

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021424\
 Data File : BM044088.D
 Acq On : 14 Feb 2024 18:26
 Operator : MA/JU
 Sample : P1446-02
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 RT3475

Quant Time: Feb 15 01:03:29 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 09 02:42:01 2024
 Response via : Initial Calibration

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

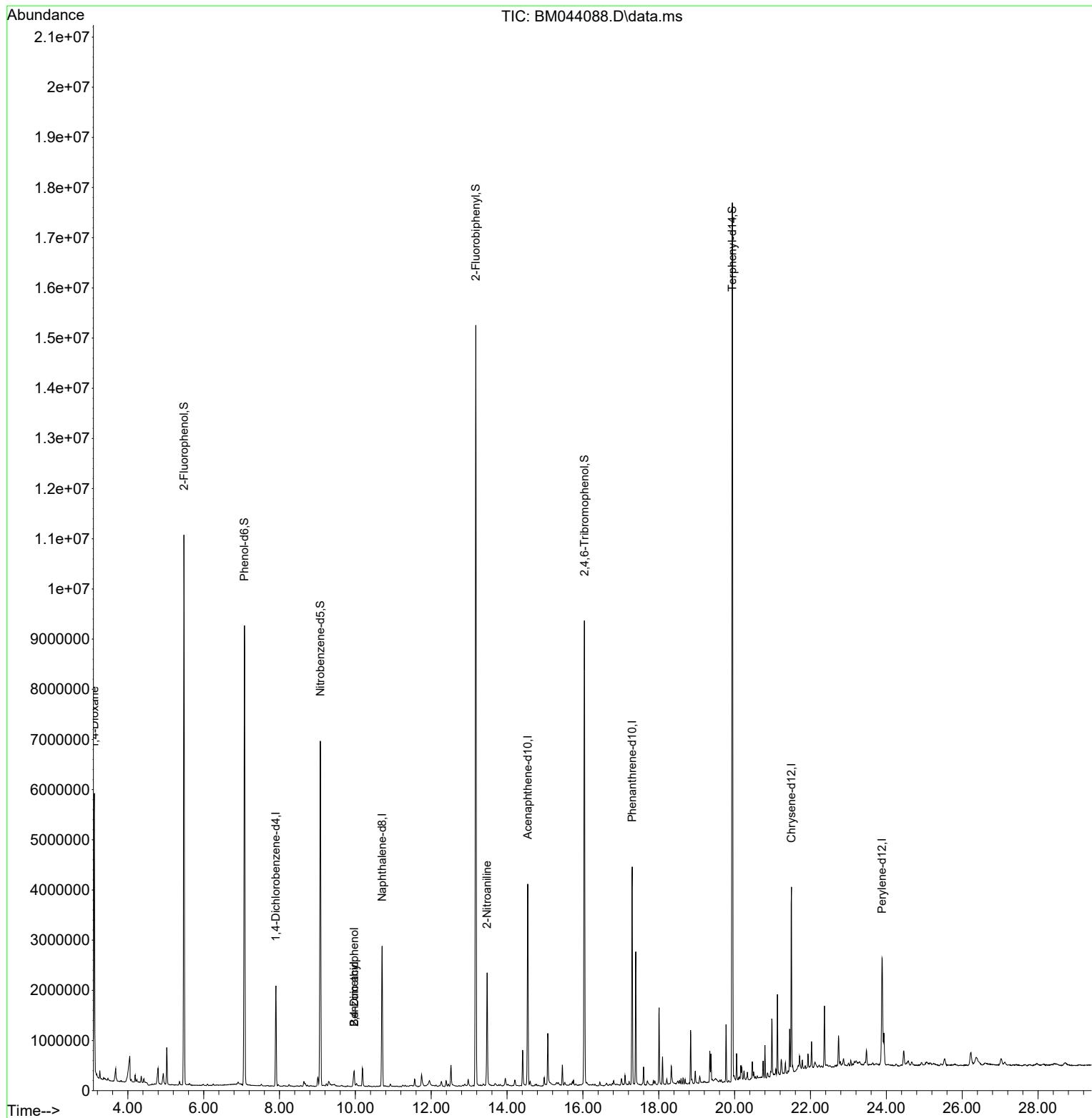
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.904	152	547875	20.000	ng	0.00
21) Naphthalene-d8	10.704	136	2354734	20.000	ng	-0.01
39) Acenaphthene-d10	14.545	164	1357891	20.000	ng	-0.01
64) Phenanthrene-d10	17.298	188	2601985	20.000	ng	0.00
76) Chrysene-d12	21.498	240	1632192	20.000	ng	0.00
86) Perylene-d12	23.886	264	1641891	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	5084703	134.983	ng	0.00
7) Phenol-d6	7.075	99	5865854	122.388	ng	0.00
23) Nitrobenzene-d5	9.075	82	4174239	94.066	ng	0.00
42) 2,4,6-Tribromophenol	16.039	330	1635116	111.215	ng	0.00
45) 2-Fluorobiphenyl	13.175	172	8172076	84.936	ng	0.00
79) Terphenyl-d14	19.939	244	8901191	95.602	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.116	88	33259	2.225	ng	# 1
27) 2,4-Dimethylphenol	9.969	122	162121	6.018	ng	# 6
32) Benzoic acid	9.969	122	162121	5.974	ng	97
48) 2-Nitroaniline	13.475	65	71897	3.011	ng	# 11

