

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041123\
 Data File : BM039392.D
 Acq On : 11 Apr 2023 13:46
 Operator : CG/JU
 Sample : 02256-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 360

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 04/12/2023
 Supervised By :Jagrut Upadhyay 04/12/2023

Quant Time: Apr 12 01:36:27 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM032923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 11 16:05:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.863	152	165254	20.000	ng	0.00
21) Naphthalene-d8	10.675	136	657795	20.000	ng	0.00
39) Acenaphthene-d10	14.516	164	401997	20.000	ng	0.00
64) Phenanthrene-d10	17.268	188	868254	20.000	ng	0.00
76) Chrysene-d12	21.462	240	821271	20.000	ng	0.00
86) Perylene-d12	23.850	264	997799	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	871864	79.487	ng	0.00
7) Phenol-d6	7.034	99	1142002	80.496	ng	0.00
23) Nitrobenzene-d5	9.034	82	631759	46.679	ng	0.00
42) 2,4,6-Tribromophenol	16.010	330	400131	78.412	ng	0.00
45) 2-Fluorobiphenyl	13.139	172	768671	25.908	ng	0.00
79) Terphenyl-d14	19.898	244	1341466	30.178	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.309	178	151771	3.192	ng	99
75) Fluoranthene	19.327	202	635294	11.720	ng	99
78) Pyrene	19.692	202	556497	9.518	ng	98
81) Benzo(a)anthracene	21.445	228	282451	4.876	ng	99
83) Chrysene	21.497	228	269747	4.824	ng	98
87) Indeno(1,2,3-cd)pyrene	26.315	276	172998	2.353	ng	95
88) Benzo(b)fluoranthene	23.127	252	376495	6.167	ng	97
89) Benzo(k)fluoranthene	23.162	252	126722m	2.038	ng	
90) Benzo(a)pyrene	23.744	252	256999	4.285	ng	# 96
92) Benzo(g,h,i)perylene	27.079	276	176063	2.900	ng	96

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

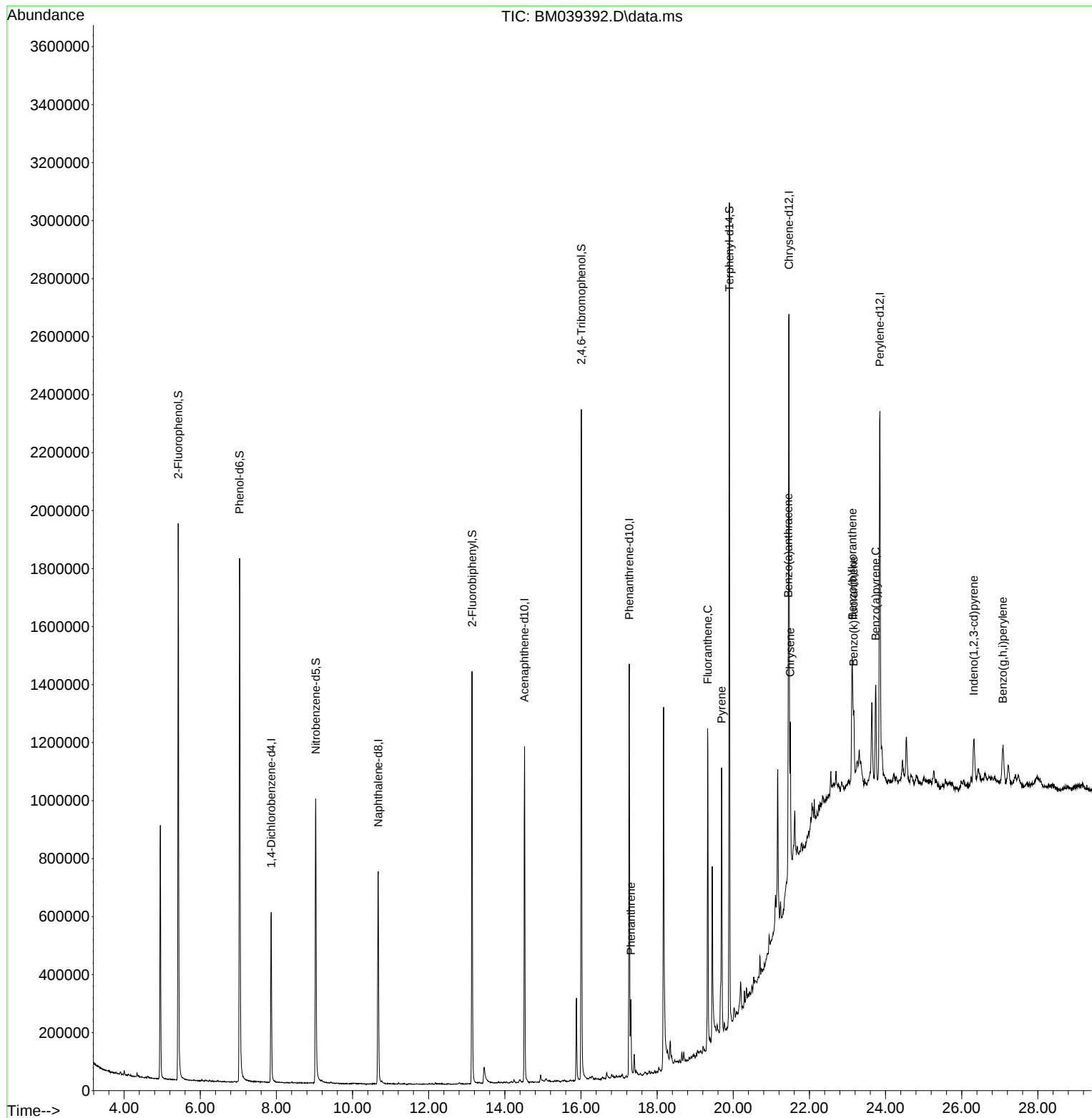
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041123\
Data File : BM039392.D
Acq On : 11 Apr 2023 13:46
Operator : CG/JU
Sample : 02256-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

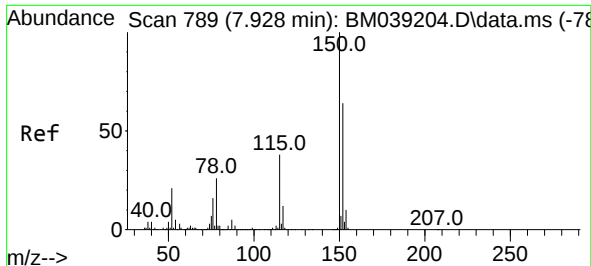
Instrument :
BNA_M
ClientSampleId :
360

Quant Time: Apr 12 01:36:27 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM032923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 11 16:05:42 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

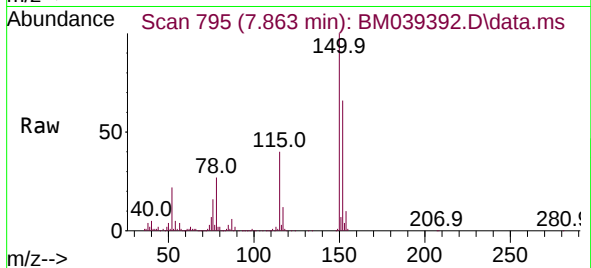
Reviewed By : Christian Giraldo 04/12/2023
Supervised By : Jagrut Upadhyay 04/12/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.863 min Scan# 795
Delta R.T. 0.000 min
Lab File: BM039392.D
Acq: 11 Apr 2023 13:46

