

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092923\
 Data File : BM042142.D
 Acq On : 29 Sep 2023 12:45
 Operator : MA/JU
 Sample : 04478-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EFF-WW

Quant Time: Sep 29 13:28:03 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 19 04:49:34 2023
 Response via : Initial Calibration

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

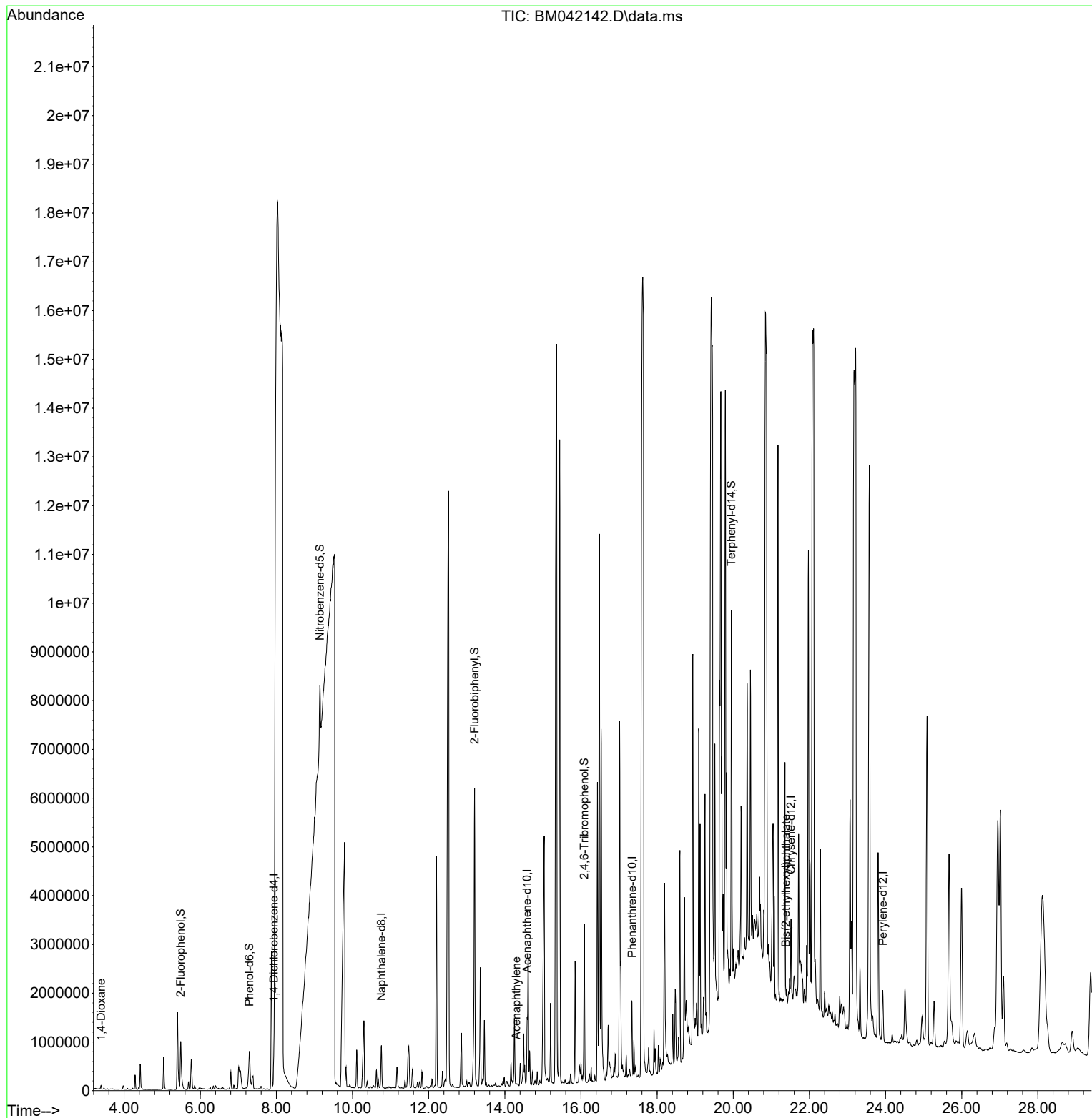
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.934	152	187404	20.000	ng	-0.04
21) Naphthalene-d8	10.757	136	693241	20.000	ng	-0.03
39) Acenaphthene-d10	14.586	164	425810	20.000	ng	-0.03
64) Phenanthrene-d10	17.339	188	849553	20.000	ng	-0.03
76) Chrysene-d12	21.515	240	711026	20.000	ng	-0.03
86) Perylene-d12	23.927	264	788971	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	559791	49.753	ng	-0.02
7) Phenol-d6	7.293	99	459932	29.441	ng	0.18
23) Nitrobenzene-d5	9.139	82	968671	71.144	ng	-0.02
42) 2,4,6-Tribromophenol	16.086	330	497564	93.653	ng	-0.02
45) 2-Fluorobiphenyl	13.204	172	2920514	100.670	ng	-0.03
79) Terphenyl-d14	19.951	244	3523456	90.253	ng	-0.02
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.393	88	30364	6.616	ng	# 77
49) Acenaphthylene	14.304	152	80638	2.124	ng	97
84) Bis(2-ethylhexyl)phtha...	21.380	149	75113	2.301	ng	100

