

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)

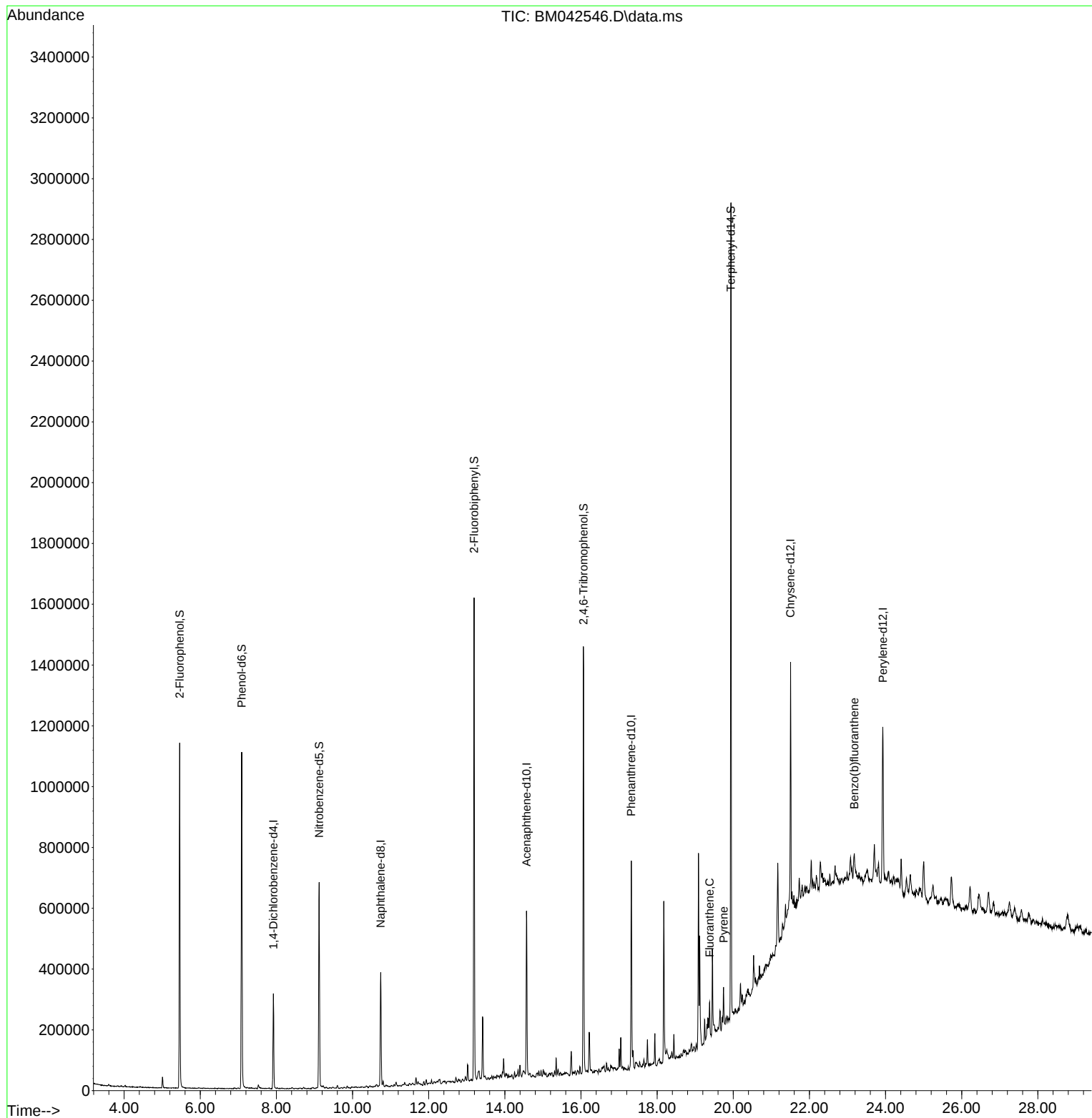
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.922	152	73282	20.000	ng	0.00
21) Naphthalene-d8	10.739	136	275648	20.000	ng	-0.01
39) Acenaphthene-d10	14.569	164	174219	20.000	ng	-0.01
64) Phenanthrene-d10	17.321	188	377997	20.000	ng	0.00
76) Chrysene-d12	21.503	240	366001	20.000	ng	0.00
86) Perylene-d12	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
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

