

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052623\
 Data File : BP015325.D
 Acq On : 27 May 2023 00:09
 Operator : CG/JU
 Sample : 02923-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 OR-03-052423

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/30/2023
 Supervised By : Jagrut Upadhyay 05/31/2023

Quant Time: May 29 02:10:01 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 25 01:41:43 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.105	152	164388	20.000	ng	0.00
21) Naphthalene-d8	10.934	136	636908	20.000	ng	0.00
39) Acenaphthene-d10	14.751	164	374740	20.000	ng	0.00
64) Phenanthrene-d10	17.504	188	867129	20.000	ng	0.00
76) Chrysene-d12	21.580	240	793159	20.000	ng	0.00
86) Perylene-d12	24.139	264	981171	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.640	112	872629	87.962	ng	0.00
7) Phenol-d6	7.263	99	1091980	83.992	ng	0.00
23) Nitrobenzene-d5	9.281	82	682642	52.332	ng	-0.01
42) 2,4,6-Tribromophenol	16.239	330	471220	92.533	ng	0.00
45) 2-Fluorobiphenyl	13.375	172	1434902	51.407	ng	0.00
79) Terphenyl-d14	20.039	244	2296149	54.453	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.475	152	299587	8.359	ng	100
52) Acenaphthene	14.810	154	60165	2.819	ng	98
58) Fluorene	15.798	166	139561	5.175	ng	100
71) Phenanthrene	17.545	178	1237203	26.770	ng	100
72) Anthracene	17.639	178	537945	11.622	ng	99
73) Carbazole	17.904	167	139989	3.416	ng	97
75) Fluoranthene	19.498	202	1651916	30.597	ng	98
78) Pyrene	19.851	202	1613596	28.433	ng	100
81) Benzo(a)anthracene	21.563	228	692220	12.561	ng	97
83) Chrysene	21.621	228	700591	13.258	ng	96
87) Indeno(1,2,3-cd)pyrene	26.833	276	419658	5.901	ng	95
88) Benzo(b)fluoranthene	23.351	252	790635	13.253	ng	# 94
89) Benzo(k)fluoranthene	23.398	252	263714m	4.390	ng	
90) Benzo(a)pyrene	24.021	252	622105	10.801	ng	94
91) Dibenzo(a,h)anthracene	26.845	278	121408	2.079	ng	# 78
92) Benzo(g,h,i)perylene	27.680	276	459186	7.738	ng	98

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

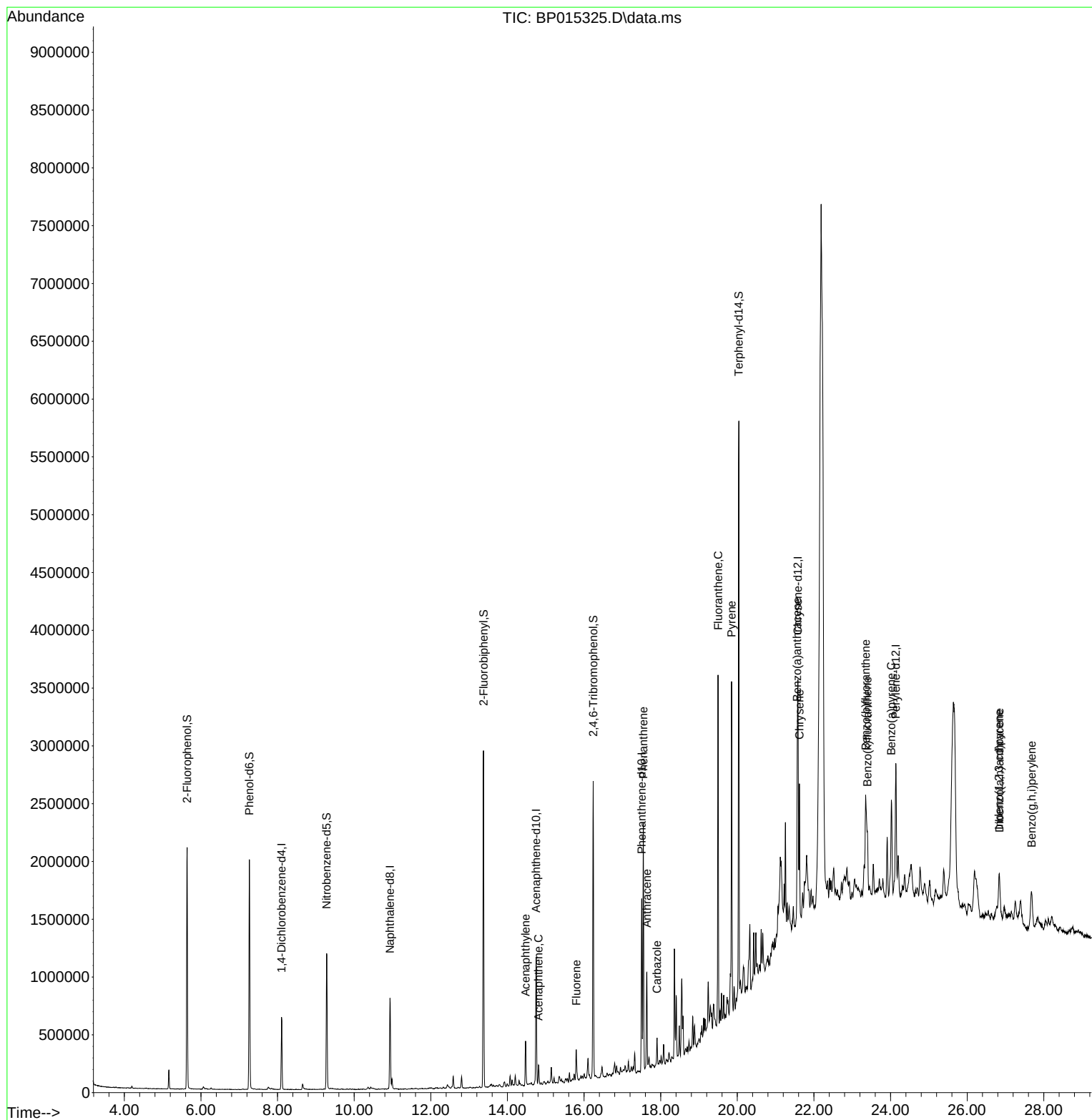
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052623\
Data File : BP015325.D
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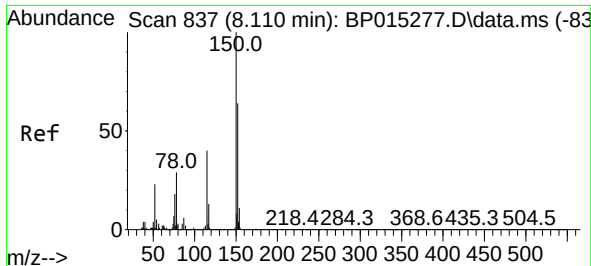
Instrument :
BNA_P
ClientSampleId :
OR-03-052423

Quant Time: May 29 02:10:01 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052423.M
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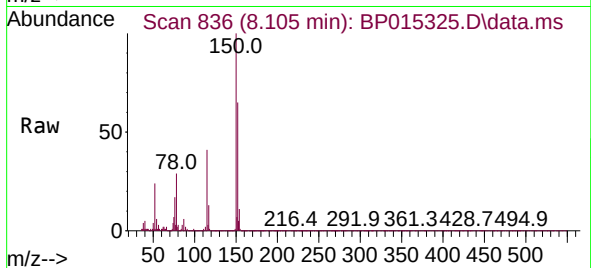
Reviewed By :Christian Giraldo 05/30/2023
Supervised By :Jagrut Upadhyay 05/31/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.105 min Scan# 81
Delta R.T. -0.005 min
Lab File: BP015325.D
Acq: 27 May 2023 00:09

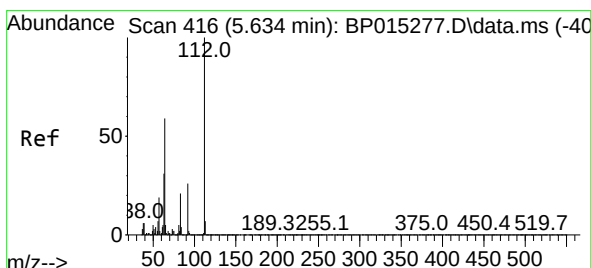
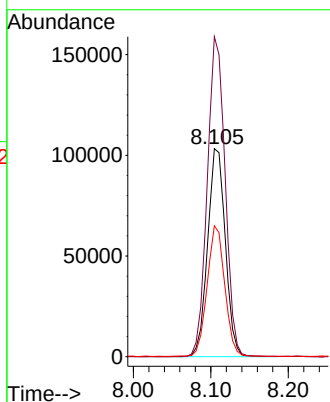
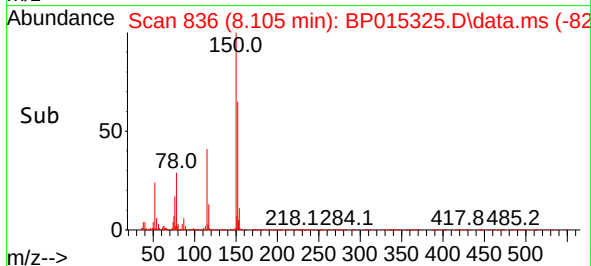
Instrument :
BNA_P
ClientSampleId :
OR-03-052423



