

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102022\
 Data File : BP012241.D
 Acq On : 21 Oct 2022 12:39
 Operator : CG/JU
 Sample : N4755-06
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DBWK2

Manual Integrations
 APPROVED

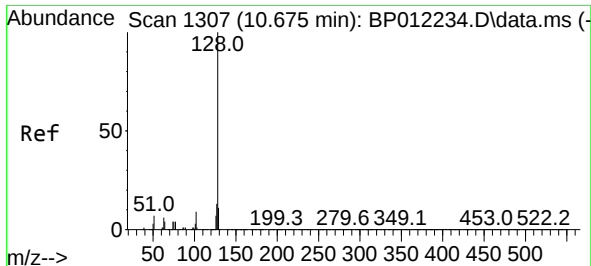
Reviewed By :Jagrut Upadhyay 10/24/2022
 Supervised By :Sohil Jodhani 10/25/2022

Quant Time: Oct 21 22:31:01 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP101922.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 20 00:51:41 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.822	152	350161	20.000	ng/u1	0.00
20) Naphthalene-d8	10.628	136	1471435	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.475	164	818316	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.234	188	1299819	20.000	ng/u1	0.00
79) Chrysene-d12	21.339	240	1066115	20.000	ng/u1	0.00
88) Perylene-d12	23.751	264	1387619m	20.000	ng/u1	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.258	96	39585	4.575	ng/uL	0.00
4) Pyridine-d5	3.681	84	270998	10.869	ng/u1	0.00
7) Phenol-d5	6.993	99	831465	27.505	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.158	67	469675	25.619	ng/u1	0.00
11) 2-Chlorophenol-d4	7.352	132	652705	28.366	ng/u1	0.00
15) 4-Methylphenol-d8	8.534	113	588308	25.040	ng/u1	-0.01
21) Nitrobenzene-d5	8.993	128	315458	28.963	ng/u1	0.00
24) 2-Nitrophenol-d4	9.710	143	350903	29.861	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.252	165	634087	28.767	ng/u1	0.00
31) 4-Chloroaniline-d4	10.775	131	458706	14.647	ng/u1	0.00
46) Dimethylphthalate-d6	13.887	166	1740483	30.576	ng/u1	0.00
49) Acenaphthylene-d8	14.163	160	1954457	30.080	ng/u1	-0.01
54) 4-Nitrophenol-d4	14.693	143	204712	19.196	ng/u1	0.00
60) Fluorene-d10	15.469	176	1404118	28.672	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.598	200	119424	16.150	ng/u1	0.00
73) Anthracene-d10	17.339	188	1792796	31.466	ng/u1	0.00
81) Pyrene-d10	19.581	212	1720029	28.337	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.598	264	2081335m	29.910	ng/u1	0.01
Target Compounds					Qvalue	
30) Naphthalene	10.675	128	816425	10.374	ng/u1	100
36) 2-Methylnaphthalene	12.287	142	285605	5.334	ng/u1	100
37) 1-Methylnaphthalene	12.510	142	107376	2.008	ng/u1#	99
50) Acenaphthylene	14.198	152	1583341	21.870	ng/u1	100
52) Acenaphthene	14.540	153	544376	10.632	ng/u1	99
61) Fluorene	15.528	166	1014996	18.278	ng/u1	100
71) Pentachlorophenol	16.887	266	141774	14.478	ng/u1	99
72) Phenanthrene	17.281	178	5358922	76.709	ng/u1	100
74) Anthracene	17.381	178	16699306	241.595	ng/u1	93
80) Fluoranthene	19.257	202	14283408m	190.432	ng/u1	
82) Pyrene	19.616	202	15989124m	208.357	ng/u1	
85) Benzo(a)anthracene	21.322	228	7368000	106.040	ng/u1	95
87) Chrysene	21.375	228	10303929	158.914	ng/u1	97
90) Benzo(b)fluoranthene	23.027	252	17315912m	187.247	ng/u1	
91) Benzo(k)fluoranthene	23.069	252	5095568m	55.900	ng/u1	
93) Benzo(a)pyrene	23.657	252	8383115m	106.009	ng/u1	
94) Indeno(1,2,3-cd)pyrene	26.268	276	7806406m	85.275	ng/u1	
95) Dibenzo(a,h)anthracene	26.274	278	1976371m	23.947	ng/u1	
96) Benzo(g,h,i)perylene	27.045	276	6370434m	74.114	ng/u1	

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



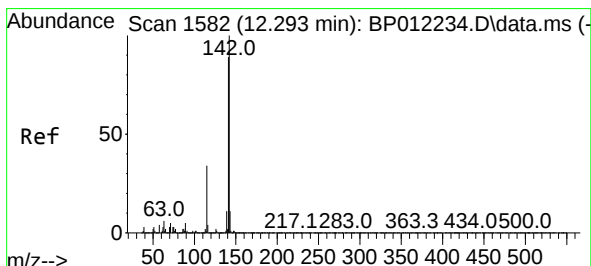
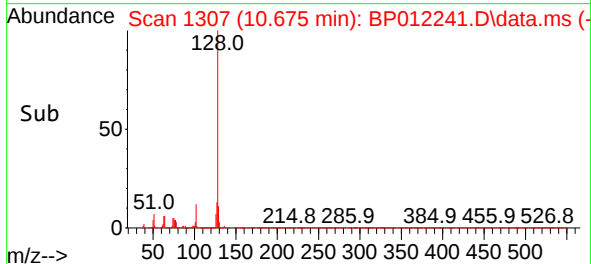
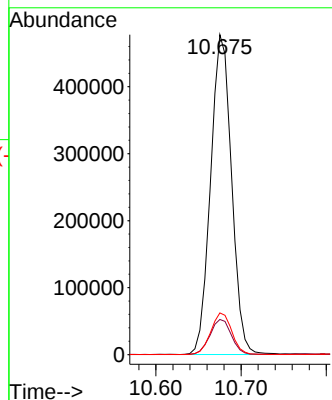
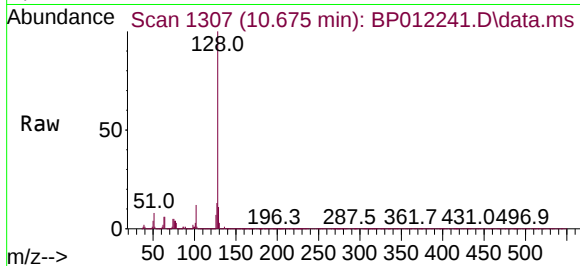
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Naphthalene
Concen: 10.374 ng/ul
RT: 10.675 min Scan# 1307
Delta R.T. -0.006 min
Lab File: BP012241.D
Acq: 21 Oct 2022 12:39

