

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062824\
 Data File : BM046357.D
 Acq On : 28 Jun 2024 18:03
 Operator : MA/JU
 Sample : P3053-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 1A

Quant Time: Jun 28 23:01:43 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM062724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 28 03:23:08 2024
 Response via : Initial Calibration

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

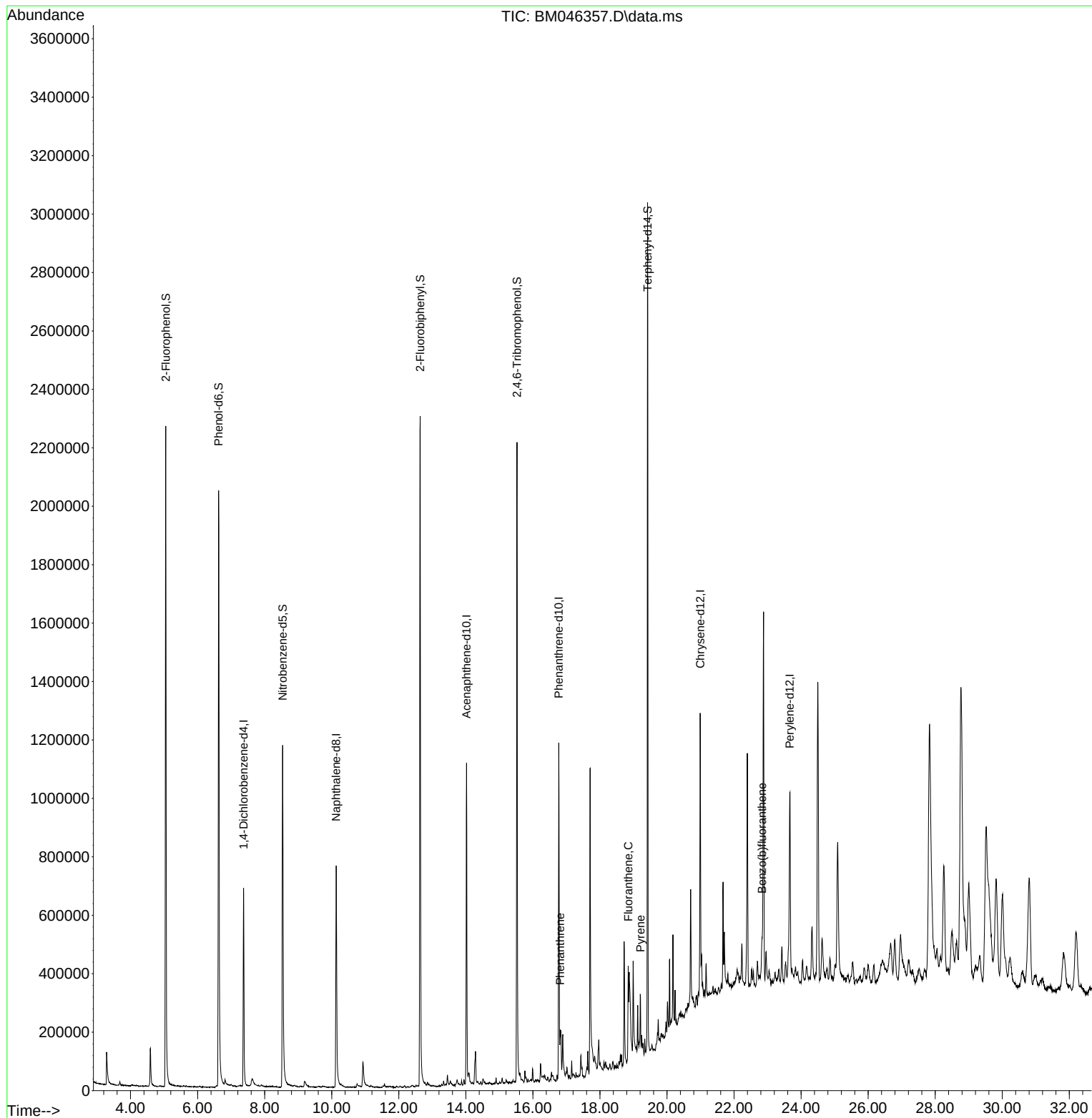
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.375	152	161284	20.000	ng	0.00
21) Naphthalene-d8	10.133	136	653120	20.000	ng	0.00
39) Acenaphthene-d10	14.021	164	355224	20.000	ng	0.00
64) Phenanthrene-d10	16.774	188	601293	20.000	ng	0.00
76) Chrysene-d12	20.991	240	418085	20.000	ng	0.00
86) Perylene-d12	23.662	264	508852	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.051	112	868380	86.546	ng	0.00
7) Phenol-d6	6.628	99	1118000	78.435	ng	0.00
23) Nitrobenzene-d5	8.539	82	776216	49.269	ng	0.00
42) 2,4,6-Tribromophenol	15.527	330	307334	71.143	ng	0.00
45) 2-Fluorobiphenyl	12.639	172	1194366	45.572	ng	0.00
79) Terphenyl-d14	19.421	244	1127964	44.637	ng	-0.01
Target Compounds						
						Qvalue
71) Phenanthrene	16.815	178	80804	2.525	ng	98
75) Fluoranthene	18.845	202	117714	3.113	ng	97
78) Pyrene	19.209	202	99466	3.425	ng	98
88) Benzo(b)fluoranthene	22.838	252	64729	2.148	ng	# 83

