

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101424\
 Data File : BP022353.D
 Acq On : 14 Oct 2024 13:13
 Operator : RC/JU
 Sample : P4264-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DCYN6

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/15/2024
 Supervised By :mohammad ahmed 10/22/2024

Quant Time: Oct 14 13:50:15 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP100724.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Oct 14 11:01:55 2024
 Response via : Initial Calibration

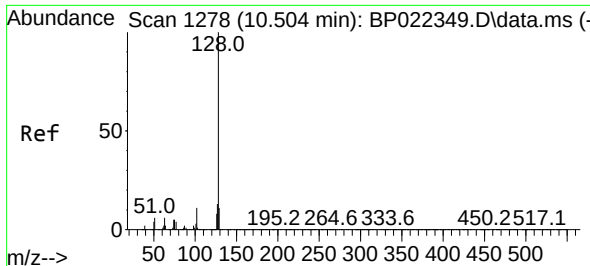
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.699	152	142650	20.000	ng/u1	0.00
20) Naphthalene-d8	10.481	136	432552m	20.000	ng/u1	0.03
38) Acenaphthene-d10	14.328	164	443649	20.000	ng/u1	0.02
64) Phenanthrene-d10	17.151	188	900448	20.000	ng/u1	0.04
79) Chrysene-d12	21.580	240	993855	20.000	ng/u1	0.03
88) Perylene-d12	24.868	264	1238795	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.222	96	4287	1.168	ng/uL	0.00
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	6.893	99	109888	9.151	ng/u1	0.01
9) Bis-(2-Chloroethyl)eth...	7.040	67	66905	9.480	ng/u1	0.00
11) 2-Chlorophenol-d4	7.246	132	83063	9.749	ng/u1	0.00
15) 4-Methylphenol-d8	8.404	113	91992	9.600	ng/u1	0.00
21) Nitrobenzene-d5	8.846	128	47247	14.206	ng/u1	0.01
24) 2-Nitrophenol-d4	9.557	143	51989	13.502	ng/u1	0.01
28) 2,4-Dichlorophenol-d3	10.110	165	105018	12.832	ng/u1	0.03
31) 4-Chloroaniline-d4	10.610	131	91338	9.445	ng/u1	0.02
46) Dimethylphthalate-d6	13.722	166	339454	9.630	ng/u1	0.01
49) Acenaphthylene-d8	14.010	160	373761	9.983	ng/u1	0.01
54) 4-Nitrophenol-d4	14.557	143	42864	7.249	ng/u1	0.02
60) Fluorene-d10	15.339	176	320425	10.480	ng/u1	0.02
65) 4,6-Dinitro-2-methylph...	15.504	200	21100m	3.563	ng/u1	0.06
73) Anthracene-d10	17.263	188	456562	10.778	ng/u1	0.06
81) Pyrene-d10	19.621	212	552115	10.505	ng/u1	0.02
92) Benzo(a)pyrene-d12	24.645	264	524786	7.932	ng/u1	0.01
Target Compounds						
					Qvalue	
30) Naphthalene	10.534	128	37100582m	1610.340	ng/u1	
36) 2-Methylnaphthalene	12.157	142	14185786	838.814	ng/u1	97
37) 1-Methylnaphthalene	12.363	142	7222672	418.429	ng/u1	99
50) Acenaphthylene	14.039	152	528749	13.608	ng/u1#	84
52) Acenaphthene	14.404	153	11698911	425.791	ng/u1	98
61) Fluorene	15.410	166	13330290	396.401	ng/u1	98
71) Pentachlorophenol	16.792	266	486087	56.561	ng/u1	97
72) Phenanthrene	17.180	178	42572289m	883.703	ng/u1	
74) Anthracene	17.292	178	8165092	169.838	ng/u1	98
80) Fluoranthene	19.269	202	28820599m	477.001	ng/u1	
82) Pyrene	19.657	202	22251679m	343.609	ng/u1	
85) Benzo(a)anthracene	21.557	228	11451681	164.363	ng/u1	97
87) Chrysene	21.633	228	8586756	132.916	ng/u1	96
90) Benzo(b)fluoranthene	23.851	252	6459965	82.844	ng/u1	99
91) Benzo(k)fluoranthene	23.904	252	1970094	25.805	ng/u1	97
93) Benzo(a)pyrene	24.721	252	1965705	27.390	ng/u1	99
94) Indeno(1,2,3-cd)pyrene	28.639	276	984158m	10.276	ng/u1	
95) Dibenzo(a,h)anthracene	28.686	278	390664	5.037	ng/u1	98
96) Benzo(g,h,i)perylene	29.792	276	92238	1.238	ng/u1	96

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

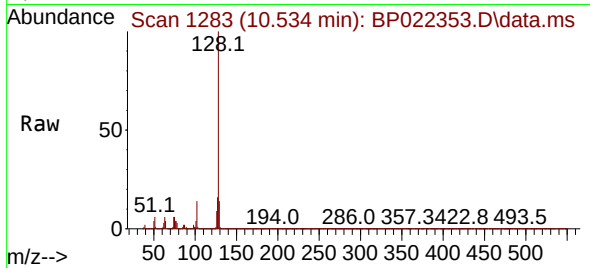
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/15/2024
Supervised By :mohammad ahmed 10/22/2024



#30
Naphthalene
Concen: 1610.340 ng/ul m
RT: 10.534 min Scan# 1283
Delta R.T. 0.029 min
Lab File: BP022353.D
Acq: 14 Oct 2024 13:13

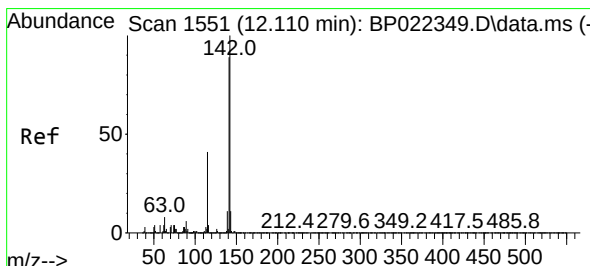
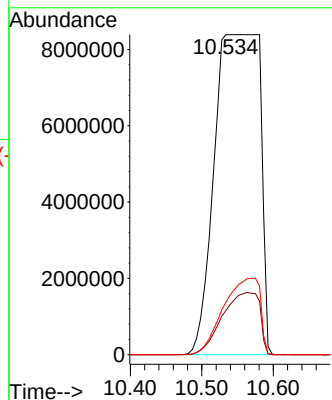
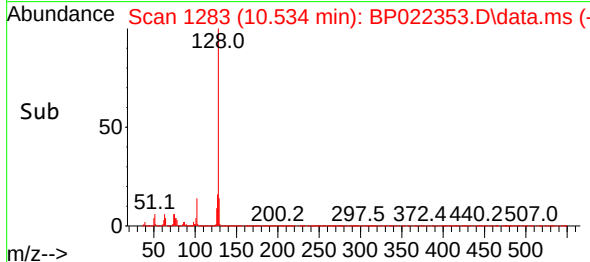
Instrument :
BNA_P
ClientSampleId :
DCYN6



