

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060622\
 Data File : BP010706.D
 Acq On : 06 Jun 2022 16:52
 Operator : CG/JU
 Sample : N3139-03DL 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 COMP-3DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 06/07/2022
 Supervised By : Jagrut Upadhyay 06/07/2022

Quant Time: Jun 07 05:17:24 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052822.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 06 15:39:44 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.846	152	125984	20.000	ng	0.00
21) Naphthalene-d8	10.646	136	522058	20.000	ng	0.00
39) Acenaphthene-d10	14.487	164	327914	20.000	ng	0.00
64) Phenanthrene-d10	17.239	188	696043	20.000	ng	0.00
76) Chrysene-d12	21.333	240	763957	20.000	ng	0.00
86) Perylene-d12	23.739	264	727973	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	175786	25.455	ng	0.00
7) Phenol-d6	7.028	99	246541	25.147	ng	0.00
23) Nitrobenzene-d5	9.010	82	166306	15.061	ng	0.00
42) 2,4,6-Tribromophenol	15.981	330	99545	26.818	ng	0.00
45) 2-Fluorobiphenyl	13.110	172	351339	15.206	ng	0.00
79) Terphenyl-d14	19.798	244	564995	13.891	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	14.551	154	62848	3.467	ng	98
55) Dibenzofuran	14.887	168	72854	2.541	ng	98
58) Fluorene	15.534	166	100174	4.274	ng	98
71) Phenanthrene	17.287	178	1768182	46.323	ng	99
72) Anthracene	17.375	178	321268	8.790	ng	99
73) Carbazole	17.645	167	165744	5.336	ng	98
75) Fluoranthene	19.257	202	2806330	67.689	ng	99
78) Pyrene	19.604	202	2344403	44.035	ng	99
81) Benzo(a)anthracene	21.316	228	1343197	26.797	ng	98
83) Chrysene	21.369	228	1185240	24.108	ng	97
87) Indeno(1,2,3-cd)pyrene	26.245	276	589620	11.110	ng	96
88) Benzo(b)fluoranthene	23.010	252	1456803	31.784	ng	99
89) Benzo(k)fluoranthene	23.051	252	486842m	10.478	ng	
90) Benzo(a)pyrene	23.633	252	979850	25.845	ng	98
91) Dibenzo(a,h)anthracene	26.245	278	159188	3.586	ng	# 91
92) Benzo(g,h,i)perylene	27.015	276	547219	12.401	ng	98

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

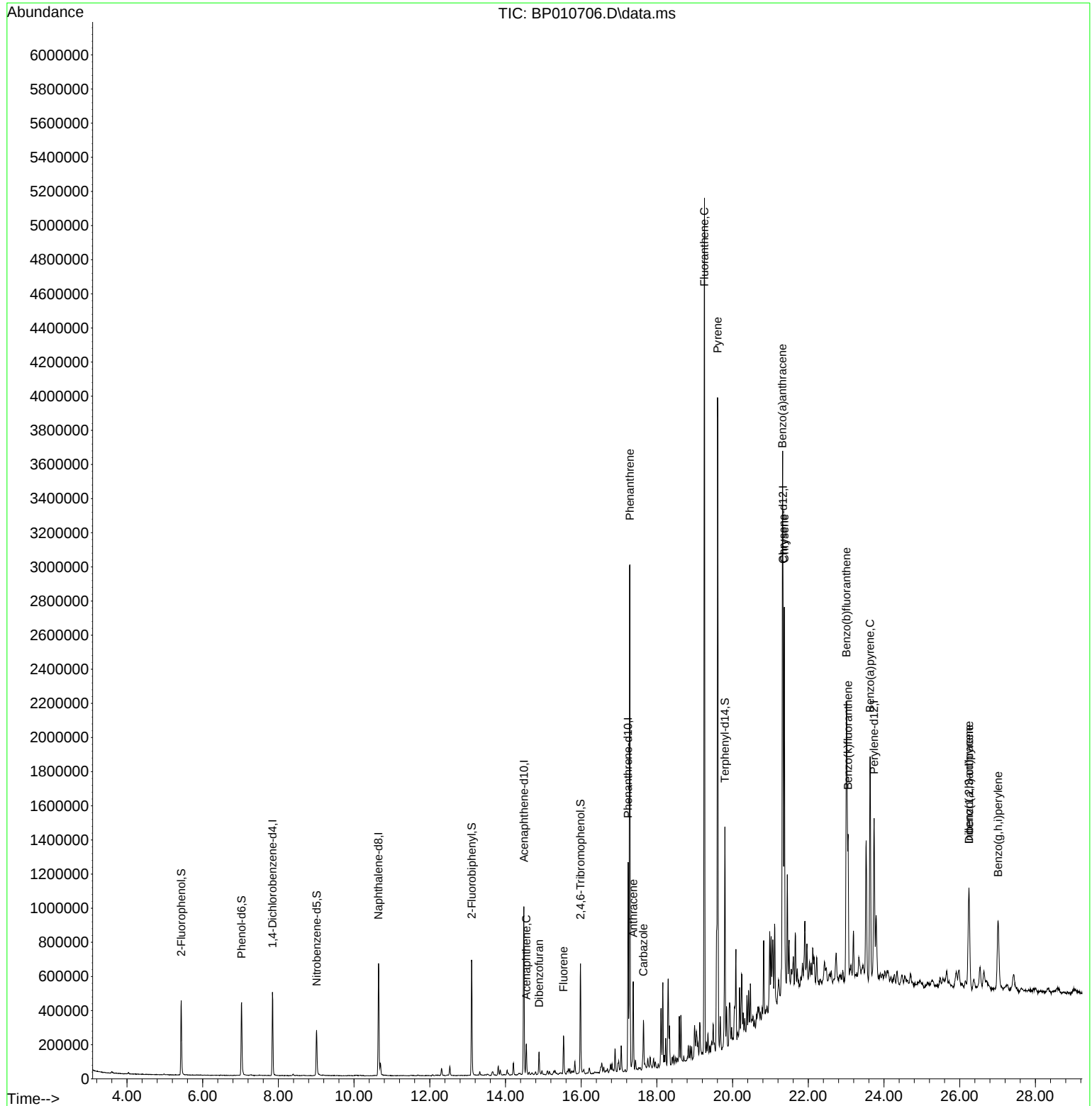
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060622\
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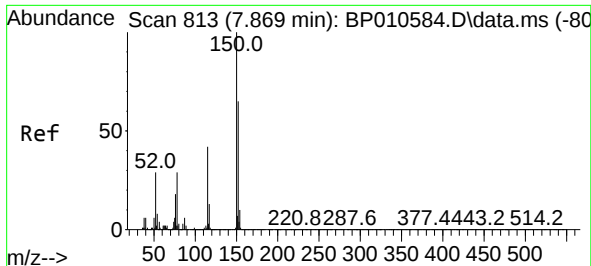
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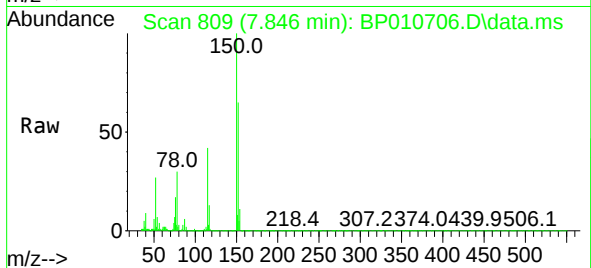
Reviewed By : Christian Giraldo 06/07/2022
Supervised By : Jagrut Upadhyay 06/07/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.846 min Scan# 80
Delta R.T. -0.006 min
Lab File: BP010706.D
Acq: 06 Jun 2022 16:52

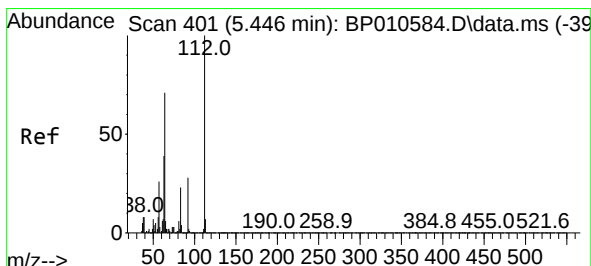
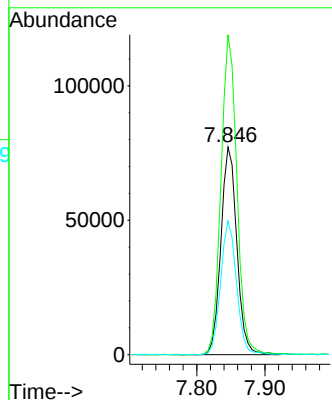
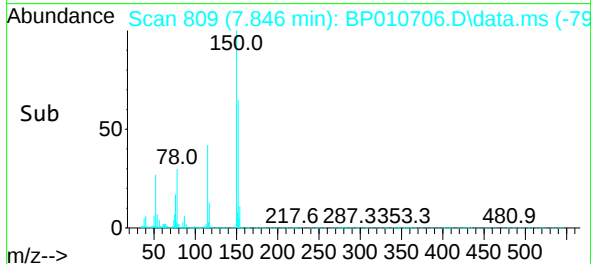
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ClientSampleId :
COMP-3DL