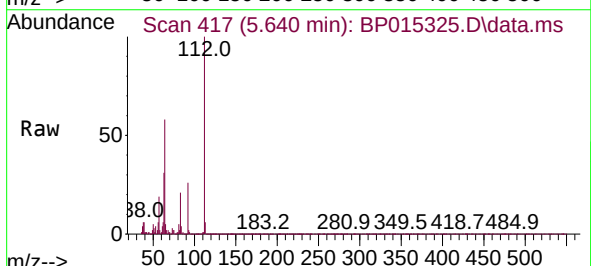
Tgt Ion:152 Resp: 16438
Ion Ratio Lower Upper
152 100
150 153.9 124.2 186.2
115 62.9 49.1 73.7

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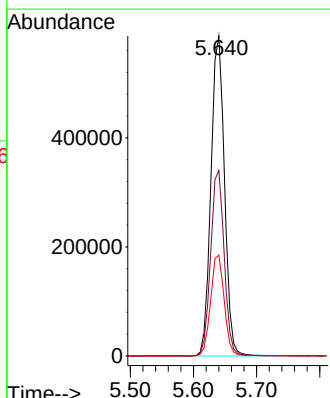
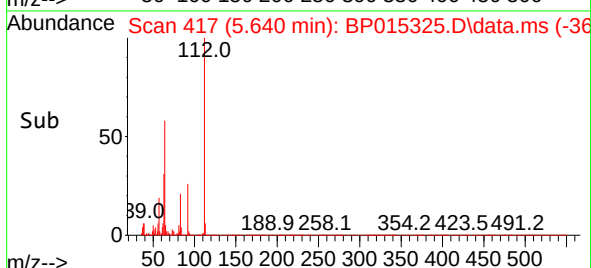
Reviewed By :Christian Giraldo 05/30/2023
Supervised By :Jagrut Upadhyay 05/31/2023

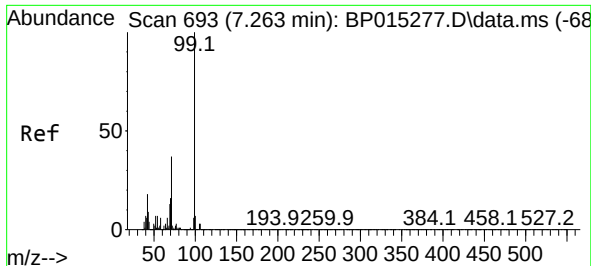


#5
2-Fluorophenol
Concen: 87.962 ng
RT: 5.640 min Scan# 417
Delta R.T. 0.006 min
Lab File: BP015325.D
Acq: 27 May 2023 00:09



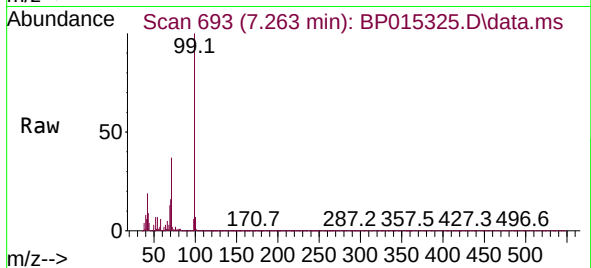
Tgt Ion:112 Resp: 872629
Ion Ratio Lower Upper
112 100
64 58.0 47.2 70.8
63 31.5 24.6 37.0





#7
Phenol-d6
Concen: 83.992 ng
RT: 7.263 min Scan# 693
Delta R.T. -0.000 min
Lab File: BP015325.D
Acq: 27 May 2023 00:09

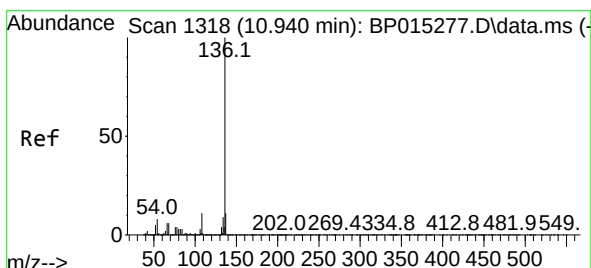
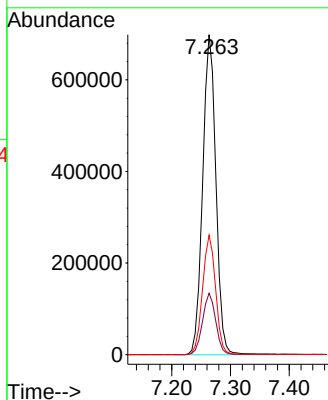
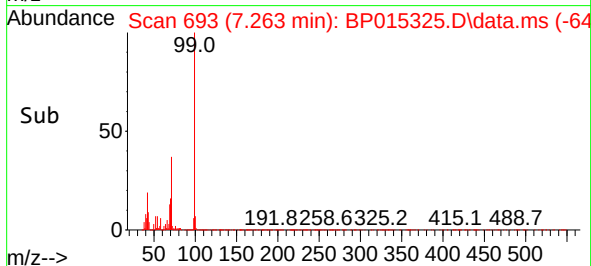
Instrument :
BNA_P
ClientSampleId :
OR-03-052423



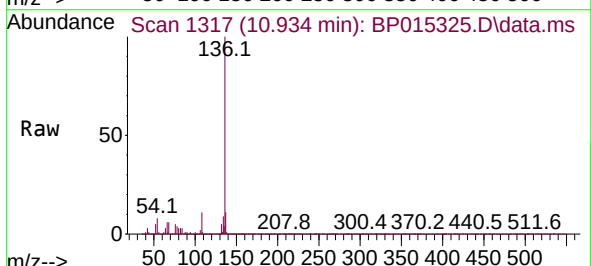
Tgt Ion: 99 Resp: 1091980
Ion Ratio Lower Upper
99 100
42 19.2 14.6 22.0
71 37.4 29.4 44.2

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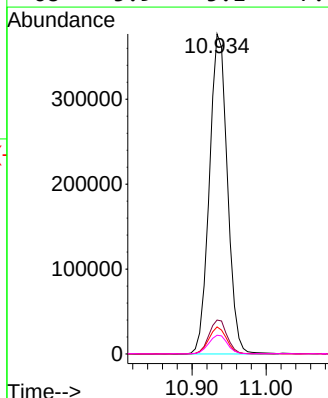
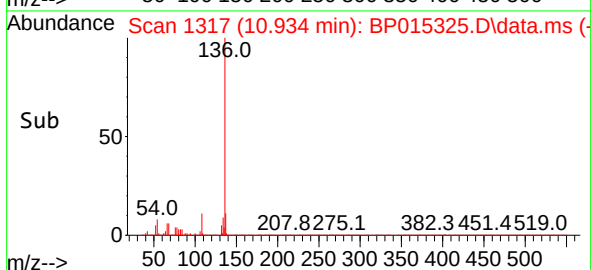
Reviewed By :Christian Giraldo 05/30/2023
Supervised By :Jagrut Upadhyay 05/31/2023

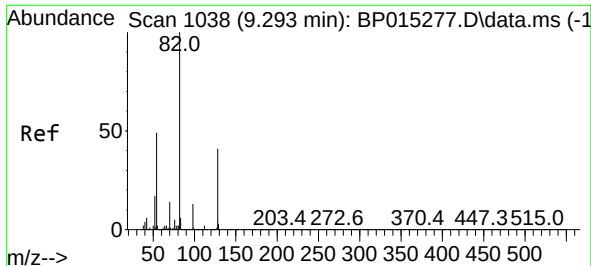


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.934 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BP015325.D
Acq: 27 May 2023 00:09



Tgt Ion:136 Resp: 636908
Ion Ratio Lower Upper
136 100
137 10.6 8.9 13.3
54 8.5 6.3 9.5
68 5.9 5.1 7.7





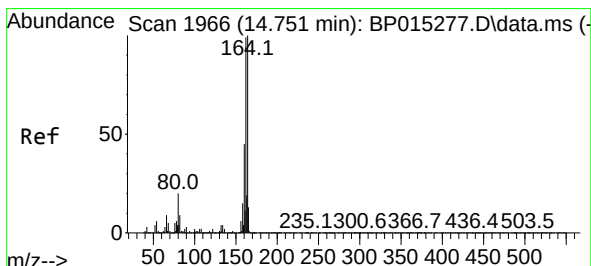
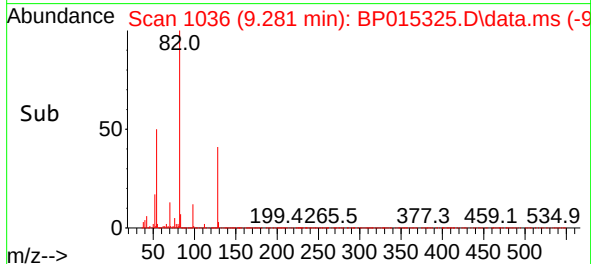
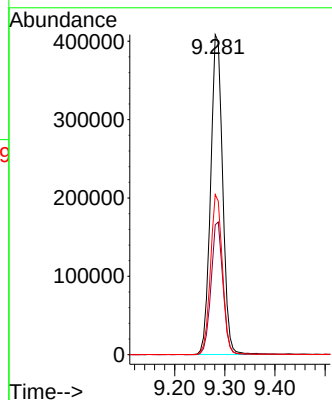
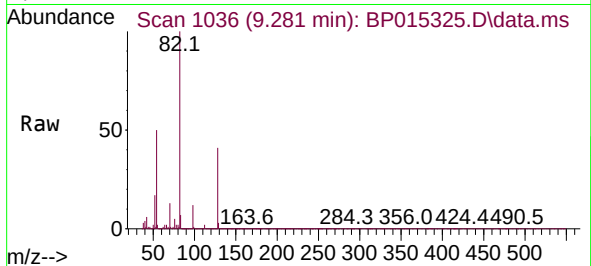
#23
Nitrobenzene-d5
Concen: 52.332 ng
RT: 9.281 min Scan# 1036
Delta R.T. -0.012 min
Lab File: BP015325.D
Acq: 27 May 2023 00:09