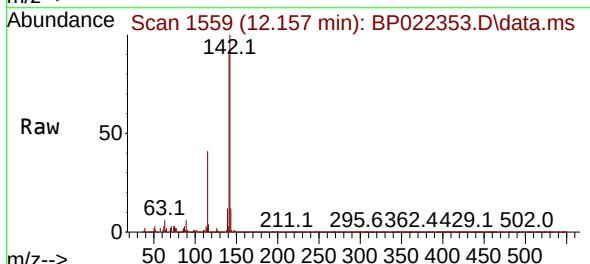
Tgt Ion:128 Resp:3710058
Ion Ratio Lower Upper
128 100
129 13.8 8.6 12.8
127 16.4 9.9 14.9

Manual Integrations
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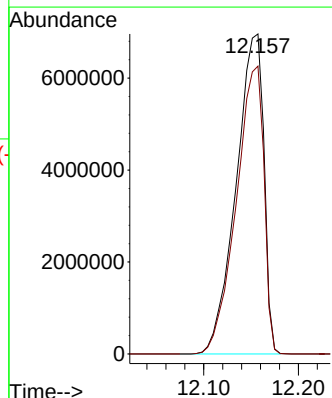
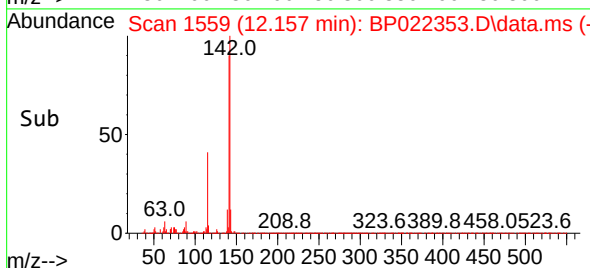
Reviewed By :Yogesh Patel 10/15/2024
Supervised By :mohammad ahmed 10/22/2024

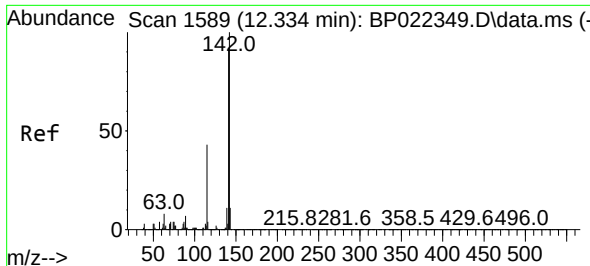


#36
2-Methylnaphthalene
Concen: 838.814 ng/ul
RT: 12.157 min Scan# 1559
Delta R.T. 0.047 min
Lab File: BP022353.D
Acq: 14 Oct 2024 13:13



Tgt Ion:142 Resp:14185786
Ion Ratio Lower Upper
142 100
141 89.9 69.8 104.6





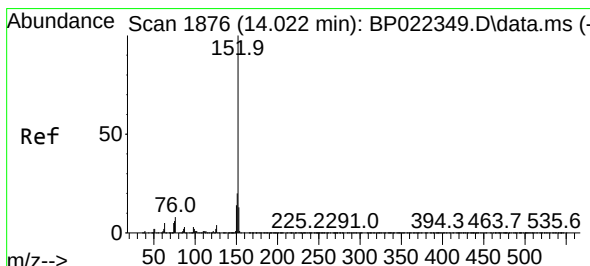
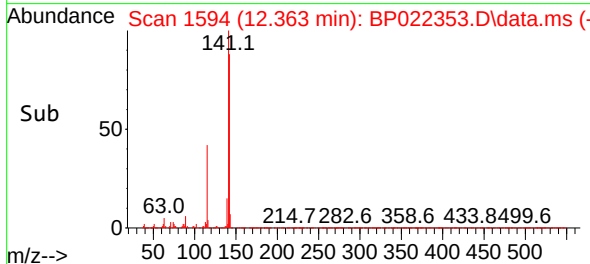
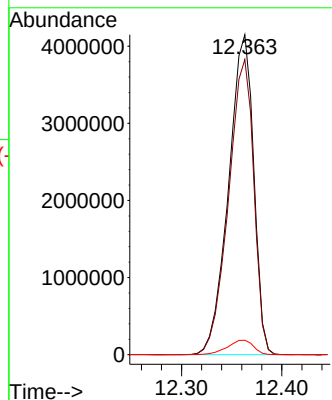
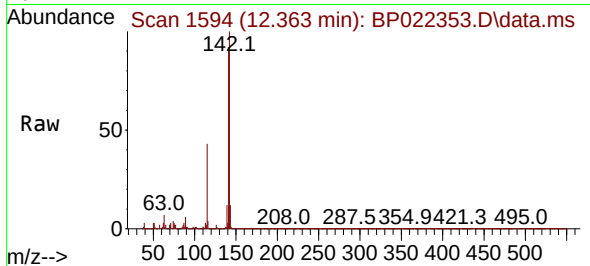
#37
1-Methylnaphthalene
Concen: 418.429 ng/ul
RT: 12.363 min Scan# 11
Delta R.T. 0.029 min
Lab File: BP022353.D
Acq: 14 Oct 2024 13:13

Instrument :
BNA_P
ClientSampleId :
DCYN6

Tgt Ion:142 Resp: 722267
Ion Ratio Lower Upper
142 100
141 92.2 74.8 112.2
116 4.5 4.1 6.1