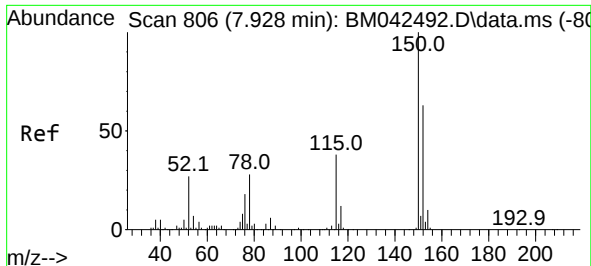
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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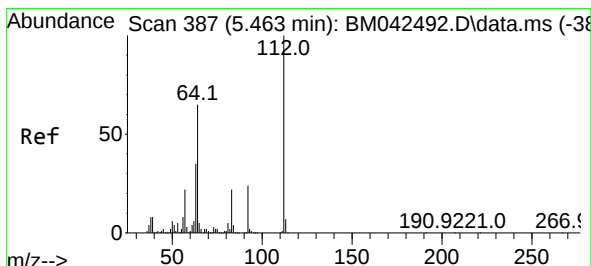
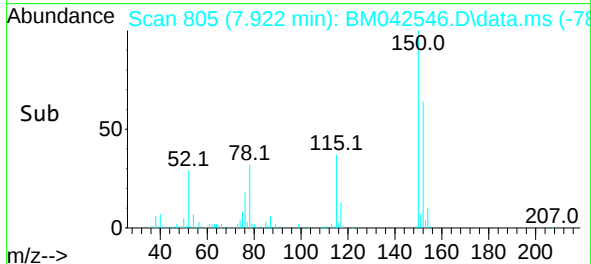
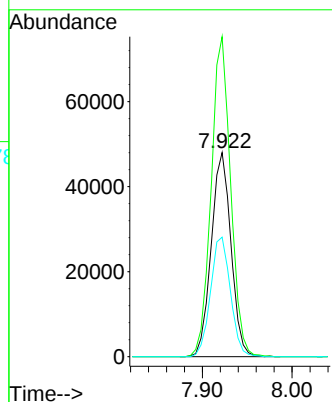
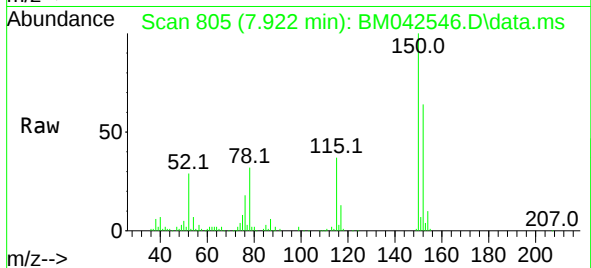




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.922 min Scan# 806
Delta R.T. -0.006 min
Lab File: BM042546.D
Acq: 01 Nov 2023 19:01

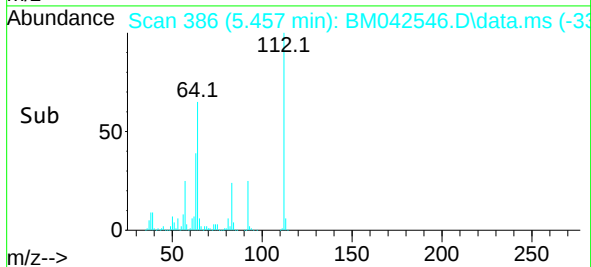
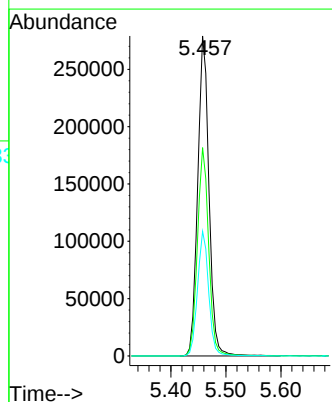
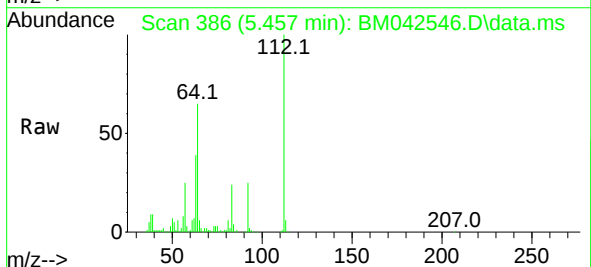
Instrument :
BNA_M
ClientSampleId :
SU-02-10302023

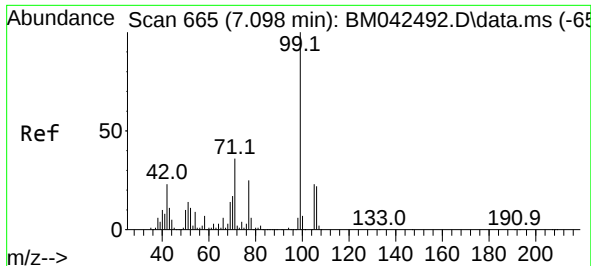
Tgt Ion:152 Resp: 73282
Ion Ratio Lower Upper
152 100
150 156.7 127.4 191.0
115 58.5 47.9 71.9



