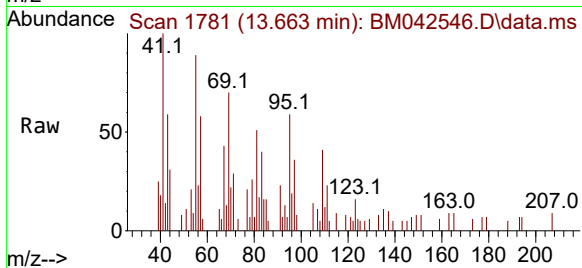
Tgt Ion: 65 Resp: 128

Ion Ratio Lower Upper

65 100

92 67.5 49.4 74.2

138 0.0 66.9 100.3#



#53

3-Nitroaniline

Concen: 4.394 ng

RT: 14.516 min Scan# 1926

Delta R.T. -0.017 min

Lab File: BM042546.D

Acq: 01 Nov 2023 19:01

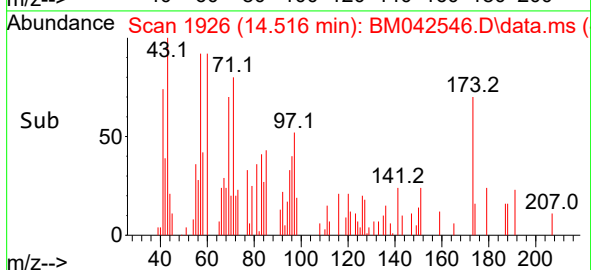
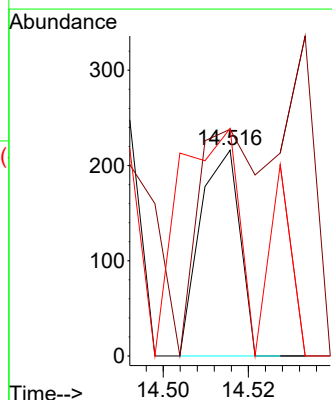
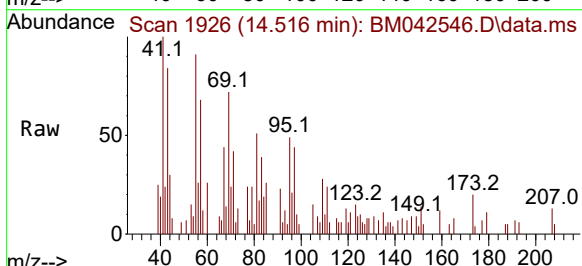
Tgt Ion:138 Resp: 139