Instrument :
BNA_P
ClientSampleId :
OR-03-052423

Tgt Ion: 82 Resp: 68264
Ion Ratio Lower Upper
82 100
128 40.6 33.0 49.4
54 50.0 39.2 58.8

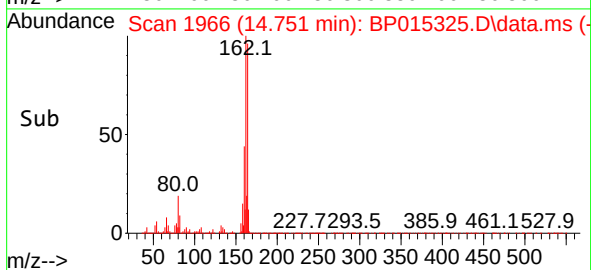
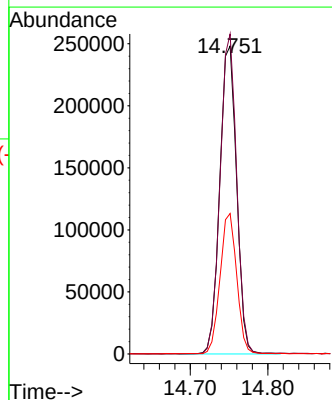
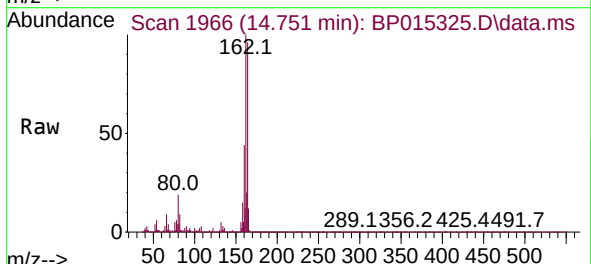
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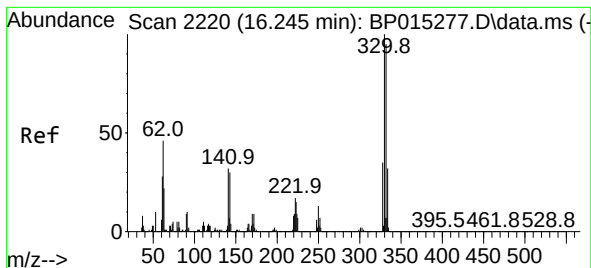
Reviewed By :Christian Giraldo 05/30/2023
Supervised By :Jagrut Upadhyay 05/31/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.751 min Scan# 1966
Delta R.T. -0.000 min
Lab File: BP015325.D
Acq: 27 May 2023 00:09

Tgt Ion:164 Resp: 374740
Ion Ratio Lower Upper
164 100
162 103.9 79.4 119.2
160 45.6 35.6 53.4





#42

2,4,6-Tribromophenol

Concen: 92.533 ng

RT: 16.239 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP015325.D

Acq: 27 May 2023 00:09

Instrument :

BNA_P

ClientSampleId :

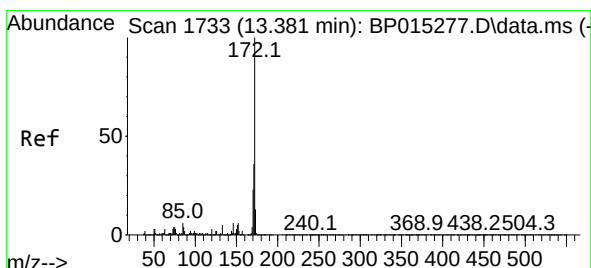
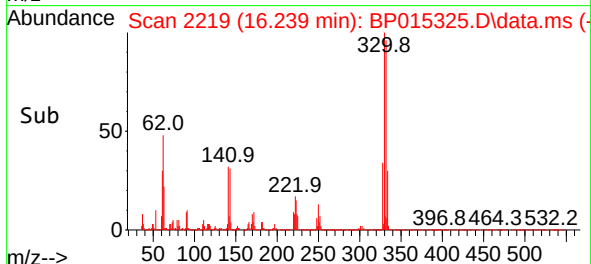
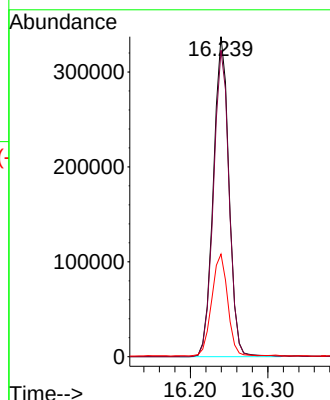
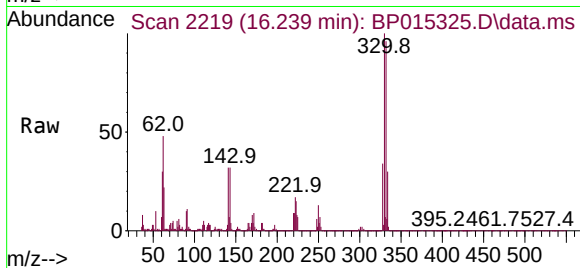
OR-03-052423

Tgt Ion:	330	Resp:	471220
Ion Ratio	Lower	Upper	
330	100		
332	96.1	76.3	114.5
141	32.5	27.8	41.8

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#45

2-Fluorobiphenyl

Concen: 51.407 ng

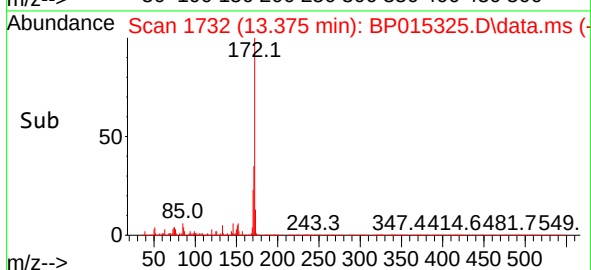
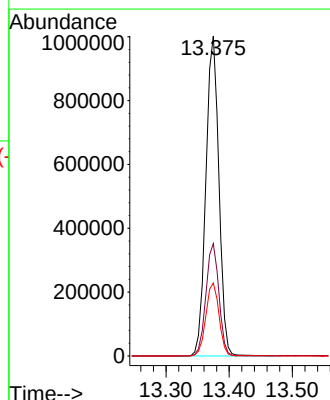
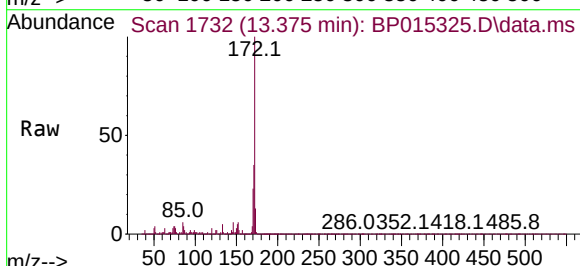
RT: 13.375 min Scan# 1732

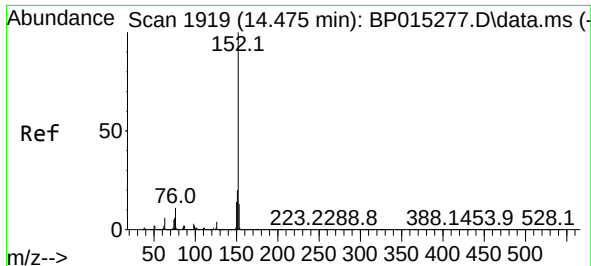
Delta R.T. -0.006 min

Lab File: BP015325.D

Acq: 27 May 2023 00:09

Tgt Ion:	172	Resp:	1434902
Ion Ratio	Lower	Upper	
172	100		
171	35.1	28.4	42.6
170	22.8	18.7	28.1





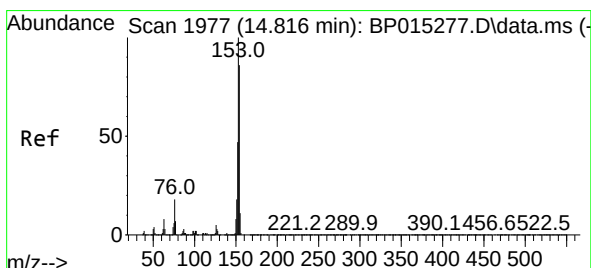
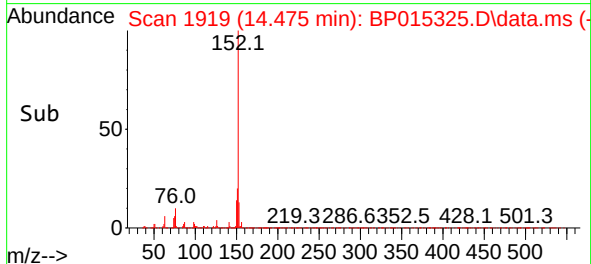
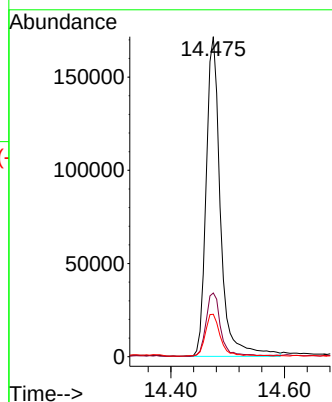
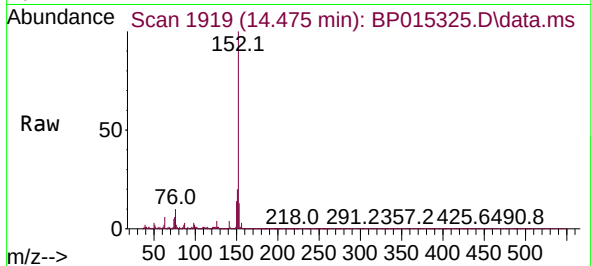
#49
Acenaphthylene
Concen: 8.359 ng
RT: 14.475 min Scan# 1919
Delta R.T. -0.000 min
Lab File: BP015325.D
Acq: 27 May 2023 00:09

