

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM052423\
 Data File : BM039981.D
 Acq On : 24 May 2023 13:20
 Operator : CG/JU
 Sample : 02824-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EFF-WW

Manual Integrations
 APPROVED

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

Quant Time: May 24 14:12:03 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	270146	20.000	ng	0.00
21) Naphthalene-d8	10.834	136	1187169	20.000	ng	0.00
39) Acenaphthene-d10	14.651	164	626075	20.000	ng	0.00
64) Phenanthrene-d10	17.392	188	1398582	20.000	ng	0.00
76) Chrysene-d12	21.574	240	1535539	20.000	ng	0.00
86) Perylene-d12	24.033	264	1590014	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	522607	29.675	ng	0.00
7) Phenol-d6	7.169	99	384696	16.745	ng	0.00
23) Nitrobenzene-d5	9.181	82	1674119	76.093	ng	0.00
42) 2,4,6-Tribromophenol	16.133	330	567698	69.862	ng	0.00
45) 2-Fluorobiphenyl	13.281	172	4137401	77.946	ng	0.00
79) Terphenyl-d14	20.015	244	7875190	79.632	ng	0.00
Target Compounds						
32) Benzoic acid	10.416	122	10524713m	734.943	ng	Qvalue
60) Diethylphthalate	15.463	149	131948	2.828	ng	99
74) Di-n-butylphthalate	18.363	149	376814	7.298	ng	99
75) Fluoranthene	19.445	202	187625	2.250	ng	82
78) Pyrene	19.810	202	297782	2.643	ng	99
80) Butylbenzylphthalate	20.709	149	99893	6.771	ng	96
81) Benzo(a)anthracene	21.557	228	273134	2.513	ng	99
83) Chrysene	21.615	228	329293m	3.157	ng	
84) Bis(2-ethylhexyl)phtha...	21.492	149	354822	8.047	ng	96
88) Benzo(b)fluoranthene	23.280	252	303466	2.981	ng	# 76

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

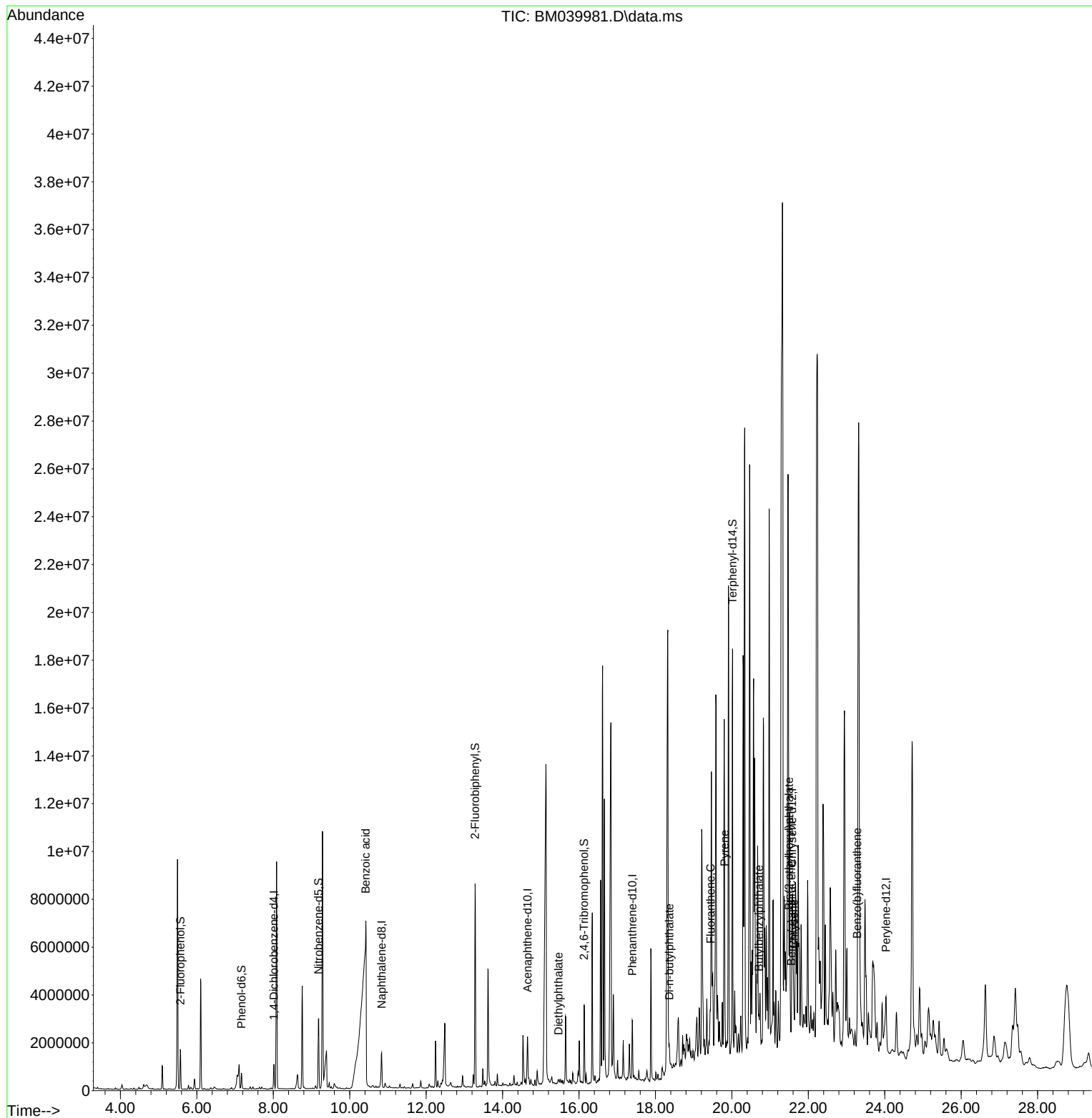
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM052423\
Data File : BM039981.D
Acq On : 24 May 2023 13:20
Operator : CG/JU
Sample : 02824-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

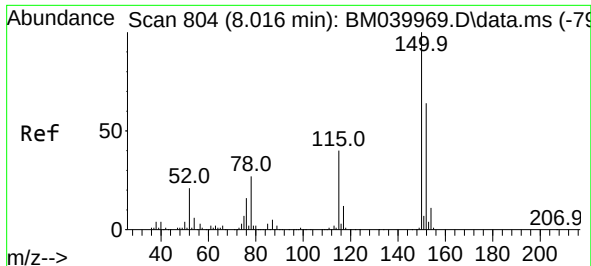
Instrument :
BNA_M
ClientSampleId :
EFF-WW

Quant Time: May 24 14:12:03 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
APPROVED

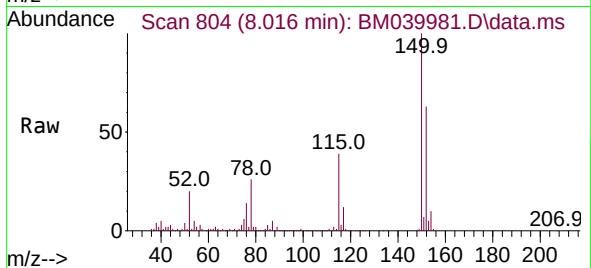
Reviewed By : Christian Giraldo 05/25/2023
Supervised By : Jagrut Upadhyay 05/25/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.016 min Scan# 804
Delta R.T. 0.000 min
Lab File: BM039981.D
Acq: 24 May 2023 13:20