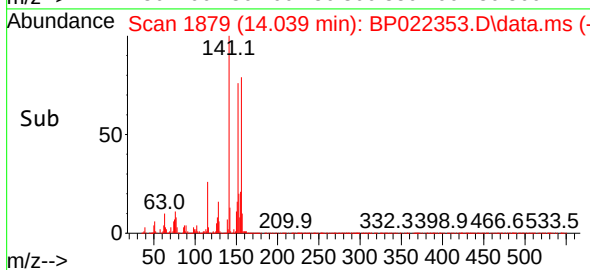
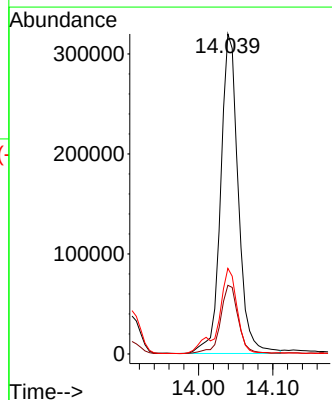
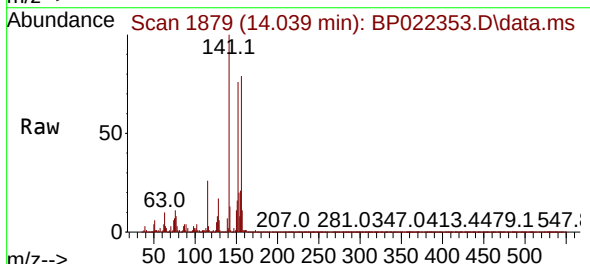
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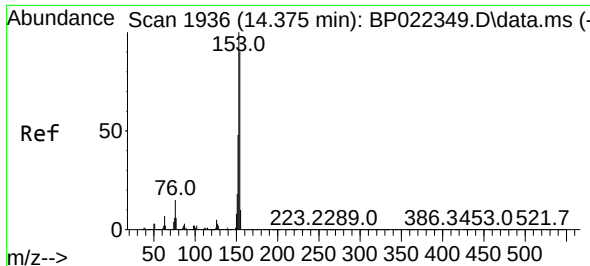
Reviewed By :Yogesh Patel 10/15/2024
Supervised By :mohammad ahmed 10/22/2024



#50
Acenaphthylene
Concen: 13.608 ng/ul
RT: 14.039 min Scan# 1879
Delta R.T. 0.018 min
Lab File: BP022353.D
Acq: 14 Oct 2024 13:13

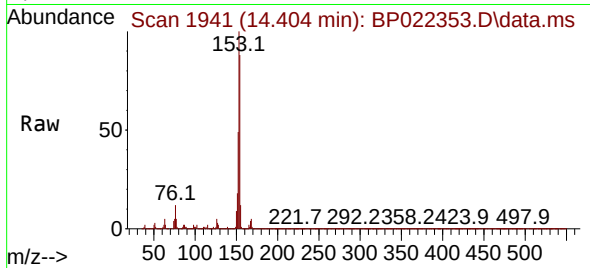
Tgt Ion:152 Resp: 528749
Ion Ratio Lower Upper
152 100
151 21.4 15.8 23.6
153 26.8 10.3 15.5#





#52
Acenaphthene
Concen: 425.791 ng/u1
RT: 14.404 min Scan# 1936
Delta R.T. 0.029 min
Lab File: BP022353.D
Acq: 14 Oct 2024 13:13

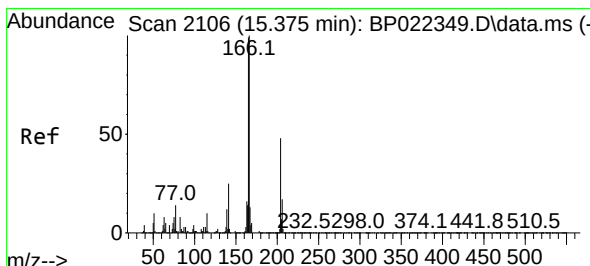
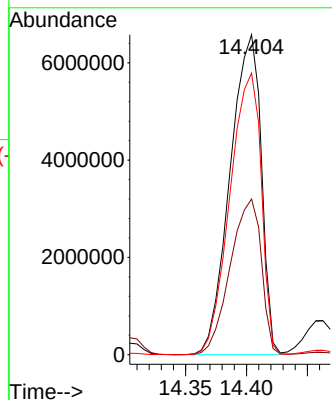
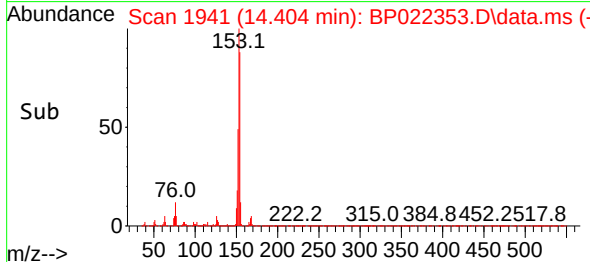
Instrument :
BNA_P
ClientSampleId :
DCYN6



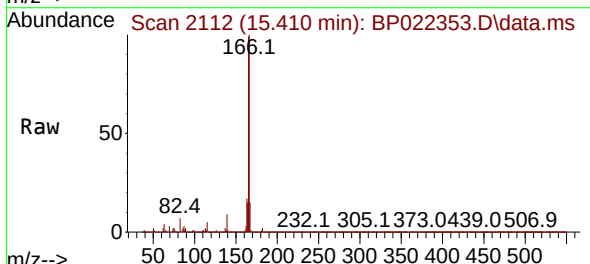
Tgt Ion:153 Resp:1169891
Ion Ratio Lower Upper
153 100
152 48.7 37.8 56.6
154 88.0 69.5 104.3

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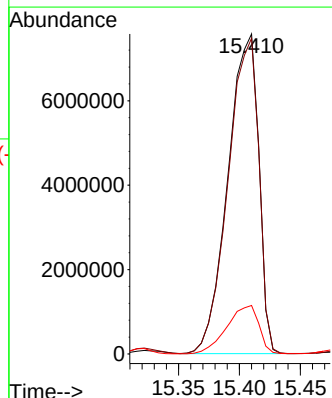
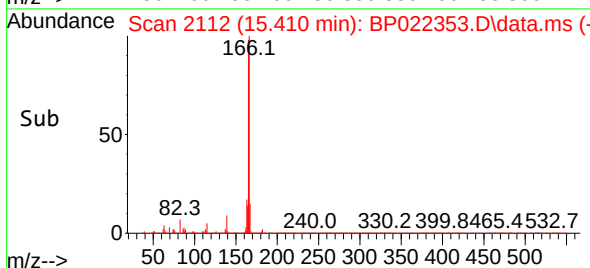
Reviewed By :Yogesh Patel 10/15/2024
Supervised By :mohammad ahmed 10/22/2024