Instrument : BNA_P
ClientSampleId : OR-03-052423

Tgt Ion:152 Resp: 29958
Ion Ratio Lower Upper
152 100
151 19.9 16.0 24.0
153 13.3 10.6 16.0

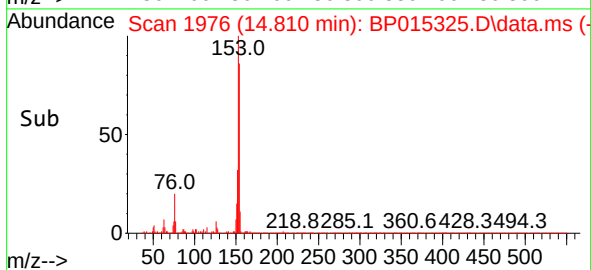
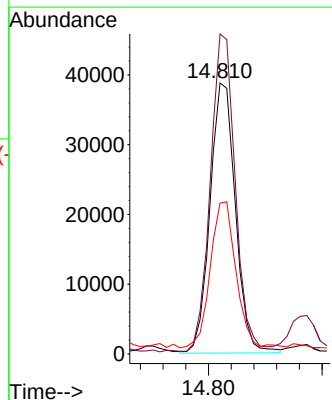
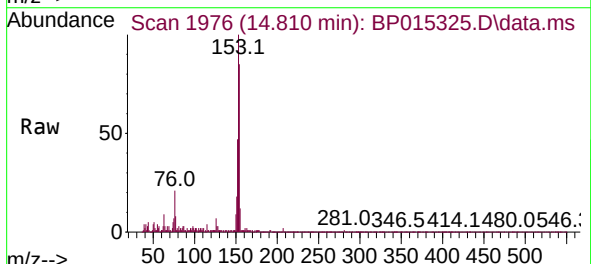
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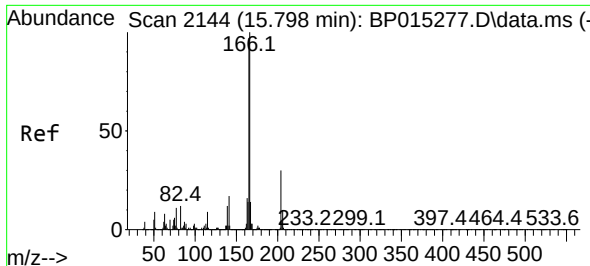
Reviewed By :Christian Giraldo 05/30/2023
Supervised By :Jagrut Upadhyay 05/31/2023



#52
Acenaphthene
Concen: 2.819 ng
RT: 14.810 min Scan# 1976
Delta R.T. -0.006 min
Lab File: BP015325.D
Acq: 27 May 2023 00:09

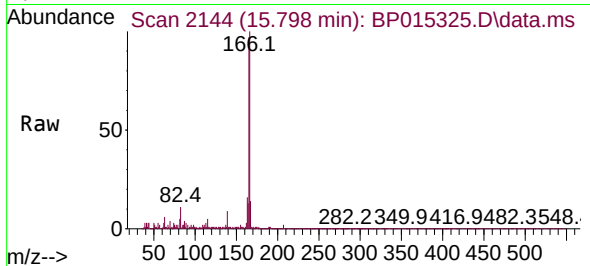
Tgt Ion:154 Resp: 60165
Ion Ratio Lower Upper
154 100
153 118.1 92.8 139.2
152 55.6 44.0 66.0





#58
Fluorene
Concen: 5.175 ng
RT: 15.798 min Scan# 2144
Delta R.T. -0.000 min
Lab File: BP015325.D
Acq: 27 May 2023 00:09

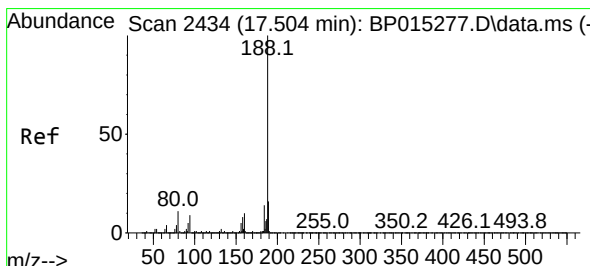
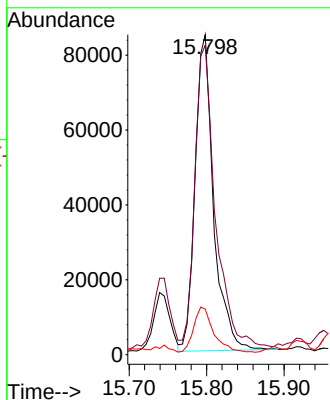
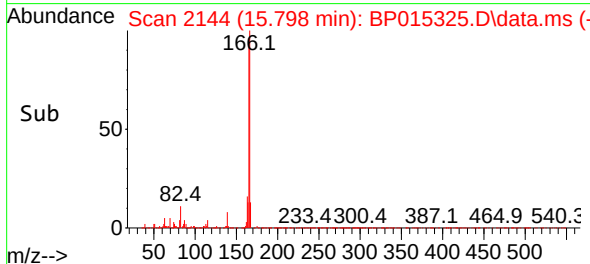
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BNA_P
ClientSampleId :
OR-03-052423



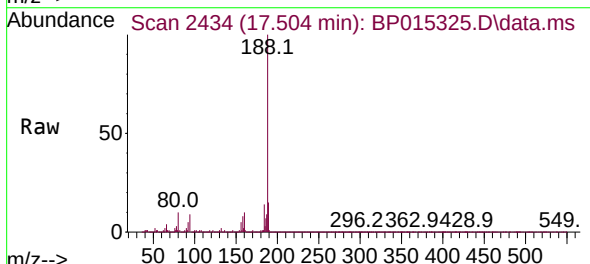
Tgt Ion:166 Resp: 13956
Ion Ratio Lower Upper
166 100
165 96.7 77.5 116.3
167 14.2 10.9 16.3

Manual Integrations
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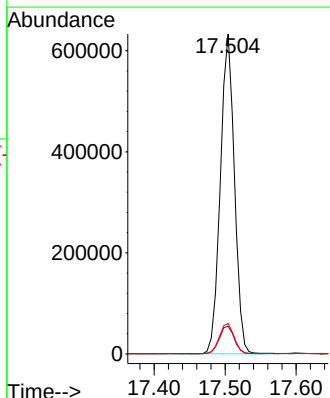
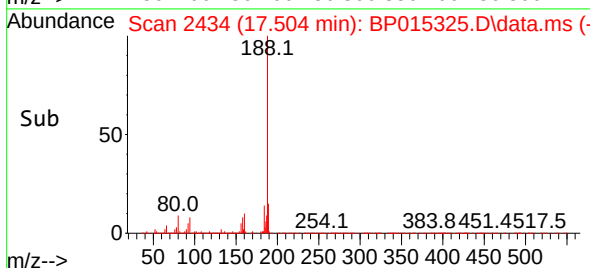
Reviewed By :Christian Giraldo 05/30/2023
Supervised By :Jagrut Upadhyay 05/31/2023

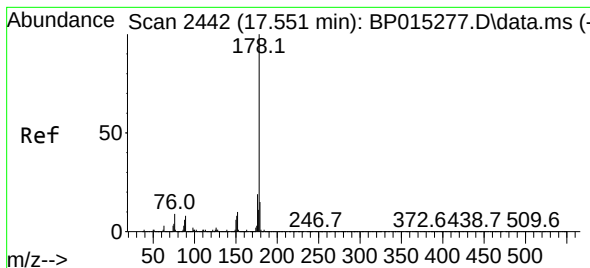


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.504 min Scan# 2434
Delta R.T. -0.000 min
Lab File: BP015325.D
Acq: 27 May 2023 00:09



Tgt Ion:188 Resp: 867129
Ion Ratio Lower Upper
188 100
94 8.6 7.4 11.0
80 9.6 8.6 13.0





#71

Phenanthrene

Concen: 26.770 ng

RT: 17.545 min Scan# 2442

Delta R.T. -0.006 min

Lab File: BP015325.D

Acq: 27 May 2023 00:09

Instrument :

BNA_P

ClientSampleId :