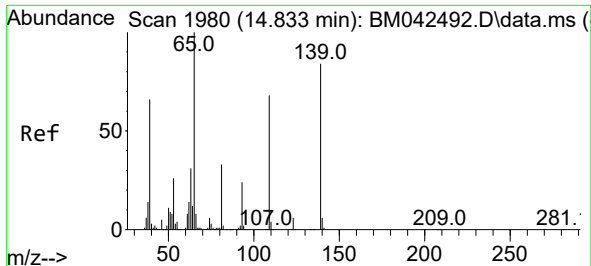
Ion Ratio Lower Upper

138 100

108 110.2 7.9 11.9#

92 110.6 100.7 151.1

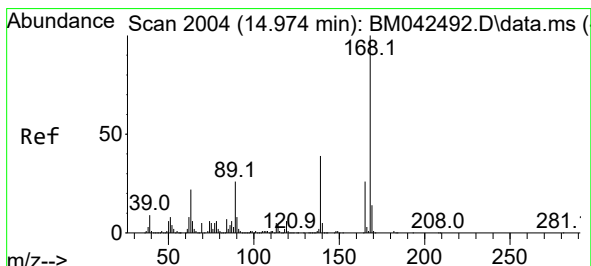
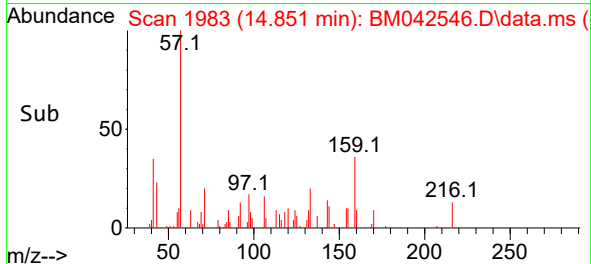
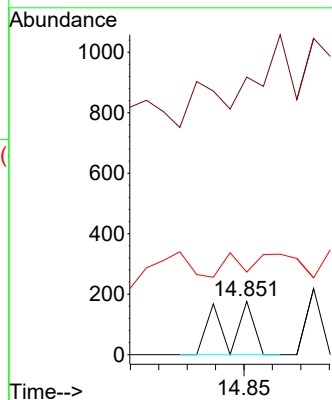
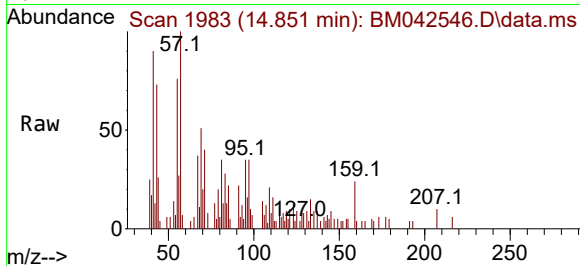




#56
4-Nitrophenol
Concen: 6.999 ng
RT: 14.851 min Scan# 1980
Delta R.T. 0.018 min
Lab File: BM042546.D
Acq: 01 Nov 2023 19:01

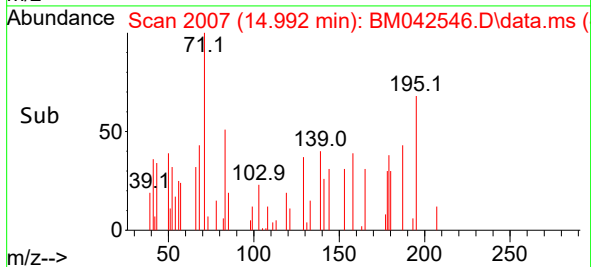
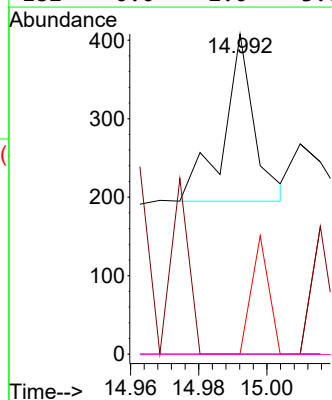
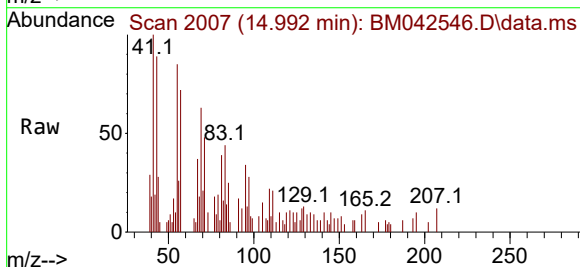
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SU-02-10302023

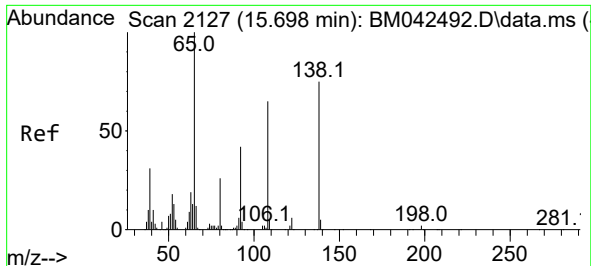
Tgt Ion:139 Resp: 121
Ion Ratio Lower Upper
139 100
109 521.6 61.3 101.3#
65 155.1 100.2 140.2#