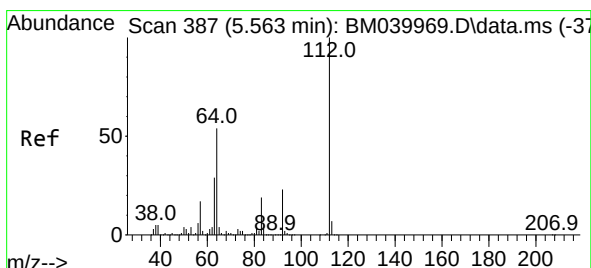
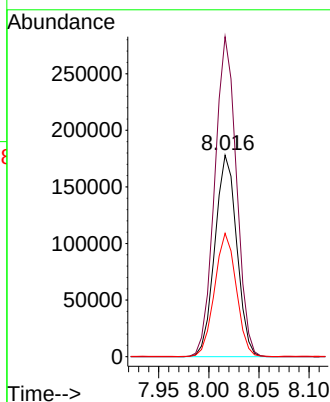
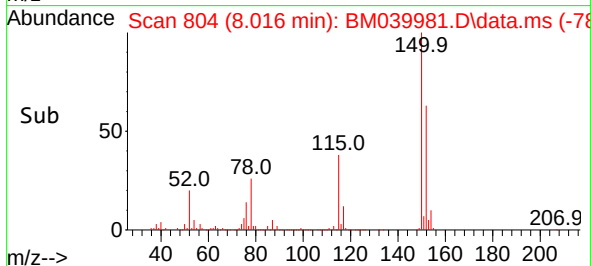
Instrument :
BNA_M
ClientSampleId :
EFF-WW



Tgt Ion:152 Resp: 270140
Ion Ratio Lower Upper
152 100
150 158.8 125.5 188.3
115 61.2 50.2 75.2

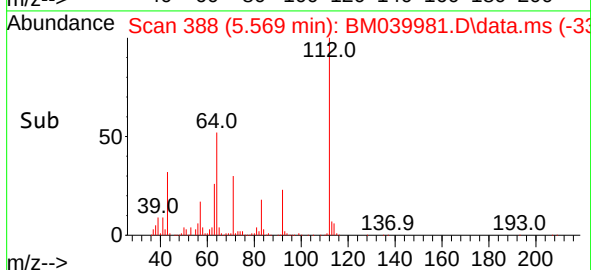
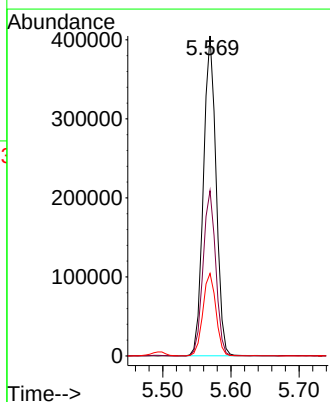
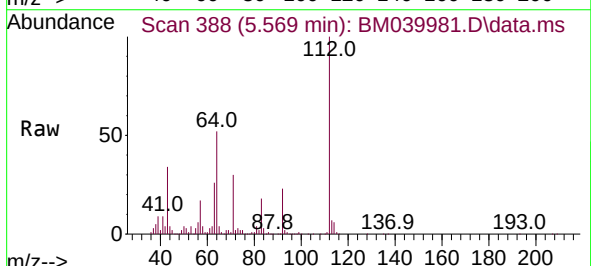
Manual Integrations
APPROVED

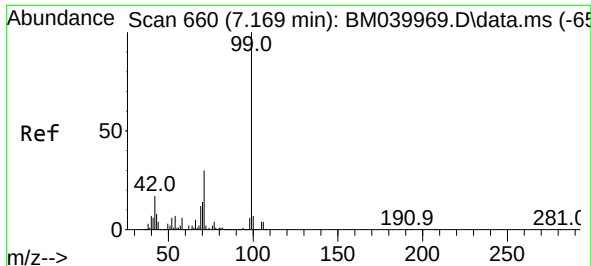
Reviewed By :Christian Giraldo 05/25/2023
Supervised By :Jagrut Upadhyay 05/25/2023



#5
2-Fluorophenol
Concen: 29.675 ng
RT: 5.569 min Scan# 388
Delta R.T. 0.006 min
Lab File: BM039981.D
Acq: 24 May 2023 13:20

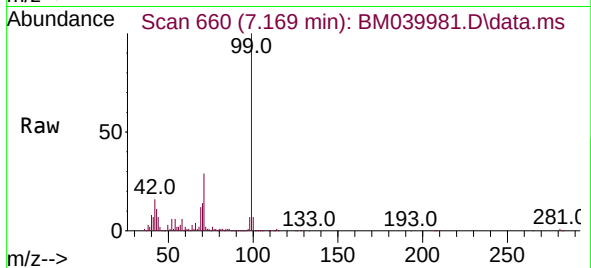
Tgt Ion:112 Resp: 522607
Ion Ratio Lower Upper
112 100
64 51.6 43.0 64.4
63 25.8 22.9 34.3





#7
Phenol-d6
Concen: 16.745 ng
RT: 7.169 min Scan# 660
Delta R.T. 0.000 min
Lab File: BM039981.D
Acq: 24 May 2023 13:20

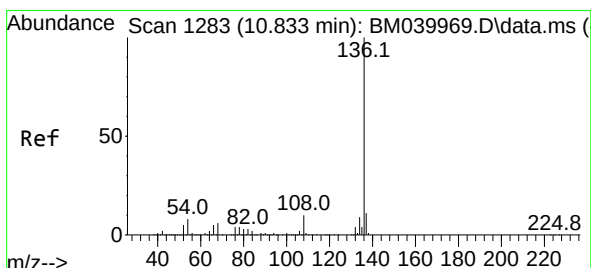
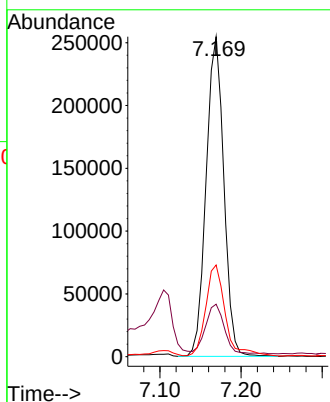
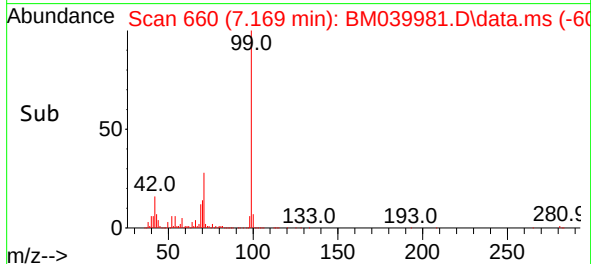
Instrument :
BNA_M
ClientSampleId :
EFF-WW



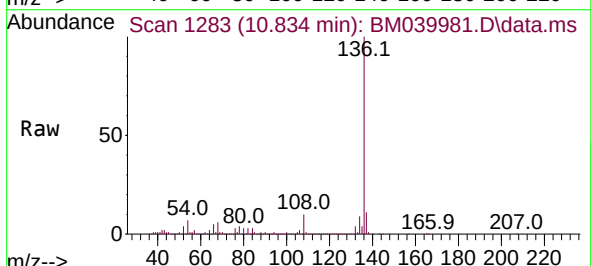
Tgt Ion: 99 Resp: 384690
Ion Ratio Lower Upper
99 100
42 16.4 13.8 20.6
71 28.6 24.4 36.6