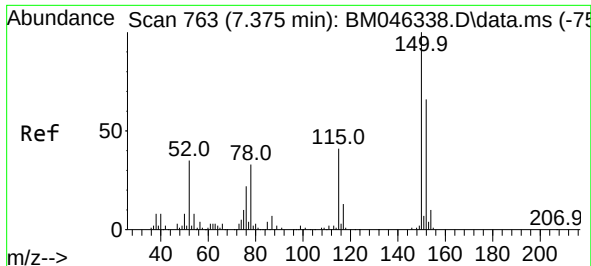
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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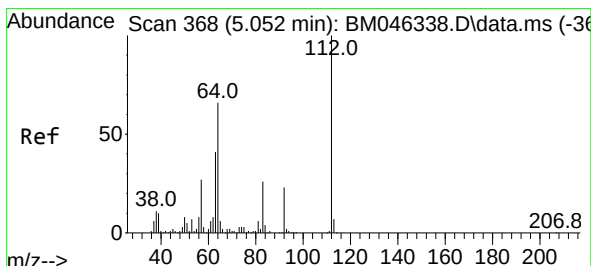
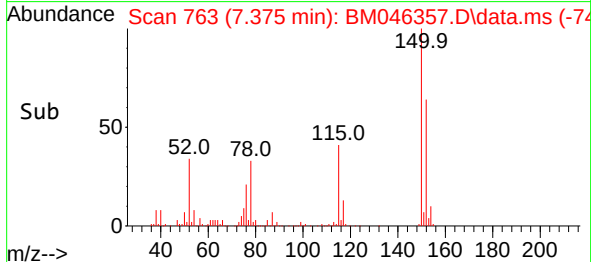
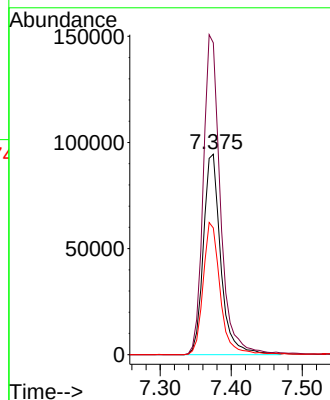
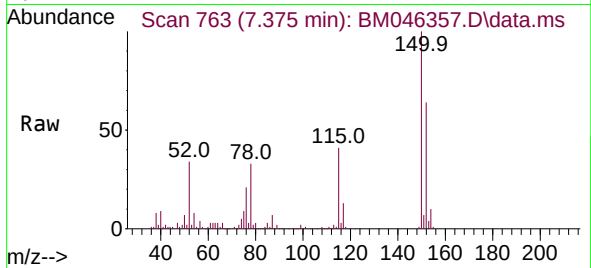




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.375 min Scan# 763
Delta R.T. -0.000 min
Lab File: BM046357.D
Acq: 28 Jun 2024 18:03

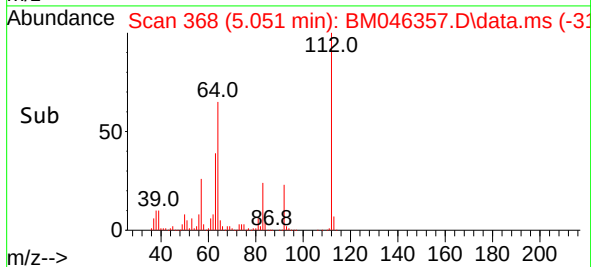
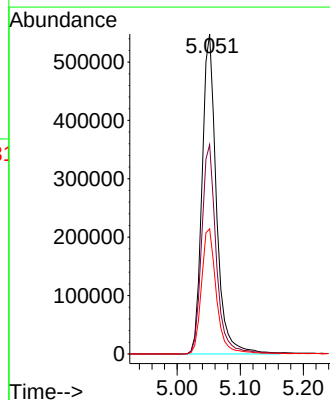
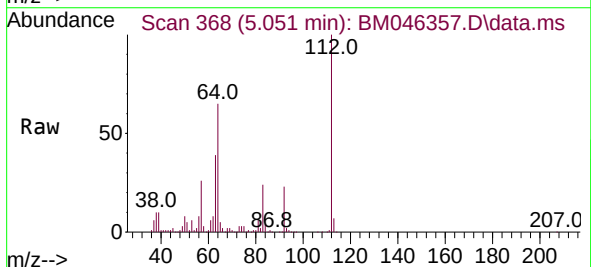
Instrument :
BNA_M
ClientSampleId :
1A

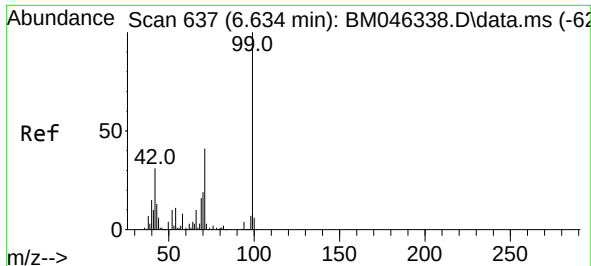
Tgt Ion:152 Resp: 161284
Ion Ratio Lower Upper
152 100
150 155.5 122.1 183.1
115 63.2 50.2 75.4



#5
2-Fluorophenol
Concen: 86.546 ng
RT: 5.051 min Scan# 368
Delta R.T. -0.000 min
Lab File: BM046357.D
Acq: 28 Jun 2024 18:03