Instrument :
BNA_P
ClientSampleId :
DBWK2

Tgt Ion:128 Resp: 816425
Ion Ratio Lower Upper
128 100
129 11.0 8.8 13.2
127 13.0 10.2 15.4

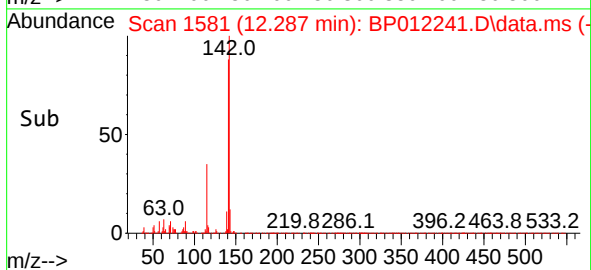
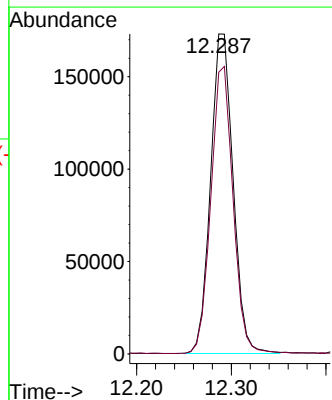
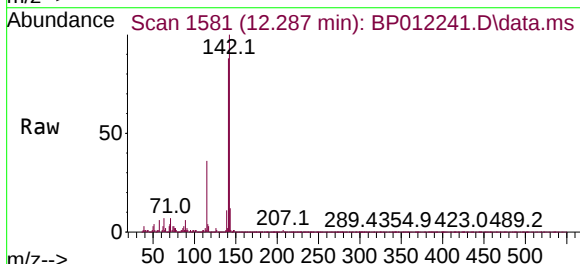
Manual Integrations
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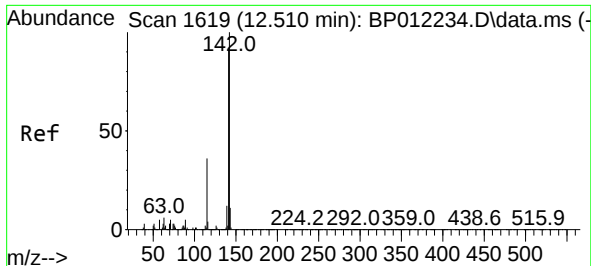
Reviewed By :Jagrut Upadhyay 10/24/2022
Supervised By :Sohil Jodhani 10/25/2022



#36
2-Methylnaphthalene
Concen: 5.334 ng/ul
RT: 12.287 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BP012241.D
Acq: 21 Oct 2022 12:39

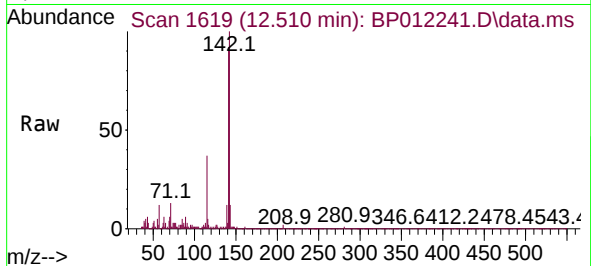
Tgt Ion:142 Resp: 285605
Ion Ratio Lower Upper
142 100
141 88.0 70.3 105.5





#37
1-Methylnaphthalene
Concen: 2.008 ng/ul
RT: 12.510 min Scan# 1619
Delta R.T. -0.006 min
Lab File: BP012241.D
Acq: 21 Oct 2022 12:39

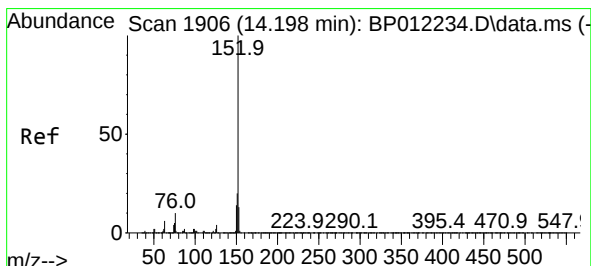
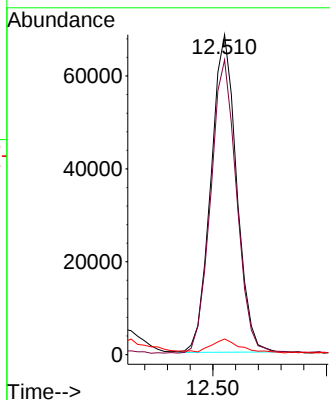
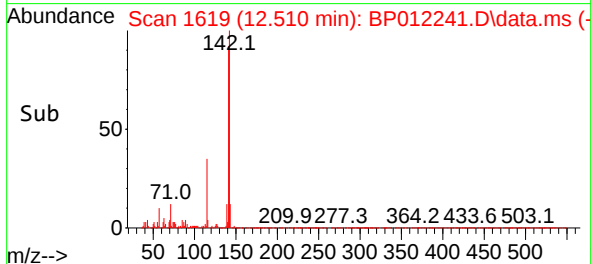
Instrument :
BNA_P
ClientSampleId :
DBWK2



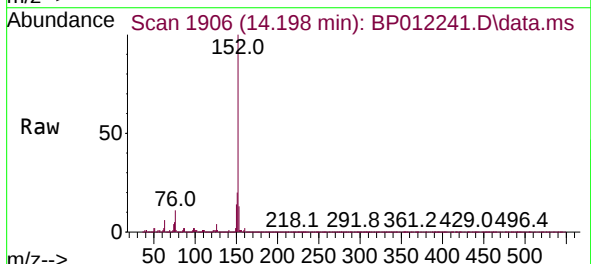
Tgt Ion:142 Resp: 107376
Ion Ratio Lower Upper
142 100
141 92.1 73.4 110.0
116 4.9 3.0 4.4