#57
2,4-Dinitrotoluene
Concen: 4.001 ng
RT: 14.992 min Scan# 2007
Delta R.T. 0.018 min
Lab File: BM042546.D
Acq: 01 Nov 2023 19:01

Tgt Ion:165 Resp: 133
Ion Ratio Lower Upper
165 100
63 0.0 66.7 100.1#
89 0.0 80.2 120.4#
182 0.0 2.0 3.0#

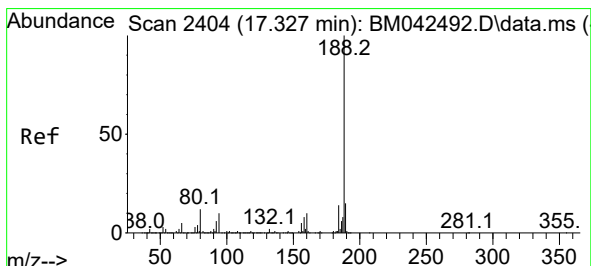
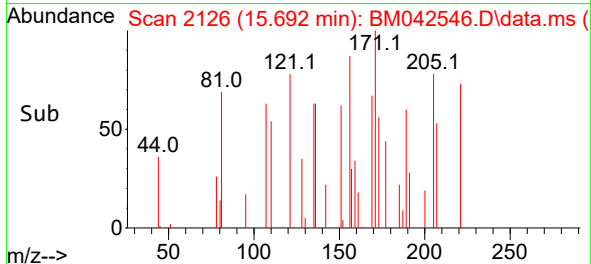
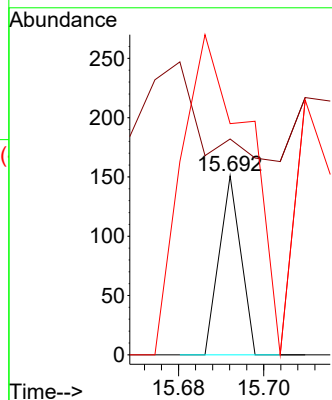
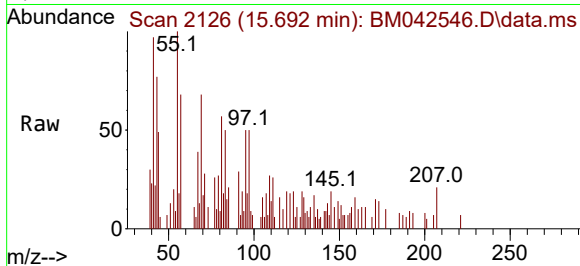




#62
4-Nitroaniline
Concen: 5.757 ng
RT: 15.692 min Scan# 2127
Delta R.T. -0.006 min
Lab File: BM042546.D
Acq: 01 Nov 2023 19:01

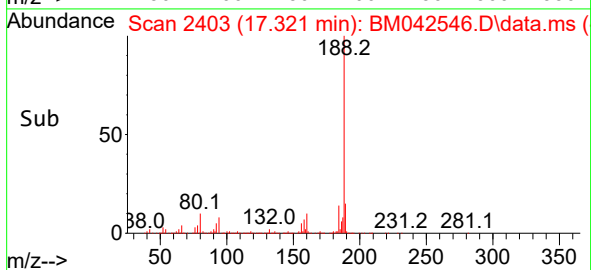
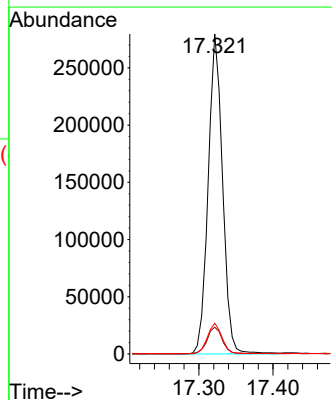
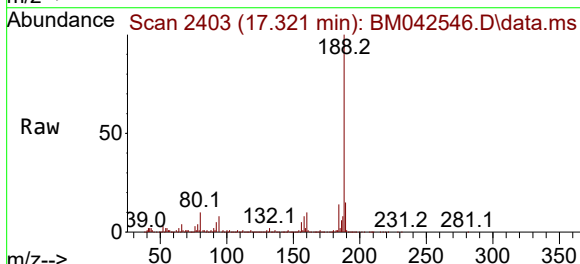
Instrument :
BNA_M
ClientSampleId :
SU-02-10302023