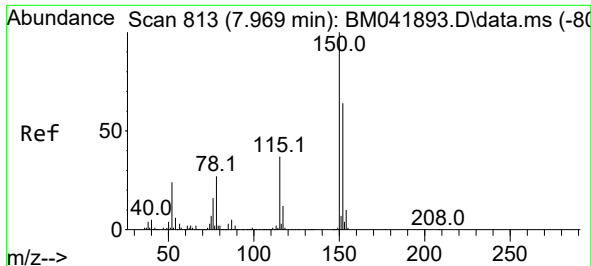
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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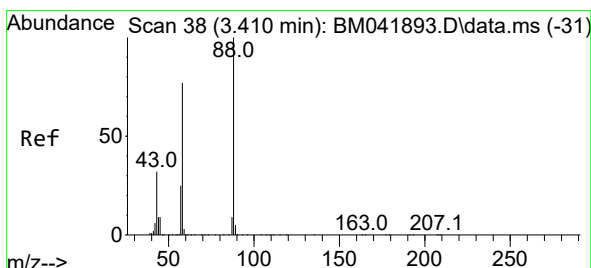
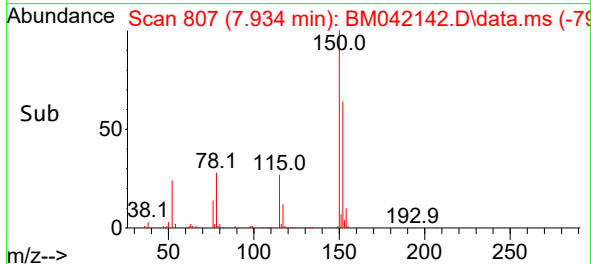
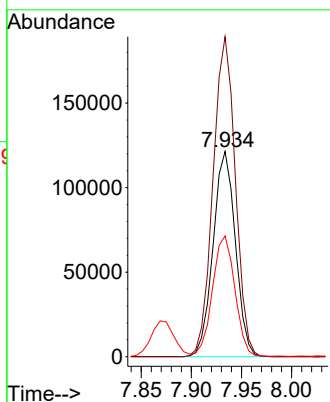
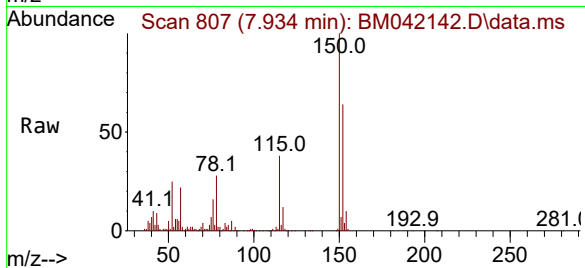




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.934 min Scan# 80
Delta R.T. -0.035 min
Lab File: BM042142.D
Acq: 29 Sep 2023 12:45

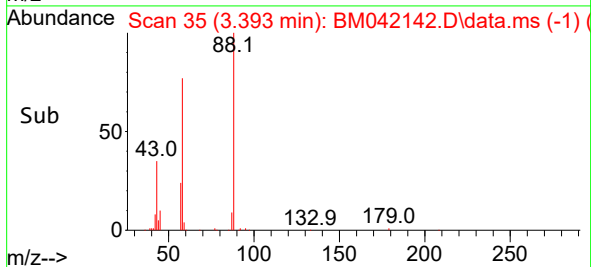
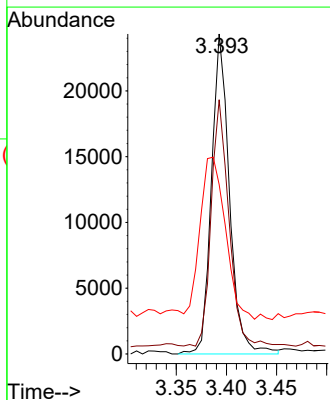
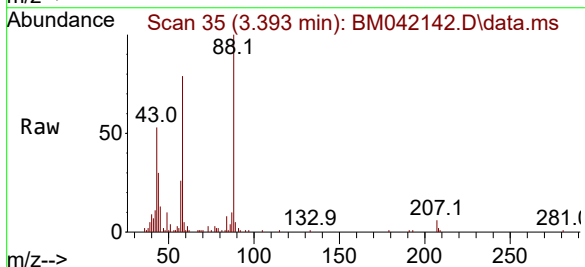
Instrument :
BNA_M
ClientSampleId :
EFF-WW

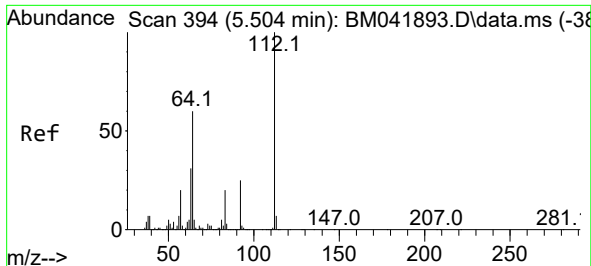
Tgt Ion:152 Resp: 187404
Ion Ratio Lower Upper
152 100
150 155.9 125.9 188.9
115 58.9 46.8 70.2



