

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP063023\
 Data File : BP015882.D
 Acq On : 01 Jul 2023 13:09
 Operator : MA/JU
 Sample : 03242-18
 Misc :
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DCGB9

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/02/2023
 Supervised By :Sohil Jodhani 07/02/2023

Quant Time: Jul 02 02:05:52 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP062623.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jun 30 22:30:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.052	152	290245	20.000	ng/u1	-0.01
20) Naphthalene-d8	10.875	136	1218254	20.000	ng/u1	#-0.02
38) Acenaphthene-d10	14.698	164	671077	20.000	ng/u1	-0.02
64) Phenanthrene-d10	17.463	188	1135815	20.000	ng/u1	#-0.01
79) Chrysene-d12	21.557	240	731517	20.000	ng/u1	# 0.00
88) Perylene-d12	24.098	264	1011856	20.000	ng/u1	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.375	96	15956	1.978	ng/uL	-0.01
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	7.240	99	298739	12.030	ng/u1	0.01
9) Bis-(2-Chloroethyl)eth...	7.375	67	204245	13.294	ng/u1	-0.01
11) 2-Chlorophenol-d4	7.587	132	246792	13.165	ng/u1	0.00
15) 4-Methylphenol-d8	8.793	113	209564	10.682	ng/u1	0.00
21) Nitrobenzene-d5	9.246	128	116458	12.508	ng/u1	0.00
24) 2-Nitrophenol-d4	9.969	143	127071	11.694	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.540	165	216345	11.173	ng/u1	0.02
31) 4-Chloroaniline-d4	11.063	131	82905	3.333	ng/u1	0.02
46) Dimethylphthalate-d6	14.110	166	692606	13.353	ng/u1	-0.01
49) Acenaphthylene-d8	14.398	160	769830	13.203	ng/u1	-0.01
54) 4-Nitrophenol-d4	15.004	143	60290m	8.808	ng/u1	0.06
60) Fluorene-d10	15.698	176	537190	12.578	ng/u1	-0.01
65) 4,6-Dinitro-2-methylph...	15.875	200	27142	3.886	ng/u1	0.02
73) Anthracene-d10	17.563	188	678618	13.080	ng/u1	-0.01
81) Pyrene-d10	19.792	212	620485	12.990	ng/u1	-0.01
92) Benzo(a)pyrene-d12	23.939	264	647648	12.688	ng/u1	0.00
Target Compounds					Qvalue	
30) Naphthalene	10.928	128	1238710	18.704	ng/u1	100
36) 2-Methylnaphthalene	12.540	142	327693	7.516	ng/u1	97
37) 1-Methylnaphthalene	12.751	142	185574	4.173	ng/u1	97
50) Acenaphthylene	14.428	152	336424	5.236	ng/u1	98
52) Acenaphthene	14.763	153	832952	18.696	ng/u1	99
61) Fluorene	15.751	166	736425	14.680	ng/u1	100
72) Phenanthrene	17.510	178	7756724	125.709	ng/u1	99
74) Anthracene	17.598	178	2236361	36.069	ng/u1	98
80) Fluoranthene	19.475	202	11420522	192.380	ng/u1	98
82) Pyrene	19.822	202	9769982	161.338	ng/u1#	93
85) Benzo(a)anthracene	21.539	228	6623963	128.724	ng/u1	96
87) Chrysene	21.598	228	7074833	144.911	ng/u1	96
90) Benzo(b)fluoranthene	23.333	252	11227934	172.695	ng/u1	97
91) Benzo(k)fluoranthene	23.374	252	4338078m	66.038	ng/u1	
93) Benzo(a)pyrene	24.004	252	7916150	139.344	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	26.827	276	6798037	88.147	ng/u1	98
95) Dibenzo(a,h)anthracene	26.821	278	1943450	30.680	ng/u1#	80
96) Benzo(g,h,i)perylene	27.668	276	5994179	94.477	ng/u1#	95

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

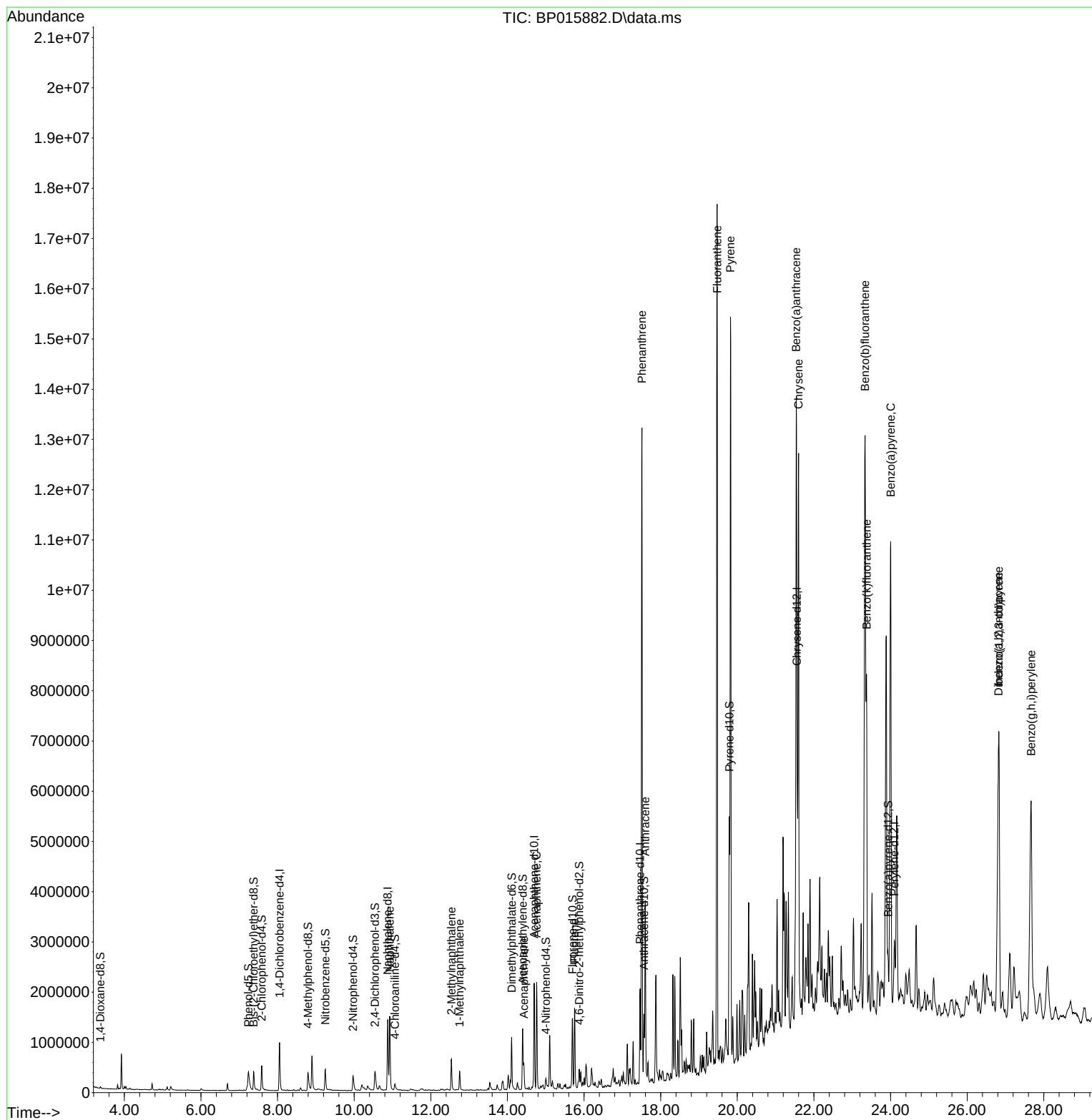
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP063023\
Data File : BP015882.D
Acq On : 01 Jul 2023 13:09
Operator : MA/JU
Sample : 03242-18
Misc :
ALS Vial : 49 Sample Multiplier: 1

