

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042123\
 Data File : BM039561.D
 Acq On : 21 Apr 2023 21:04
 Operator : CG/JU
 Sample : 02406-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SB-12-COMP

Quant Time: Apr 22 01:47:41 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM041723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 21 12:46:01 2023
 Response via : Initial Calibration

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

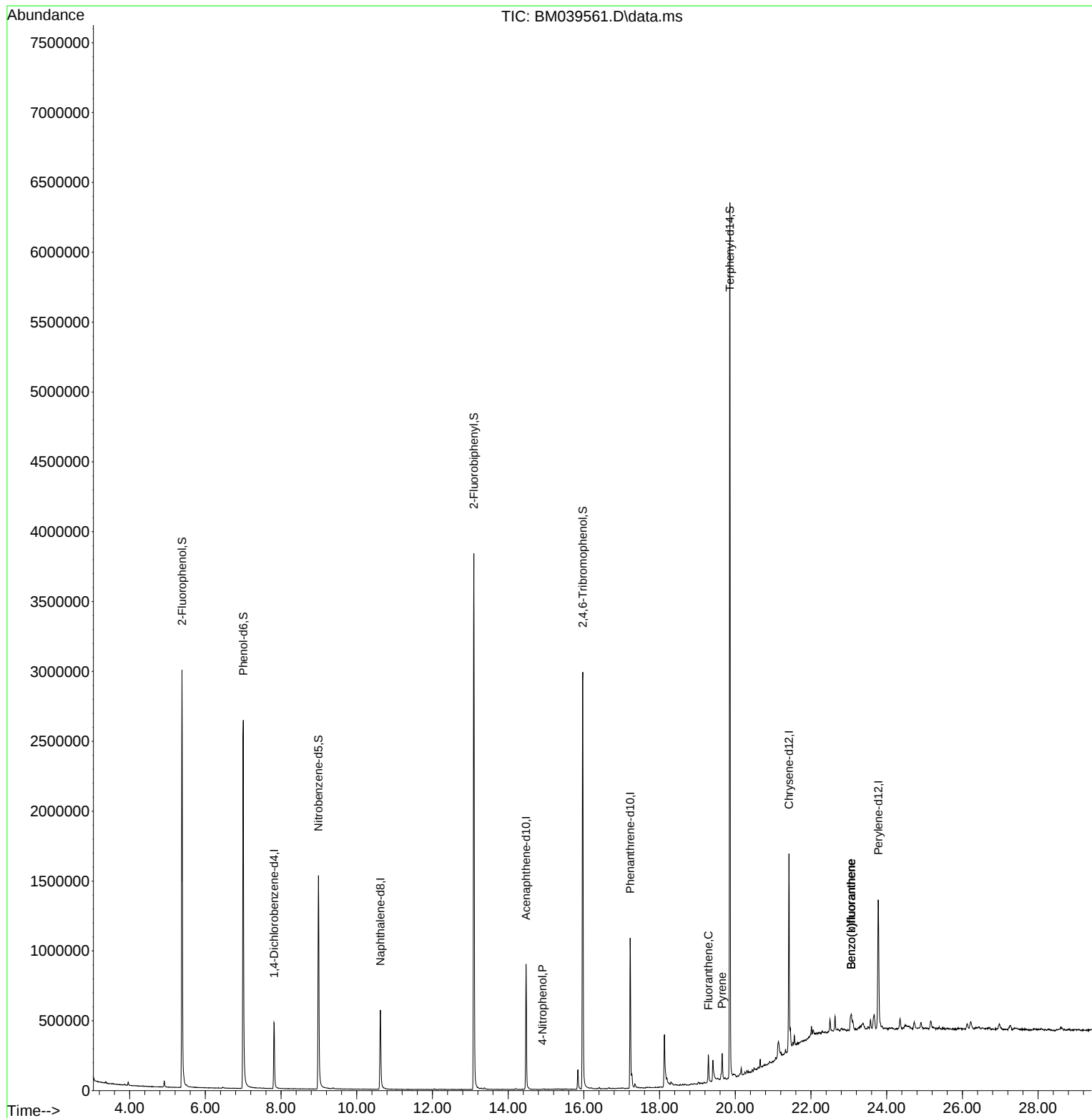
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.813	152	133632	20.000	ng	0.00
21) Naphthalene-d8	10.624	136	530444	20.000	ng	0.00
39) Acenaphthene-d10	14.471	164	310675	20.000	ng	0.00
64) Phenanthrene-d10	17.224	188	666384	20.000	ng	0.00
76) Chrysene-d12	21.418	240	626974	20.000	ng	0.00
86) Perylene-d12	23.777	264	677429	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.384	112	1286954	157.347	ng	0.00
7) Phenol-d6	7.001	99	1620335	134.801	ng	0.00
23) Nitrobenzene-d5	8.989	82	976239	90.126	ng	0.00
42) 2,4,6-Tribromophenol	15.971	330	533492	132.332	ng	0.00
45) 2-Fluorobiphenyl	13.095	172	1985391	88.422	ng	0.00
79) Terphenyl-d14	19.859	244	2982662	85.822	ng	0.00
Target Compounds						
						Qvalue
56) 4-Nitrophenol	14.907	139	319	5.470	ng	# 4
75) Fluoranthene	19.289	202	116766	2.663	ng	100
78) Pyrene	19.653	202	112080	2.431	ng	97
88) Benzo(b)fluoranthene	23.065	252	101022	2.446	ng	# 95
89) Benzo(k)fluoranthene	23.065	252	101022	2.339	ng	# 95