Tgt Ion:112 Resp: 868380
Ion Ratio Lower Upper
112 100
64 65.4 52.8 79.2
63 39.1 32.9 49.3

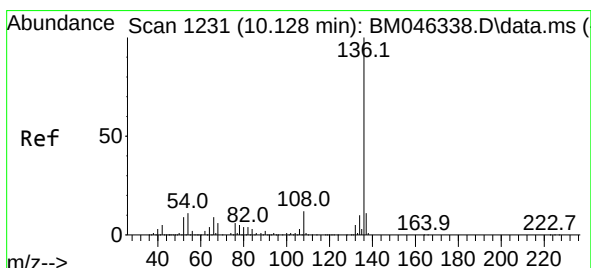
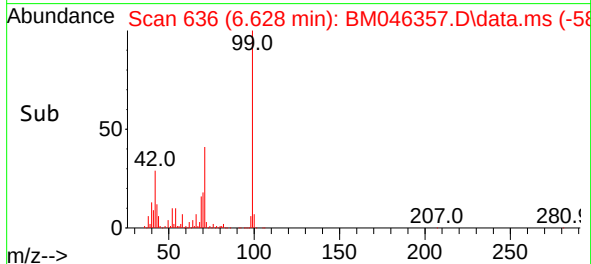
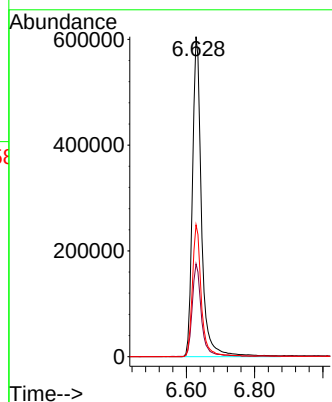
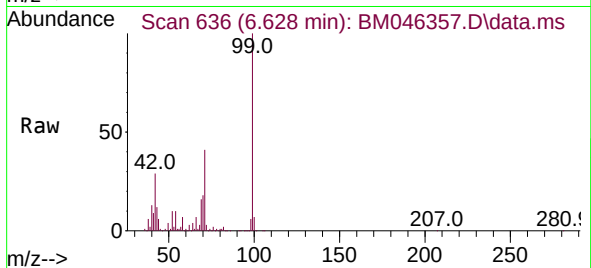




#7
Phenol-d6
Concen: 78.435 ng
RT: 6.628 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM046357.D
Acq: 28 Jun 2024 18:03

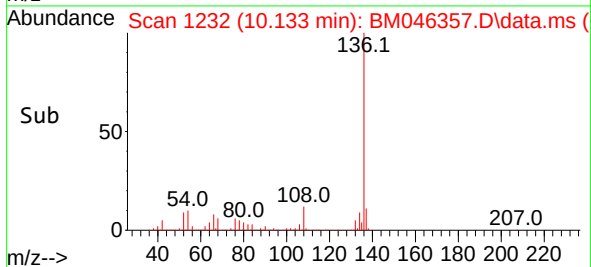
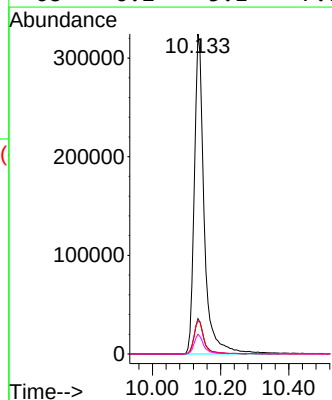
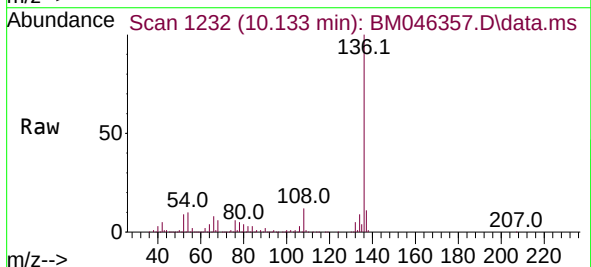
Instrument :
BNA_M
ClientSampleId :
1A

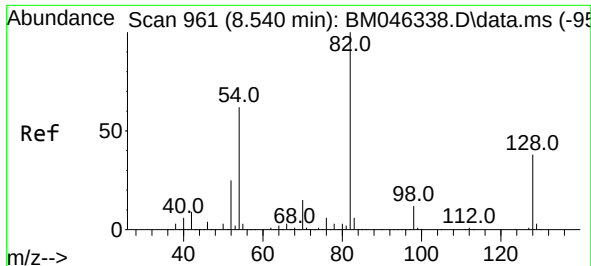
Tgt Ion: 99 Resp: 1118000
Ion Ratio Lower Upper
99 100
42 29.0 24.8 37.2
71 41.2 33.1 49.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.133 min Scan# 1232
Delta R.T. 0.005 min
Lab File: BM046357.D
Acq: 28 Jun 2024 18:03

Tgt Ion: 136 Resp: 653120
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 10.3 9.0 13.4
68 6.2 5.1 7.7