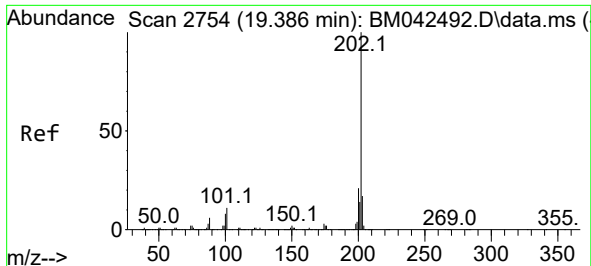
Tgt Ion:138 Resp: 53
Ion Ratio Lower Upper
138 100
92 120.5 37.0 77.0#
108 129.1 67.2 107.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.321 min Scan# 2403
Delta R.T. -0.006 min
Lab File: BM042546.D
Acq: 01 Nov 2023 19:01

Tgt Ion:188 Resp: 377997
Ion Ratio Lower Upper
188 100
94 8.3 8.2 12.4
80 9.6 9.4 14.2

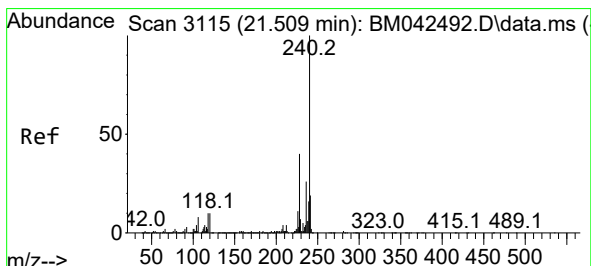
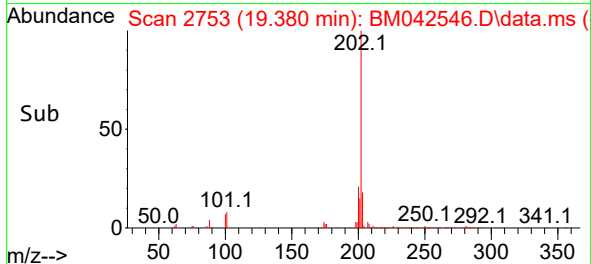
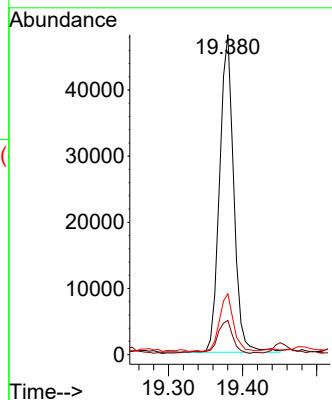
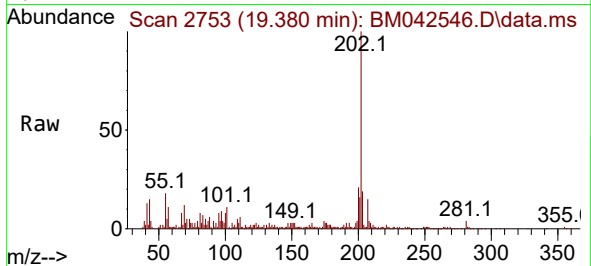




#75
Fluoranthene
Concen: 2.747 ng
RT: 19.380 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM042546.D
Acq: 01 Nov 2023 19:01