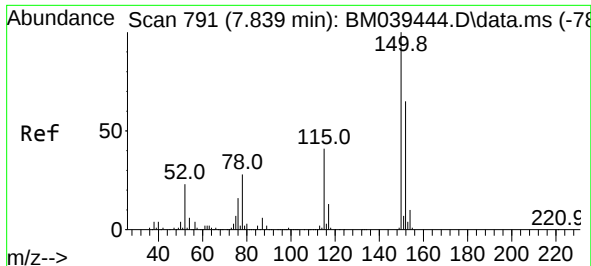
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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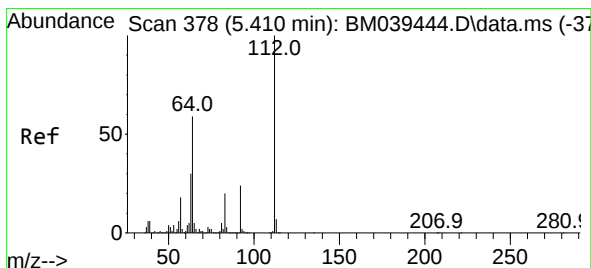
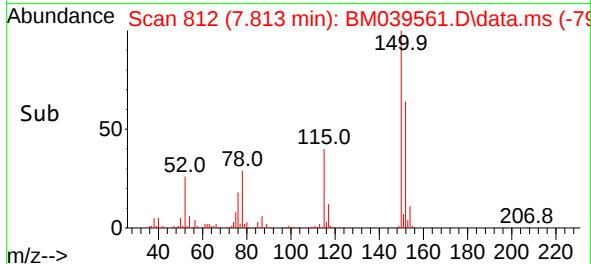
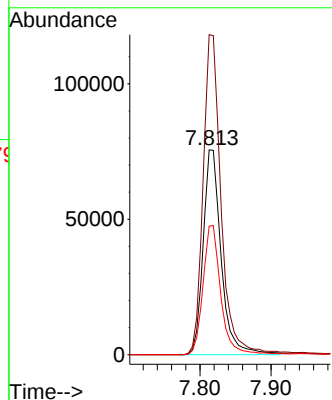
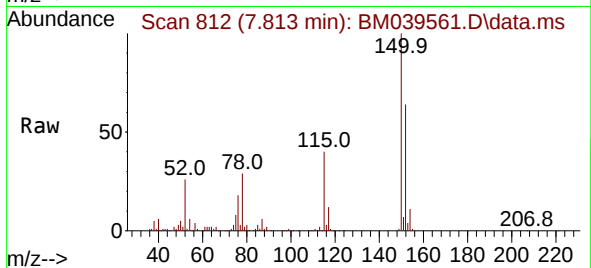




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.813 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM039561.D
Acq: 21 Apr 2023 21:04

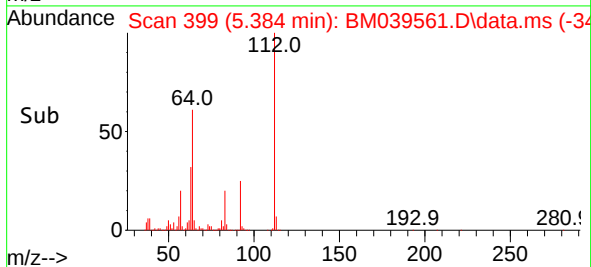
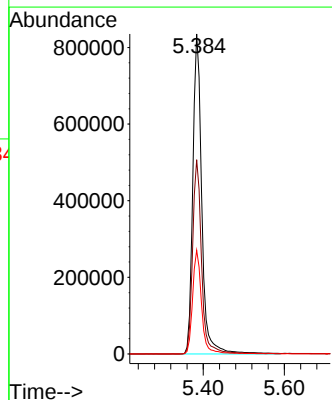
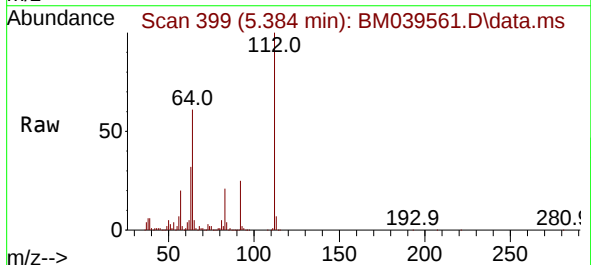
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BNA_M
ClientSampleId :
SB-12-COMP

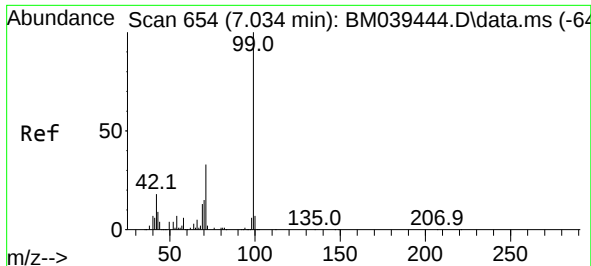
Tgt Ion:152 Resp: 133632
Ion Ratio Lower Upper
152 100
150 156.3 123.0 184.4
115 62.7 49.9 74.9



#5
2-Fluorophenol
Concen: 157.347 ng
RT: 5.384 min Scan# 399
Delta R.T. -0.006 min
Lab File: BM039561.D
Acq: 21 Apr 2023 21:04

Tgt Ion:112 Resp: 1286954
Ion Ratio Lower Upper
112 100
64 60.7 47.0 70.4
63 32.4 24.2 36.4