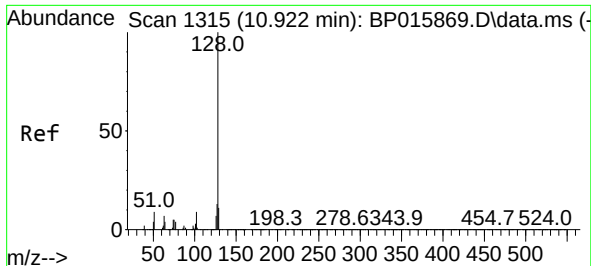
Instrument :
BNA_P
ClientSampleId :
DCGB9

Quant Time: Jul 02 02:05:52 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP062623.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jun 30 22:30:25 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

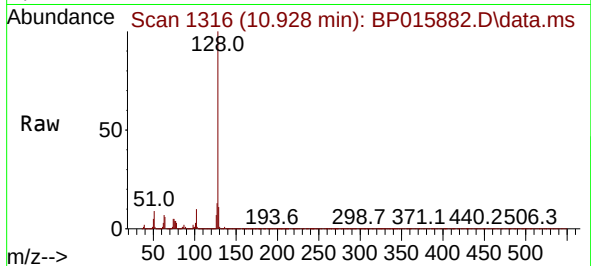
Reviewed By :Yogesh Patel 07/02/2023
Supervised By :Sohil Jodhani 07/02/2023





#30
Naphthalene
Concen: 18.704 ng/ul
RT: 10.928 min Scan# 11
Delta R.T. -0.012 min
Lab File: BP015882.D
Acq: 01 Jul 2023 13:09

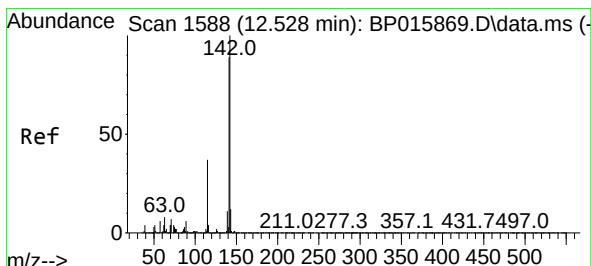
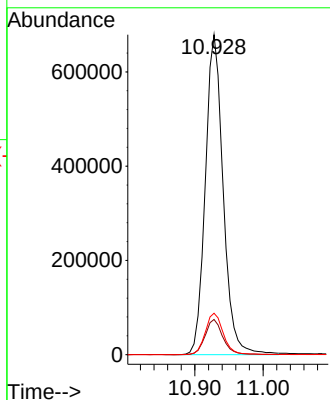
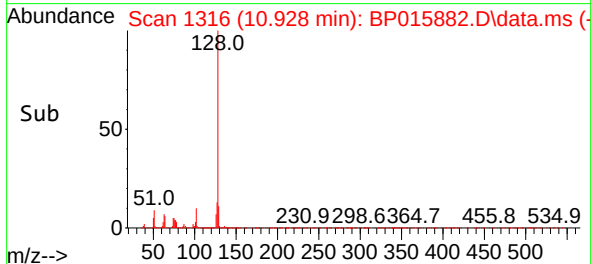
Instrument :
BNA_P
ClientSampleId :
DCGB9



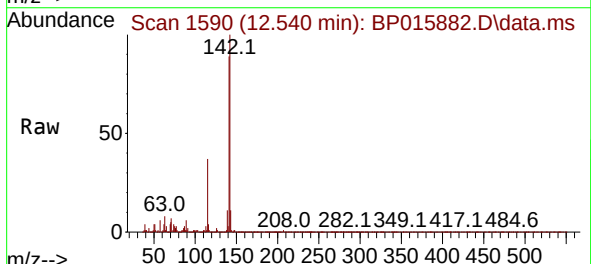
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Ion Ratio Lower Upper
128 100
129 11.0 8.6 12.8
127 13.0 10.3 15.5

Manual Integrations
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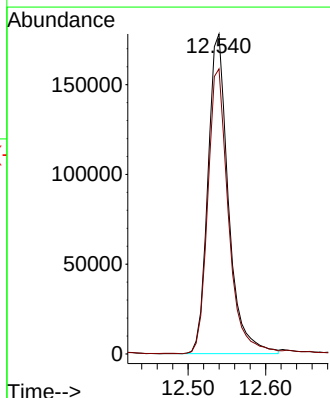
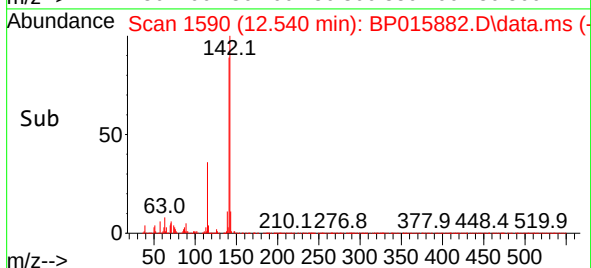
Reviewed By :Yogesh Patel 07/02/2023
Supervised By :Sohil Jodhani 07/02/2023