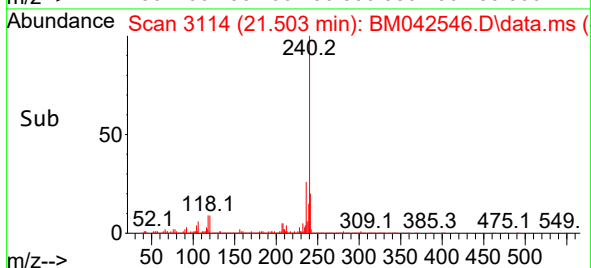
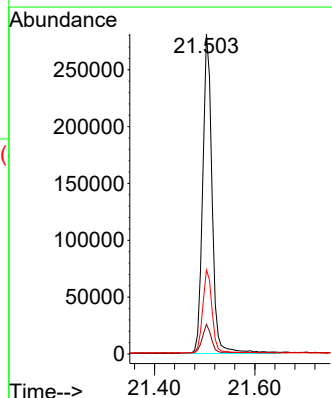
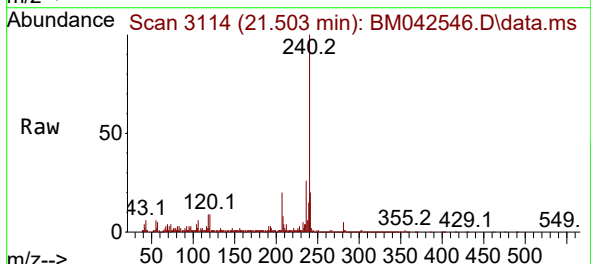
Instrument :
BNA_M
ClientSampleId :
SU-02-10302023

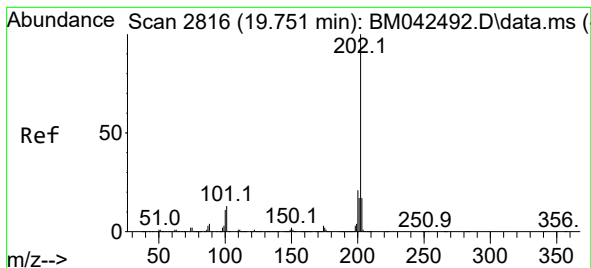
Tgt Ion:202 Resp: 63751
Ion Ratio Lower Upper
202 100
101 10.7 0.0 30.5
203 19.1 0.0 37.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.503 min Scan# 3114
Delta R.T. -0.006 min
Lab File: BM042546.D
Acq: 01 Nov 2023 19:01

Tgt Ion:240 Resp: 366001
Ion Ratio Lower Upper
240 100
120 9.2 8.3 12.5
236 26.3 20.8 31.2





#78

Pyrene

Concen: 2.873 ng

RT: 19.745 min Scan# 2815

Delta R.T. -0.006 min

Lab File: BM042546.D

Acq: 01 Nov 2023 19:01

Instrument :

BNA_M

ClientSampleId :

