

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032723\
 Data File : BM039167.D
 Acq On : 27 Mar 2023 19:16
 Operator : CG/JU
 Sample : 01998-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 10TH-ST-SUBSTATION-TP1

Quant Time: Mar 28 01:51:55 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 28 01:46:09 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/28/2023
 Supervised By : Jagrut Upadhyay 03/28/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.945	152	253011	20.000	ng	0.00
21) Naphthalene-d8	10.757	136	986546	20.000	ng	0.00
39) Acenaphthene-d10	14.586	164	539406	20.000	ng	0.00
64) Phenanthrene-d10	17.333	188	1092733	20.000	ng	0.00
76) Chrysene-d12	21.515	240	1109635	20.000	ng	0.00
86) Perylene-d12	23.944	264	1268993	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	1995791	119.844	ng	0.00
7) Phenol-d6	7.116	99	2532385	117.073	ng	0.00
23) Nitrobenzene-d5	9.116	82	1519522	75.658	ng	0.00
42) 2,4,6-Tribromophenol	16.080	330	705818	113.111	ng	0.00
45) 2-Fluorobiphenyl	13.216	172	2954929	71.314	ng	0.00
79) Terphenyl-d14	19.956	244	4272668	70.400	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	14.651	154	71658	2.124	ng	96
71) Phenanthrene	17.374	178	1433560	22.353	ng	99
72) Anthracene	17.468	178	331734	5.187	ng	100
73) Carbazole	17.739	167	127357	2.182	ng	98
74) Di-n-butylphthalate	18.298	149	61656	2.632	ng	97
75) Fluoranthene	19.392	202	2298502	33.944	ng	99
78) Pyrene	19.756	202	2411653	28.937	ng	99
80) Butylbenzylphthalate	20.650	149	116634	6.380	ng	99
81) Benzo(a)anthracene	21.497	228	1306608	16.351	ng	98
83) Chrysene	21.550	228	1234476	15.884	ng	98
84) Bis(2-ethylhexyl)phtha...	21.421	149	216960	6.500	ng	100
87) Indeno(1,2,3-cd)pyrene	26.468	276	783405	8.113	ng	95
88) Benzo(b)fluoranthene	23.203	252	1575405	19.432	ng	# 94
89) Benzo(k)fluoranthene	23.250	252	460147m	5.454	ng	
90) Benzo(a)pyrene	23.838	252	1139992	14.611	ng	97
91) Dibenzo(a,h)anthracene	26.474	278	219539	2.685	ng	# 80
92) Benzo(g,h,i)perylene	27.244	276	787595	9.844	ng	98

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

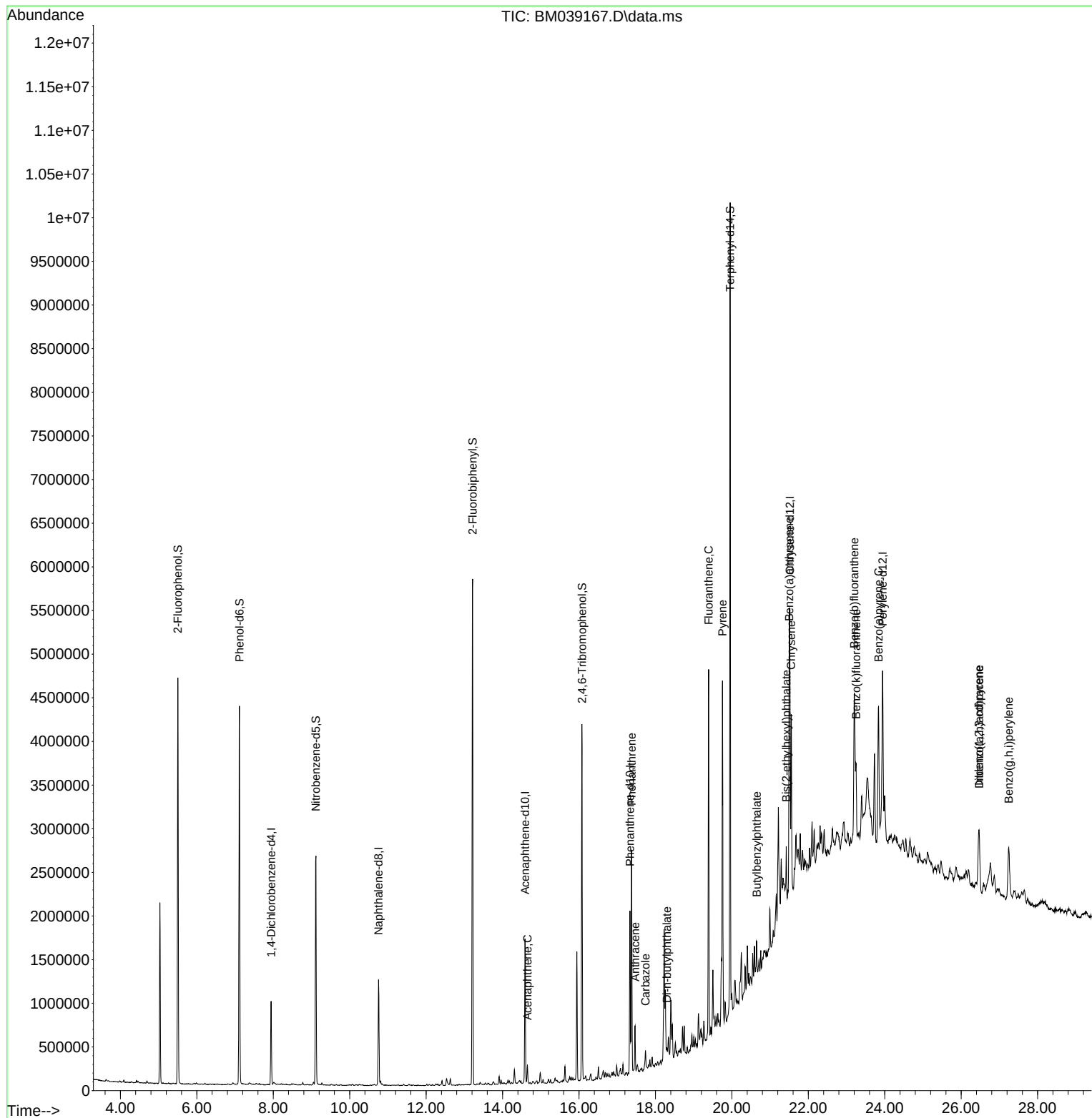
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032723\
Data File : BM039167.D
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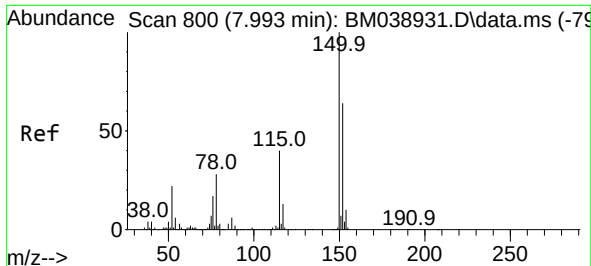
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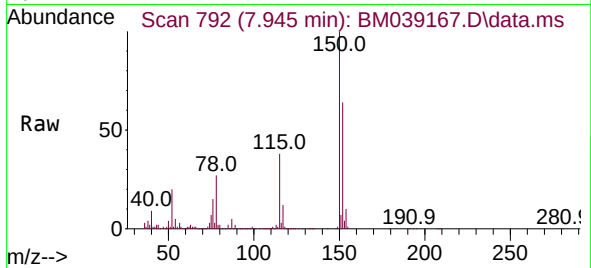
Reviewed By : Christian Giraldo 03/28/2023
Supervised By : Jagrut Upadhyay 03/28/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.945 min Scan# 79
Delta R.T. 0.000 min
Lab File: BM039167.D
Acq: 27 Mar 2023 19:16

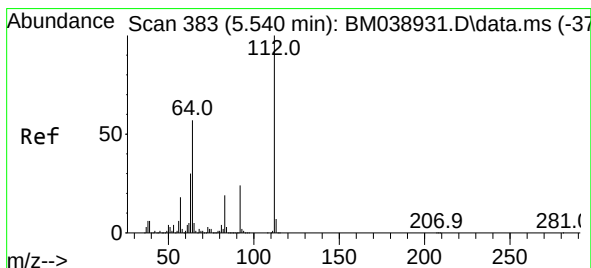
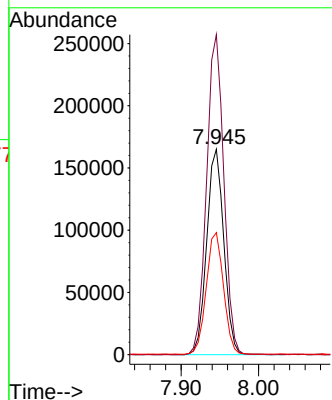
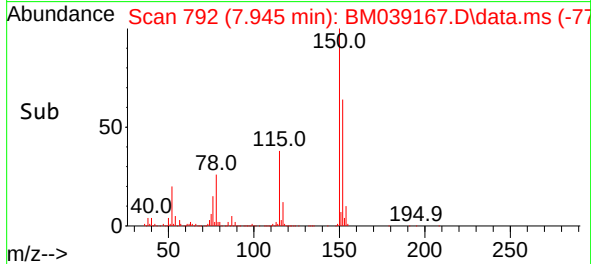
Instrument :
BNA_M
ClientSampleId :
10TH-ST-SUBSTATION-TP1



Tgt Ion:152 Resp: 25301
Ion Ratio Lower Upper
152 100
150 155.8 125.1 187.7
115 59.4 49.6 74.4