#2
1,4-Dioxane
Concen: 6.616 ng
RT: 3.393 min Scan# 35
Delta R.T. -0.018 min
Lab File: BM042142.D
Acq: 29 Sep 2023 12:45

Tgt Ion: 88 Resp: 30364
Ion Ratio Lower Upper
88 100
58 75.8 62.4 93.6
43 72.5 25.8 38.6#

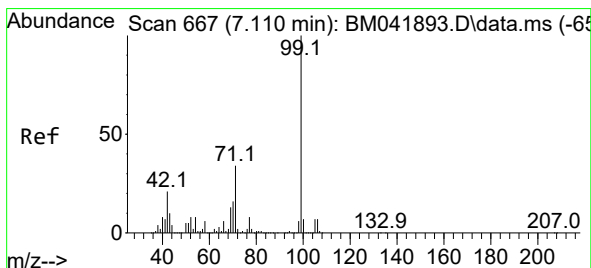
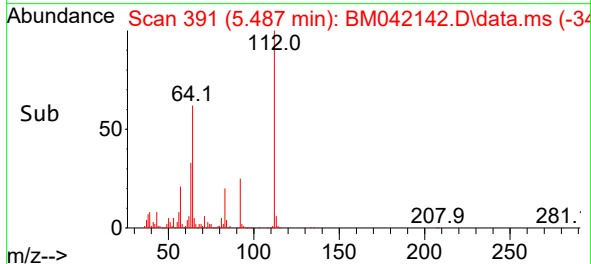
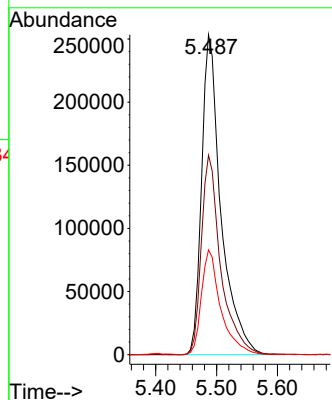
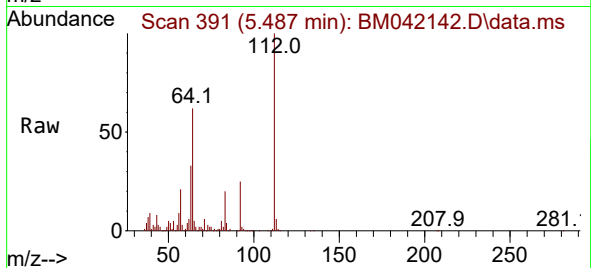




#5
2-Fluorophenol
Concen: 49.753 ng
RT: 5.487 min Scan# 391
Delta R.T. -0.018 min
Lab File: BM042142.D
Acq: 29 Sep 2023 12:45

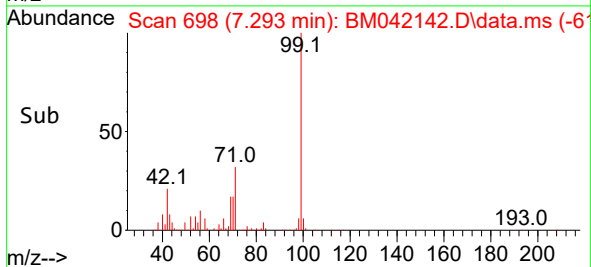
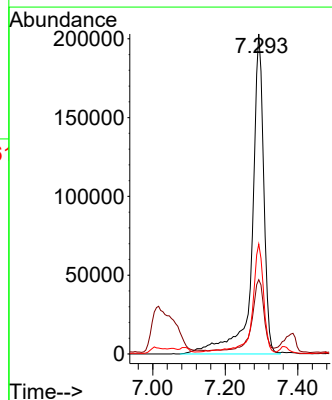
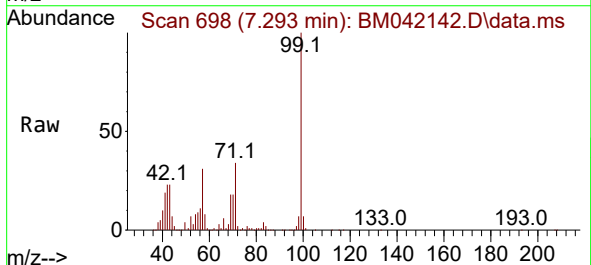
Instrument :
BNA_M
ClientSampleId :
EFF-WW

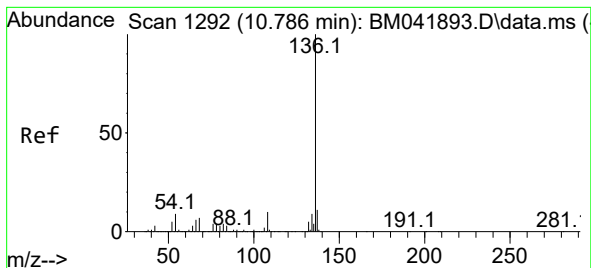
Tgt Ion:112 Resp: 559791
Ion Ratio Lower Upper
112 100
64 62.3 48.1 72.1
63 32.7 25.0 37.6