Manual Integrations
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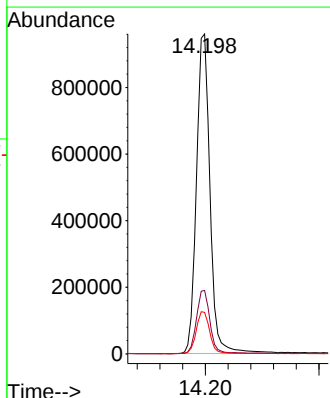
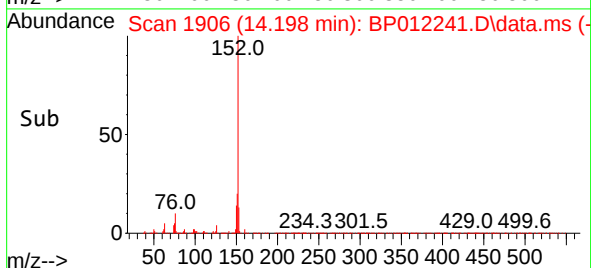
Reviewed By :Jagrut Upadhyay 10/24/2022
Supervised By :Sohil Jodhani 10/25/2022

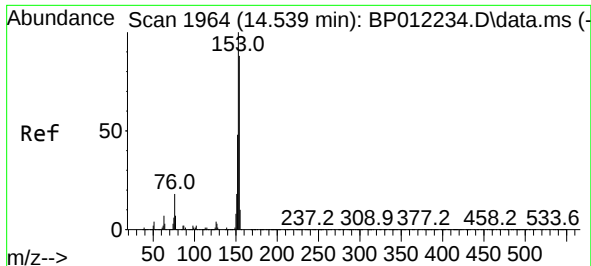


#50
Acenaphthylene
Concen: 21.870 ng/ul
RT: 14.198 min Scan# 1906
Delta R.T. 0.000 min
Lab File: BP012241.D
Acq: 21 Oct 2022 12:39



Tgt Ion:152 Resp: 1583341
Ion Ratio Lower Upper
152 100
151 19.8 15.8 23.8
153 13.0 10.6 16.0





#52
Acenaphthene
Concen: 10.632 ng/ul
RT: 14.540 min Scan# 1964
Delta R.T. -0.006 min
Lab File: BP012241.D
Acq: 21 Oct 2022 12:39

Instrument :

BNA_P

ClientSampleId :

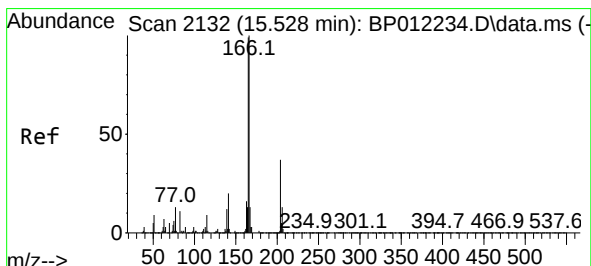
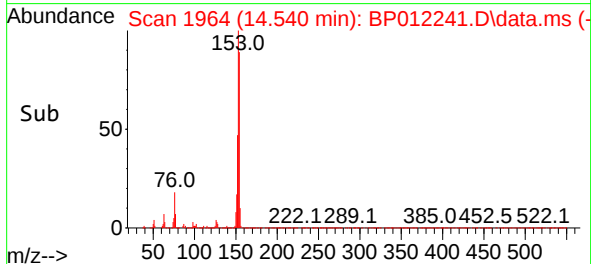
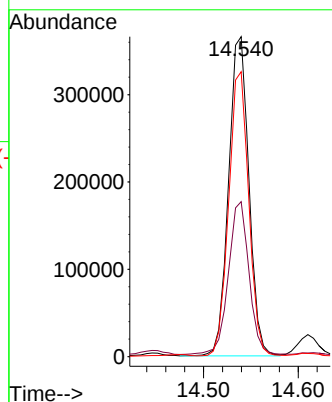
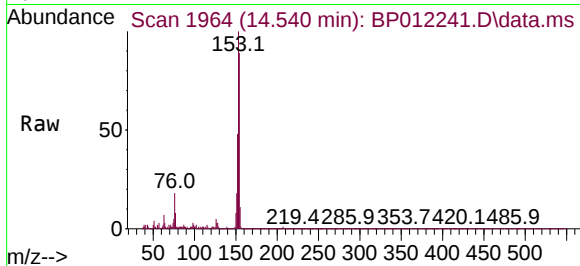
DBWK2

Tgt Ion:153 Resp: 544376
Ion Ratio Lower Upper
153 100
152 48.4 38.1 57.1
154 89.0 71.4 107.2

Manual Integrations

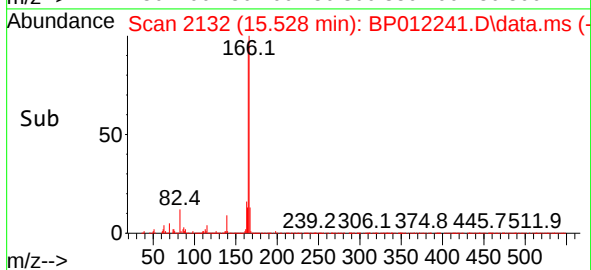
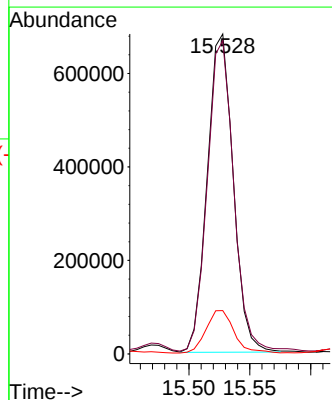
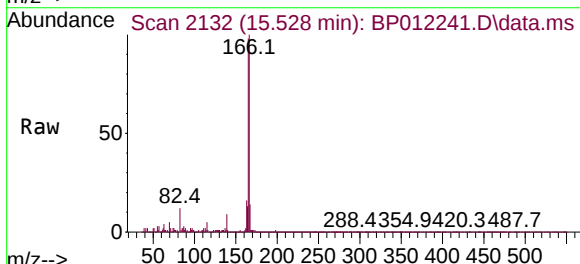
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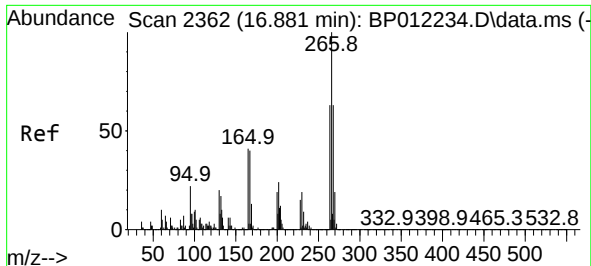
Reviewed By :Jagrut Upadhyay 10/24/2022
Supervised By :Sohil Jodhani 10/25/2022