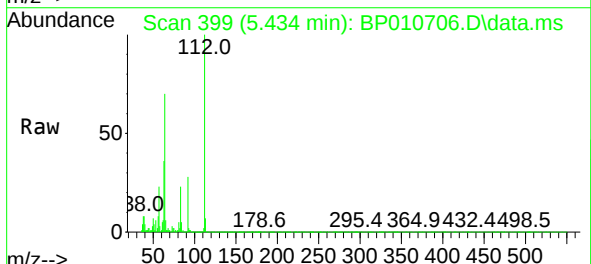
Tgt Ion:152 Resp: 125984
Ion Ratio Lower Upper
152 100
150 154.2 123.4 185.2
115 64.4 51.3 76.9

Manual Integrations
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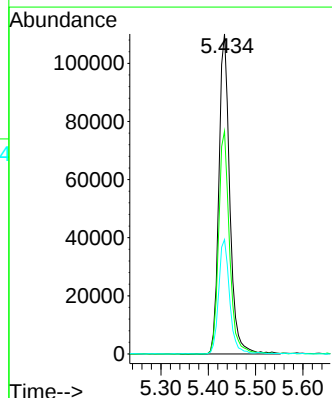
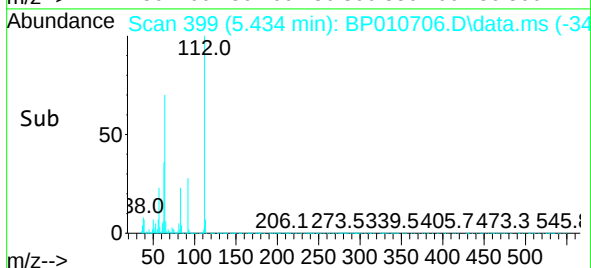
Reviewed By :Christian Giraldo 06/07/2022
Supervised By :Jagrut Upadhyay 06/07/2022

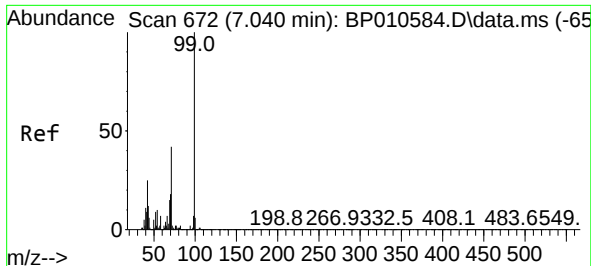


#5
2-Fluorophenol
Concen: 25.455 ng
RT: 5.434 min Scan# 399
Delta R.T. -0.000 min
Lab File: BP010706.D
Acq: 06 Jun 2022 16:52



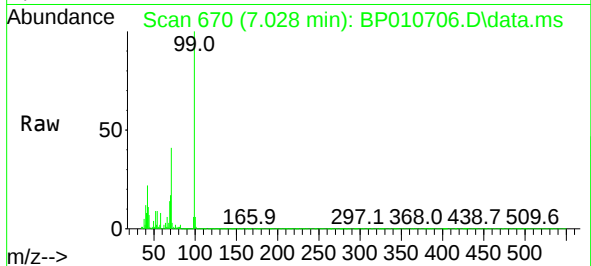
Tgt Ion:112 Resp: 175786
Ion Ratio Lower Upper
112 100
64 69.6 56.9 85.3
63 35.7 31.2 46.8





#7
Phenol-d6
Concen: 25.147 ng
RT: 7.028 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP010706.D
Acq: 06 Jun 2022 16:52

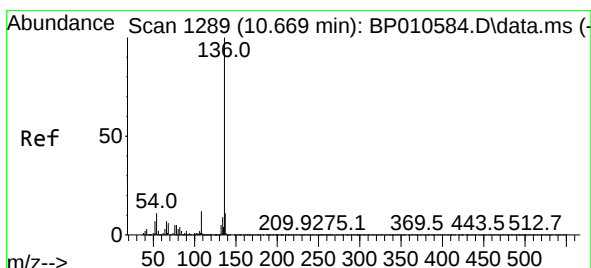
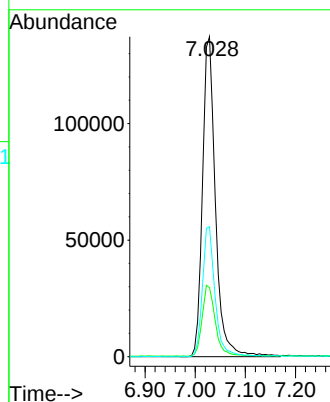
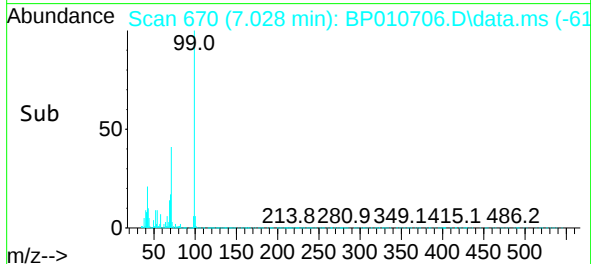
Instrument :
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ClientSampleId :
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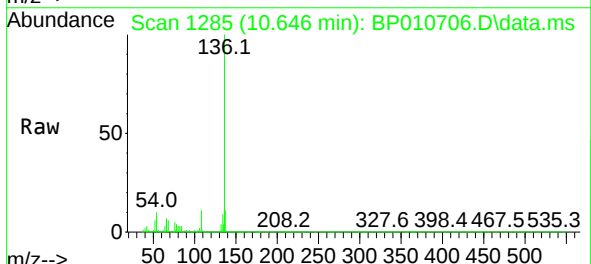
Tgt Ion: 99 Resp: 24654
Ion Ratio Lower Upper
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42 21.6 20.3 30.5
71 40.6 33.9 50.9

Manual Integrations
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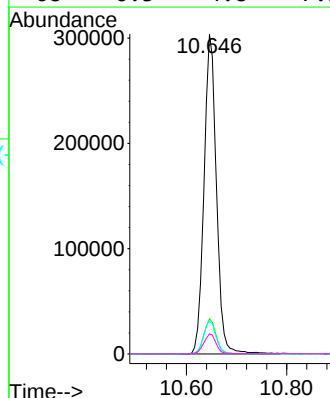
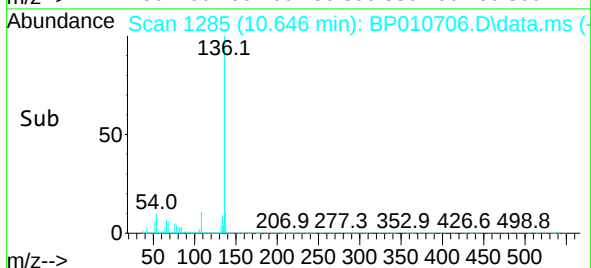
Reviewed By :Christian Giraldo 06/07/2022
Supervised By :Jagrut Upadhyay 06/07/2022

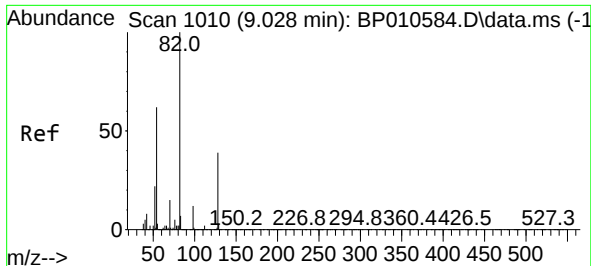


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.646 min Scan# 1285
Delta R.T. -0.000 min
Lab File: BP010706.D
Acq: 06 Jun 2022 16:52



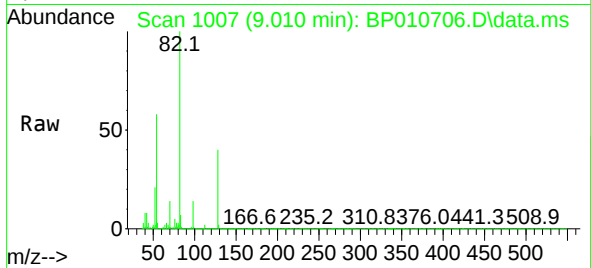
Tgt Ion:136 Resp: 522058
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.4
54 10.3 8.7 13.1
68 6.3 4.8 7.2





#23
Nitrobenzene-d5
Concen: 15.061 ng
RT: 9.010 min Scan# 1010
Delta R.T. -0.000 min
Lab File: BP010706.D
Acq: 06 Jun 2022 16:52

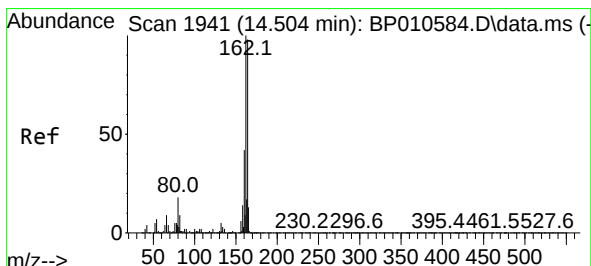
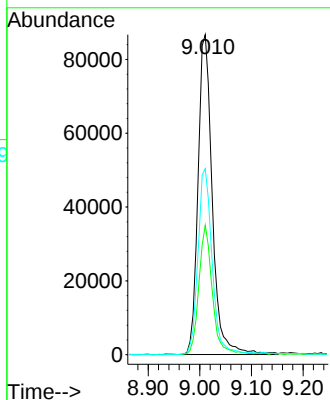
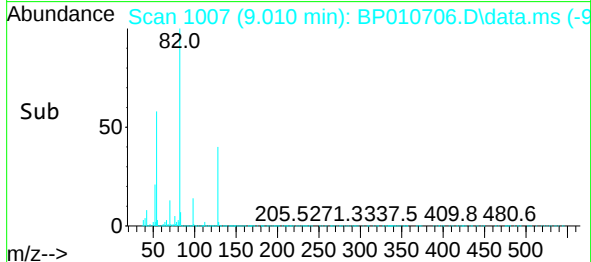
Instrument :
BNA_P
ClientSampleId :
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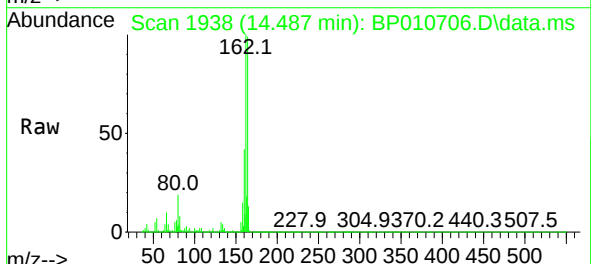
Tgt Ion: 82 Resp: 166300
Ion Ratio Lower Upper
82 100
128 40.4 31.3 46.9
54 58.1 49.8 74.8