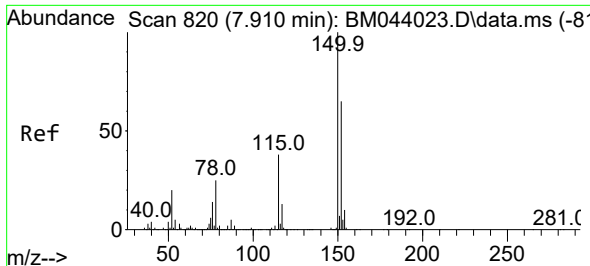
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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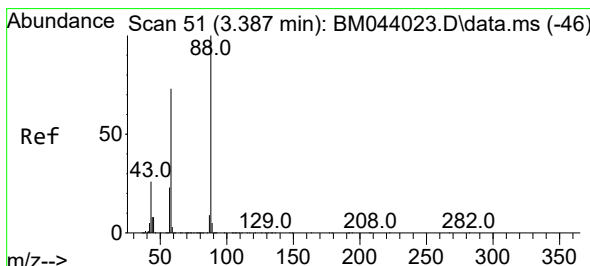
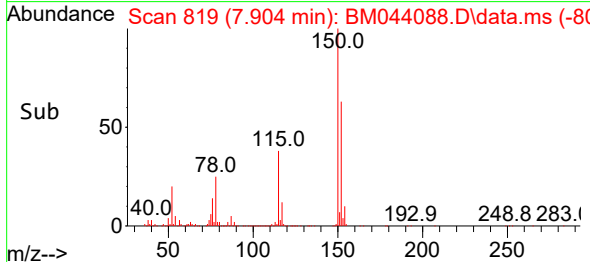
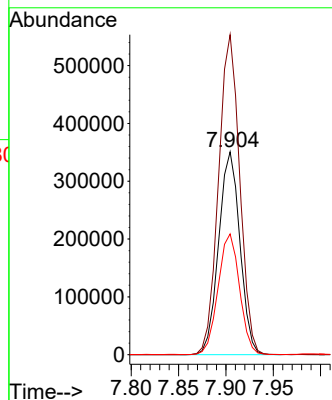
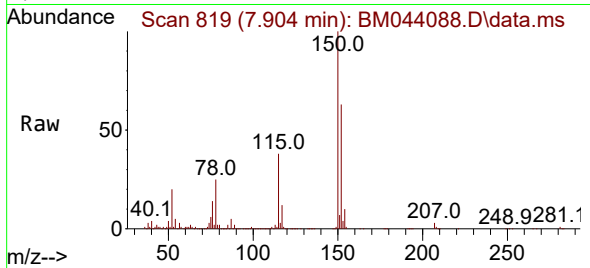




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.904 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM044088.D
Acq: 14 Feb 2024 18:26

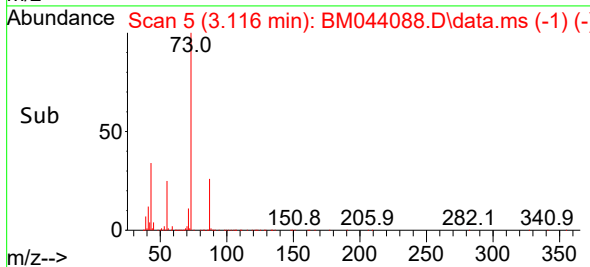
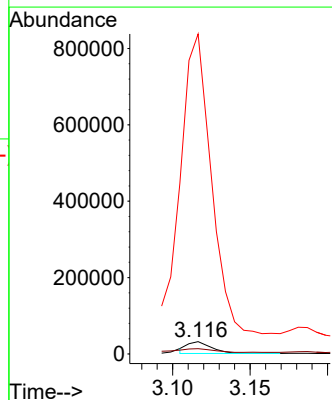
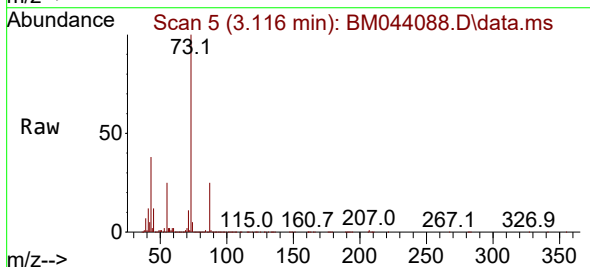
Instrument :
BNA_M
ClientSampleId :
RT3475

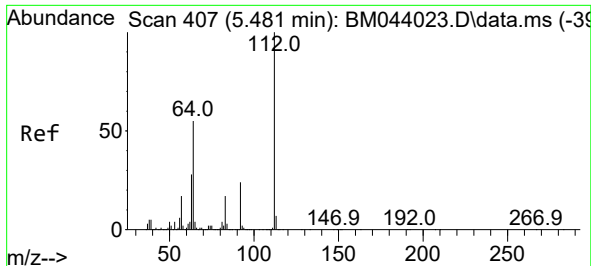
Tgt Ion:152 Resp: 547875
Ion Ratio Lower Upper
152 100
150 157.7 122.7 184.1
115 59.5 47.0 70.6



#2
1,4-Dioxane
Concen: 2.225 ng
RT: 3.116 min Scan# 5
Delta R.T. -0.270 min
Lab File: BM044088.D
Acq: 14 Feb 2024 18:26

Tgt Ion: 88 Resp: 33259
Ion Ratio Lower Upper
88 100
58 32.7 58.1 87.1#
43 2605.8 21.1 31.7#

