

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041323\
 Data File : BM039426.D
 Acq On : 14 Apr 2023 00:36
 Operator : CG/JU
 Sample : 02308-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EO-01-041223

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/14/2023
 Supervised By : Jagrut Upadhyay 04/14/2023

Quant Time: Apr 14 05:20:15 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	7.857	152	206167	20.000	ng	0.00
21) Naphthalene-d8	10.663	136	821371	20.000	ng	-0.01
39) Acenaphthene-d10	14.516	164	479874	20.000	ng	0.00
64) Phenanthrene-d10	17.268	188	978883	20.000	ng	0.00
76) Chrysene-d12	21.456	240	789558	20.000	ng	0.00
86) Perylene-d12	23.850	264	861060	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	1472463	107.603	ng	0.01
7) Phenol-d6	7.057	99	1895523	107.095	ng	0.02
23) Nitrobenzene-d5	9.028	82	1152026	68.168	ng	0.00
42) 2,4,6-Tribromophenol	16.010	330	590054	96.865	ng	0.00
45) 2-Fluorobiphenyl	13.133	172	2456595	69.361	ng	0.00
79) Terphenyl-d14	19.898	244	3502275	81.953	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.233	152	126952	2.692	ng	# 92
71) Phenanthrene	17.310	178	458792	8.558	ng	100
72) Anthracene	17.398	178	168671	3.085	ng	96
75) Fluoranthene	19.327	202	804489	13.164	ng	95
78) Pyrene	19.692	202	801602	14.261	ng	98
81) Benzo(a)anthracene	21.439	228	410251	7.367	ng	# 93
83) Chrysene	21.492	228	406488	7.562	ng	# 91
87) Indeno(1,2,3-cd)pyrene	26.338	276	312345	4.923	ng	94
88) Benzo(b)fluoranthene	23.121	252	588648	11.173	ng	# 76
89) Benzo(k)fluoranthene	23.168	252	187163m	3.488	ng	
90) Benzo(a)pyrene	23.744	252	429051	8.290	ng	# 82
92) Benzo(g,h,i)perylene	27.109	276	334710	6.389	ng	# 91

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

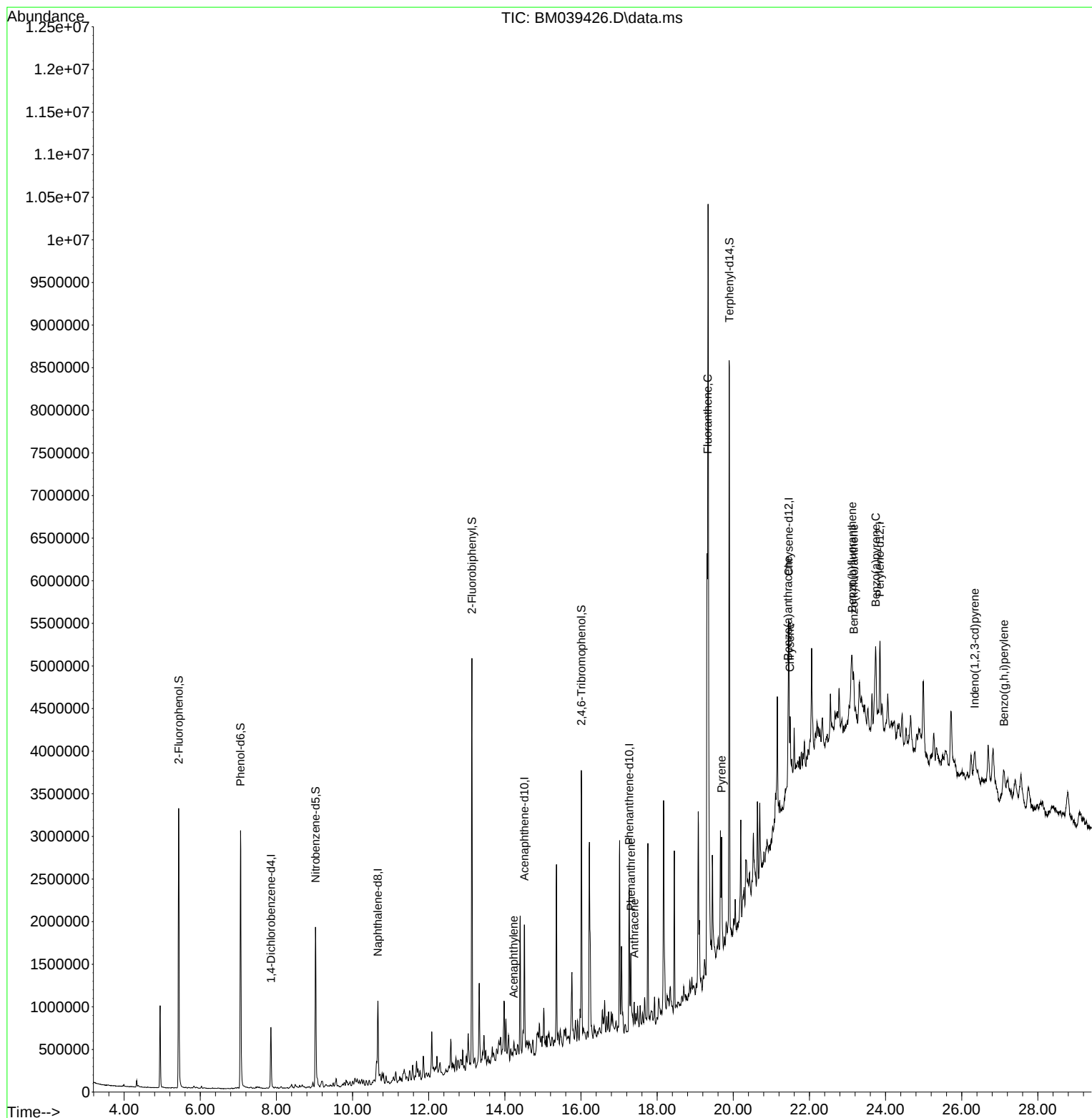
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041323\
Data File : BM039426.D
Acq On : 14 Apr 2023 00:36
Operator : CG/JU
Sample : 02308-01
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ALS Vial : 17 Sample Multiplier: 1

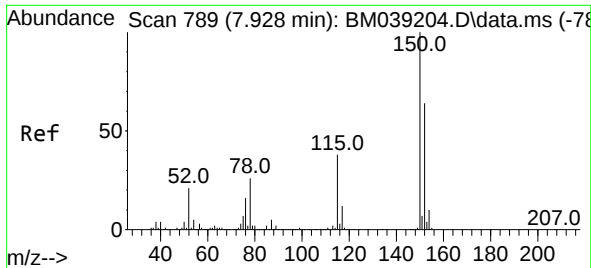
Instrument :
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Quant Time: Apr 14 05:20:15 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM032923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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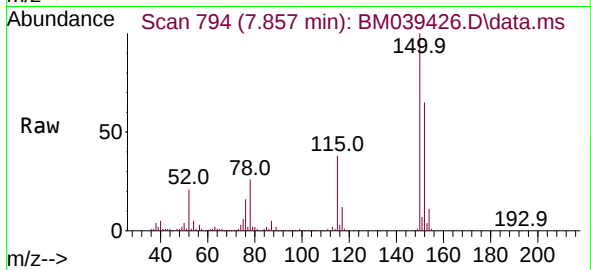
Reviewed By :Christian Giraldo 04/14/2023
Supervised By :Jagrut Upadhyay 04/14/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.857 min Scan# 794
Delta R.T. -0.006 min
Lab File: BM039426.D
Acq: 14 Apr 2023 00:36