OR-03-052423

Tgt Ion:178 Resp: 123720

Ion Ratio Lower Upper

178 100

176 19.0 15.3 22.9

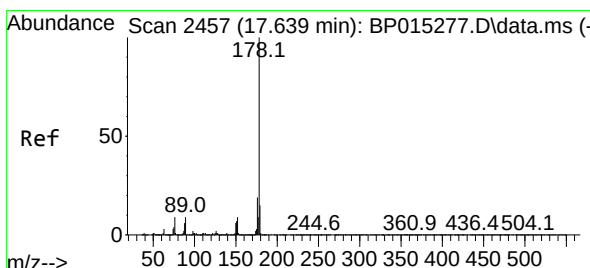
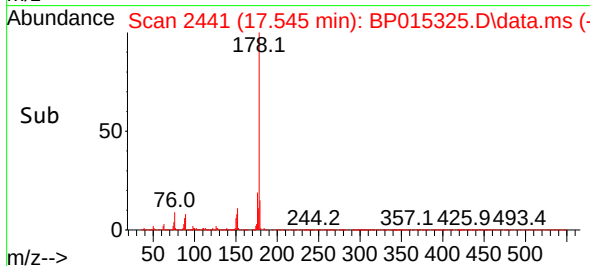
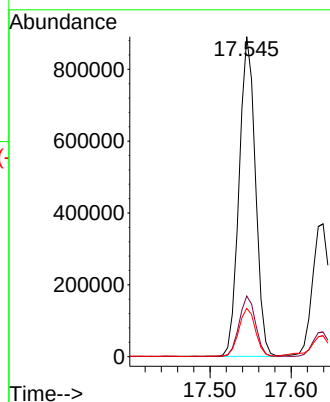
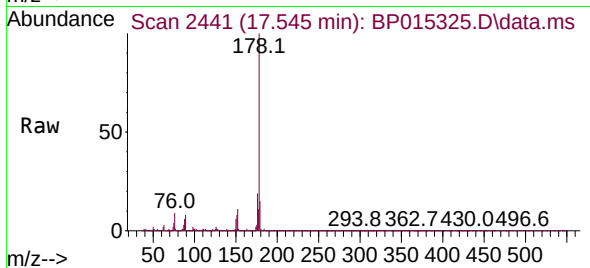
179 15.1 12.3 18.5

Manual Integrations

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Reviewed By :Christian Giraldo 05/30/2023

Supervised By :Jagrut Upadhyay 05/31/2023



#72

Anthracene

Concen: 11.622 ng

RT: 17.639 min Scan# 2457

Delta R.T. -0.000 min

Lab File: BP015325.D

Acq: 27 May 2023 00:09

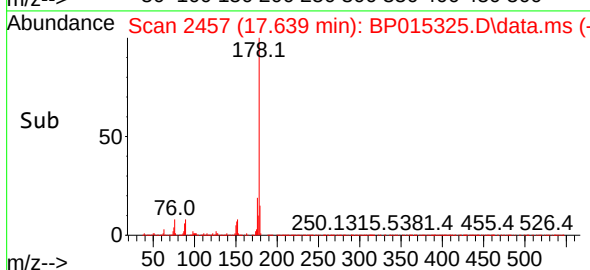
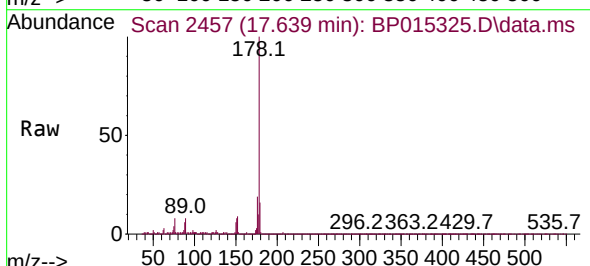
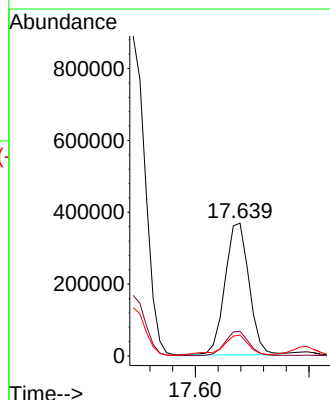
Tgt Ion:178 Resp: 537945

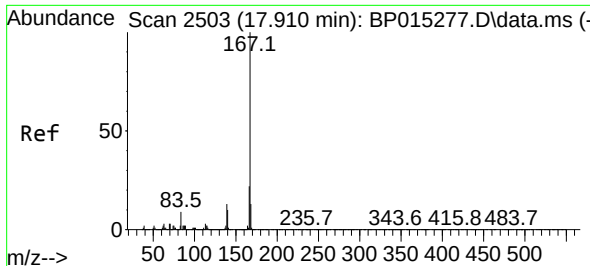
Ion Ratio Lower Upper

178 100

176 18.6 15.1 22.7

179 15.7 12.2 18.4





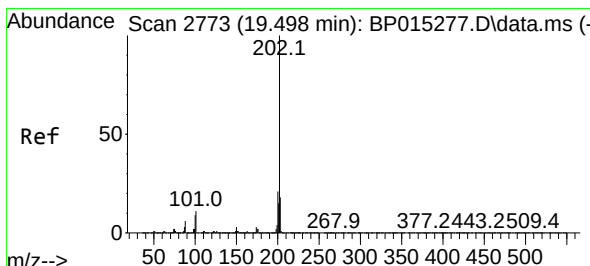
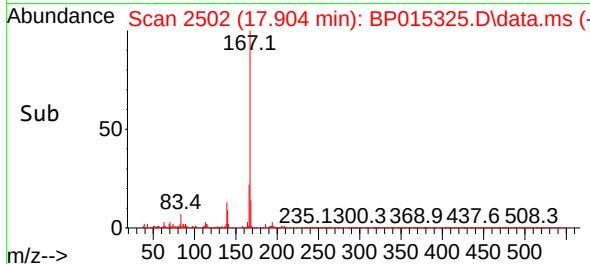
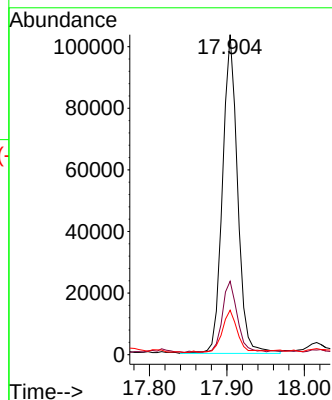
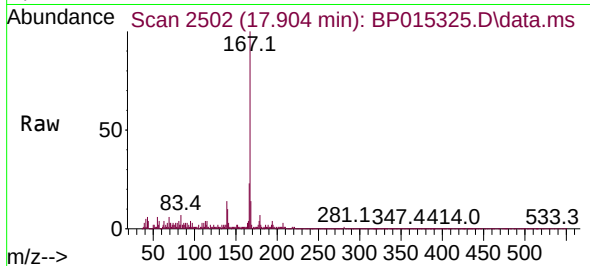
#73
 Carbazole
 Concen: 3.416 ng
 RT: 17.904 min Scan# 2502
 Delta R.T. -0.006 min
 Lab File: BP015325.D
 Acq: 27 May 2023 00:09

Instrument :
 BNA_P
 ClientSampleId :
 OR-03-052423

Tgt Ion:167 Resp: 139989
 Ion Ratio Lower Upper
 167 100
 166 23.0 17.4 26.0
 139 13.9 10.2 15.2

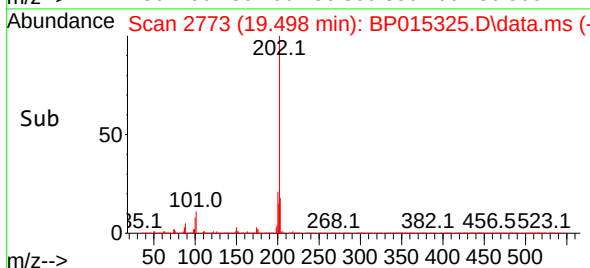
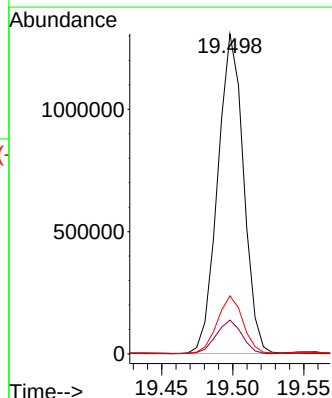
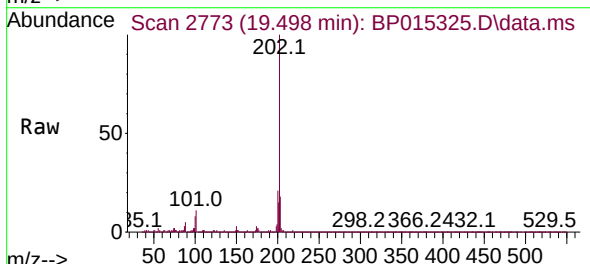
Manual Integrations
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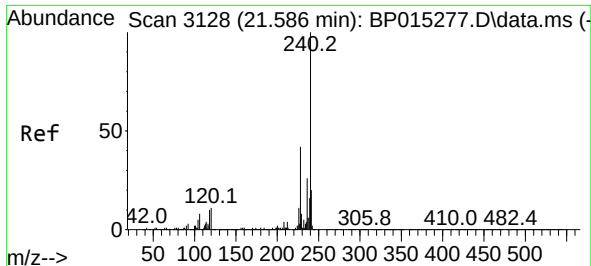
Reviewed By :Christian Giraldo 05/30/2023
 Supervised By :Jagrut Upadhyay 05/31/2023



#75
 Fluoranthene
 Concen: 30.597 ng
 RT: 19.498 min Scan# 2773
 Delta R.T. -0.000 min
 Lab File: BP015325.D
 Acq: 27 May 2023 00:09

Tgt Ion:202 Resp: 1651916
 Ion Ratio Lower Upper
 202 100
 101 10.6 0.0 31.4
 203 18.1 0.0 37.6