Manual Integrations
APPROVED

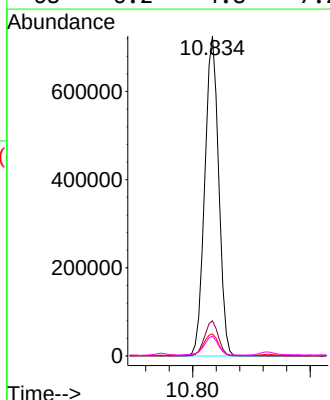
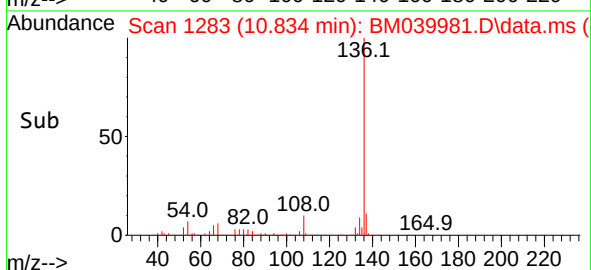
Reviewed By :Christian Giraldo 05/25/2023
Supervised By :Jagrut Upadhyay 05/25/2023

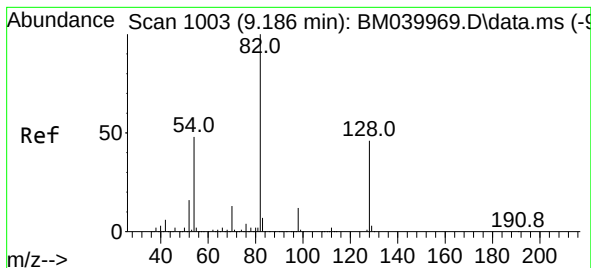


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.834 min Scan# 1283
Delta R.T. 0.001 min
Lab File: BM039981.D
Acq: 24 May 2023 13:20



Tgt Ion:136 Resp: 1187169
Ion Ratio Lower Upper
136 100
137 11.0 8.7 13.1
54 6.9 6.1 9.1
68 6.2 4.8 7.2





#23

Nitrobenzene-d5

Concen: 76.093 ng

RT: 9.181 min Scan# 1003

Delta R.T. -0.005 min

Lab File: BM039981.D

Acq: 24 May 2023 13:20

Instrument :

BNA_M

ClientSampleId :

EFF-WW

Tgt Ion: 82 Resp: 1674119

Ion Ratio Lower Upper

82 100

128 47.4 36.5 54.7

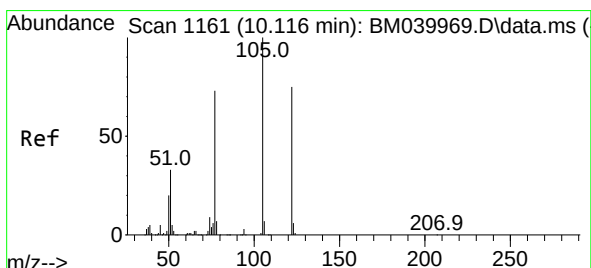
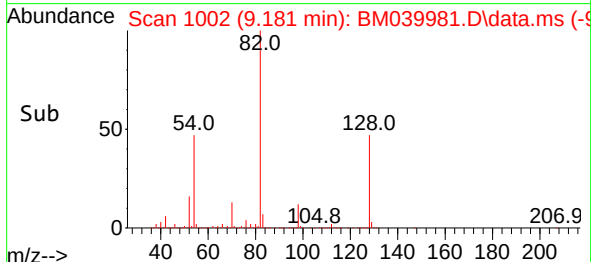
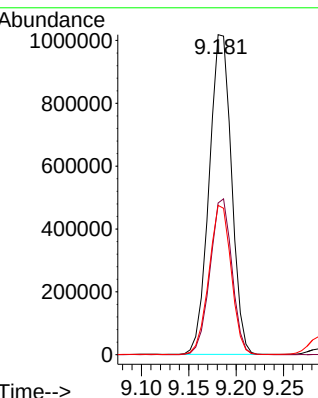
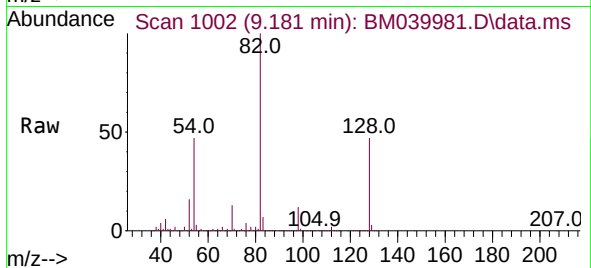
54 46.7 38.3 57.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/25/2023

Supervised By :Jagrut Upadhyay 05/25/2023



#32

Benzoic acid

Concen: 734.943 ng m

RT: 10.416 min Scan# 1212

Delta R.T. 0.300 min

Lab File: BM039981.D

Acq: 24 May 2023 13:20

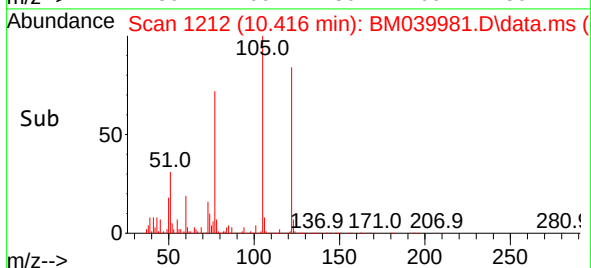
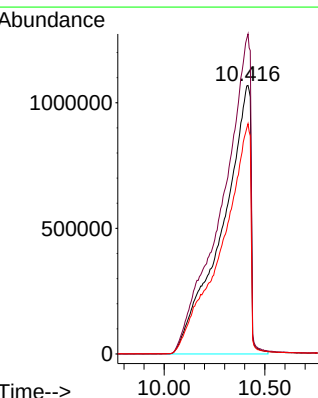
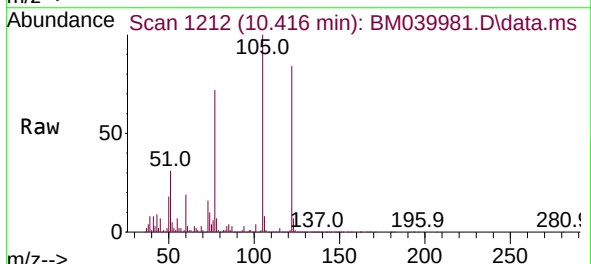
Tgt Ion:122 Resp:10524713

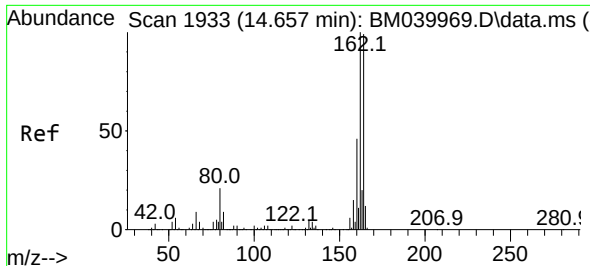
Ion Ratio Lower Upper

122 100

105 119.2 106.0 146.0

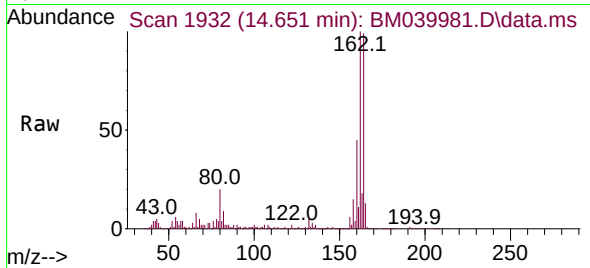
77 85.8 74.7 114.7





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.651 min Scan# 1932
Delta R.T. -0.006 min
Lab File: BM039981.D
Acq: 24 May 2023 13:20