SU-02-10302023

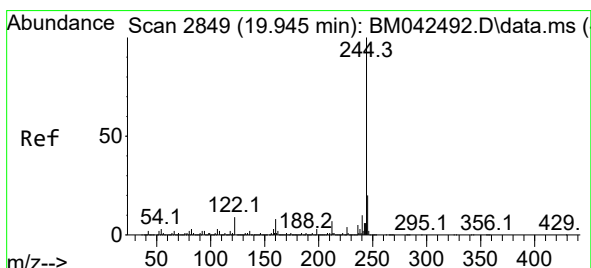
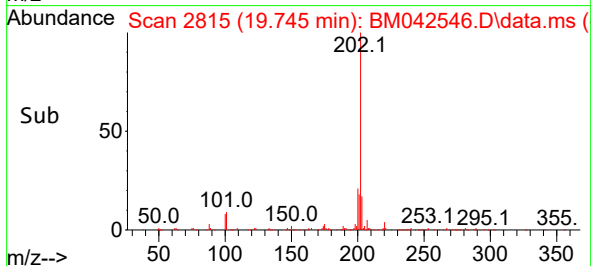
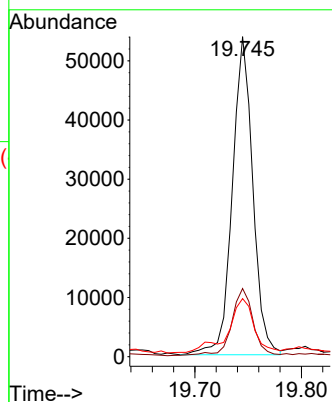
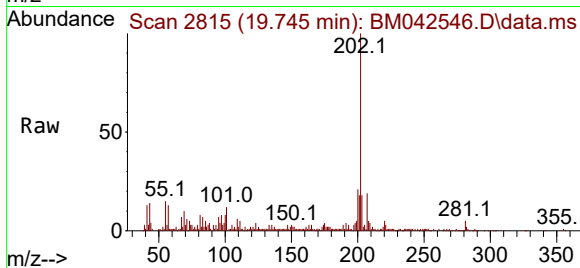
Tgt Ion:202 Resp: 72193

Ion Ratio Lower Upper

202 100

200 21.3 16.9 25.3

203 18.2 13.7 20.5



#79

Terphenyl-d14

Concen: 52.736 ng

RT: 19.939 min Scan# 2848

Delta R.T. -0.006 min

Lab File: BM042546.D

Acq: 01 Nov 2023 19:01

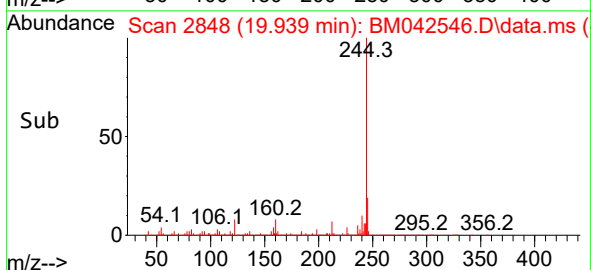
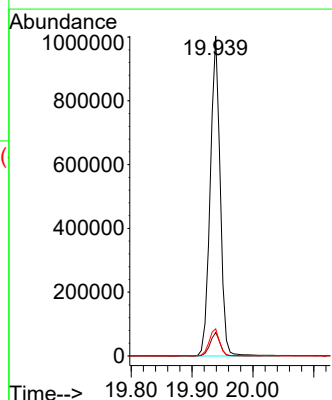
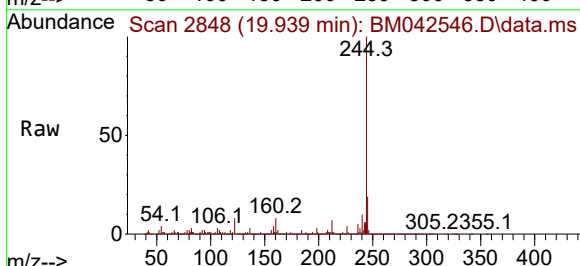
Tgt Ion:244 Resp: 1138319

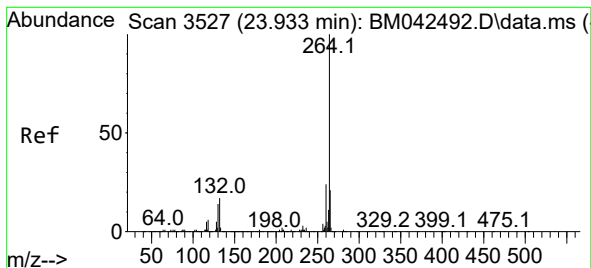
Ion Ratio Lower Upper

244 100

212 7.4 5.4 8.2

122 8.4 7.2 10.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.927 min Scan# 3

Delta R.T. -0.006 min

Lab File: BM042546.D

Acq: 01 Nov 2023 19:01

Instrument :

BNA_M

ClientSampleId :