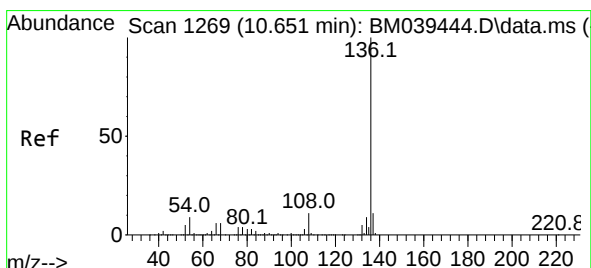
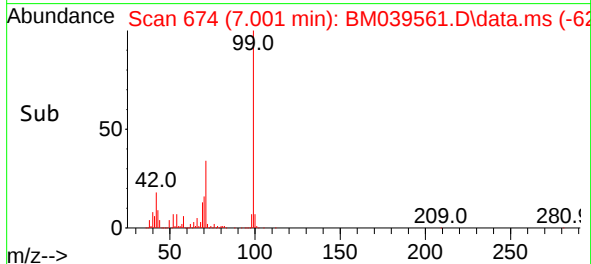
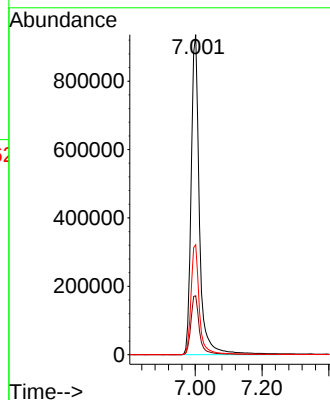
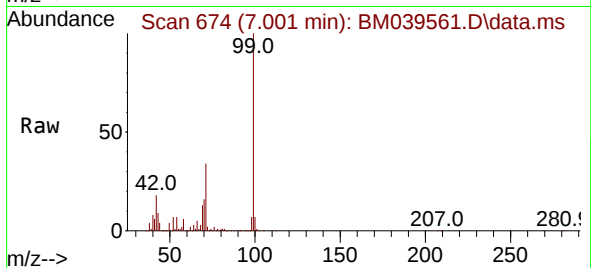




#7
Phenol-d6
Concen: 134.801 ng
RT: 7.001 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM039561.D
Acq: 21 Apr 2023 21:04

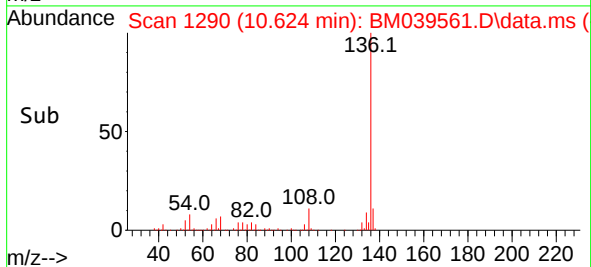
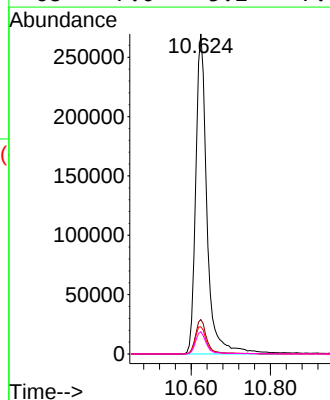
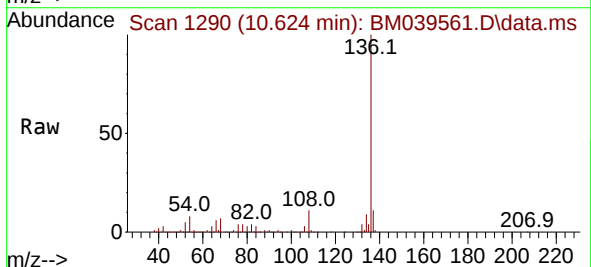
Instrument :
BNA_M
ClientSampleId :
SB-12-COMP

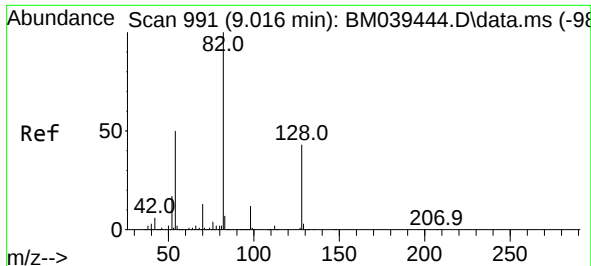
Tgt Ion: 99 Resp: 1620335
Ion Ratio Lower Upper
99 100
42 18.4 14.2 21.4
71 34.4 26.8 40.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.624 min Scan# 1290
Delta R.T. -0.006 min
Lab File: BM039561.D
Acq: 21 Apr 2023 21:04

Tgt Ion: 136 Resp: 530444
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 8.5 6.9 10.3
68 7.0 5.2 7.8

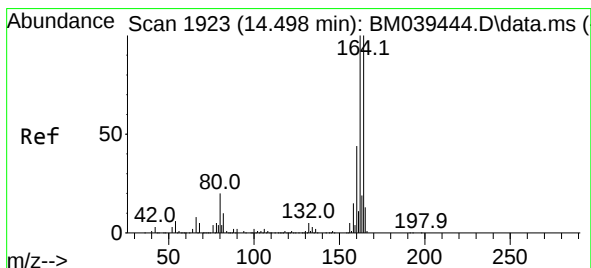
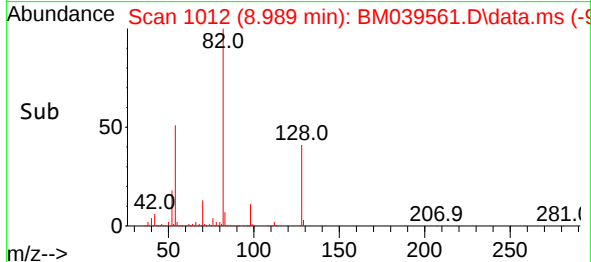
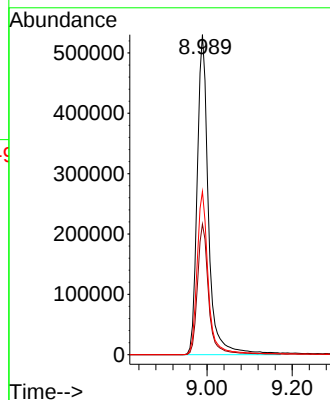
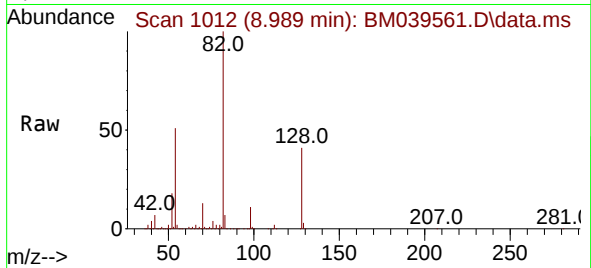