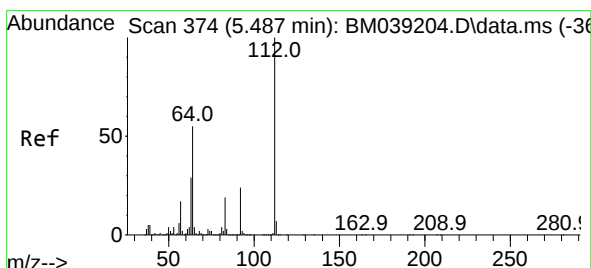
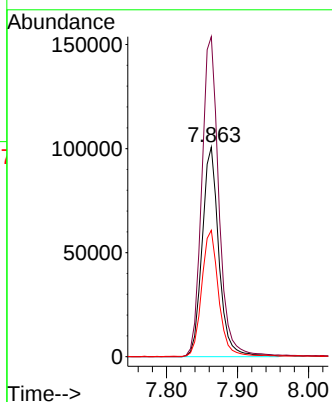
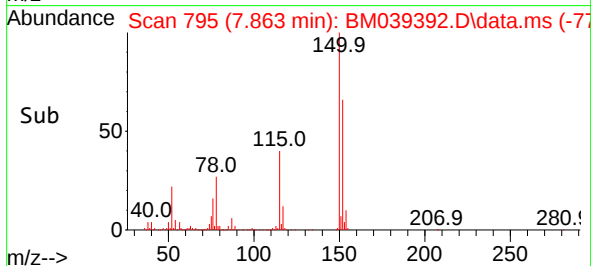
Instrument :
BNA_M
ClientSampleId :
360



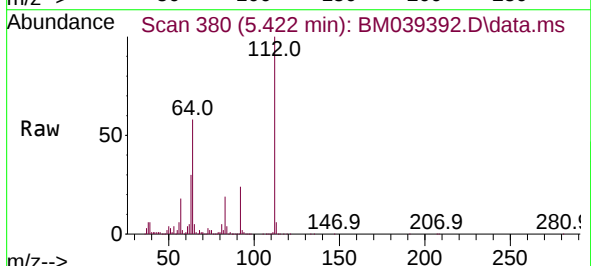
Tgt Ion:152 Resp: 165254
Ion Ratio Lower Upper
152 100
150 152.6 125.5 188.3
115 60.3 48.1 72.1

Manual Integrations
APPROVED

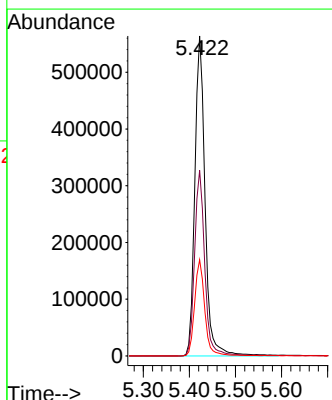
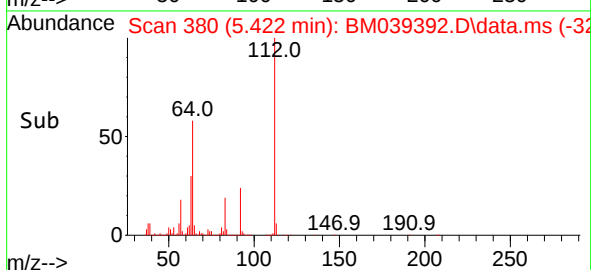
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023

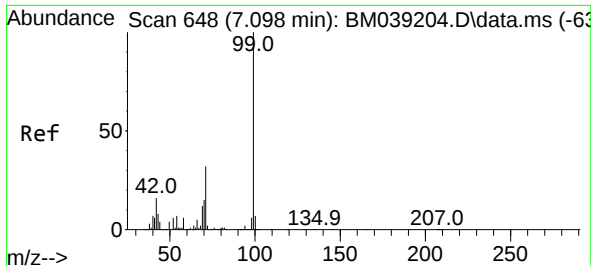


#5
2-Fluorophenol
Concen: 79.487 ng
RT: 5.422 min Scan# 380
Delta R.T. 0.000 min
Lab File: BM039392.D
Acq: 11 Apr 2023 13:46



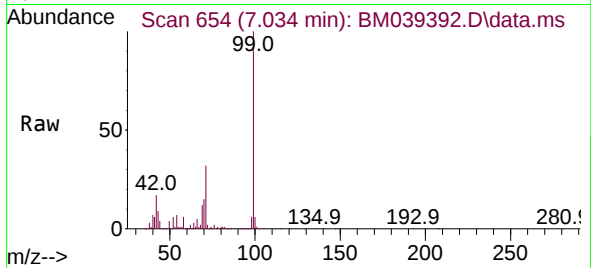
Tgt Ion:112 Resp: 871864
Ion Ratio Lower Upper
112 100
64 58.0 44.3 66.5
63 30.1 23.0 34.6





#7
Phenol-d6
Concen: 80.496 ng
RT: 7.034 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM039392.D
Acq: 11 Apr 2023 13:46

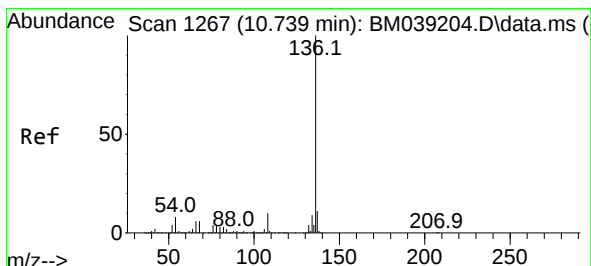
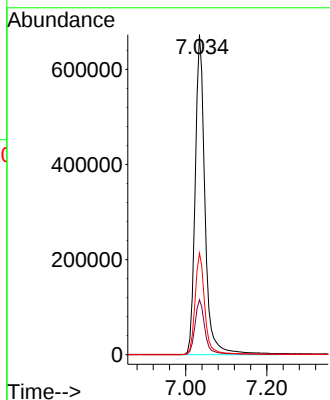
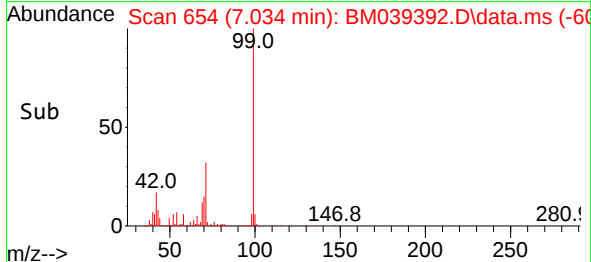
Instrument :
BNA_M
ClientSampleId :
360



Tgt Ion: 99 Resp: 114200
Ion Ratio Lower Upper
99 100
42 17.1 13.0 19.6
71 31.7 25.5 38.3