#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

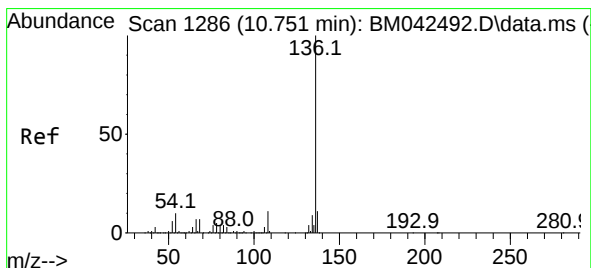
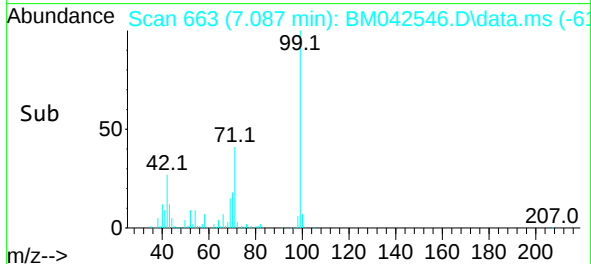
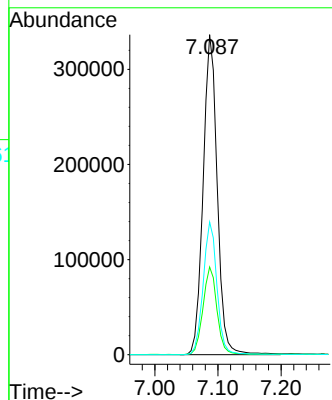
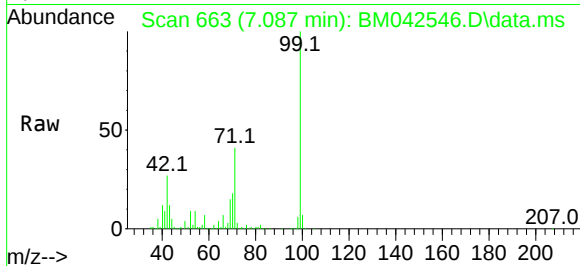




#7
Phenol-d6
Concen: 84.154 ng
RT: 7.087 min Scan# 61
Delta R.T. -0.012 min
Lab File: BM042546.D
Acq: 01 Nov 2023 19:01

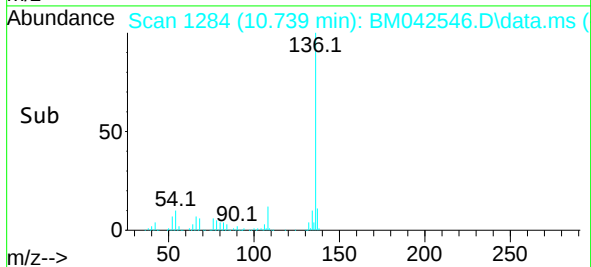
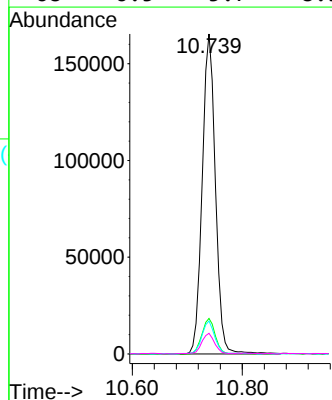
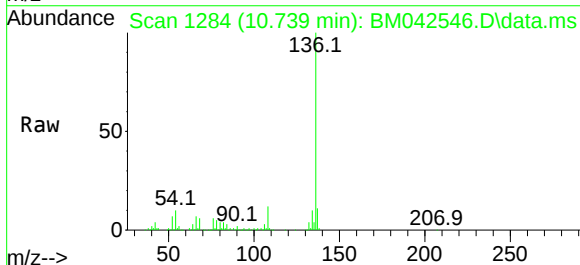
Instrument :
BNA_M
ClientSampleId :
SU-02-10302023

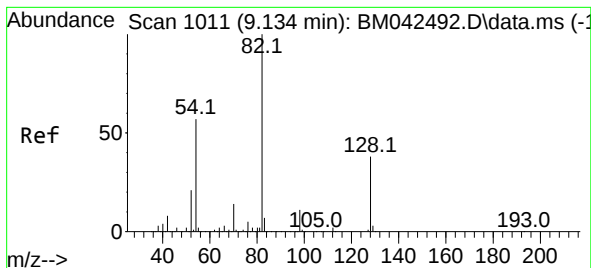
Tgt Ion: 99 Resp: 524062
Ion Ratio Lower Upper
99 100
42 27.4 18.7 28.1
71 41.4 29.1 43.7