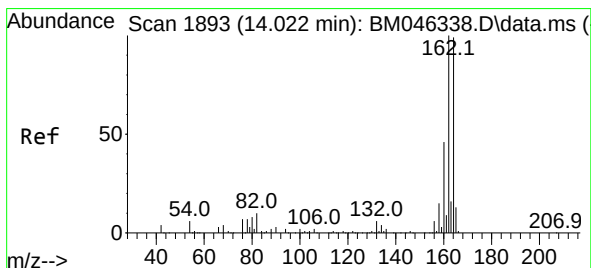
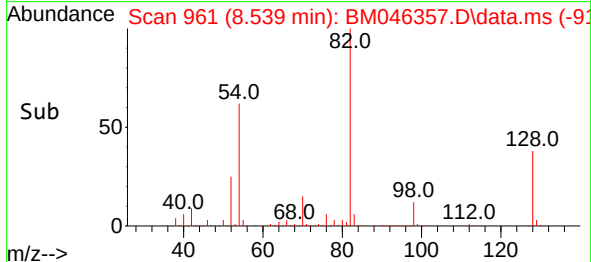
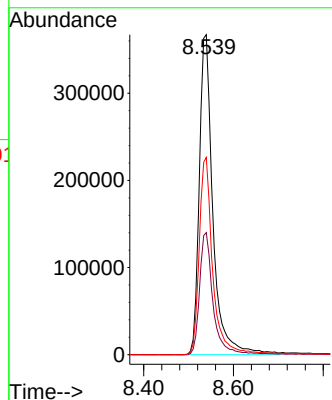
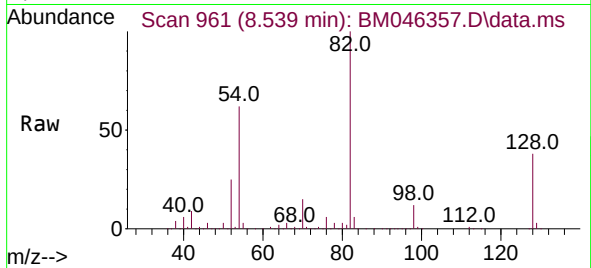




#23
Nitrobenzene-d5
Concen: 49.269 ng
RT: 8.539 min Scan# 961
Delta R.T. -0.000 min
Lab File: BM046357.D
Acq: 28 Jun 2024 18:03

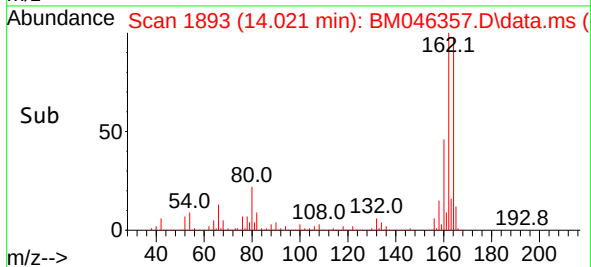
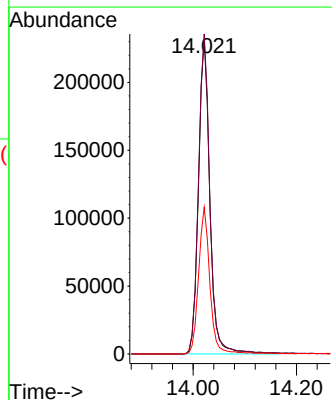
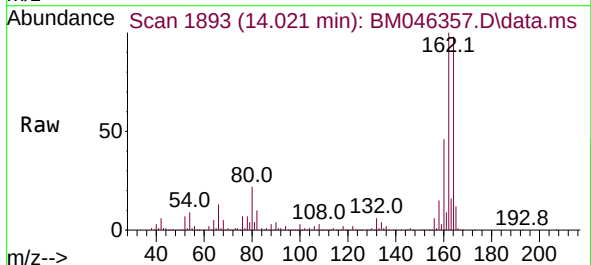
Instrument :
BNA_M
ClientSampleId :
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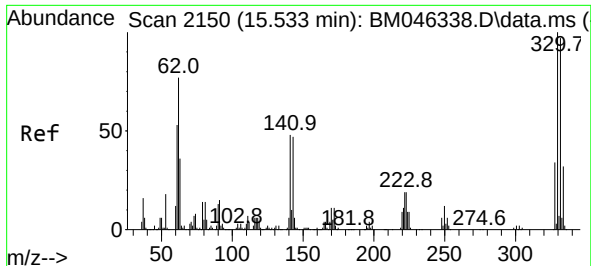
Tgt Ion: 82 Resp: 776216
Ion Ratio Lower Upper
82 100
128 38.1 30.6 46.0
54 61.7 49.6 74.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.021 min Scan# 1893
Delta R.T. -0.001 min
Lab File: BM046357.D
Acq: 28 Jun 2024 18:03

Tgt Ion: 164 Resp: 355224
Ion Ratio Lower Upper
164 100
162 101.6 80.5 120.7
160 46.6 37.0 55.6