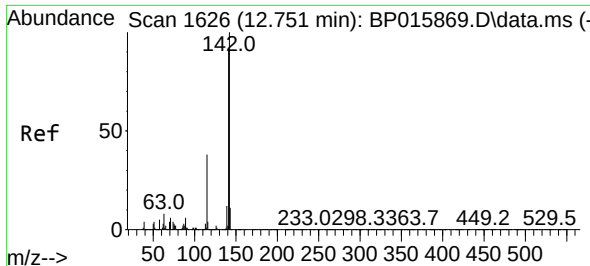


#36
2-Methylnaphthalene
Concen: 7.516 ng/ul
RT: 12.540 min Scan# 1590
Delta R.T. -0.006 min
Lab File: BP015882.D
Acq: 01 Jul 2023 13:09



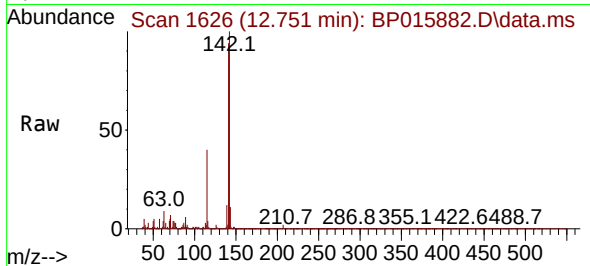
Tgt Ion:142 Resp: 327693
Ion Ratio Lower Upper
142 100
141 89.1 73.2 109.8





#37
1-Methylnaphthalene
Concen: 4.173 ng/ul
RT: 12.751 min Scan# 10
Delta R.T. -0.012 min
Lab File: BP015882.D
Acq: 01 Jul 2023 13:09

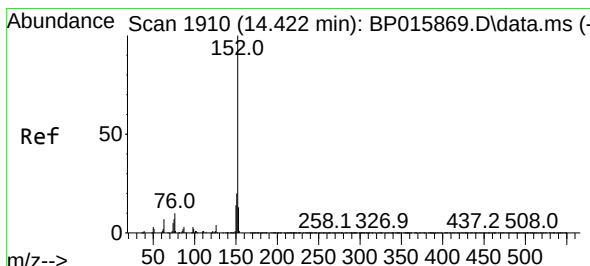
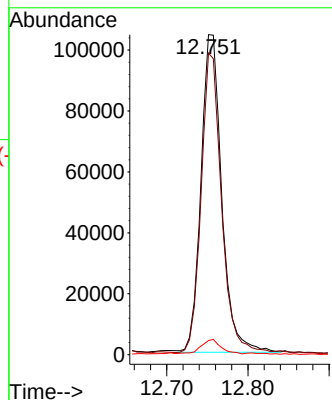
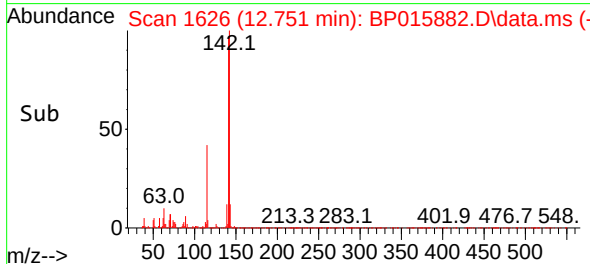
Instrument :
BNA_P
ClientSampleId :
DCGB9



Tgt Ion:142 Resp: 185574
Ion Ratio Lower Upper
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141 94.3 73.1 109.7
116 4.4 4.0 6.0

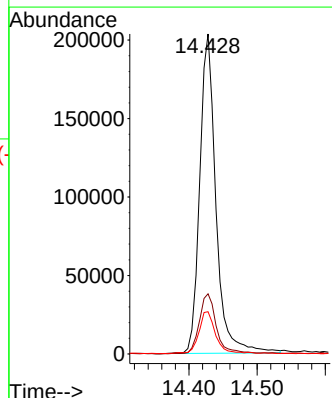
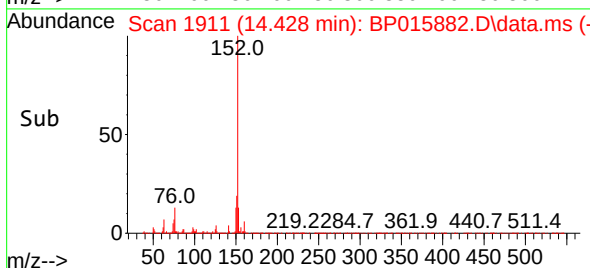
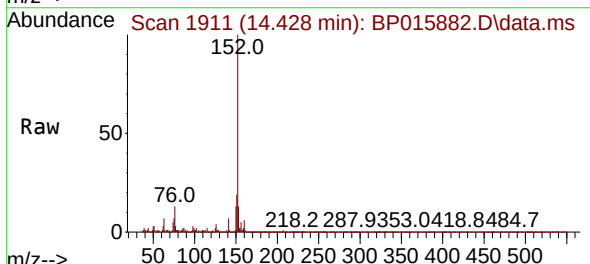
Manual Integrations
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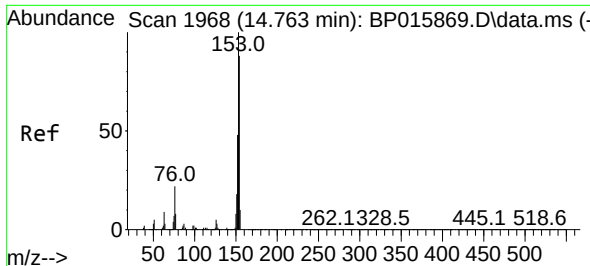
Reviewed By :Yogesh Patel 07/02/2023
Supervised By :Sohil Jodhani 07/02/2023



#50
Acenaphthylene
Concen: 5.236 ng/ul
RT: 14.428 min Scan# 1911
Delta R.T. -0.012 min
Lab File: BP015882.D
Acq: 01 Jul 2023 13:09

Tgt Ion:152 Resp: 336424
Ion Ratio Lower Upper
152 100
151 18.8 16.2 24.2
153 13.2 10.5 15.7





#52
Acenaphthene
Concen: 18.696 ng/ul
RT: 14.763 min Scan# 1968
Delta R.T. -0.012 min
Lab File: BP015882.D
Acq: 01 Jul 2023 13:09

Instrument :

BNA_P

ClientSampleId :