#7
Phenol-d6
Concen: 29.441 ng
RT: 7.293 min Scan# 698
Delta R.T. 0.182 min
Lab File: BM042142.D
Acq: 29 Sep 2023 12:45

Tgt Ion: 99 Resp: 459932
Ion Ratio Lower Upper
99 100
42 23.2 16.6 25.0
71 34.4 26.8 40.2

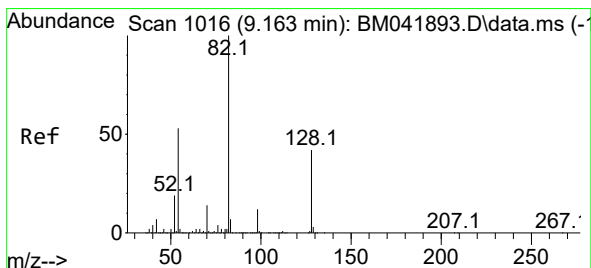
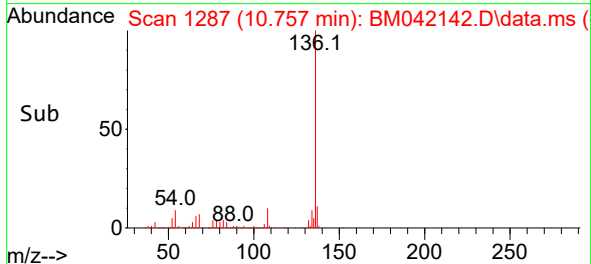
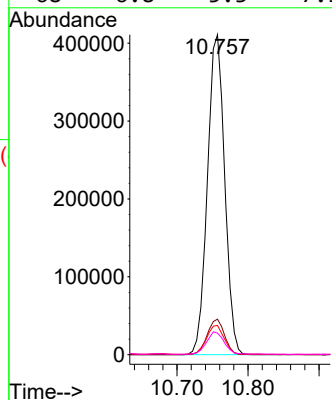
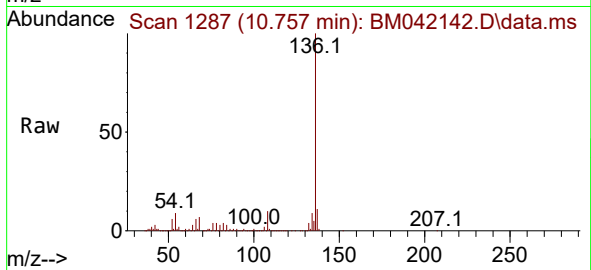




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.757 min Scan# 1
Delta R.T. -0.029 min
Lab File: BM042142.D
Acq: 29 Sep 2023 12:45

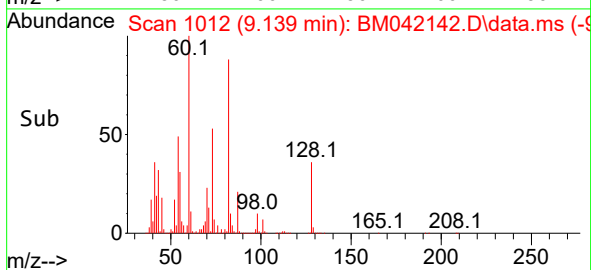
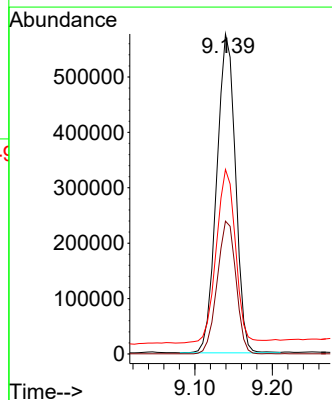
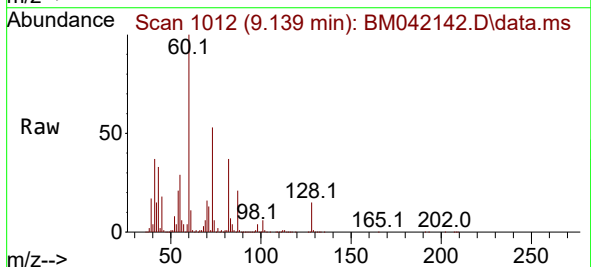
Instrument :
BNA_M
ClientSampleId :
EFF-WW

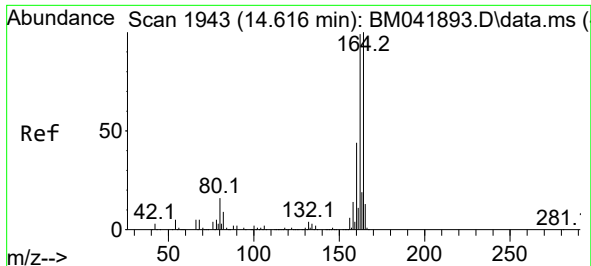
Tgt Ion:136 Resp: 693241
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 9.2 7.0 10.4
68 6.8 5.3 7.9



#23
Nitrobenzene-d5
Concen: 71.144 ng
RT: 9.139 min Scan# 1012
Delta R.T. -0.024 min
Lab File: BM042142.D
Acq: 29 Sep 2023 12:45

Tgt Ion: 82 Resp: 968671
Ion Ratio Lower Upper
82 100
128 41.5 33.8 50.6
54 57.7 42.8 64.2