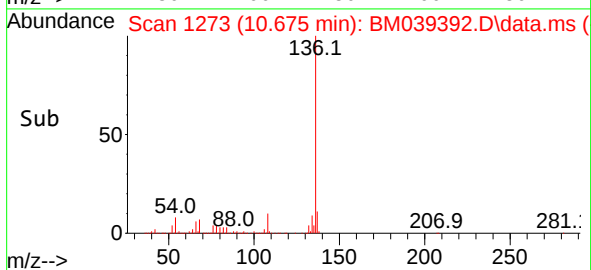
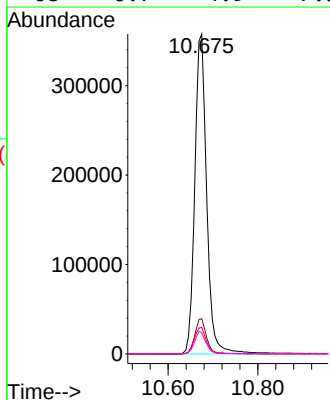
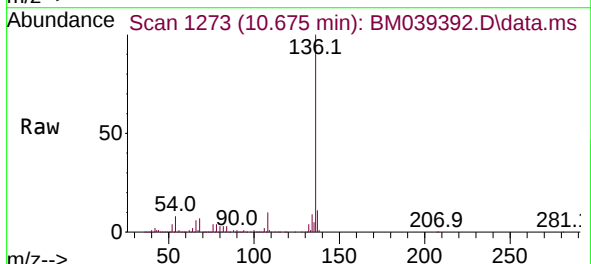
Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.675 min Scan# 1273
Delta R.T. 0.000 min
Lab File: BM039392.D
Acq: 11 Apr 2023 13:46

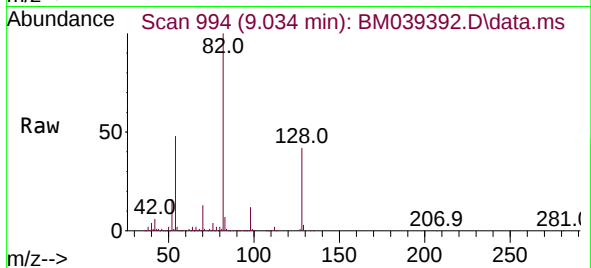
Tgt Ion:136 Resp: 657795
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 8.3 6.2 9.4
68 6.7 4.9 7.3





#23
Nitrobenzene-d5
Concen: 46.679 ng
RT: 9.034 min Scan# 90
Delta R.T. 0.000 min
Lab File: BM039392.D
Acq: 11 Apr 2023 13:46

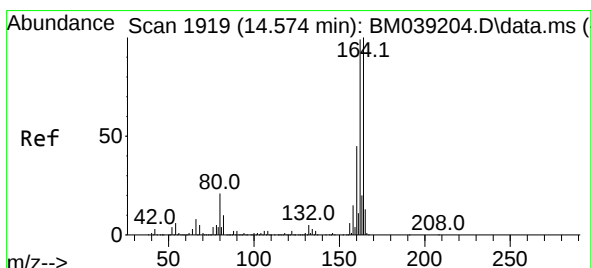
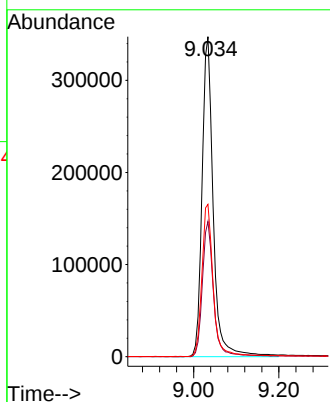
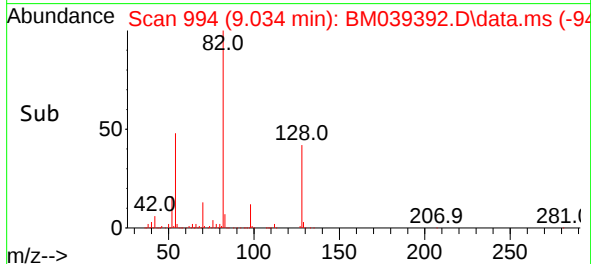
Instrument :
BNA_M
ClientSampleId :
360



Tgt Ion: 82 Resp: 63175
Ion Ratio Lower Upper
82 100
128 42.2 35.1 52.7
54 47.6 38.5 57.7

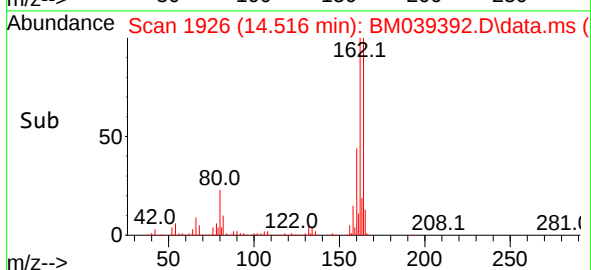
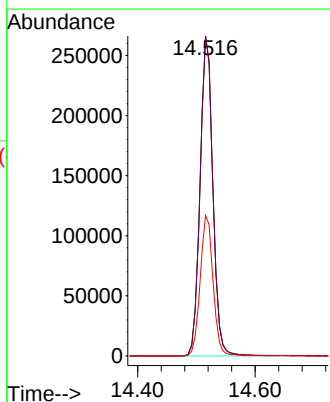
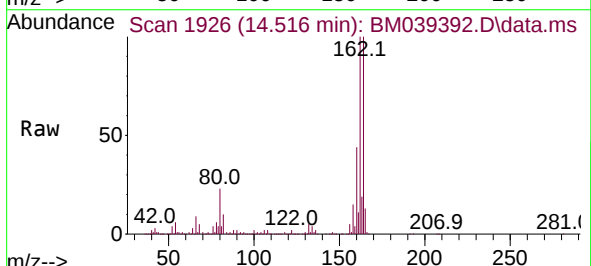
Manual Integrations
APPROVED

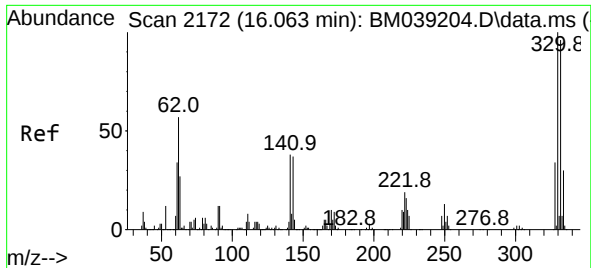
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.516 min Scan# 1926
Delta R.T. 0.000 min
Lab File: BM039392.D
Acq: 11 Apr 2023 13:46

Tgt Ion:164 Resp: 401997
Ion Ratio Lower Upper
164 100
162 100.1 79.1 118.7
160 44.0 35.8 53.8