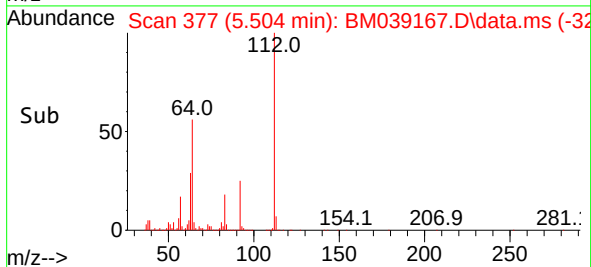
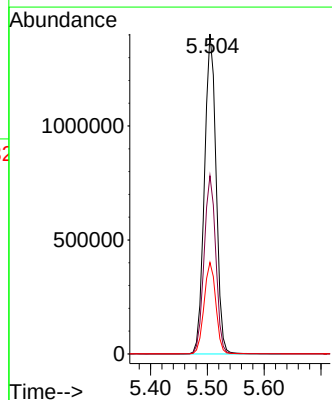
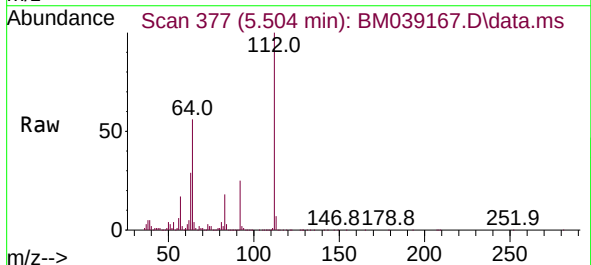
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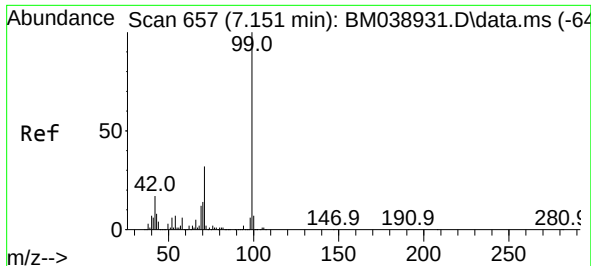
Reviewed By :Christian Giraldo 03/28/2023
Supervised By :Jagrut Upadhyay 03/28/2023



#5
2-Fluorophenol
Concen: 119.844 ng
RT: 5.504 min Scan# 377
Delta R.T. 0.006 min
Lab File: BM039167.D
Acq: 27 Mar 2023 19:16

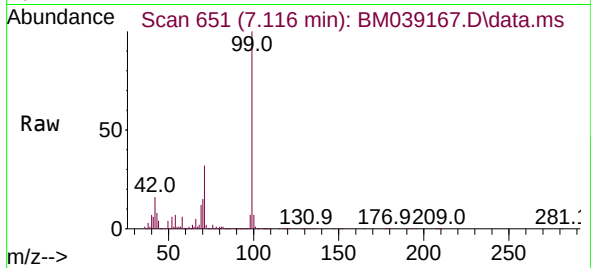
Tgt Ion:112 Resp: 1995791
Ion Ratio Lower Upper
112 100
64 55.7 45.9 68.9
63 28.6 23.8 35.8





#7
Phenol-d6
Concen: 117.073 ng
RT: 7.116 min Scan# 651
Delta R.T. 0.006 min
Lab File: BM039167.D
Acq: 27 Mar 2023 19:16

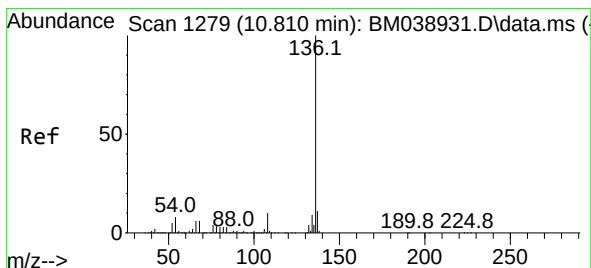
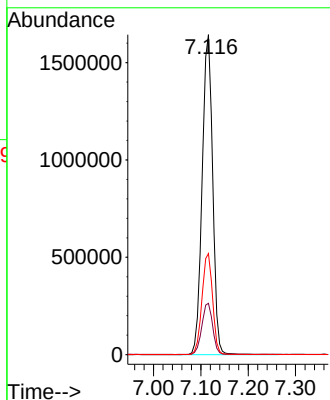
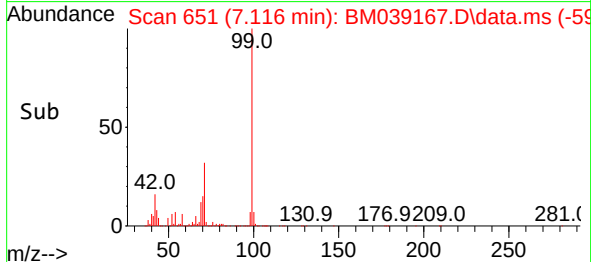
Instrument :
BNA_M
ClientSampleId :
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Tgt Ion: 99 Resp: 2532385
Ion Ratio Lower Upper
99 100
42 16.0 13.5 20.3
71 31.6 25.6 38.4

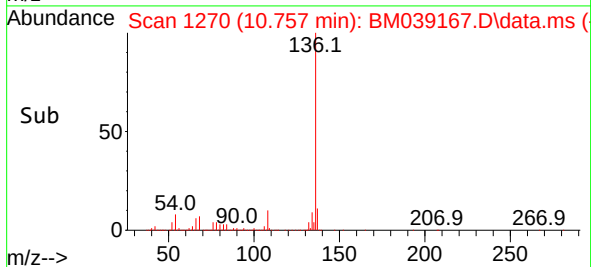
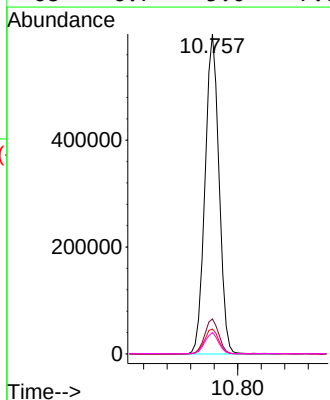
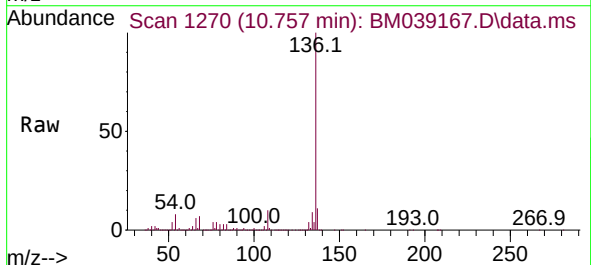
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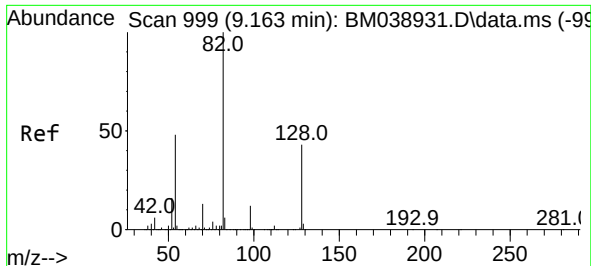
Reviewed By :Christian Giraldo 03/28/2023
Supervised By :Jagrut Upadhyay 03/28/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.757 min Scan# 1270
Delta R.T. -0.000 min
Lab File: BM039167.D
Acq: 27 Mar 2023 19:16

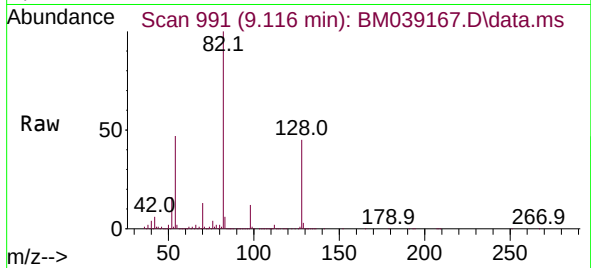
Tgt Ion:136 Resp: 986546
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 7.8 6.3 9.5
68 6.7 5.0 7.6





#23
Nitrobenzene-d5
Concen: 75.658 ng
RT: 9.116 min Scan# 999
Delta R.T. -0.000 min
Lab File: BM039167.D
Acq: 27 Mar 2023 19:16

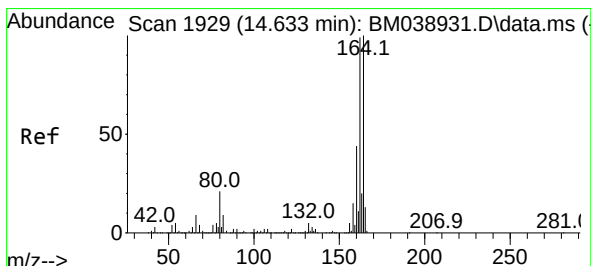
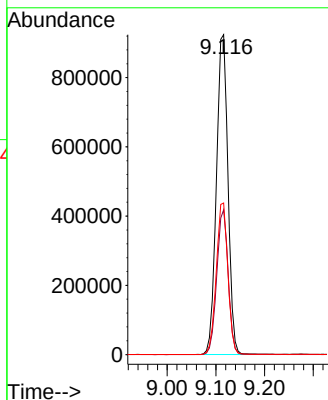
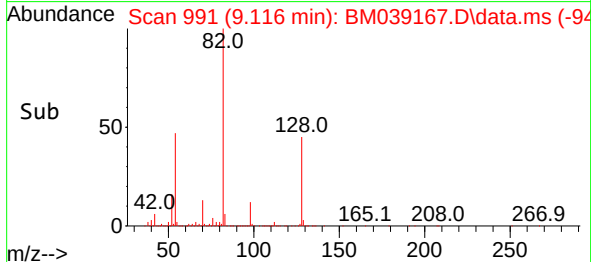
Instrument :
BNA_M
ClientSampleId :
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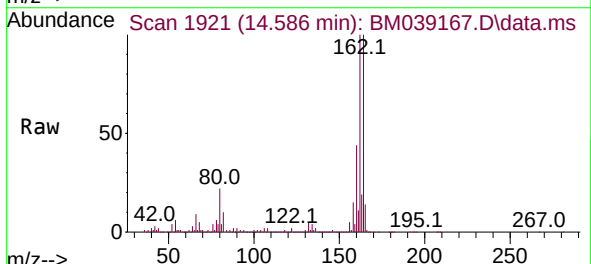
Tgt Ion: 82 Resp: 1519522
Ion Ratio Lower Upper
82 100
128 45.2 34.4 51.6
54 47.4 38.8 58.2