#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 :

BNA_M

ClientSampleId :

SU-02-10302023

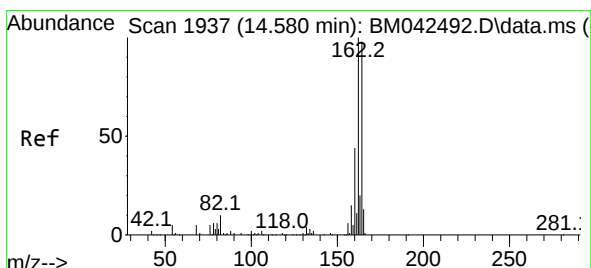
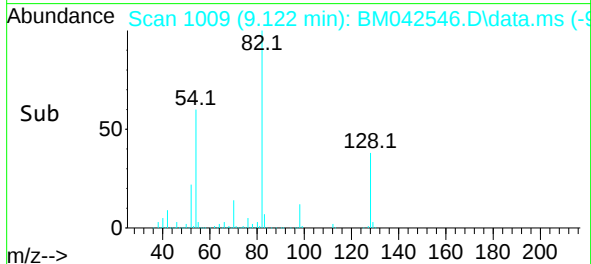
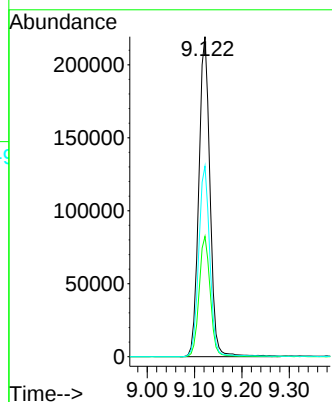
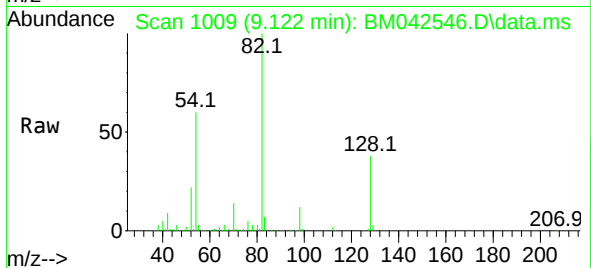
Tgt Ion: 82 Resp: 359856

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

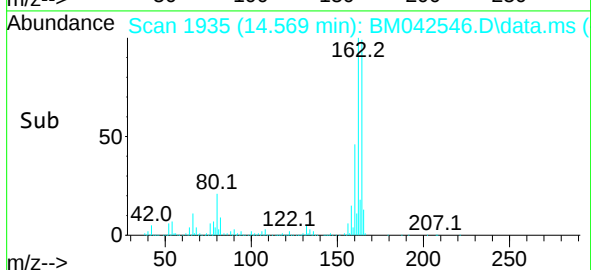
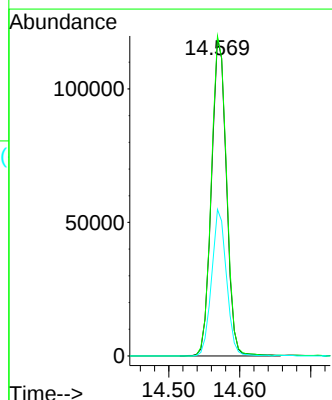
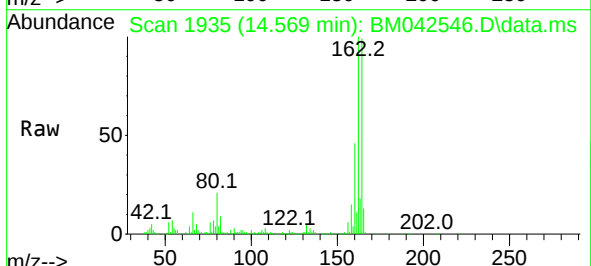
Tgt Ion: 164 Resp: 174219

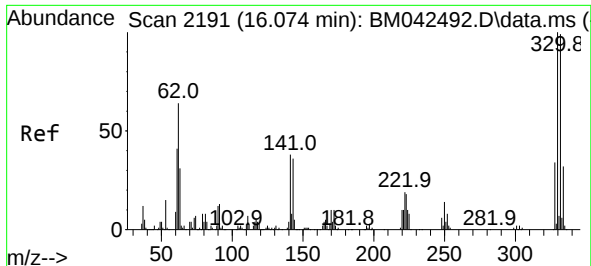
Ion Ratio Lower Upper

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# 21

Delta R.T. -0.005 min

Lab File: BM042546.D

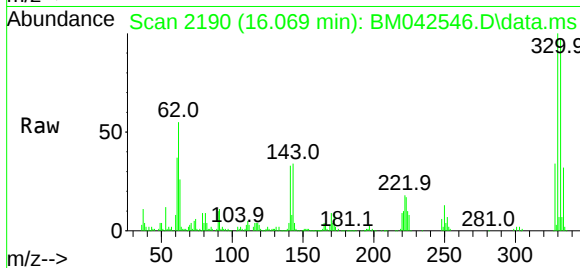
Acq: 01 Nov 2023 19:01

Instrument :