#23
Nitrobenzene-d5
Concen: 90.126 ng
RT: 8.989 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BM039561.D
Acq: 21 Apr 2023 21:04

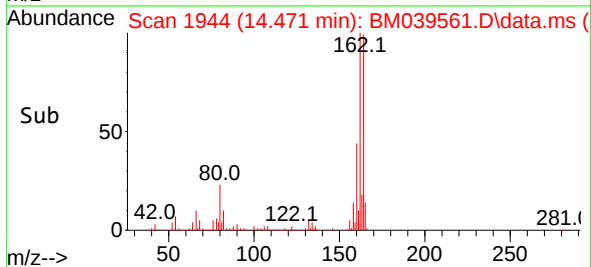
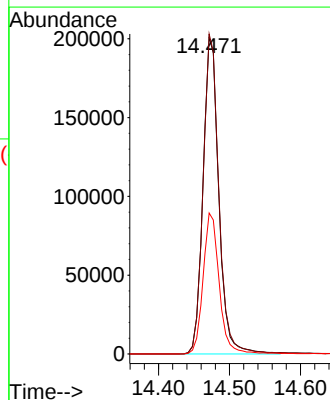
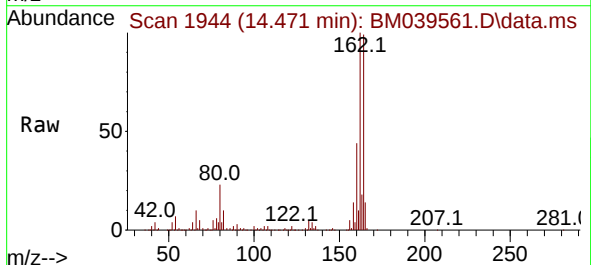
Instrument :
BNA_M
ClientSampleId :
SB-12-COMP

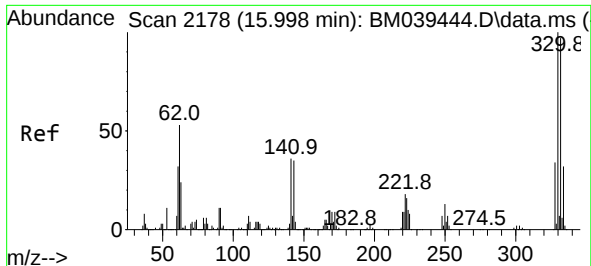
Tgt Ion: 82 Resp: 976239
Ion Ratio Lower Upper
82 100
128 40.8 34.2 51.2
54 51.0 39.7 59.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.471 min Scan# 1944
Delta R.T. -0.006 min
Lab File: BM039561.D
Acq: 21 Apr 2023 21:04

Tgt Ion: 164 Resp: 310675
Ion Ratio Lower Upper
164 100
162 101.0 79.8 119.8
160 44.5 35.0 52.4

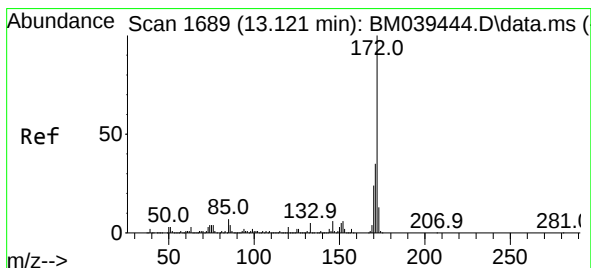
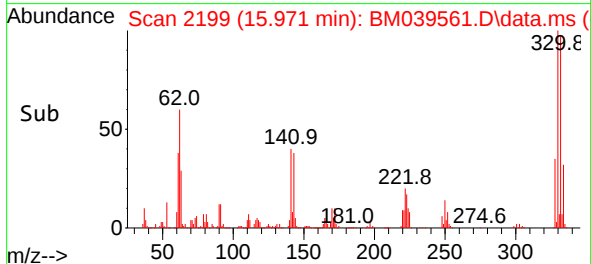
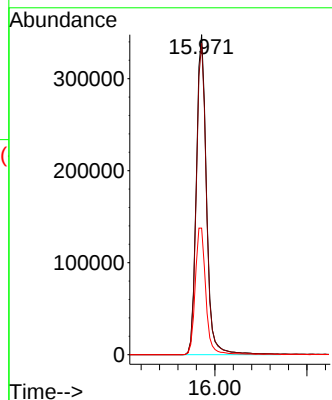
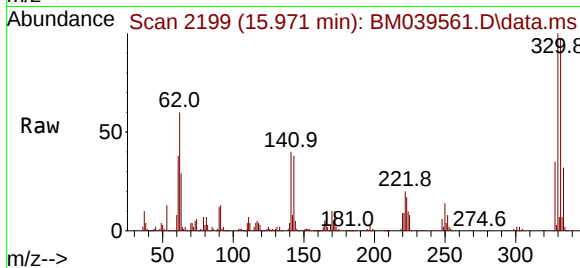




