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 Data File : BP015801.D
 Acq On : 29 Jun 2023 09:33
 Operator : MA/JU
 Sample : 03143-19
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DCFV6

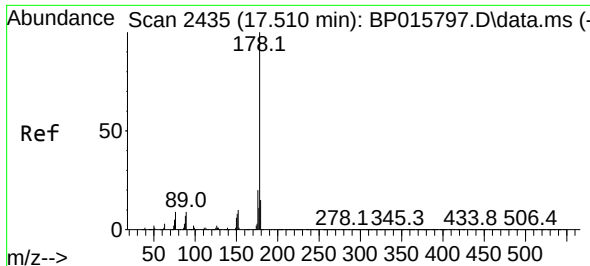
Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/30/2023
 Supervised By :mohammad ahmed 06/30/2023

Quant Time: Jun 29 22:32:05 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP062623.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jun 29 02:30:23 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.058	152	310097	20.000	ng/u1	0.00
20) Naphthalene-d8	10.887	136	1221664	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.710	164	621629	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.469	188	1067048	20.000	ng/u1	# 0.00
79) Chrysene-d12	21.557	240	940843	20.000	ng/u1	0.00
88) Perylene-d12	24.104	264	1163867	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.381	96	19942	2.314	ng/uL	0.00
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	7.246	99	299592	11.292	ng/u1	0.02
9) Bis-(2-Chloroethyl)eth...	7.381	67	227724	13.873	ng/u1	0.00
11) 2-Chlorophenol-d4	7.593	132	261948	13.079	ng/u1	0.00
15) 4-Methylphenol-d8	8.805	113	162296	7.743	ng/u1	0.02
21) Nitrobenzene-d5	9.252	128	119314	12.779	ng/u1	0.01
24) 2-Nitrophenol-d4	9.981	143	130326	11.960	ng/u1	0.01
28) 2,4-Dichlorophenol-d3	10.563	165	192816	9.930	ng/u1	0.05
31) 4-Chloroaniline-d4	11.099	131	71265m	2.857	ng/u1	0.06
46) Dimethylphthalate-d6	14.116	166	665565	13.852	ng/u1	0.00
49) Acenaphthylene-d8	14.404	160	739788	13.697	ng/u1	0.00
54) 4-Nitrophenol-d4	15.022	143	41258m	6.507	ng/u1	0.07
60) Fluorene-d10	15.710	176	515792	13.038	ng/u1	0.01
65) 4,6-Dinitro-2-methylph...	15.875	200	44866	6.837	ng/u1	0.02
73) Anthracene-d10	17.569	188	657282	13.485	ng/u1	0.00
81) Pyrene-d10	19.792	212	767077	12.486	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.933	264	823499	14.026	ng/u1	0.00
Target Compounds						
					Qvalue	
72) Phenanthrene	17.510	178	435162	7.507	ng/u1	99
74) Anthracene	17.610	178	83800	1.439	ng/u1	96
80) Fluoranthene	19.469	202	1208607	15.829	ng/u1#	93
82) Pyrene	19.822	202	955455	12.268	ng/u1#	88
85) Benzo(a)anthracene	21.539	228	538934	8.143	ng/u1	97
87) Chrysene	21.592	228	625918	9.968	ng/u1	97
90) Benzo(b)fluoranthene	23.322	252	1014642	13.568	ng/u1#	95
91) Benzo(k)fluoranthene	23.363	252	345791m	4.576	ng/u1	
93) Benzo(a)pyrene	23.986	252	617206	9.445	ng/u1#	95
94) Indeno(1,2,3-cd)pyrene	26.798	276	517883	5.838	ng/u1	97
95) Dibenzo(a,h)anthracene	26.804	278	136791	1.877	ng/u1#	75
96) Benzo(g,h,i)perylene	27.639	276	449951	6.166	ng/u1#	93