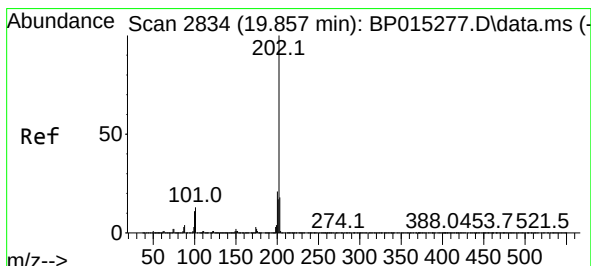
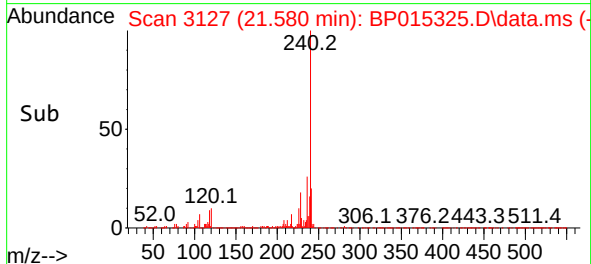
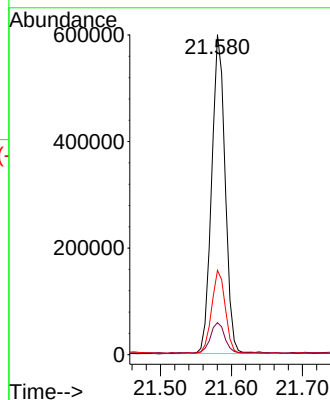
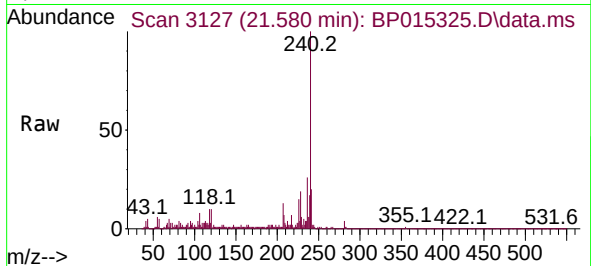
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.580 min Scan# 3128
Delta R.T. -0.006 min
Lab File: BP015325.D
Acq: 27 May 2023 00:09

Instrument :
BNA_P
ClientSampleId :
OR-03-052423

Tgt Ion:240 Resp: 793159
Ion Ratio Lower Upper
240 100
120 10.0 8.8 13.2
236 26.3 20.5 30.7

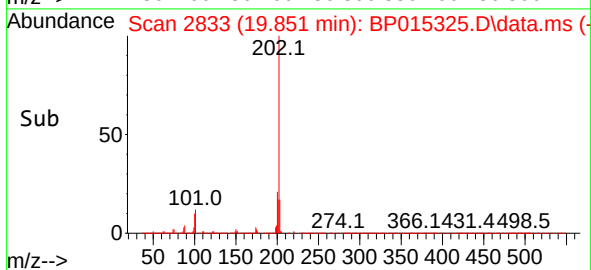
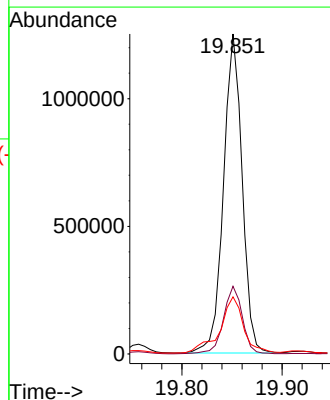
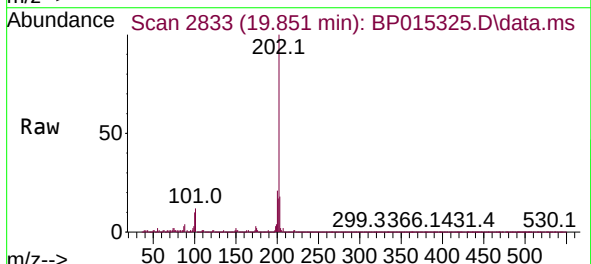
Manual Integrations
APPROVED

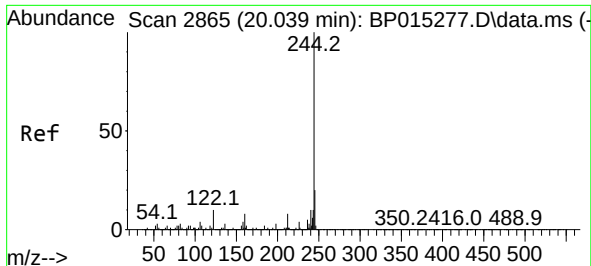
Reviewed By :Christian Giraldo 05/30/2023
Supervised By :Jagrut Upadhyay 05/31/2023



#78
Pyrene
Concen: 28.433 ng
RT: 19.851 min Scan# 2833
Delta R.T. -0.006 min
Lab File: BP015325.D
Acq: 27 May 2023 00:09

Tgt Ion:202 Resp: 1613596
Ion Ratio Lower Upper
202 100
200 21.2 17.1 25.7
203 17.8 14.2 21.2





#79
 Terphenyl-d14
 Concen: 54.453 ng
 RT: 20.039 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BP015325.D
 Acq: 27 May 2023 00:09

Instrument :

BNA_P

ClientSampleId :

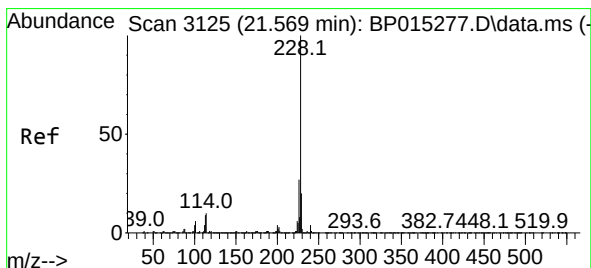
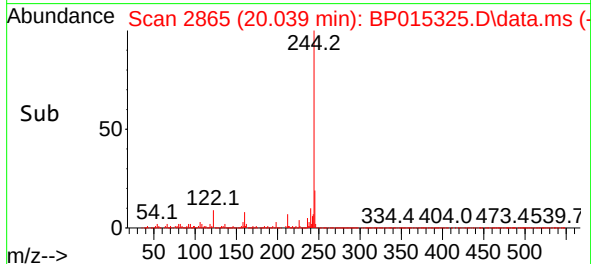
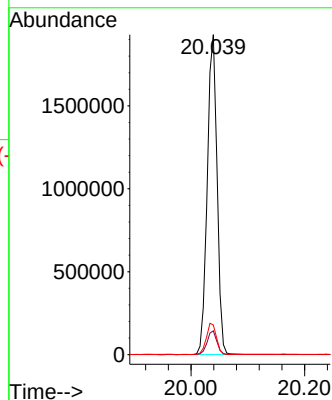
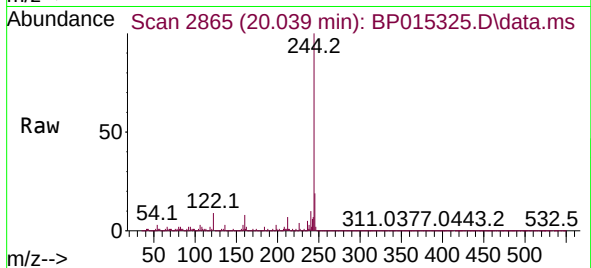
OR-03-052423

Tgt Ion:244 Resp: 2296149
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.0 9.0
 122 9.3 8.2 12.4

Manual Integrations

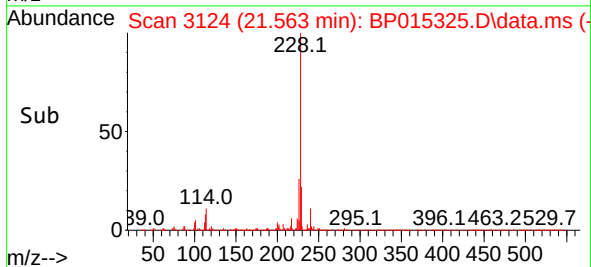
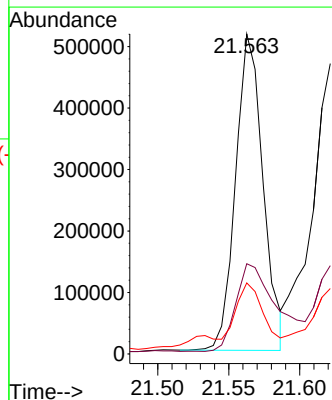
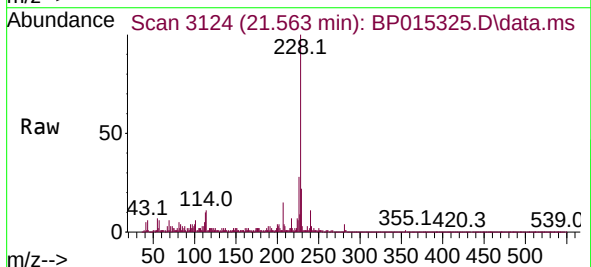
APPROVED

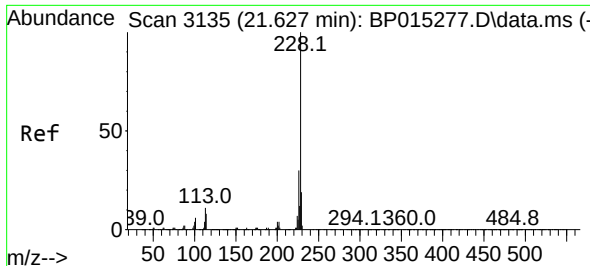
Reviewed By :Christian Giraldo 05/30/2023
 Supervised By :Jagrut Upadhyay 05/31/2023