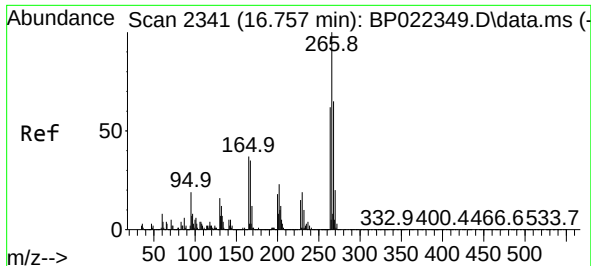


#61
Fluorene
Concen: 396.401 ng/u1
RT: 15.410 min Scan# 2112
Delta R.T. 0.035 min
Lab File: BP022353.D
Acq: 14 Oct 2024 13:13



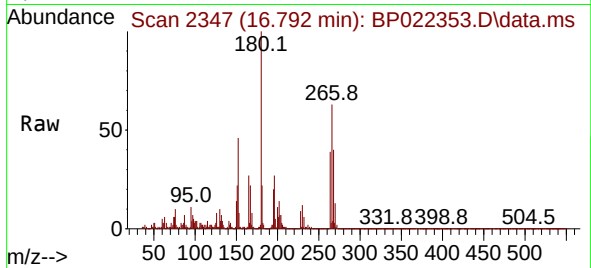
Tgt Ion:166 Resp:13330290
Ion Ratio Lower Upper
166 100
165 98.6 77.8 116.6
167 15.2 11.1 16.7





#71
Pentachlorophenol
Concen: 56.561 ng/ul
RT: 16.792 min Scan# 2413
Delta R.T. 0.035 min
Lab File: BP022353.D
Acq: 14 Oct 2024 13:13

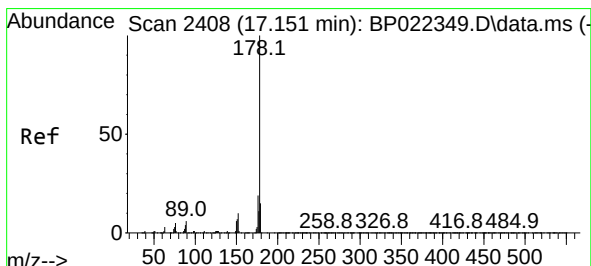
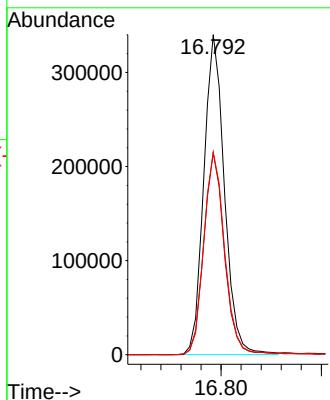
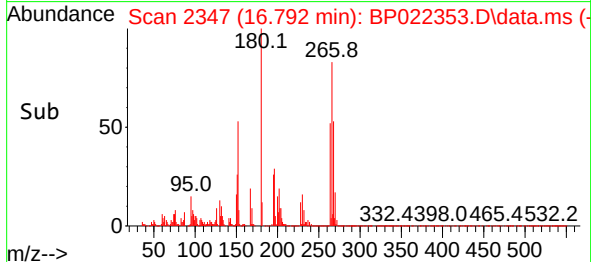
Instrument :
BNA_P
ClientSampleId :
DCYN6



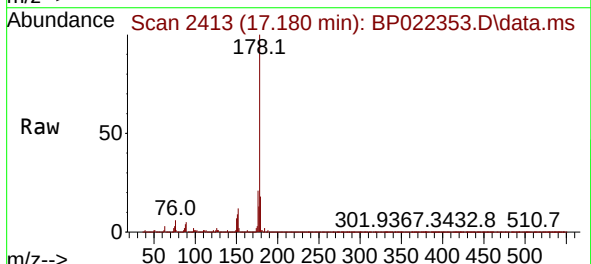
Tgt Ion:266 Resp: 48608
Ion Ratio Lower Upper
266 100
264 63.1 52.4 78.6
268 63.3 53.0 79.4

Manual Integrations
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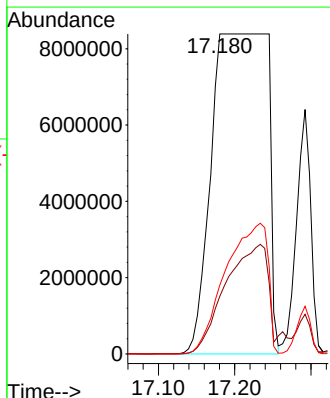
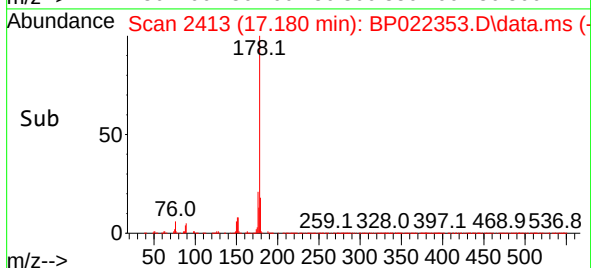
Reviewed By :Yogesh Patel 10/15/2024
Supervised By :mohammad ahmed 10/22/2024

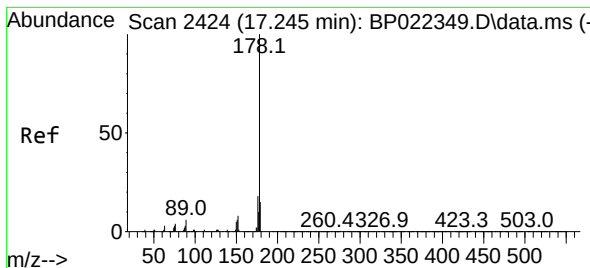


#72
Phenanthrene
Concen: 883.703 ng/ul m
RT: 17.180 min Scan# 2413
Delta R.T. 0.029 min
Lab File: BP022353.D
Acq: 14 Oct 2024 13:13



Tgt Ion:178 Resp:42572289
Ion Ratio Lower Upper
178 100
179 18.0 12.2 18.4
176 21.5 15.7 23.5





#74

Anthracene

Concen: 169.838 ng/ul

RT: 17.292 min Scan# 2424

Delta R.T. 0.047 min

Lab File: BP022353.D

Acq: 14 Oct 2024 13:13

Instrument :

BNA_P

ClientSampleId :