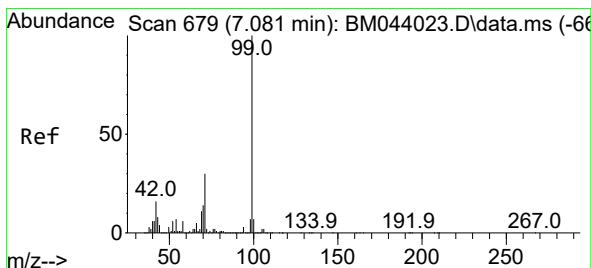
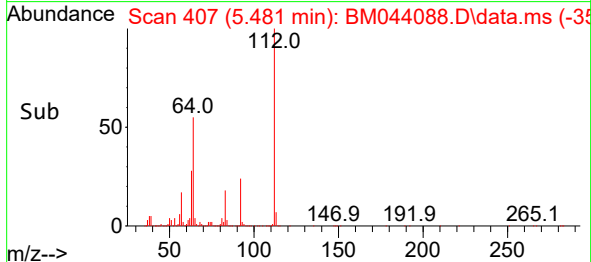
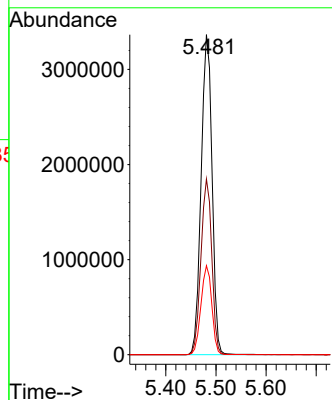
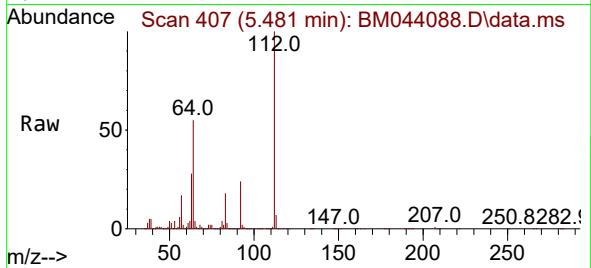




#5
2-Fluorophenol
Concen: 134.983 ng
RT: 5.481 min Scan# 407
Delta R.T. 0.000 min
Lab File: BM044088.D
Acq: 14 Feb 2024 18:26

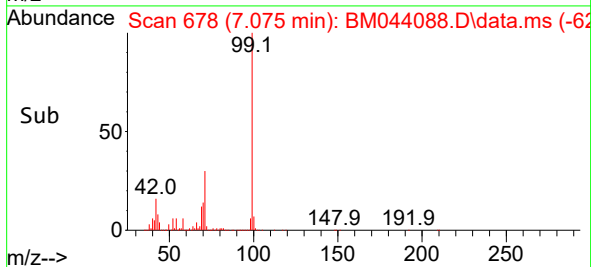
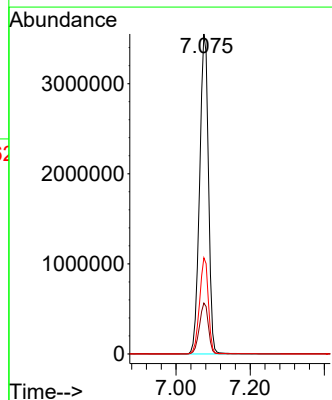
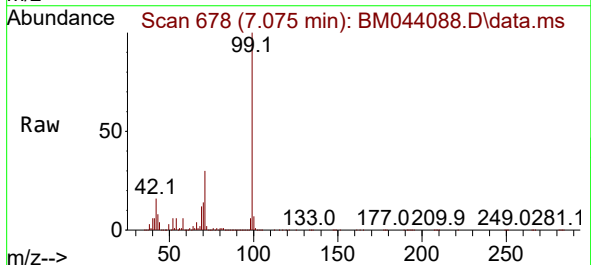
Instrument :
BNA_M
ClientSampleId :
RT3475

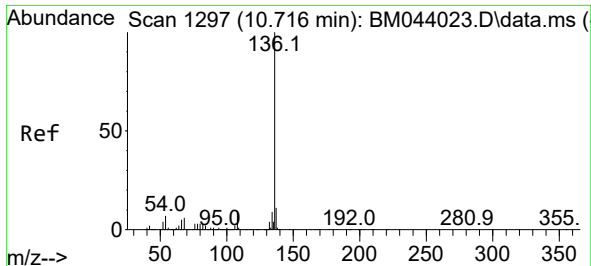
Tgt Ion:112 Resp: 5084703
Ion Ratio Lower Upper
112 100
64 54.9 44.2 66.4
63 27.8 22.6 34.0



#7
Phenol-d6
Concen: 122.388 ng
RT: 7.075 min Scan# 678
Delta R.T. -0.006 min
Lab File: BM044088.D
Acq: 14 Feb 2024 18:26

Tgt Ion: 99 Resp: 5865854
Ion Ratio Lower Upper
99 100
42 15.9 12.9 19.3
71 30.1 23.9 35.9