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



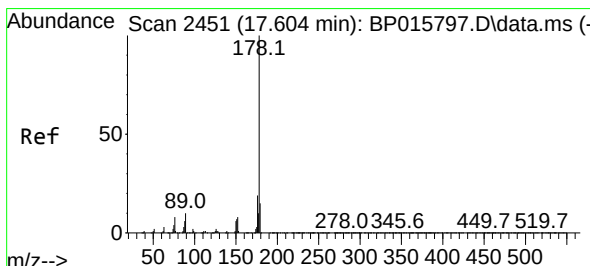
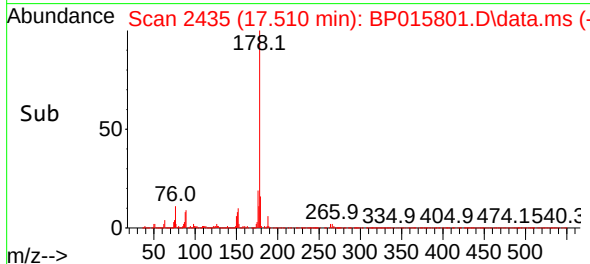
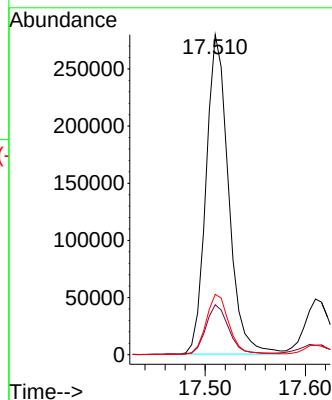
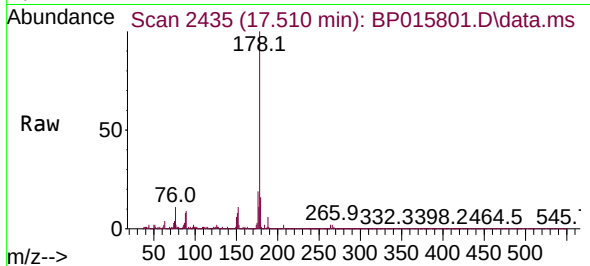
#72
Phenanthrene
Concen: 7.507 ng/ul
RT: 17.510 min Scan# 2435
Delta R.T. 0.000 min
Lab File: BP015801.D
Acq: 29 Jun 2023 09:33

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ClientSampleId :
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Tgt Ion:178 Resp: 435162
Ion Ratio Lower Upper
178 100
179 15.6 12.4 18.6
176 18.8 15.6 23.4

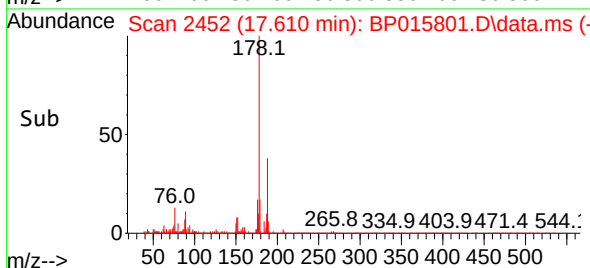
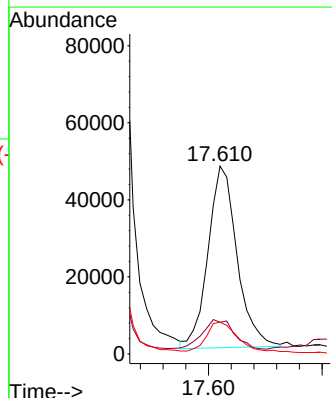
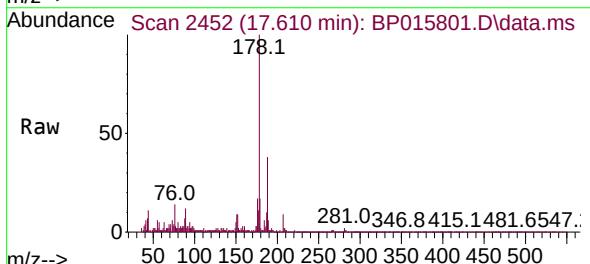
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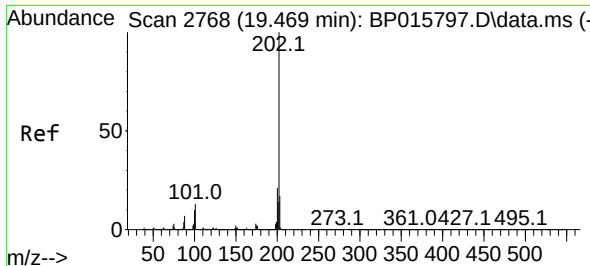
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#74
Anthracene
Concen: 1.439 ng/ul
RT: 17.610 min Scan# 2452
Delta R.T. 0.006 min
Lab File: BP015801.D
Acq: 29 Jun 2023 09:33