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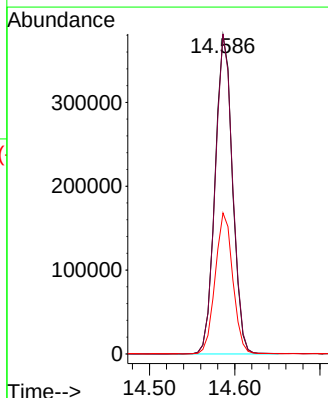
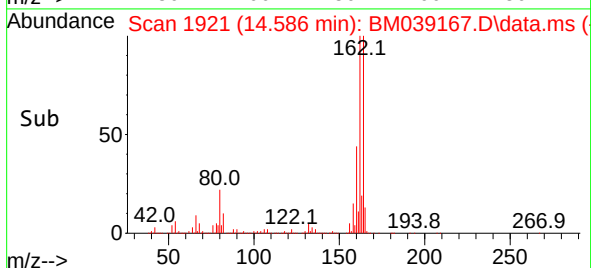
Reviewed By :Christian Giraldo 03/28/2023
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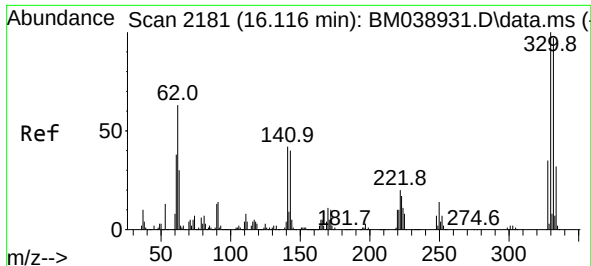


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.586 min Scan# 1921
Delta R.T. -0.006 min
Lab File: BM039167.D
Acq: 27 Mar 2023 19:16



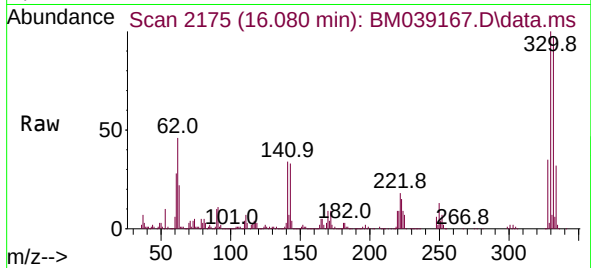
Tgt Ion:164 Resp: 539406
Ion Ratio Lower Upper
164 100
162 100.4 79.2 118.8
160 44.2 35.5 53.3





#42
2,4,6-Tribromophenol
Concen: 113.111 ng
RT: 16.080 min Scan# 2181
Delta R.T. -0.000 min
Lab File: BM039167.D
Acq: 27 Mar 2023 19:16

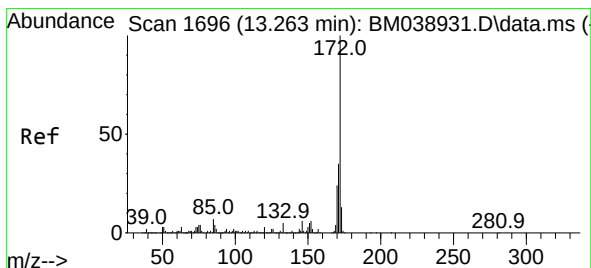
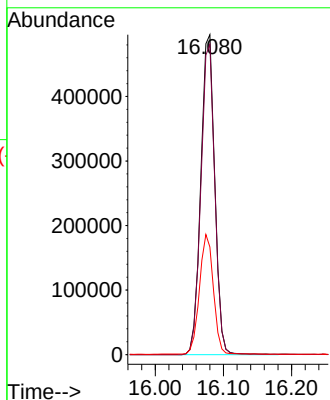
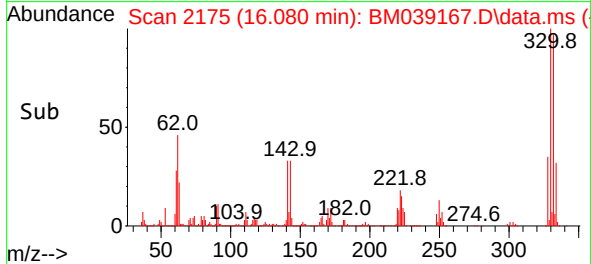
Instrument :
BNA_M
ClientSampleId :
10TH-ST-SUBSTATION-TP1



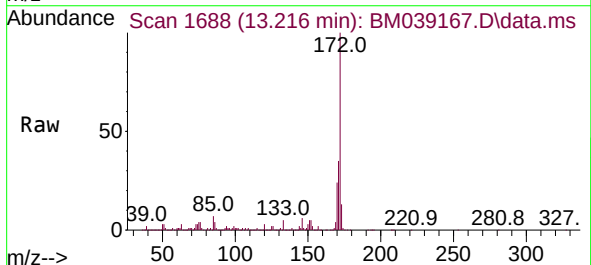
Tgt Ion:330 Resp: 705818
Ion Ratio Lower Upper
330 100
332 96.5 77.4 116.0
141 37.4 32.2 48.4

Manual Integrations
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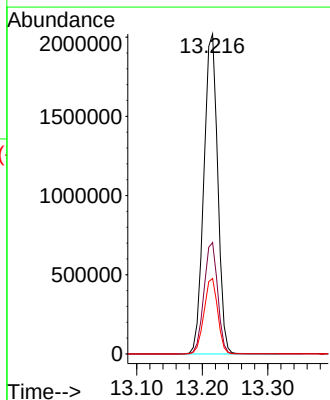
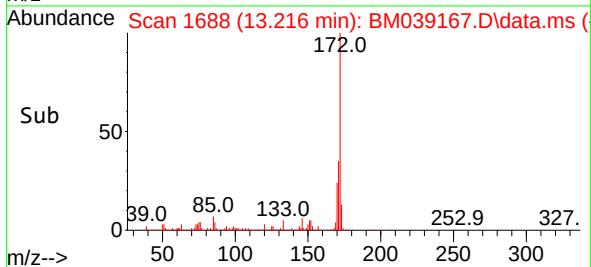
Reviewed By :Christian Giraldo 03/28/2023
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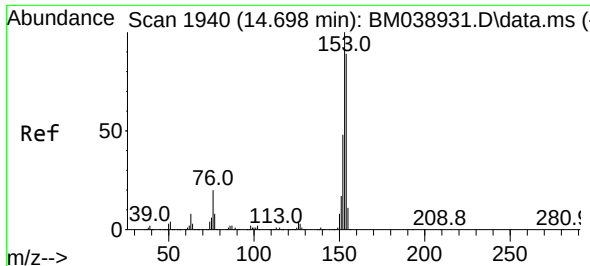


#45
2-Fluorobiphenyl
Concen: 71.314 ng
RT: 13.216 min Scan# 1688
Delta R.T. -0.000 min
Lab File: BM039167.D
Acq: 27 Mar 2023 19:16



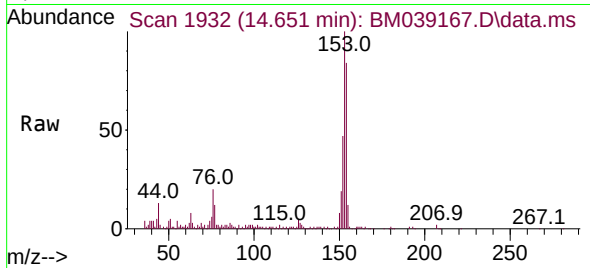
Tgt Ion:172 Resp: 2954929
Ion Ratio Lower Upper
172 100
171 34.8 28.2 42.2
170 23.6 19.1 28.7





#52
Acenaphthene
Concen: 2.124 ng
RT: 14.651 min Scan# 1940
Delta R.T. -0.006 min
Lab File: BM039167.D
Acq: 27 Mar 2023 19:16

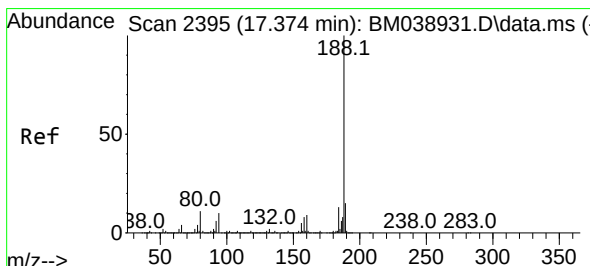
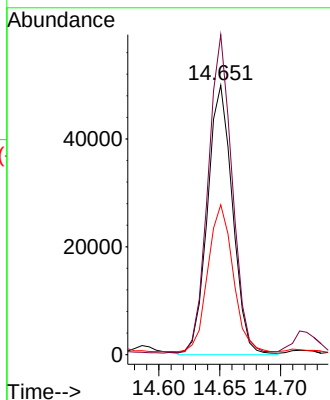
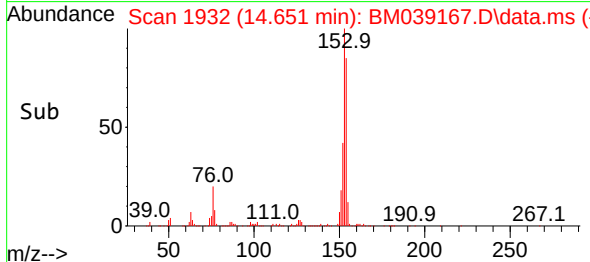
Instrument :
BNA_M
ClientSampleId :
10TH-ST-SUBSTATION-TP1



Tgt Ion:154 Resp: 71658
Ion Ratio Lower Upper
154 100
153 118.8 90.2 135.2
152 55.6 43.4 65.2