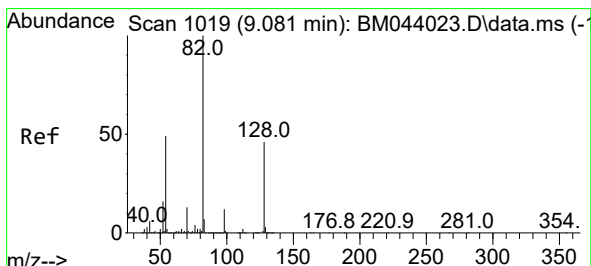
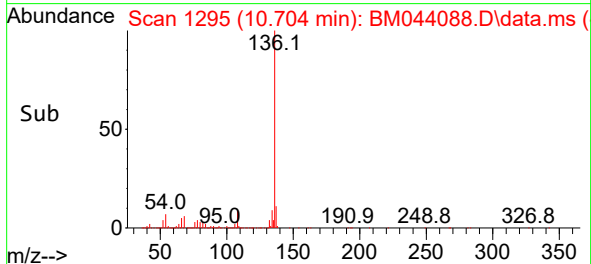
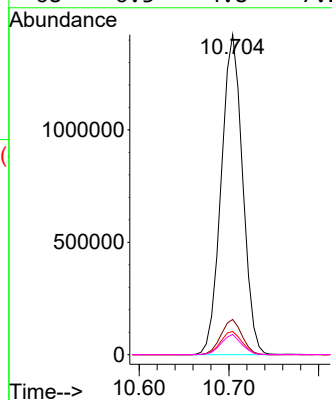
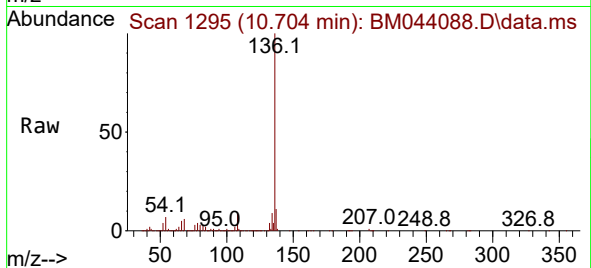


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.704 min Scan# 11
Delta R.T. -0.012 min
Lab File: BM044088.D
Acq: 14 Feb 2024 18:26

Instrument :
BNA_M
ClientSampleId :
RT3475

Tgt Ion:136 Resp: 2354734

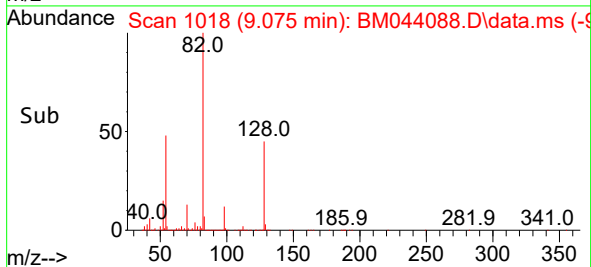
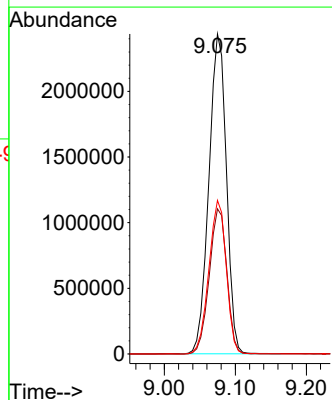
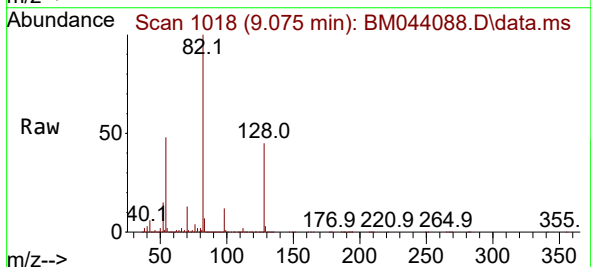
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	7.3	5.9	8.9
68	6.3	4.8	7.2

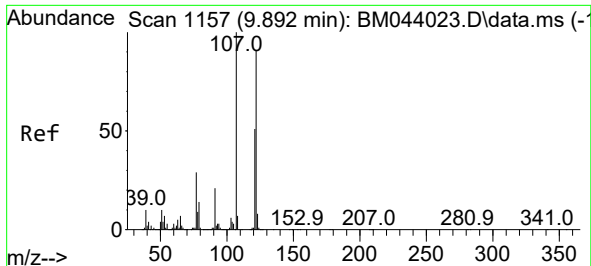


#23
Nitrobenzene-d5
Concen: 94.066 ng
RT: 9.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BM044088.D
Acq: 14 Feb 2024 18:26

Tgt Ion: 82 Resp: 4174239

Ion	Ratio	Lower	Upper
82	100		
128	45.4	37.1	55.7
54	48.0	38.9	58.3





#27

2,4-Dimethylphenol

Concen: 6.018 ng

RT: 9.969 min Scan# 1170

Delta R.T. 0.077 min

Lab File: BM044088.D

Acq: 14 Feb 2024 18:26

Instrument :

BNA_M

ClientSampleId :