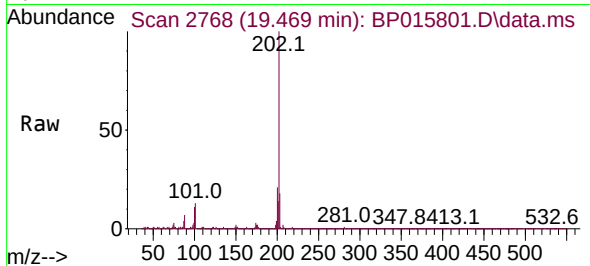
Tgt Ion:178 Resp: 83800
Ion Ratio Lower Upper
178 100
179 16.9 12.1 18.1
176 17.0 14.6 22.0





#80
Fluoranthene
Concen: 15.829 ng/ul
RT: 19.469 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP015801.D
Acq: 29 Jun 2023 09:33

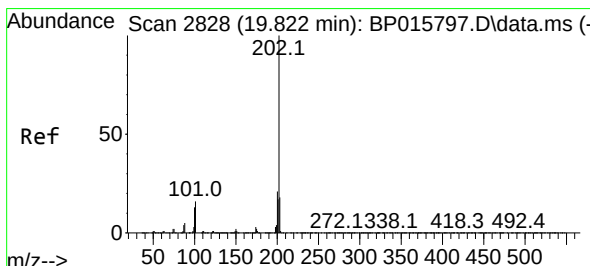
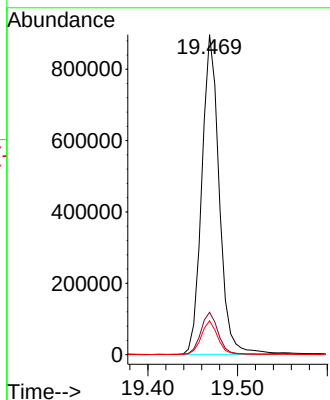
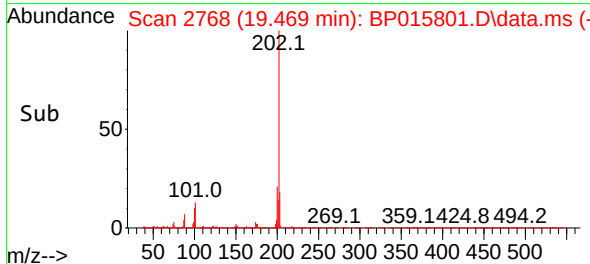
Instrument :
BNA_P
ClientSampleId :
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Tgt Ion:202 Resp: 120860
Ion Ratio Lower Upper
202 100
101 13.3 8.3 12.5
100 10.6 6.6 9.8