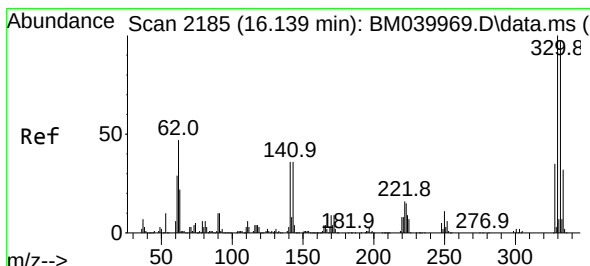
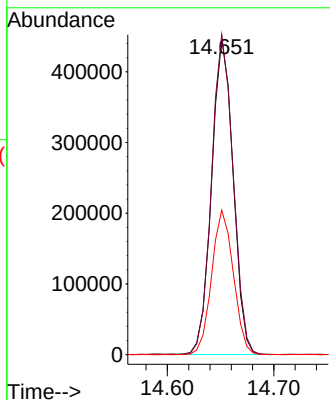
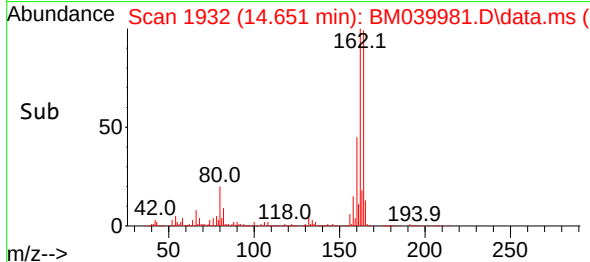
Instrument :
BNA_M
ClientSampleId :
EFF-WW



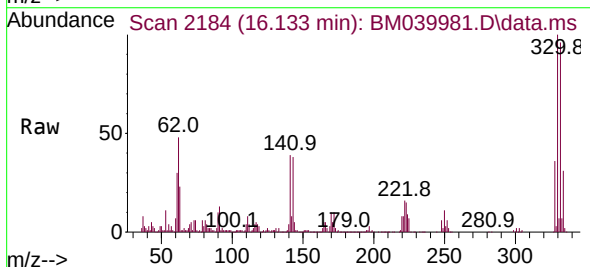
Tgt Ion:164 Resp: 626075
Ion Ratio Lower Upper
164 100
162 101.2 80.6 120.8
160 45.7 36.7 55.1

Manual Integrations
APPROVED

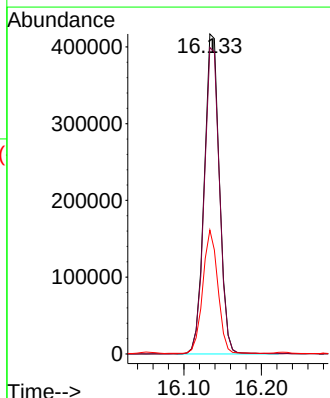
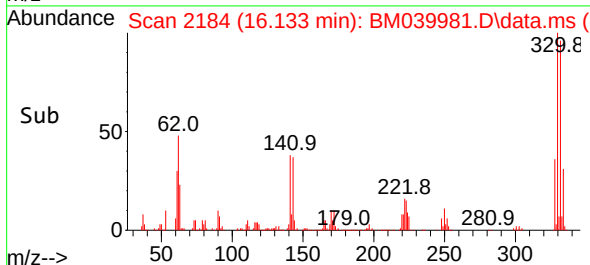
Reviewed By :Christian Giraldo 05/25/2023
Supervised By :Jagrut Upadhyay 05/25/2023

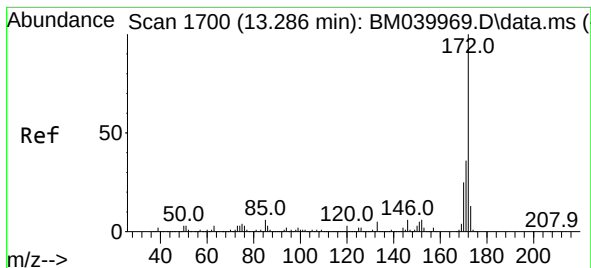


#42
2,4,6-Tribromophenol
Concen: 69.862 ng
RT: 16.133 min Scan# 2184
Delta R.T. -0.006 min
Lab File: BM039981.D
Acq: 24 May 2023 13:20



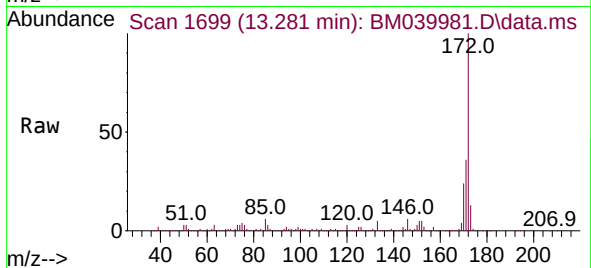
Tgt Ion:330 Resp: 567698
Ion Ratio Lower Upper
330 100
332 96.5 77.4 116.2
141 38.1 31.6 47.4





#45
2-Fluorobiphenyl
Concen: 77.946 ng
RT: 13.281 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM039981.D
Acq: 24 May 2023 13:20

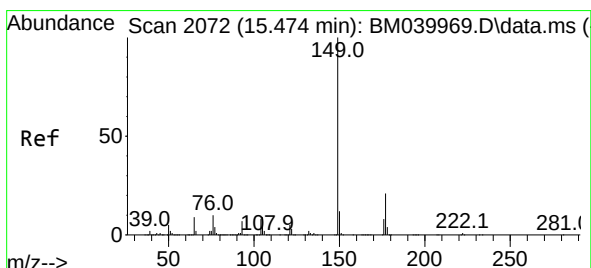
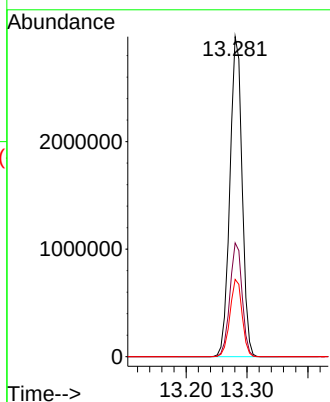
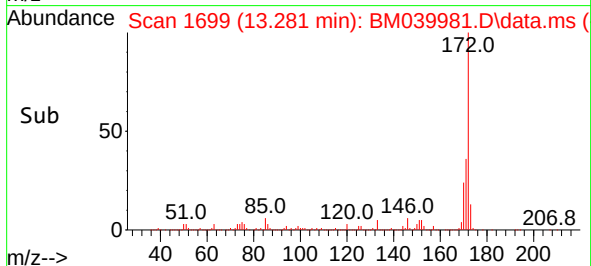
Instrument :
BNA_M
ClientSampleId :
EFF-WW



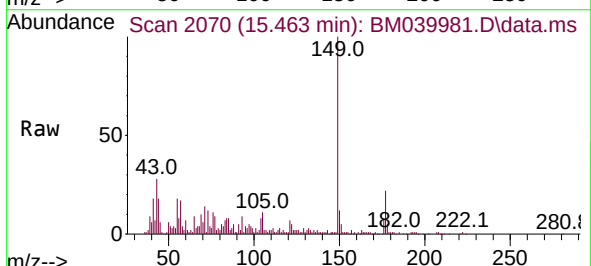
Tgt Ion:172 Resp: 413740
Ion Ratio Lower Upper
172 100
171 35.5 28.8 43.2
170 24.2 19.6 29.4

