

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM052423\
 Data File : BM039993.D
 Acq On : 24 May 2023 20:39
 Operator : CG/JU
 Sample : 02894-04
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TP-50A

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/25/2023
 Supervised By : Jagrut Upadhyay 05/25/2023

Quant Time: May 25 04:30:33 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM052323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 24 01:06:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.016	152	328303	20.000	ng	0.00
21) Naphthalene-d8	10.834	136	1220374	20.000	ng	0.00
39) Acenaphthene-d10	14.651	164	556182	20.000	ng	0.00
64) Phenanthrene-d10	17.392	188	966062	20.000	ng	0.00
76) Chrysene-d12	21.568	240	824621	20.000	ng	0.00
86) Perylene-d12	24.021	264	986647	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.564	112	2434368	113.741	ng	0.00
7) Phenol-d6	7.169	99	2908704	104.183	ng	0.00
23) Nitrobenzene-d5	9.181	82	1570113	69.424	ng	0.00
42) 2,4,6-Tribromophenol	16.134	330	728225	100.879	ng	0.00
45) 2-Fluorobiphenyl	13.281	172	3260074	69.136	ng	0.00
79) Terphenyl-d14	20.010	244	3865555	72.785	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.433	178	148702	2.573	ng	99
74) Di-n-butylphthalate	18.363	149	5310	3.736	ng	# 91
75) Fluoranthene	19.445	202	347967	6.042	ng	98
78) Pyrene	19.810	202	340238	5.623	ng	100
81) Benzo(a)anthracene	21.551	228	183353	3.141	ng	97
83) Chrysene	21.604	228	188317m	3.362	ng	
84) Bis(2-ethylhexyl)phtha...	21.480	149	22041	4.116	ng	98
88) Benzo(b)fluoranthene	23.268	252	270546	4.283	ng	# 96
89) Benzo(k)fluoranthene	23.315	252	140003m	2.027	ng	
90) Benzo(a)pyrene	23.909	252	185263	3.058	ng	# 94
92) Benzo(g,h,i)perylene	27.350	276	144300	2.410	ng	95

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

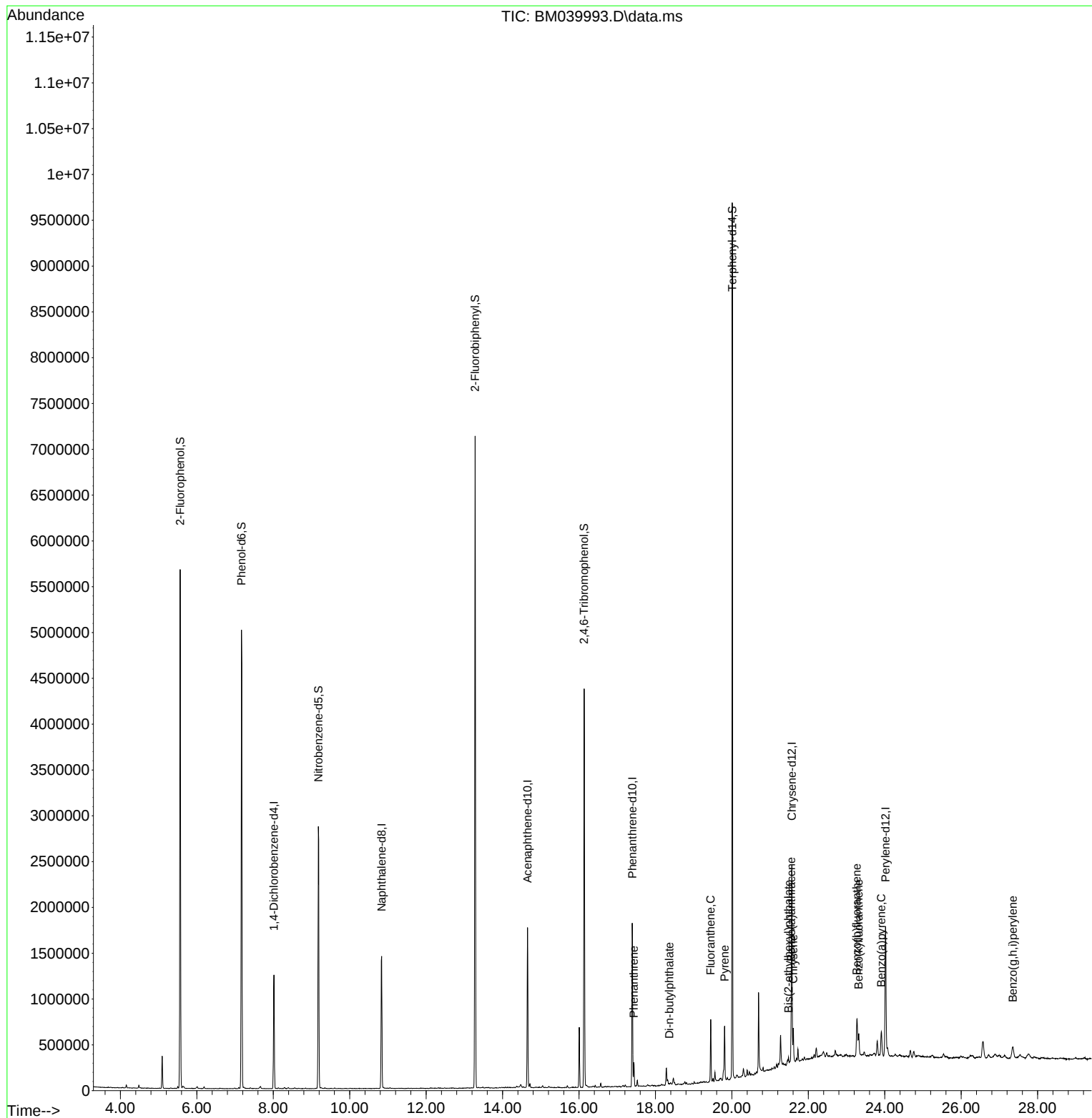
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM052423\
Data File : BM039993.D
Acq On : 24 May 2023 20:39
Operator : CG/JU
Sample : 02894-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

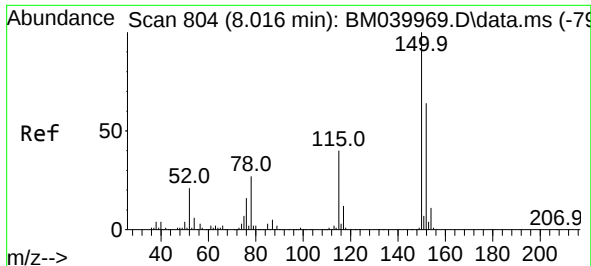
Instrument :
BNA_M
ClientSampleId :
TP-50A

Quant Time: May 25 04:30:33 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM052323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 24 01:06:13 2023
Response via : Initial Calibration

Manual Integrations
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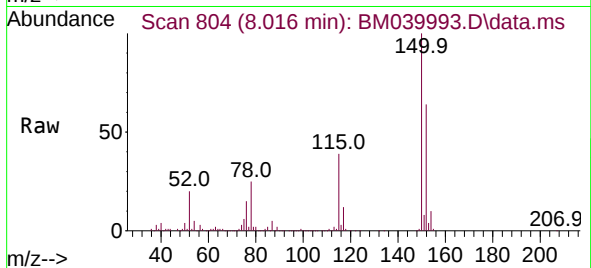
Reviewed By :Christian Giraldo 05/25/2023
Supervised By :Jagrut Upadhyay 05/25/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.016 min Scan# 804
Delta R.T. 0.000 min
Lab File: BM039993.D
Acq: 24 May 2023 20:39