Manual Integrations
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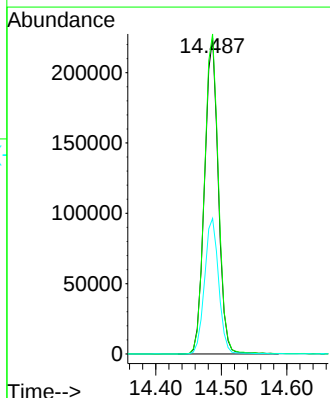
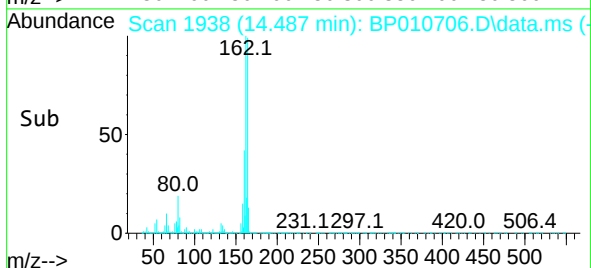
Reviewed By :Christian Giraldo 06/07/2022
Supervised By :Jagrut Upadhyay 06/07/2022

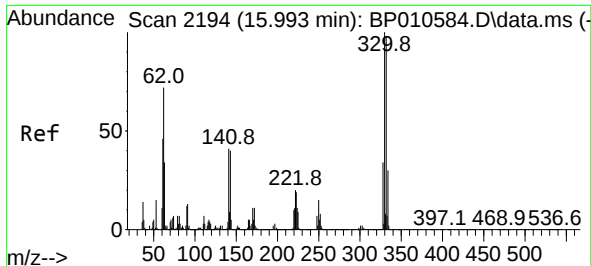


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.487 min Scan# 1938
Delta R.T. -0.000 min
Lab File: BP010706.D
Acq: 06 Jun 2022 16:52



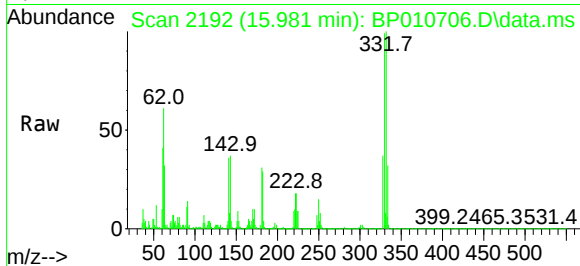
Tgt Ion:164 Resp: 327914
Ion Ratio Lower Upper
164 100
162 101.3 81.9 122.9
160 42.9 34.6 51.8





#42
2,4,6-Tribromophenol
Concen: 26.818 ng
RT: 15.981 min Scan# 2194
Delta R.T. -0.000 min
Lab File: BP010706.D
Acq: 06 Jun 2022 16:52

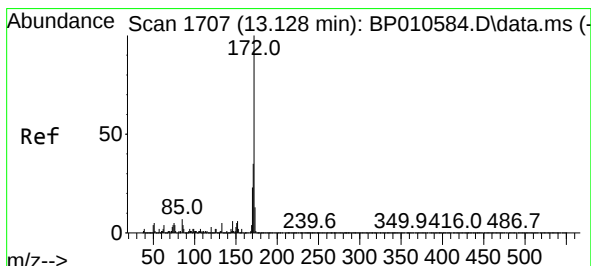
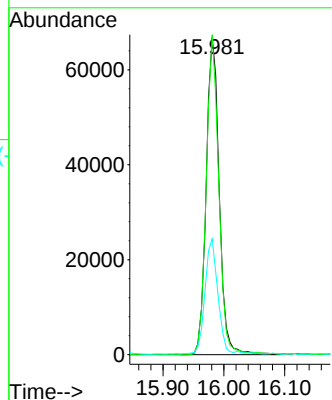
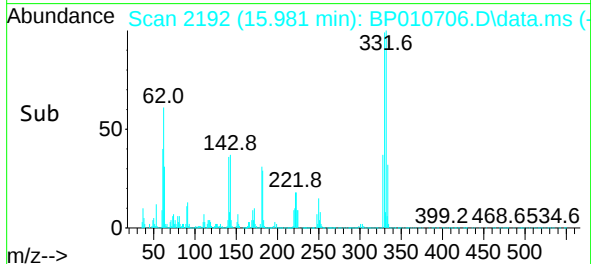
Instrument :
BNA_P
ClientSampleId :
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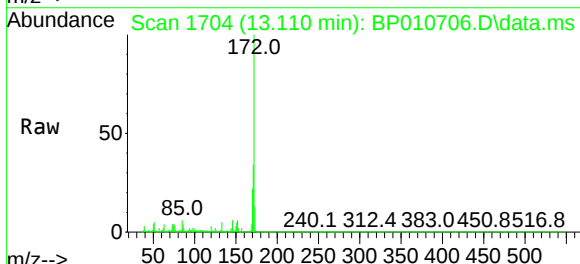
Tgt Ion: 330 Resp: 9954
Ion Ratio Lower Upper
330 100
332 96.2 78.1 117.1
141 36.0 31.4 47.2

Manual Integrations
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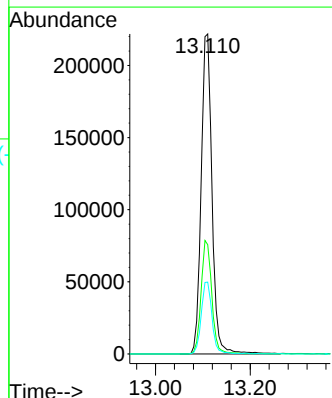
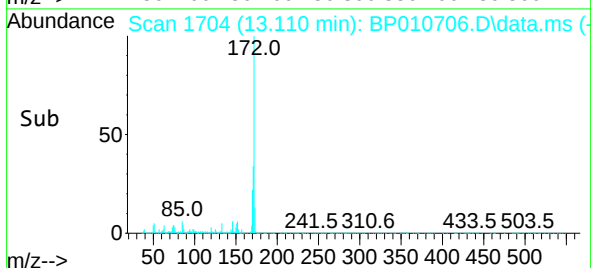
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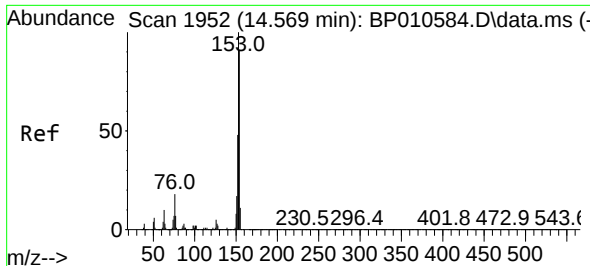


#45
2-Fluorobiphenyl
Concen: 15.206 ng
RT: 13.110 min Scan# 1704
Delta R.T. -0.000 min
Lab File: BP010706.D
Acq: 06 Jun 2022 16:52



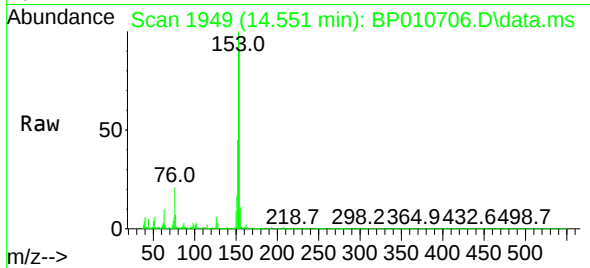
Tgt Ion: 172 Resp: 351339
Ion Ratio Lower Upper
172 100
171 34.2 27.9 41.9
170 22.4 18.2 27.2





#52
Acenaphthene
Concen: 3.467 ng
RT: 14.551 min Scan# 1952
Delta R.T. -0.000 min
Lab File: BP010706.D
Acq: 06 Jun 2022 16:52

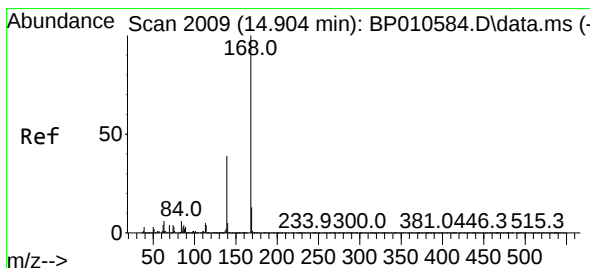
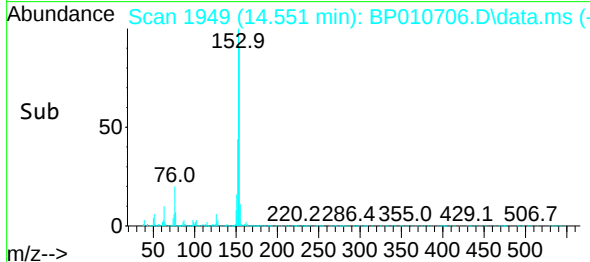
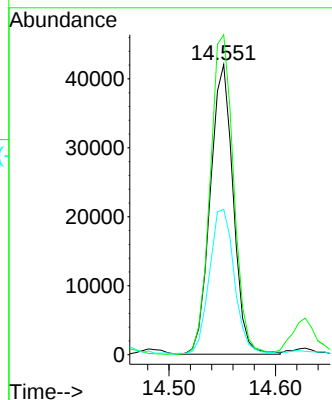
Instrument :
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ClientSampleId :
COMP-3DL