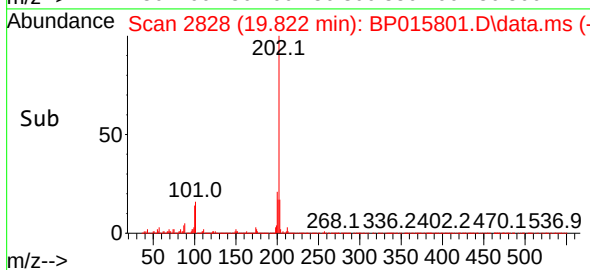
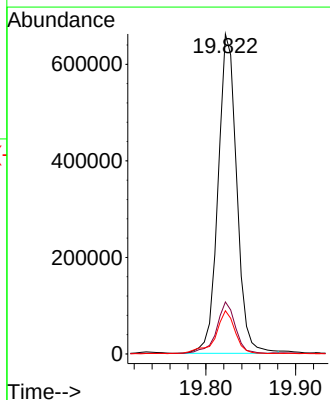
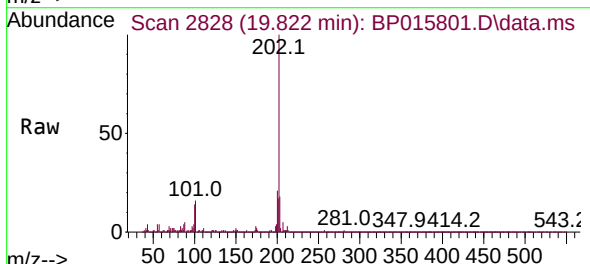
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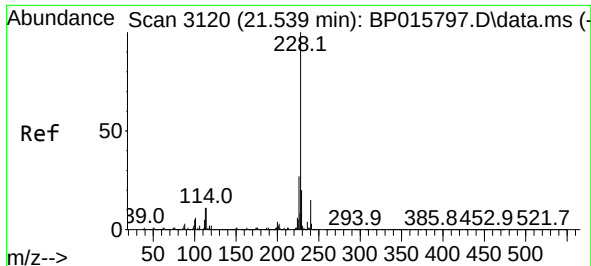
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#82
Pyrene
Concen: 12.268 ng/ul
RT: 19.822 min Scan# 2828
Delta R.T. -0.006 min
Lab File: BP015801.D
Acq: 29 Jun 2023 09:33

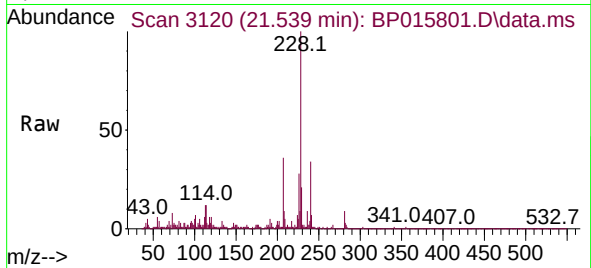
Tgt Ion:202 Resp: 955455
Ion Ratio Lower Upper
202 100
101 16.3 9.3 13.9#
100 13.5 7.6 11.4#





#85
Benzo(a)anthracene
Concen: 8.143 ng/u1
RT: 21.539 min Scan# 3120
Delta R.T. 0.000 min
Lab File: BP015801.D
Acq: 29 Jun 2023 09:33

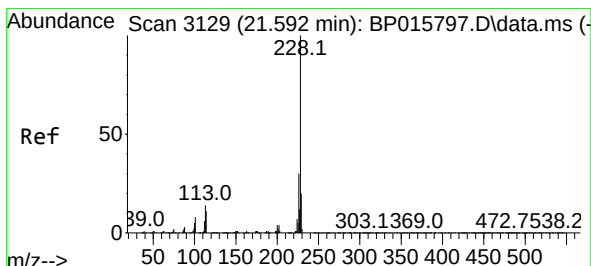
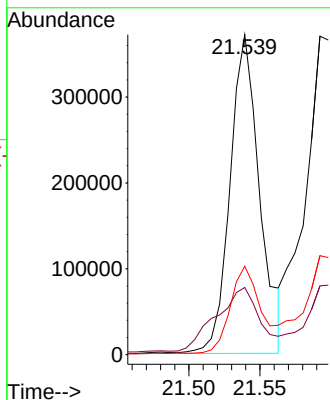
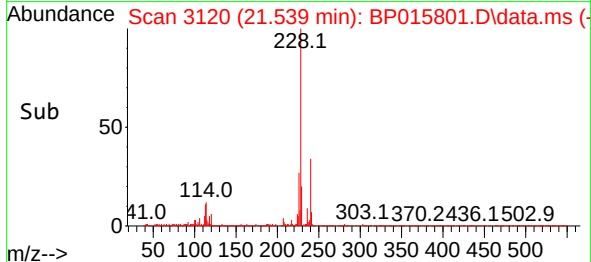
Instrument :
BNA_P
ClientSampleId :
DCFV6