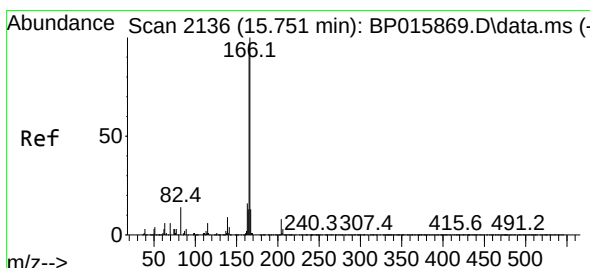
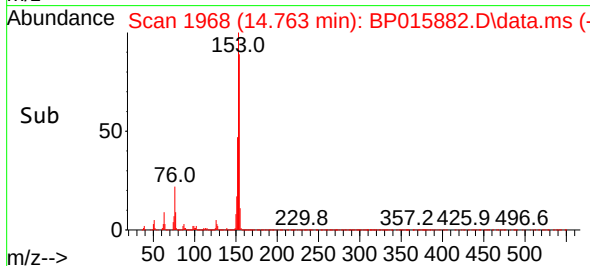
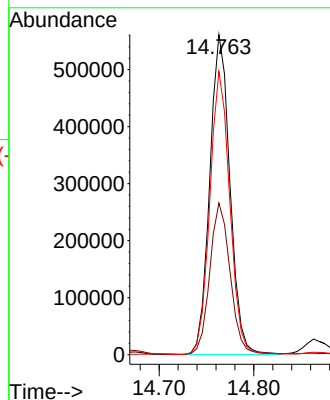
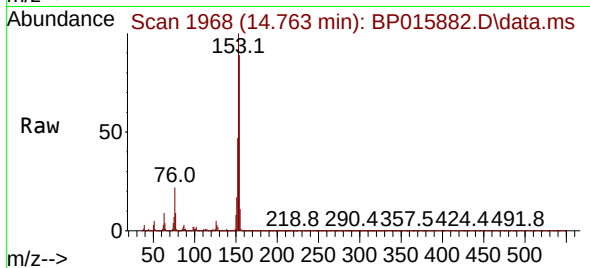
DCGB9

Tgt Ion:153 Resp: 832952
Ion Ratio Lower Upper
153 100
152 47.4 39.4 59.2
154 88.6 71.4 107.2

Manual Integrations

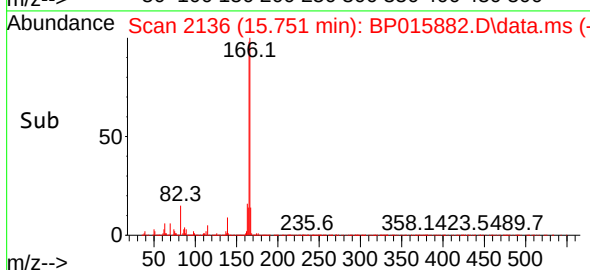
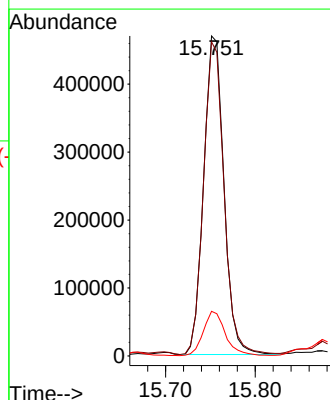
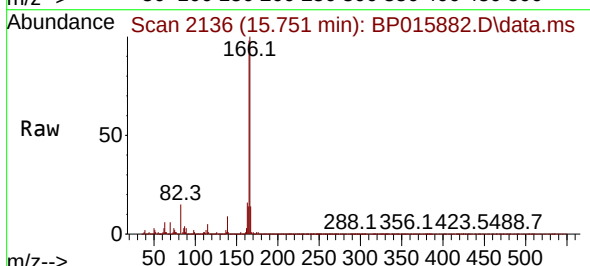
APPROVED

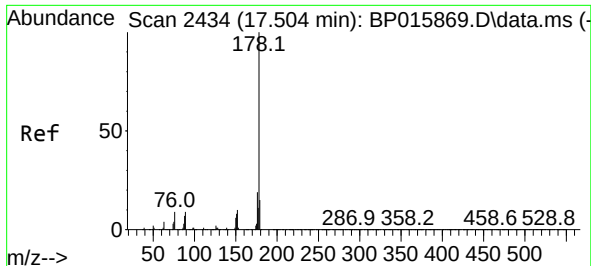
Reviewed By :Yogesh Patel 07/02/2023
Supervised By :Sohil Jodhani 07/02/2023



#61
Fluorene
Concen: 14.680 ng/ul
RT: 15.751 min Scan# 2136
Delta R.T. -0.012 min
Lab File: BP015882.D
Acq: 01 Jul 2023 13:09

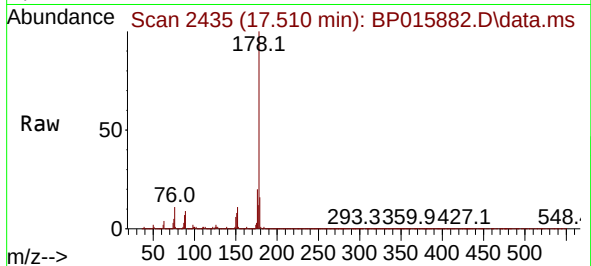
Tgt Ion:166 Resp: 736425
Ion Ratio Lower Upper
166 100
165 98.2 78.7 118.1
167 13.9 10.5 15.7





#72
Phenanthrene
Concen: 125.709 ng/ul
RT: 17.510 min Scan# 2434
Delta R.T. -0.006 min
Lab File: BP015882.D
Acq: 01 Jul 2023 13:09

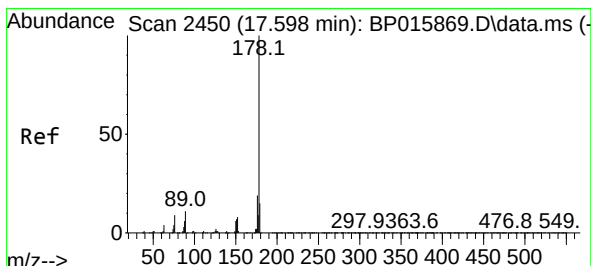
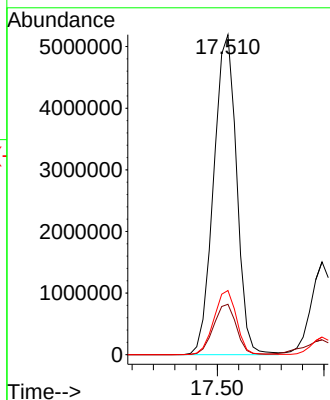
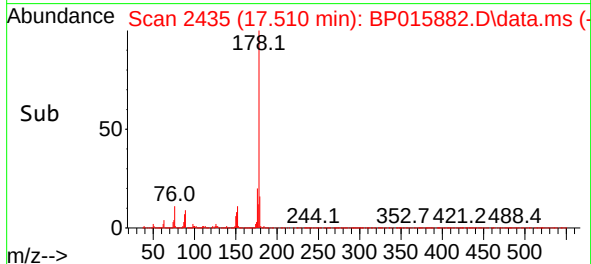
Instrument :
BNA_P
ClientSampleId :
DCGB9