BNA_M

ClientSampleId :

SU-02-10302023



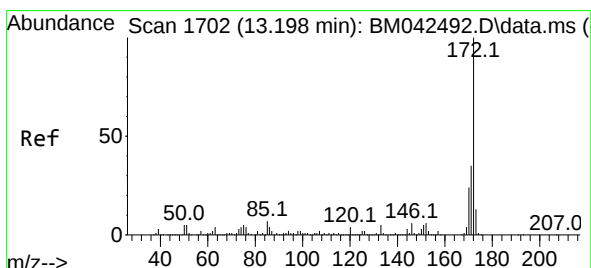
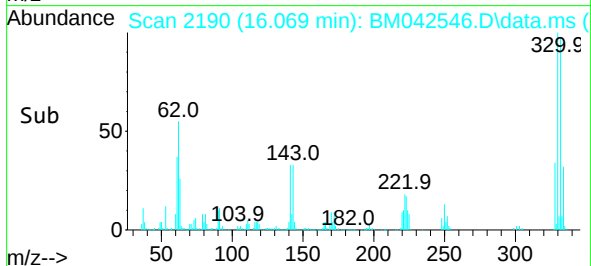
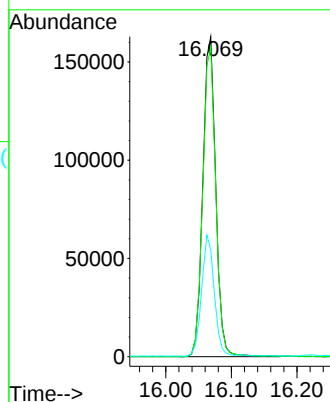
Tgt Ion:330 Resp: 223535

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

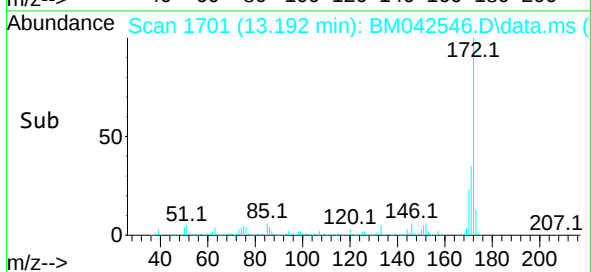
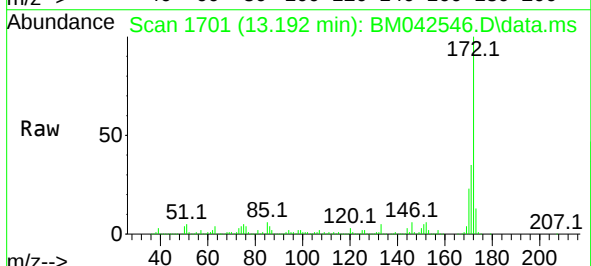
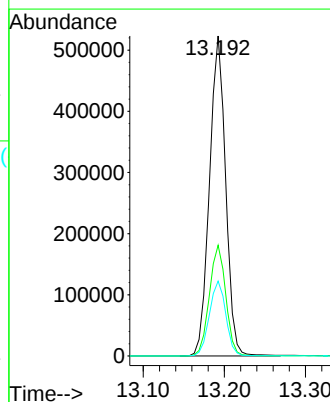
Tgt Ion:172 Resp: 722966

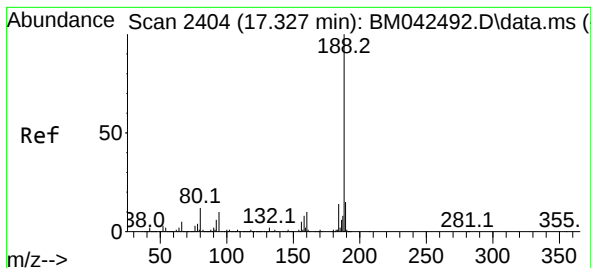
Ion Ratio Lower Upper

172 100

171 34.6 28.2 42.2

170 23.4 19.0 28.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.321 min Scan# 24

Delta R.T. -0.006 min

Lab File: BM042546.D

Acq: 01 Nov 2023 19:01

Instrument :