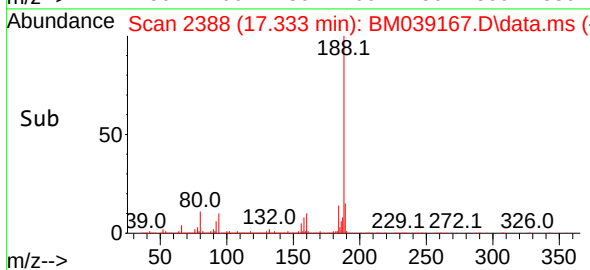
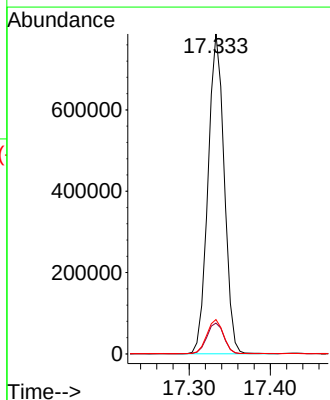
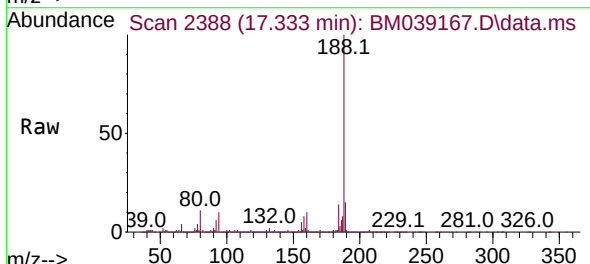
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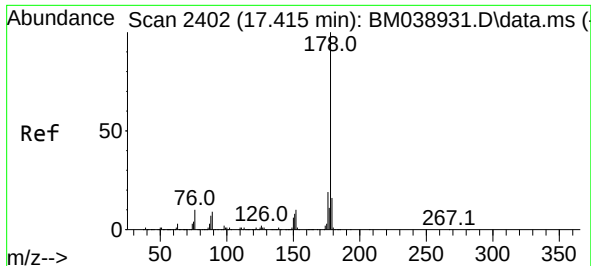
Reviewed By :Christian Giraldo 03/28/2023
Supervised By :Jagrut Upadhyay 03/28/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.333 min Scan# 2388
Delta R.T. -0.000 min
Lab File: BM039167.D
Acq: 27 Mar 2023 19:16

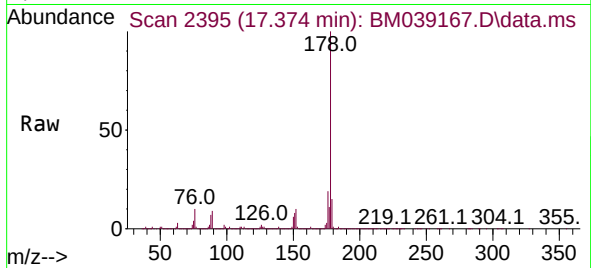
Tgt Ion:188 Resp: 1092733
Ion Ratio Lower Upper
188 100
94 9.6 7.9 11.9
80 10.7 8.5 12.7





#71
Phenanthrene
Concen: 22.353 ng
RT: 17.374 min Scan# 2402
Delta R.T. -0.006 min
Lab File: BM039167.D
Acq: 27 Mar 2023 19:16

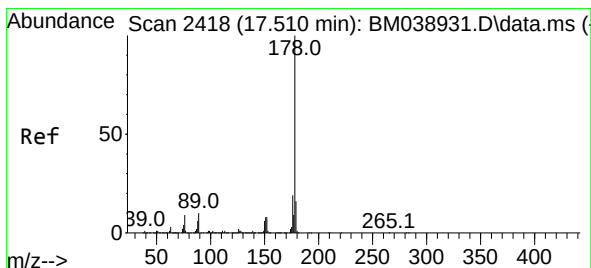
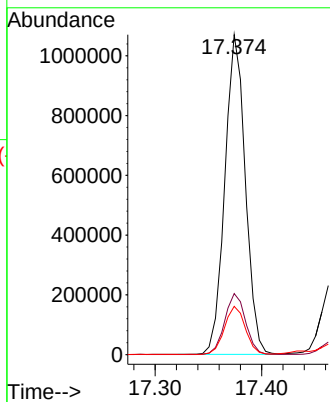
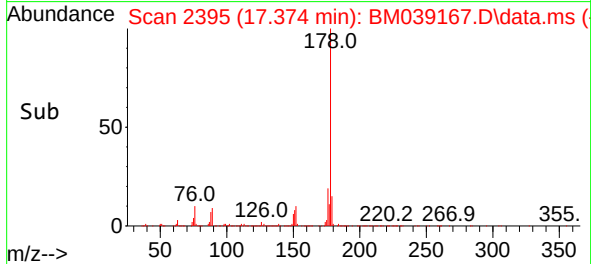
Instrument :
BNA_M
ClientSampleId :
10TH-ST-SUBSTATION-TP1



Tgt Ion:178 Resp: 1433560
Ion Ratio Lower Upper
178 100
176 19.1 15.6 23.4
179 15.1 12.5 18.7

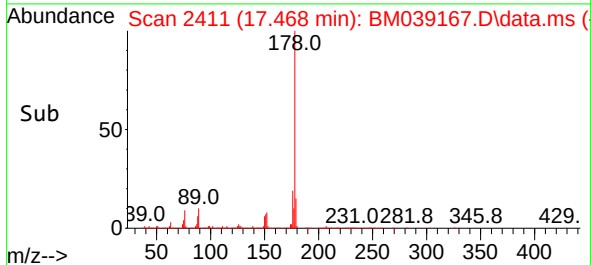
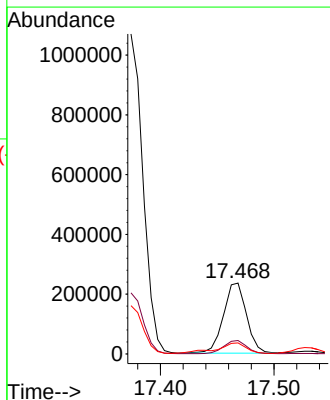
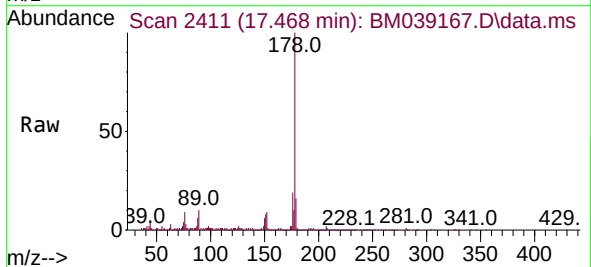
Manual Integrations
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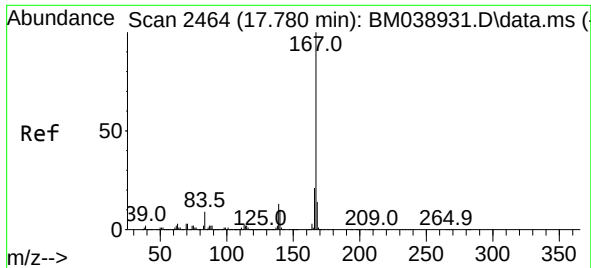
Reviewed By :Christian Giraldo 03/28/2023
Supervised By :Jagrut Upadhyay 03/28/2023



#72
Anthracene
Concen: 5.187 ng
RT: 17.468 min Scan# 2411
Delta R.T. -0.000 min
Lab File: BM039167.D
Acq: 27 Mar 2023 19:16

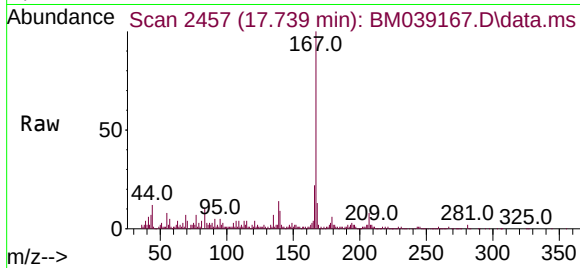
Tgt Ion:178 Resp: 331734
Ion Ratio Lower Upper
178 100
176 18.9 15.3 22.9
179 15.5 12.5 18.7





#73
Carbazole
Concen: 2.182 ng
RT: 17.739 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM039167.D
Acq: 27 Mar 2023 19:16

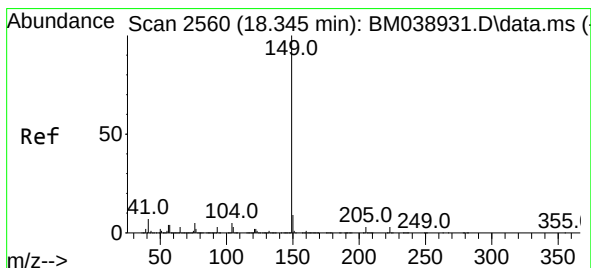
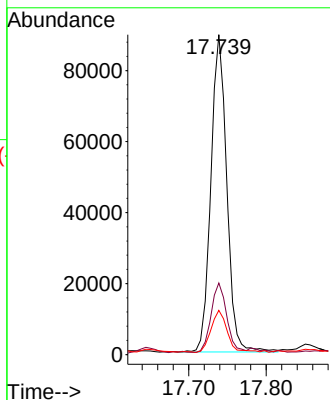
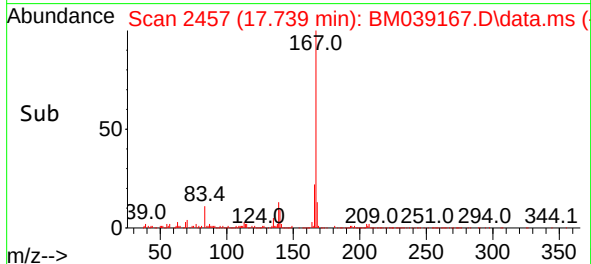
Instrument :
BNA_M
ClientSampleId :
10TH-ST-SUBSTATION-TP1