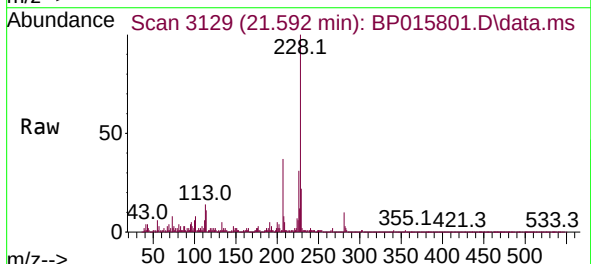
Tgt Ion:228 Resp: 538934
Ion Ratio Lower Upper
228 100
229 21.0 15.3 22.9
226 27.6 21.4 32.0

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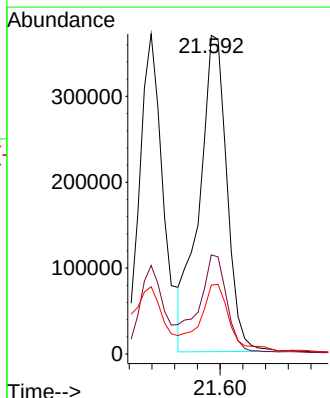
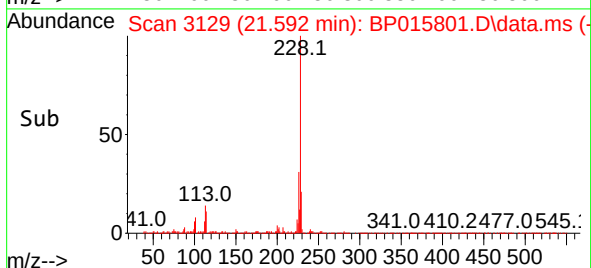
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023

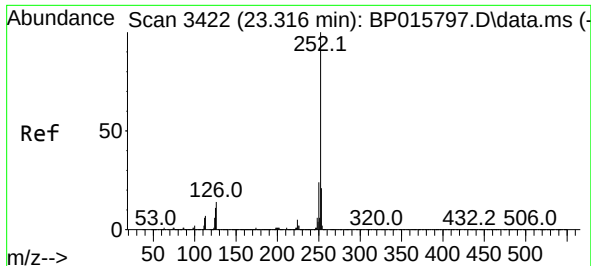


#87
Chrysene
Concen: 9.968 ng/u1
RT: 21.592 min Scan# 3129
Delta R.T. -0.006 min
Lab File: BP015801.D
Acq: 29 Jun 2023 09:33



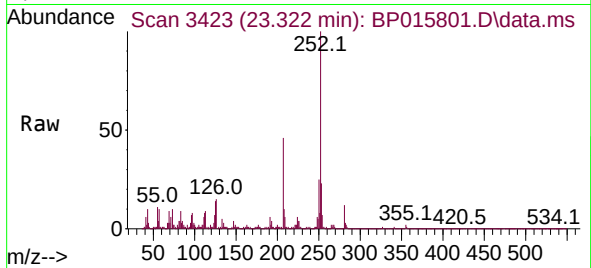
Tgt Ion:228 Resp: 625918
Ion Ratio Lower Upper
228 100
226 31.1 24.3 36.5
229 21.6 15.5 23.3





#90
Benzo(b)fluoranthene
Concen: 13.568 ng/ul
RT: 23.322 min Scan# 3422
Delta R.T. 0.006 min
Lab File: BP015801.D
Acq: 29 Jun 2023 09:33