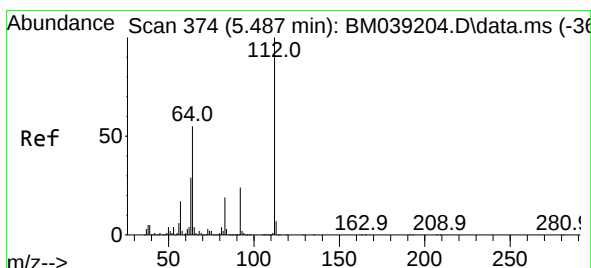
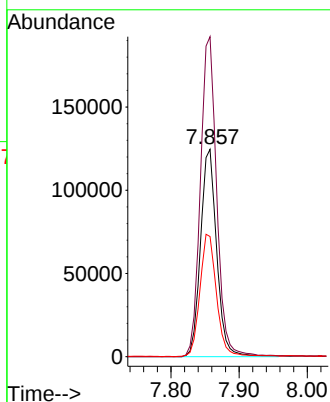
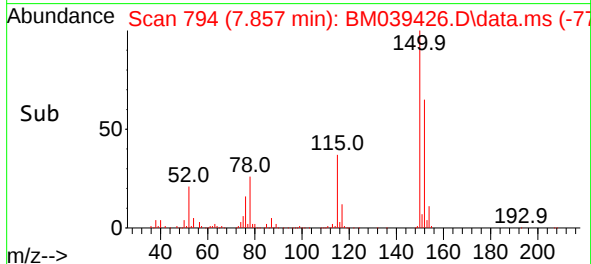
Instrument :
BNA_M
ClientSampleId :
EO-01-041223



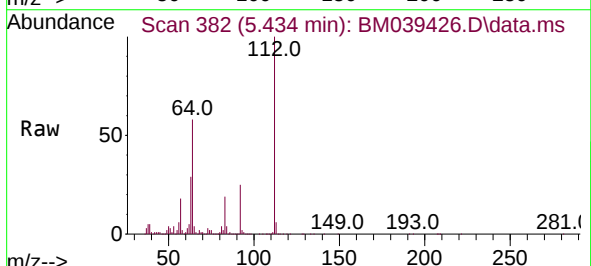
Tgt Ion:152 Resp: 20616
Ion Ratio Lower Upper
152 100
150 154.3 125.5 188.3
115 57.9 48.1 72.1

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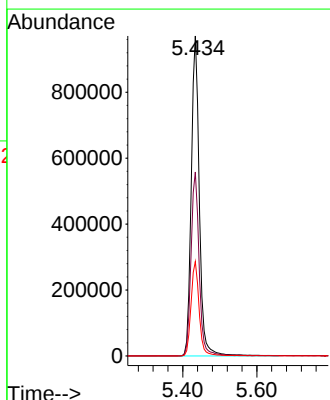
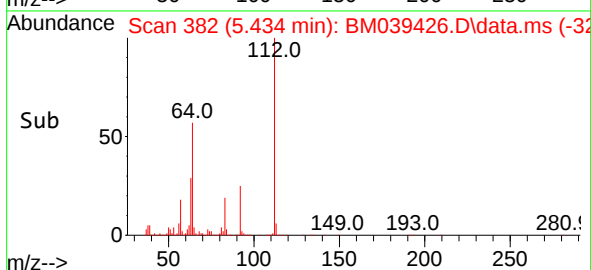
Reviewed By :Christian Giraldo 04/14/2023
Supervised By :Jagrut Upadhyay 04/14/2023

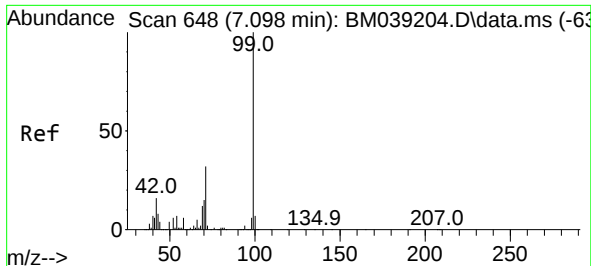


#5
2-Fluorophenol
Concen: 107.603 ng
RT: 5.434 min Scan# 382
Delta R.T. 0.012 min
Lab File: BM039426.D
Acq: 14 Apr 2023 00:36



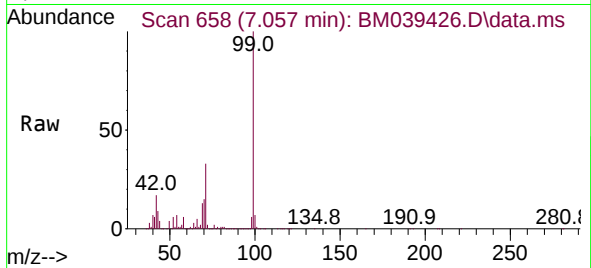
Tgt Ion:112 Resp: 1472463
Ion Ratio Lower Upper
112 100
64 57.5 44.3 66.5
63 29.5 23.0 34.6





#7
Phenol-d6
Concen: 107.095 ng
RT: 7.057 min Scan# 61
Delta R.T. 0.024 min
Lab File: BM039426.D
Acq: 14 Apr 2023 00:36

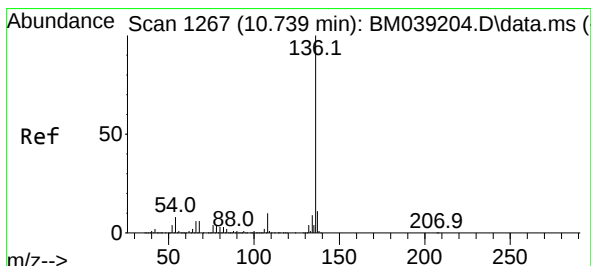
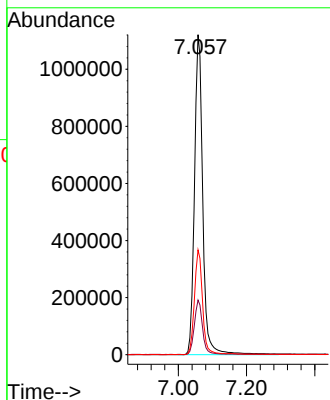
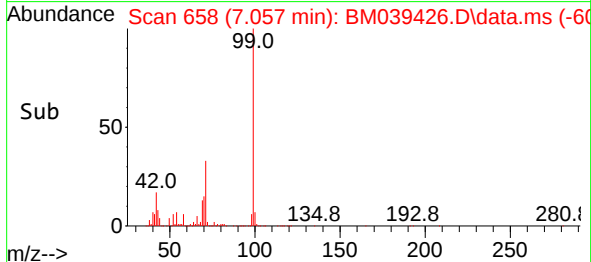
Instrument :
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ClientSampleId :
EO-01-041223



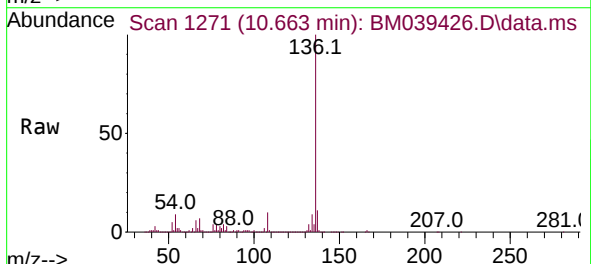
Tgt Ion: 99 Resp: 189552
Ion Ratio Lower Upper
99 100
42 17.1 13.0 19.6
71 32.7 25.5 38.3

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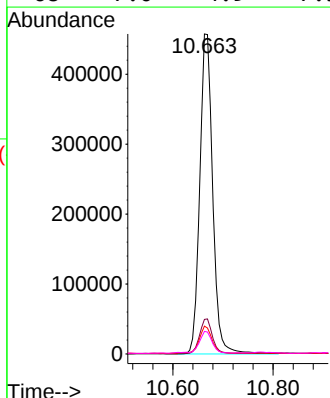
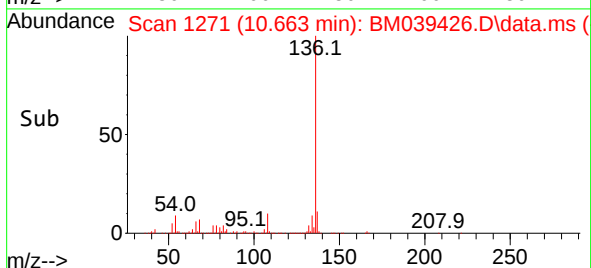
Reviewed By :Christian Giraldo 04/14/2023
Supervised By :Jagrut Upadhyay 04/14/2023