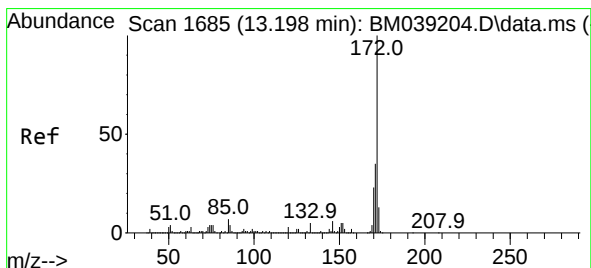
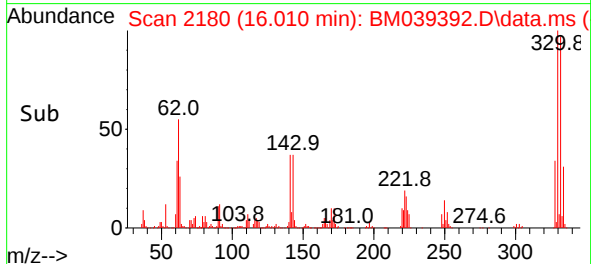
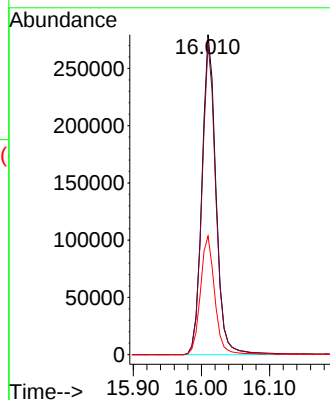
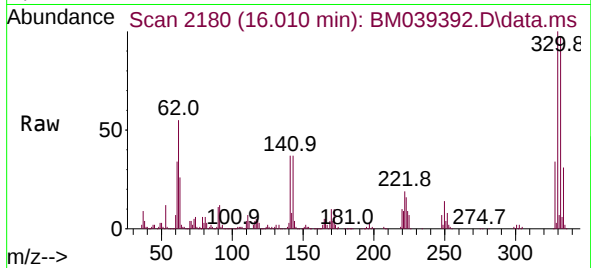
#42
2,4,6-Tribromophenol
Concen: 78.412 ng
RT: 16.010 min Scan# 2172
Delta R.T. -0.006 min
Lab File: BM039392.D
Acq: 11 Apr 2023 13:46

Instrument :
BNA_M
ClientSampleId :
360

Tgt Ion:330 Resp: 40013
Ion Ratio Lower Upper
330 100
332 97.4 77.4 116.0
141 37.9 29.8 44.6

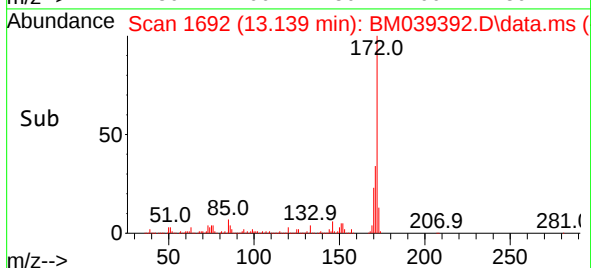
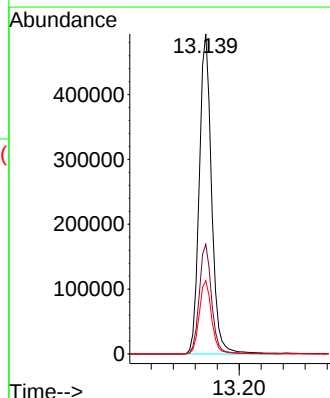
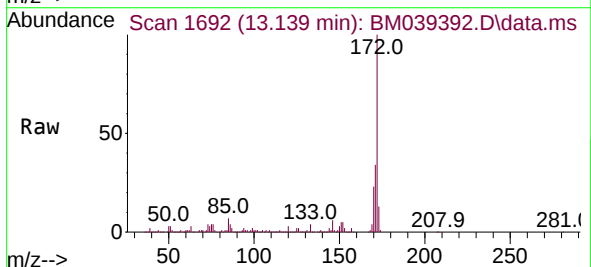
Manual Integrations
APPROVED

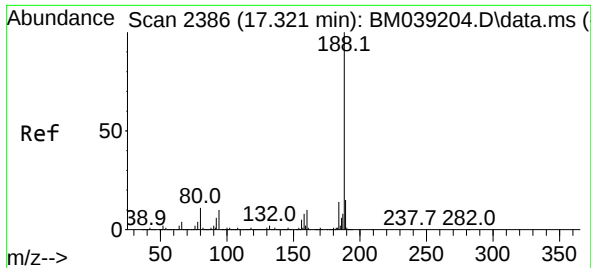
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023



#45
2-Fluorobiphenyl
Concen: 25.908 ng
RT: 13.139 min Scan# 1692
Delta R.T. 0.000 min
Lab File: BM039392.D
Acq: 11 Apr 2023 13:46

Tgt Ion:172 Resp: 768671
Ion Ratio Lower Upper
172 100
171 34.2 28.0 42.0
170 22.9 18.7 28.1





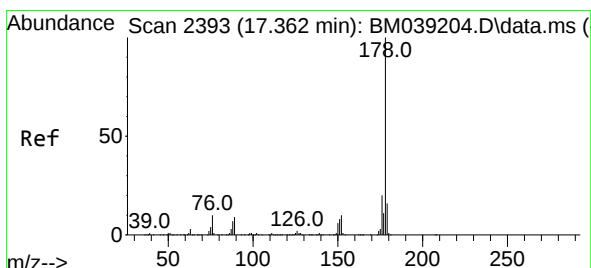
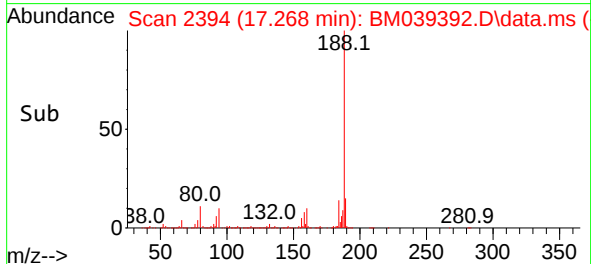
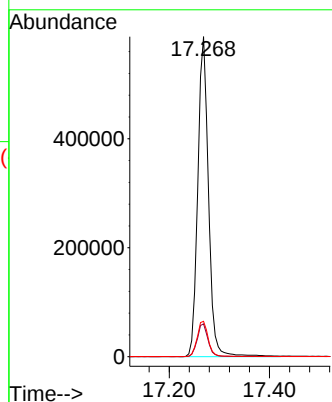
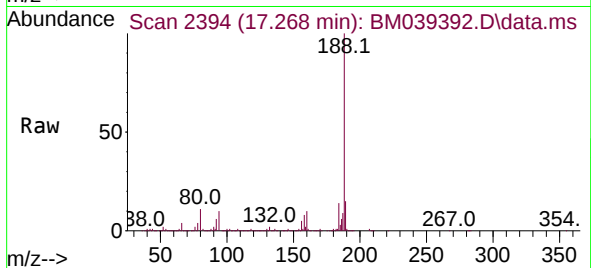
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.268 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM039392.D
Acq: 11 Apr 2023 13:46

Instrument :
BNA_M
ClientSampleId :
360

Tgt Ion:188 Resp: 868254
Ion Ratio Lower Upper
188 100
94 10.2 8.2 12.4
80 11.0 8.9 13.3

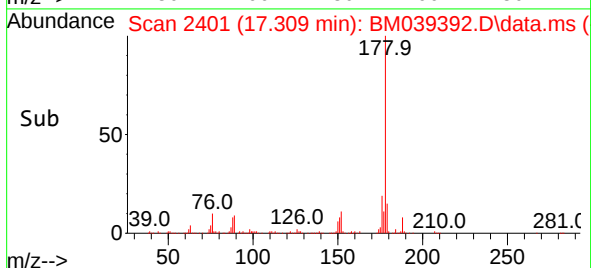
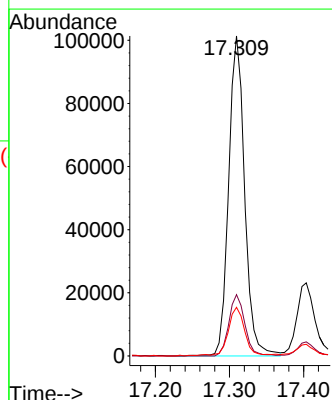
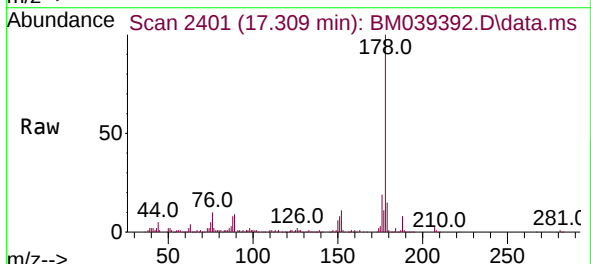
Manual Integrations
APPROVED