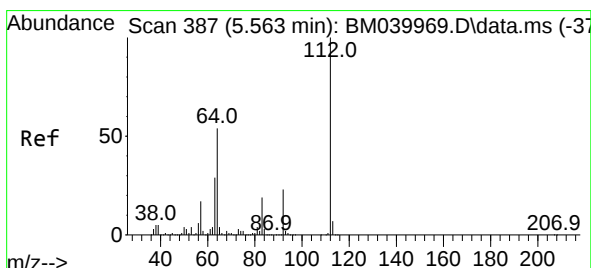
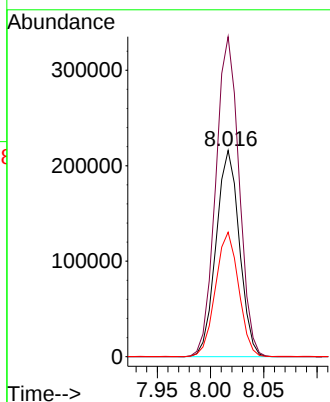
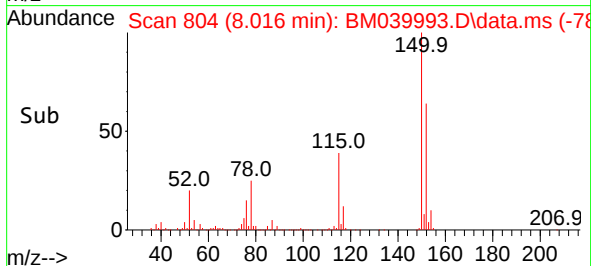
Instrument :
BNA_M
ClientSampleId :
TP-50A



Tgt Ion:152 Resp: 32830
Ion Ratio Lower Upper
152 100
150 155.2 125.5 188.3
115 60.4 50.2 75.2

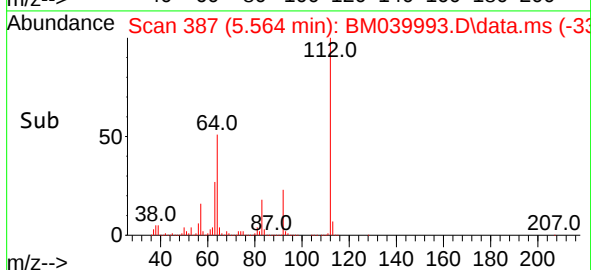
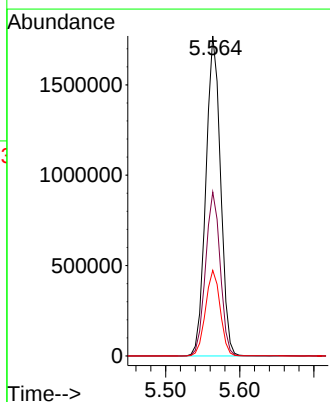
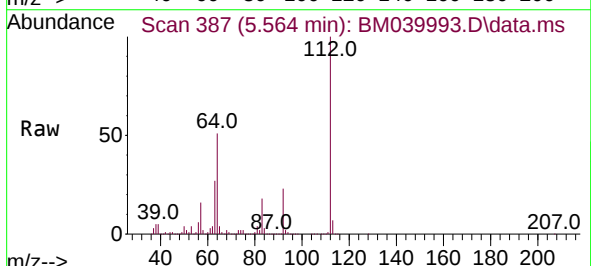
Manual Integrations
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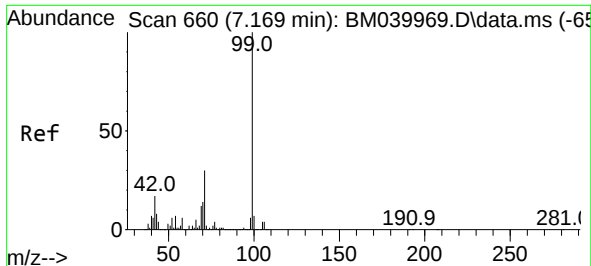
Reviewed By :Christian Giraldo 05/25/2023
Supervised By :Jagrut Upadhyay 05/25/2023



#5
2-Fluorophenol
Concen: 113.741 ng
RT: 5.564 min Scan# 387
Delta R.T. 0.000 min
Lab File: BM039993.D
Acq: 24 May 2023 20:39

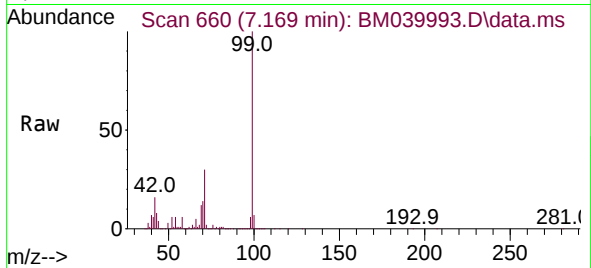
Tgt Ion:112 Resp: 2434368
Ion Ratio Lower Upper
112 100
64 51.3 43.0 64.4
63 26.8 22.9 34.3





#7
Phenol-d6
Concen: 104.183 ng
RT: 7.169 min Scan# 660
Delta R.T. 0.000 min
Lab File: BM039993.D
Acq: 24 May 2023 20:39

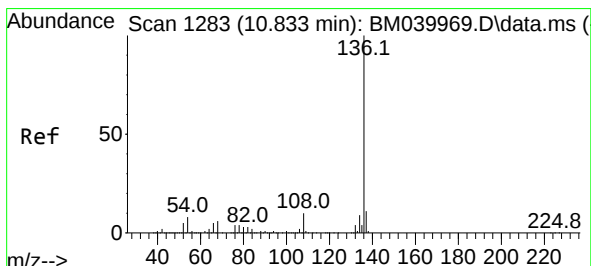
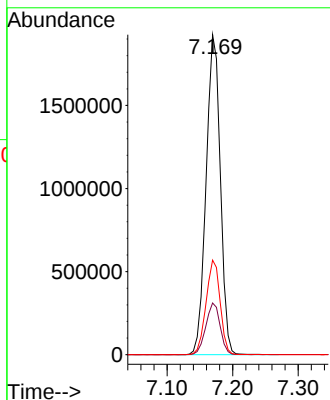
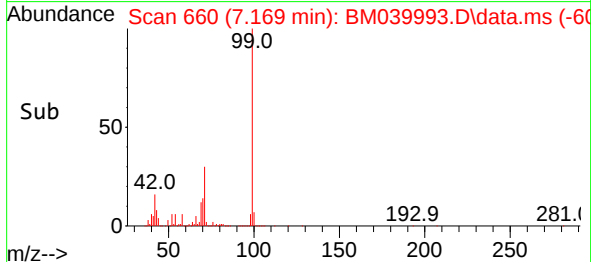
Instrument :
BNA_M
ClientSampleId :
TP-50A



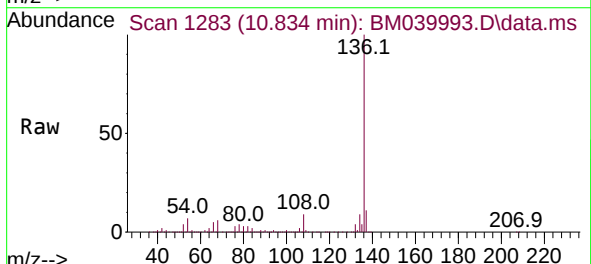
Tgt Ion: 99 Resp: 2908704
Ion Ratio Lower Upper
99 100
42 16.2 13.8 20.6
71 29.5 24.4 36.6

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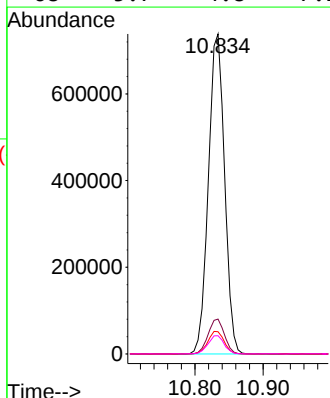
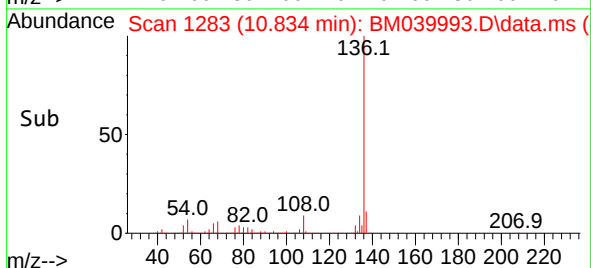
Reviewed By :Christian Giraldo 05/25/2023
Supervised By :Jagrut Upadhyay 05/25/2023