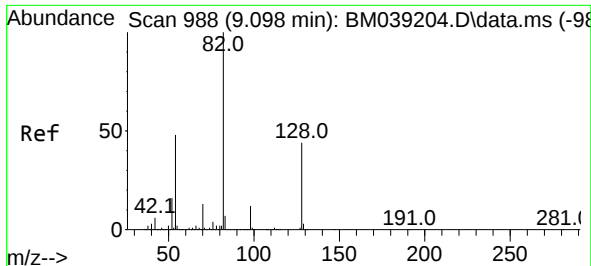


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.663 min Scan# 1271
Delta R.T. -0.012 min
Lab File: BM039426.D
Acq: 14 Apr 2023 00:36



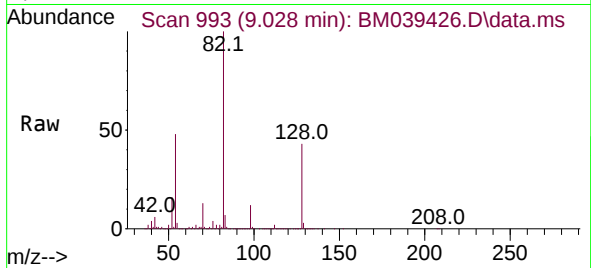
Tgt Ion:136 Resp: 821371
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 8.7 6.2 9.4
68 7.0 4.9 7.3





#23
Nitrobenzene-d5
Concen: 68.168 ng
RT: 9.028 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM039426.D
Acq: 14 Apr 2023 00:36

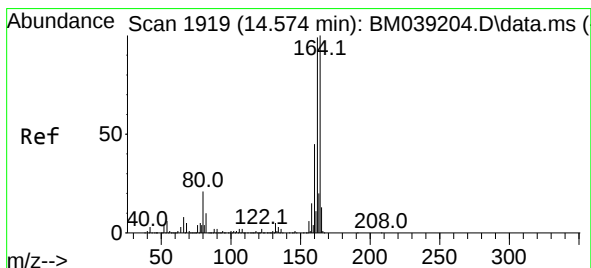
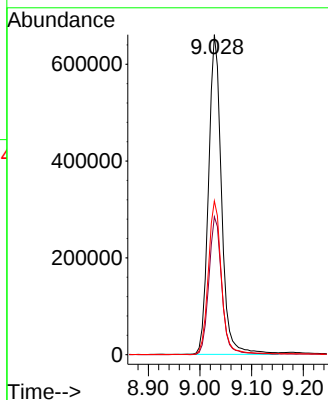
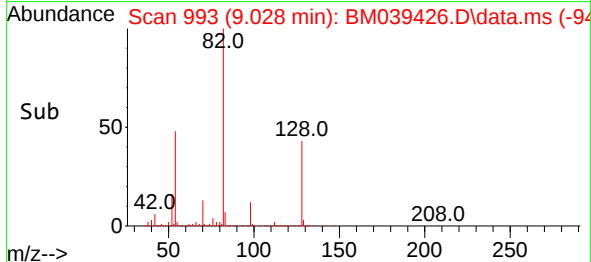
Instrument :
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ClientSampleId :
EO-01-041223



Tgt Ion: 82 Resp: 1152020
Ion Ratio Lower Upper
82 100
128 43.1 35.1 52.7
54 48.1 38.5 57.7

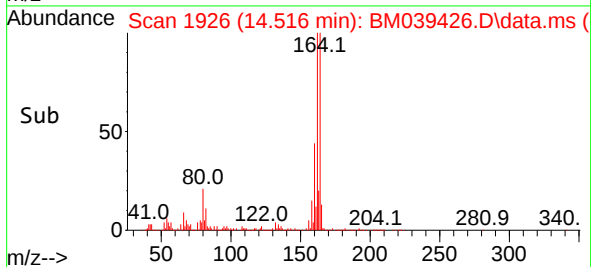
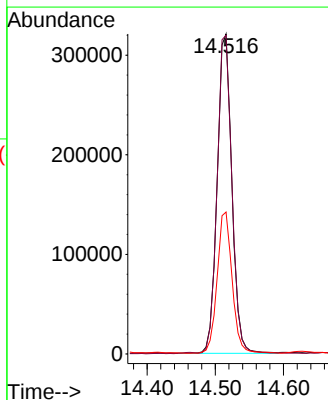
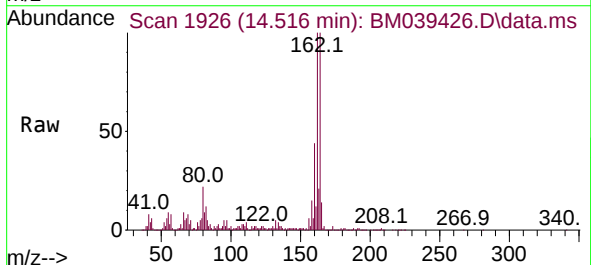
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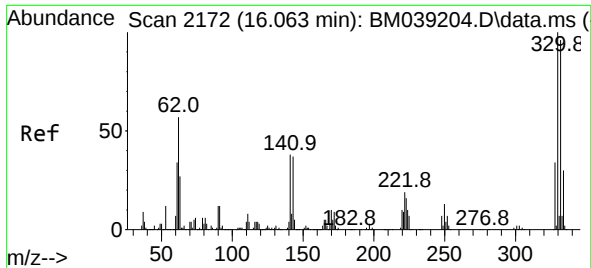
Reviewed By :Christian Giraldo 04/14/2023
Supervised By :Jagrut Upadhyay 04/14/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.516 min Scan# 1926
Delta R.T. 0.000 min
Lab File: BM039426.D
Acq: 14 Apr 2023 00:36

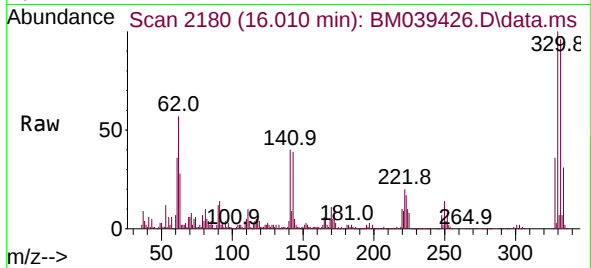
Tgt Ion:164 Resp: 479874
Ion Ratio Lower Upper
164 100
162 99.6 79.1 118.7
160 44.4 35.8 53.8





#42
 2,4,6-Tribromophenol
 Concen: 96.865 ng
 RT: 16.010 min Scan# 2172
 Delta R.T. -0.006 min
 Lab File: BM039426.D
 Acq: 14 Apr 2023 00:36

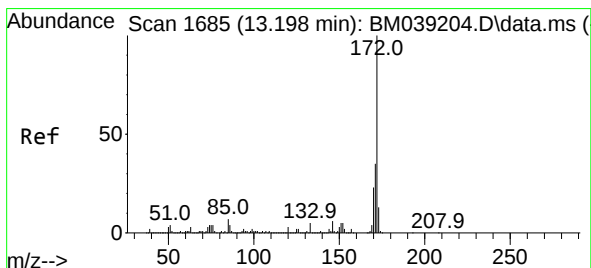
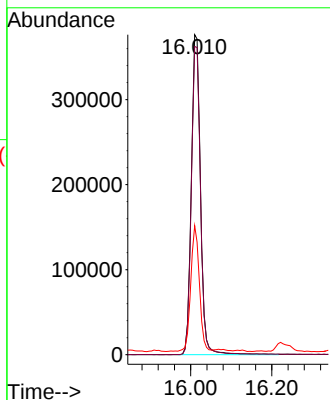
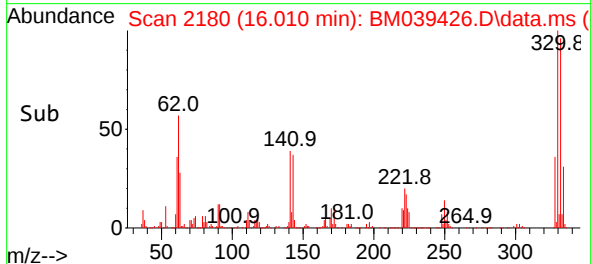
Instrument :
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 ClientSampleId :
 EO-01-041223