RT3475

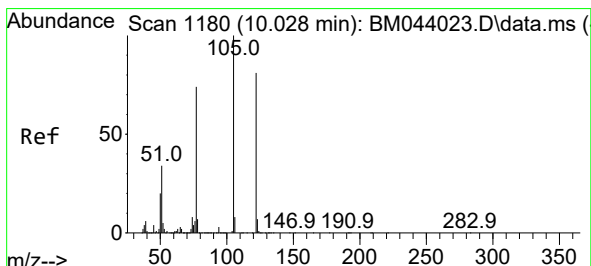
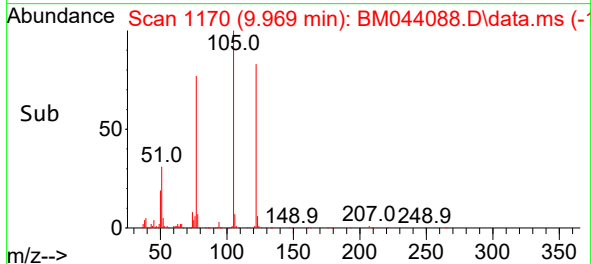
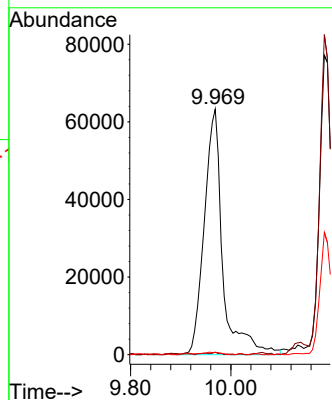
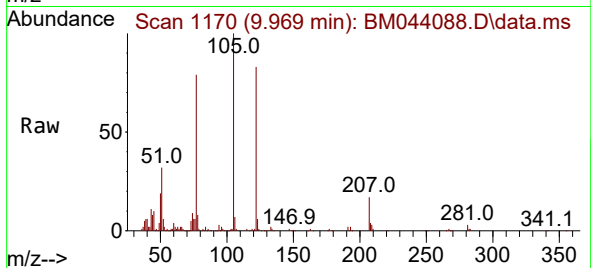
Tgt Ion:122 Resp: 162121

Ion Ratio Lower Upper

122 100

107 1.0 87.8 131.8#

121 1.0 44.7 67.1#



#32

Benzoic acid

Concen: 5.974 ng

RT: 9.969 min Scan# 1170

Delta R.T. -0.059 min

Lab File: BM044088.D

Acq: 14 Feb 2024 18:26

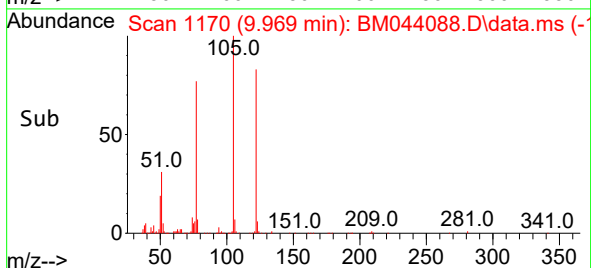
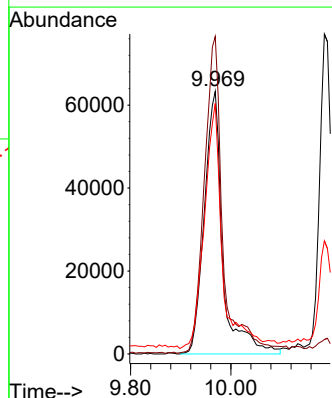
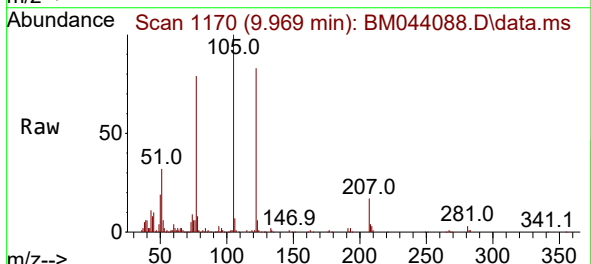
Tgt Ion:122 Resp: 162121

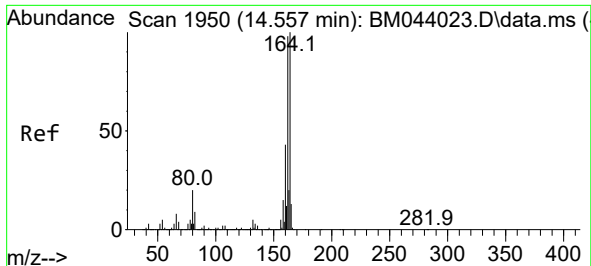
Ion Ratio Lower Upper

122 100

105 120.9 100.1 140.1

77 95.4 69.6 109.6

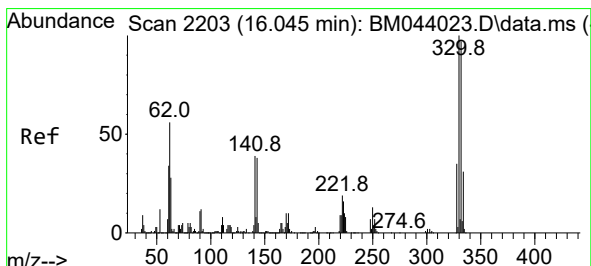
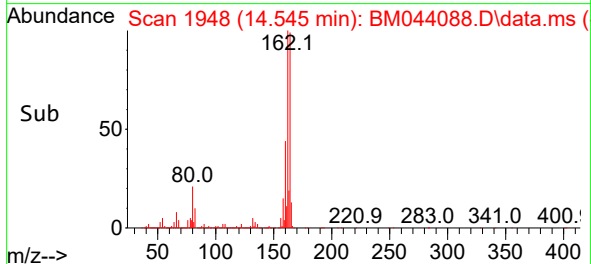
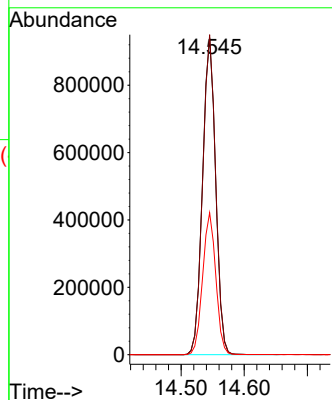
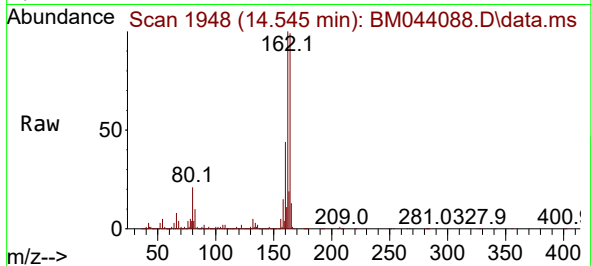