BNA_M

ClientSampleId :

SU-02-10302023

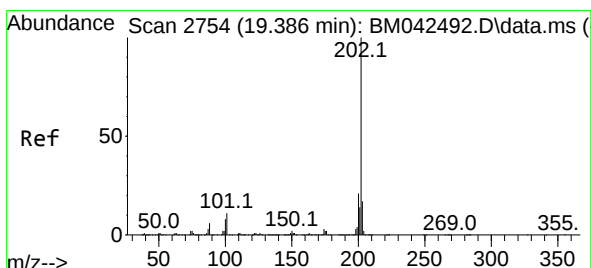
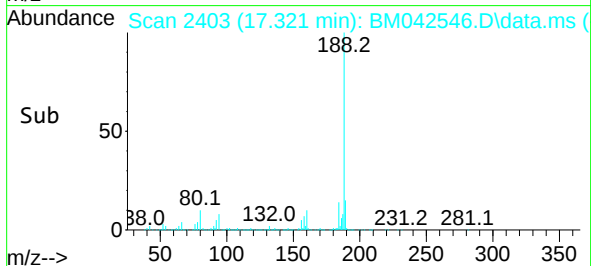
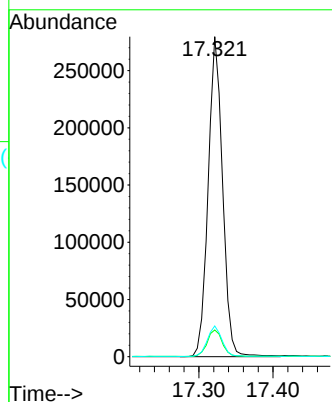
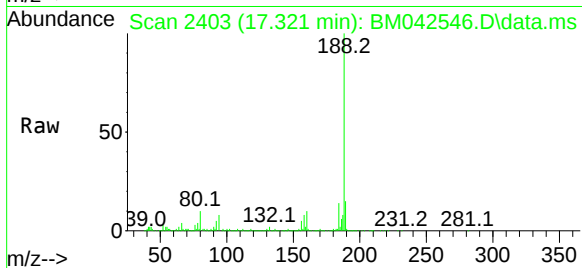
Tgt Ion:188 Resp: 377997

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# 2753

Delta R.T. -0.006 min

Lab File: BM042546.D

Acq: 01 Nov 2023 19:01

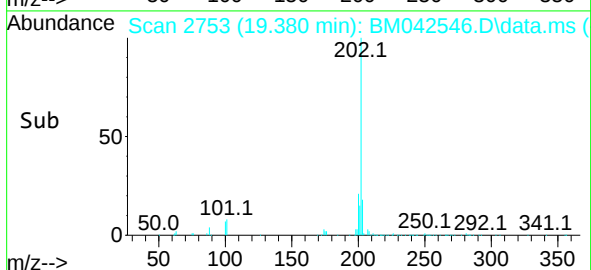
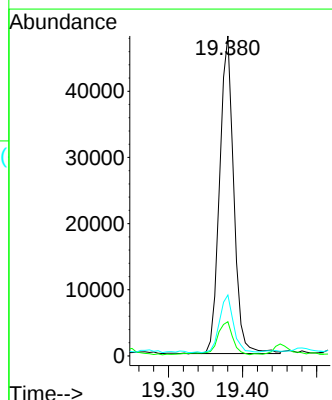
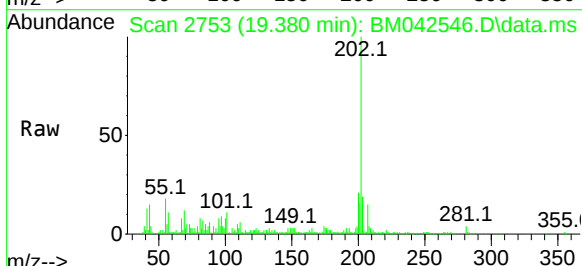
Tgt Ion:202 Resp: 63751