Tgt Ion:154 Resp: 62848
Ion Ratio Lower Upper
154 100
153 110.3 87.4 131.2
152 50.1 41.7 62.5

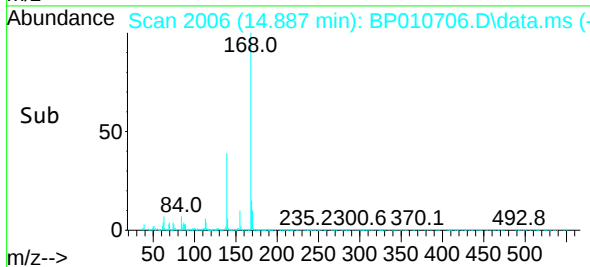
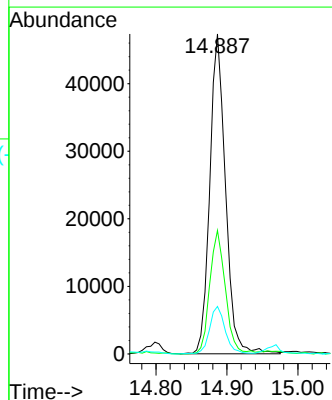
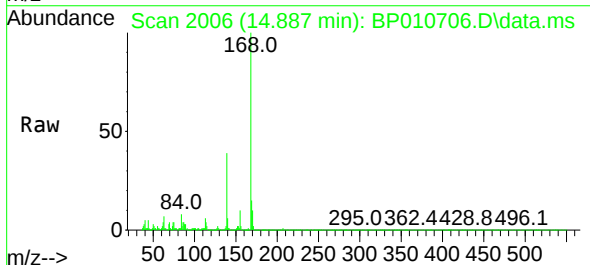
Manual Integrations
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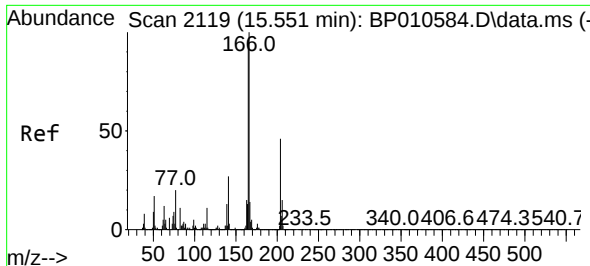
Reviewed By :Christian Giraldo 06/07/2022
Supervised By :Jagrut Upadhyay 06/07/2022



#55
Dibenzofuran
Concen: 2.541 ng
RT: 14.887 min Scan# 2006
Delta R.T. -0.000 min
Lab File: BP010706.D
Acq: 06 Jun 2022 16:52

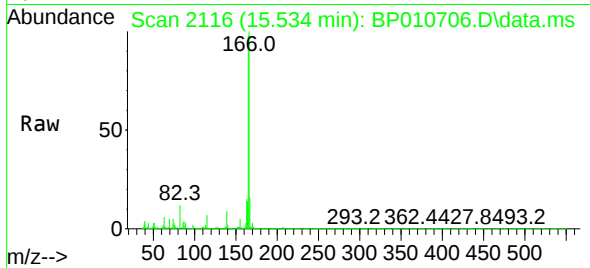
Tgt Ion:168 Resp: 72854
Ion Ratio Lower Upper
168 100
139 38.6 31.5 47.3
169 14.9 10.3 15.5





#58
Fluorene
Concen: 4.274 ng
RT: 15.534 min Scan# 2119
Delta R.T. -0.006 min
Lab File: BP010706.D
Acq: 06 Jun 2022 16:52

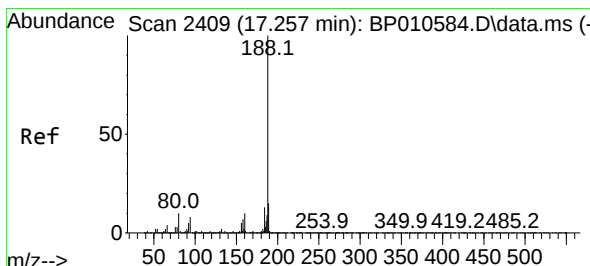
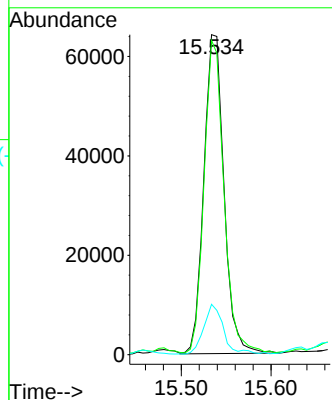
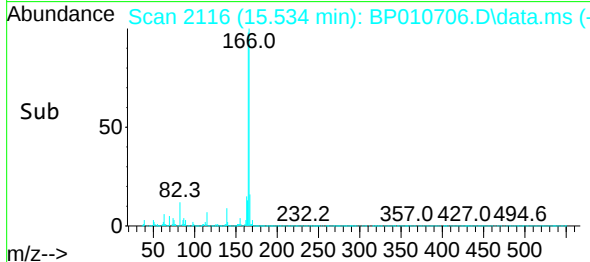
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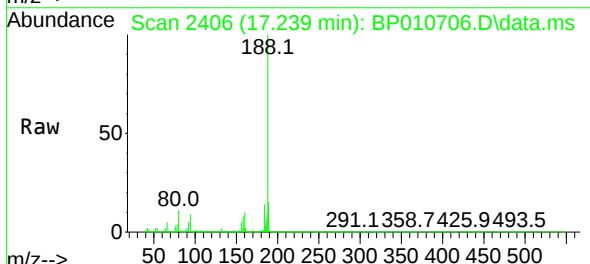
Tgt Ion:166 Resp: 100174
Ion Ratio Lower Upper
166 100
165 98.2 77.0 115.4
167 15.8 10.9 16.3

Manual Integrations
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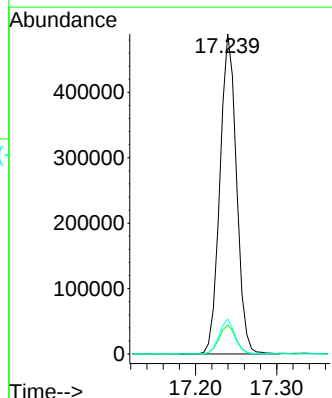
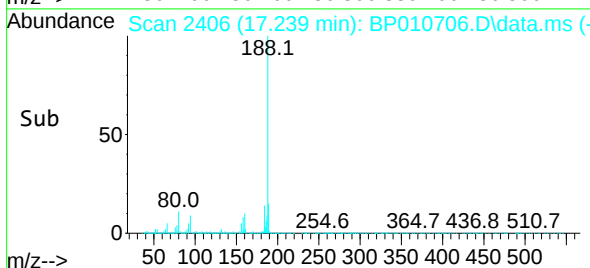
Reviewed By :Christian Giraldo 06/07/2022
Supervised By :Jagrut Upadhyay 06/07/2022

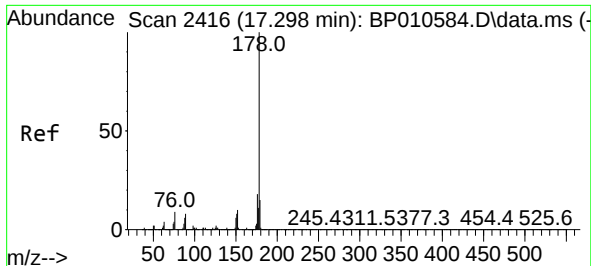


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.239 min Scan# 2406
Delta R.T. -0.000 min
Lab File: BP010706.D
Acq: 06 Jun 2022 16:52



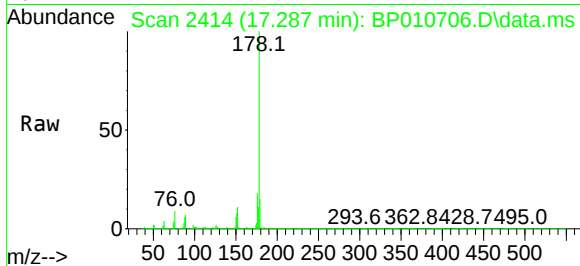
Tgt Ion:188 Resp: 696043
Ion Ratio Lower Upper
188 100
94 9.0 6.6 10.0
80 10.9 8.0 12.0





#71
Phenanthrene
Concen: 46.323 ng
RT: 17.287 min Scan# 2416
Delta R.T. -0.000 min
Lab File: BP010706.D
Acq: 06 Jun 2022 16:52