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.545 min Scan# 1948
Delta R.T. -0.012 min
Lab File: BM044088.D
Acq: 14 Feb 2024 18:26

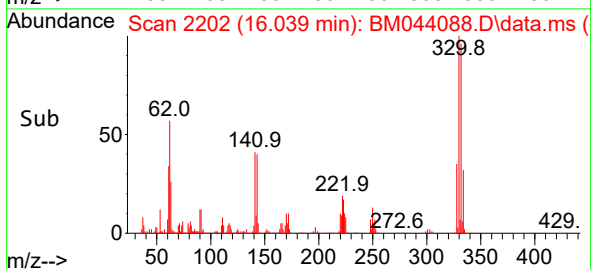
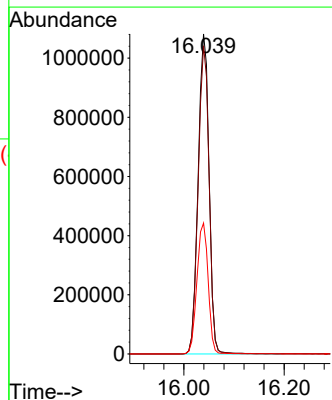
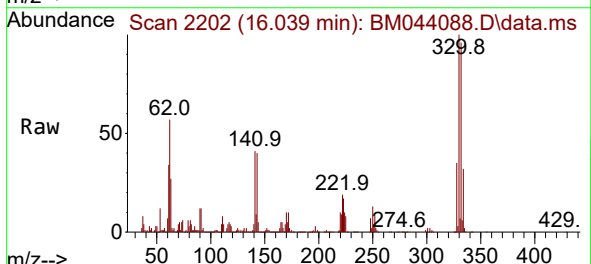
Instrument :
BNA_M
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RT3475

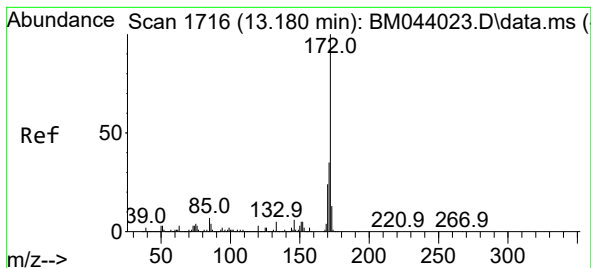
Tgt Ion:164 Resp: 1357891
Ion Ratio Lower Upper
164 100
162 100.9 78.4 117.6
160 44.8 34.6 51.8



#42
2,4,6-Tribromophenol
Concen: 111.215 ng
RT: 16.039 min Scan# 2202
Delta R.T. -0.006 min
Lab File: BM044088.D
Acq: 14 Feb 2024 18:26

Tgt Ion:330 Resp: 1635116
Ion Ratio Lower Upper
330 100
332 96.4 77.7 116.5
141 41.9 31.0 46.4





#45

2-Fluorobiphenyl

Concen: 84.936 ng

RT: 13.175 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM044088.D

Acq: 14 Feb 2024 18:26

Instrument :

BNA_M

ClientSampleId :

RT3475

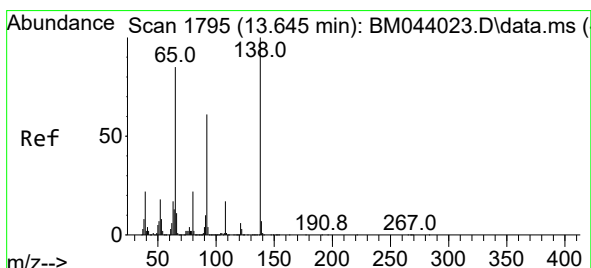
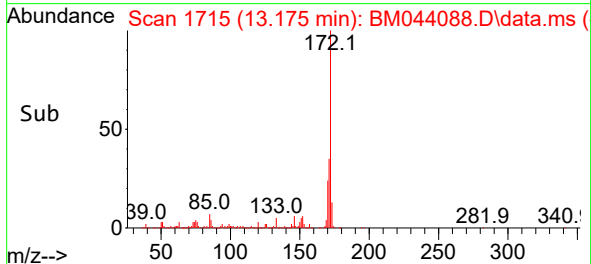
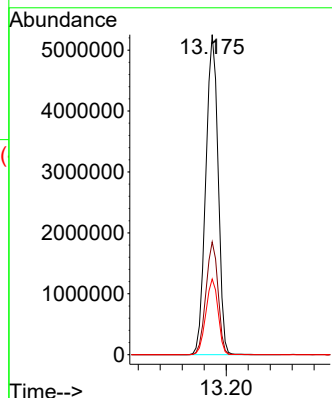
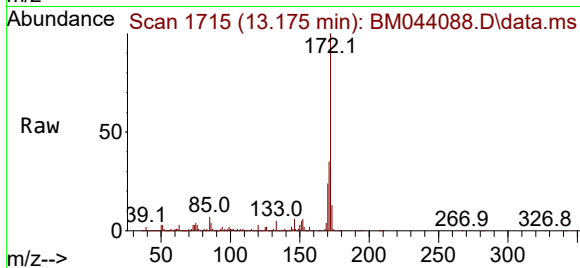
Tgt Ion:172 Resp: 8172076