#42
2,4,6-Tribromophenol
Concen: 132.332 ng
RT: 15.971 min Scan# 2178
Delta R.T. -0.006 min
Lab File: BM039561.D
Acq: 21 Apr 2023 21:04

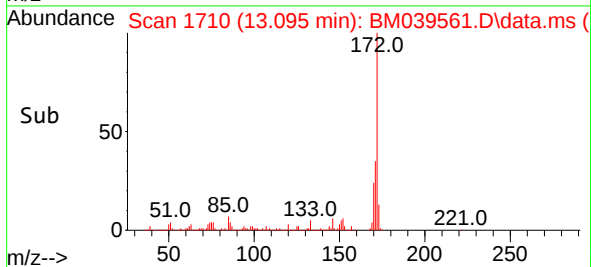
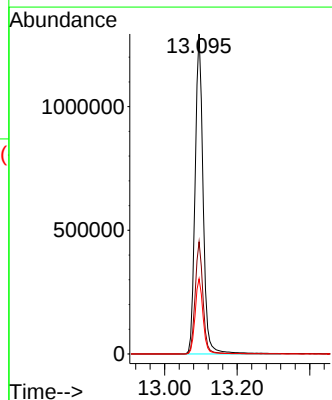
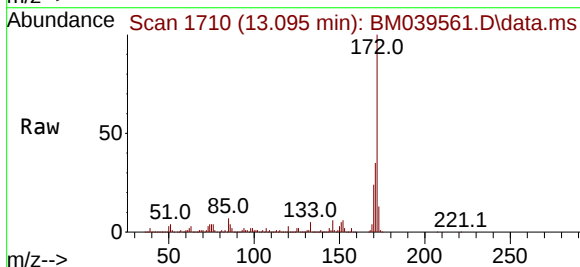
Instrument :
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ClientSampleId :
SB-12-COMP

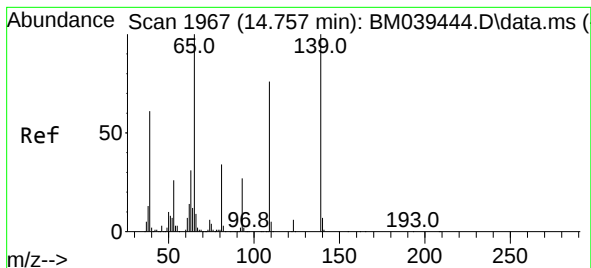
Tgt Ion:330 Resp: 533492
Ion Ratio Lower Upper
330 100
332 96.7 77.4 116.2
141 41.1 31.0 46.6



#45
2-Fluorobiphenyl
Concen: 88.422 ng
RT: 13.095 min Scan# 1710
Delta R.T. -0.006 min
Lab File: BM039561.D
Acq: 21 Apr 2023 21:04

Tgt Ion:172 Resp: 1985391
Ion Ratio Lower Upper
172 100
171 35.1 27.8 41.8
170 23.5 19.0 28.4

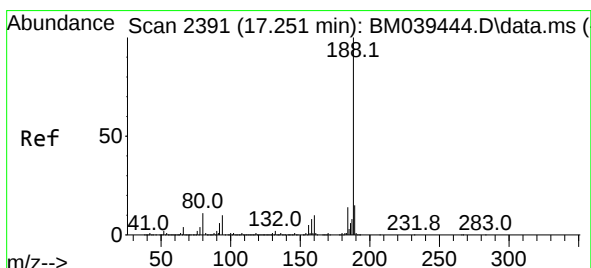
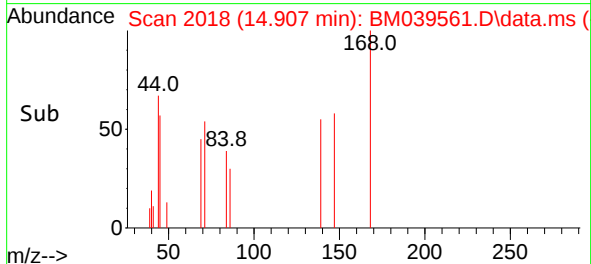
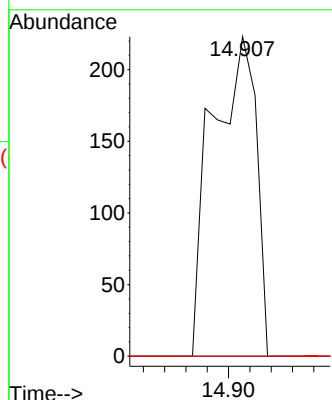
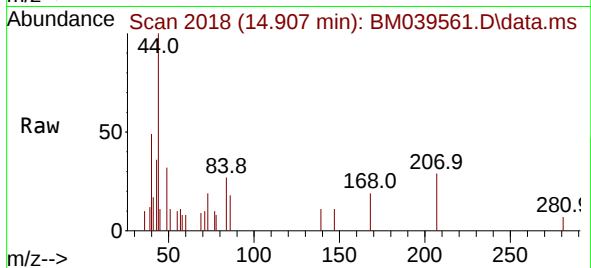




#56
4-Nitrophenol
Concen: 5.470 ng
RT: 14.907 min Scan# 2018
Delta R.T. 0.176 min
Lab File: BM039561.D
Acq: 21 Apr 2023 21:04