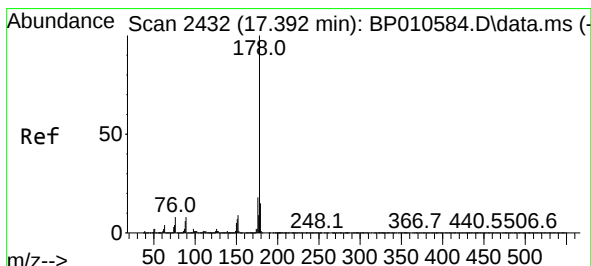
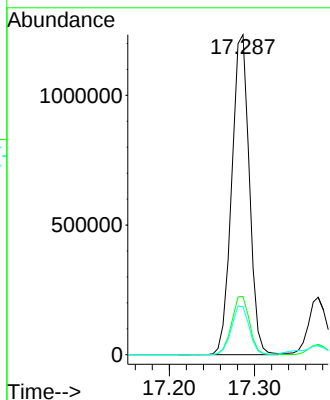
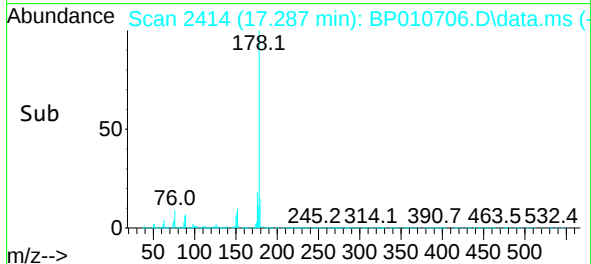
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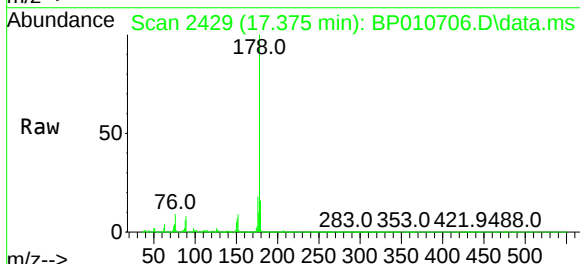
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Ion Ratio Lower Upper
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176 18.2 14.7 22.1
179 15.0 12.2 18.2

Manual Integrations
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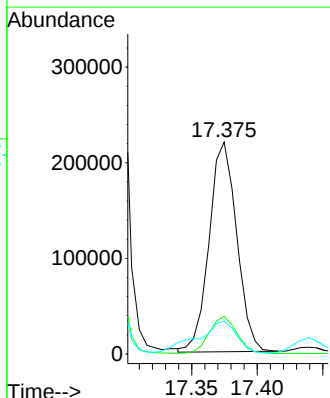
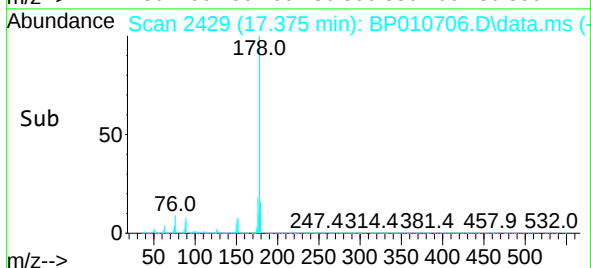
Reviewed By :Christian Giraldo 06/07/2022
Supervised By :Jagrut Upadhyay 06/07/2022

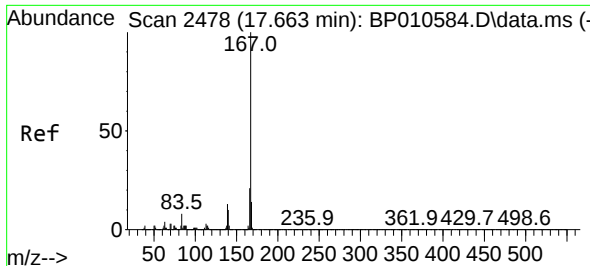


#72
Anthracene
Concen: 8.790 ng
RT: 17.375 min Scan# 2429
Delta R.T. -0.000 min
Lab File: BP010706.D
Acq: 06 Jun 2022 16:52



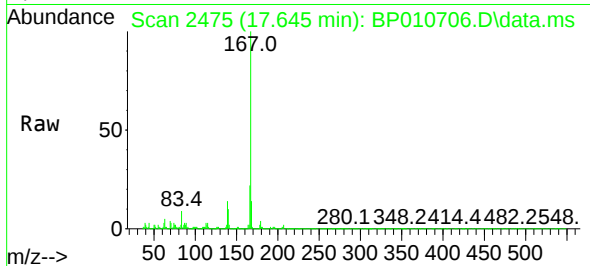
Tgt Ion:178 Resp: 321268
Ion Ratio Lower Upper
178 100
176 17.9 14.5 21.7
179 15.6 12.2 18.4





#73
 Carbazole
 Concen: 5.336 ng
 RT: 17.645 min Scan# 2478
 Delta R.T. -0.006 min
 Lab File: BP010706.D
 Acq: 06 Jun 2022 16:52

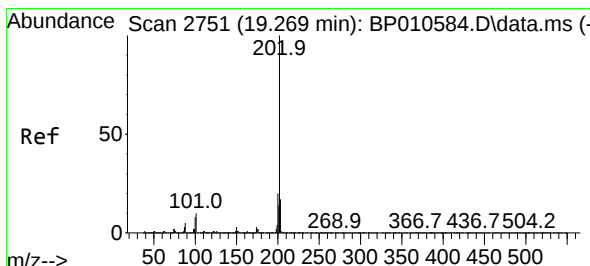
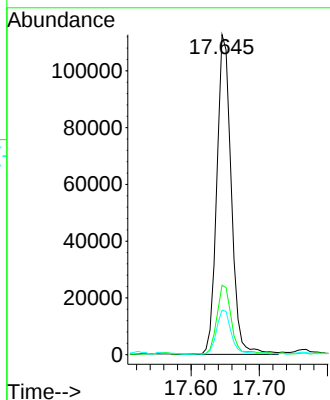
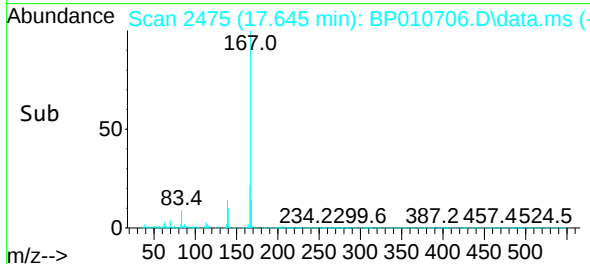
Instrument :
 BNA_P
 ClientSampleId :
 COMP-3DL



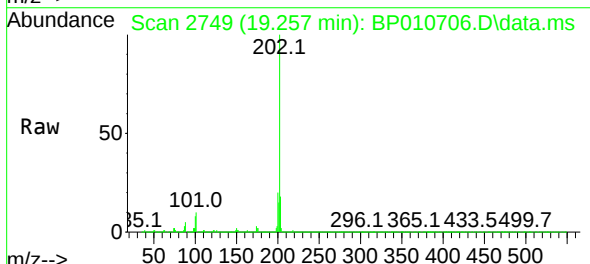
Tgt Ion:167 Resp: 165744
 Ion Ratio Lower Upper
 167 100
 166 21.7 16.9 25.3
 139 13.9 10.6 15.8

Manual Integrations
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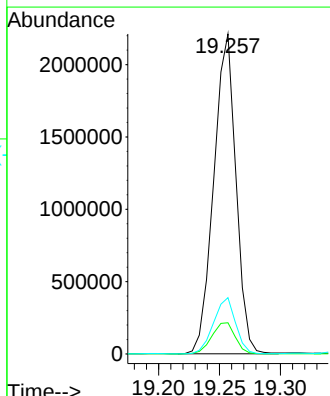
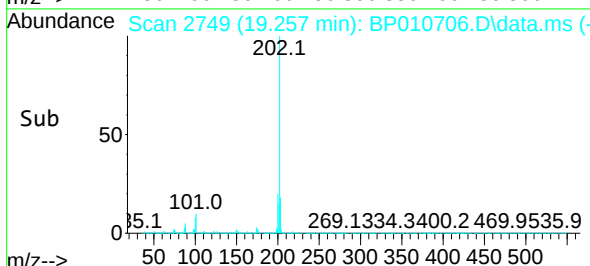
Reviewed By :Christian Giraldo 06/07/2022
 Supervised By :Jagrut Upadhyay 06/07/2022

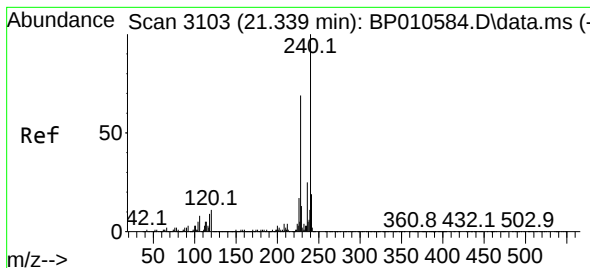


#75
 Fluoranthene
 Concen: 67.689 ng
 RT: 19.257 min Scan# 2749
 Delta R.T. 0.006 min
 Lab File: BP010706.D
 Acq: 06 Jun 2022 16:52



Tgt Ion:202 Resp: 2806330
 Ion Ratio Lower Upper
 202 100
 101 9.8 0.0 29.6
 203 17.6 0.0 36.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.333 min Scan# 31

Delta R.T. -0.000 min

Lab File: BP010706.D

Acq: 06 Jun 2022 16:52

Instrument :