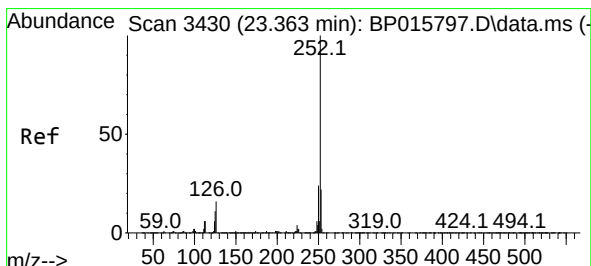
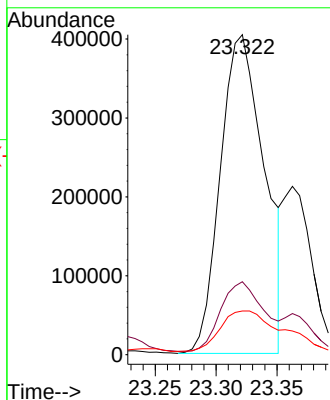
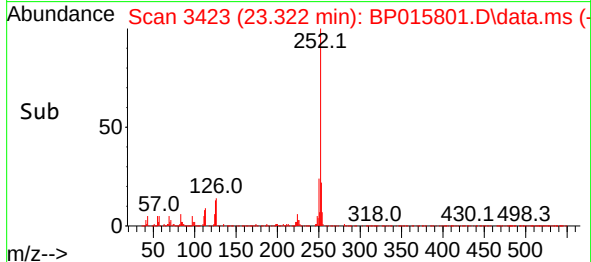
Instrument :
BNA_P
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DCFV6



Tgt Ion:252 Resp: 101464
Ion Ratio Lower Upper
252 100
253 22.8 17.3 25.9
125 13.7 7.5 11.3

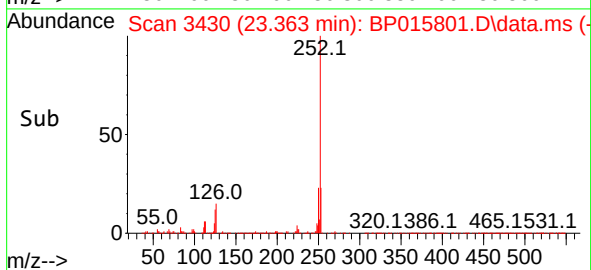
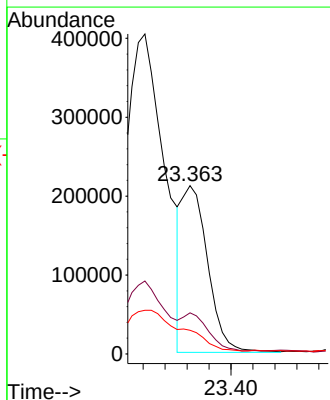
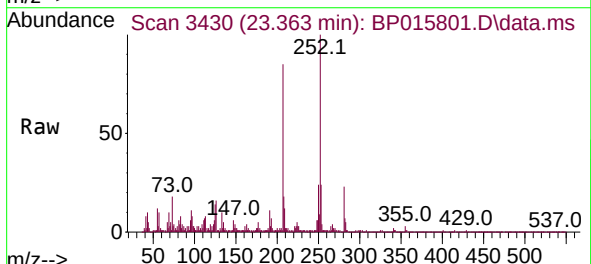
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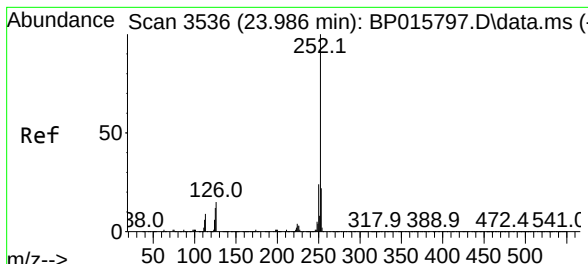
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#91
Benzo(k)fluoranthene
Concen: 4.576 ng/ul m
RT: 23.363 min Scan# 3430
Delta R.T. -0.006 min
Lab File: BP015801.D
Acq: 29 Jun 2023 09:33

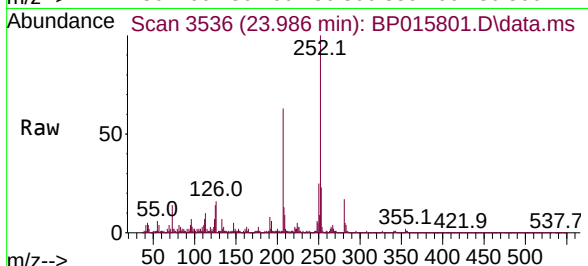
Tgt Ion:252 Resp: 345791
Ion Ratio Lower Upper
252 100
253 24.4 17.0 25.4
125 14.1 7.3 10.9