Tgt Ion:178 Resp: 7756724
Ion Ratio Lower Upper
178 100
179 15.8 12.4 18.6
176 20.1 15.6 23.4

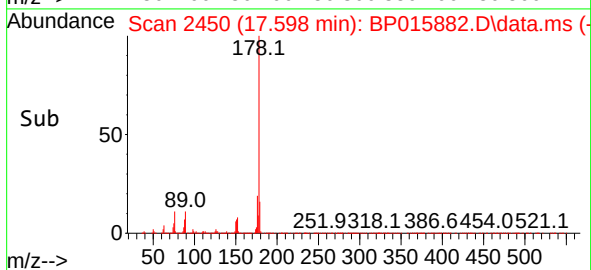
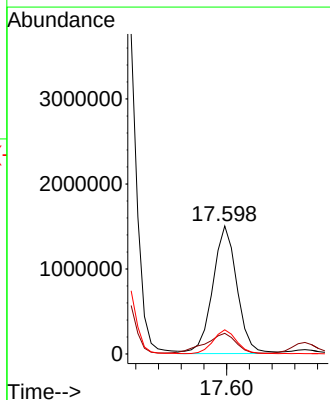
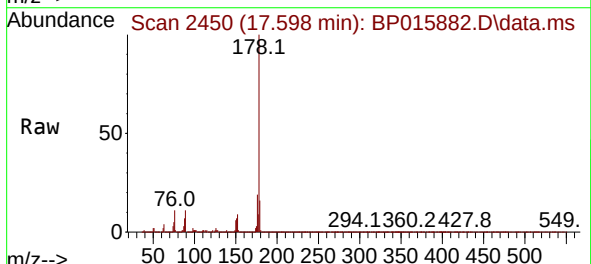
Manual Integrations
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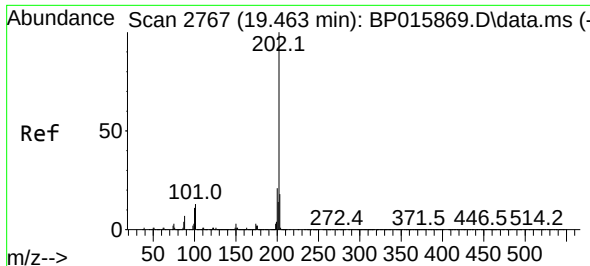
Reviewed By :Yogesh Patel 07/02/2023
Supervised By :Sohil Jodhani 07/02/2023



#74
Anthracene
Concen: 36.069 ng/ul
RT: 17.598 min Scan# 2450
Delta R.T. -0.012 min
Lab File: BP015882.D
Acq: 01 Jul 2023 13:09

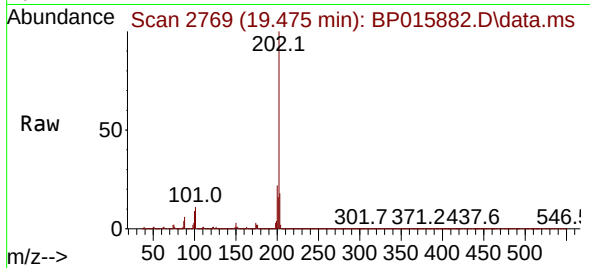
Tgt Ion:178 Resp: 2236361
Ion Ratio Lower Upper
178 100
179 16.1 12.1 18.1
176 18.9 14.6 22.0





#80
Fluoranthene
Concen: 192.380 ng/ul
RT: 19.475 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP015882.D
Acq: 01 Jul 2023 13:09

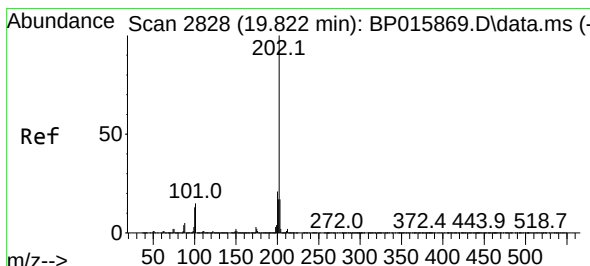
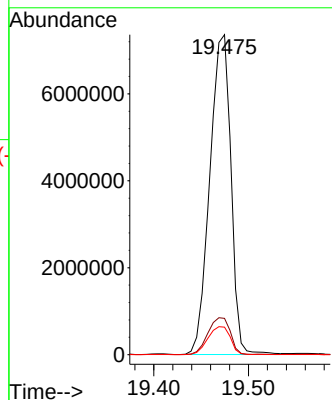
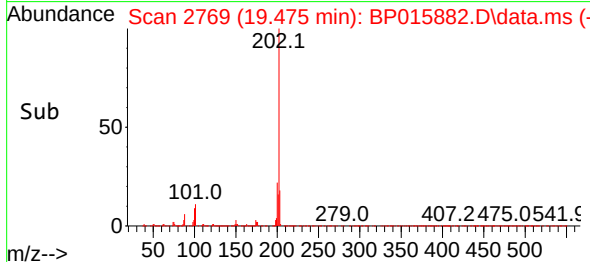
Instrument :
BNA_P
ClientSampleId :
DCGB9



Tgt Ion:202 Resp:1142052
Ion Ratio Lower Upper
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100 8.6 6.6 9.8

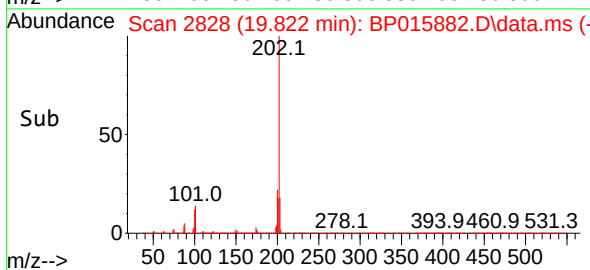
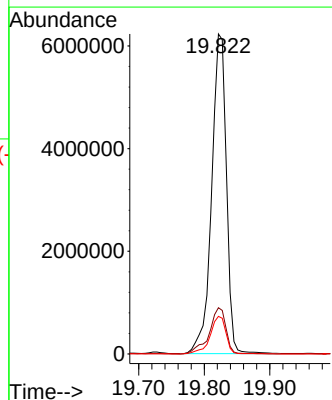
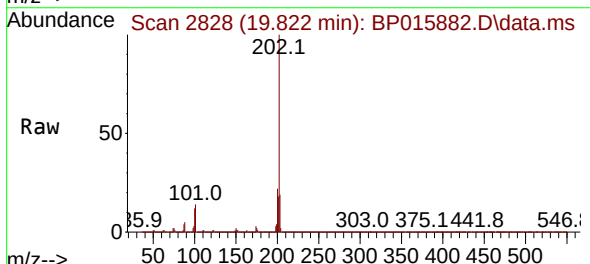
Manual Integrations
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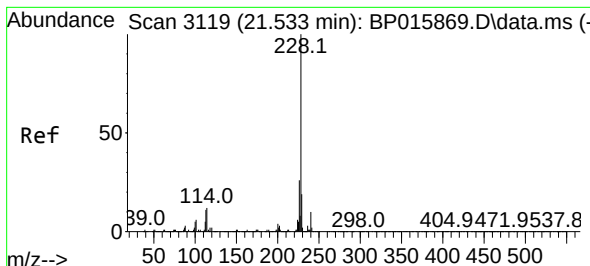
Reviewed By :Yogesh Patel 07/02/2023
Supervised By :Sohil Jodhani 07/02/2023