#61
Fluorene
Concen: 18.278 ng/ul
RT: 15.528 min Scan# 2132
Delta R.T. -0.006 min
Lab File: BP012241.D
Acq: 21 Oct 2022 12:39

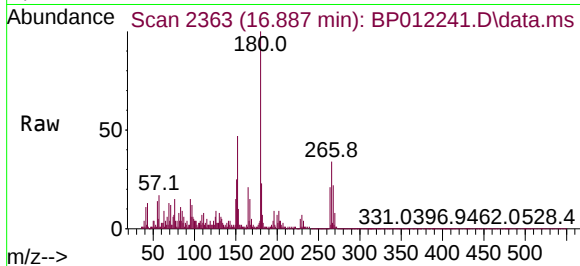
Tgt Ion:166 Resp: 1014996
Ion Ratio Lower Upper
166 100
165 97.9 78.0 117.0
167 13.5 10.7 16.1





#71
Pentachlorophenol
Concen: 14.478 ng/ul
RT: 16.887 min Scan# 2362
Delta R.T. 0.000 min
Lab File: BP012241.D
Acq: 21 Oct 2022 12:39

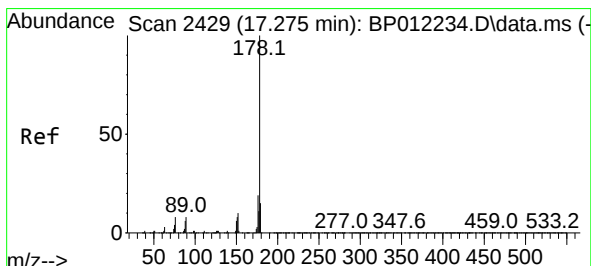
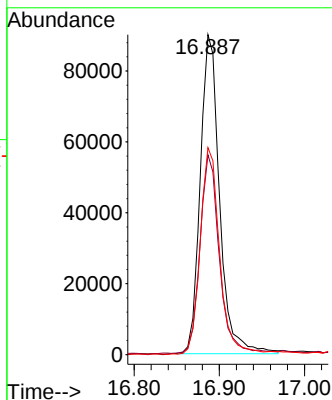
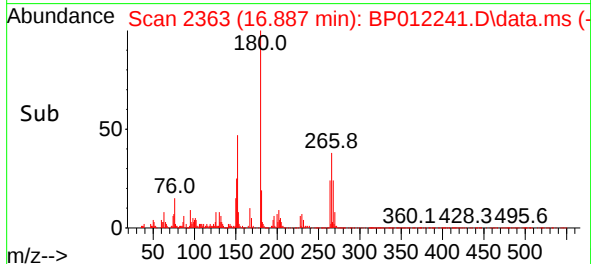
Instrument :
BNA_P
Client SampleId :
DBWK2



Tgt Ion: 266 Resp: 141774
Ion Ratio Lower Upper
266 100
264 62.4 50.1 75.1
268 64.7 50.6 76.0

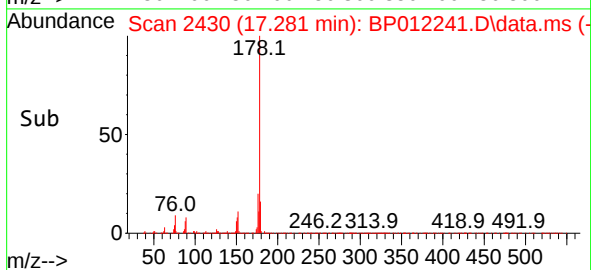
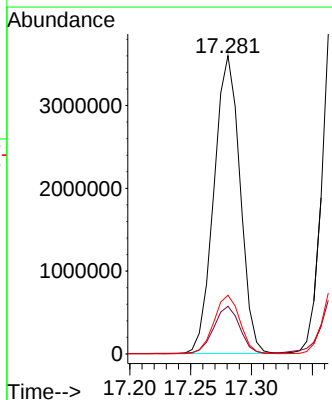
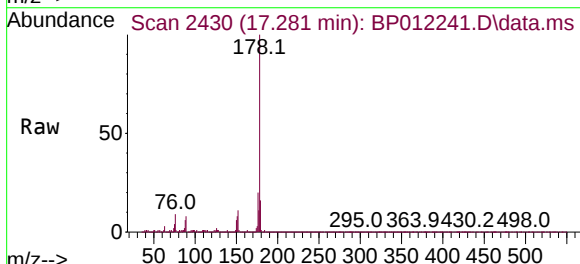
Manual Integrations
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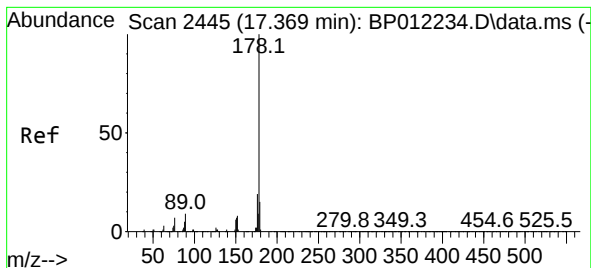
Reviewed By : Jagrut Upadhyay 10/24/2022
Supervised By : Sohil Jodhani 10/25/2022



#72
Phenanthrene
Concen: 76.709 ng/ul
RT: 17.281 min Scan# 2430
Delta R.T. 0.000 min
Lab File: BP012241.D
Acq: 21 Oct 2022 12:39

Tgt Ion: 178 Resp: 5358922
Ion Ratio Lower Upper
178 100
179 15.9 12.6 18.8
176 19.7 15.6 23.4





#74

Anthracene

Concen: 241.595 ng/ul

RT: 17.381 min Scan# 2445

Delta R.T. 0.006 min

Lab File: BP012241.D

Acq: 21 Oct 2022 12:39

Instrument :

BNA_P

ClientSampleId :