#81
 Benzo(a)anthracene
 Concen: 12.561 ng
 RT: 21.563 min Scan# 3124
 Delta R.T. -0.006 min
 Lab File: BP015325.D
 Acq: 27 May 2023 00:09

Tgt Ion:228 Resp: 692220
 Ion Ratio Lower Upper
 228 100
 226 28.2 21.7 32.5
 229 22.2 15.8 23.8





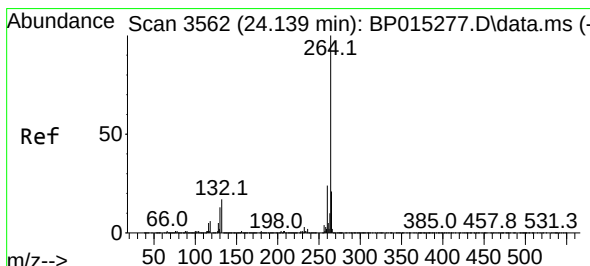
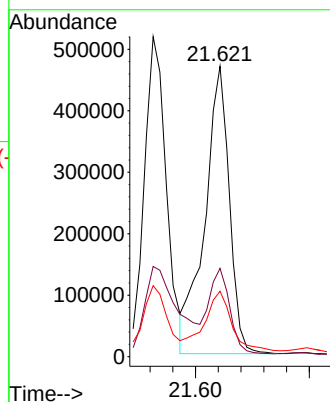
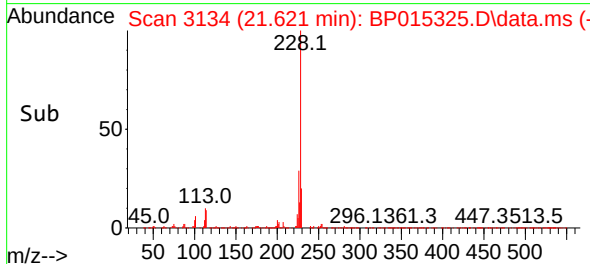
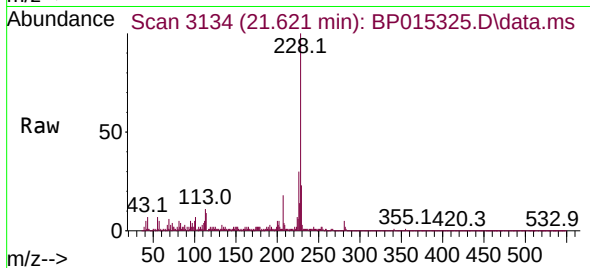
#83
Chrysene
Concen: 13.258 ng
RT: 21.621 min Scan# 3135
Delta R.T. -0.006 min
Lab File: BP015325.D
Acq: 27 May 2023 00:09

Instrument :
BNA_P
ClientSampleId :
OR-03-052423

Tgt Ion:228 Resp: 700591
Ion Ratio Lower Upper
228 100
226 30.4 23.8 35.6
229 22.5 15.5 23.3

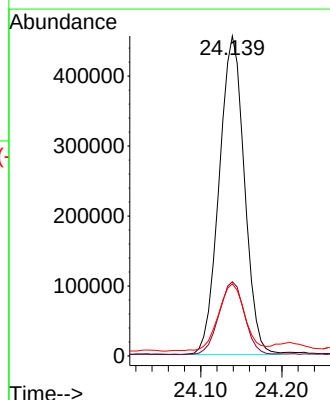
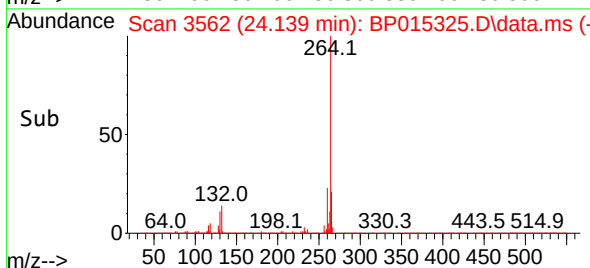
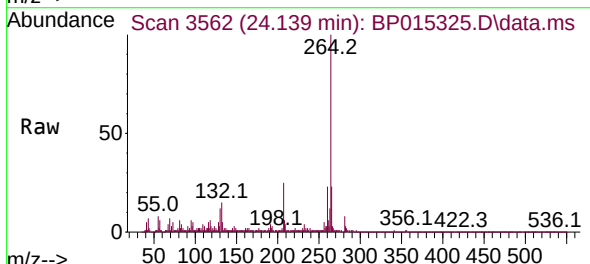
Manual Integrations
APPROVED

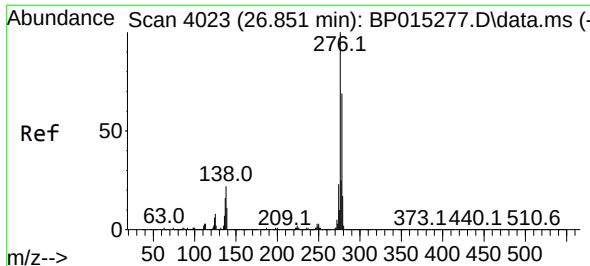
Reviewed By :Christian Giraldo 05/30/2023
Supervised By :Jagrut Upadhyay 05/31/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.139 min Scan# 3562
Delta R.T. -0.000 min
Lab File: BP015325.D
Acq: 27 May 2023 00:09

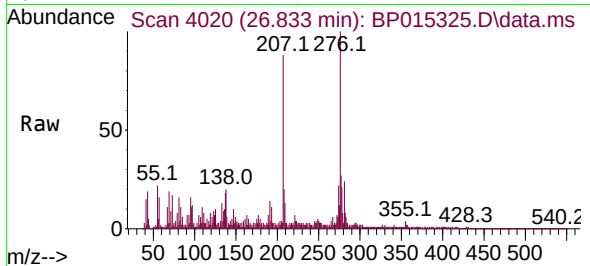
Tgt Ion:264 Resp: 981171
Ion Ratio Lower Upper
264 100
260 23.2 19.0 28.6
265 22.6 17.5 26.3





#87
Indeno(1,2,3-cd)pyrene
Concen: 5.901 ng
RT: 26.833 min Scan# 4023
Delta R.T. -0.018 min
Lab File: BP015325.D
Acq: 27 May 2023 00:09

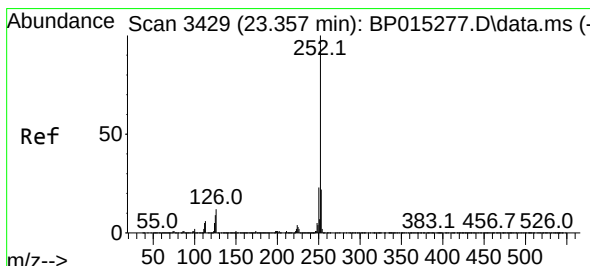
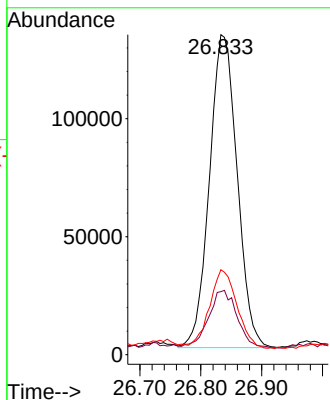
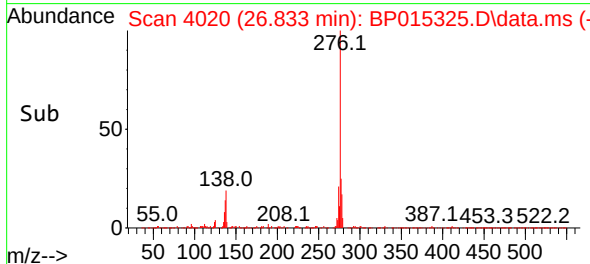
Instrument :
BNA_P
ClientSampleId :
OR-03-052423



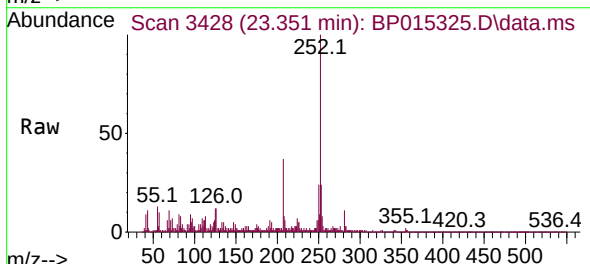
Tgt Ion: 276 Resp: 419658
Ion Ratio Lower Upper
276 100
138 19.1 19.0 28.6
277 24.8 20.2 30.2

Manual Integrations
APPROVED

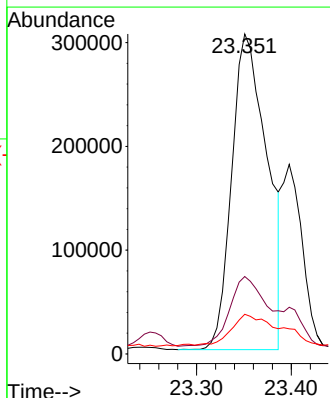
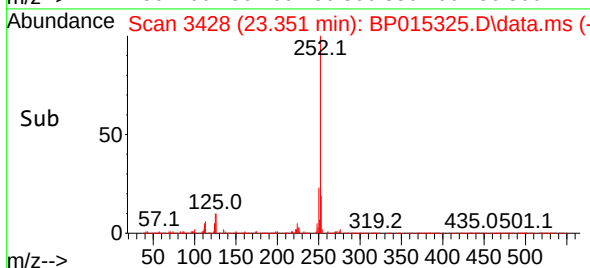
Reviewed By : Christian Giraldo 05/30/2023
Supervised By : Jagrut Upadhyay 05/31/2023