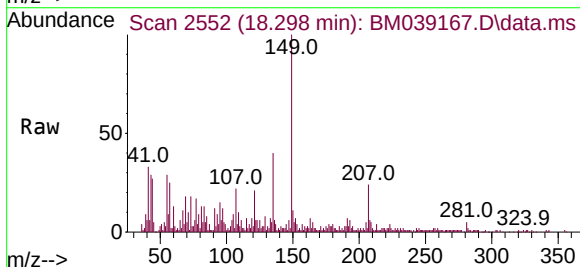
Tgt Ion:167 Resp: 12735
Ion Ratio Lower Upper
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166 22.4 17.0 25.4
139 13.8 10.3 15.5

Manual Integrations
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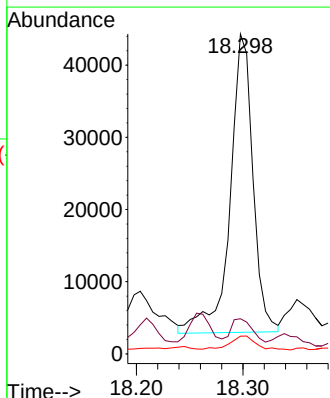
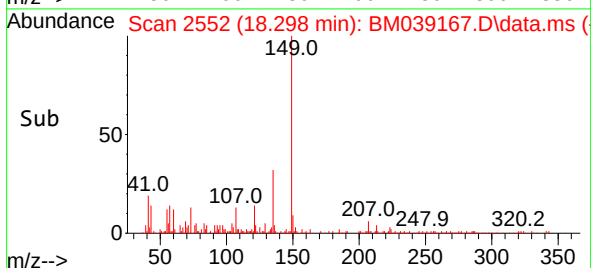
Reviewed By :Christian Giraldo 03/28/2023
Supervised By :Jagrut Upadhyay 03/28/2023

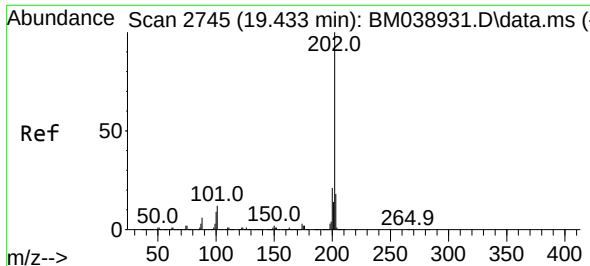


#74
Di-n-butylphthalate
Concen: 2.632 ng
RT: 18.298 min Scan# 2552
Delta R.T. -0.006 min
Lab File: BM039167.D
Acq: 27 Mar 2023 19:16



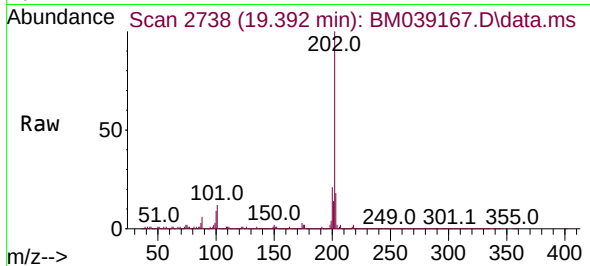
Tgt Ion:149 Resp: 61656
Ion Ratio Lower Upper
149 100
150 11.0 7.4 11.2
104 5.5 4.3 6.5





#75
Fluoranthene
Concen: 33.944 ng
RT: 19.392 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM039167.D
Acq: 27 Mar 2023 19:16

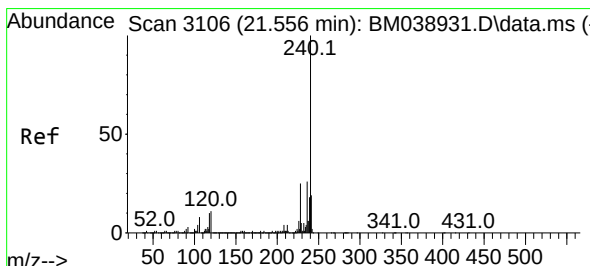
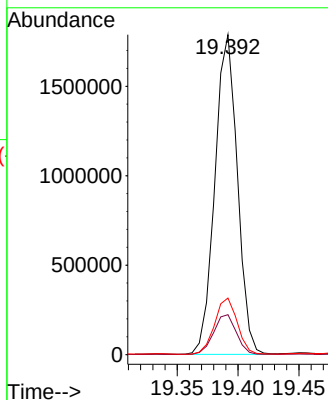
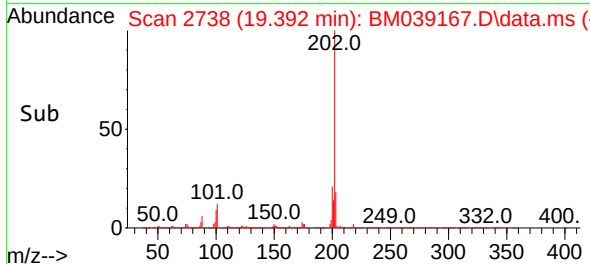
Instrument :
BNA_M
ClientSampleId :
10TH-ST-SUBSTATION-TP1



Tgt Ion:202 Resp: 2298502
Ion Ratio Lower Upper
202 100
101 12.5 0.0 31.7
203 17.7 0.0 37.6

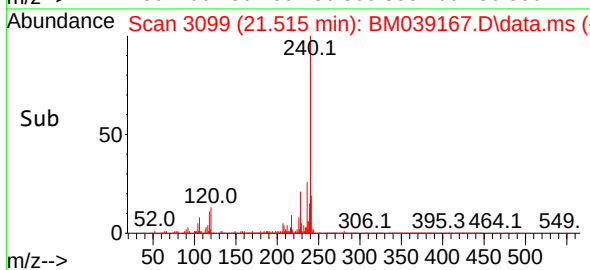
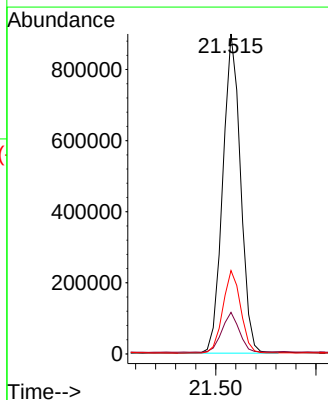
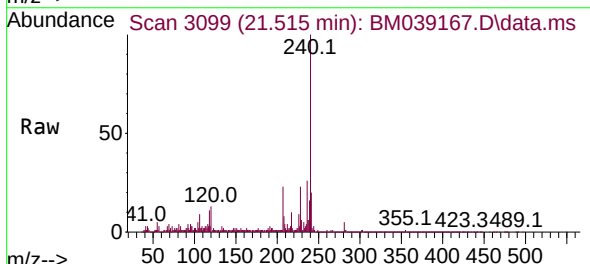
Manual Integrations
APPROVED

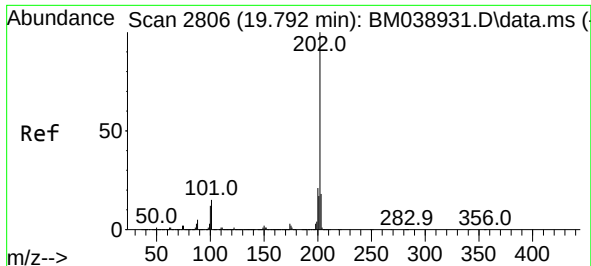
Reviewed By :Christian Giraldo 03/28/2023
Supervised By :Jagrut Upadhyay 03/28/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.515 min Scan# 3099
Delta R.T. -0.000 min
Lab File: BM039167.D
Acq: 27 Mar 2023 19:16

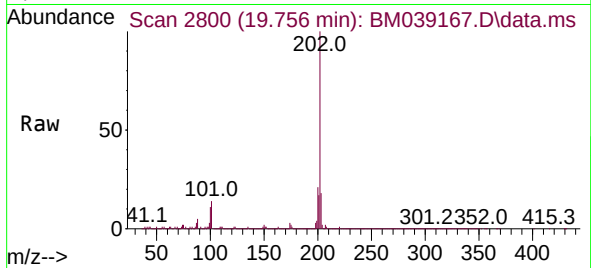
Tgt Ion:240 Resp: 1109635
Ion Ratio Lower Upper
240 100
120 13.0 9.2 13.8
236 26.0 20.8 31.2





#78
Pyrene
Concen: 28.937 ng
RT: 19.756 min Scan# 2806
Delta R.T. -0.000 min
Lab File: BM039167.D
Acq: 27 Mar 2023 19:16

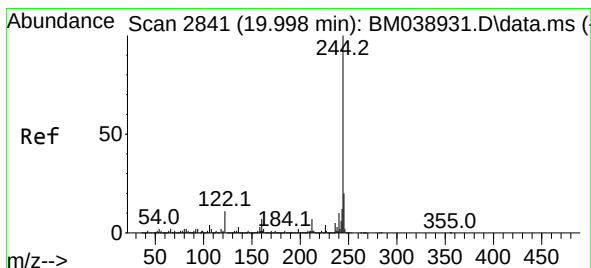
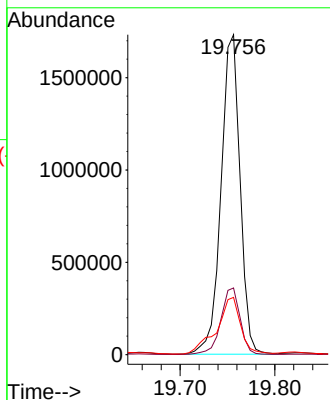
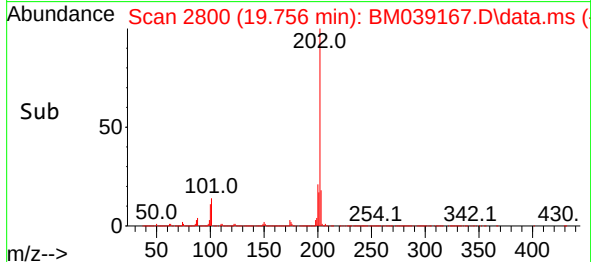
Instrument :
BNA_M
ClientSampleId :
10TH-ST-SUBSTATION-TP1