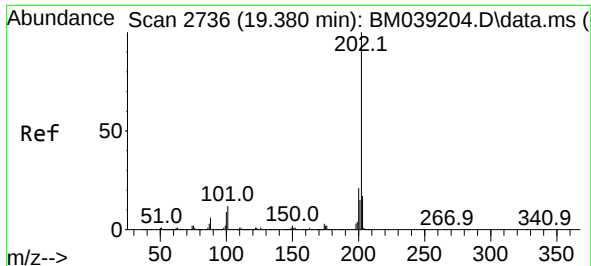
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023



#71
Phenanthrene
Concen: 3.192 ng
RT: 17.309 min Scan# 2401
Delta R.T. 0.000 min
Lab File: BM039392.D
Acq: 11 Apr 2023 13:46

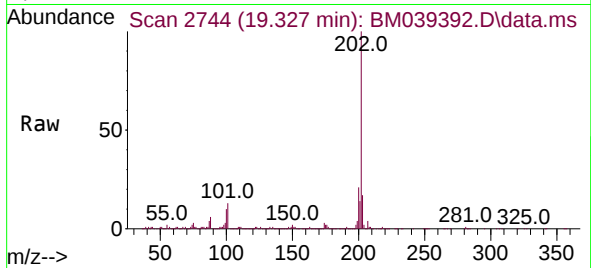
Tgt Ion:178 Resp: 151771
Ion Ratio Lower Upper
178 100
176 19.2 15.7 23.5
179 15.2 12.4 18.6





#75
Fluoranthene
Concen: 11.720 ng
RT: 19.327 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM039392.D
Acq: 11 Apr 2023 13:46

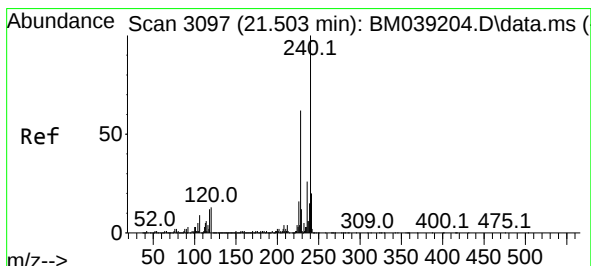
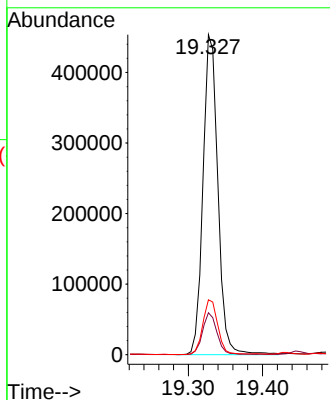
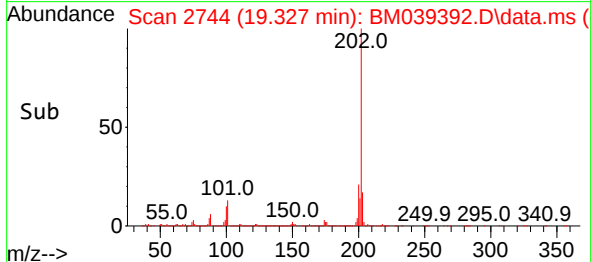
Instrument :
BNA_M
ClientSampleId :
360



Tgt Ion:202 Resp: 635294
Ion Ratio Lower Upper
202 100
101 13.1 0.0 32.5
203 17.2 0.0 37.5

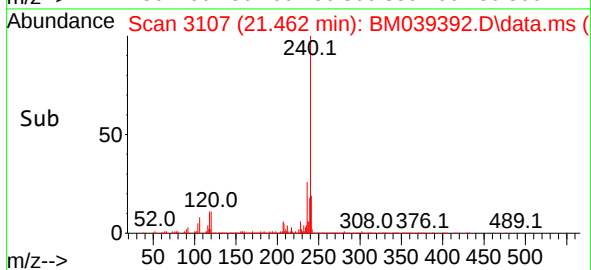
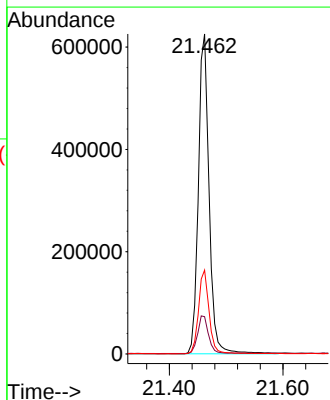
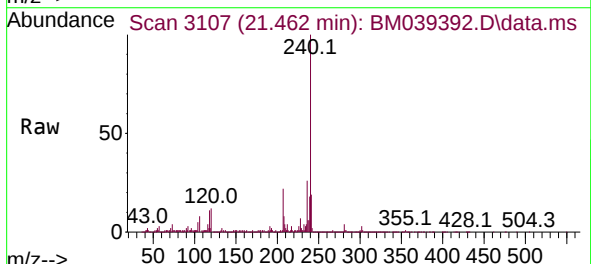
Manual Integrations
APPROVED

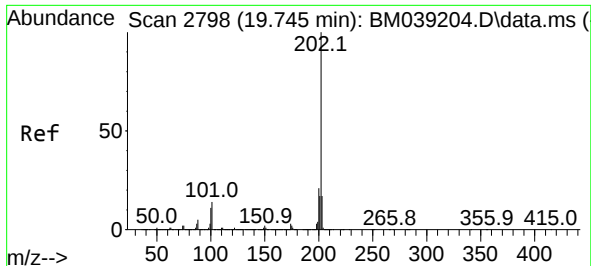
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.462 min Scan# 3107
Delta R.T. 0.000 min
Lab File: BM039392.D
Acq: 11 Apr 2023 13:46

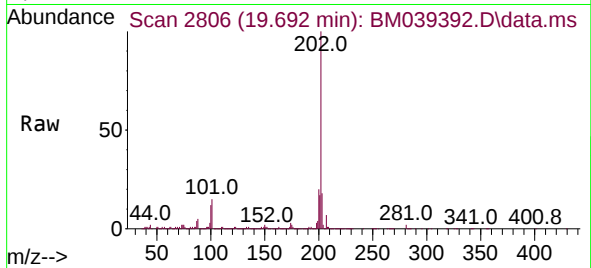
Tgt Ion:240 Resp: 821271
Ion Ratio Lower Upper
240 100
120 11.6 10.2 15.2
236 26.2 20.9 31.3





#78
Pyrene
Concen: 9.518 ng
RT: 19.692 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM039392.D
Acq: 11 Apr 2023 13:46