DCYN6

Tgt Ion:178 Resp: 8165092

Ion Ratio Lower Upper

178 100

179 16.3 12.0 18.0

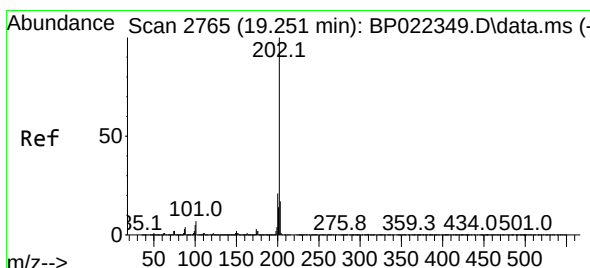
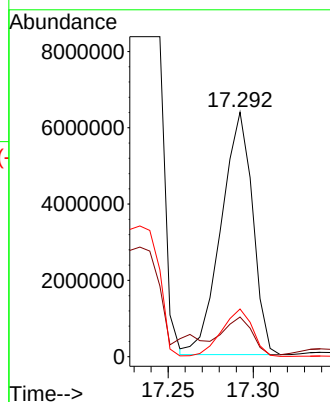
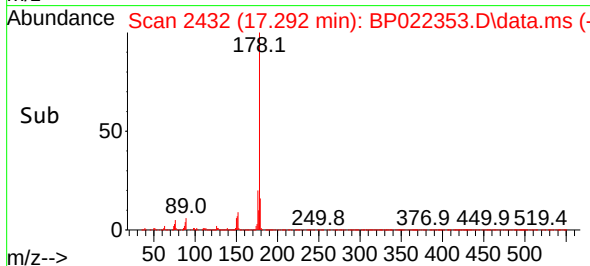
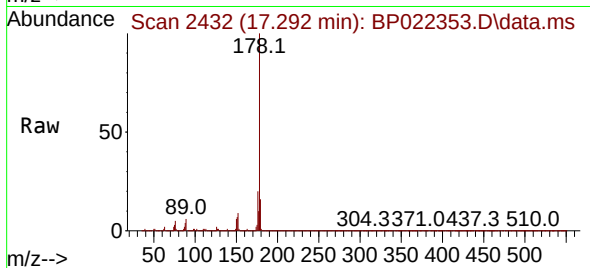
176 19.5 15.0 22.4

Manual Integrations

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Reviewed By :Yogesh Patel 10/15/2024

Supervised By :mohammad ahmed 10/22/2024



#80

Fluoranthene

Concen: 477.001 ng/ul m

RT: 19.269 min Scan# 2768

Delta R.T. 0.018 min

Lab File: BP022353.D

Acq: 14 Oct 2024 13:13

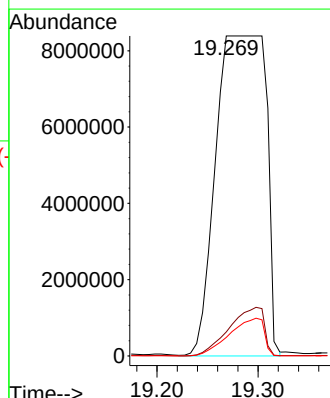
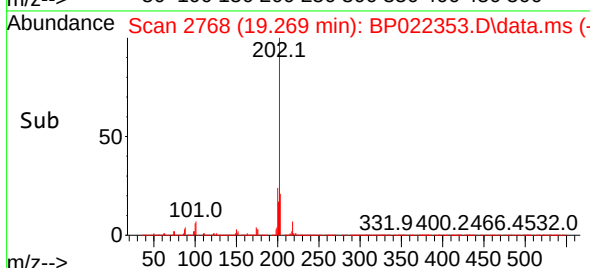
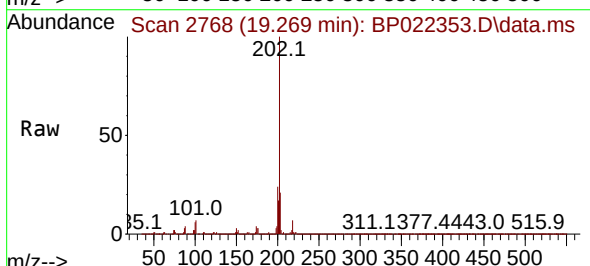
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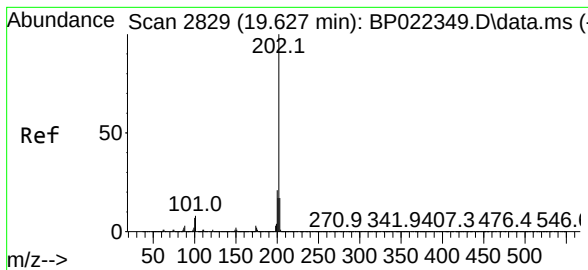
Ion Ratio Lower Upper

202 100

101 7.5 5.8 8.8

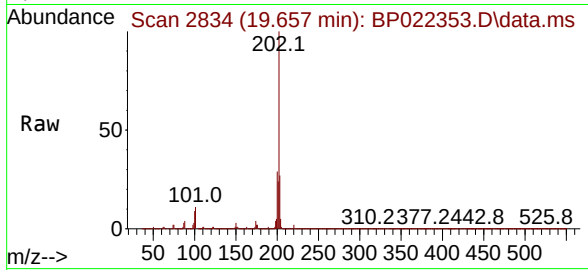
100 5.8 4.5 6.7





#82
 Pyrene
 Concen: 343.609 ng/ul m
 RT: 19.657 min Scan# 21
 Delta R.T. 0.029 min
 Lab File: BP022353.D
 Acq: 14 Oct 2024 13:13

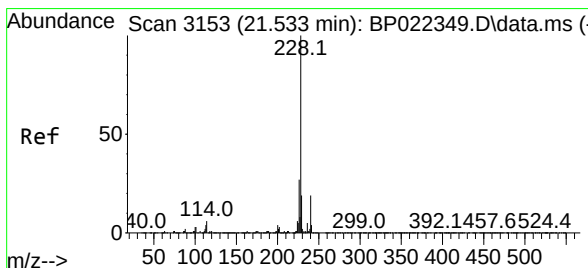
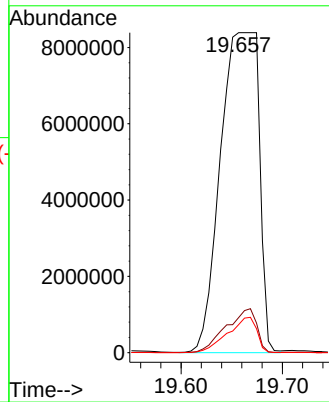
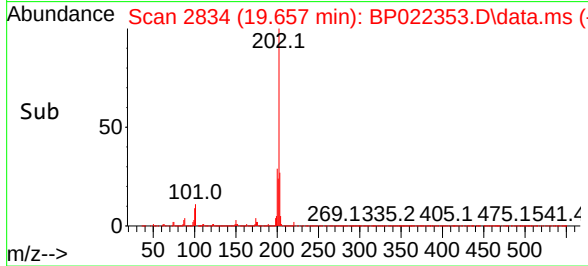
Instrument :
 BNA_P
 ClientSampleId :
 DCYN6