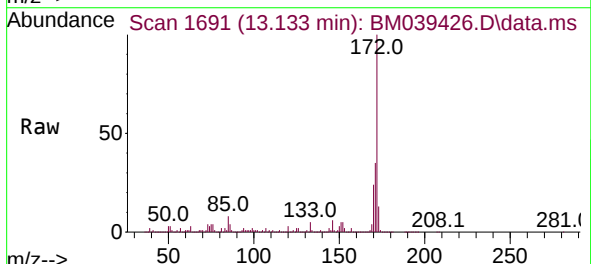
Tgt Ion:330 Resp: 590054
 Ion Ratio Lower Upper
 330 100
 332 97.0 77.4 116.0
 141 37.0 29.8 44.6

Manual Integrations
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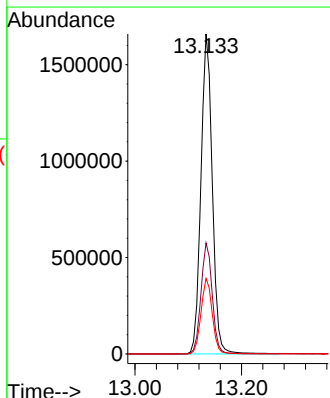
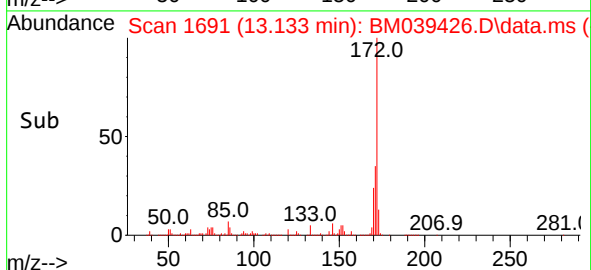
Reviewed By :Christian Giraldo 04/14/2023
 Supervised By :Jagrut Upadhyay 04/14/2023

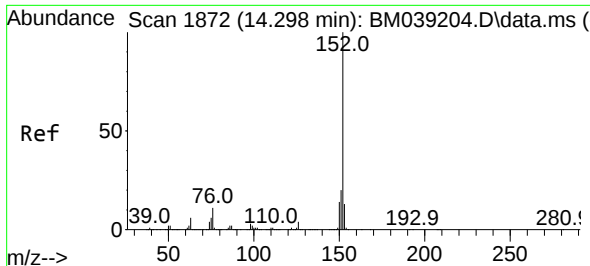


#45
 2-Fluorobiphenyl
 Concen: 69.361 ng
 RT: 13.133 min Scan# 1691
 Delta R.T. -0.006 min
 Lab File: BM039426.D
 Acq: 14 Apr 2023 00:36



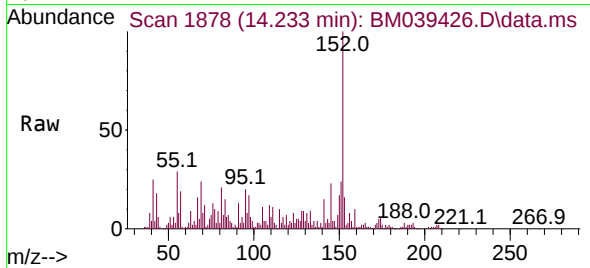
Tgt Ion:172 Resp: 2456595
 Ion Ratio Lower Upper
 172 100
 171 34.7 28.0 42.0
 170 23.6 18.7 28.1





#49
Acenaphthylene
Concen: 2.692 ng
RT: 14.233 min Scan# 1878
Delta R.T. -0.006 min
Lab File: BM039426.D
Acq: 14 Apr 2023 00:36

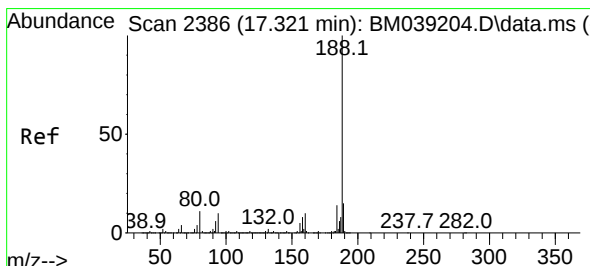
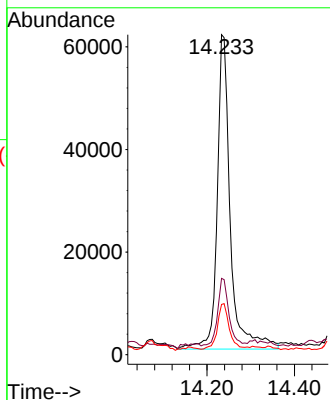
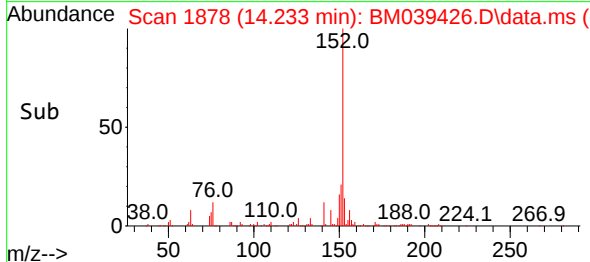
Instrument : BNA_M
ClientSampleId : EO-01-041223



Tgt Ion:152 Resp: 126952
Ion Ratio Lower Upper
152 100
151 23.9 15.7 23.5
153 15.7 10.3 15.5

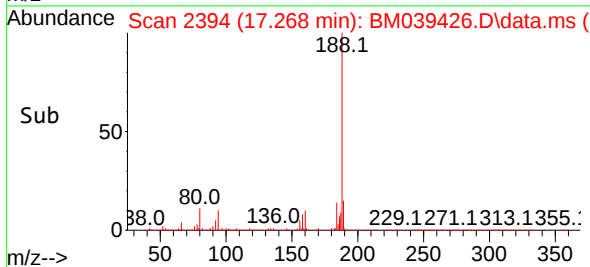
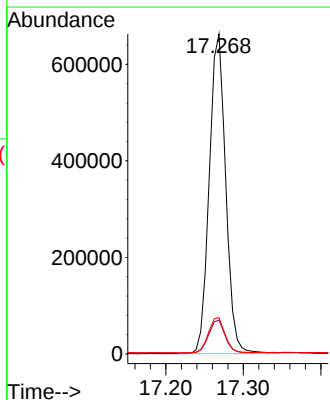
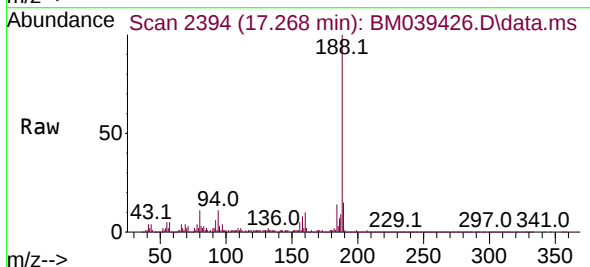
Manual Integrations
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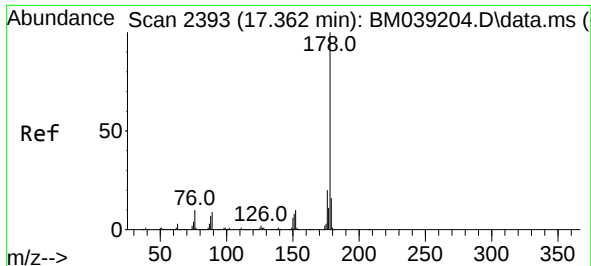
Reviewed By :Christian Giraldo 04/14/2023
Supervised By :Jagrut Upadhyay 04/14/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.268 min Scan# 2394
Delta R.T. 0.000 min
Lab File: BM039426.D
Acq: 14 Apr 2023 00:36

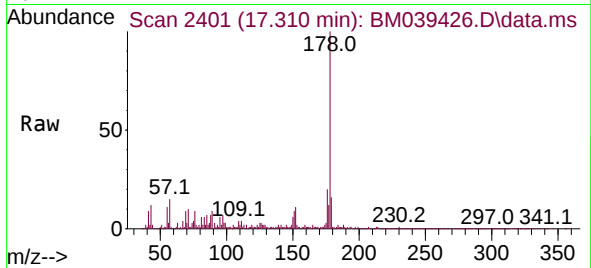
Tgt Ion:188 Resp: 978883
Ion Ratio Lower Upper
188 100
94 10.6 8.2 12.4
80 11.3 8.9 13.3