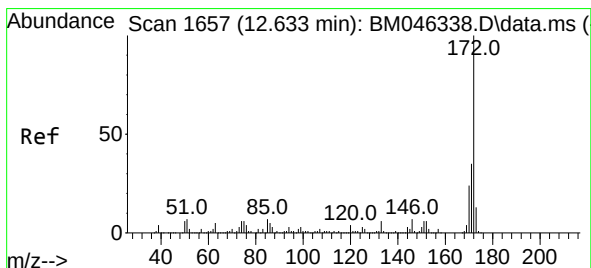
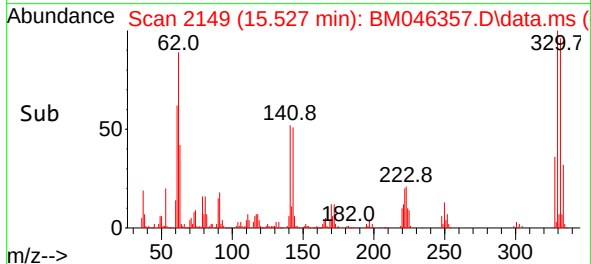
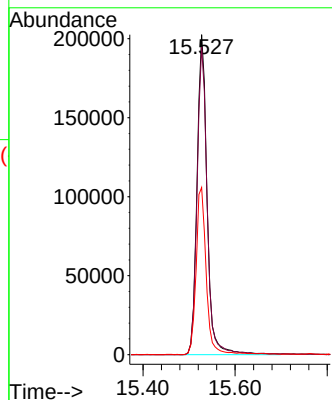
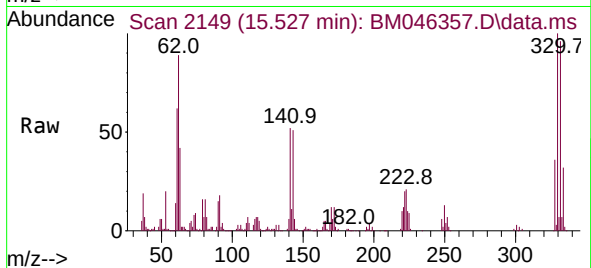




#42
2,4,6-Tribromophenol
Concen: 71.143 ng
RT: 15.527 min Scan# 2150
Delta R.T. -0.006 min
Lab File: BM046357.D
Acq: 28 Jun 2024 18:03

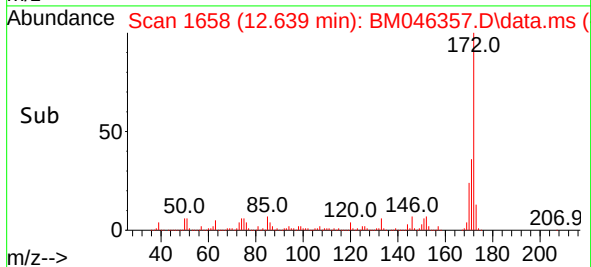
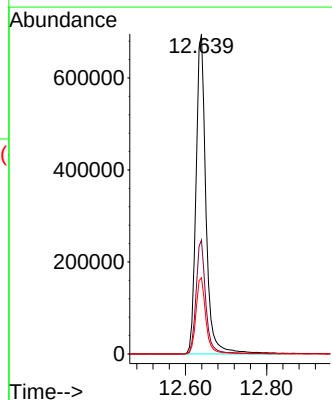
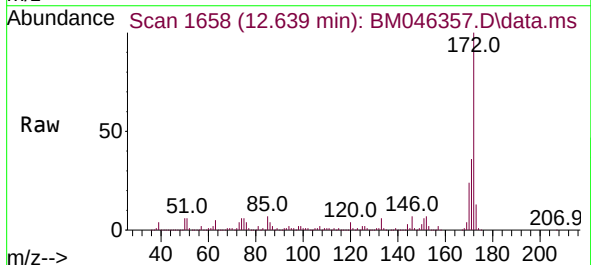
Instrument :
BNA_M
ClientSampleId :
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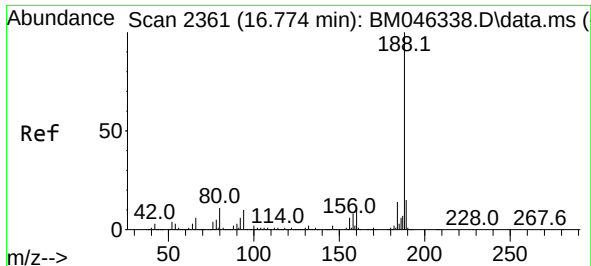
Tgt Ion:330 Resp: 307334
Ion Ratio Lower Upper
330 100
332 96.4 77.8 116.6
141 52.7 43.2 64.8



#45
2-Fluorobiphenyl
Concen: 45.572 ng
RT: 12.639 min Scan# 1658
Delta R.T. 0.006 min
Lab File: BM046357.D
Acq: 28 Jun 2024 18:03

Tgt Ion:172 Resp: 1194366
Ion Ratio Lower Upper
172 100
171 35.6 28.1 42.1
170 23.8 19.4 29.0

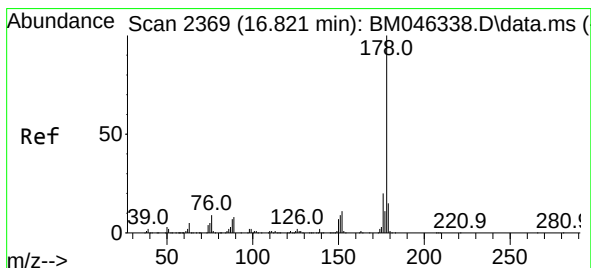
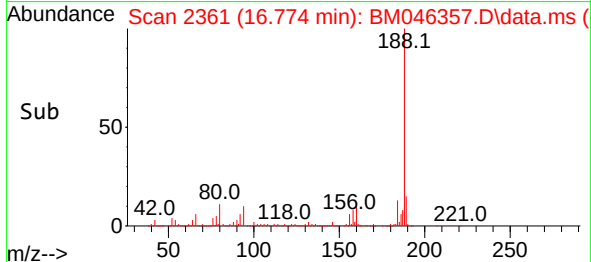
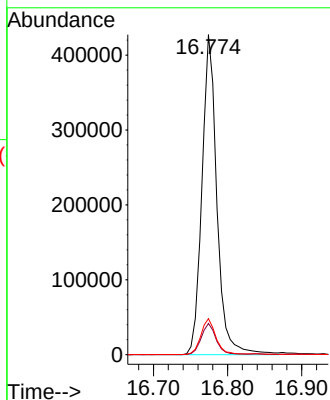
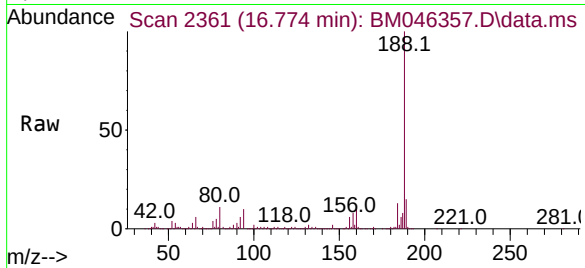