#93
Benzo(a)pyrene
Concen: 9.445 ng/ul
RT: 23.986 min Scan# 3536
Delta R.T. 0.000 min
Lab File: BP015801.D
Acq: 29 Jun 2023 09:33

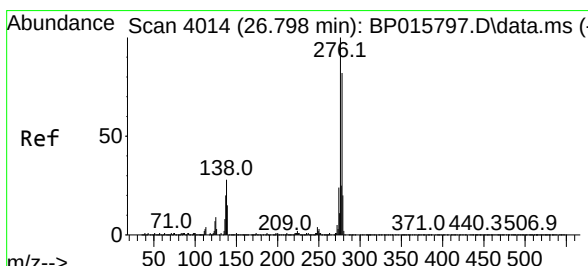
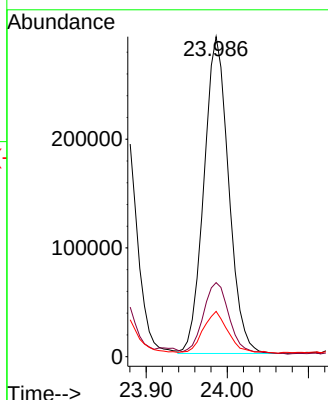
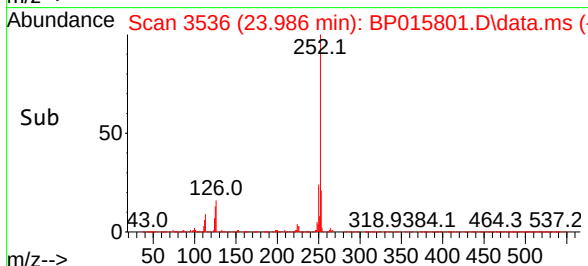
Instrument :
BNA_P
ClientSampleId :
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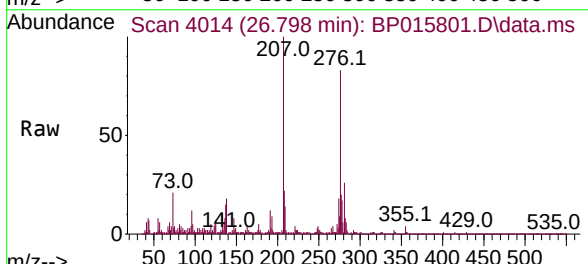
Tgt Ion:252 Resp: 617200
Ion Ratio Lower Upper
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253 23.2 17.7 26.5
125 14.1 8.2 12.2

Manual Integrations
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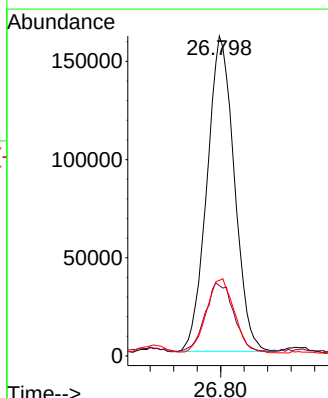
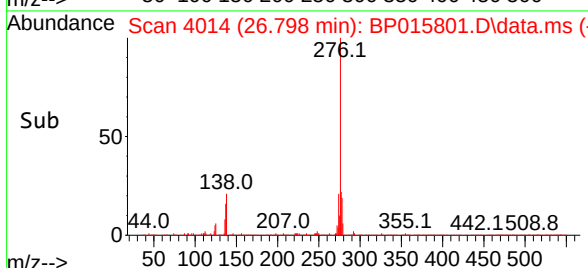
Reviewed By :Yogesh Patel 06/30/2023
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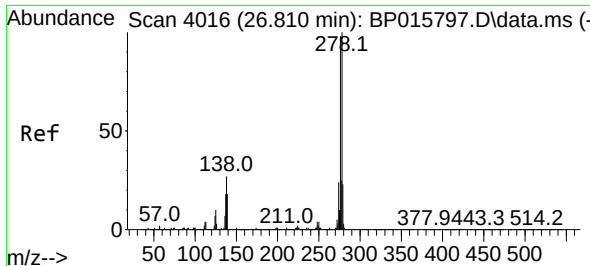