SU-02-10302023

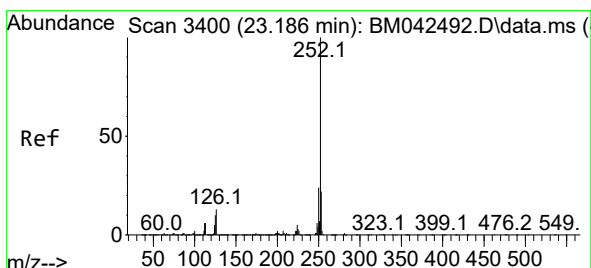
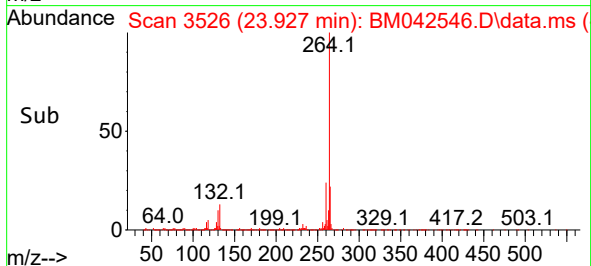
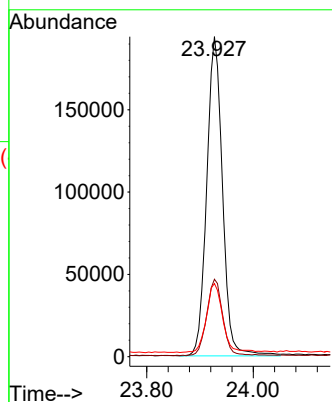
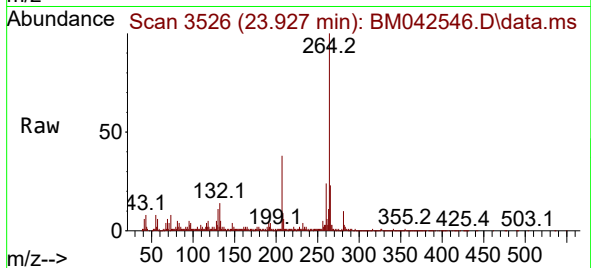
Tgt Ion:264 Resp: 399149

Ion Ratio Lower Upper

264 100

260 24.2 19.0 28.4

265 22.9 18.7 28.1



#88

Benzo(b)fluoranthene

Concen: 3.140 ng

RT: 23.180 min Scan# 3399

Delta R.T. -0.006 min

Lab File: BM042546.D

Acq: 01 Nov 2023 19:01

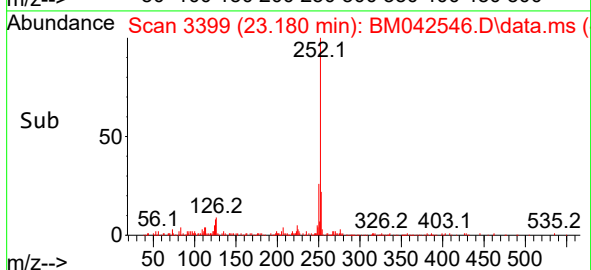
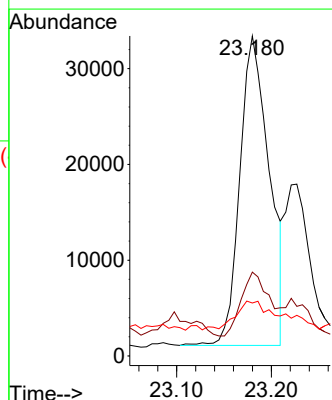
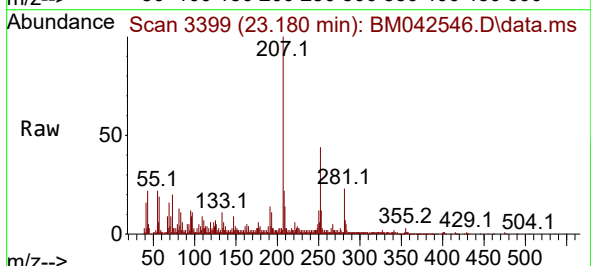
Tgt Ion:252 Resp: 69820