Manual Integrations
APPROVED

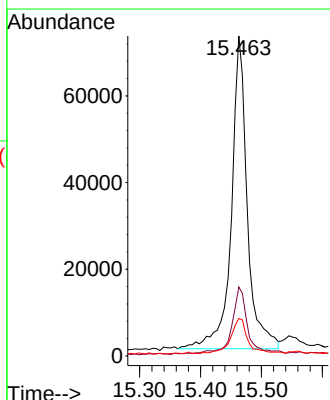
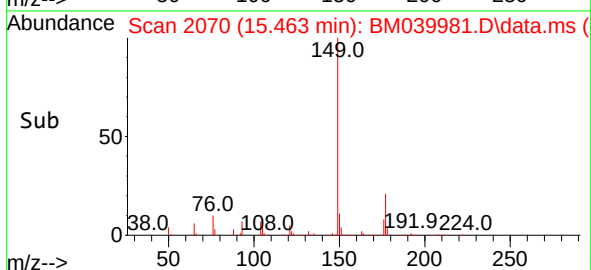
Reviewed By :Christian Giraldo 05/25/2023
Supervised By :Jagrut Upadhyay 05/25/2023

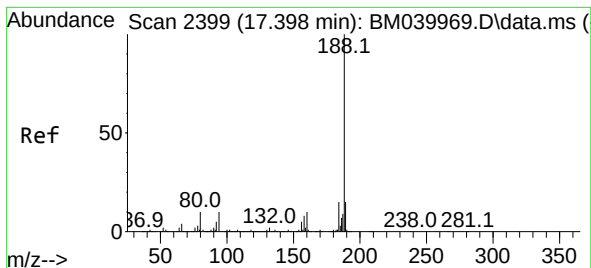


#60
Diethylphthalate
Concen: 2.828 ng
RT: 15.463 min Scan# 2070
Delta R.T. -0.011 min
Lab File: BM039981.D
Acq: 24 May 2023 13:20



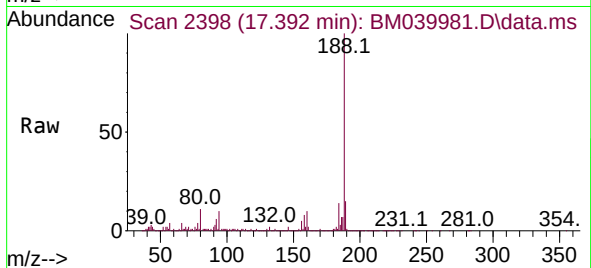
Tgt Ion:149 Resp: 131948
Ion Ratio Lower Upper
149 100
177 21.6 16.8 25.2
150 11.7 9.5 14.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.392 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM039981.D
Acq: 24 May 2023 13:20

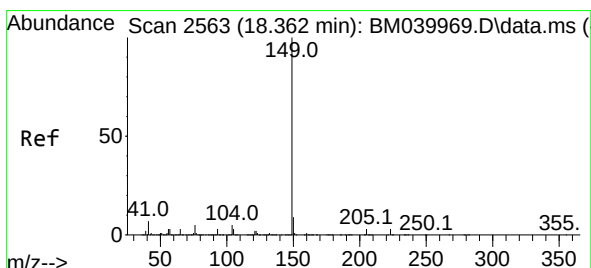
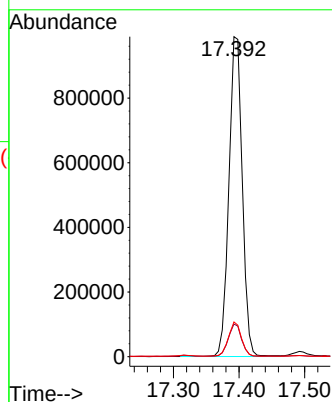
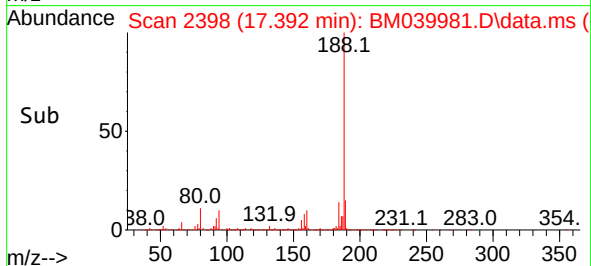
Instrument :
BNA_M
ClientSampleId :
EFF-WW



Tgt Ion:188 Resp: 139858
Ion Ratio Lower Upper
188 100
94 10.2 7.8 11.8
80 10.8 8.2 12.4

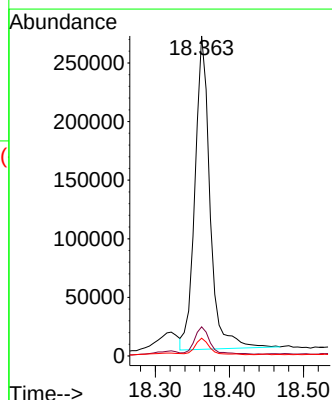
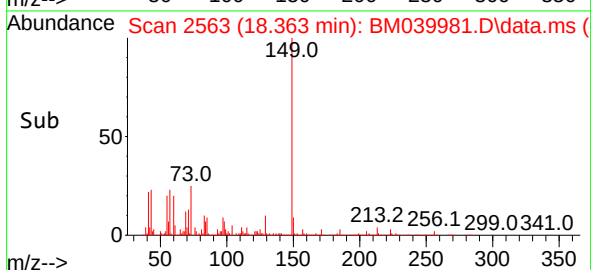
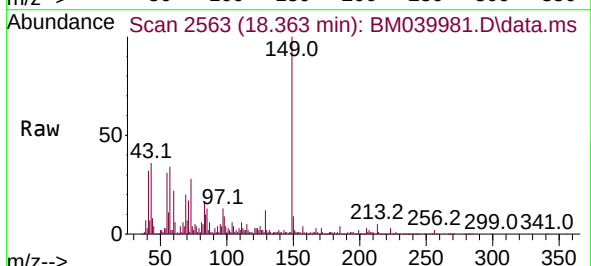
Manual Integrations
APPROVED

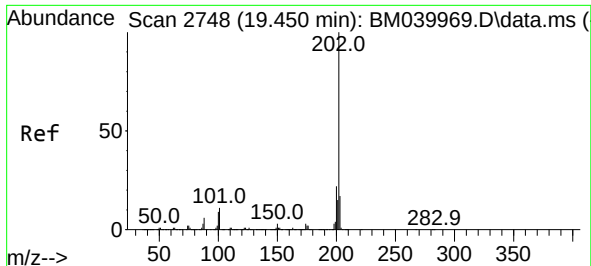
Reviewed By :Christian Giraldo 05/25/2023
Supervised By :Jagrut Upadhyay 05/25/2023



#74
Di-n-butylphthalate
Concen: 7.298 ng
RT: 18.363 min Scan# 2563
Delta R.T. 0.001 min
Lab File: BM039981.D
Acq: 24 May 2023 13:20

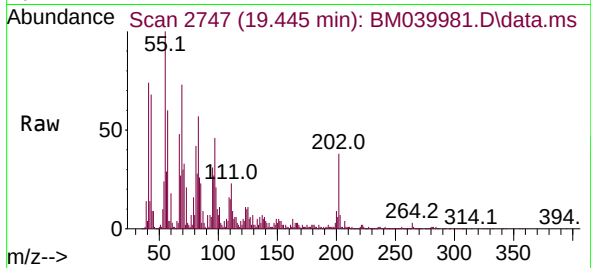
Tgt Ion:149 Resp: 376814
Ion Ratio Lower Upper
149 100
150 9.1 7.4 11.2
104 5.6 4.2 6.2