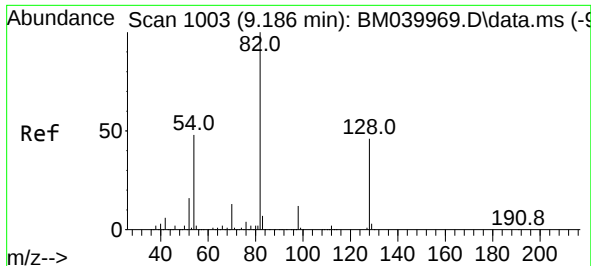


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.834 min Scan# 1283
Delta R.T. 0.001 min
Lab File: BM039993.D
Acq: 24 May 2023 20:39



Tgt Ion:136 Resp: 1220374
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 6.9 6.1 9.1
68 5.7 4.8 7.2





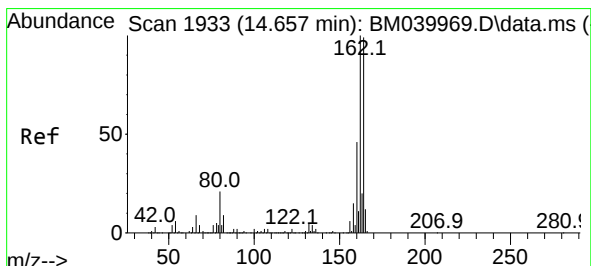
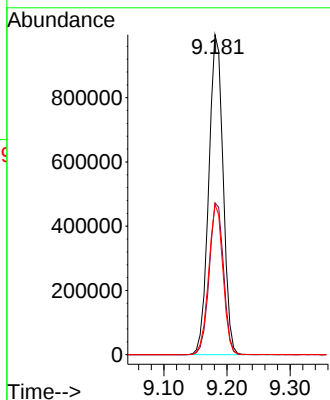
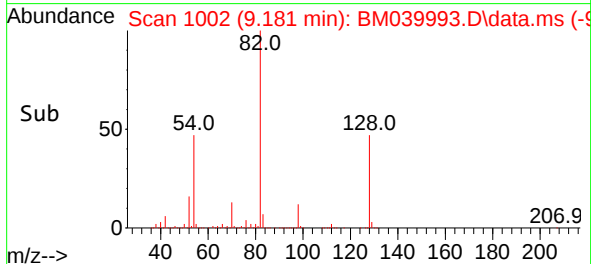
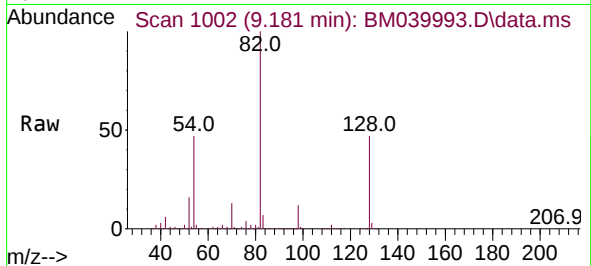
#23
Nitrobenzene-d5
Concen: 69.424 ng
RT: 9.181 min Scan# 1002
Delta R.T. -0.005 min
Lab File: BM039993.D
Acq: 24 May 2023 20:39

Instrument :
BNA_M
ClientSampleId :
TP-50A

Tgt Ion: 82 Resp: 157011
Ion Ratio Lower Upper
82 100
128 47.5 36.5 54.7
54 46.9 38.3 57.5

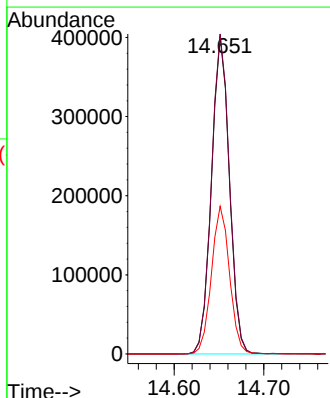
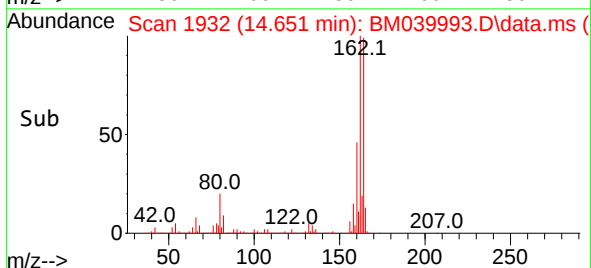
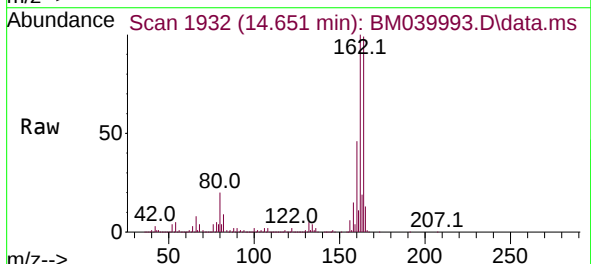
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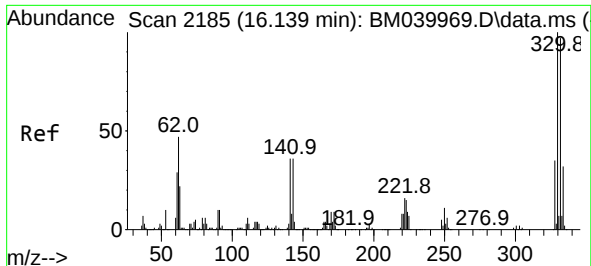
Reviewed By :Christian Giraldo 05/25/2023
Supervised By :Jagrut Upadhyay 05/25/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.651 min Scan# 1932
Delta R.T. -0.005 min
Lab File: BM039993.D
Acq: 24 May 2023 20:39

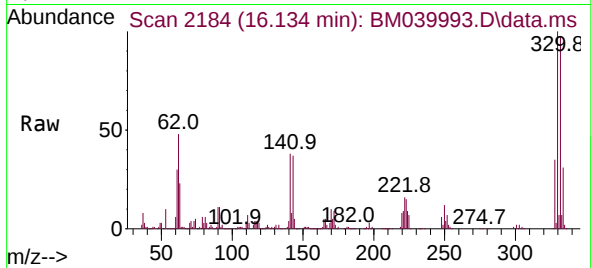
Tgt Ion:164 Resp: 556182
Ion Ratio Lower Upper
164 100
162 100.7 80.6 120.8
160 46.5 36.7 55.1





#42
2,4,6-Tribromophenol
Concen: 100.879 ng
RT: 16.134 min Scan# 2185
Delta R.T. -0.005 min
Lab File: BM039993.D
Acq: 24 May 2023 20:39

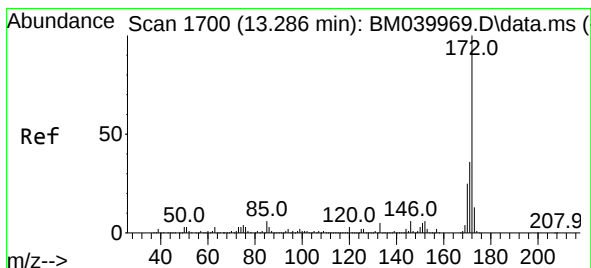
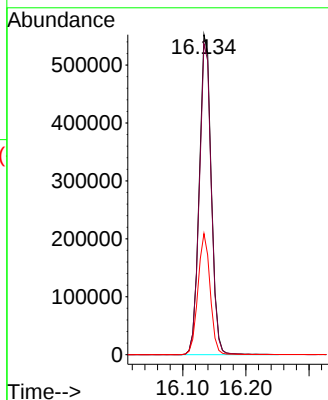
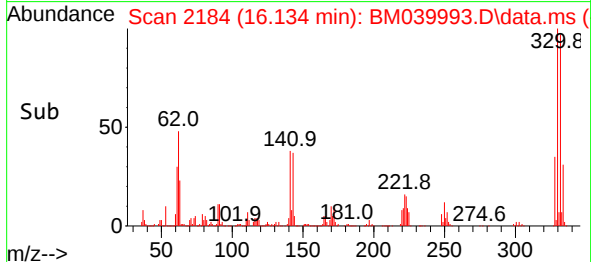
Instrument :
BNA_M
ClientSampleId :
TP-50A