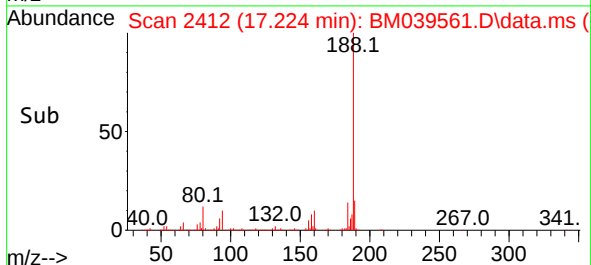
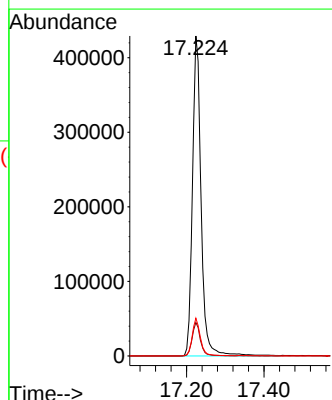
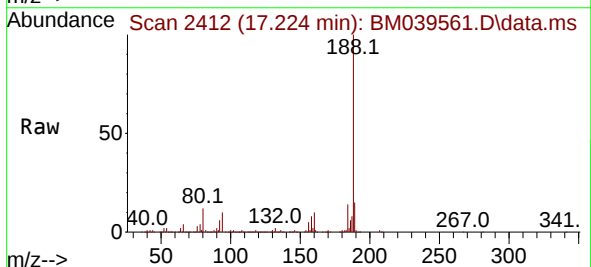
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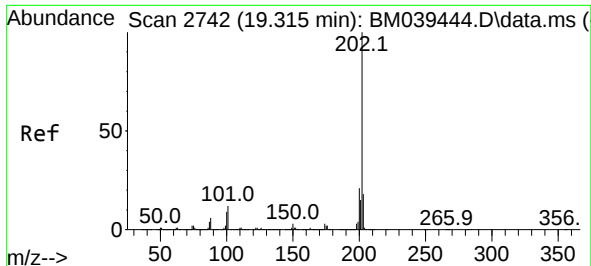
Tgt Ion:139 Resp: 319
Ion Ratio Lower Upper
139 100
109 0.0 56.5 96.5#
65 0.0 81.3 121.3#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.224 min Scan# 2412
Delta R.T. -0.006 min
Lab File: BM039561.D
Acq: 21 Apr 2023 21:04

Tgt Ion:188 Resp: 666384
Ion Ratio Lower Upper
188 100
94 10.5 7.9 11.9
80 11.8 8.9 13.3

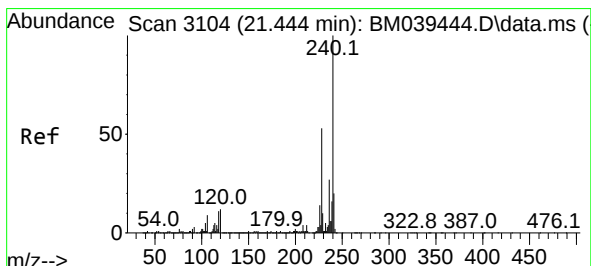
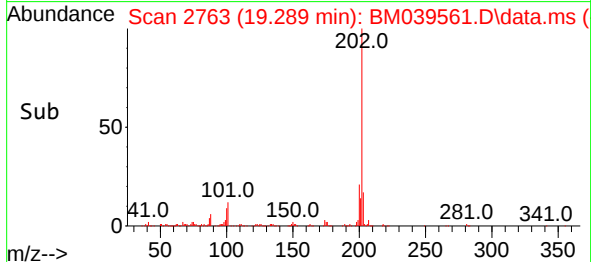
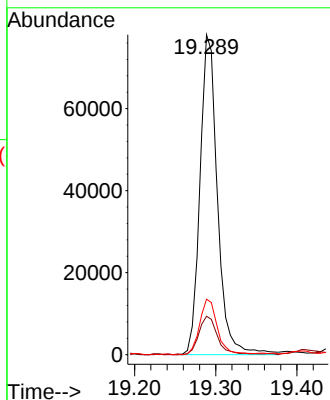
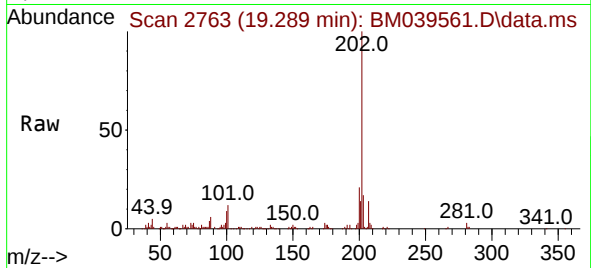




#75
Fluoranthene
Concen: 2.663 ng
RT: 19.289 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM039561.D
Acq: 21 Apr 2023 21:04

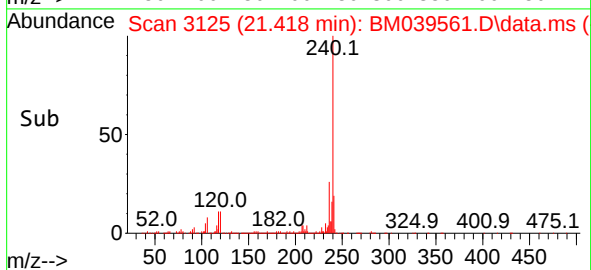
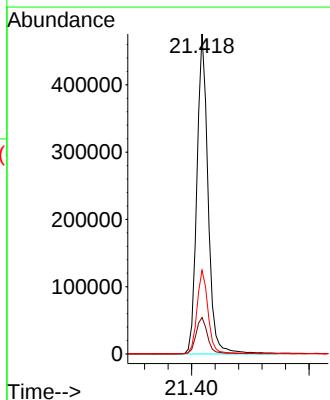
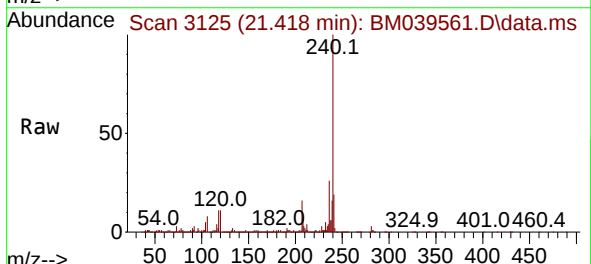
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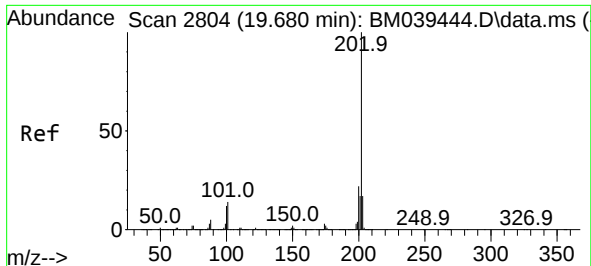
Tgt Ion:202 Resp: 116766
Ion Ratio Lower Upper
202 100
101 12.0 0.0 32.1
203 17.4 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.418 min Scan# 3125
Delta R.T. -0.006 min
Lab File: BM039561.D
Acq: 21 Apr 2023 21:04