Ion Ratio Lower Upper

172 100

171 35.3 27.9 41.9

170 23.7 19.0 28.4



#48

2-Nitroaniline

Concen: 3.011 ng

RT: 13.475 min Scan# 1766

Delta R.T. -0.170 min

Lab File: BM044088.D

Acq: 14 Feb 2024 18:26

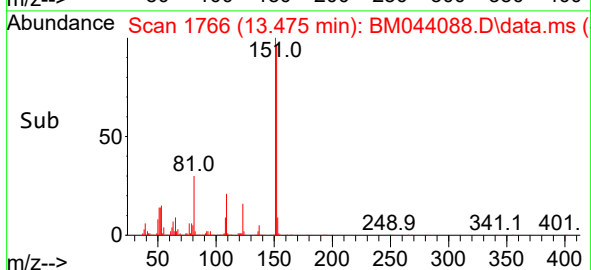
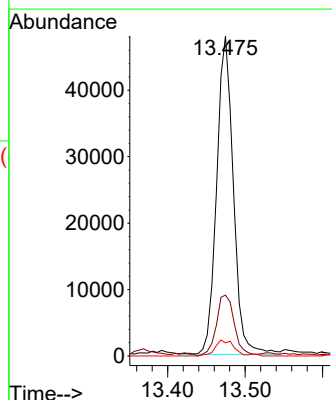
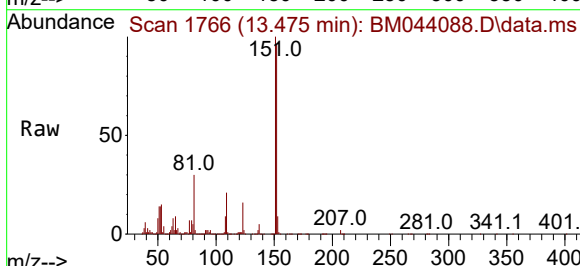
Tgt Ion: 65 Resp: 71897

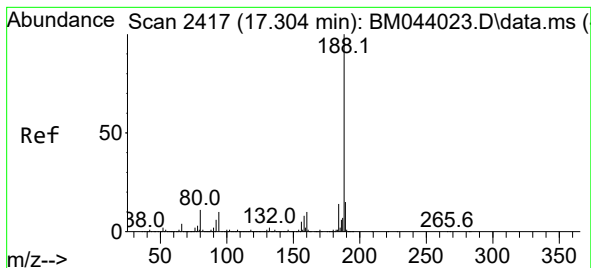
Ion Ratio Lower Upper

65 100

92 19.0 58.1 87.1#

138 4.1 94.6 142.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.298 min Scan# 2417

Delta R.T. -0.006 min

Lab File: BM044088.D

Acq: 14 Feb 2024 18:26

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RT3475

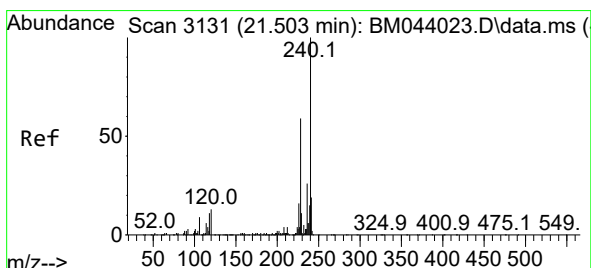
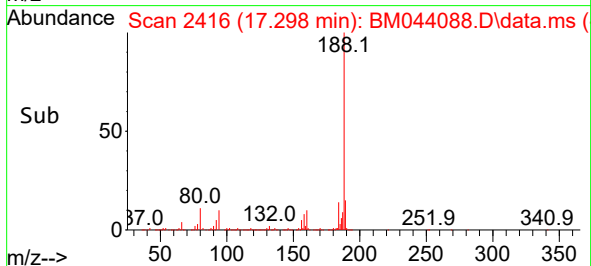
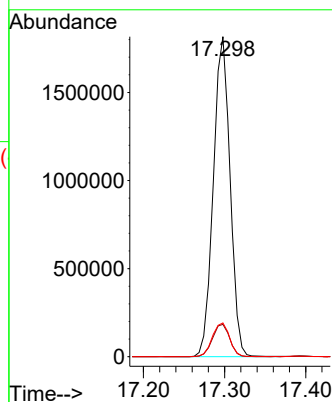
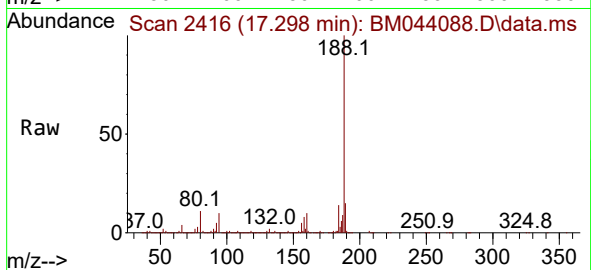
Tgt Ion:188 Resp: 2601985