#82
Pyrene
Concen: 161.338 ng/ul
RT: 19.822 min Scan# 2828
Delta R.T. -0.012 min
Lab File: BP015882.D
Acq: 01 Jul 2023 13:09

Tgt Ion:202 Resp: 9769982
Ion Ratio Lower Upper
202 100
101 14.5 9.3 13.9#
100 11.7 7.6 11.4#





#85

Benzo(a)anthracene

Concen: 128.724 ng/ul

RT: 21.539 min Scan# 3119

Delta R.T. -0.006 min

Lab File: BP015882.D

Acq: 01 Jul 2023 13:09

Instrument :

BNA_P

ClientSampleId :

DCGB9

Tgt Ion:228 Resp: 662396

Ion Ratio Lower Upper

228 100

229 21.1 15.3 22.9

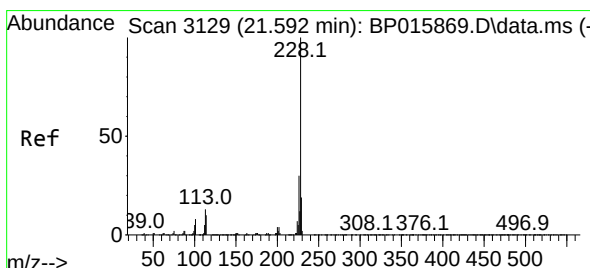
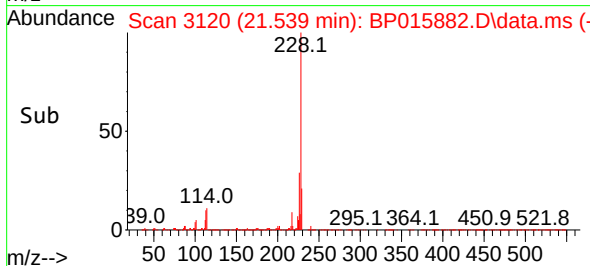
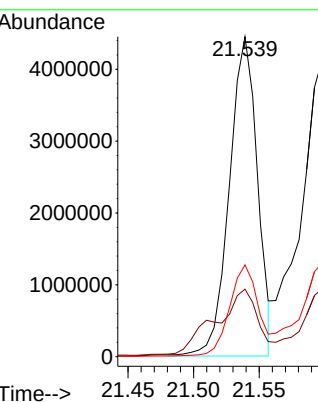
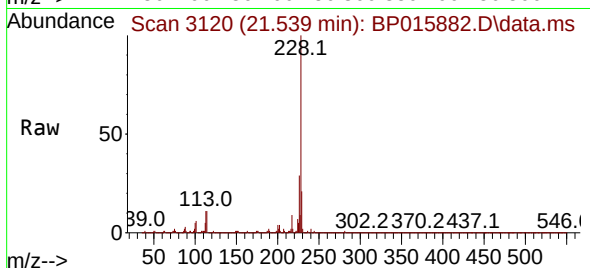
226 28.7 21.4 32.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/02/2023

Supervised By :Sohil Jodhani 07/02/2023



#87

Chrysene

Concen: 144.911 ng/ul

RT: 21.598 min Scan# 3130

Delta R.T. -0.006 min

Lab File: BP015882.D

Acq: 01 Jul 2023 13:09

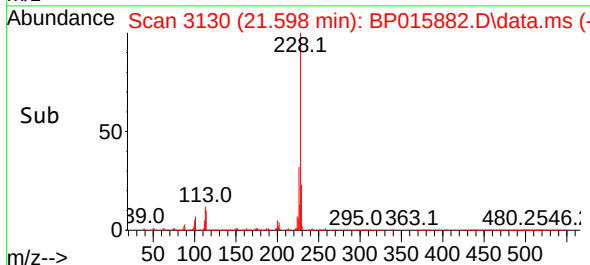
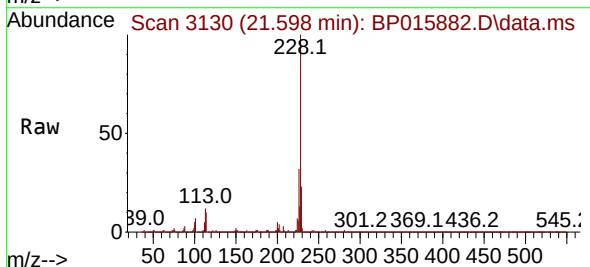
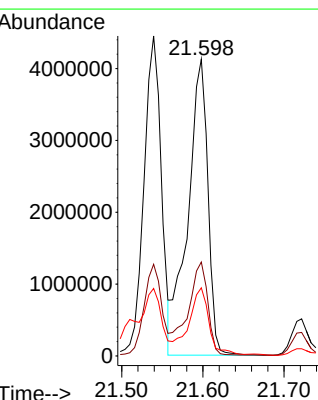
Tgt Ion:228 Resp: 7074833

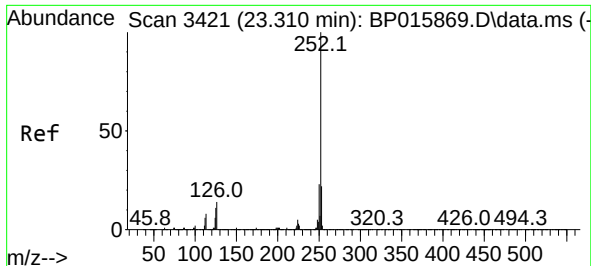
Ion Ratio Lower Upper

228 100

226 31.7 24.3 36.5

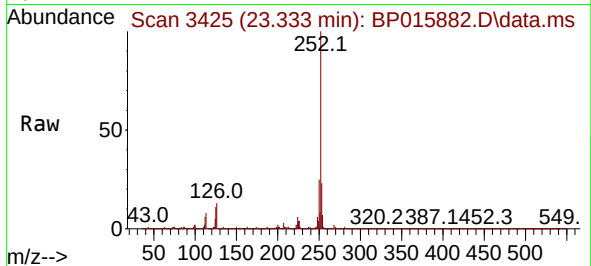
229 22.9 15.5 23.3





#90
Benzo(b)fluoranthene
Concen: 172.695 ng/ul
RT: 23.333 min Scan# 3425
Delta R.T. 0.006 min
Lab File: BP015882.D
Acq: 01 Jul 2023 13:09