Tgt Ion:202 Resp: 2411653
Ion Ratio Lower Upper
202 100
200 20.8 17.1 25.7
203 17.9 14.1 21.1

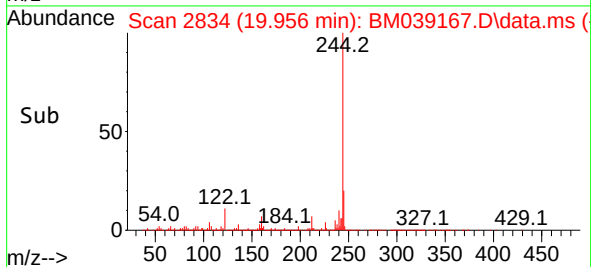
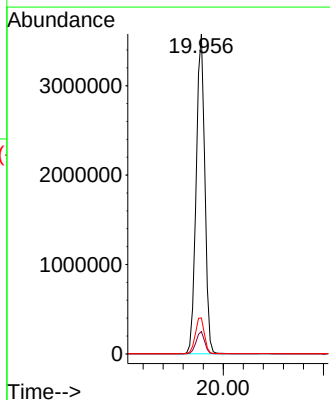
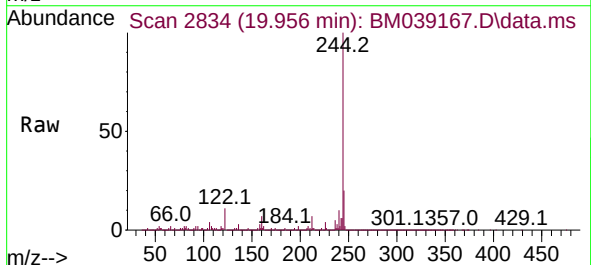
Manual Integrations
APPROVED

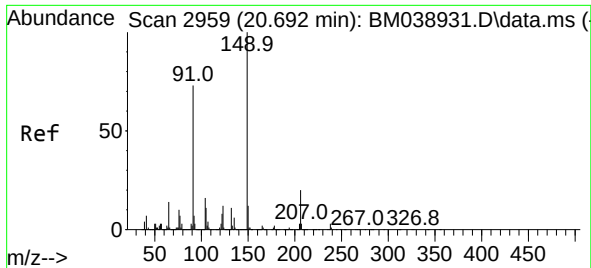
Reviewed By :Christian Giraldo 03/28/2023
Supervised By :Jagrut Upadhyay 03/28/2023



#79
Terphenyl-d14
Concen: 70.400 ng
RT: 19.956 min Scan# 2834
Delta R.T. -0.000 min
Lab File: BM039167.D
Acq: 27 Mar 2023 19:16

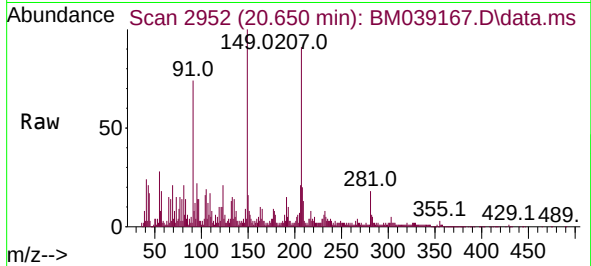
Tgt Ion:244 Resp: 4272668
Ion Ratio Lower Upper
244 100
212 7.0 5.5 8.3
122 11.2 9.0 13.4





#80
Butylbenzylphthalate
Concen: 6.380 ng
RT: 20.650 min Scan# 2959
Delta R.T. 0.006 min
Lab File: BM039167.D
Acq: 27 Mar 2023 19:16

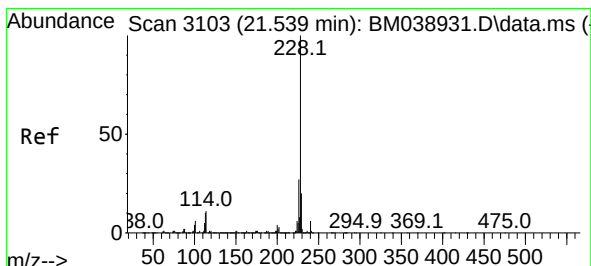
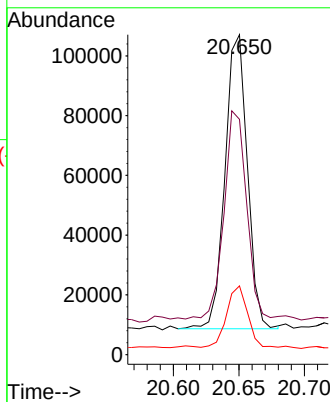
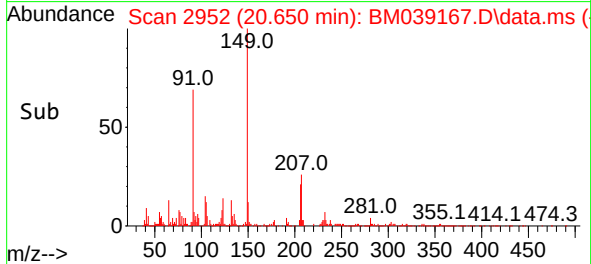
Instrument :
BNA_M
ClientSampleId :
10TH-ST-SUBSTATION-TP1



Tgt Ion:149 Resp: 116634
Ion Ratio Lower Upper
149 100
91 73.5 58.4 87.6
206 21.5 16.1 24.1

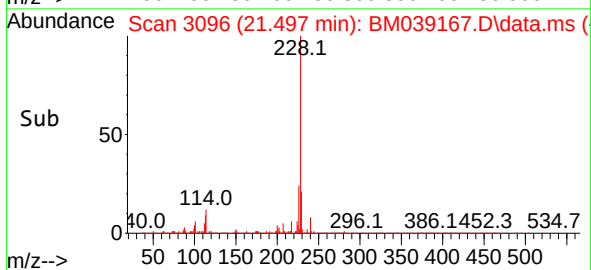
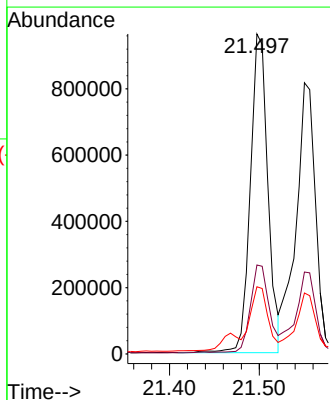
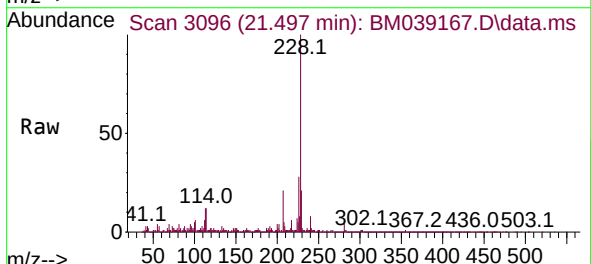
Manual Integrations
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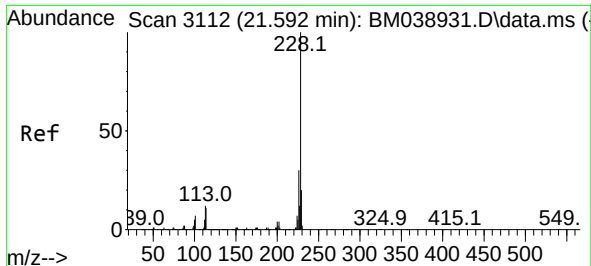
Reviewed By :Christian Giraldo 03/28/2023
Supervised By :Jagrut Upadhyay 03/28/2023



#81
Benzo(a)anthracene
Concen: 16.351 ng
RT: 21.497 min Scan# 3096
Delta R.T. -0.000 min
Lab File: BM039167.D
Acq: 27 Mar 2023 19:16

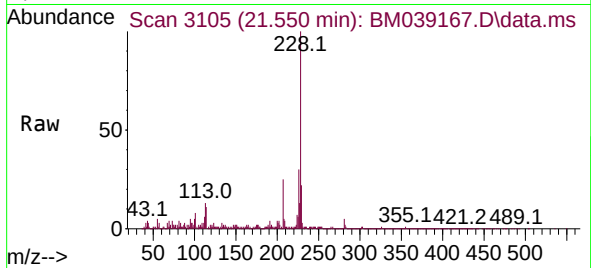
Tgt Ion:228 Resp: 1306608
Ion Ratio Lower Upper
228 100
226 27.8 21.4 32.2
229 21.0 15.7 23.5





#83
Chrysene
Concen: 15.884 ng
RT: 21.550 min Scan# 3112
Delta R.T. -0.000 min
Lab File: BM039167.D
Acq: 27 Mar 2023 19:16

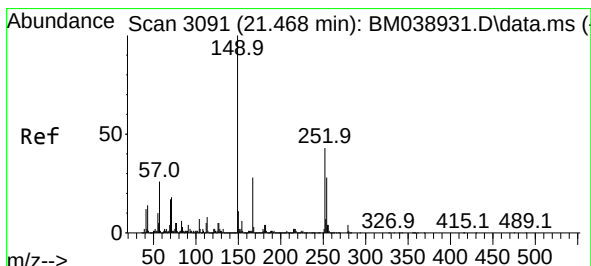
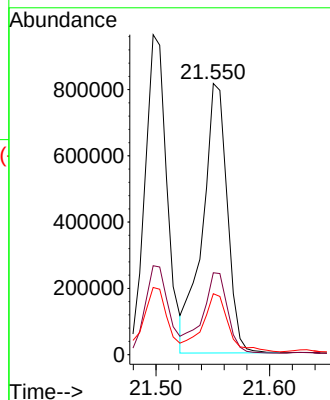
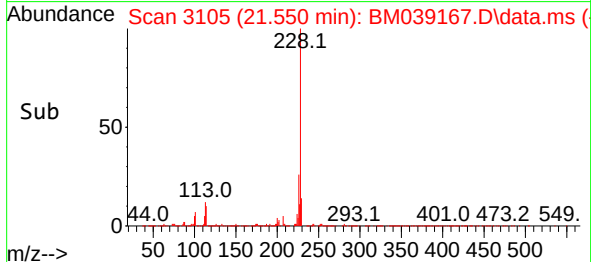
Instrument :
BNA_M
ClientSampleId :
10TH-ST-SUBSTATION-TP1