BNA_P

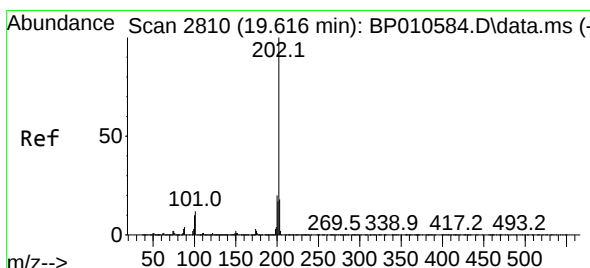
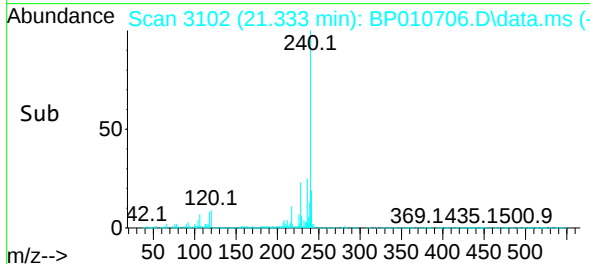
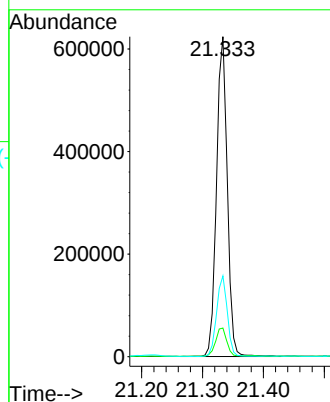
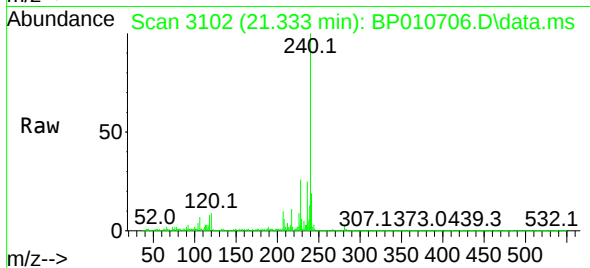
ClientSampleId :

COMP-3DL

Tgt Ion:240 Resp: 76395
 Ion Ratio Lower Upper
 240 100
 120 8.9 8.6 12.8
 236 25.3 19.8 29.6

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 06/07/2022
 Supervised By :Jagrut Upadhyay 06/07/2022



#78

Pyrene

Concen: 44.035 ng

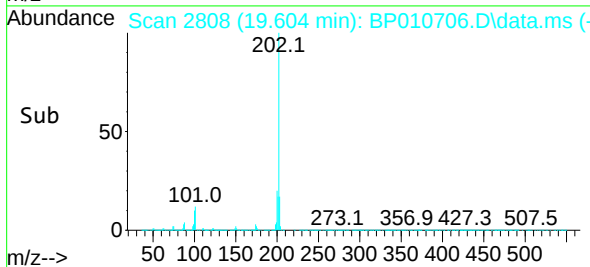
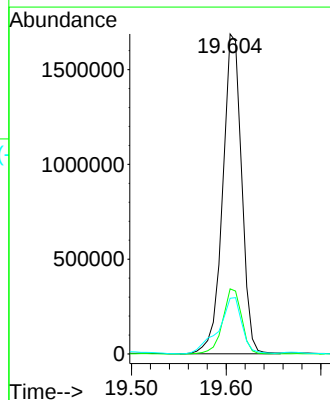
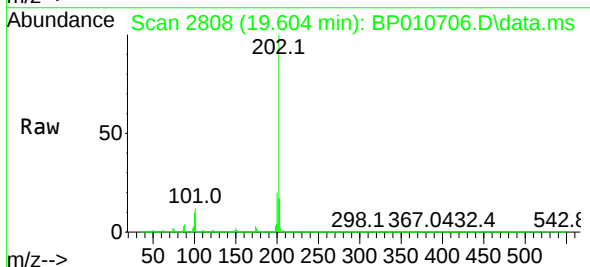
RT: 19.604 min Scan# 2808

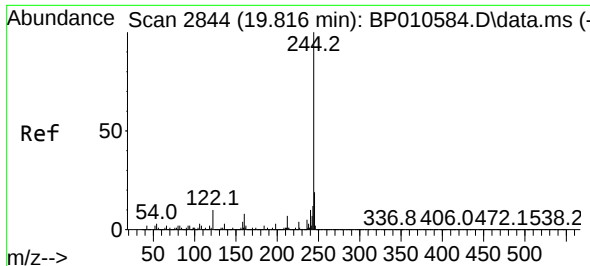
Delta R.T. -0.000 min

Lab File: BP010706.D

Acq: 06 Jun 2022 16:52

Tgt Ion:202 Resp: 2344403
 Ion Ratio Lower Upper
 202 100
 200 20.3 16.3 24.5
 203 17.4 14.2 21.4





#79
 Terphenyl-d14
 Concen: 13.891 ng
 RT: 19.798 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BP010706.D
 Acq: 06 Jun 2022 16:52

Instrument :

BNA_P

ClientSampleId :

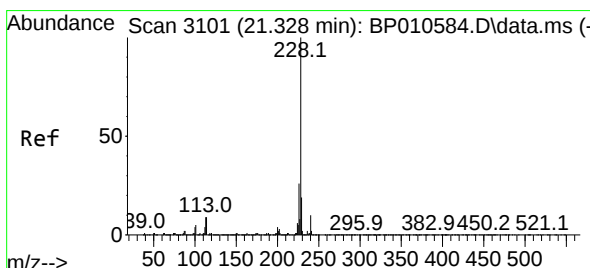
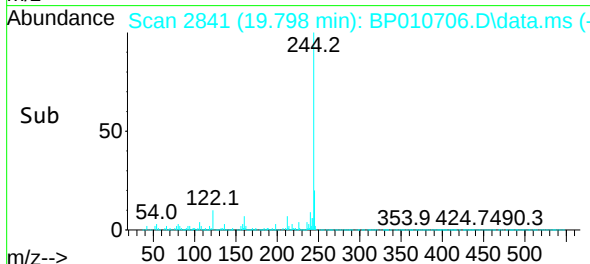
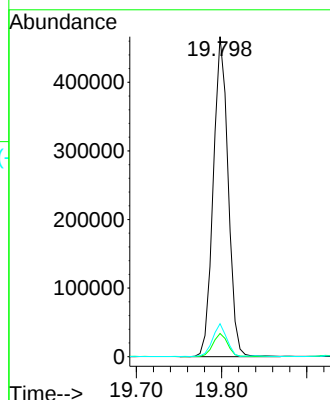
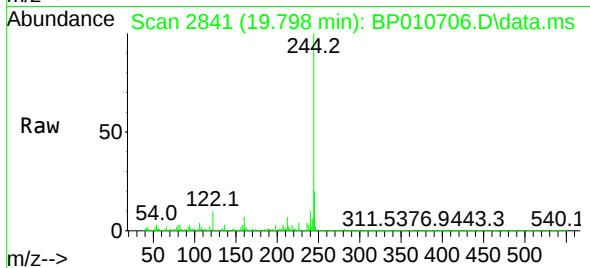
COMP-3DL

Tgt Ion:244 Resp: 56499
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.8 8.8
 122 10.3 7.6 11.4

Manual Integrations

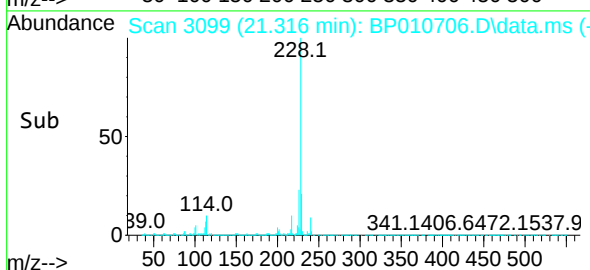
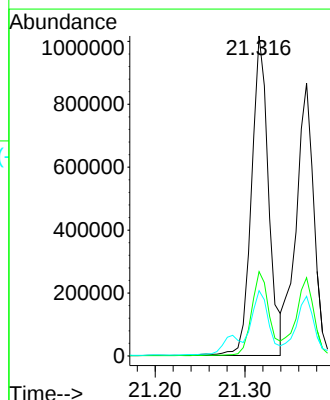
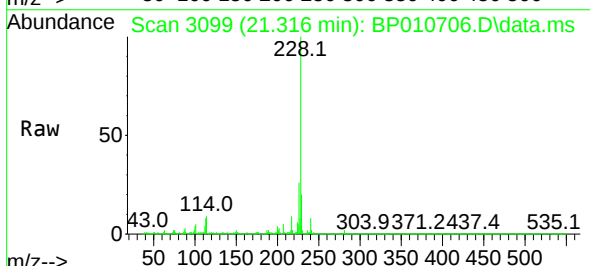
APPROVED

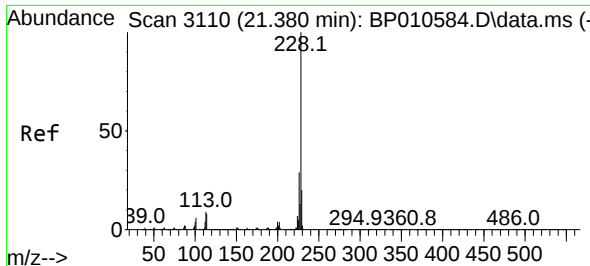
Reviewed By :Christian Giraldo 06/07/2022
 Supervised By :Jagrut Upadhyay 06/07/2022



#81
 Benzo(a)anthracene
 Concen: 26.797 ng
 RT: 21.316 min Scan# 3099
 Delta R.T. -0.000 min
 Lab File: BP010706.D
 Acq: 06 Jun 2022 16:52