Tgt Ion:330 Resp: 728225
Ion Ratio Lower Upper
330 100
332 96.9 77.4 116.2
141 38.6 31.6 47.4

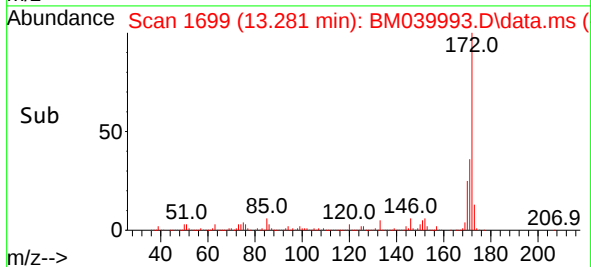
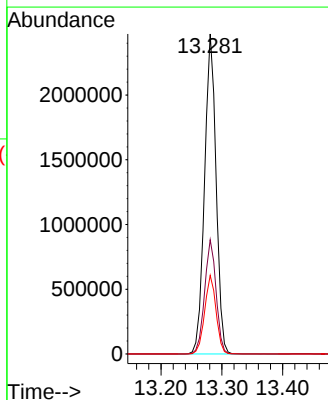
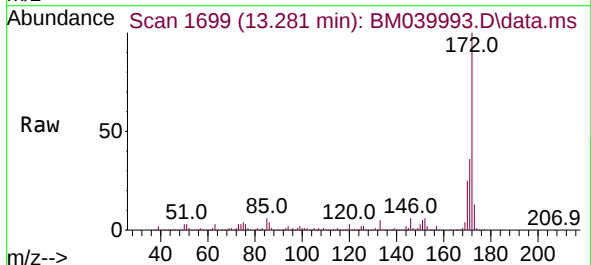
Manual Integrations
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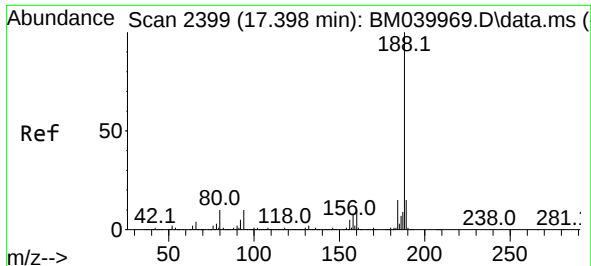
Reviewed By :Christian Giraldo 05/25/2023
Supervised By :Jagrut Upadhyay 05/25/2023



#45
2-Fluorobiphenyl
Concen: 69.136 ng
RT: 13.281 min Scan# 1699
Delta R.T. -0.005 min
Lab File: BM039993.D
Acq: 24 May 2023 20:39

Tgt Ion:172 Resp: 3260074
Ion Ratio Lower Upper
172 100
171 35.7 28.8 43.2
170 24.5 19.6 29.4





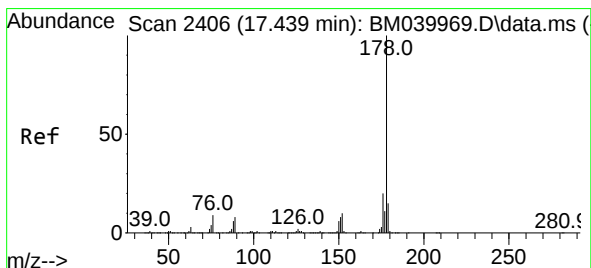
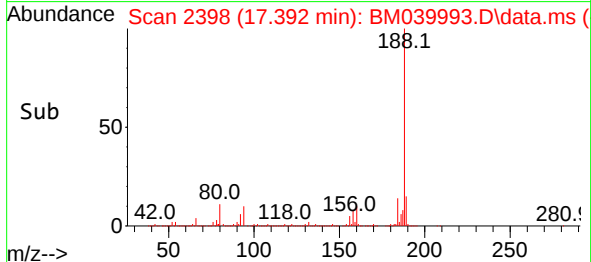
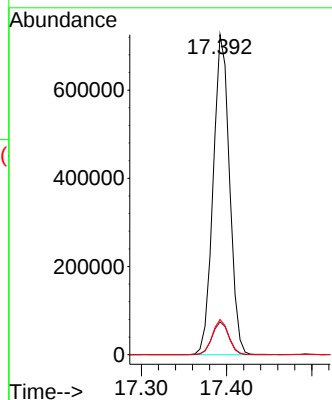
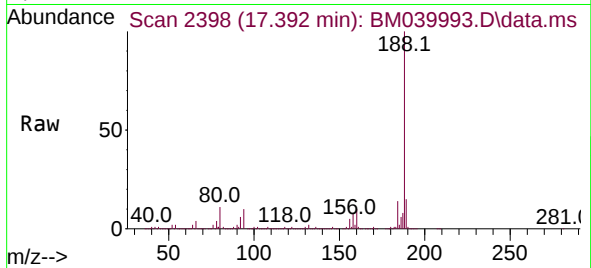
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.392 min Scan# 21
Delta R.T. -0.005 min
Lab File: BM039993.D
Acq: 24 May 2023 20:39

Instrument :
BNA_M
ClientSampleId :
TP-50A

Tgt Ion:188 Resp: 966062
Ion Ratio Lower Upper
188 100
94 10.2 7.8 11.8
80 11.0 8.2 12.4

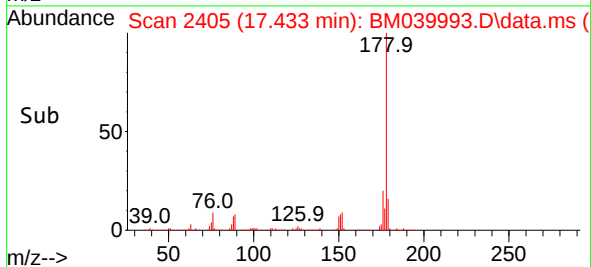
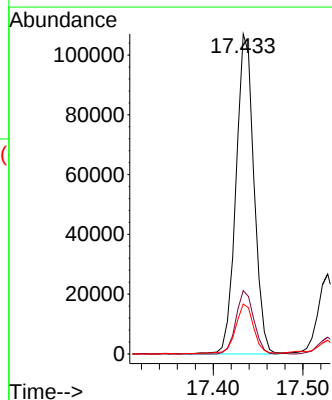
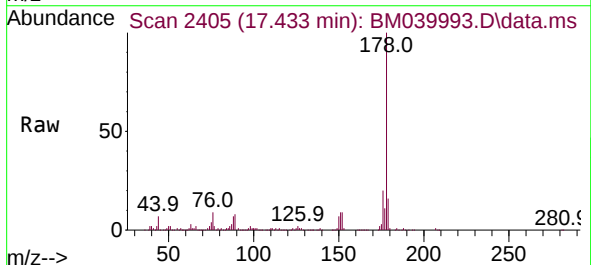
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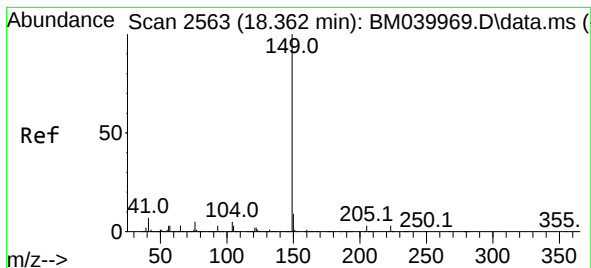
Reviewed By :Christian Giraldo 05/25/2023
Supervised By :Jagrut Upadhyay 05/25/2023