#75
Fluoranthene
Concen: 2.250 ng
RT: 19.445 min Scan# 21
Delta R.T. -0.005 min
Lab File: BM039981.D
Acq: 24 May 2023 13:20

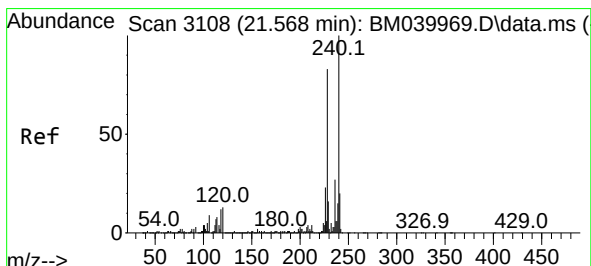
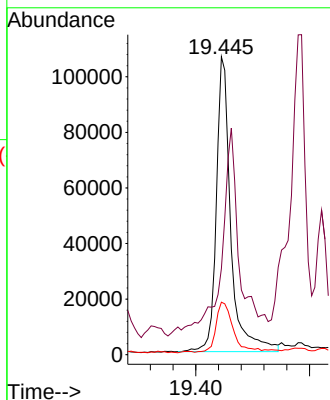
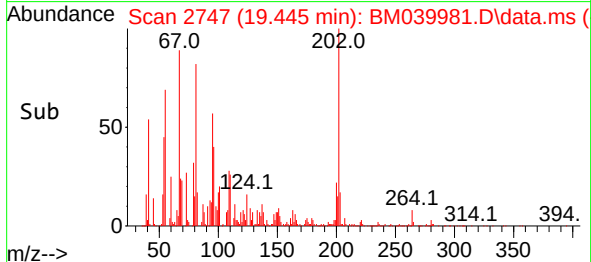
Instrument :
BNA_M
ClientSampleId :
EFF-WW



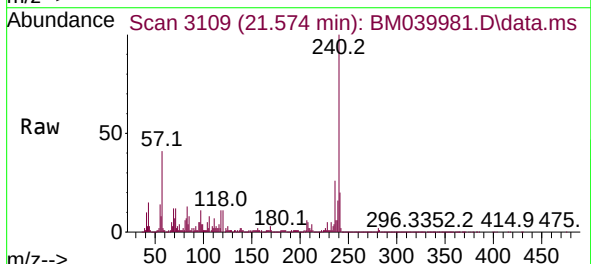
Tgt Ion:202 Resp: 18762
Ion Ratio Lower Upper
202 100
101 28.9 0.0 31.3
203 17.6 0.0 37.5

Manual Integrations
APPROVED

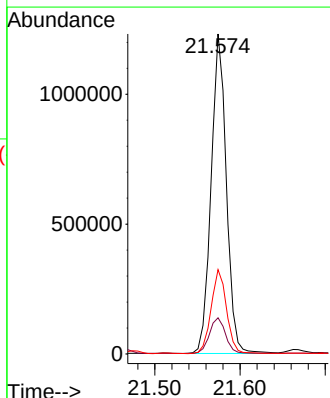
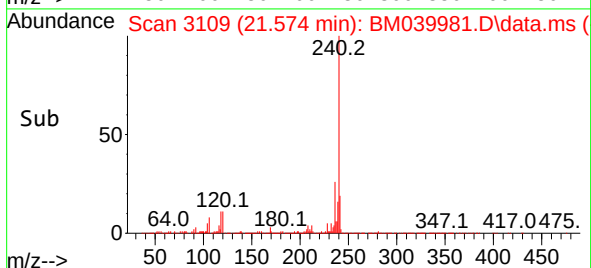
Reviewed By :Christian Giraldo 05/25/2023
Supervised By :Jagrut Upadhyay 05/25/2023

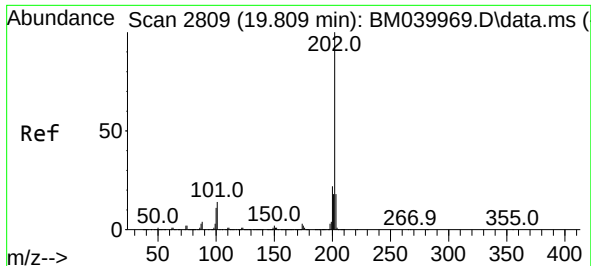


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.574 min Scan# 3109
Delta R.T. 0.006 min
Lab File: BM039981.D
Acq: 24 May 2023 13:20



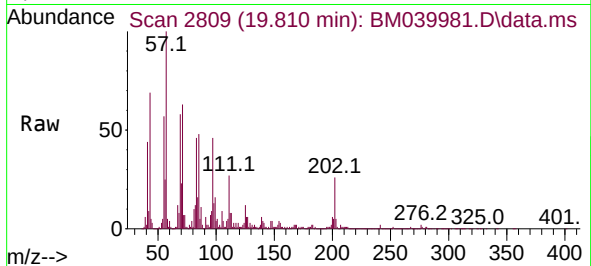
Tgt Ion:240 Resp: 1535539
Ion Ratio Lower Upper
240 100
120 11.3 10.1 15.1
236 26.3 21.3 31.9





#78
Pyrene
Concen: 2.643 ng
RT: 19.810 min Scan# 2809
Delta R.T. 0.001 min
Lab File: BM039981.D
Acq: 24 May 2023 13:20

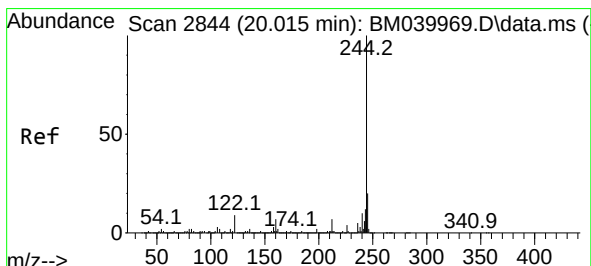
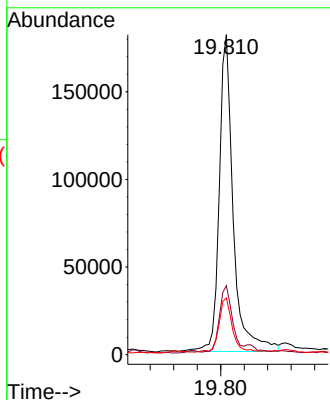
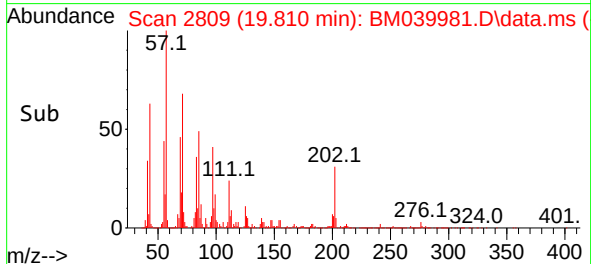
Instrument :
BNA_M
ClientSampleId :
EFF-WW



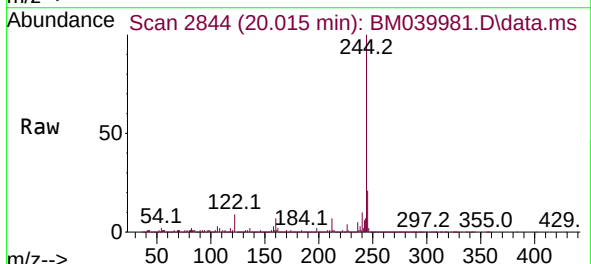
Tgt Ion:202 Resp: 297782
Ion Ratio Lower Upper
202 100
200 21.6 17.6 26.4
203 17.7 14.1 21.1