Ion Ratio Lower Upper

188 100

94 10.1 8.2 12.2

80 10.6 8.8 13.2



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.498 min Scan# 3130

Delta R.T. -0.006 min

Lab File: BM044088.D

Acq: 14 Feb 2024 18:26

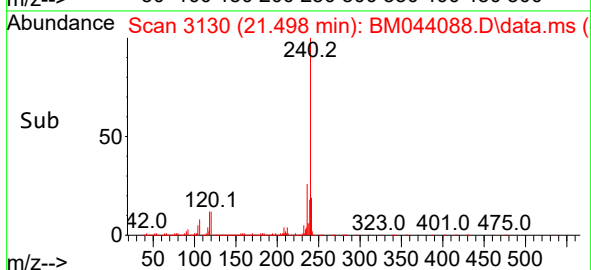
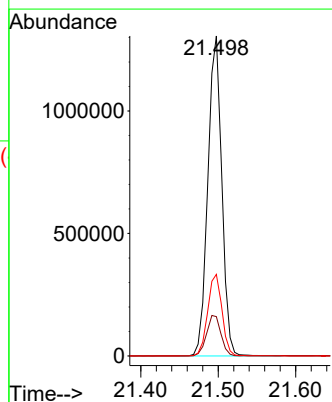
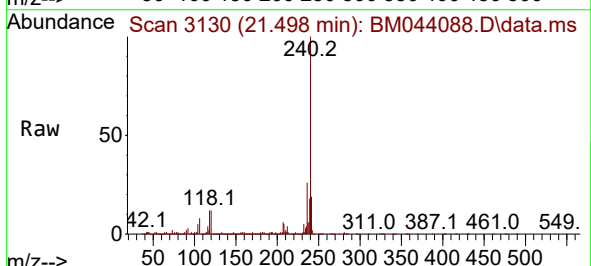
Tgt Ion:240 Resp: 1632192

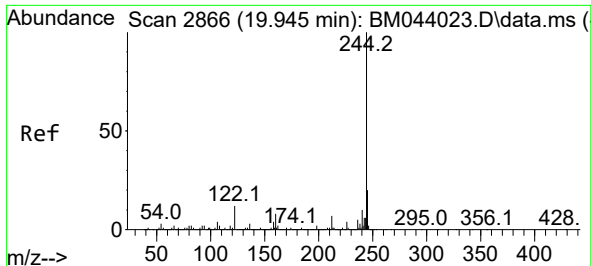
Ion Ratio Lower Upper

240 100

120 12.3 10.1 15.1

236 25.5 20.6 31.0

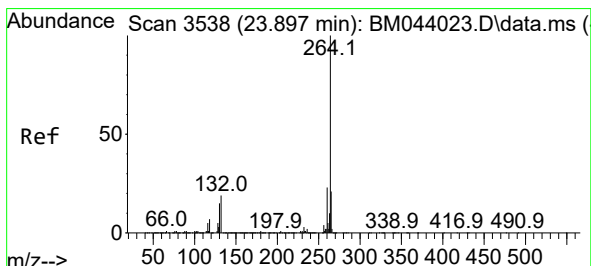
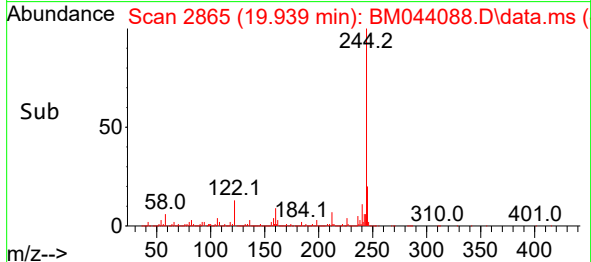
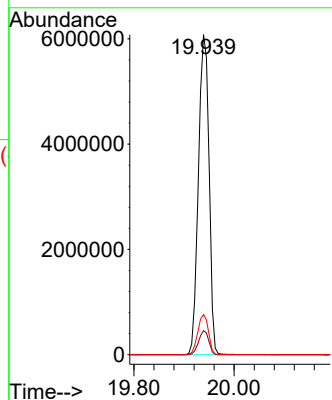
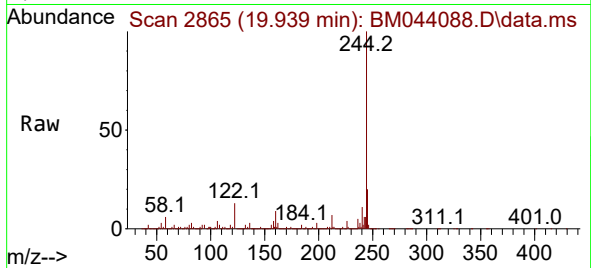




#79
 Terphenyl-d14
 Concen: 95.602 ng
 RT: 19.939 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM044088.D
 Acq: 14 Feb 2024 18:26

Instrument :
 BNA_M
 ClientSampleId :
 RT3475

Tgt Ion:244 Resp: 8901191
 Ion Ratio Lower Upper
 244 100
 212 7.5 5.4 8.2
 122 12.6 9.5 14.3



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.886 min Scan# 3536
 Delta R.T. -0.012 min
 Lab File: BM044088.D
 Acq: 14 Feb 2024 18:26

Tgt Ion:264 Resp: 1641891
 Ion Ratio Lower Upper
 264 100
 260 24.4 18.8 28.2
 265 22.0 17.3 25.9