Tgt Ion:240 Resp: 626974
Ion Ratio Lower Upper
240 100
120 11.4 9.4 14.2
236 26.2 21.2 31.8

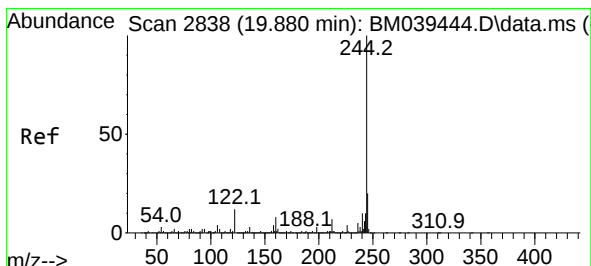
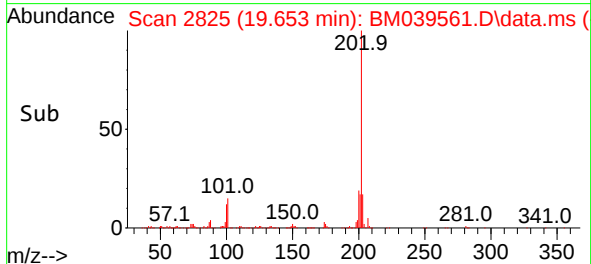
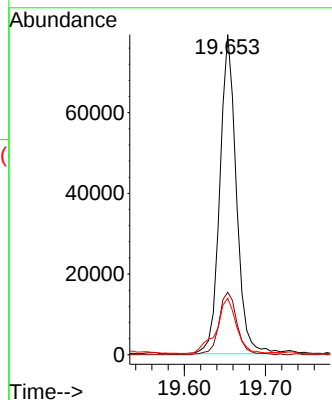
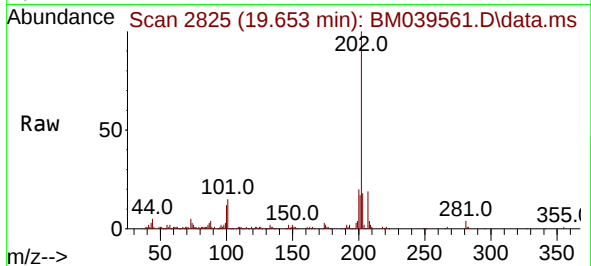




#78
 Pyrene
 Concen: 2.431 ng
 RT: 19.653 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM039561.D
 Acq: 21 Apr 2023 21:04

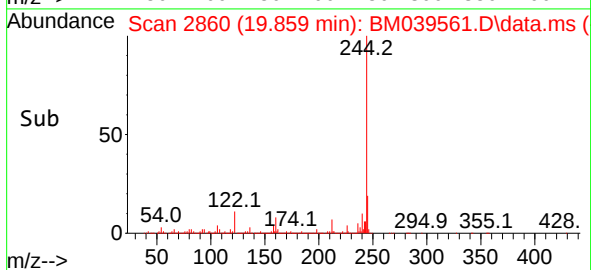
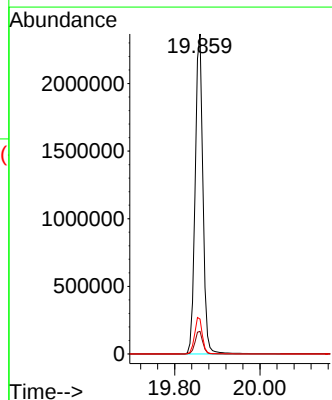
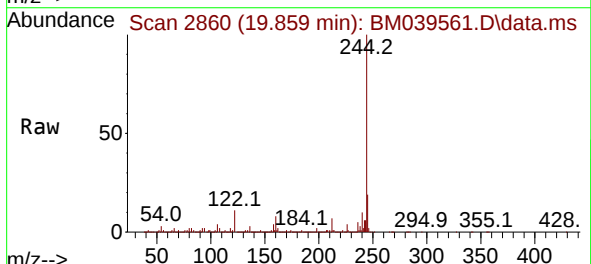
Instrument :
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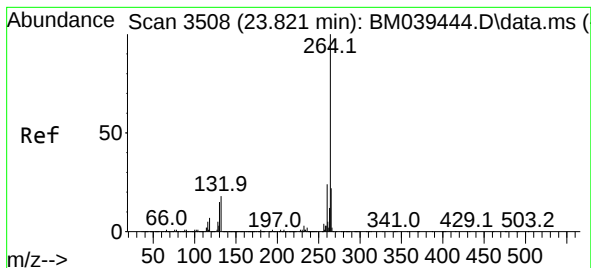
Tgt Ion:202 Resp: 112080
 Ion Ratio Lower Upper
 202 100
 200 19.5 17.2 25.8
 203 17.6 13.9 20.9