Manual Integrations
APPROVED

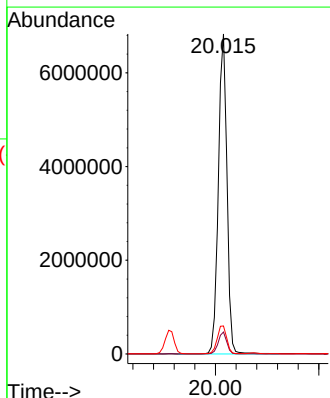
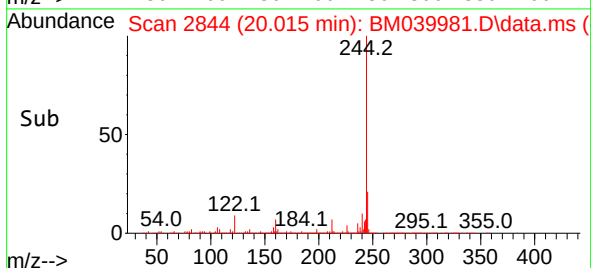
Reviewed By :Christian Giraldo 05/25/2023
Supervised By :Jagrut Upadhyay 05/25/2023

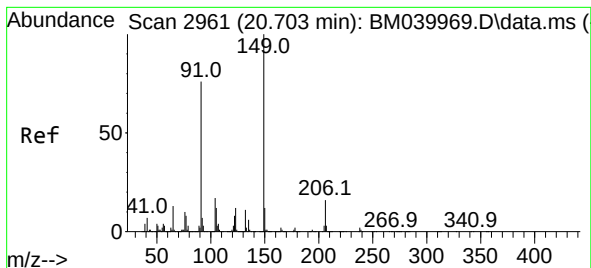


#79
Terphenyl-d14
Concen: 79.632 ng
RT: 20.015 min Scan# 2844
Delta R.T. 0.000 min
Lab File: BM039981.D
Acq: 24 May 2023 13:20



Tgt Ion:244 Resp: 7875190
Ion Ratio Lower Upper
244 100
212 6.8 5.4 8.0
122 8.8 7.1 10.7





#80
Butylbenzylphthalate
Concen: 6.771 ng
RT: 20.709 min Scan# 2961
Delta R.T. 0.006 min
Lab File: BM039981.D
Acq: 24 May 2023 13:20

Instrument :

BNA_M

ClientSampleId :

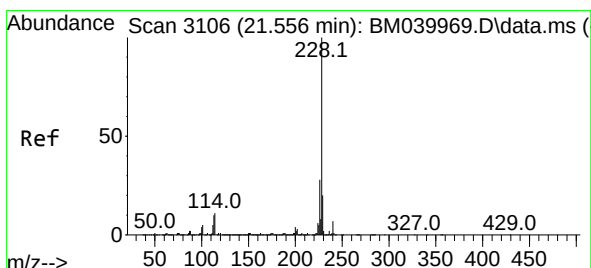
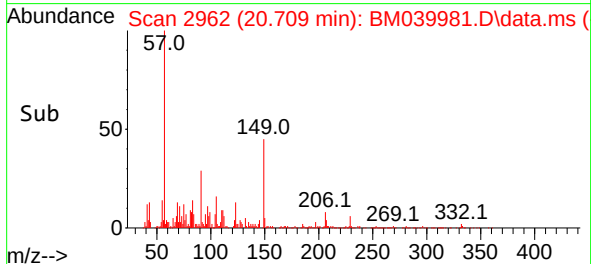
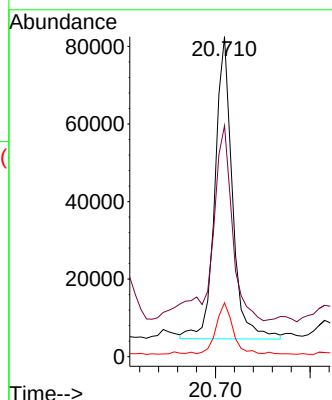
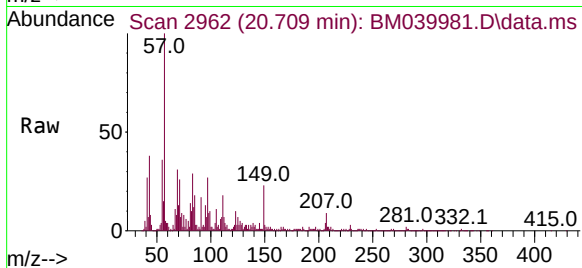
EFF-WW

Tgt Ion:149 Resp: 9989
Ion Ratio Lower Upper
149 100
91 72.2 61.0 91.4
206 16.8 12.7 19.1

Manual Integrations

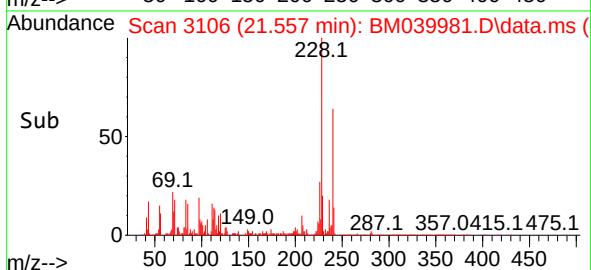
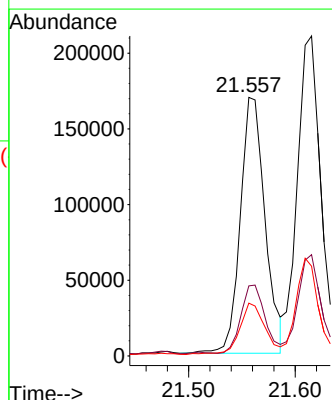
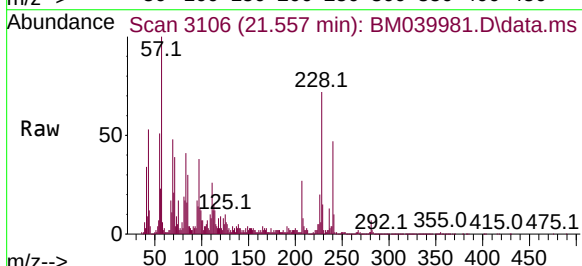
APPROVED

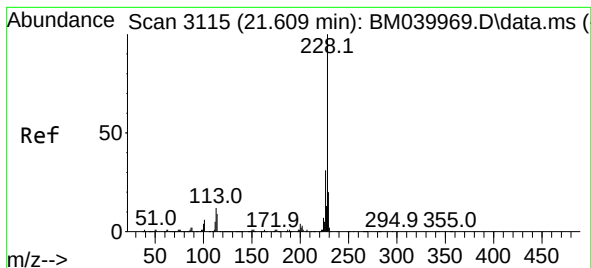
Reviewed By :Christian Giraldo 05/25/2023
Supervised By :Jagrut Upadhyay 05/25/2023



#81
Benzo(a)anthracene
Concen: 2.513 ng
RT: 21.557 min Scan# 3106
Delta R.T. 0.000 min
Lab File: BM039981.D
Acq: 24 May 2023 13:20

Tgt Ion:228 Resp: 273134
Ion Ratio Lower Upper
228 100
226 27.1 22.2 33.4
229 20.4 15.8 23.6





#83

Chrysene

Concen: 3.157 ng m

RT: 21.615 min Scan# 3115

Delta R.T. 0.006 min

Lab File: BM039981.D

Acq: 24 May 2023 13:20

Instrument :

BNA_M

ClientSampleId :