#71
Phenanthrene
Concen: 8.558 ng
RT: 17.310 min Scan# 2410
Delta R.T. 0.000 min
Lab File: BM039426.D
Acq: 14 Apr 2023 00:36

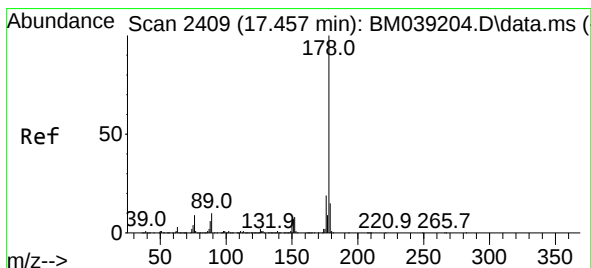
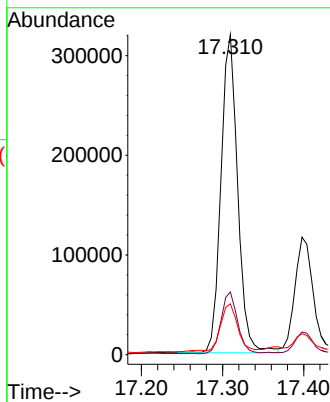
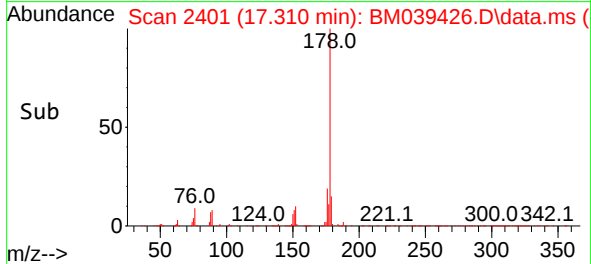
Instrument :
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Tgt Ion:178 Resp: 458792
Ion Ratio Lower Upper
178 100
176 19.6 15.7 23.5
179 15.9 12.4 18.6

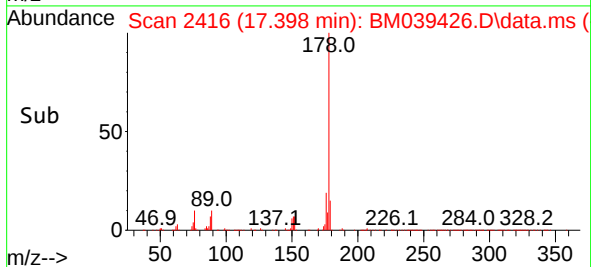
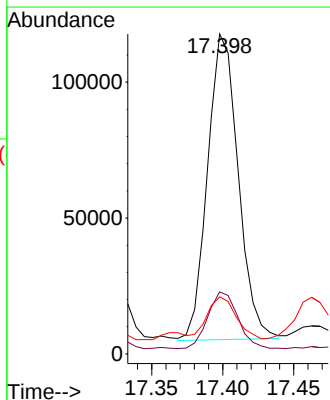
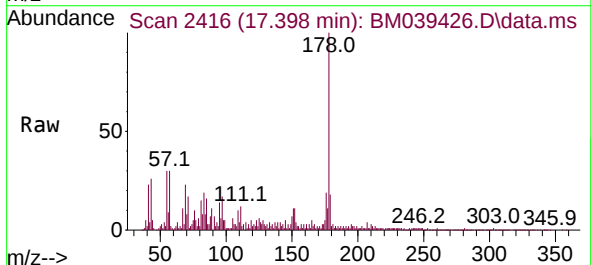
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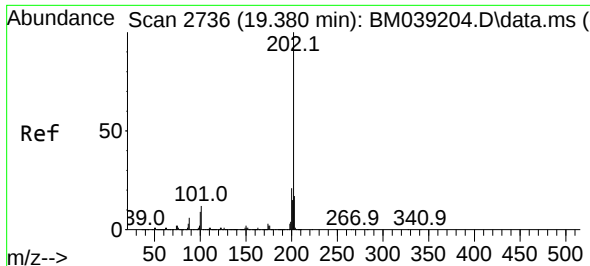
Reviewed By :Christian Giraldo 04/14/2023
Supervised By :Jagrut Upadhyay 04/14/2023



#72
Anthracene
Concen: 3.085 ng
RT: 17.398 min Scan# 2416
Delta R.T. -0.006 min
Lab File: BM039426.D
Acq: 14 Apr 2023 00:36

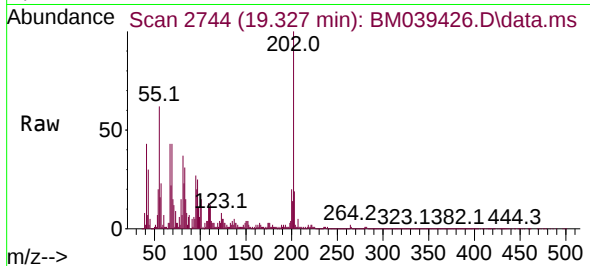
Tgt Ion:178 Resp: 168671
Ion Ratio Lower Upper
178 100
176 19.4 14.9 22.3
179 17.9 12.2 18.2





#75
Fluoranthene
Concen: 13.164 ng
RT: 19.327 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM039426.D
Acq: 14 Apr 2023 00:36

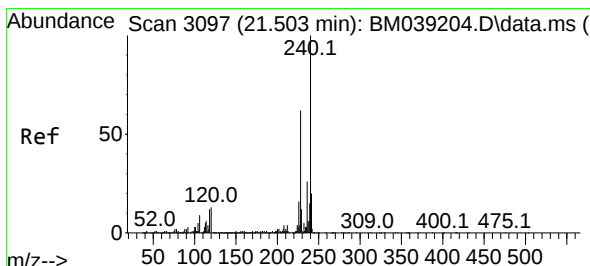
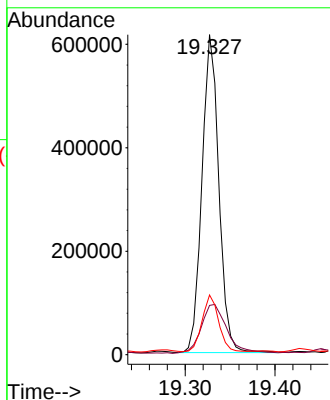
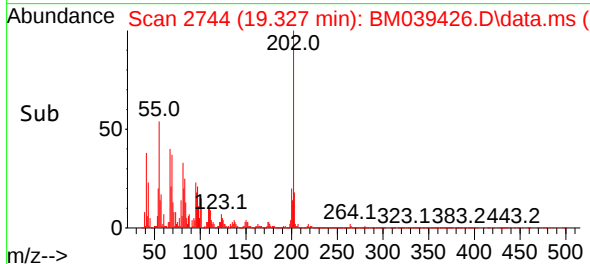
Instrument :
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Tgt Ion:202 Resp: 804489
Ion Ratio Lower Upper
202 100
101 15.4 0.0 32.5
203 18.7 0.0 37.5

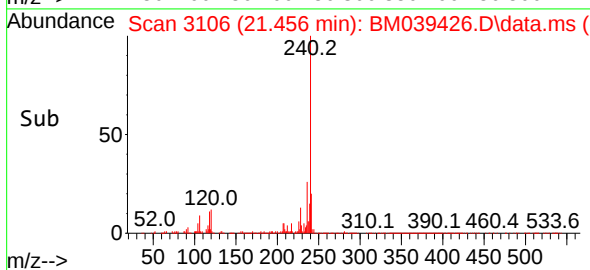
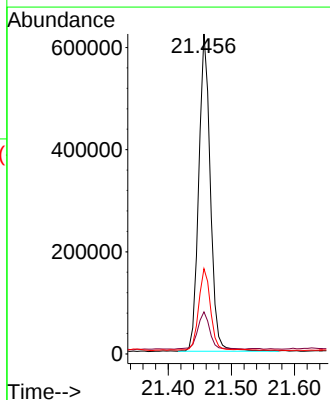
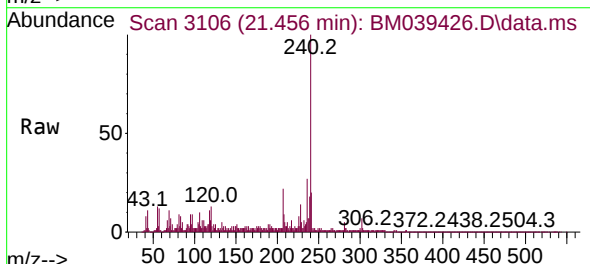
Manual Integrations
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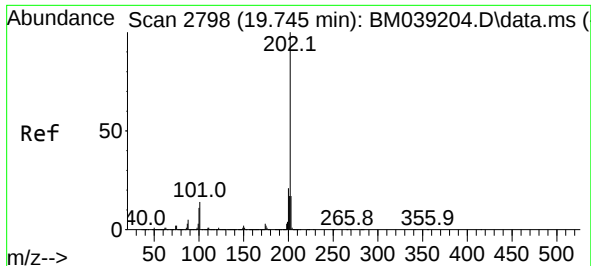
Reviewed By :Christian Giraldo 04/14/2023
Supervised By :Jagrut Upadhyay 04/14/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.456 min Scan# 3106
Delta R.T. -0.006 min
Lab File: BM039426.D
Acq: 14 Apr 2023 00:36