DBWK2

Tgt Ion:178 Resp:16699306

Ion Ratio Lower Upper

178 100

179 18.3 12.3 18.5

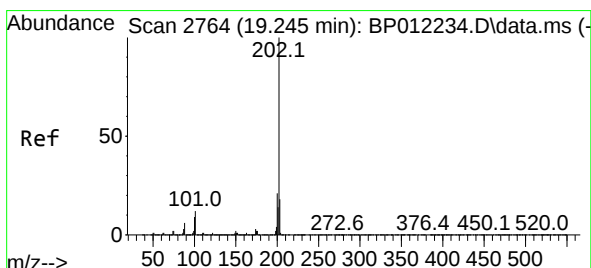
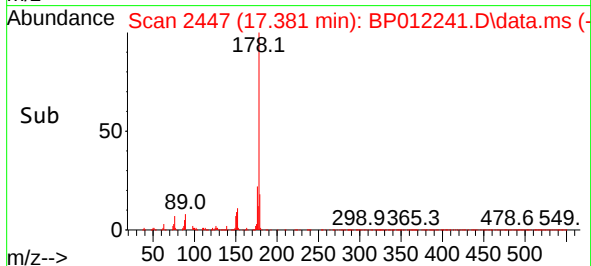
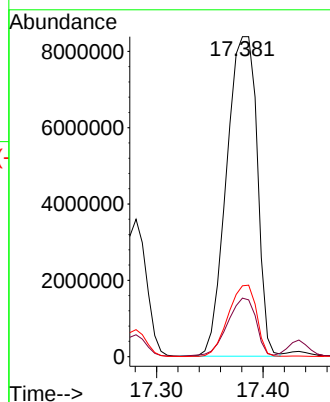
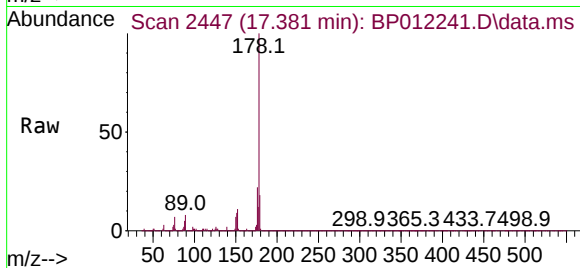
176 22.1 15.0 22.4

Manual Integrations

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Reviewed By :Jagrut Upadhyay 10/24/2022

Supervised By :Sohil Jodhani 10/25/2022



#80

Fluoranthene

Concen: 190.432 ng/ul m

RT: 19.257 min Scan# 2766

Delta R.T. 0.006 min

Lab File: BP012241.D

Acq: 21 Oct 2022 12:39

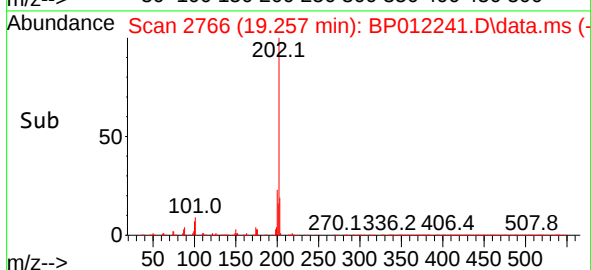
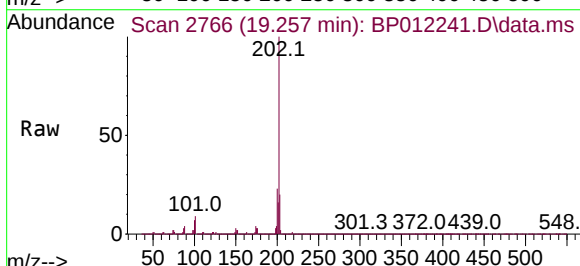
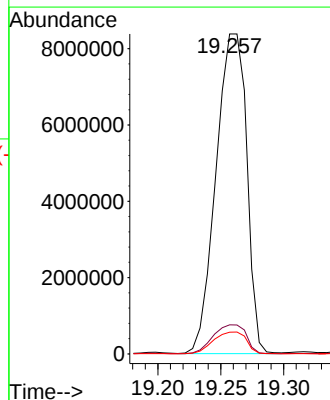
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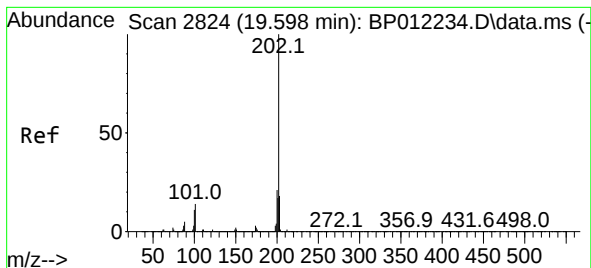
Ion Ratio Lower Upper

202 100

101 9.1 10.4 15.6#

100 6.8 7.7 11.5#





#82

Pyrene

Concen: 208.357 ng/ul m

RT: 19.616 min Scan# 2824

Delta R.T. 0.012 min

Lab File: BP012241.D

Acq: 21 Oct 2022 12:39

Instrument :

BNA_P

ClientSampleId :

DBWK2

Tgt Ion:202 Resp:15989124

Ion Ratio Lower Upper

202 100

101 11.1 12.3 18.5

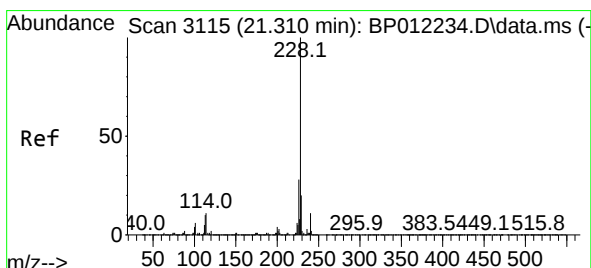
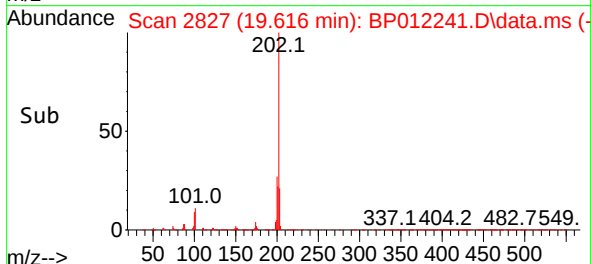
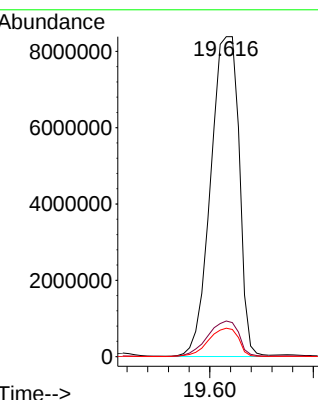
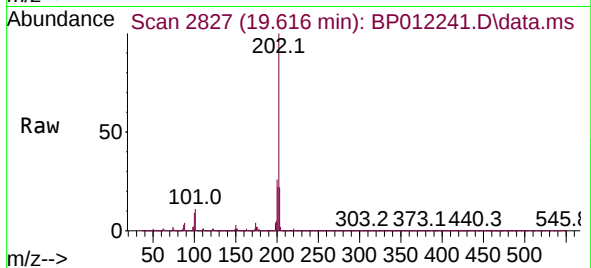
100 8.9 10.0 15.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/24/2022