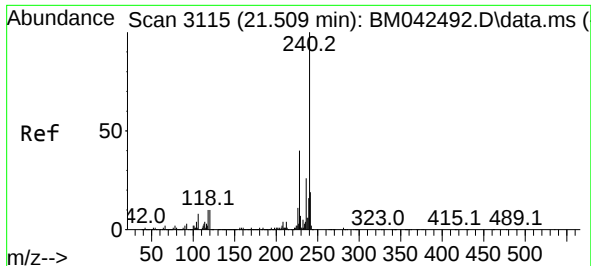
Ion Ratio Lower Upper

202 100

101 10.7 0.0 30.5

203 19.1 0.0 37.0

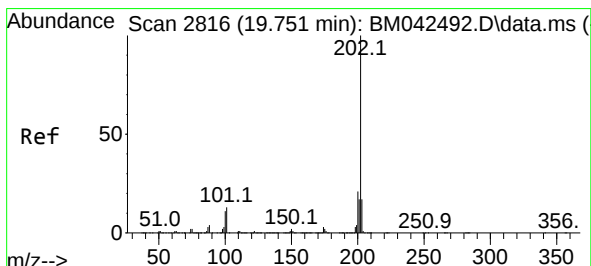
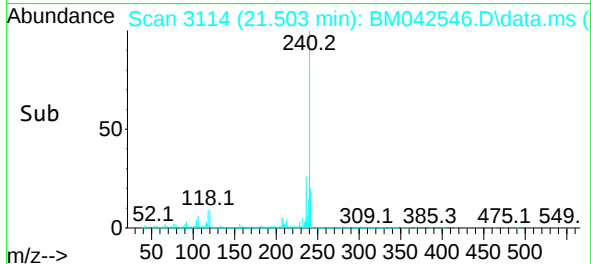
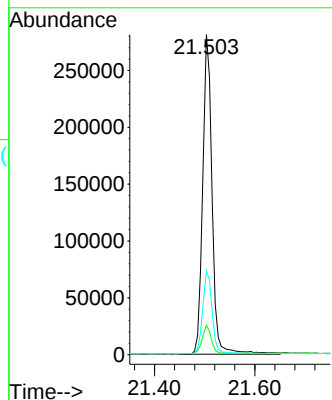
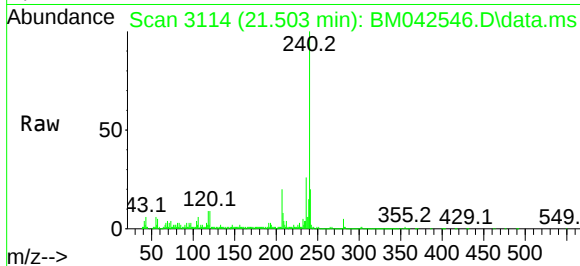




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.503 min Scan# 3114
Delta R.T. -0.006 min
Lab File: BM042546.D
Acq: 01 Nov 2023 19:01

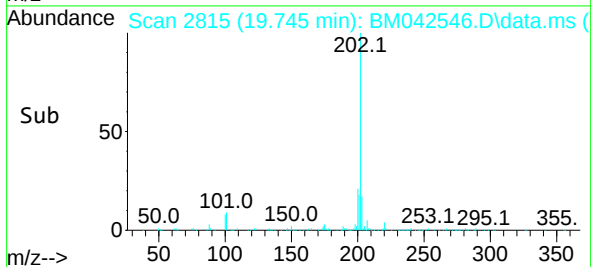
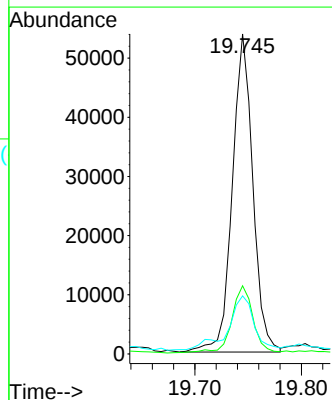
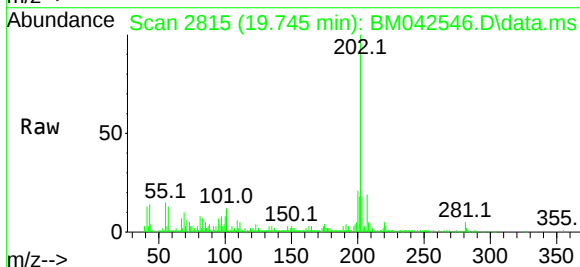
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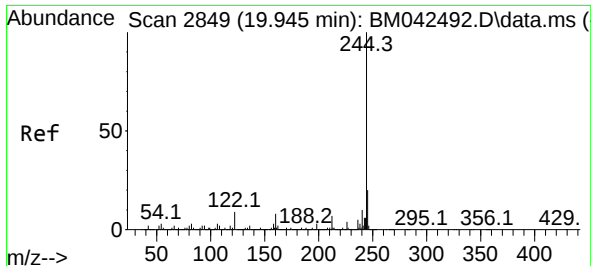
Tgt Ion:240 Resp: 366001
Ion Ratio Lower Upper
240 100
120 9.2 8.3 12.5
236 26.3 20.8 31.2