Tgt Ion:202 Resp:22251679
 Ion Ratio Lower Upper
 202 100
 101 11.0 6.7 10.1
 100 8.8 5.8 8.6

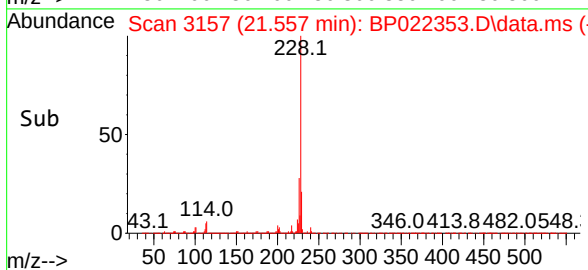
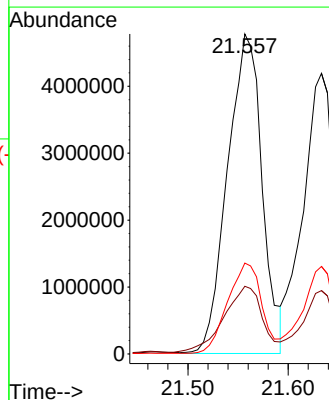
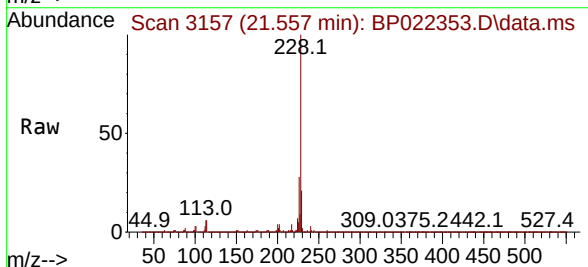
Manual Integrations
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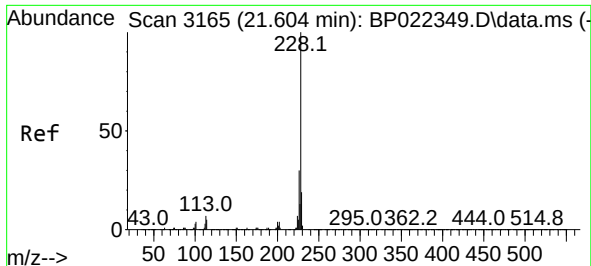
Reviewed By :Yogesh Patel 10/15/2024
 Supervised By :mohammad ahmed 10/22/2024



#85
 Benzo(a)anthracene
 Concen: 164.363 ng/ul
 RT: 21.557 min Scan# 3157
 Delta R.T. 0.023 min
 Lab File: BP022353.D
 Acq: 14 Oct 2024 13:13

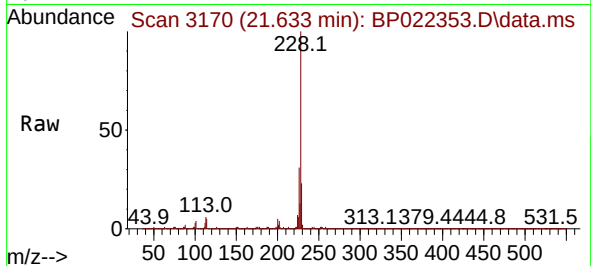
Tgt Ion:228 Resp:11451681
 Ion Ratio Lower Upper
 228 100
 229 21.1 15.4 23.0
 226 28.4 21.5 32.3





#87
Chrysene
Concen: 132.916 ng/u1
RT: 21.633 min Scan# 3165
Delta R.T. 0.029 min
Lab File: BP022353.D
Acq: 14 Oct 2024 13:13

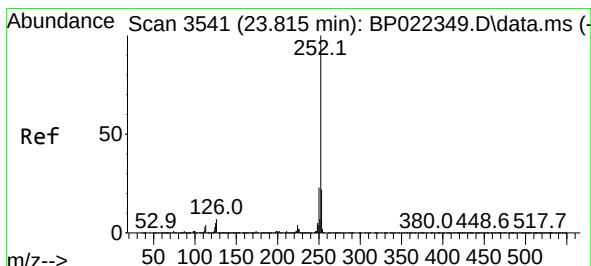
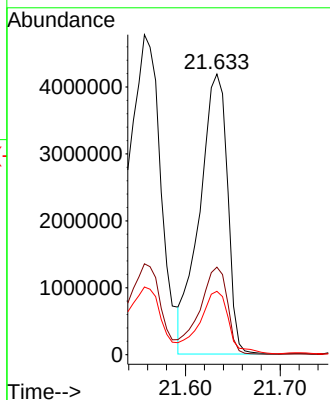
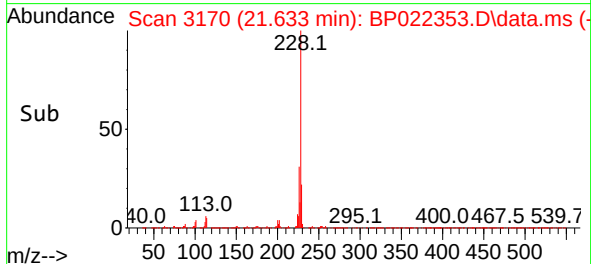
Instrument :
BNA_P
ClientSampleId :
DCYN6



Tgt Ion:228 Resp: 8586750
Ion Ratio Lower Upper
228 100
226 31.2 23.8 35.8
229 22.6 15.5 23.3