Supervised By :Sohil Jodhani 10/25/2022



#85

Benzo(a)anthracene

Concen: 106.040 ng/ul

RT: 21.322 min Scan# 3117

Delta R.T. 0.006 min

Lab File: BP012241.D

Acq: 21 Oct 2022 12:39

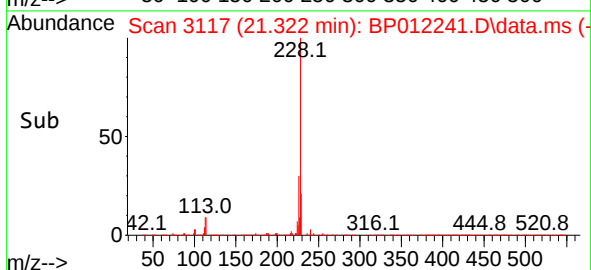
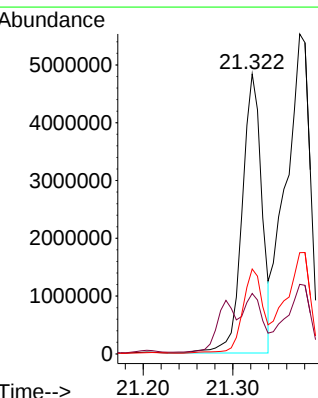
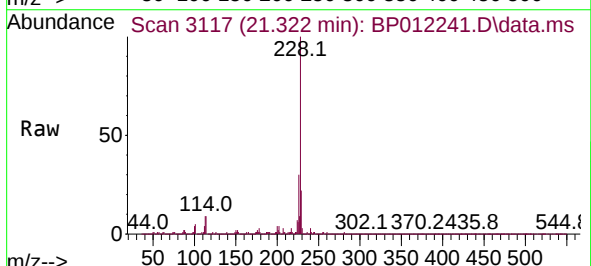
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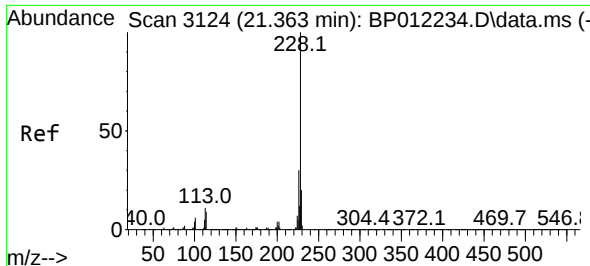
Ion Ratio Lower Upper

228 100

229 21.6 16.1 24.1

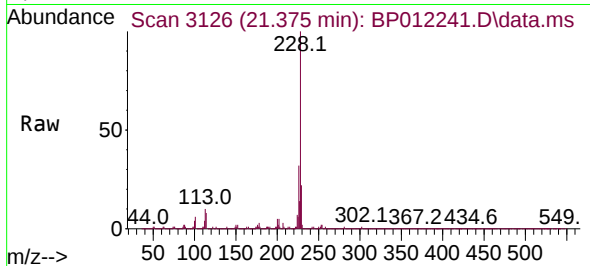
226 30.3 21.9 32.9





#87
Chrysene
Concen: 158.914 ng/ul
RT: 21.375 min Scan# 3126
Delta R.T. 0.006 min
Lab File: BP012241.D
Acq: 21 Oct 2022 12:39

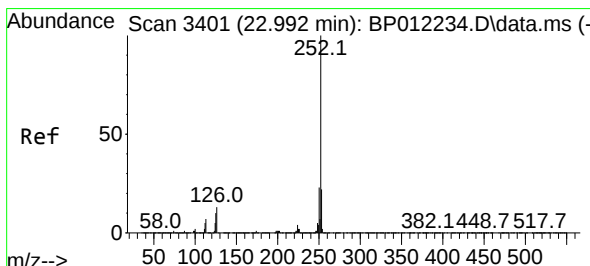
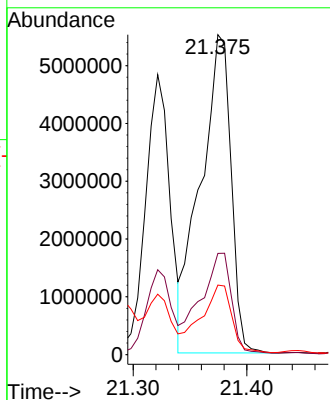
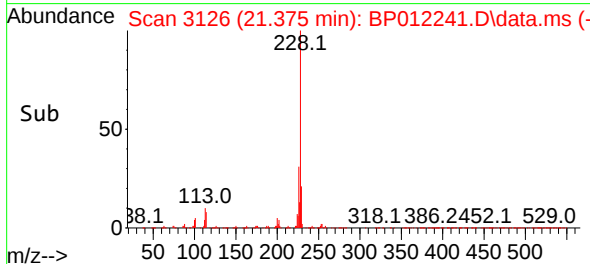
Instrument :
BNA_P
Client SampleId :
DBWK2



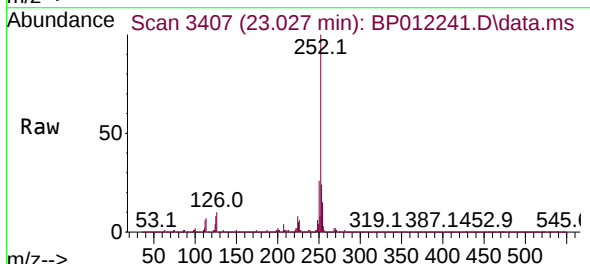
Tgt Ion: 228 Resp: 10303929
Ion Ratio Lower Upper
228 100
226 31.6 24.2 36.4
229 21.7 15.8 23.8

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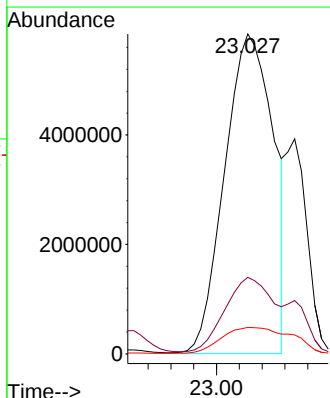
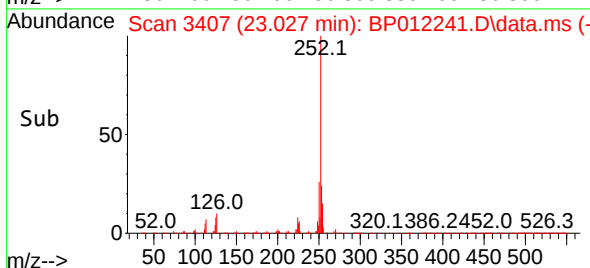
Reviewed By : Jagrut Upadhyay 10/24/2022
Supervised By : Sohil Jodhani 10/25/2022