#71
Phenanthrene
Concen: 2.573 ng
RT: 17.433 min Scan# 2405
Delta R.T. -0.005 min
Lab File: BM039993.D
Acq: 24 May 2023 20:39

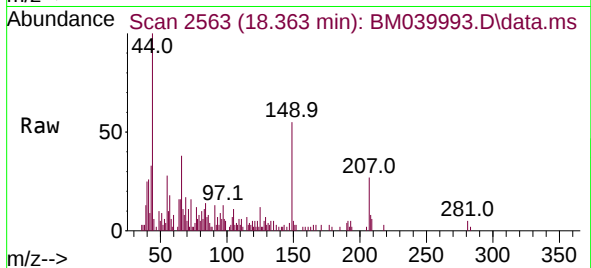
Tgt Ion:178 Resp: 148702
Ion Ratio Lower Upper
178 100
176 19.8 16.2 24.2
179 15.6 12.2 18.4





#74
Di-n-butylphthalate
Concen: 3.736 ng
RT: 18.363 min Scan# 21
Delta R.T. 0.001 min
Lab File: BM039993.D
Acq: 24 May 2023 20:39

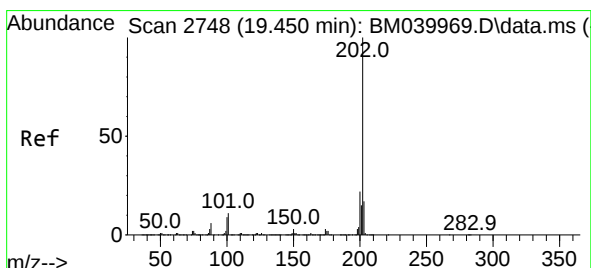
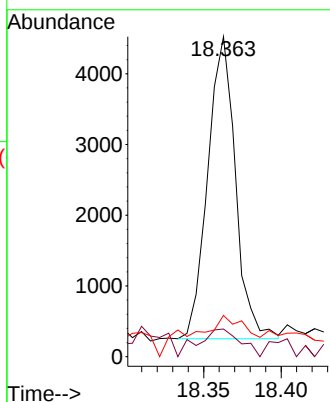
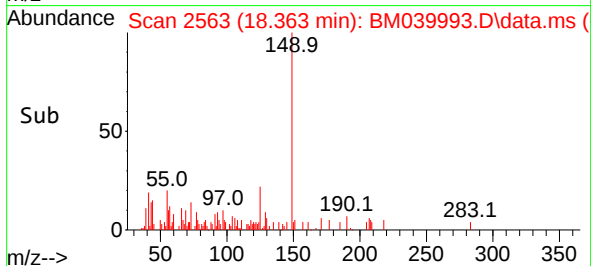
Instrument :
BNA_M
ClientSampleId :
TP-50A



Tgt Ion:149 Resp: 5310
Ion Ratio Lower Upper
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150 8.7 7.4 11.2
104 12.9 4.2 6.2

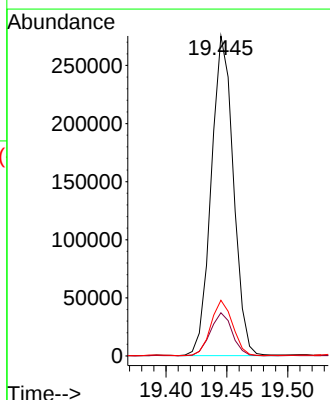
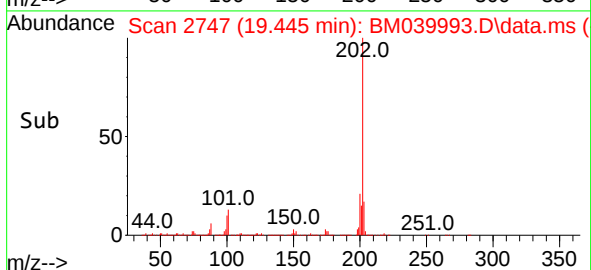
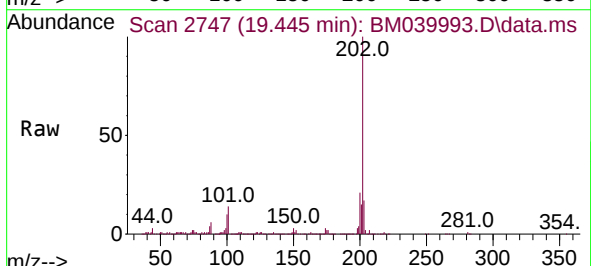
Manual Integrations
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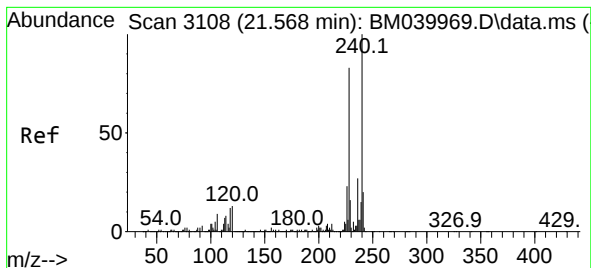
Reviewed By :Christian Giraldo 05/25/2023
Supervised By :Jagrut Upadhyay 05/25/2023



#75
Fluoranthene
Concen: 6.042 ng
RT: 19.445 min Scan# 2747
Delta R.T. -0.005 min
Lab File: BM039993.D
Acq: 24 May 2023 20:39

Tgt Ion:202 Resp: 347967
Ion Ratio Lower Upper
202 100
101 13.5 0.0 31.3
203 17.4 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.568 min Scan# 3108

Delta R.T. 0.000 min

Lab File: BM039993.D

Acq: 24 May 2023 20:39

Instrument :

BNA_M

ClientSampleId :

TP-50A

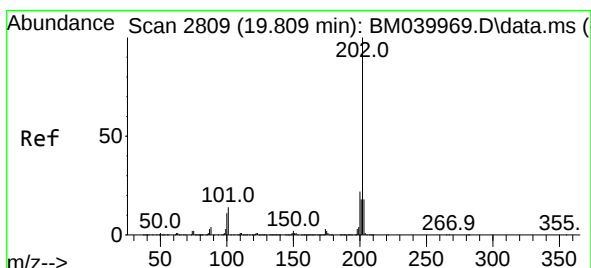
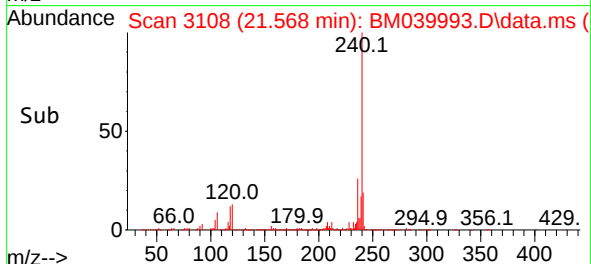
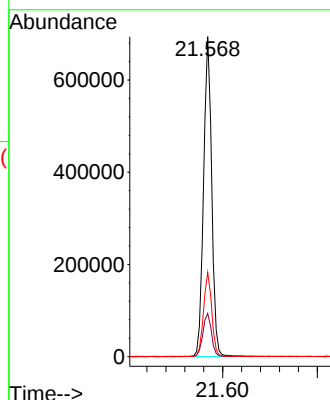
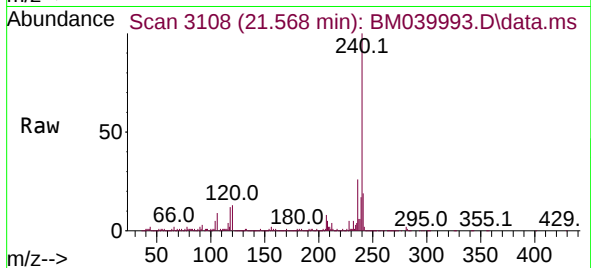
Tgt Ion:240 Resp: 82462

Ion	Ratio	Lower	Upper
240	100		
120	13.5	10.1	15.1
236	26.4	21.3	31.9

Manual Integrations

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Supervised By :Jagrut Upadhyay 05/25/2023