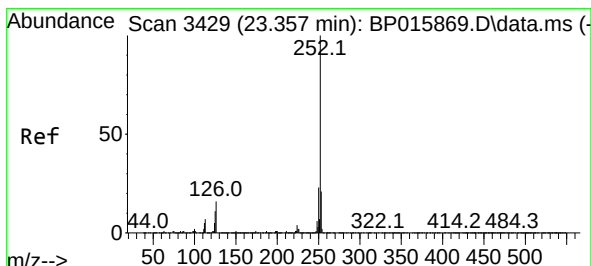
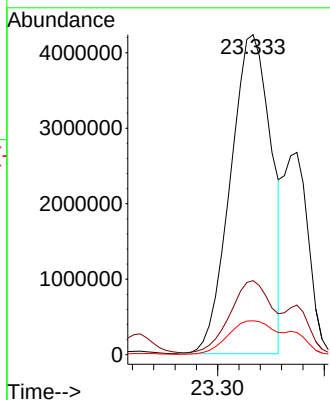
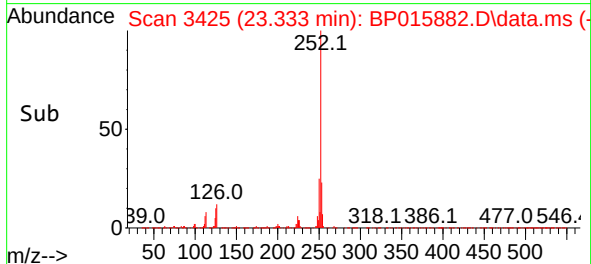
Instrument :
BNA_P
ClientSampleId :
DCGB9



Tgt Ion:252 Resp:11227934
Ion Ratio Lower Upper
252 100
253 23.1 17.3 25.9
125 10.6 7.5 11.3

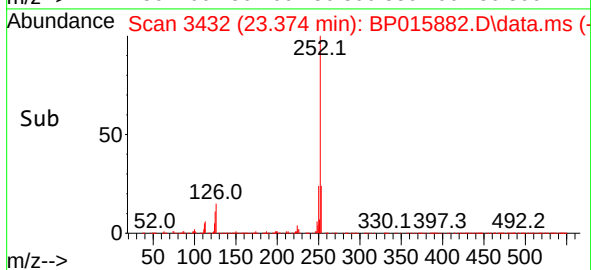
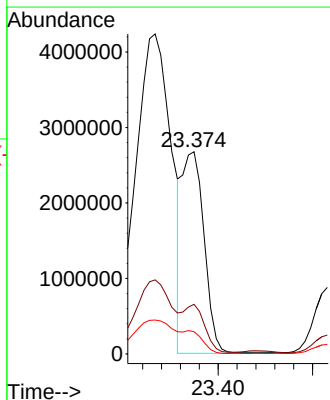
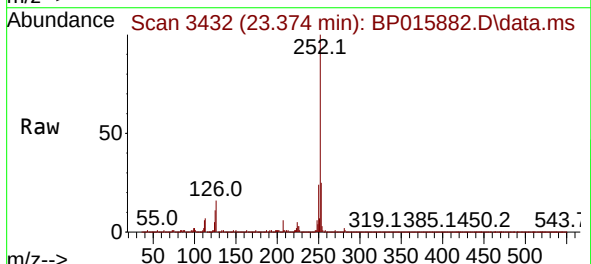
Manual Integrations
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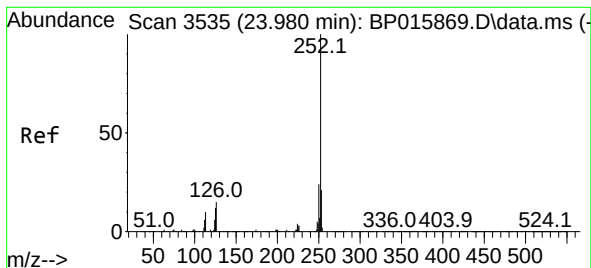
Reviewed By :Yogesh Patel 07/02/2023
Supervised By :Sohil Jodhani 07/02/2023



#91
Benzo(k)fluoranthene
Concen: 66.038 ng/ul m
RT: 23.374 min Scan# 3432
Delta R.T. -0.006 min
Lab File: BP015882.D
Acq: 01 Jul 2023 13:09

Tgt Ion:252 Resp: 4338078
Ion Ratio Lower Upper
252 100
253 24.5 17.0 25.4
125 11.0 7.3 10.9#





#93

Benzo(a)pyrene

Concen: 139.344 ng/ul

RT: 24.004 min Scan# 3535

Delta R.T. 0.000 min

Lab File: BP015882.D

Acq: 01 Jul 2023 13:09

Instrument :

BNA_P

ClientSampleId :

DCGB9

Tgt Ion:252 Resp: 7916150

Ion Ratio Lower Upper

252 100

253 23.5 17.7 26.5

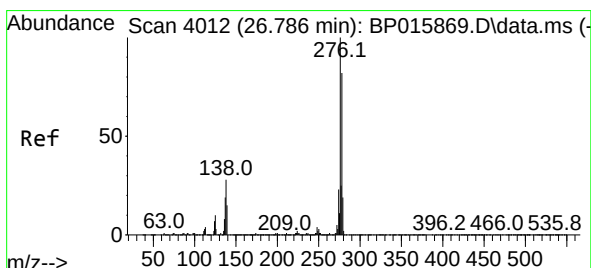
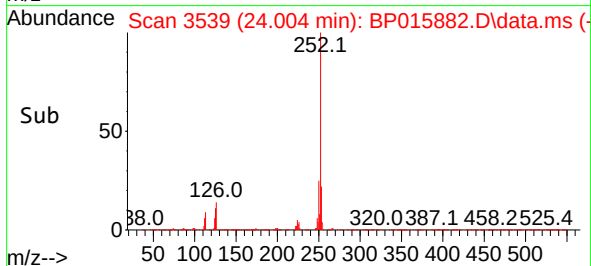
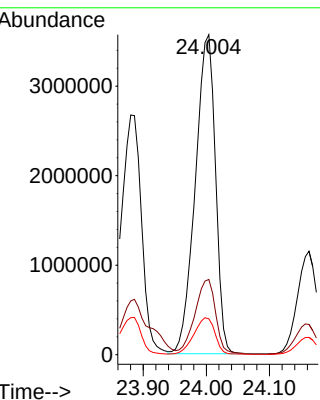
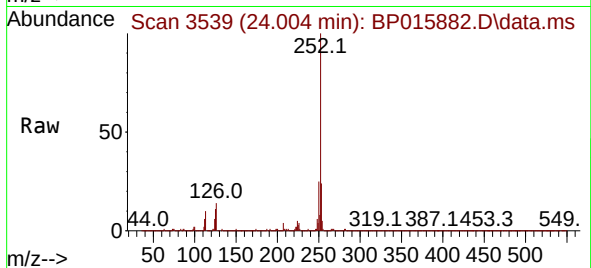
125 11.2 8.2 12.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/02/2023