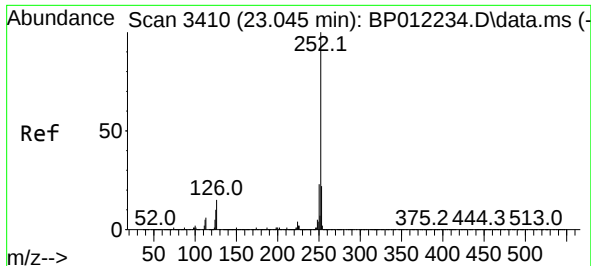


#90
Benzo(b)fluoranthene
Concen: 187.247 ng/ul m
RT: 23.027 min Scan# 3407
Delta R.T. 0.024 min
Lab File: BP012241.D
Acq: 21 Oct 2022 12:39



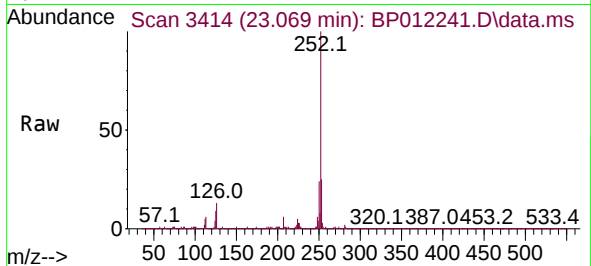
Tgt Ion: 252 Resp: 17315912
Ion Ratio Lower Upper
252 100
253 23.9 17.5 26.3
125 8.3 8.5 12.7#





#91
Benzo(k)fluoranthene
Concen: 55.900 ng/ul m
RT: 23.069 min Scan# 3410
Delta R.T. 0.018 min
Lab File: BP012241.D
Acq: 21 Oct 2022 12:39

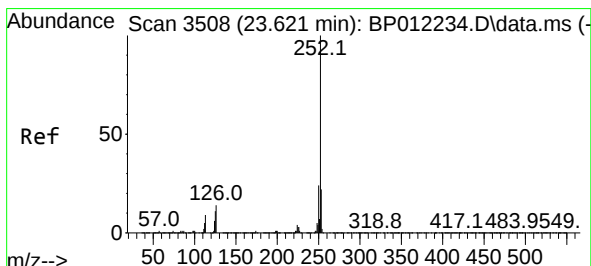
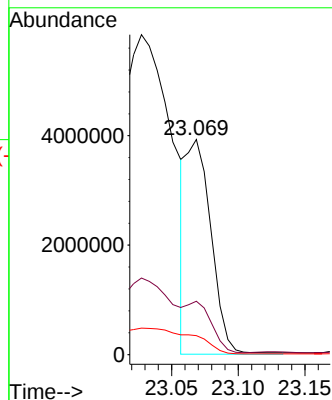
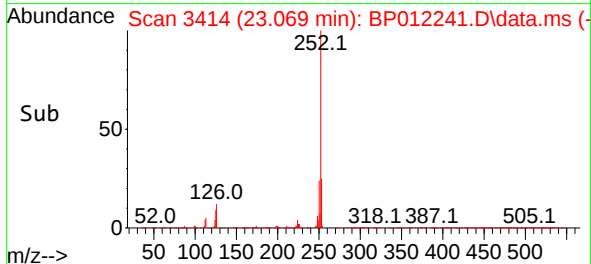
Instrument :
BNA_P
ClientSampleId :
DBWK2



Tgt Ion:252 Resp: 5095568
Ion Ratio Lower Upper
252 100
253 24.8 17.9 26.9
125 8.9 8.6 13.0

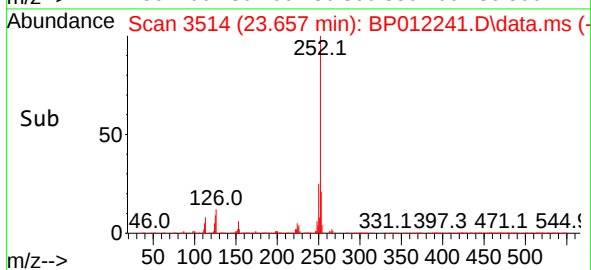
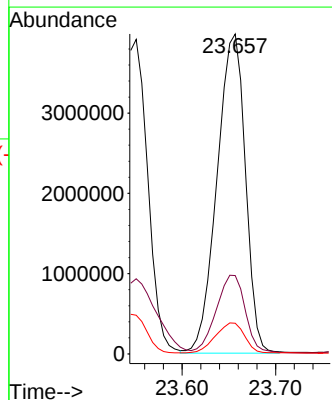
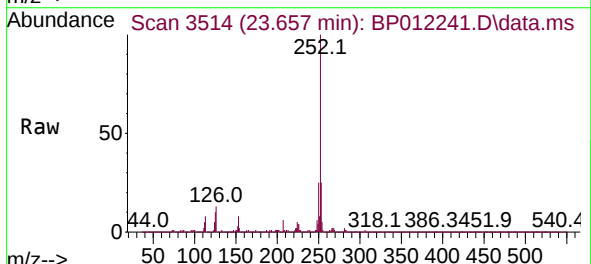
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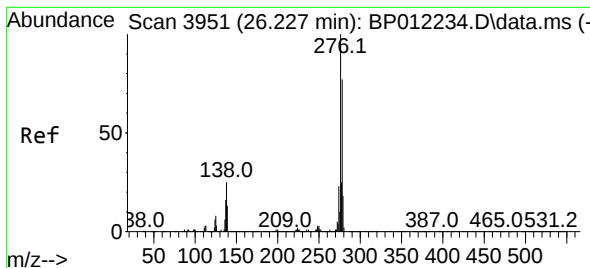
Reviewed By :Jagrut Upadhyay 10/24/2022
Supervised By :Sohil Jodhani 10/25/2022



#93
Benzo(a)pyrene
Concen: 106.009 ng/ul m
RT: 23.657 min Scan# 3514
Delta R.T. 0.024 min
Lab File: BP012241.D
Acq: 21 Oct 2022 12:39

Tgt Ion:252 Resp: 8383115
Ion Ratio Lower Upper
252 100
253 24.5 17.8 26.6
125 9.6 9.7 14.5#