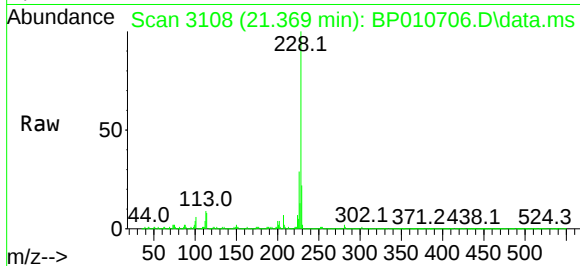
Tgt Ion:228 Resp: 1343197
 Ion Ratio Lower Upper
 228 100
 226 26.3 20.8 31.2
 229 20.4 15.2 22.8





#83
Chrysene
Concen: 24.108 ng
RT: 21.369 min Scan# 3110
Delta R.T. -0.000 min
Lab File: BP010706.D
Acq: 06 Jun 2022 16:52

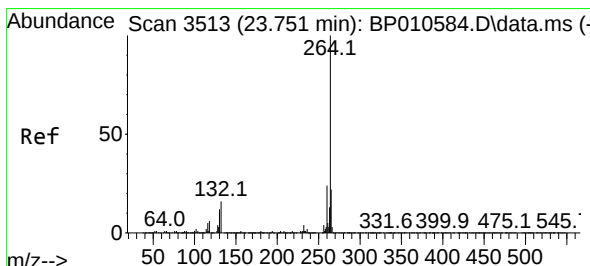
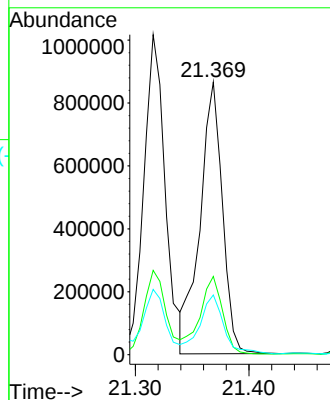
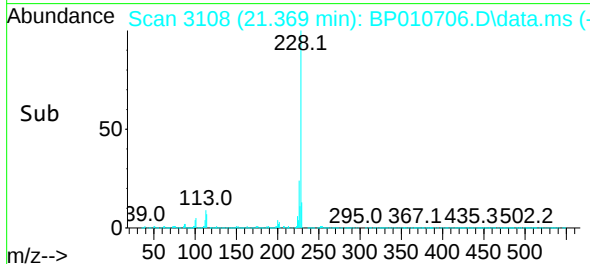
Instrument :
BNA_P
ClientSampleId :
COMP-3DL



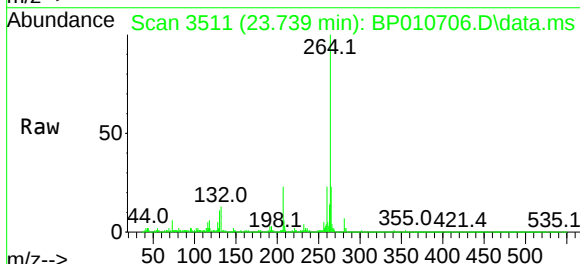
Tgt Ion:228 Resp: 1185240
Ion Ratio Lower Upper
228 100
226 28.7 23.4 35.2
229 21.9 15.7 23.5

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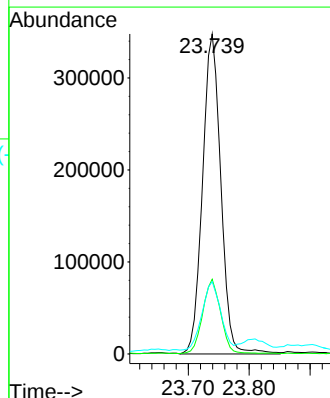
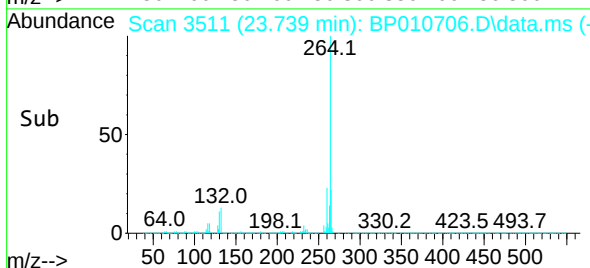
Reviewed By :Christian Giraldo 06/07/2022
Supervised By :Jagrut Upadhyay 06/07/2022

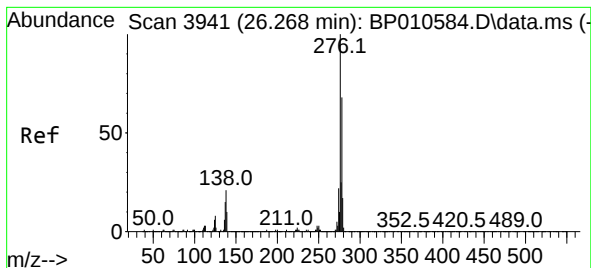


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.739 min Scan# 3511
Delta R.T. -0.000 min
Lab File: BP010706.D
Acq: 06 Jun 2022 16:52



Tgt Ion:264 Resp: 727973
Ion Ratio Lower Upper
264 100
260 23.3 19.3 28.9
265 22.6 18.0 27.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 11.110 ng

RT: 26.245 min Scan# 3941

Delta R.T. -0.018 min

Lab File: BP010706.D

Acq: 06 Jun 2022 16:52

Instrument :

BNA_P

ClientSampleId :

COMP-3DL

Tgt Ion:276 Resp: 589620

Ion Ratio Lower Upper

276 100

138 17.6 17.5 26.3

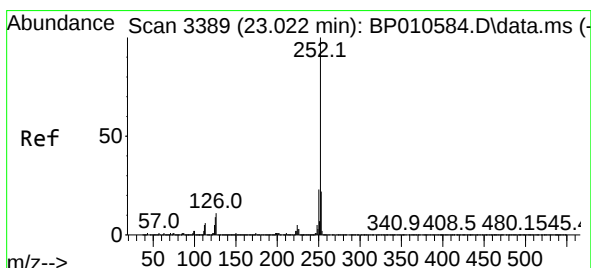
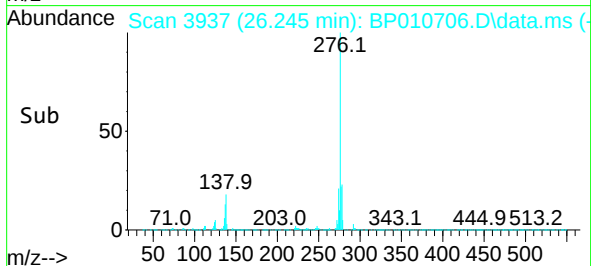
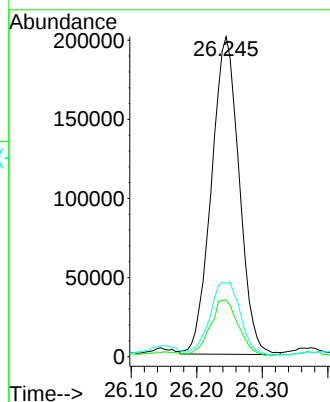
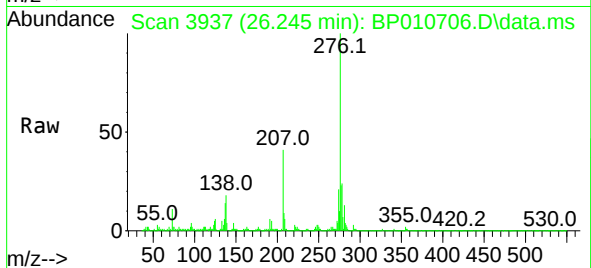
277 25.2 20.2 30.4

Manual Integrations

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Reviewed By :Christian Giraldo 06/07/2022

Supervised By :Jagrut Upadhyay 06/07/2022



#88

Benzo(b)fluoranthene

Concen: 31.784 ng

RT: 23.010 min Scan# 3387

Delta R.T. -0.000 min

Lab File: BP010706.D

Acq: 06 Jun 2022 16:52

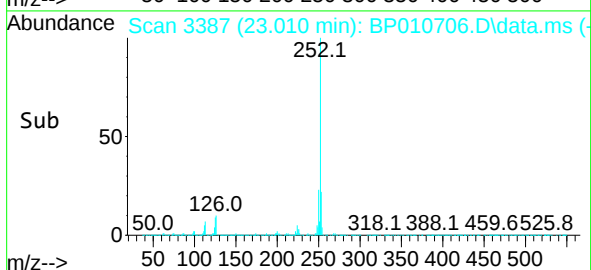
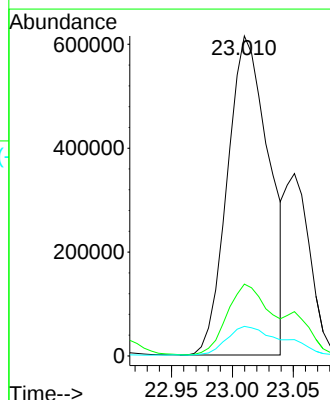
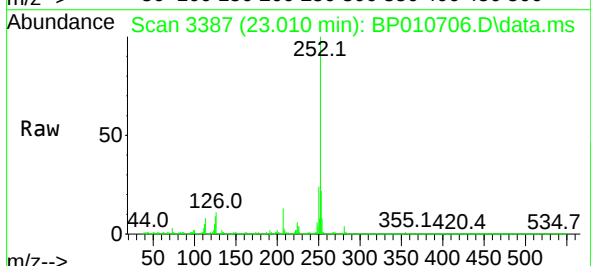
Tgt Ion:252 Resp: 1456803