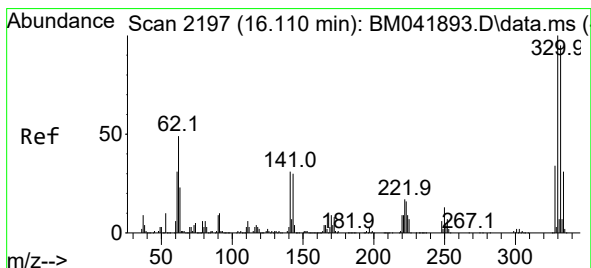
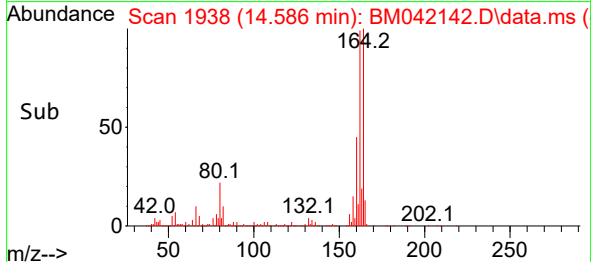
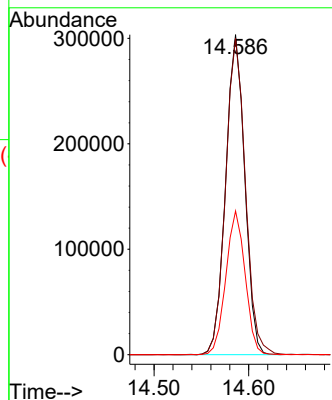
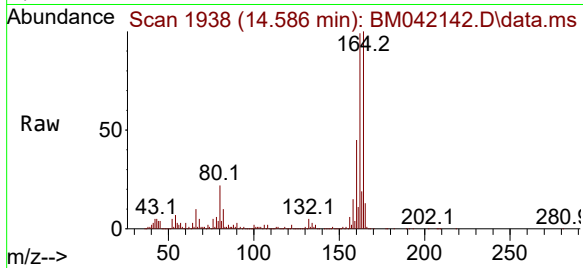




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.586 min Scan# 1938
Delta R.T. -0.030 min
Lab File: BM042142.D
Acq: 29 Sep 2023 12:45

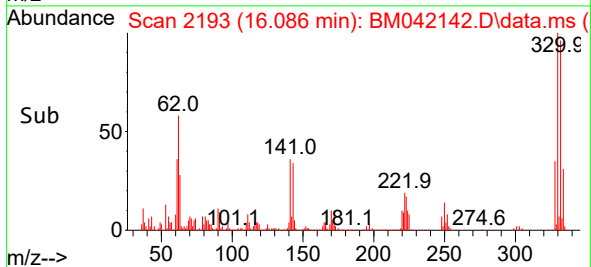
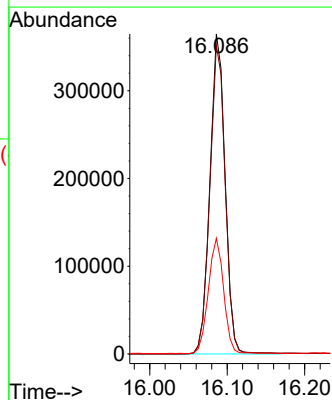
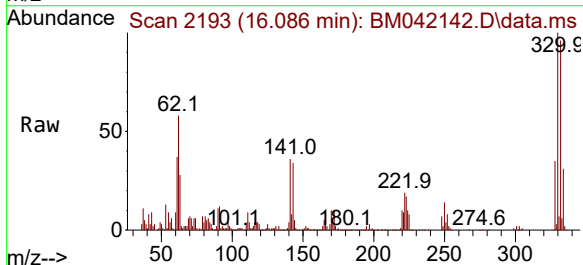
Instrument :
BNA_M
ClientSampleId :
EFF-WW

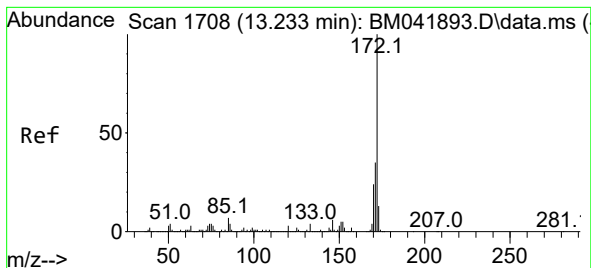
Tgt Ion:164 Resp: 425810
Ion Ratio Lower Upper
164 100
162 98.8 79.3 118.9
160 44.9 35.6 53.4



#42
2,4,6-Tribromophenol
Concen: 93.653 ng
RT: 16.086 min Scan# 2193
Delta R.T. -0.024 min
Lab File: BM042142.D
Acq: 29 Sep 2023 12:45

Tgt Ion:330 Resp: 497564
Ion Ratio Lower Upper
330 100
332 97.4 77.8 116.6
141 36.2 27.0 40.4





#45

2-Fluorobiphenyl

Concen: 100.670 ng

RT: 13.204 min Scan# 1

Delta R.T. -0.029 min

Lab File: BM042142.D

Acq: 29 Sep 2023 12:45

Instrument :