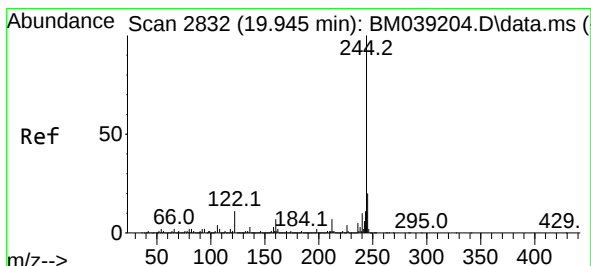
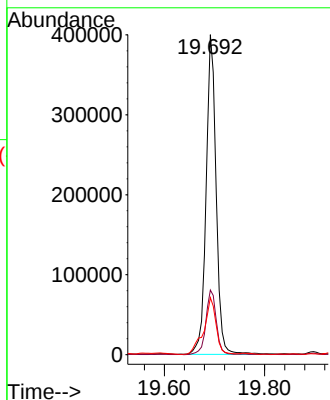
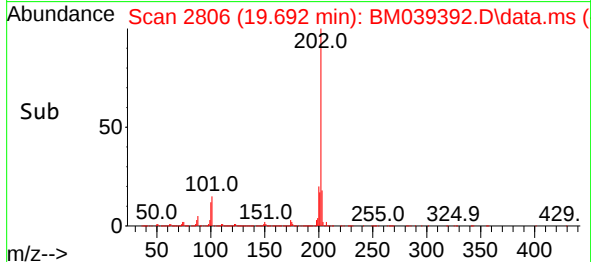
Instrument :
BNA_M
ClientSampleId :
360



Tgt Ion:202 Resp: 55649
Ion Ratio Lower Upper
202 100
200 20.2 17.1 25.7
203 17.8 13.9 20.9

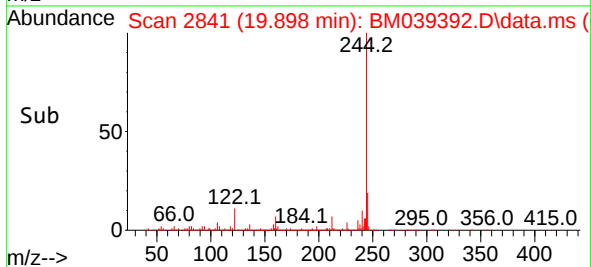
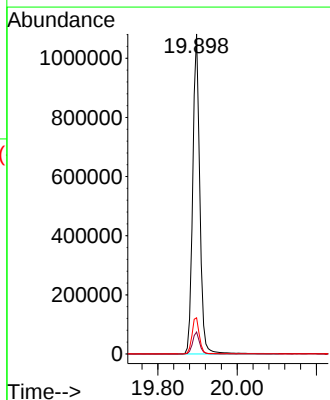
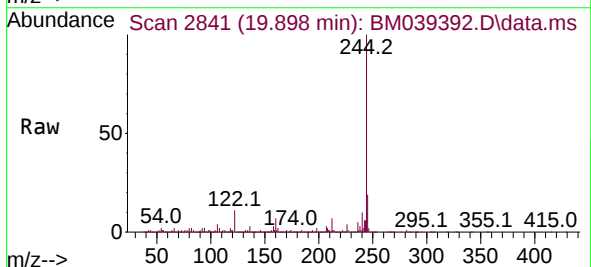
Manual Integrations
APPROVED

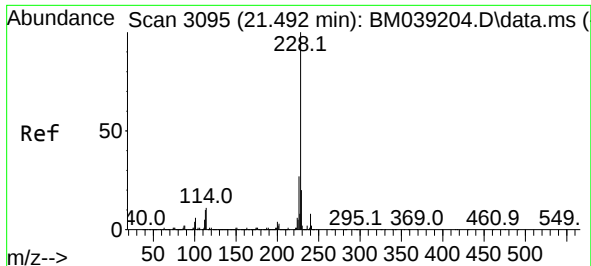
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023



#79
Terphenyl-d14
Concen: 30.178 ng
RT: 19.898 min Scan# 2841
Delta R.T. 0.000 min
Lab File: BM039392.D
Acq: 11 Apr 2023 13:46

Tgt Ion:244 Resp: 1341466
Ion Ratio Lower Upper
244 100
212 6.9 5.6 8.4
122 11.3 9.1 13.7





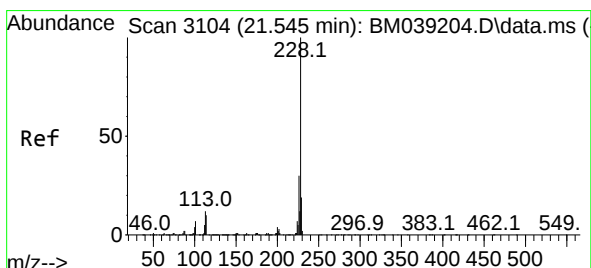
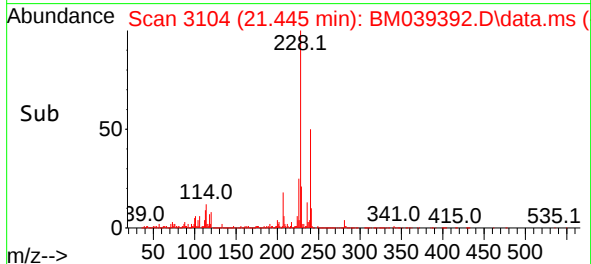
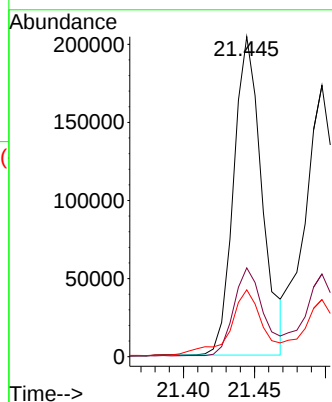
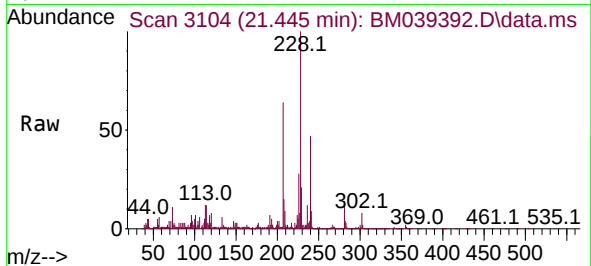
#81
Benzo(a)anthracene
Concen: 4.876 ng
RT: 21.445 min Scan# 3113
Delta R.T. 0.000 min
Lab File: BM039392.D
Acq: 11 Apr 2023 13:46

Instrument :
BNA_M
ClientSampleId :
360

Tgt Ion:228 Resp: 28245
Ion Ratio Lower Upper
228 100
226 27.7 21.9 32.9
229 20.9 15.8 23.6