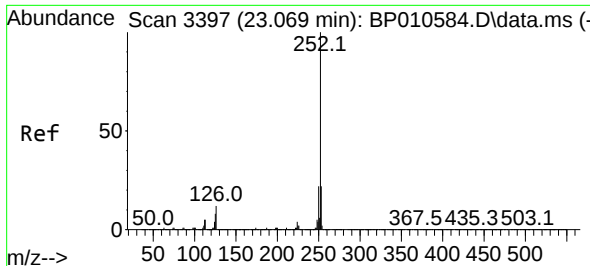
Ion Ratio Lower Upper

252 100

253 22.5 17.8 26.6

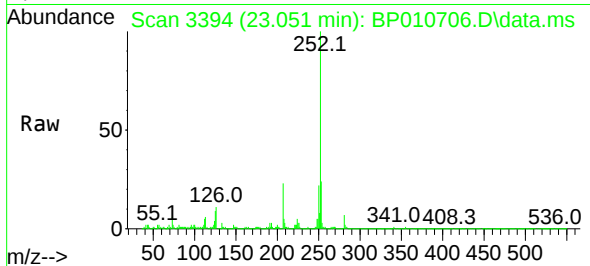
125 9.3 7.0 10.6





#89
Benzo(k)fluoranthene
Concen: 10.478 ng m
RT: 23.051 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP010706.D
Acq: 06 Jun 2022 16:52

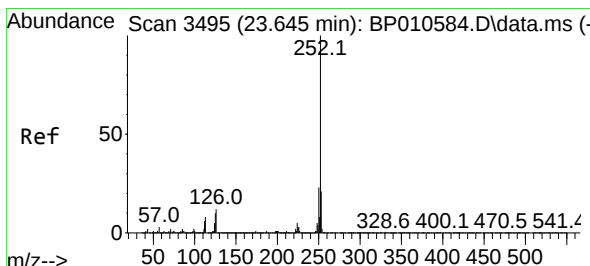
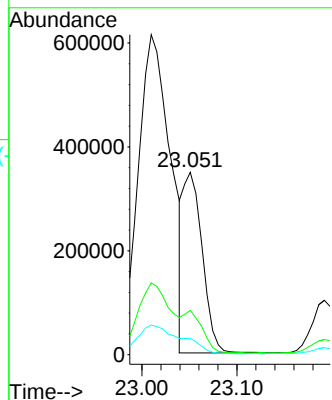
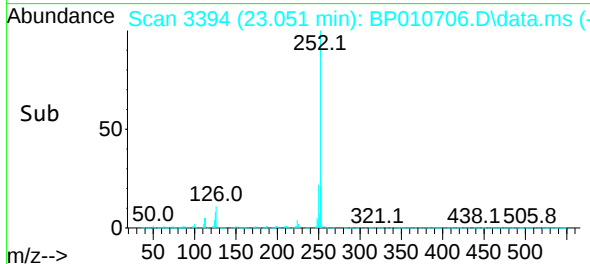
Instrument :
BNA_P
ClientSampleId :
COMP-3DL



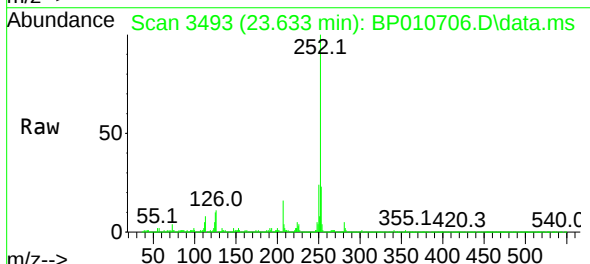
Tgt Ion:252 Resp: 48684
Ion Ratio Lower Upper
252 100
253 24.3 17.2 25.8
125 8.9 7.0 10.4

Manual Integrations
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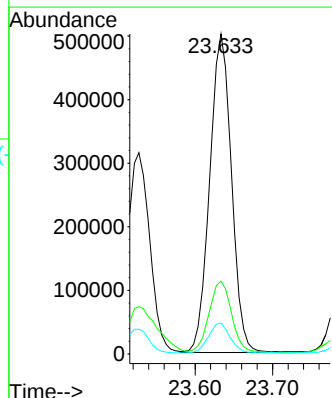
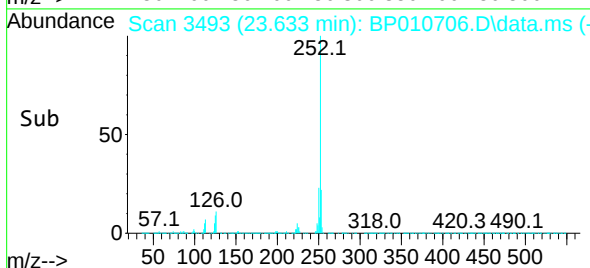
Reviewed By :Christian Giraldo 06/07/2022
Supervised By :Jagrut Upadhyay 06/07/2022

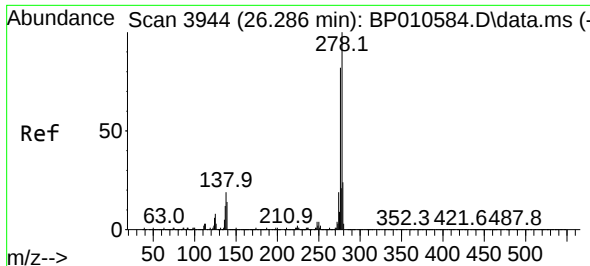


#90
Benzo(a)pyrene
Concen: 25.845 ng
RT: 23.633 min Scan# 3493
Delta R.T. -0.000 min
Lab File: BP010706.D
Acq: 06 Jun 2022 16:52



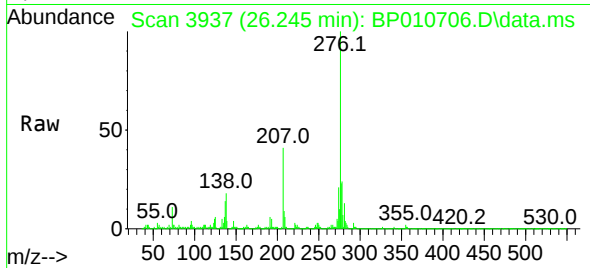
Tgt Ion:252 Resp: 979850
Ion Ratio Lower Upper
252 100
253 22.8 17.0 25.6
125 9.6 7.9 11.9





#91
Dibenzo(a,h)anthracene
Concen: 3.586 ng
RT: 26.245 min Scan# 3944
Delta R.T. -0.024 min
Lab File: BP010706.D
Acq: 06 Jun 2022 16:52

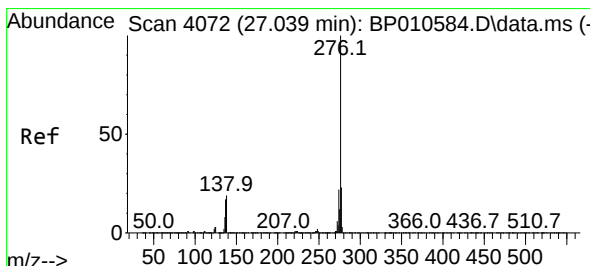
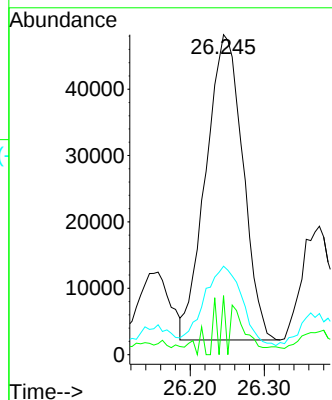
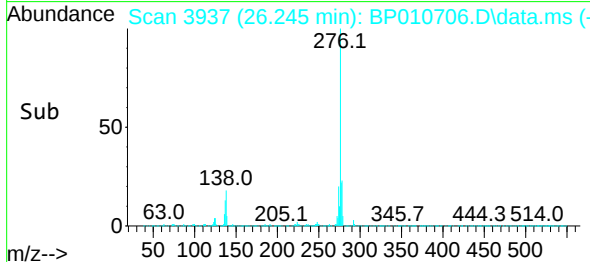
Instrument :
BNA_P
ClientSampleId :
COMP-3DL



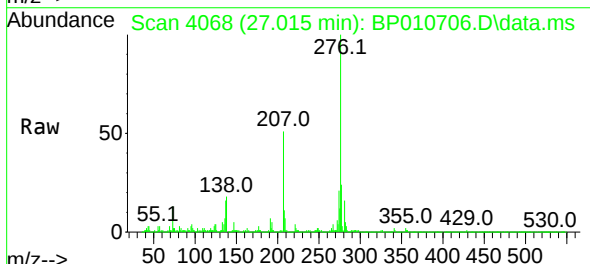
Tgt Ion: 278 Resp: 15918
Ion Ratio Lower Upper
278 100
139 18.4 11.4 17.0
279 27.7 19.2 28.8

Manual Integrations
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Reviewed By : Christian Giraldo 06/07/2022
Supervised By : Jagrut Upadhyay 06/07/2022



#92
Benzo(g,h,i)perylene
Concen: 12.401 ng
RT: 27.015 min Scan# 4068
Delta R.T. -0.012 min
Lab File: BP010706.D
Acq: 06 Jun 2022 16:52



Tgt Ion: 276 Resp: 547219
Ion Ratio Lower Upper
276 100
277 23.5 18.7 28.1
138 17.5 15.2 22.8