BNA_M

ClientSampleId :

EFF-WW

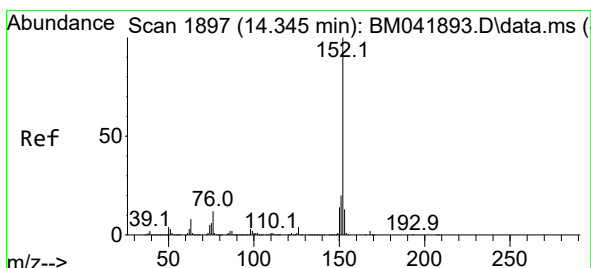
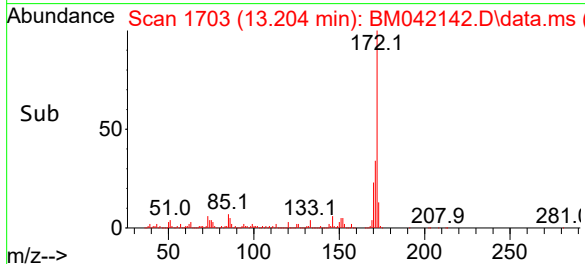
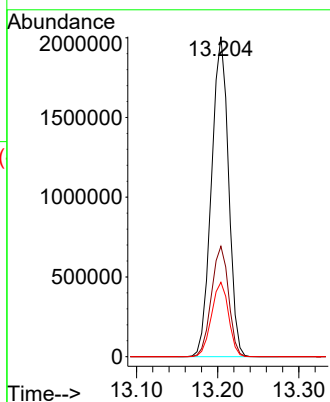
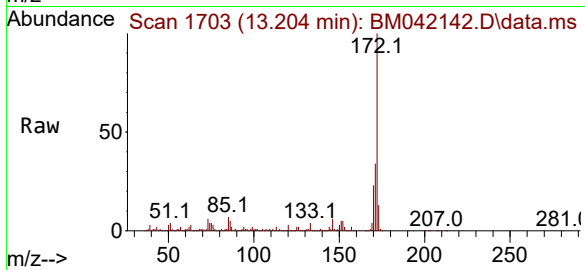
Tgt Ion:172 Resp: 2920514

Ion Ratio Lower Upper

172 100

171 34.5 28.2 42.4

170 23.3 19.1 28.7



#49

Acenaphthylene

Concen: 2.124 ng

RT: 14.304 min Scan# 1890

Delta R.T. -0.041 min

Lab File: BM042142.D

Acq: 29 Sep 2023 12:45

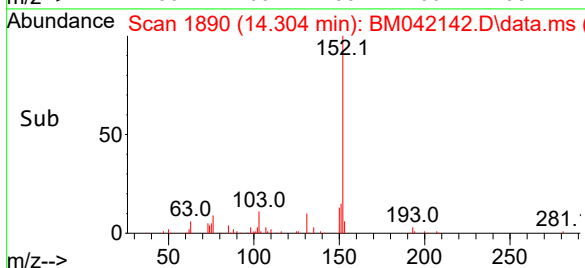
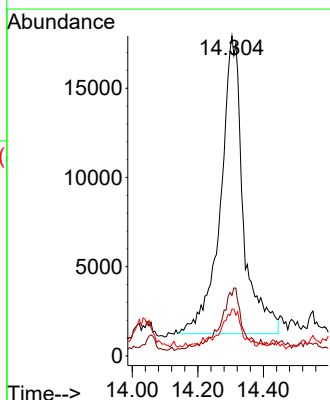
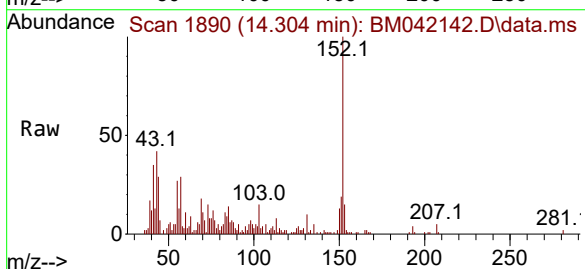
Tgt Ion:152 Resp: 80638