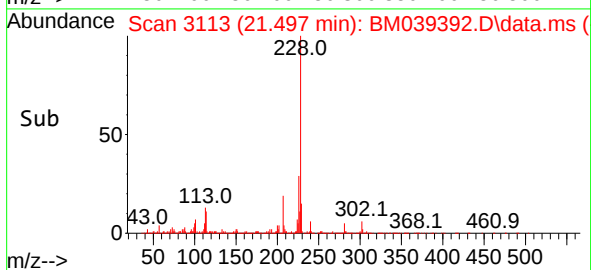
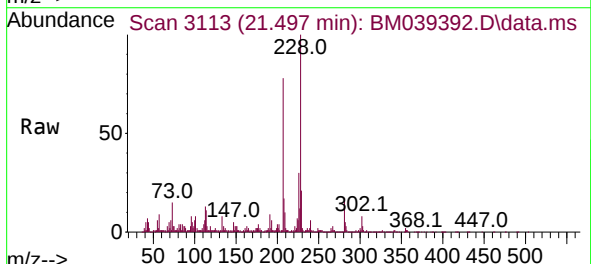
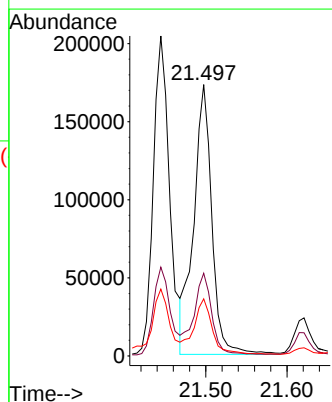
Manual Integrations
APPROVED

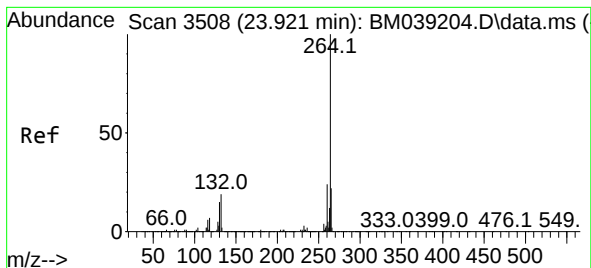
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023



#83
Chrysene
Concen: 4.824 ng
RT: 21.497 min Scan# 3113
Delta R.T. -0.006 min
Lab File: BM039392.D
Acq: 11 Apr 2023 13:46

Tgt Ion:228 Resp: 269747
Ion Ratio Lower Upper
228 100
226 30.5 24.1 36.1
229 21.0 15.5 23.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.850 min Scan# 3513

Delta R.T. 0.000 min

Lab File: BM039392.D

Acq: 11 Apr 2023 13:46

Instrument :

BNA_M

ClientSampleId :

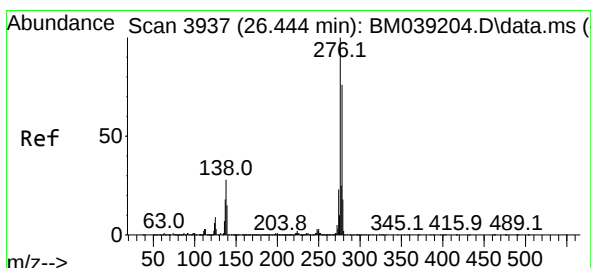
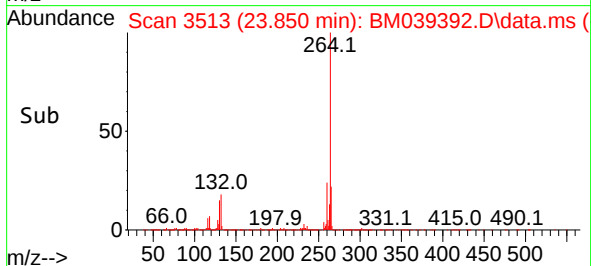
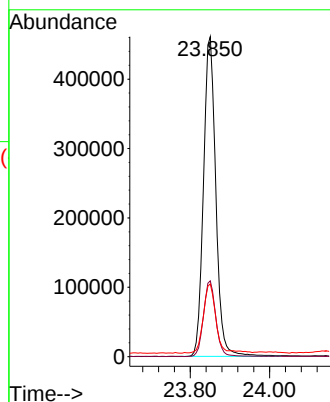
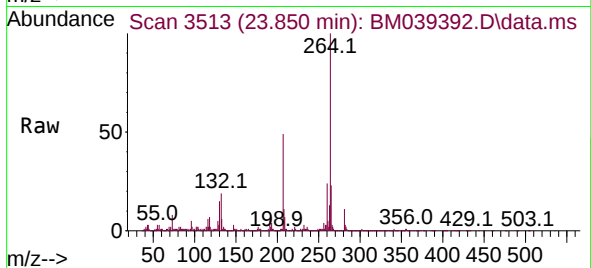
360

Tgt Ion:	264	Resp:	997799
Ion Ratio	Lower	Upper	
264	100		
260	23.7	19.0	28.6
265	22.7	18.1	27.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.353 ng

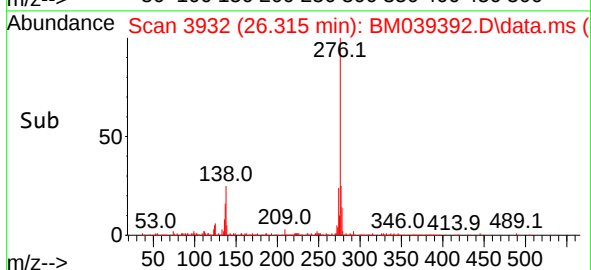
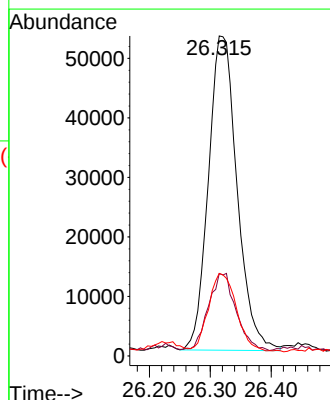
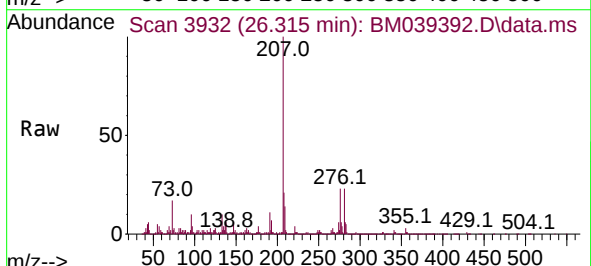
RT: 26.315 min Scan# 3932

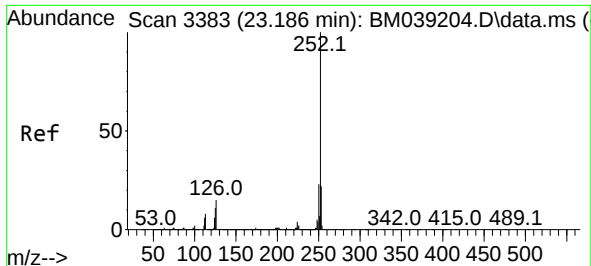
Delta R.T. -0.023 min

Lab File: BM039392.D

Acq: 11 Apr 2023 13:46

Tgt Ion:	276	Resp:	172998
Ion Ratio	Lower	Upper	
276	100		
138	23.6	22.2	33.2
277	23.8	20.2	30.2