#94
Indeno(1,2,3-cd)pyrene
Concen: 5.838 ng/ul
RT: 26.798 min Scan# 4014
Delta R.T. 0.000 min
Lab File: BP015801.D
Acq: 29 Jun 2023 09:33



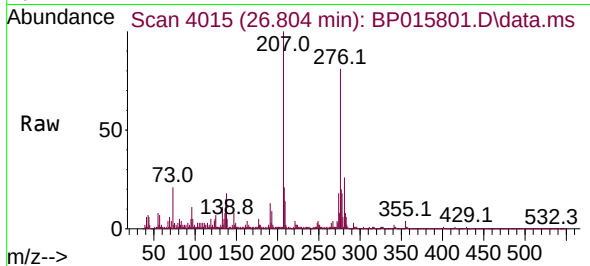
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Ion Ratio Lower Upper
276 100
138 22.0 15.7 23.5
277 23.6 19.6 29.4





#95
Dibenzo(a,h)anthracene
Concen: 1.877 ng/ul
RT: 26.804 min Scan# 4016
Delta R.T. -0.006 min
Lab File: BP015801.D
Acq: 29 Jun 2023 09:33

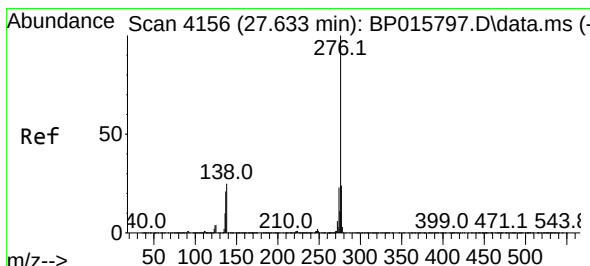
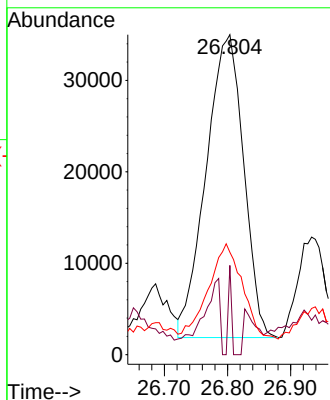
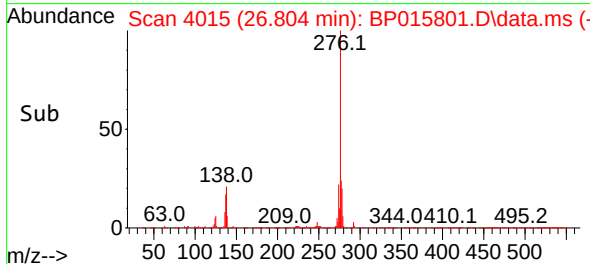
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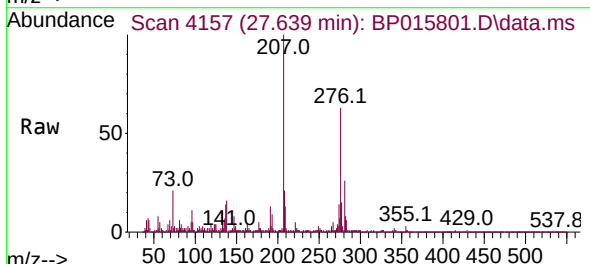
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Ion Ratio Lower Upper
278 100
139 27.9 10.5 15.7
279 32.0 18.4 27.6

Manual Integrations
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Supervised By :mohammad ahmed 06/30/2023



#96
Benzo(g,h,i)perylene
Concen: 6.166 ng/ul
RT: 27.639 min Scan# 4157
Delta R.T. 0.006 min
Lab File: BP015801.D
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Tgt Ion:276 Resp: 449951
Ion Ratio Lower Upper
276 100
138 24.7 15.1 22.7
277 24.3 18.8 28.2