#94

Indeno(1,2,3-cd)pyrene

Concen: 85.275 ng/ul m

RT: 26.268 min Scan# 3958

Delta R.T. 0.024 min

Lab File: BP012241.D

Acq: 21 Oct 2022 12:39

Instrument :

BNA_P

ClientSampleId :

DBWK2

Tgt Ion:276 Resp: 7806406

Ion Ratio Lower Upper

276 100

138 18.6 20.3 30.5

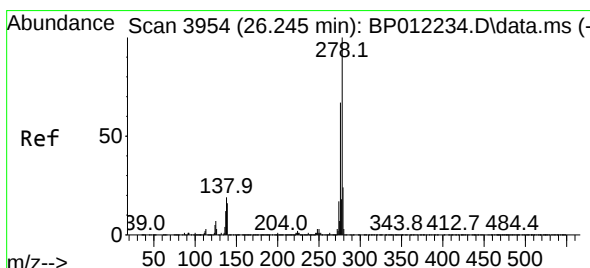
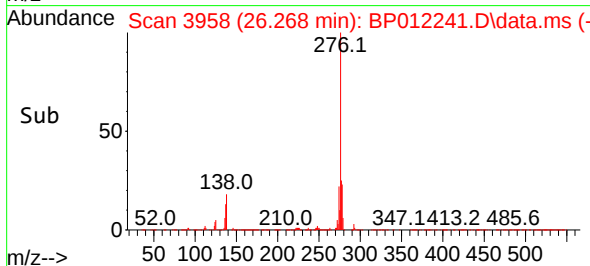
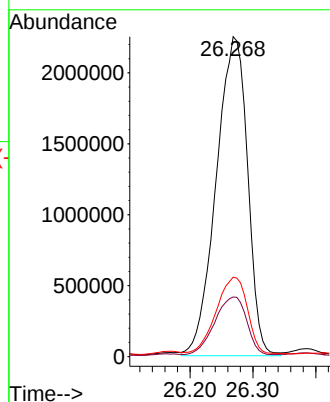
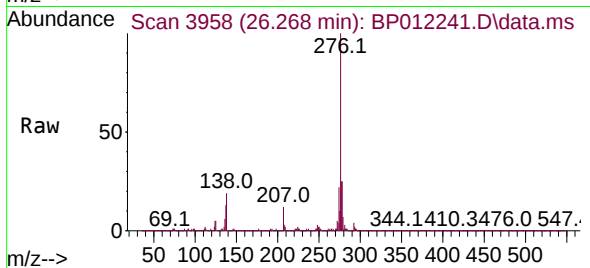
277 24.8 20.2 30.4

Manual Integrations

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Reviewed By :Jagrut Upadhyay 10/24/2022

Supervised By :Sohil Jodhani 10/25/2022



#95

Dibenzo(a,h)anthracene

Concen: 23.947 ng/ul m

RT: 26.274 min Scan# 3959

Delta R.T. 0.012 min

Lab File: BP012241.D

Acq: 21 Oct 2022 12:39

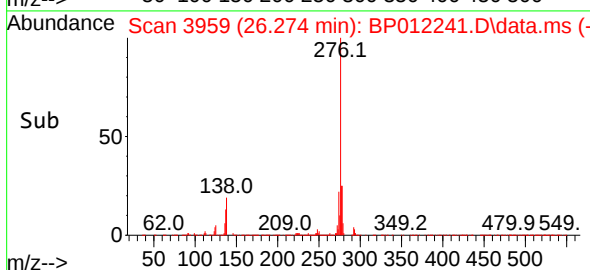
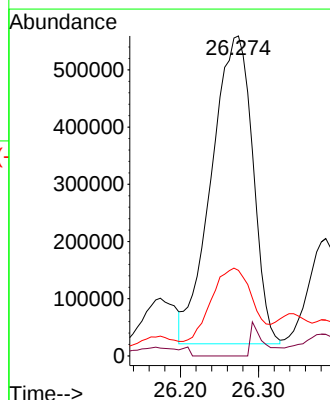
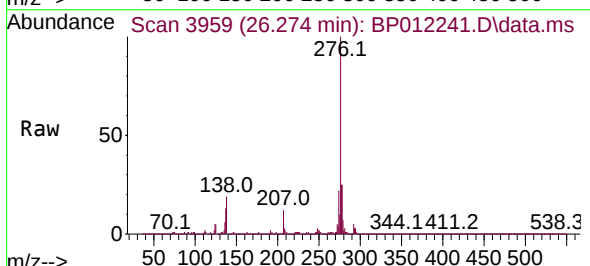
Tgt Ion:278 Resp: 1976371

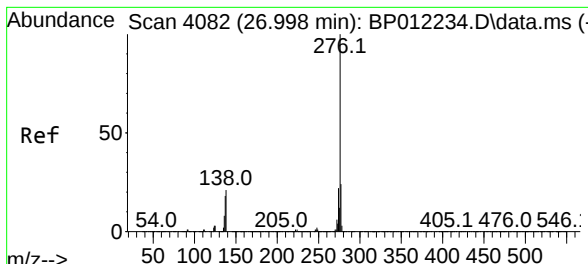
Ion Ratio Lower Upper

278 100

139 0.0 12.9 19.3

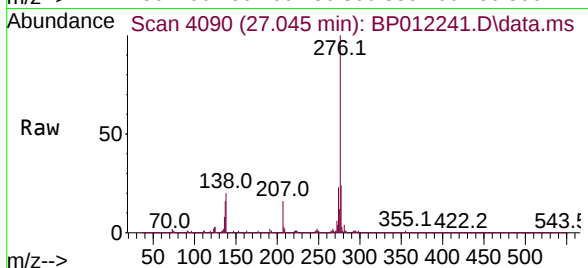
279 26.7 19.0 28.4





#96
 Benzo(g,h,i)perylene
 Concen: 74.114 ng/ul m
 RT: 27.045 min Scan# 40
 Delta R.T. 0.035 min
 Lab File: BP012241.D
 Acq: 21 Oct 2022 12:39

Instrument :
 BNA_P
 ClientSampleId :
 DBWK2



Tgt Ion: 276 Resp: 6370434
 Ion Ratio Lower Upper
 276 100
 138 19.6 17.9 26.9
 277 24.4 18.9 28.3

Manual Integrations
 APPROVED

Reviewed By : Jagrut Upadhyay 10/24/2022
 Supervised By : Sohil Jodhani 10/25/2022