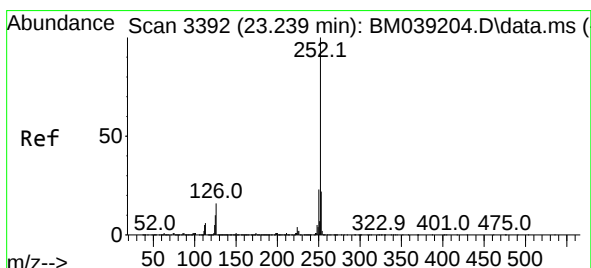
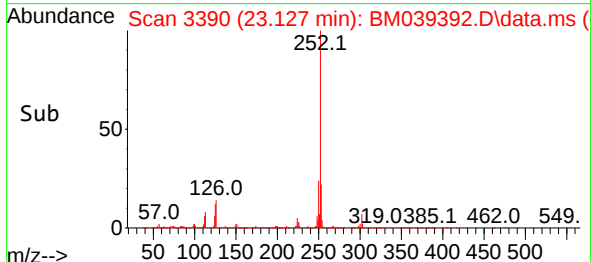
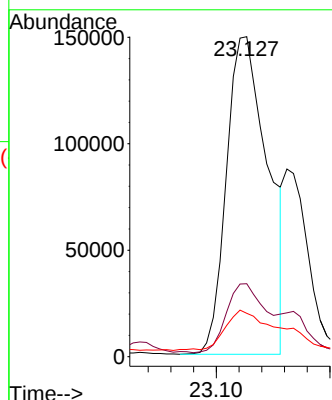
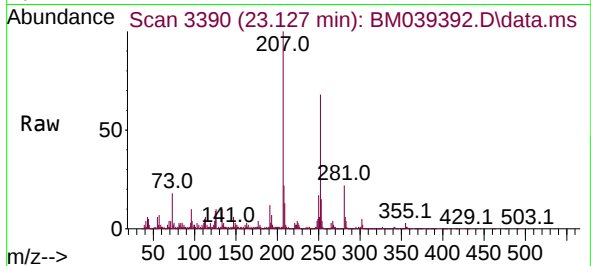
#88
Benzo(b)fluoranthene
Concen: 6.167 ng
RT: 23.127 min Scan# 31
Delta R.T. 0.000 min
Lab File: BM039392.D
Acq: 11 Apr 2023 13:46

Instrument :
BNA_M
ClientSampleId :
360

Tgt Ion:252 Resp: 37649
Ion Ratio Lower Upper
252 100
253 22.8 17.6 26.4
125 13.5 9.0 13.6

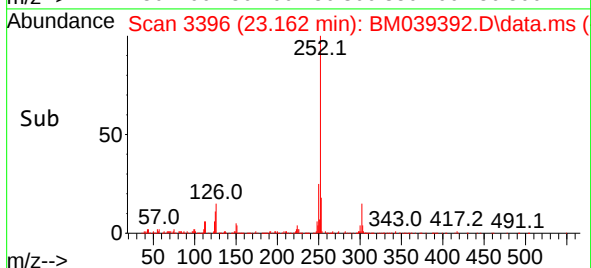
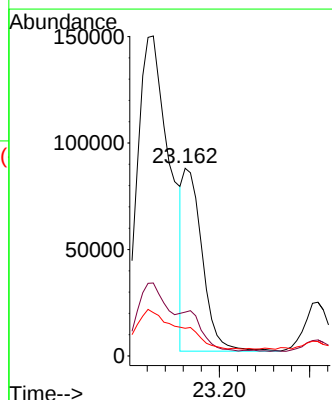
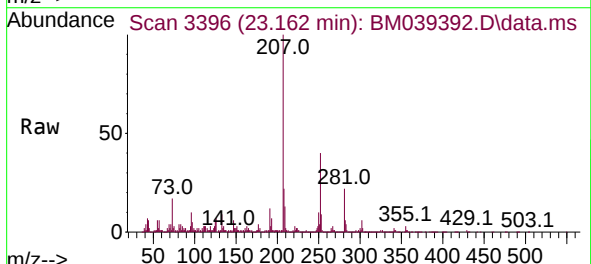
Manual Integrations
APPROVED

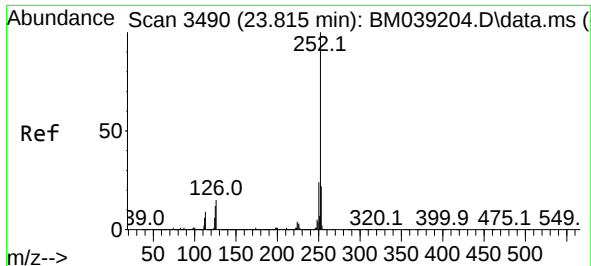
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023



#89
Benzo(k)fluoranthene
Concen: 2.038 ng m
RT: 23.162 min Scan# 3396
Delta R.T. -0.012 min
Lab File: BM039392.D
Acq: 11 Apr 2023 13:46

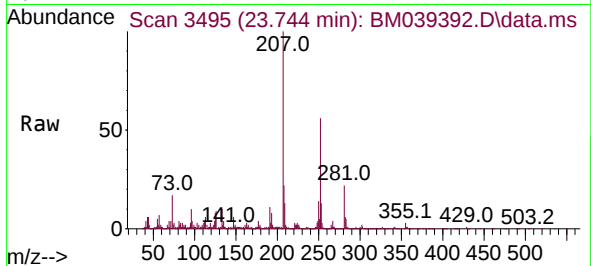
Tgt Ion:252 Resp: 126722
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.8
125 14.8 8.5 12.7#





#90
Benzo(a)pyrene
Concen: 4.285 ng
RT: 23.744 min Scan# 3490
Delta R.T. -0.006 min
Lab File: BM039392.D
Acq: 11 Apr 2023 13:46

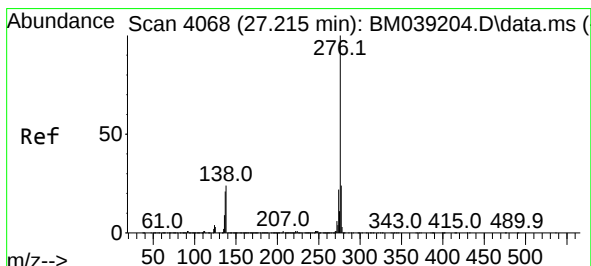
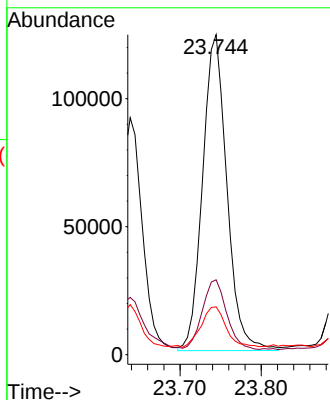
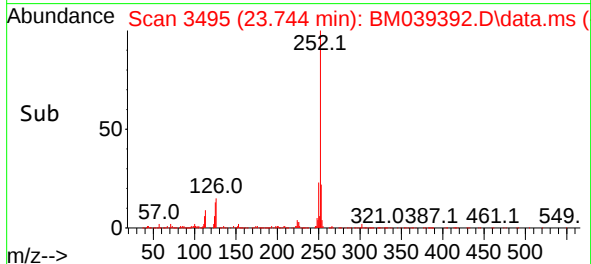
Instrument :
BNA_M
ClientSampleId :
360



Tgt Ion:252 Resp: 256999
Ion Ratio Lower Upper
252 100
253 23.4 17.6 26.4
125 14.9 9.8 14.6

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023



#92
Benzo(g,h,i)perylene
Concen: 2.900 ng
RT: 27.079 min Scan# 4062
Delta R.T. -0.023 min
Lab File: BM039392.D
Acq: 11 Apr 2023 13:46

Tgt Ion:276 Resp: 176063
Ion Ratio Lower Upper
276 100
277 25.5 19.1 28.7
138 26.5 19.5 29.3