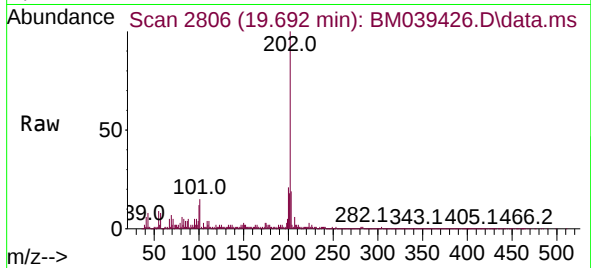
Tgt Ion:240 Resp: 789558
Ion Ratio Lower Upper
240 100
120 13.2 10.2 15.2
236 26.7 20.9 31.3





#78
Pyrene
Concen: 14.261 ng
RT: 19.692 min Scan# 2806
Delta R.T. -0.006 min
Lab File: BM039426.D
Acq: 14 Apr 2023 00:36

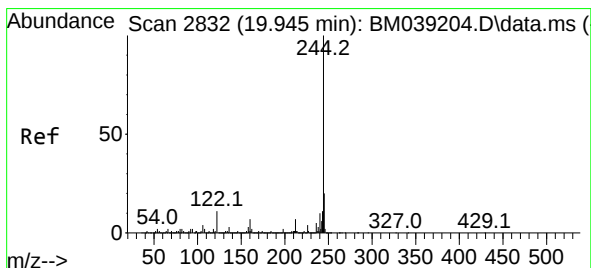
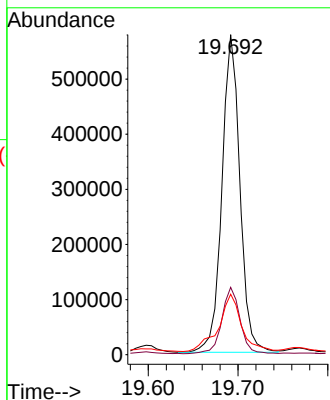
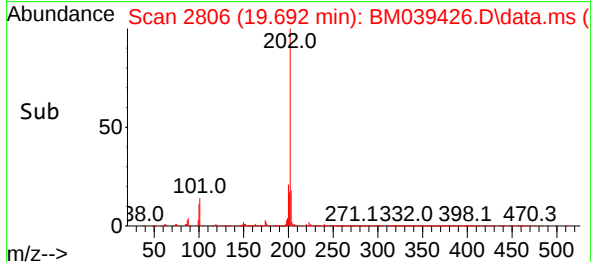
Instrument :
BNA_M
ClientSampleId :
EO-01-041223



Tgt Ion:202 Resp: 801602
Ion Ratio Lower Upper
202 100
200 21.0 17.1 25.7
203 18.9 13.9 20.9

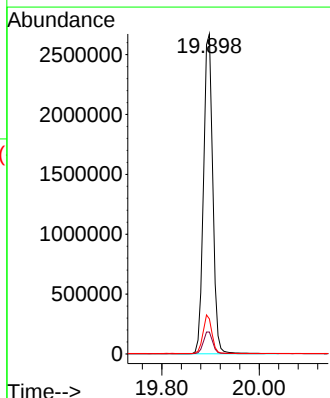
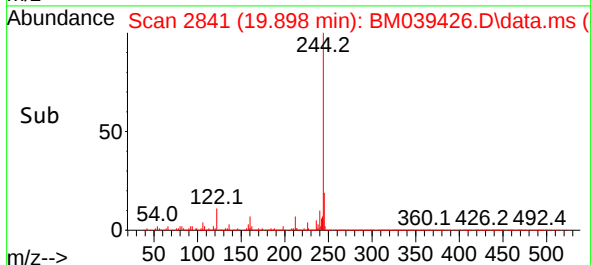
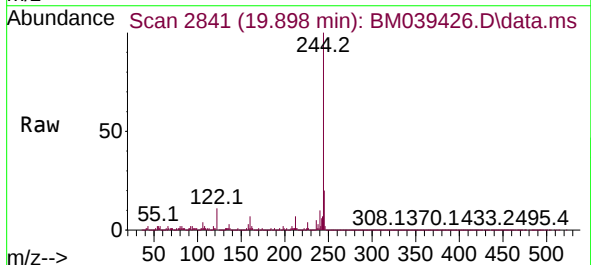
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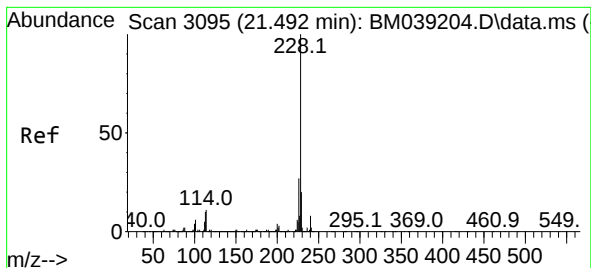
Reviewed By :Christian Giraldo 04/14/2023
Supervised By :Jagrut Upadhyay 04/14/2023



#79
Terphenyl-d14
Concen: 81.953 ng
RT: 19.898 min Scan# 2841
Delta R.T. 0.000 min
Lab File: BM039426.D
Acq: 14 Apr 2023 00:36

Tgt Ion:244 Resp: 3502275
Ion Ratio Lower Upper
244 100
212 6.9 5.6 8.4
122 11.0 9.1 13.7





#81

Benzo(a)anthracene

Concen: 7.367 ng

RT: 21.439 min Scan# 3103

Delta R.T. -0.006 min

Lab File: BM039426.D

Acq: 14 Apr 2023 00:36

Instrument :

BNA_M

ClientSampleId :

EO-01-041223

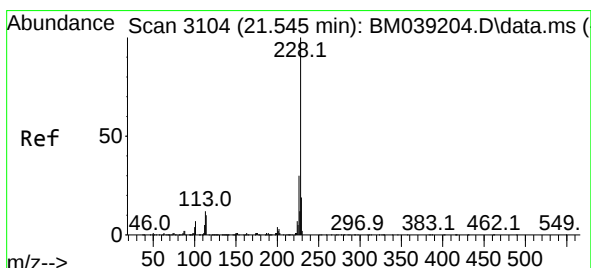
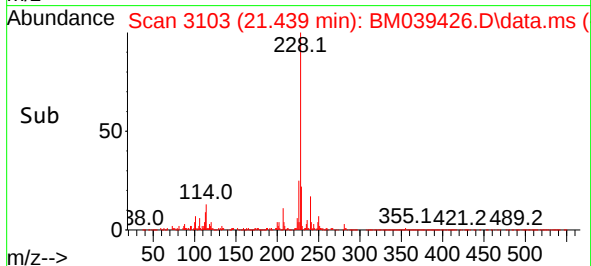
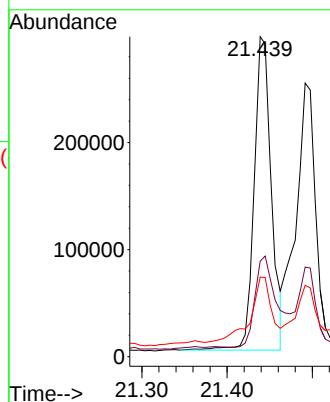
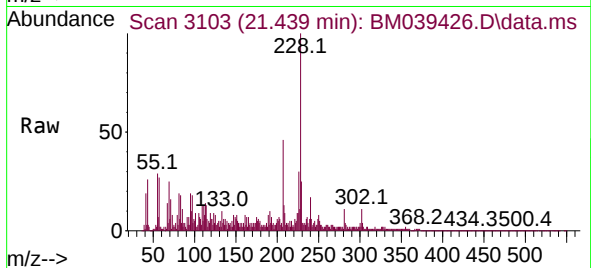
Tgt Ion:228 Resp: 41025
 Ion Ratio Lower Upper
 228 100
 226 29.8 21.9 32.9
 229 24.9 15.8 23.6