Tgt Ion:228 Resp: 1234476
Ion Ratio Lower Upper
228 100
226 30.2 24.0 36.0
229 22.5 16.0 24.0

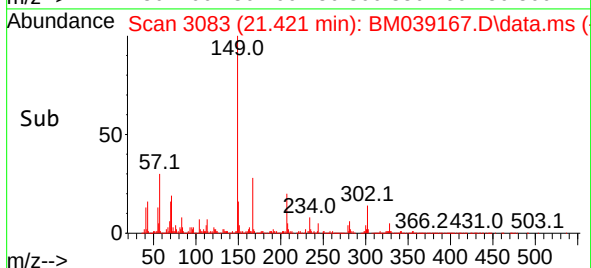
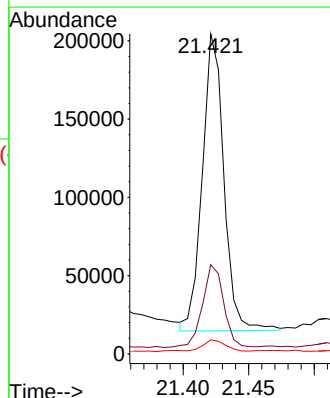
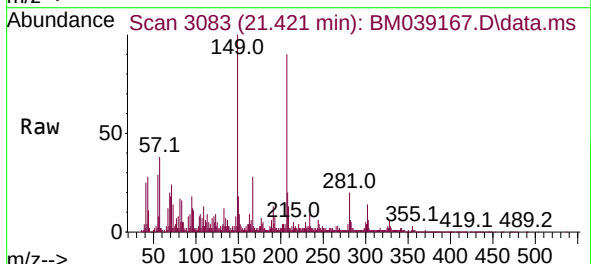
Manual Integrations
APPROVED

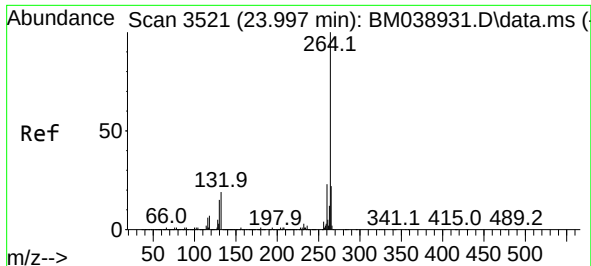
Reviewed By :Christian Giraldo 03/28/2023
Supervised By :Jagrut Upadhyay 03/28/2023



#84
Bis(2-ethylhexyl)phthalate
Concen: 6.500 ng
RT: 21.421 min Scan# 3083
Delta R.T. -0.000 min
Lab File: BM039167.D
Acq: 27 Mar 2023 19:16

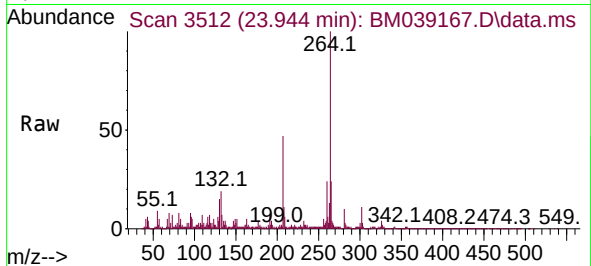
Tgt Ion:149 Resp: 216960
Ion Ratio Lower Upper
149 100
167 27.9 22.3 33.5
279 4.4 3.2 4.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.944 min Scan# 3512
Delta R.T. 0.006 min
Lab File: BM039167.D
Acq: 27 Mar 2023 19:16

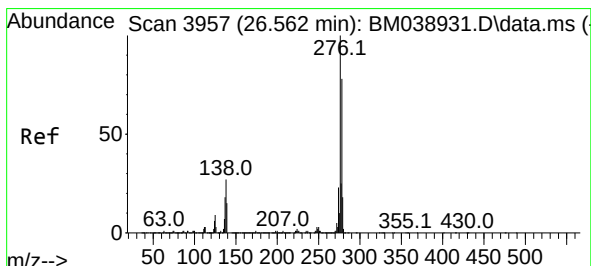
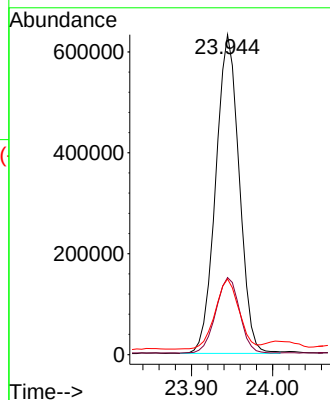
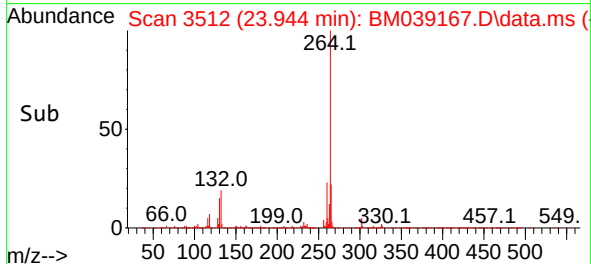
Instrument :
BNA_M
ClientSampleId :
10TH-ST-SUBSTATION-TP1



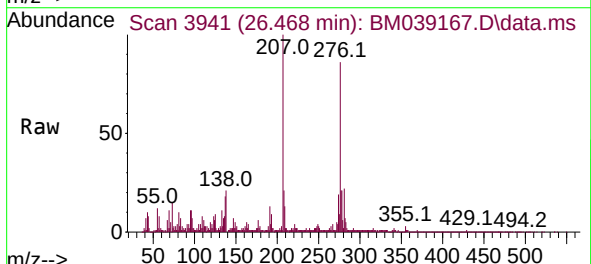
Tgt Ion:264 Resp: 1268993
Ion Ratio Lower Upper
264 100
260 24.1 18.7 28.1
265 23.7 17.9 26.9

Manual Integrations
APPROVED

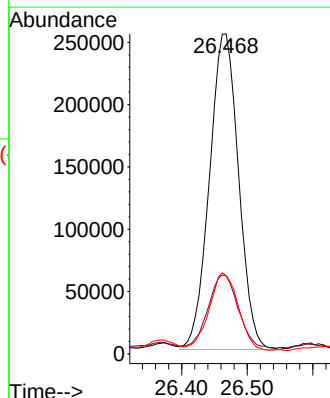
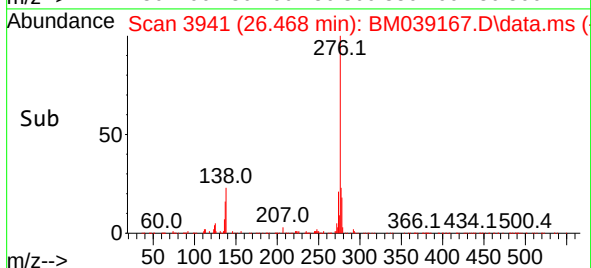
Reviewed By :Christian Giraldo 03/28/2023
Supervised By :Jagrut Upadhyay 03/28/2023

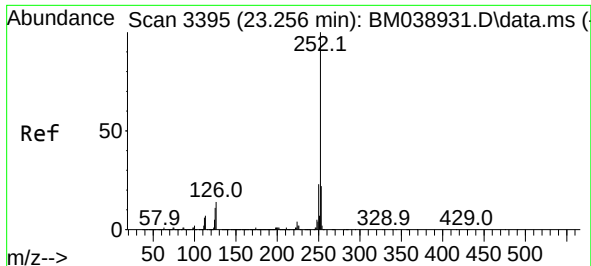


#87
Indeno(1,2,3-cd)pyrene
Concen: 8.113 ng
RT: 26.468 min Scan# 3941
Delta R.T. -0.000 min
Lab File: BM039167.D
Acq: 27 Mar 2023 19:16



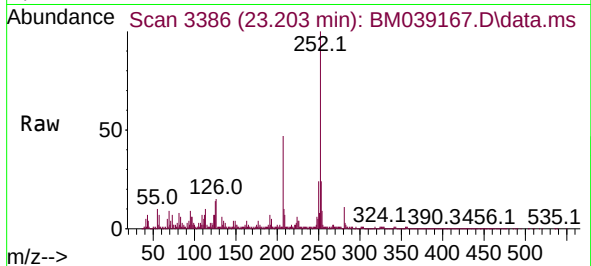
Tgt Ion:276 Resp: 783405
Ion Ratio Lower Upper
276 100
138 23.6 22.1 33.1
277 24.4 20.1 30.1





#88
Benzo(b)fluoranthene
Concen: 19.432 ng
RT: 23.203 min Scan# 3394
Delta R.T. 0.006 min
Lab File: BM039167.D
Acq: 27 Mar 2023 19:16