#78

Pyrene

Concen: 5.623 ng

RT: 19.810 min Scan# 2809

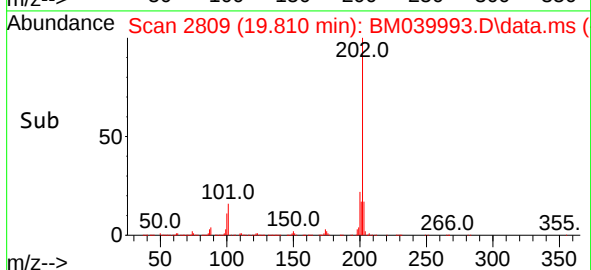
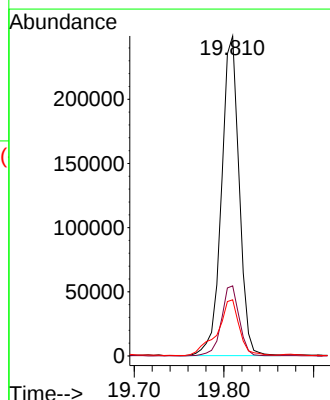
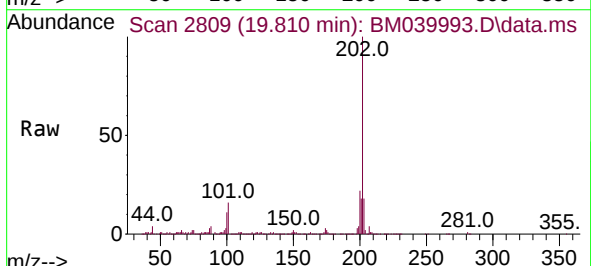
Delta R.T. 0.001 min

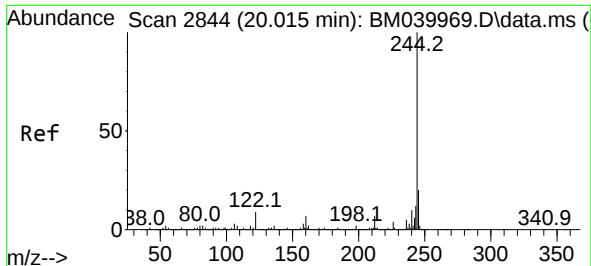
Lab File: BM039993.D

Acq: 24 May 2023 20:39

Tgt Ion:202 Resp: 340238

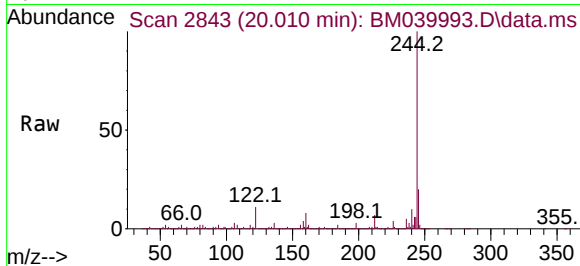
Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.6	26.4
203	17.5	14.1	21.1





#79
Terphenyl-d14
Concen: 72.785 ng
RT: 20.010 min Scan# 21
Delta R.T. -0.005 min
Lab File: BM039993.D
Acq: 24 May 2023 20:39

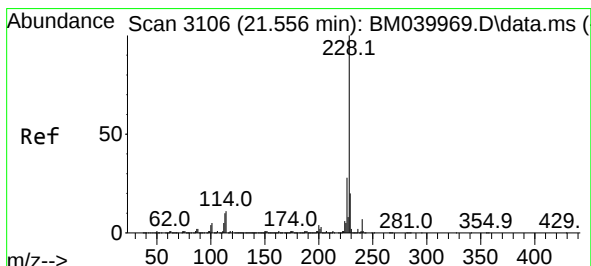
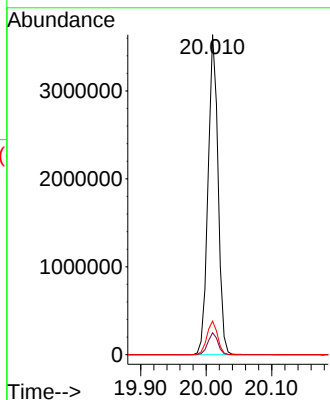
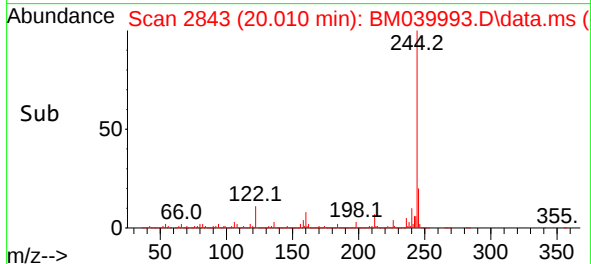
Instrument :
BNA_M
ClientSampleId :
TP-50A



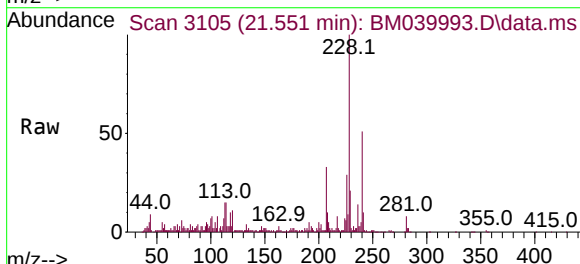
Tgt Ion:244 Resp: 386555
Ion Ratio Lower Upper
244 100
212 6.9 5.4 8.0
122 10.5 7.1 10.7

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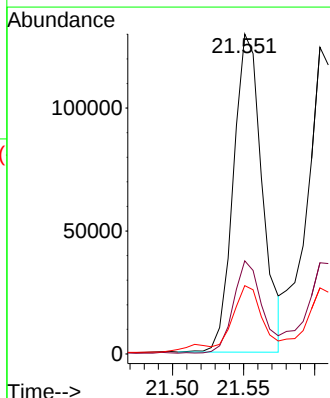
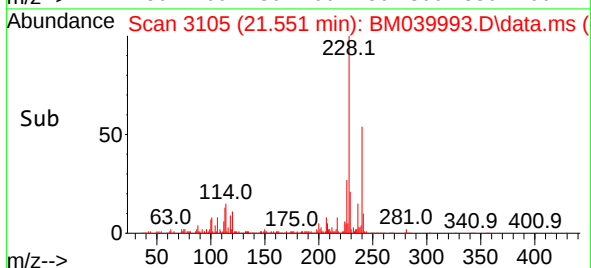
Reviewed By :Christian Giraldo 05/25/2023
Supervised By :Jagrut Upadhyay 05/25/2023

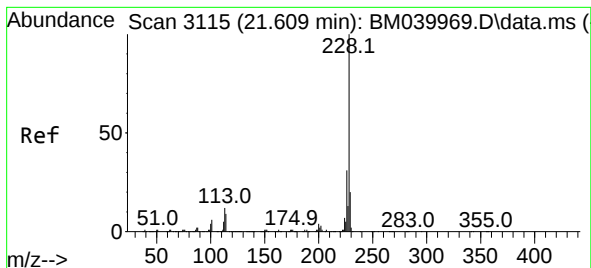


#81
Benzo(a)anthracene
Concen: 3.141 ng
RT: 21.551 min Scan# 3105
Delta R.T. -0.005 min
Lab File: BM039993.D
Acq: 24 May 2023 20:39



Tgt Ion:228 Resp: 183353
Ion Ratio Lower Upper
228 100
226 29.1 22.2 33.4
229 21.3 15.8 23.6





#83

Chrysene

Concen: 3.362 ng m

RT: 21.604 min Scan# 3115

Delta R.T. -0.005 min

Lab File: BM039993.D

Acq: 24 May 2023 20:39

Instrument :

BNA_M

ClientSampleId :