#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

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

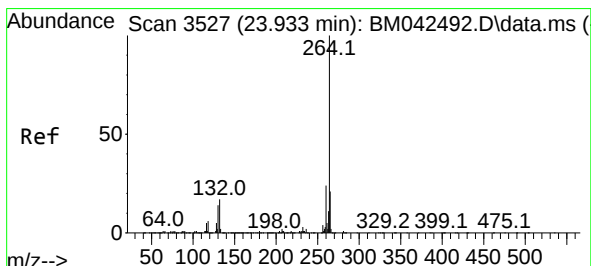
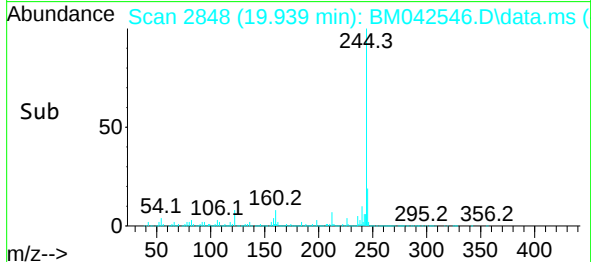
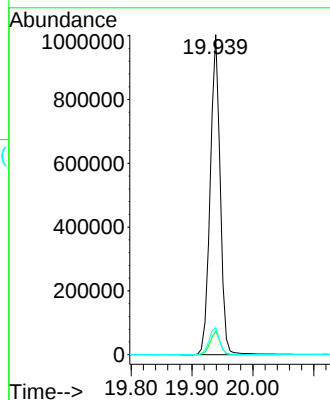
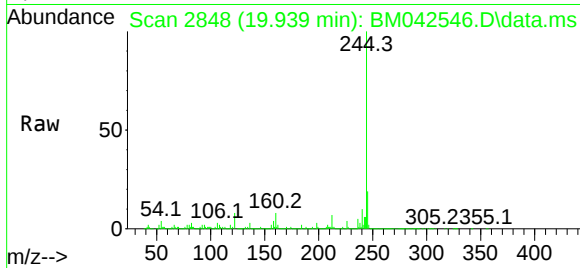




#79
 Terphenyl-d14
 Concen: 52.736 ng
 RT: 19.939 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM042546.D
 Acq: 01 Nov 2023 19:01

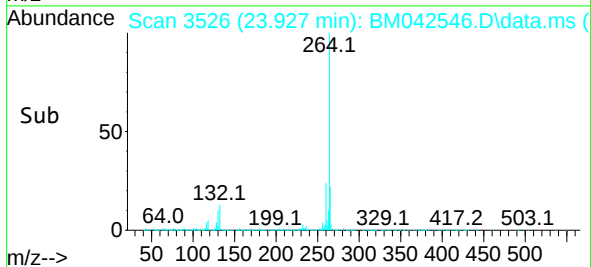
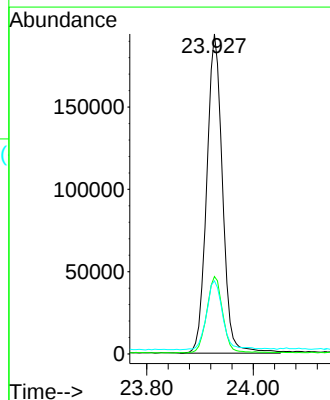
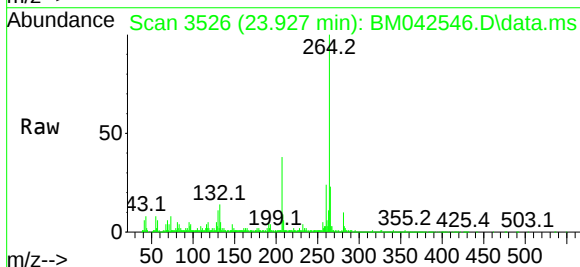
Instrument :
 BNA_M
 ClientSampleId :
 SU-02-10302023

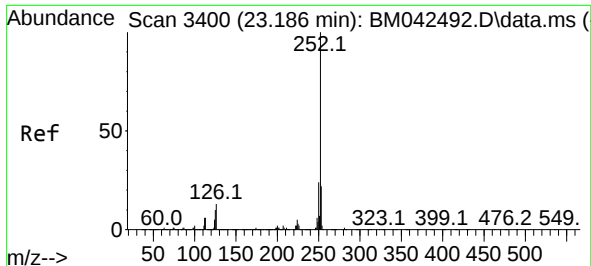
Tgt Ion:244 Resp: 1138319
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.4 8.2
 122 8.4 7.2 10.8



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.927 min Scan# 3526
 Delta R.T. -0.006 min
 Lab File: BM042546.D
 Acq: 01 Nov 2023 19:01

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# 31
 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:252 Resp: 69820
 Ion Ratio Lower Upper
 252 100
 253 26.2 17.5 26.3
 125 16.5 7.8 11.6#