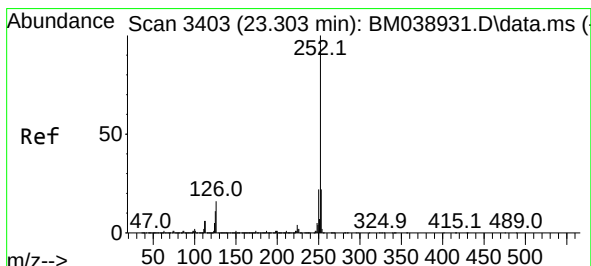
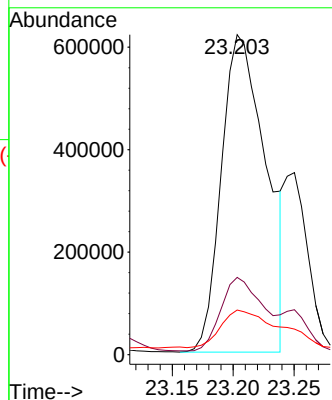
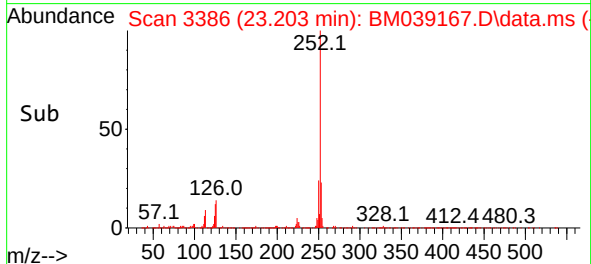
Instrument :
BNA_M
ClientSampleId :
10TH-ST-SUBSTATION-TP1



Tgt Ion:252 Resp: 1575405
Ion Ratio Lower Upper
252 100
253 24.1 17.6 26.4
125 13.9 8.8 13.2

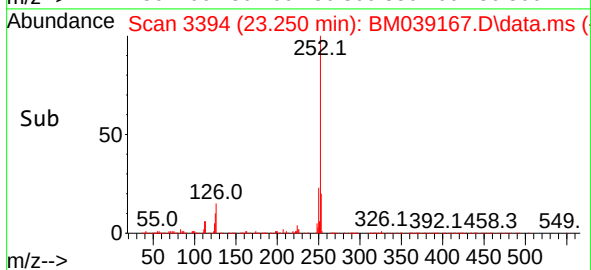
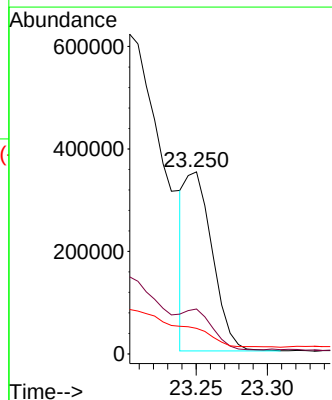
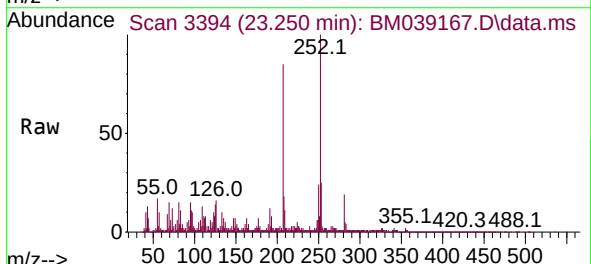
Manual Integrations
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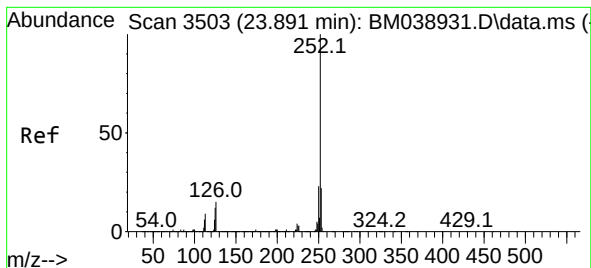
Reviewed By :Christian Giraldo 03/28/2023
Supervised By :Jagrut Upadhyay 03/28/2023



#89
Benzo(k)fluoranthene
Concen: 5.454 ng m
RT: 23.250 min Scan# 3394
Delta R.T. -0.000 min
Lab File: BM039167.D
Acq: 27 Mar 2023 19:16

Tgt Ion:252 Resp: 460147
Ion Ratio Lower Upper
252 100
253 24.6 17.5 26.3
125 14.0 8.9 13.3





#90

Benzo(a)pyrene

Concen: 14.611 ng

RT: 23.838 min Scan# 34

Delta R.T. 0.006 min

Lab File: BM039167.D

Acq: 27 Mar 2023 19:16

Instrument :

BNA_M

ClientSampleId :

10TH-ST-SUBSTATION-TP1

Tgt Ion:252 Resp: 1139992

Ion Ratio Lower Upper

252 100

253 23.4 17.6 26.4

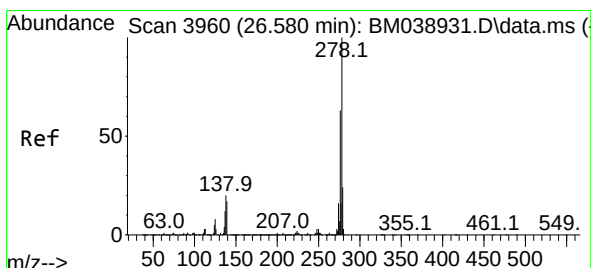
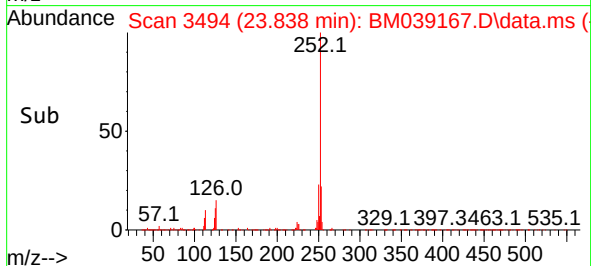
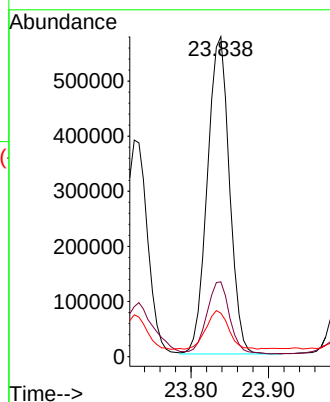
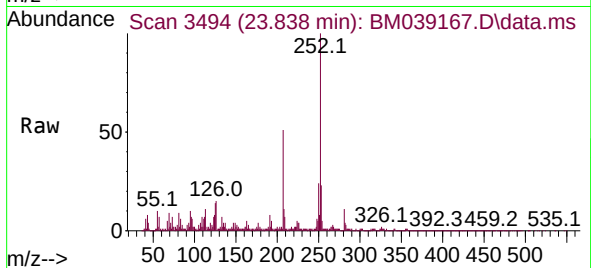
125 13.6 9.8 14.8

Manual Integrations

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Reviewed By :Christian Giraldo 03/28/2023

Supervised By :Jagrut Upadhyay 03/28/2023



#91

Dibenzo(a,h)anthracene

Concen: 2.685 ng

RT: 26.474 min Scan# 3942

Delta R.T. -0.006 min

Lab File: BM039167.D

Acq: 27 Mar 2023 19:16

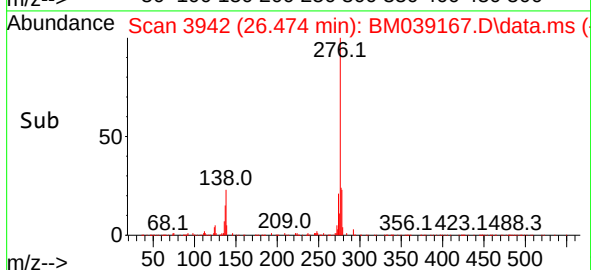
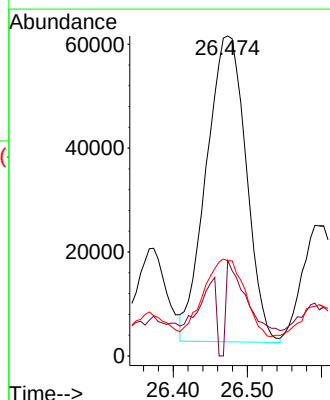
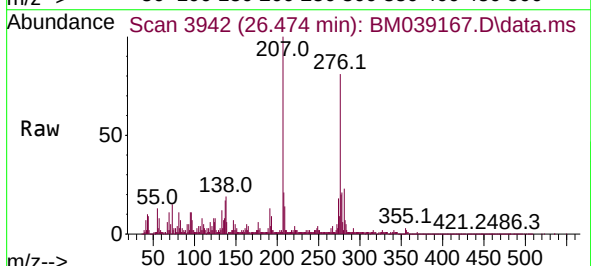
Tgt Ion:278 Resp: 219539

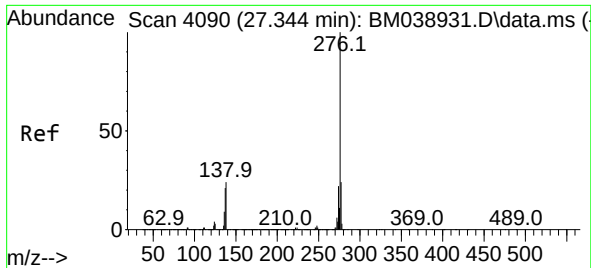
Ion Ratio Lower Upper

278 100

139 29.8 13.7 20.5#

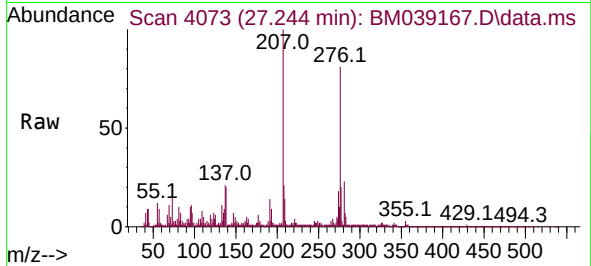
279 29.7 18.9 28.3#





#92
 Benzo(g,h,i)perylene
 Concen: 9.844 ng
 RT: 27.244 min Scan# 40
 Delta R.T. -0.000 min
 Lab File: BM039167.D
 Acq: 27 Mar 2023 19:16

Instrument :
 BNA_M
 ClientSampleId :
 10TH-ST-SUBSTATION-TP1



Tgt Ion:	276	Resp:	787595
Ion Ratio	Lower	Upper	
276	100		
277	24.5	19.3	28.9
138	25.1	19.0	28.6

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 03/28/2023
 Supervised By :Jagrut Upadhyay 03/28/2023