Supervised By :Sohil Jodhani 07/02/2023



#94

Indeno(1,2,3-cd)pyrene

Concen: 88.147 ng/ul

RT: 26.827 min Scan# 4019

Delta R.T. 0.012 min

Lab File: BP015882.D

Acq: 01 Jul 2023 13:09

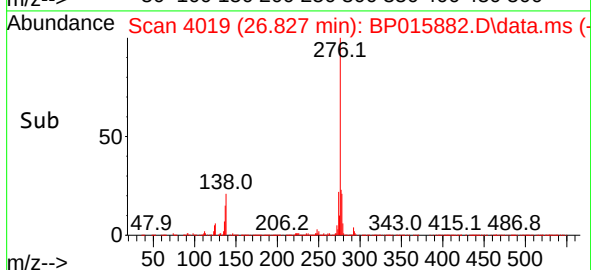
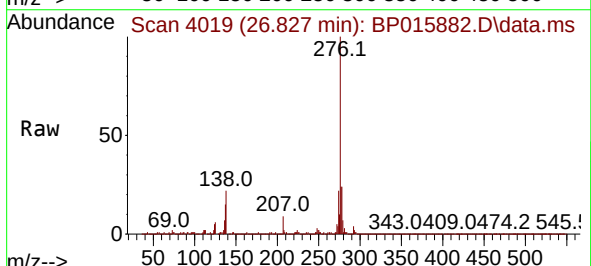
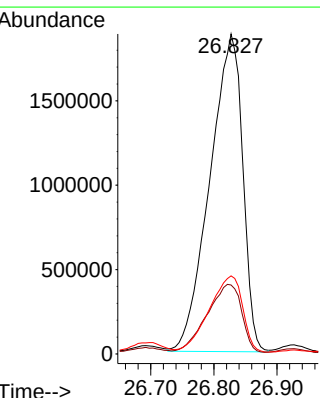
Tgt Ion:276 Resp: 6798037

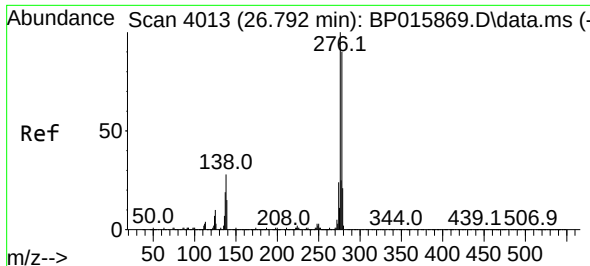
Ion Ratio Lower Upper

276 100

138 21.6 15.7 23.5

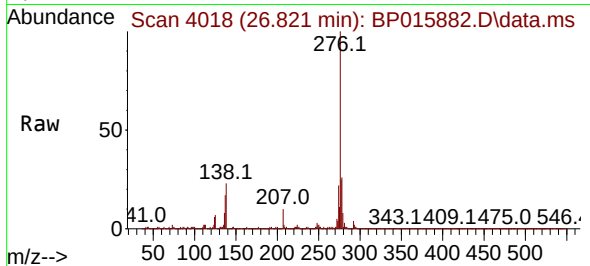
277 24.4 19.6 29.4





#95
Dibenzo(a,h)anthracene
Concen: 30.680 ng/ul
RT: 26.821 min Scan# 4013
Delta R.T. -0.006 min
Lab File: BP015882.D
Acq: 01 Jul 2023 13:09

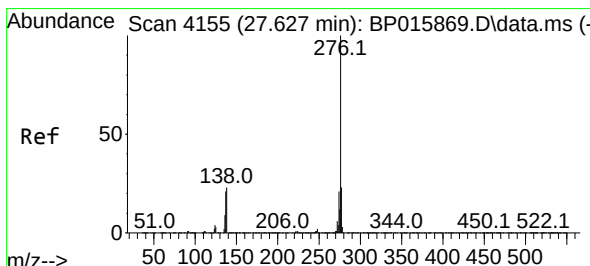
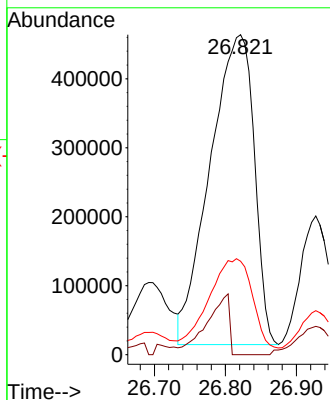
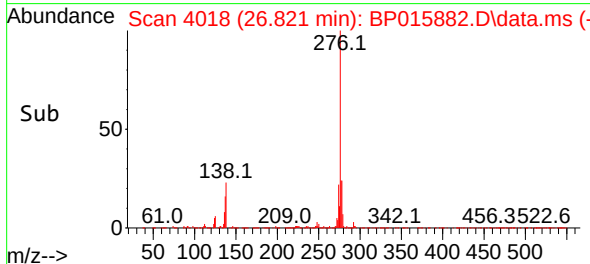
Instrument :
BNA_P
Client Sample Id :
DCGB9



Tgt Ion: 278 Resp: 1943450
Ion Ratio Lower Upper
278 100
139 0.0 10.5 15.7
279 29.2 18.4 27.6

Manual Integrations
APPROVED

Reviewed By : Yogesh Patel 07/02/2023
Supervised By : Sohil Jodhani 07/02/2023



#96
Benzo(g,h,i)perylene
Concen: 94.477 ng/ul
RT: 27.668 min Scan# 4162
Delta R.T. 0.012 min
Lab File: BP015882.D
Acq: 01 Jul 2023 13:09

Tgt Ion: 276 Resp: 5994179
Ion Ratio Lower Upper
276 100
138 22.8 15.1 22.7
277 24.8 18.8 28.2