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.774 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM046357.D
Acq: 28 Jun 2024 18:03

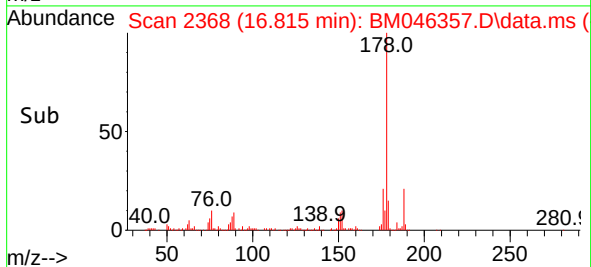
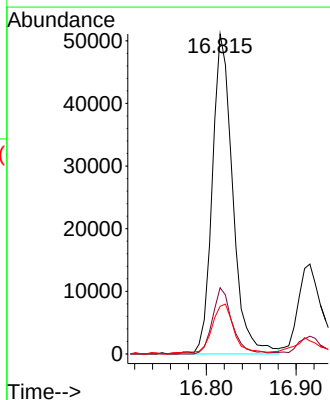
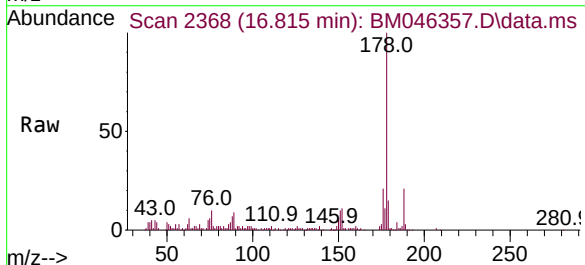
Instrument :
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ClientSampleId :
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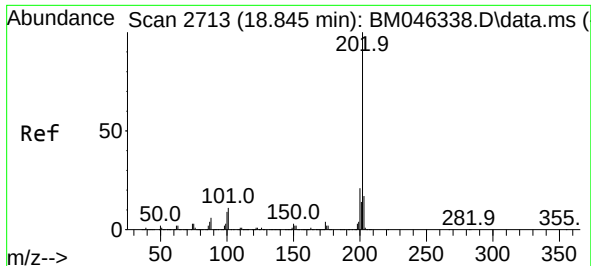
Tgt Ion:188 Resp: 601293
Ion Ratio Lower Upper
188 100
94 9.8 7.9 11.9
80 11.3 9.0 13.6



#71
Phenanthrene
Concen: 2.525 ng
RT: 16.815 min Scan# 2368
Delta R.T. -0.006 min
Lab File: BM046357.D
Acq: 28 Jun 2024 18:03

Tgt Ion:178 Resp: 80804
Ion Ratio Lower Upper
178 100
176 20.7 15.8 23.8
179 14.9 12.2 18.4

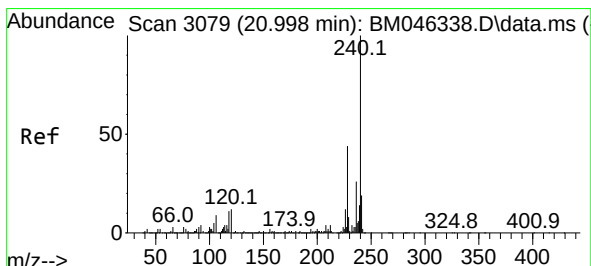
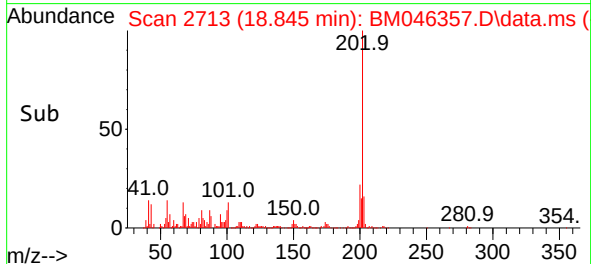
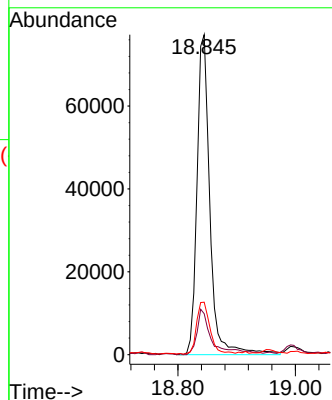
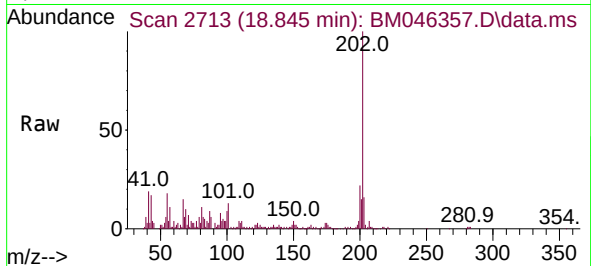