#79
 Terphenyl-d14
 Concen: 85.822 ng
 RT: 19.859 min Scan# 2860
 Delta R.T. -0.006 min
 Lab File: BM039561.D
 Acq: 21 Apr 2023 21:04

Tgt Ion:244 Resp: 2982662
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.8 8.8
 122 10.9 9.5 14.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.777 min Scan# 3

Delta R.T. -0.012 min

Lab File: BM039561.D

Acq: 21 Apr 2023 21:04

Instrument :

BNA_M

ClientSampleId :

SB-12-COMP

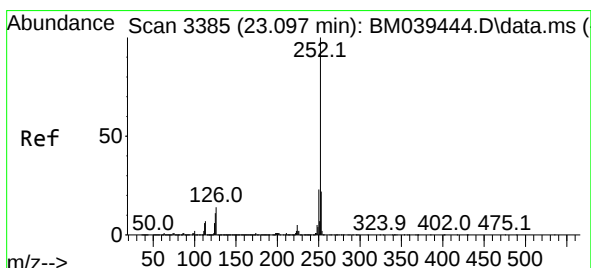
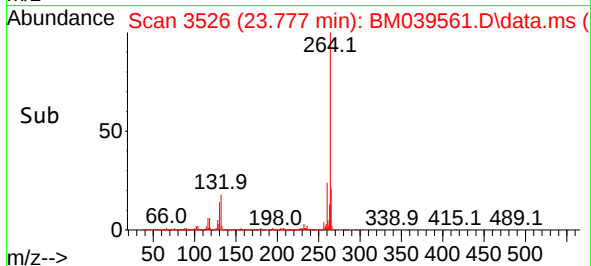
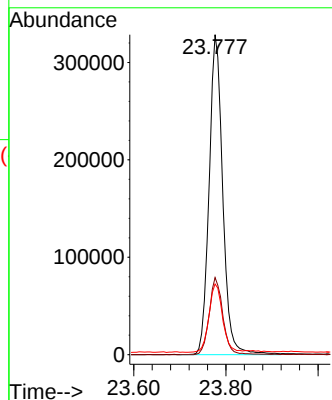
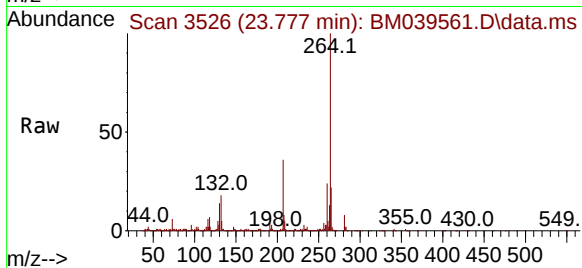
Tgt Ion:264 Resp: 677429

Ion Ratio Lower Upper

264 100

260 24.1 19.0 28.6

265 22.1 18.0 27.0



#88

Benzo(b)fluoranthene

Concen: 2.446 ng

RT: 23.065 min Scan# 3405

Delta R.T. -0.006 min

Lab File: BM039561.D

Acq: 21 Apr 2023 21:04

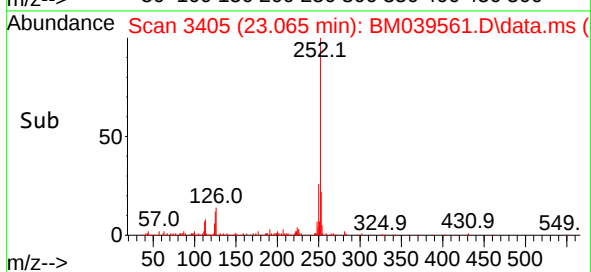
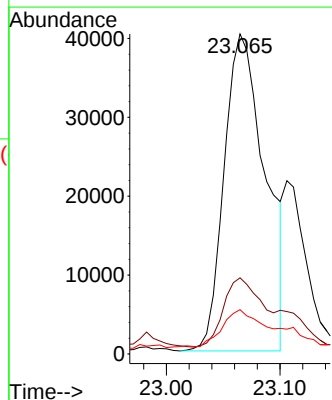
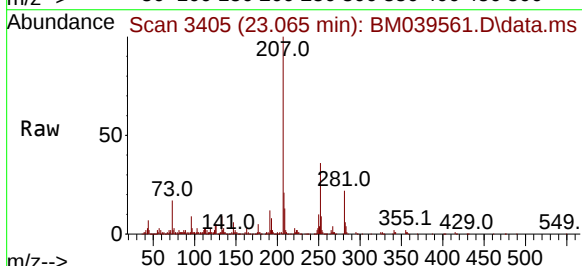
Tgt Ion:252 Resp: 101022

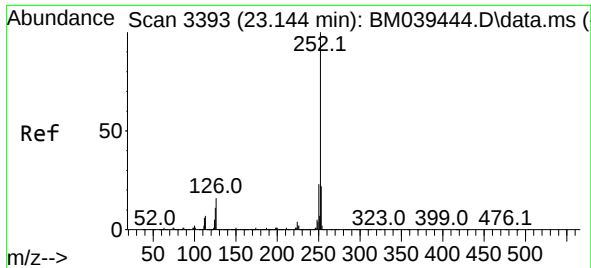
Ion Ratio Lower Upper

252 100

253 23.8 17.8 26.6

125 13.9 8.9 13.3#





#89
Benzo(k)fluoranthene
Concen: 2.339 ng
RT: 23.065 min Scan# 34
Delta R.T. -0.053 min
Lab File: BM039561.D
Acq: 21 Apr 2023 21:04

Instrument :
BNA_M
ClientSampleId :
SB-12-COMP

Tgt Ion:252 Resp: 101022
Ion Ratio Lower Upper
252 100
253 23.8 17.5 26.3
125 13.9 8.8 13.2#