Manual Integrations

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Reviewed By :Christian Giraldo 04/14/2023

Supervised By :Jagrut Upadhyay 04/14/2023



#83

Chrysene

Concen: 7.562 ng

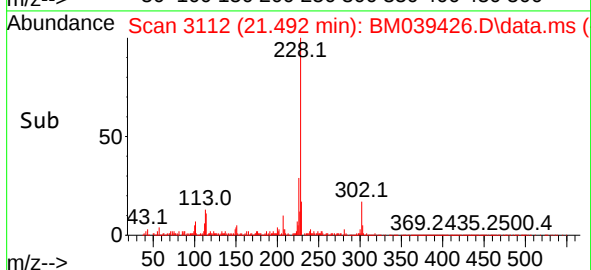
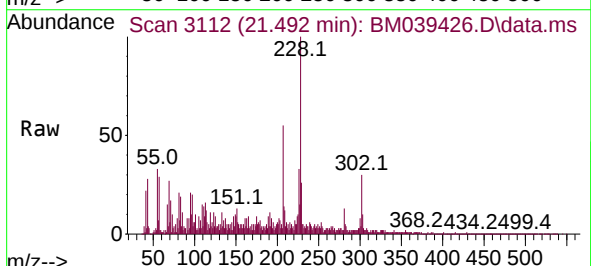
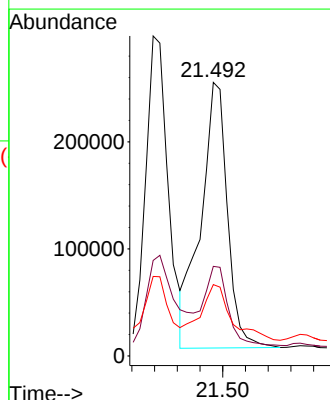
RT: 21.492 min Scan# 3112

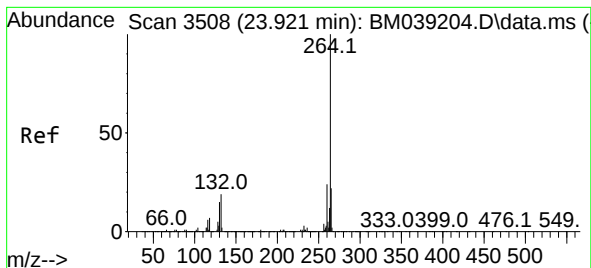
Delta R.T. -0.012 min

Lab File: BM039426.D

Acq: 14 Apr 2023 00:36

Tgt Ion:228 Resp: 406488
 Ion Ratio Lower Upper
 228 100
 226 32.7 24.1 36.1
 229 26.1 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: BM039426.D

Acq: 14 Apr 2023 00:36

Instrument :

BNA_M

ClientSampleId :

EO-01-041223

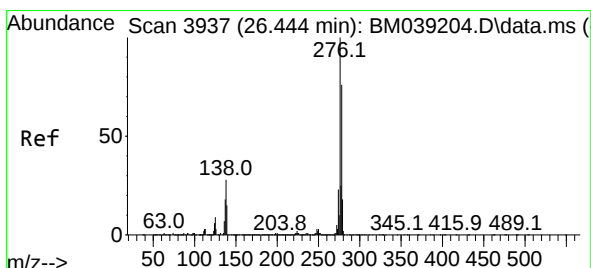
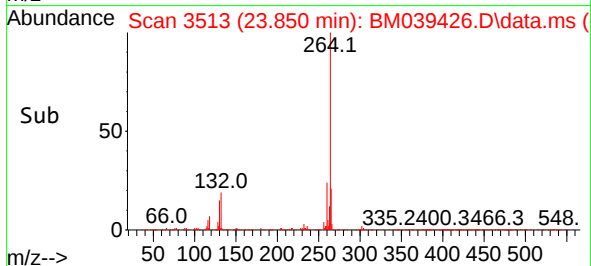
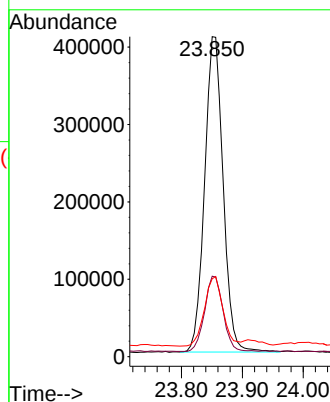
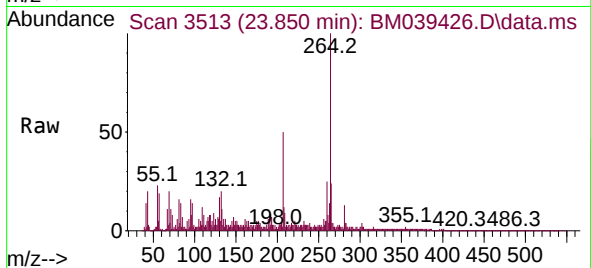
Tgt Ion:	264	Resp:	861060
Ion Ratio	Lower	Upper	
264	100		
260	25.1	19.0	28.6
265	24.4	18.1	27.1

Manual Integrations

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Reviewed By :Christian Giraldo 04/14/2023

Supervised By :Jagrut Upadhyay 04/14/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.923 ng

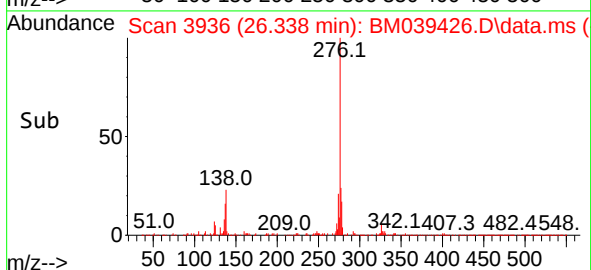
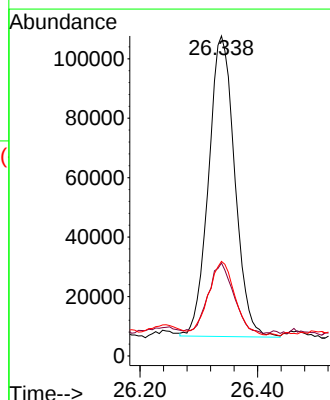
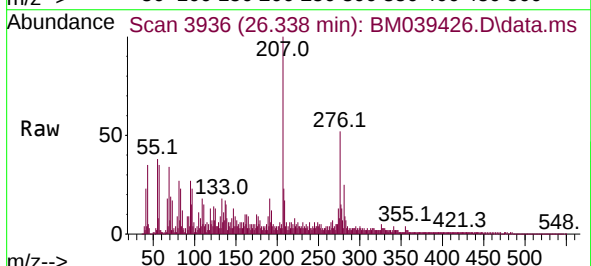
RT: 26.338 min Scan# 3936

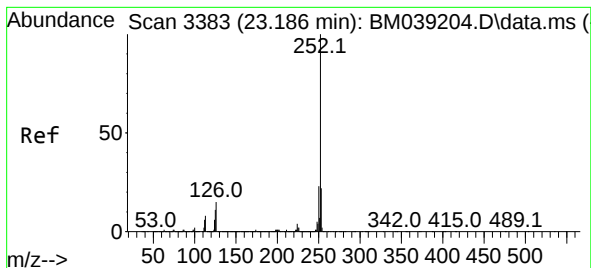
Delta R.T. 0.000 min

Lab File: BM039426.D

Acq: 14 Apr 2023 00:36

Tgt Ion:	276	Resp:	312345
Ion Ratio	Lower	Upper	
276	100		
138	22.7	22.2	33.2
277	24.6	20.2	30.2