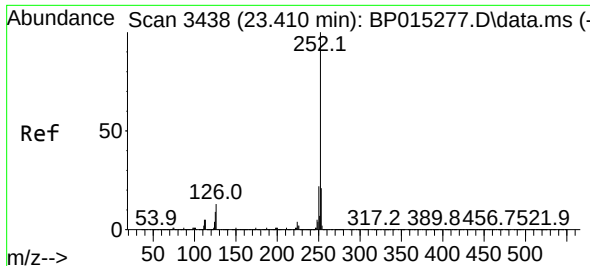


#88
Benzo(b)fluoranthene
Concen: 13.253 ng
RT: 23.351 min Scan# 3428
Delta R.T. -0.006 min
Lab File: BP015325.D
Acq: 27 May 2023 00:09



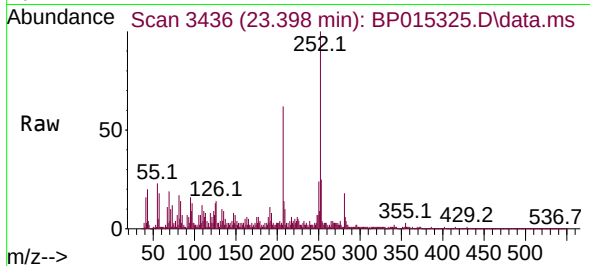
Tgt Ion: 252 Resp: 790635
Ion Ratio Lower Upper
252 100
253 24.2 17.4 26.2
125 12.4 7.2 10.8





#89
Benzo(k)fluoranthene
Concen: 4.390 ng m
RT: 23.398 min Scan# 3438
Delta R.T. -0.012 min
Lab File: BP015325.D
Acq: 27 May 2023 00:09

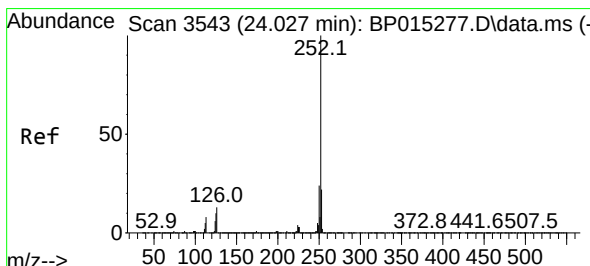
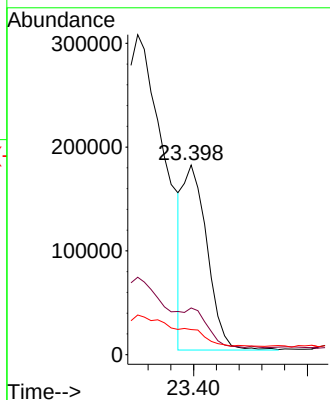
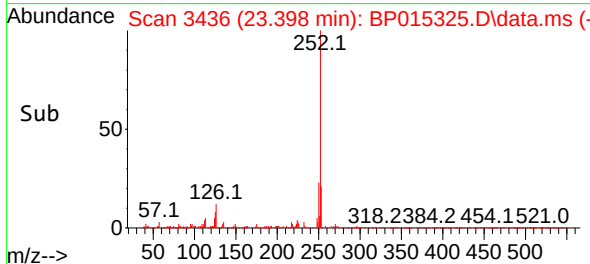
Instrument :
BNA_P
ClientSampleId :
OR-03-052423



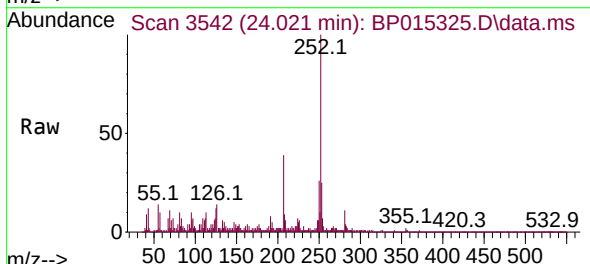
Tgt Ion:252 Resp: 263714
Ion Ratio Lower Upper
252 100
253 24.6 17.0 25.4
125 13.2 7.4 11.0

Manual Integrations
APPROVED

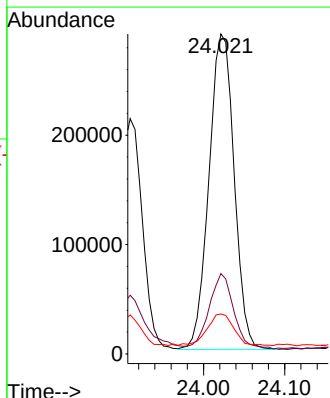
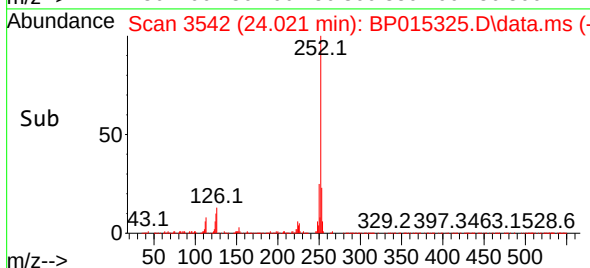
Reviewed By :Christian Giraldo 05/30/2023
Supervised By :Jagrut Upadhyay 05/31/2023

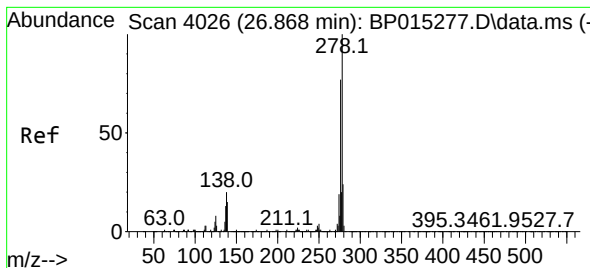


#90
Benzo(a)pyrene
Concen: 10.801 ng
RT: 24.021 min Scan# 3542
Delta R.T. -0.006 min
Lab File: BP015325.D
Acq: 27 May 2023 00:09



Tgt Ion:252 Resp: 622105
Ion Ratio Lower Upper
252 100
253 25.1 17.4 26.2
125 12.5 8.4 12.6





#91

Dibenzo(a,h)anthracene

Concen: 2.079 ng

RT: 26.845 min Scan# 4026

Delta R.T. -0.024 min

Lab File: BP015325.D

Acq: 27 May 2023 00:09

Instrument :

BNA_P

ClientSampleId :

OR-03-052423

Tgt Ion: 278 Resp: 121408

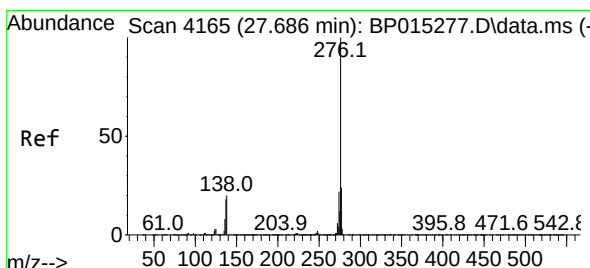
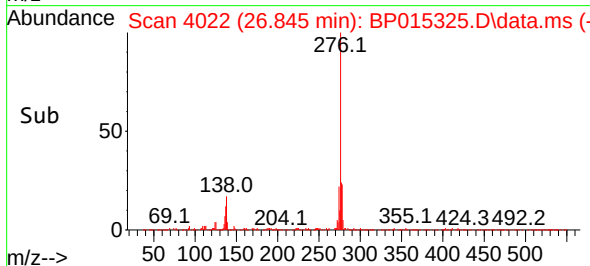
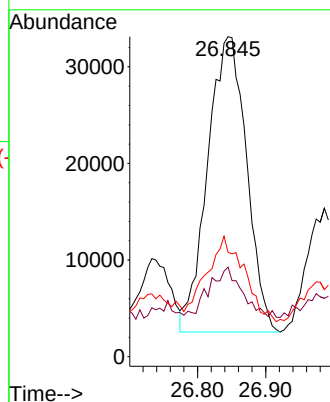
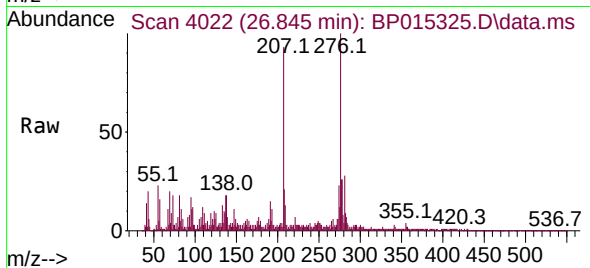
Ion	Ratio	Lower	Upper
278	100		
139	28.0	12.3	18.5
279	32.6	19.3	28.9

Manual Integrations

APPROVED

Reviewed By : Christian Giraldo 05/30/2023

Supervised By : Jagrut Upadhyay 05/31/2023



#92

Benzo(g,h,i)perylene

Concen: 7.738 ng

RT: 27.680 min Scan# 4164

Delta R.T. -0.006 min

Lab File: BP015325.D

Acq: 27 May 2023 00:09

Tgt Ion: 276 Resp: 459186

Ion	Ratio	Lower	Upper
276	100		
277	25.3	19.0	28.6
138	20.7	16.2	24.2