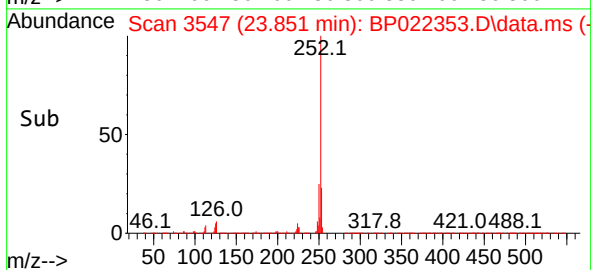
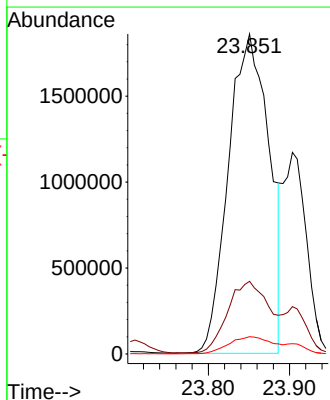
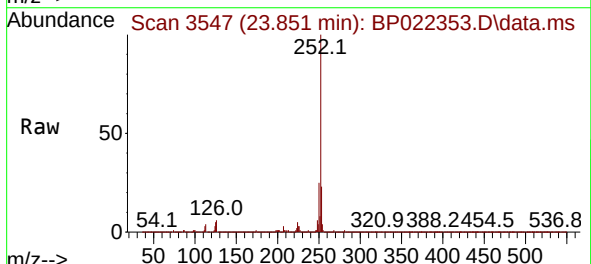
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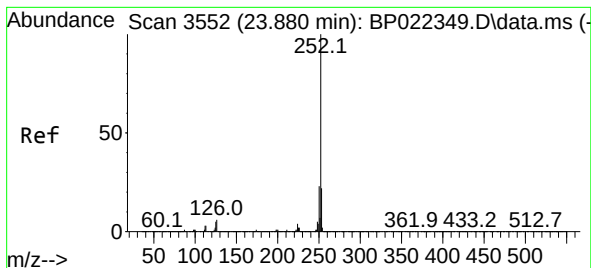
Reviewed By :Yogesh Patel 10/15/2024
Supervised By :mohammad ahmed 10/22/2024



#90
Benzo(b)fluoranthene
Concen: 82.844 ng/u1
RT: 23.851 min Scan# 3547
Delta R.T. 0.035 min
Lab File: BP022353.D
Acq: 14 Oct 2024 13:13

Tgt Ion:252 Resp: 6459965
Ion Ratio Lower Upper
252 100
253 22.7 17.8 26.8
125 5.4 5.0 7.4





#91

Benzo(k)fluoranthene

Concen: 25.805 ng/u1

RT: 23.904 min Scan# 31

Delta R.T. 0.023 min

Lab File: BP022353.D

Acq: 14 Oct 2024 13:13

Instrument :

BNP_P

ClientSampleId :

DCYN6

Tgt Ion:252 Resp: 1970094

Ion Ratio Lower Upper

252 100

253 23.5 17.4 26.0

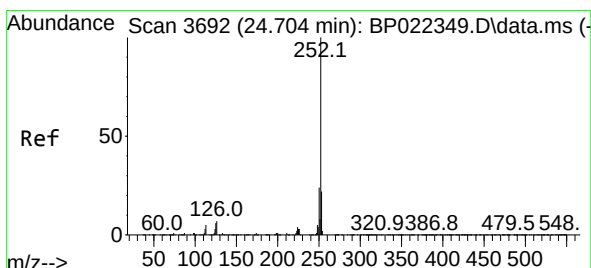
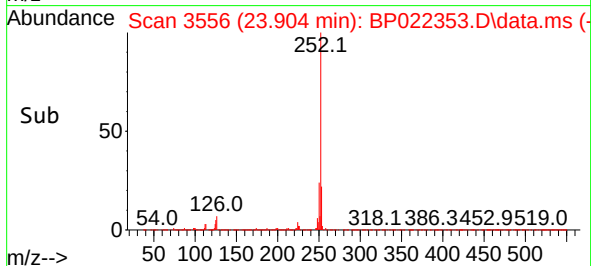
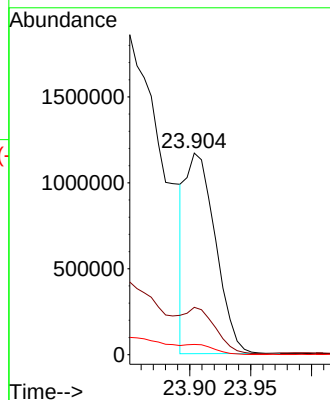
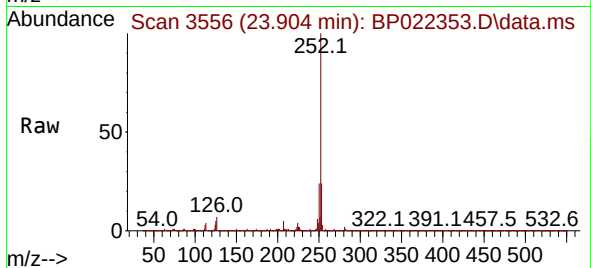
125 5.1 4.6 6.8

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Reviewed By :Yogesh Patel 10/15/2024

Supervised By :mohammad ahmed 10/22/2024



#93

Benzo(a)pyrene

Concen: 27.390 ng/u1

RT: 24.721 min Scan# 3695

Delta R.T. 0.018 min

Lab File: BP022353.D

Acq: 14 Oct 2024 13:13

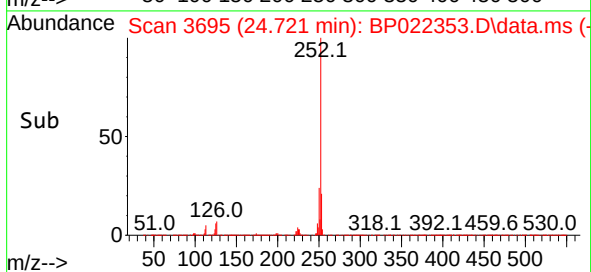
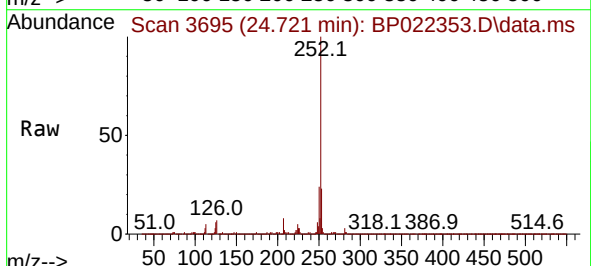
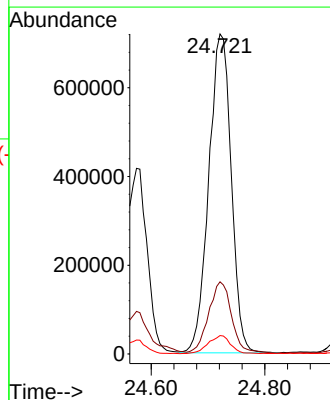
Tgt Ion:252 Resp: 1965705