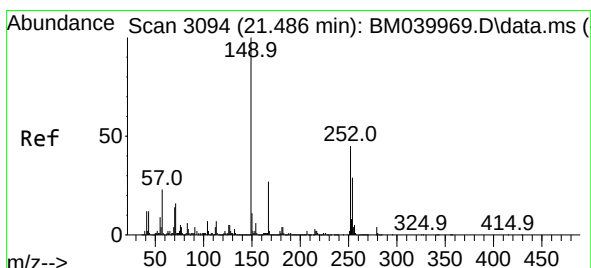
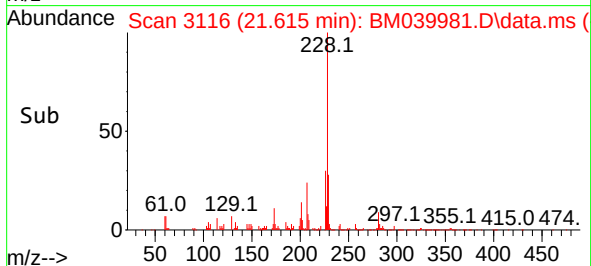
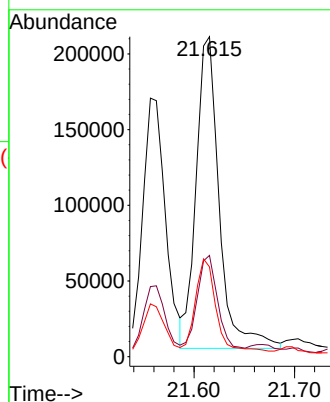
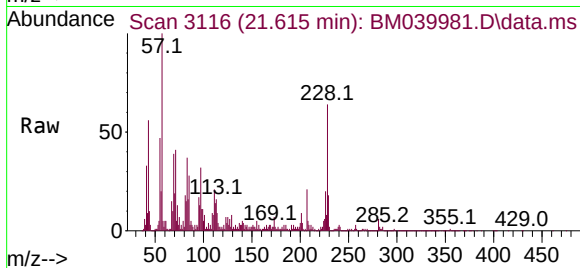
EFF-WW

Tgt Ion:	228	Resp:	32929
Ion Ratio	Lower	Upper	
228	100		
226	31.7	24.5	36.7
229	28.1	15.9	23.9

Manual Integrations

APPROVED

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



#84

Bis(2-ethylhexyl)phthalate

Concen: 8.047 ng

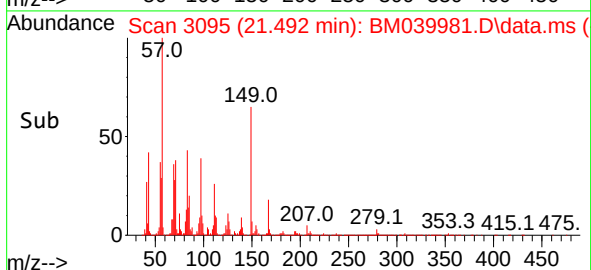
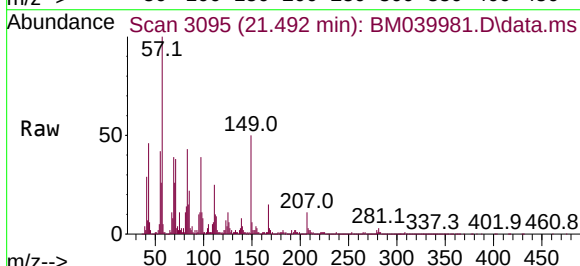
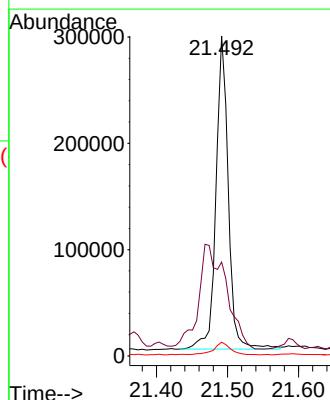
RT: 21.492 min Scan# 3095

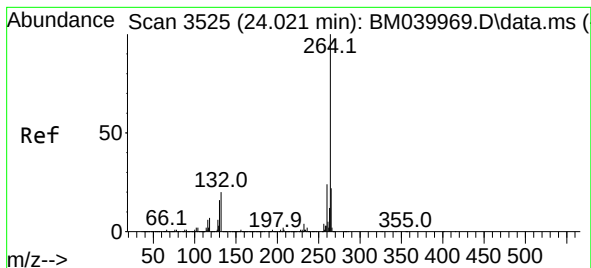
Delta R.T. 0.006 min

Lab File: BM039981.D

Acq: 24 May 2023 13:20

Tgt Ion:	149	Resp:	354822
Ion Ratio	Lower	Upper	
149	100		
167	29.4	21.4	32.2
279	4.3	3.3	4.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.033 min Scan# 3

Delta R.T. 0.012 min

Lab File: BM039981.D

Acq: 24 May 2023 13:20

Instrument :

BNA_M

ClientSampleId :

EFF-WW

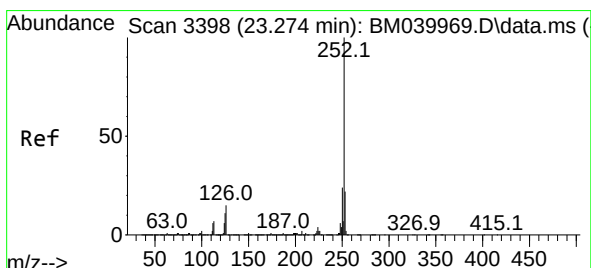
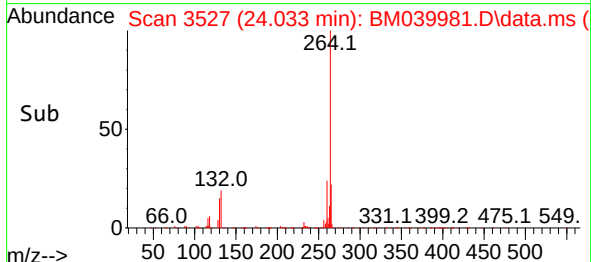
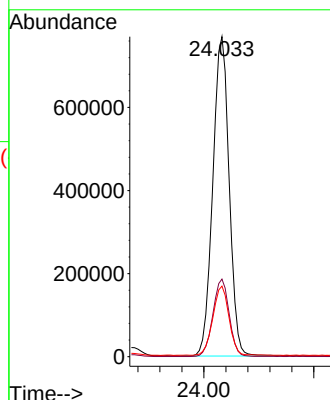
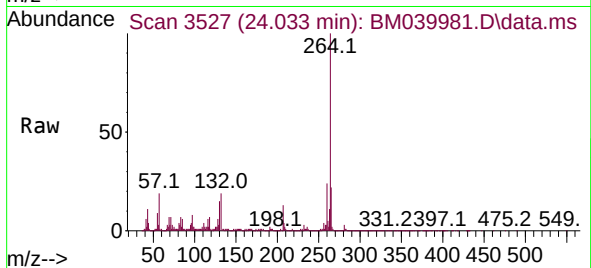
Tgt Ion:264 Resp: 1590014

Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.5	29.3
265	22.0	17.7	26.5

Manual Integrations

APPROVED

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



#88

Benzo(b)fluoranthene

Concen: 2.981 ng

RT: 23.280 min Scan# 3399

Delta R.T. 0.006 min

Lab File: BM039981.D

Acq: 24 May 2023 13:20

Tgt Ion:252 Resp: 303466

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.6	26.4
125	36.0	8.9	13.3