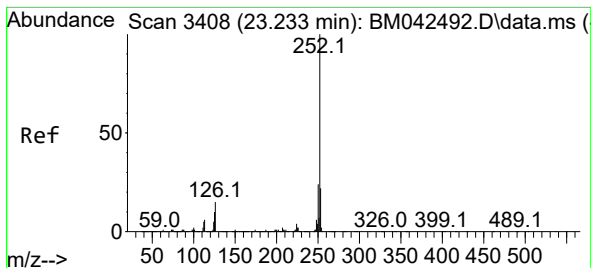
Ion Ratio Lower Upper

252 100

253 26.2 17.5 26.3

125 16.5 7.8 11.6#





#89

Benzo(k)fluoranthene

Concen: 2.818 ng

RT: 23.180 min Scan# 31

Delta R.T. -0.053 min

Lab File: BM042546.D

Acq: 01 Nov 2023 19:01

Instrument :

BNA_M

ClientSampleId :

SU-02-10302023

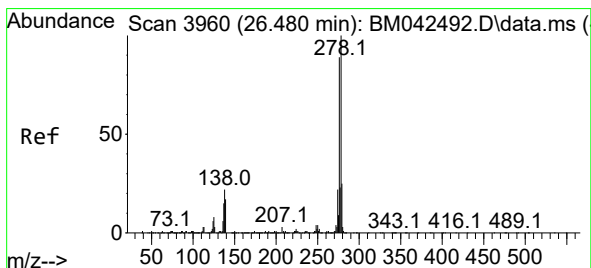
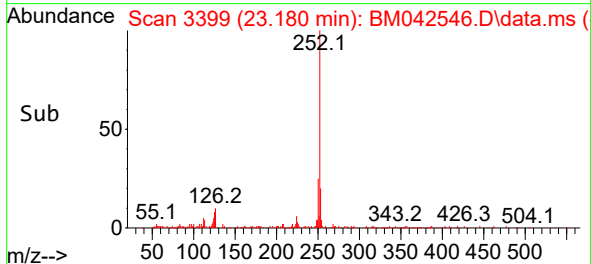
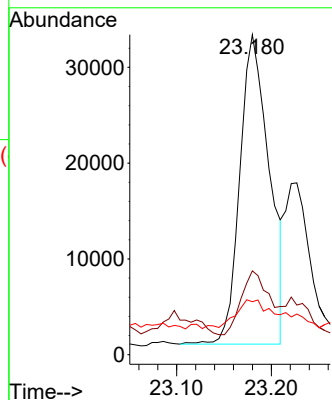
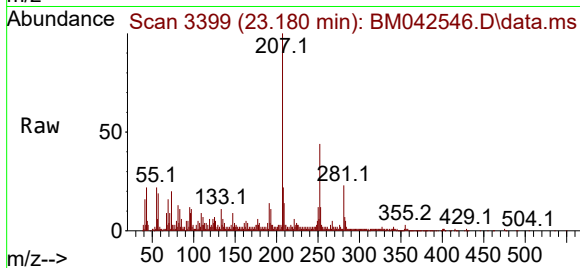
Tgt Ion:252 Resp: 69820

Ion Ratio Lower Upper

252 100

253 26.2 17.6 26.4

125 16.5 8.2 12.4#



#91

Dibenzo(a,h)anthracene

Concen: 4.678 ng

RT: 26.474 min Scan# 3959

Delta R.T. -0.006 min

Lab File: BM042546.D

Acq: 01 Nov 2023 19:01

Tgt Ion:278 Resp: 12965

Ion Ratio Lower Upper

278 100

139 43.0 13.4 20.2#

279 47.2 19.7 29.5#