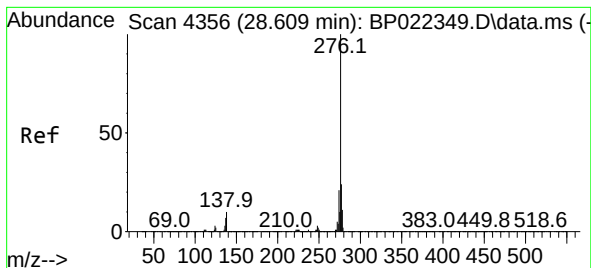
Ion Ratio Lower Upper

252 100

253 22.5 17.7 26.5

125 5.8 4.9 7.3





#94

Indeno(1,2,3-cd)pyrene

Concen: 10.276 ng/ul m

RT: 28.639 min Scan# 4361

Delta R.T. 0.029 min

Lab File: BP022353.D

Acq: 14 Oct 2024 13:13

Instrument :

BNA_P

ClientSampleId :

DCYN6

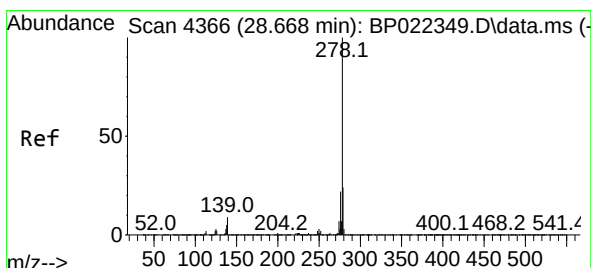
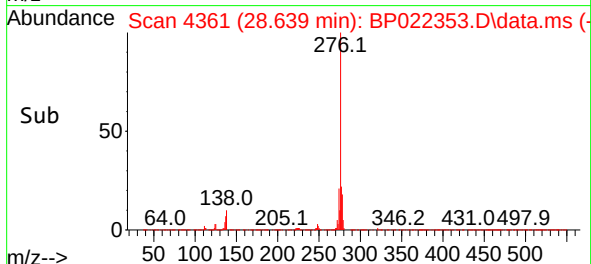
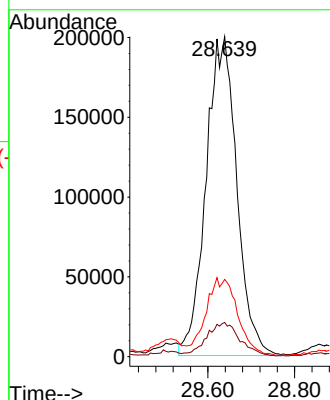
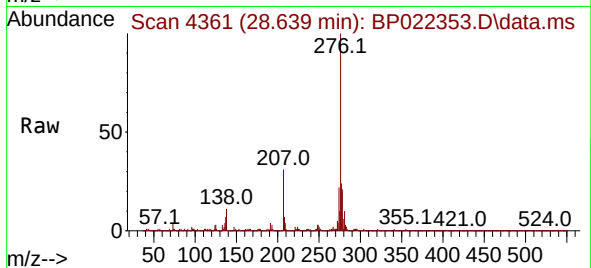
Tgt Ion:	276	Resp:	984158
Ion Ratio	Lower	Upper	
276	100		
138	10.7	9.1	13.7
277	24.2	18.6	27.8

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Reviewed By :Yogesh Patel 10/15/2024

Supervised By :mohammad ahmed 10/22/2024



#95

Dibenzo(a,h)anthracene

Concen: 5.037 ng/ul

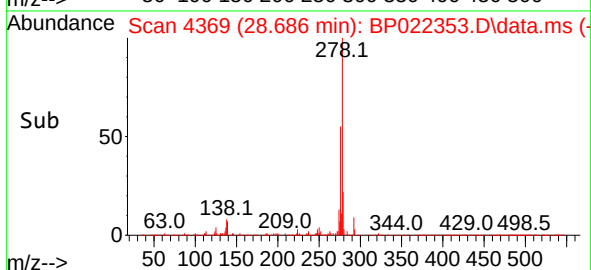
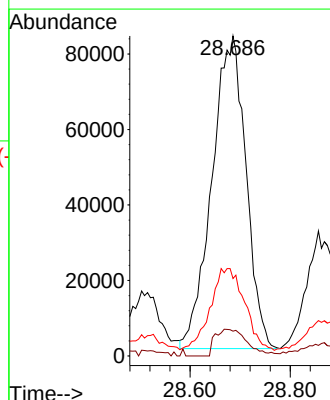
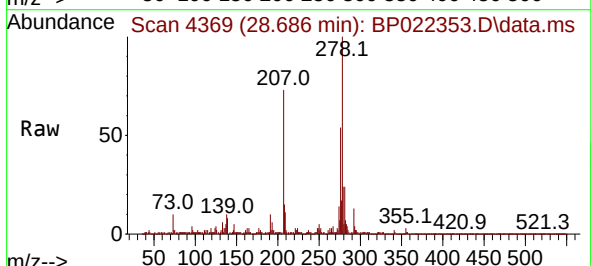
RT: 28.686 min Scan# 4369

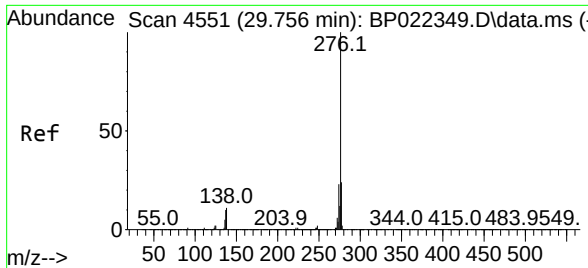
Delta R.T. 0.018 min

Lab File: BP022353.D

Acq: 14 Oct 2024 13:13

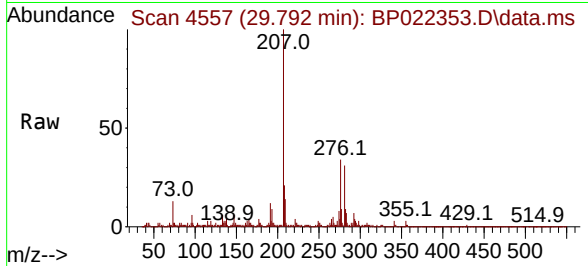
Tgt Ion:	278	Resp:	390664
Ion Ratio	Lower	Upper	
278	100		
139	7.8	7.3	10.9
279	24.2	19.0	28.4





#96
 Benzo(g,h,i)perylene
 Concen: 1.238 ng/ul
 RT: 29.792 min Scan# 4557
 Delta R.T. 0.035 min
 Lab File: BP022353.D
 Acq: 14 Oct 2024 13:13

Instrument :
 BNA_P
 ClientSampleId :
 DCYN6



Tgt Ion: 276 Resp: 92238
 Ion Ratio Lower Upper
 276 100
 138 12.5 8.5 12.7
 277 25.3 19.0 28.4

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/15/2024
 Supervised By :mohammad ahmed 10/22/2024