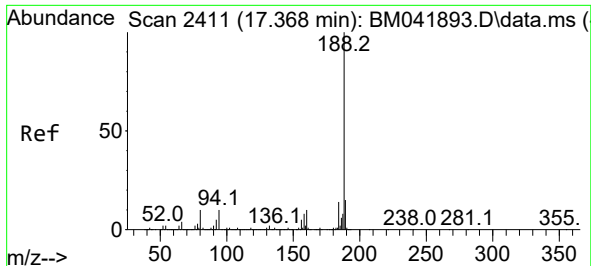
Ion Ratio Lower Upper

152 100

151 18.9 15.8 23.8

153 14.7 10.5 15.7

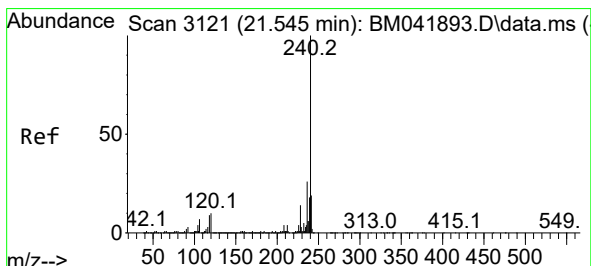
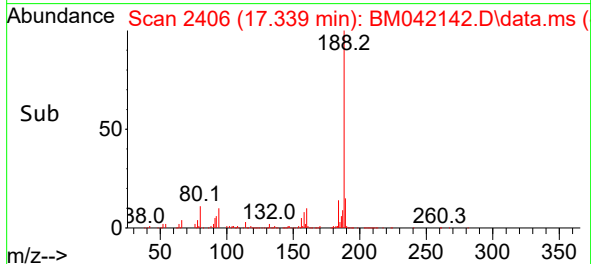
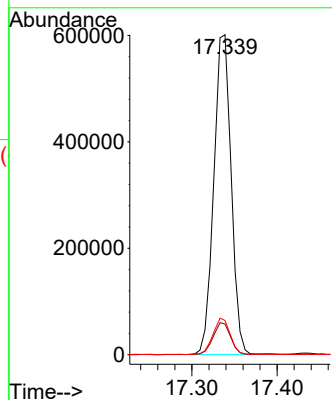
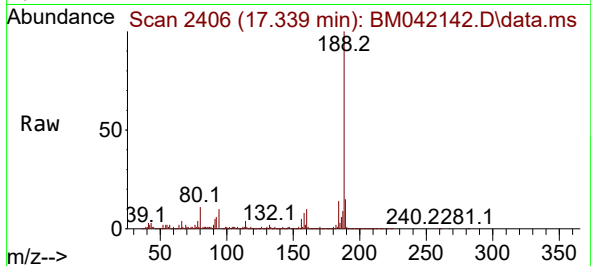




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.339 min Scan# 2411
Delta R.T. -0.030 min
Lab File: BM042142.D
Acq: 29 Sep 2023 12:45

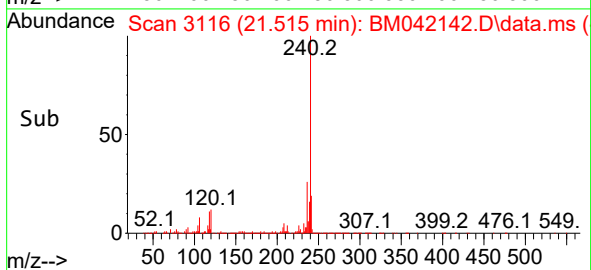
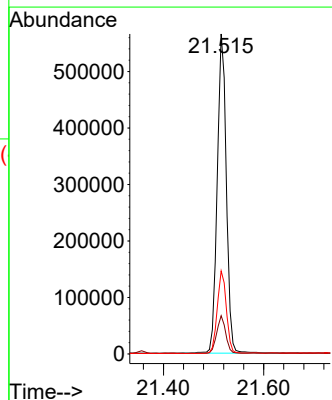
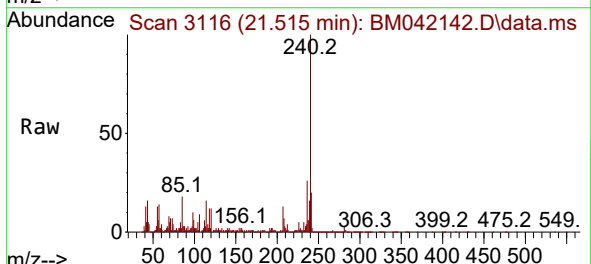
Instrument :
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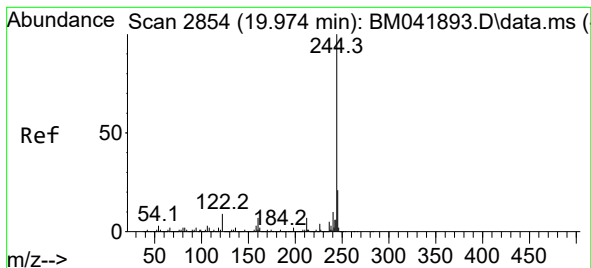
Tgt Ion:188 Resp: 849553
Ion Ratio Lower Upper
188 100
94 9.6 7.6 11.4
80 10.7 8.3 12.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.515 min Scan# 3116
Delta R.T. -0.029 min
Lab File: BM042142.D
Acq: 29 Sep 2023 12:45

Tgt Ion:240 Resp: 711026
Ion Ratio Lower Upper
240 100
120 11.9 8.1 12.1
236 25.9 20.7 31.1





#79

Terphenyl-d14

Concen: 90.253 ng

RT: 19.951 min Scan# 21

Delta R.T. -0.024 min

Lab File: BM042142.D

Acq: 29 Sep 2023 12:45

Instrument :

BNA_M

ClientSampleId :