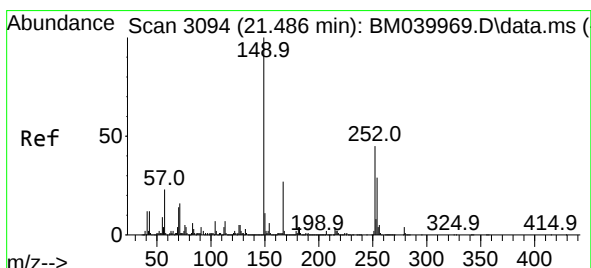
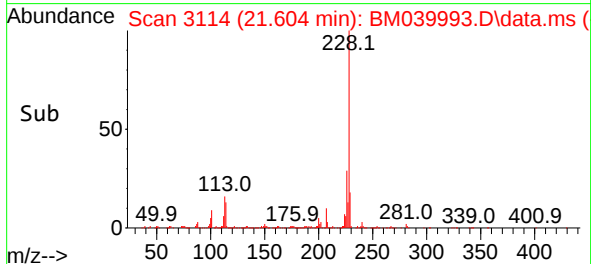
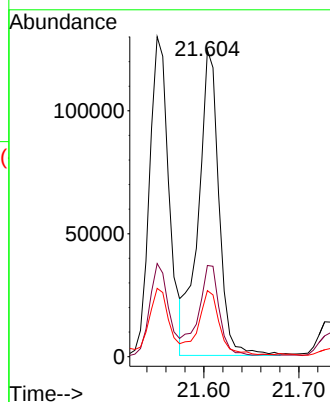
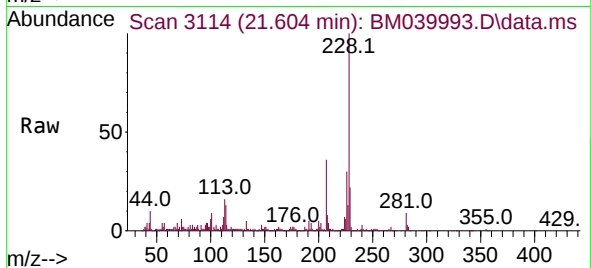
TP-50A

Tgt Ion:	228	Resp:	18831
Ion Ratio	Lower	Upper	
228	100		
226	29.8	24.5	36.7
229	21.5	15.9	23.9

Manual Integrations

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Reviewed By :Christian Giraldo 05/25/2023
Supervised By :Jagrut Upadhyay 05/25/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.116 ng

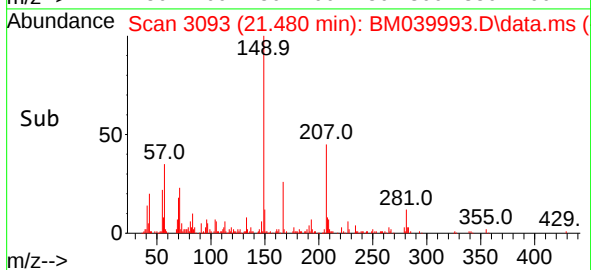
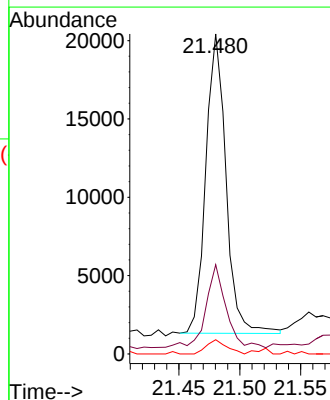
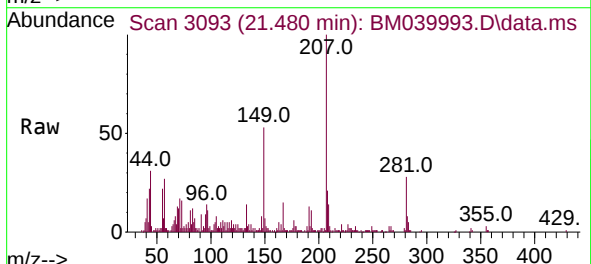
RT: 21.480 min Scan# 3093

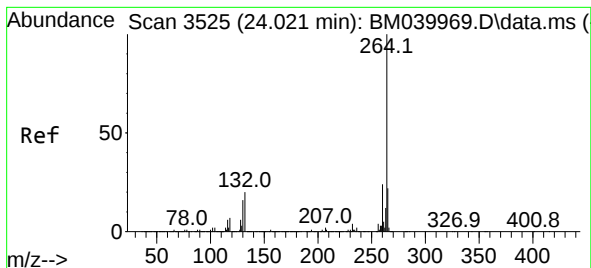
Delta R.T. -0.006 min

Lab File: BM039993.D

Acq: 24 May 2023 20:39

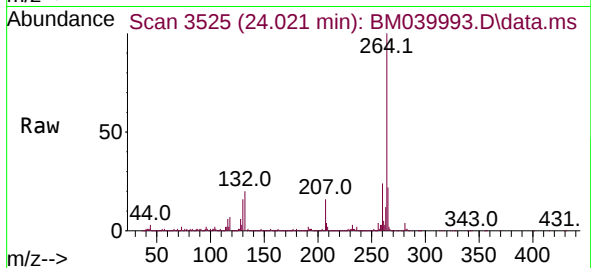
Tgt Ion:	149	Resp:	22041
Ion Ratio	Lower	Upper	
149	100		
167	27.9	21.4	32.2
279	4.5	3.3	4.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.021 min Scan# 31
Delta R.T. 0.000 min
Lab File: BM039993.D
Acq: 24 May 2023 20:39

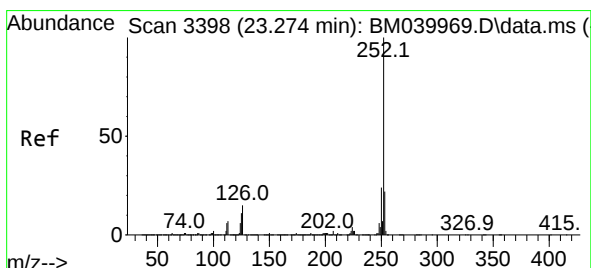
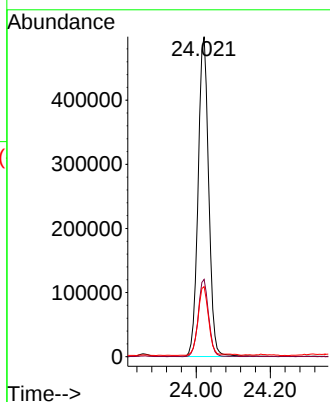
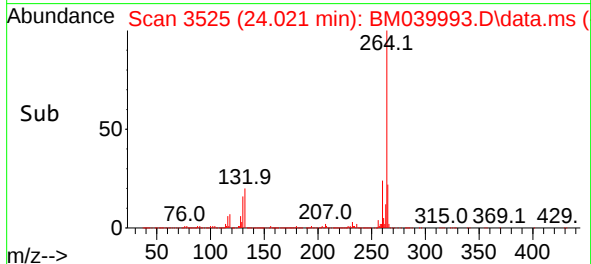
Instrument :
BNA_M
ClientSampleId :
TP-50A



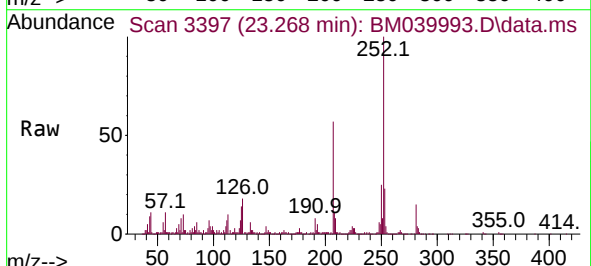
Tgt Ion:264 Resp: 98664
Ion Ratio Lower Upper
264 100
260 24.2 19.5 29.3
265 21.9 17.7 26.5