#75
Fluoranthene
Concen: 3.113 ng
RT: 18.845 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM046357.D
Acq: 28 Jun 2024 18:03

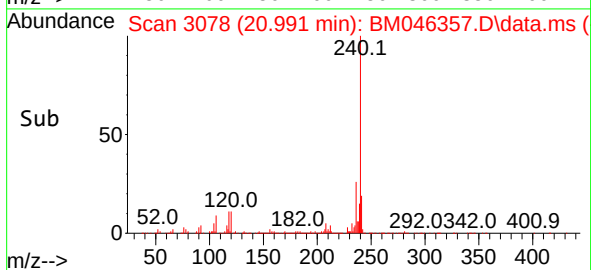
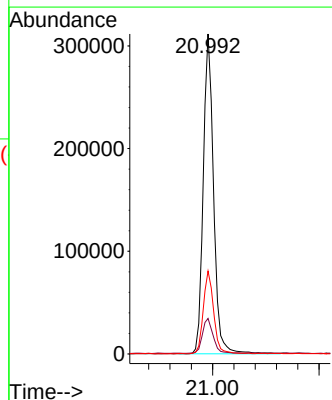
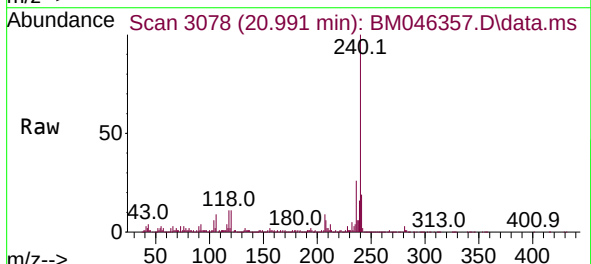
Instrument :
BNA_M
ClientSampleId :
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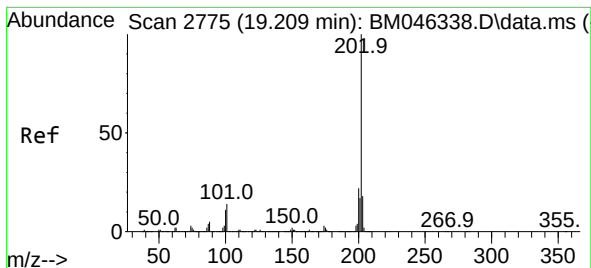
Tgt Ion:202 Resp: 117714
Ion Ratio Lower Upper
202 100
101 12.8 0.0 31.4
203 16.4 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 20.991 min Scan# 3078
Delta R.T. -0.006 min
Lab File: BM046357.D
Acq: 28 Jun 2024 18:03

Tgt Ion:240 Resp: 418085
Ion Ratio Lower Upper
240 100
120 11.1 9.3 13.9
236 25.9 20.5 30.7





#78

Pyrene

Concen: 3.425 ng

RT: 19.209 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM046357.D

Acq: 28 Jun 2024 18:03

Instrument :

BNA_M

ClientSampleId :

1A

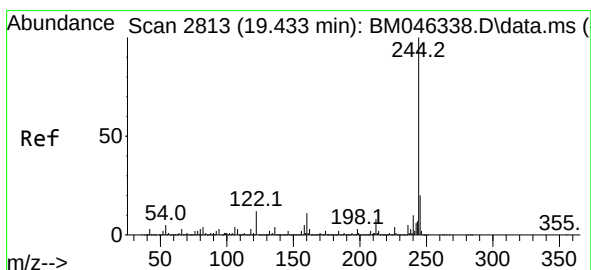
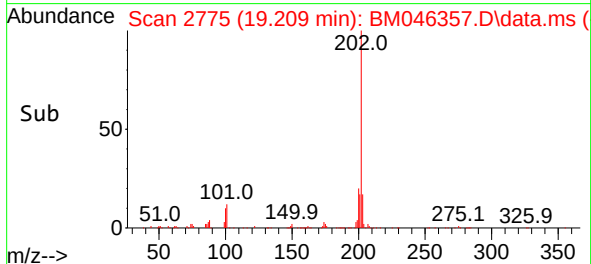
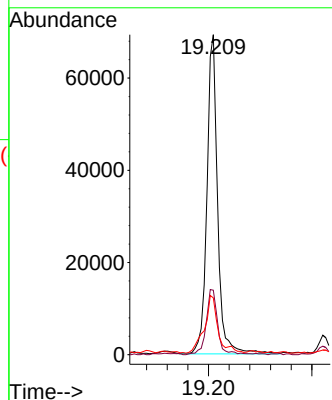
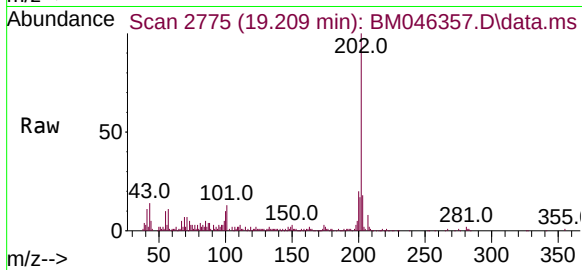
Tgt Ion:202 Resp: 99466