EFF-WW

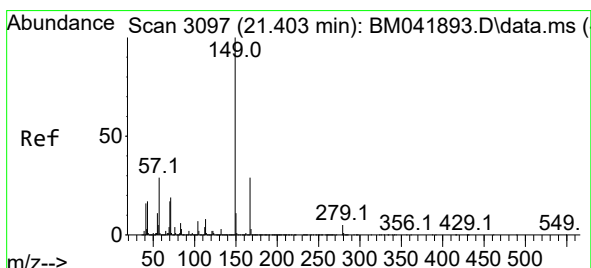
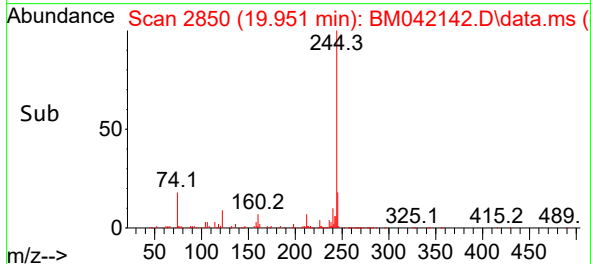
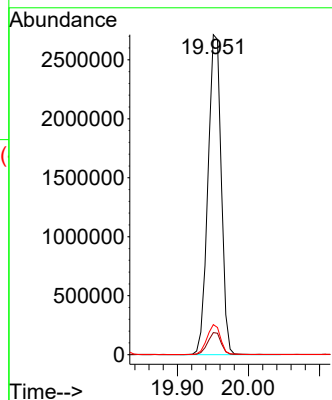
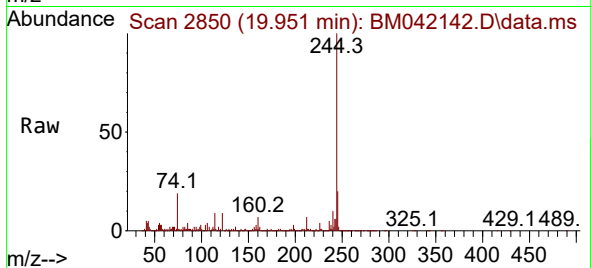
Tgt Ion:244 Resp: 3523456

Ion Ratio Lower Upper

244 100

212 6.9 5.7 8.5

122 9.4 7.4 11.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.301 ng

RT: 21.380 min Scan# 3093

Delta R.T. -0.024 min

Lab File: BM042142.D

Acq: 29 Sep 2023 12:45

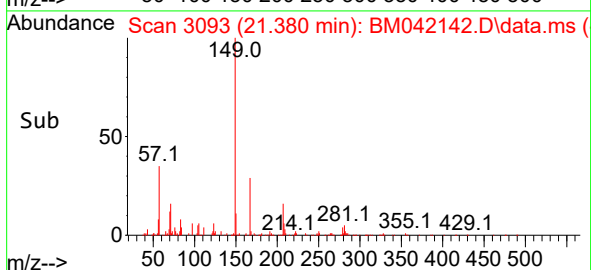
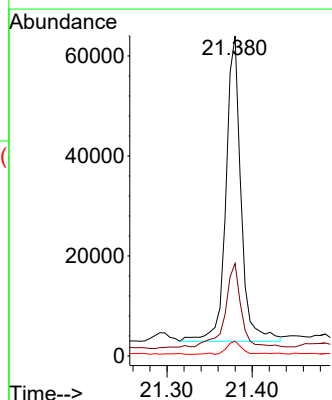
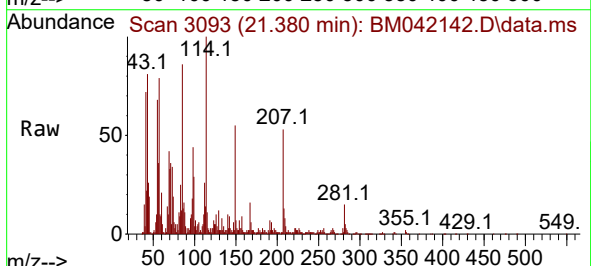
Tgt Ion:149 Resp: 75113

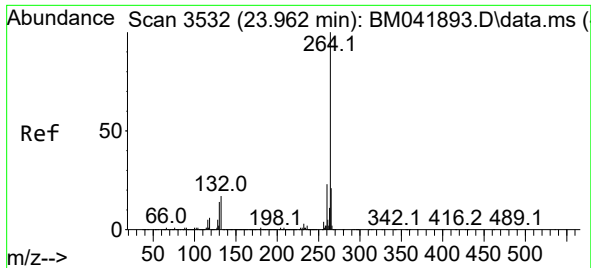
Ion Ratio Lower Upper

149 100

167 28.9 23.0 34.6

279 4.6 3.7 5.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.927 min Scan# 3

Delta R.T. -0.035 min

Lab File: BM042142.D

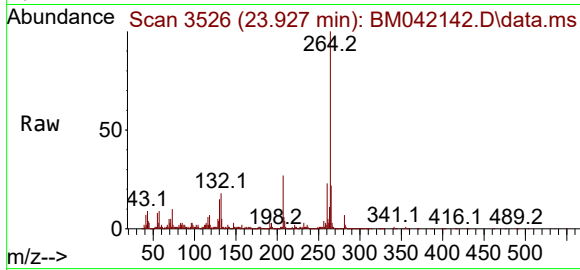
Acq: 29 Sep 2023 12:45

Instrument :

BNA_M

ClientSampleId :

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Tgt Ion:264 Resp: 788971

Ion Ratio Lower Upper

264 100

260 23.3 18.6 28.0

265 22.3 17.0 25.6