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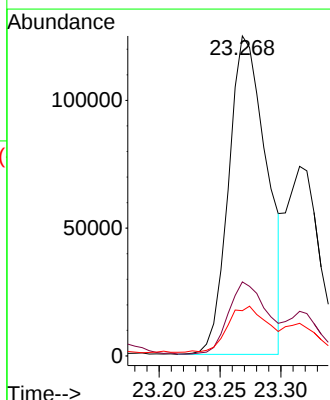
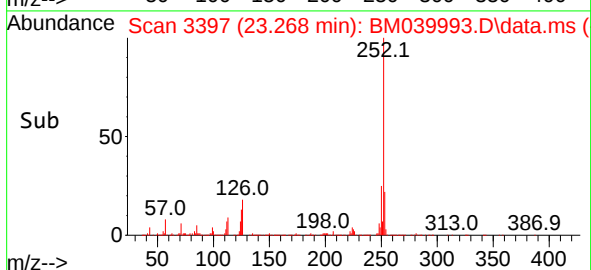
Reviewed By :Christian Giraldo 05/25/2023
Supervised By :Jagrut Upadhyay 05/25/2023

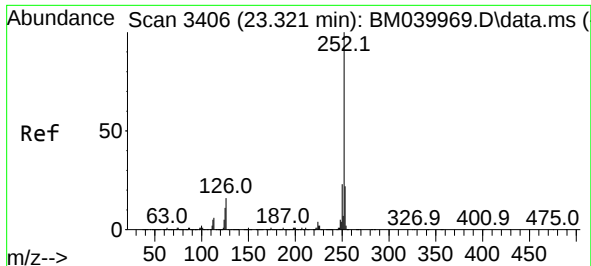


#88
Benzo(b)fluoranthene
Concen: 4.283 ng
RT: 23.268 min Scan# 3397
Delta R.T. -0.005 min
Lab File: BM039993.D
Acq: 24 May 2023 20:39



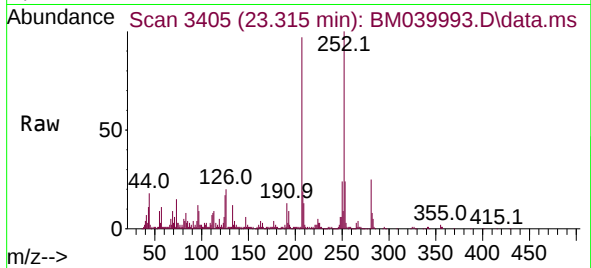
Tgt Ion:252 Resp: 270546
Ion Ratio Lower Upper
252 100
253 23.2 17.6 26.4
125 14.2 8.9 13.3#





#89
Benzo(k)fluoranthene
Concen: 2.027 ng m
RT: 23.315 min Scan# 3406
Delta R.T. -0.005 min
Lab File: BM039993.D
Acq: 24 May 2023 20:39

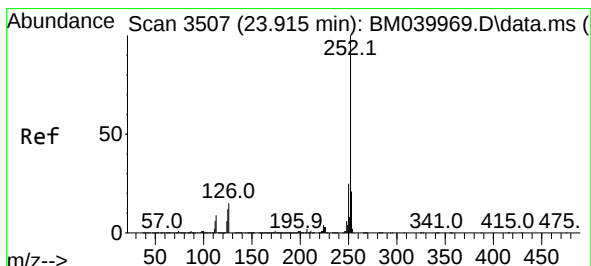
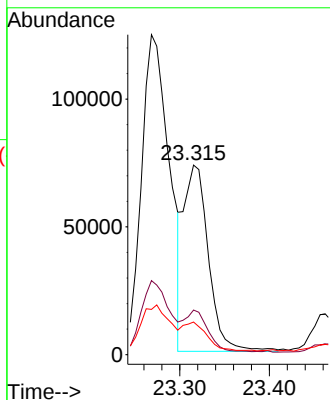
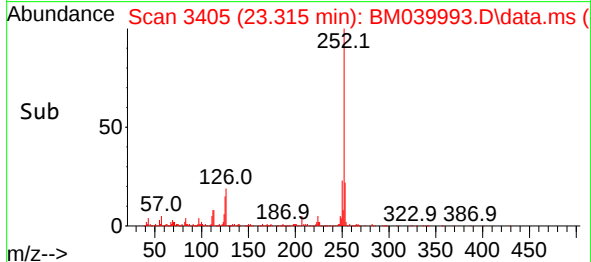
Instrument :
BNA_M
ClientSampleId :
TP-50A



Tgt Ion:252 Resp: 140000
Ion Ratio Lower Upper
252 100
253 23.6 17.4 26.0
125 17.2 9.0 13.4

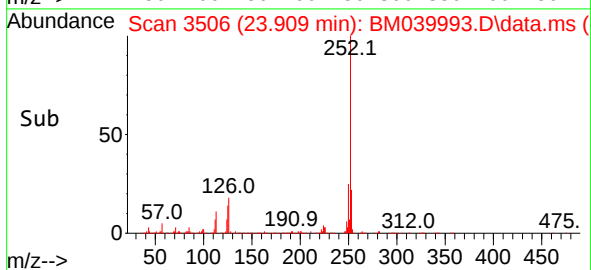
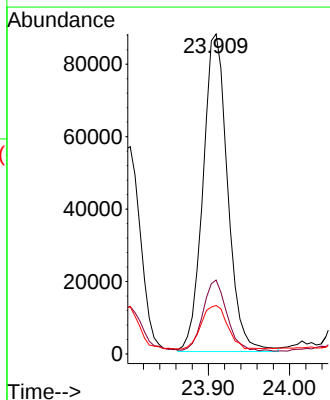
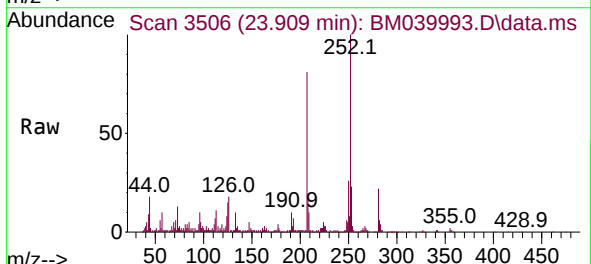
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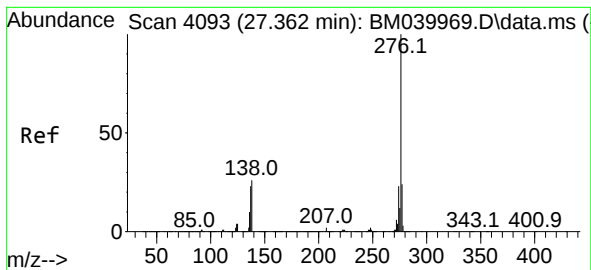
Reviewed By :Christian Giraldo 05/25/2023
Supervised By :Jagrut Upadhyay 05/25/2023



#90
Benzo(a)pyrene
Concen: 3.058 ng
RT: 23.909 min Scan# 3506
Delta R.T. -0.005 min
Lab File: BM039993.D
Acq: 24 May 2023 20:39

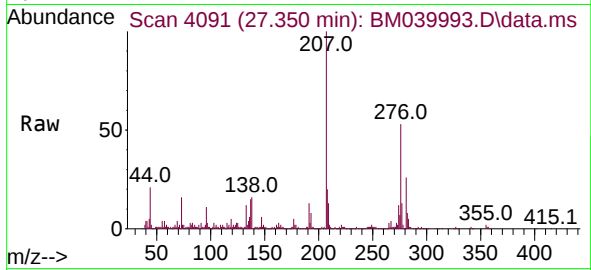
Tgt Ion:252 Resp: 185263
Ion Ratio Lower Upper
252 100
253 23.1 17.0 25.4
125 15.1 9.6 14.4





#92
Benzo(g,h,i)perylene
Concen: 2.410 ng
RT: 27.350 min Scan# 4091
Delta R.T. -0.011 min
Lab File: BM039993.D
Acq: 24 May 2023 20:39

Instrument :
BNA_M
ClientSampleId :
TP-50A



Tgt Ion:276 Resp: 144300
Ion Ratio Lower Upper
276 100
277 24.4 19.1 28.7
138 30.4 20.6 31.0

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 05/25/2023
Supervised By :Jagrut Upadhyay 05/25/2023