#88

Benzo(b)fluoranthene

Concen: 11.173 ng

RT: 23.121 min Scan# 3389

Delta R.T. -0.006 min

Lab File: BM039426.D

Acq: 14 Apr 2023 00:36

Instrument :

BNA_M

ClientSampleId :

EO-01-041223

Tgt Ion:252 Resp: 58864

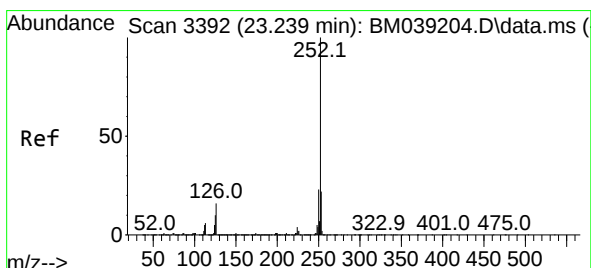
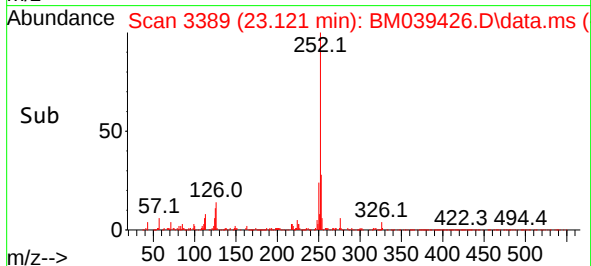
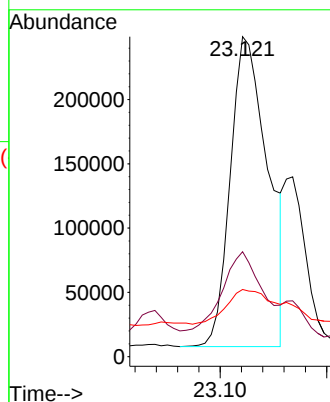
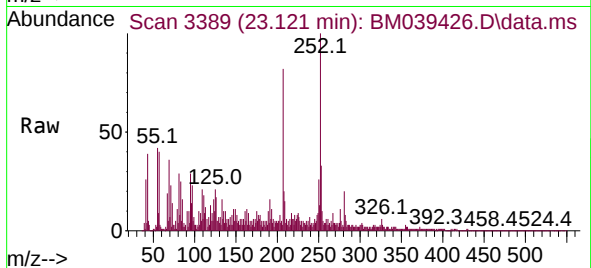
Ion	Ratio	Lower	Upper
252	100		
253	32.8	17.6	26.4
125	21.0	9.0	13.6

Manual Integrations

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Reviewed By :Christian Giraldo 04/14/2023

Supervised By :Jagrut Upadhyay 04/14/2023



#89

Benzo(k)fluoranthene

Concen: 3.488 ng m

RT: 23.168 min Scan# 3397

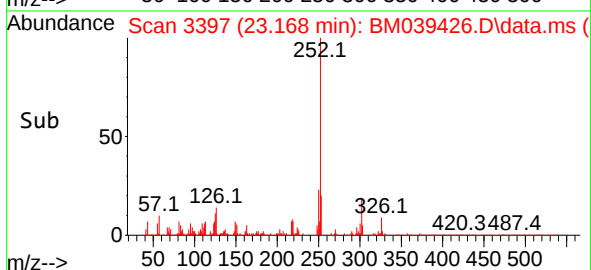
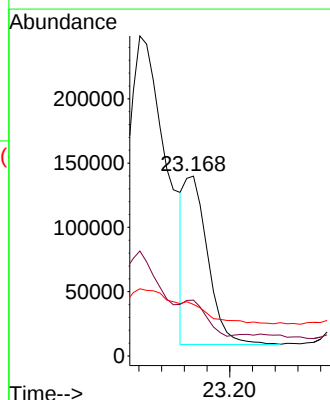
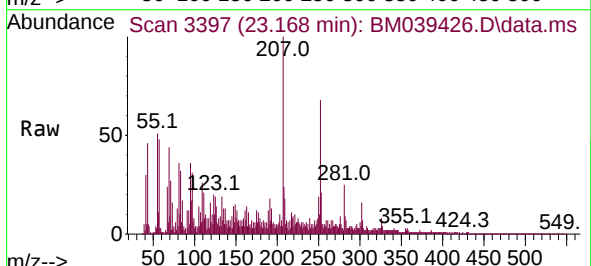
Delta R.T. -0.006 min

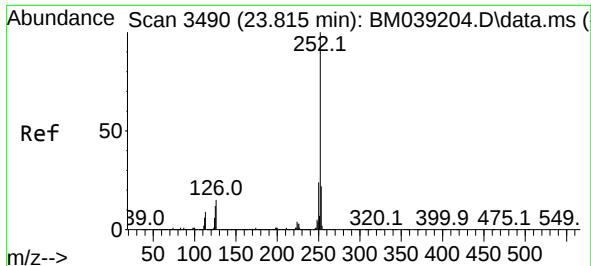
Lab File: BM039426.D

Acq: 14 Apr 2023 00:36

Tgt Ion:252 Resp: 187163

Ion	Ratio	Lower	Upper
252	100		
253	31.1	17.8	26.8
125	28.6	8.5	12.7





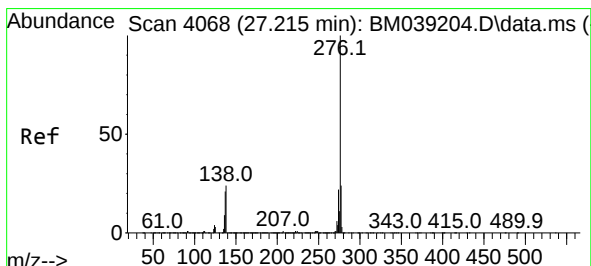
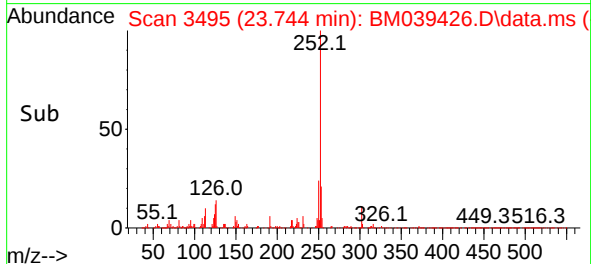
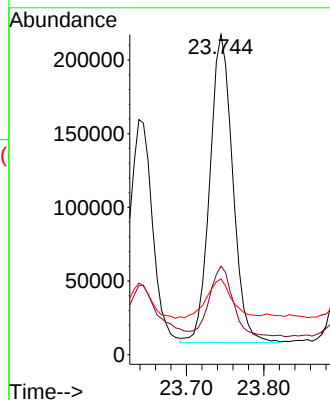
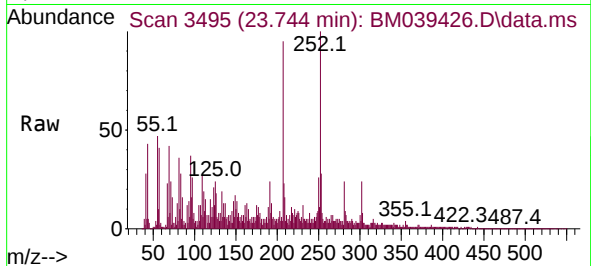
#90
Benzo(a)pyrene
Concen: 8.290 ng
RT: 23.744 min Scan# 3490
Delta R.T. -0.006 min
Lab File: BM039426.D
Acq: 14 Apr 2023 00:36

Instrument :
BNA_M
ClientSampleId :
EO-01-041223

Tgt Ion:252 Resp: 42905
Ion Ratio Lower Upper
252 100
253 27.6 17.6 26.4
125 23.7 9.8 14.6

Manual Integrations
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Reviewed By :Christian Giraldo 04/14/2023
Supervised By :Jagrut Upadhyay 04/14/2023



#92
Benzo(g,h,i)perylene
Concen: 6.389 ng
RT: 27.109 min Scan# 4067
Delta R.T. 0.006 min
Lab File: BM039426.D
Acq: 14 Apr 2023 00:36

Tgt Ion:276 Resp: 334710
Ion Ratio Lower Upper
276 100
277 29.4 19.1 28.7
138 27.6 19.5 29.3