Ion Ratio Lower Upper

202 100

200 20.2 17.3 25.9

203 17.8 14.3 21.5



#79

Terphenyl-d14

Concen: 44.637 ng

RT: 19.421 min Scan# 2811

Delta R.T. -0.012 min

Lab File: BM046357.D

Acq: 28 Jun 2024 18:03

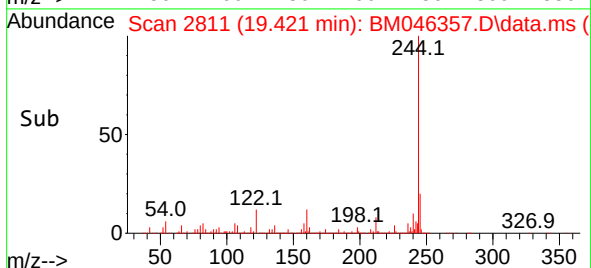
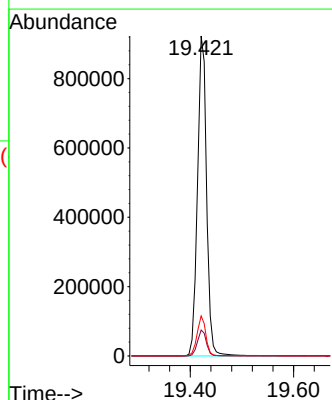
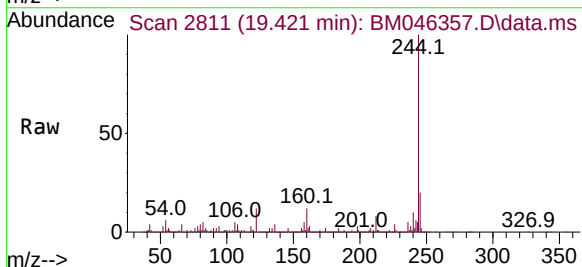
Tgt Ion:244 Resp: 1127964

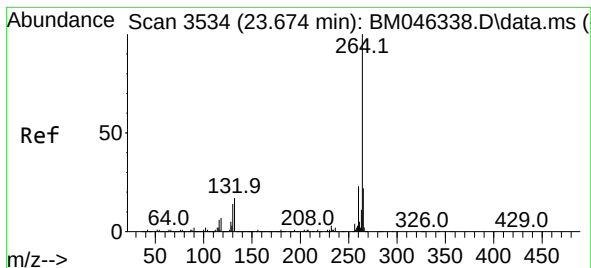
Ion Ratio Lower Upper

244 100

212 8.1 6.5 9.7

122 12.5 9.4 14.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.662 min Scan# 3

Delta R.T. -0.012 min

Lab File: BM046357.D

Acq: 28 Jun 2024 18:03

Instrument :

BNA_M

ClientSampleId :

1A

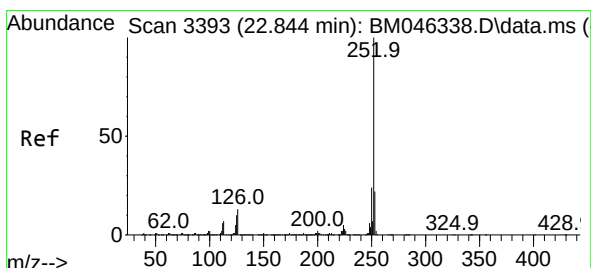
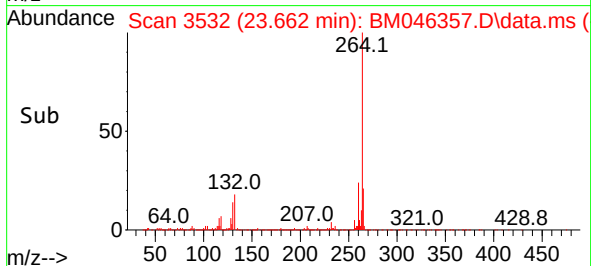
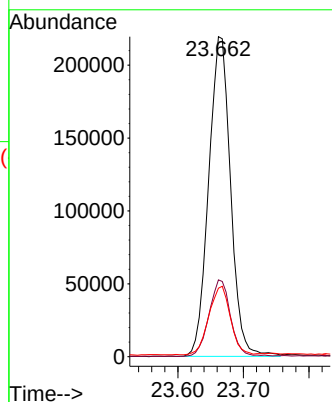
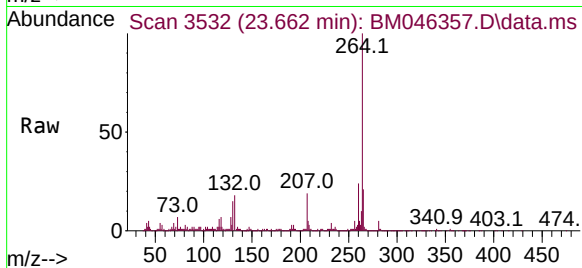
Tgt Ion:264 Resp: 508852

Ion Ratio Lower Upper

264 100

260 24.0 18.5 27.7

265 21.4 17.7 26.5



#88

Benzo(b)fluoranthene

Concen: 2.148 ng

RT: 22.838 min Scan# 3392

Delta R.T. -0.006 min

Lab File: BM046357.D

Acq: 28 Jun 2024 18:03

Tgt Ion:252 Resp: 64729

Ion Ratio Lower Upper

252 100

253 25.1 17.4 26.0

125 23.9 8.4 12.6#

