

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110923\
 Data File : BP018004.D
 Acq On : 10 Nov 2023 00:04
 Operator : MA/JU
 Sample : 05060-08DL 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DCKG6DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/11/2023
 Supervised By :mohammad ahmed 11/15/2023

Quant Time: Nov 10 00:57:50 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP110923.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Nov 09 22:34:38 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.869	152	47783	20.000	ng/u1	0.00
20) Naphthalene-d8	10.687	136	195708	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.540	164	123283	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.316	188	301619	20.000	ng/u1	0.00
79) Chrysene-d12	21.445	240	353886	20.000	ng/u1	0.00
88) Perylene-d12	23.951	264	403341	20.000	ng/u1	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.246	96	1367	0.979	ng/uL	0.00
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	7.046	99	17053	3.798	ng/u1	0.01
9) Bis-(2-Chloroethyl)eth...	7.222	67	11126	4.090	ng/u1	0.00
11) 2-Chlorophenol-d4	7.399	132	15191	4.228	ng/u1	0.01
15) 4-Methylphenol-d8	8.610	113	10568	2.934	ng/u1	0.02
21) Nitrobenzene-d5	9.087	128	6898	3.936	ng/u1	0.01
24) 2-Nitrophenol-d4	9.799	143	7346	3.766	ng/u1	0.01
28) 2,4-Dichlorophenol-d3	10.346	165	12765	3.653	ng/u1	0.03
31) 4-Chloroaniline-d4	10.899	131	7312	1.527	ng/u1	0.03
46) Dimethylphthalate-d6	13.963	166	58935	5.200	ng/u1	0.00
49) Acenaphthylene-d8	14.240	160	60531	4.982	ng/u1	0.00
54) 4-Nitrophenol-d4	0.000	143	0d	0.000	ng/u1	
60) Fluorene-d10	15.540	176	52676	5.608	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	0.000	200	0d	0.000	ng/u1	
73) Anthracene-d10	17.416	188	83425	5.162	ng/u1	0.00
81) Pyrene-d10	19.669	212	125712	5.520	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.786	264	128401	5.477	ng/u1	-0.01
Target Compounds						
					Qvalue	
30) Naphthalene	10.740	128	40257	3.392	ng/u1	98
36) 2-Methylnaphthalene	12.357	142	17537	2.162	ng/u1	83
50) Acenaphthylene	14.269	152	20063	1.442	ng/u1	95
52) Acenaphthene	14.604	153	19662	2.127	ng/u1	99
61) Fluorene	15.598	166	98532	9.154	ng/u1	98
72) Phenanthrene	17.363	178	440680	23.472	ng/u1	99
74) Anthracene	17.457	178	880777	46.403	ng/u1	99
80) Fluoranthene	19.339	202	731271	27.740	ng/u1	99
82) Pyrene	19.698	202	718756	25.798	ng/u1	98
85) Benzo(a)anthracene	21.427	228	442050	15.538	ng/u1	98
87) Chrysene	21.480	228	501263	18.706	ng/u1	98
90) Benzo(b)fluoranthene	23.174	252	510228	17.601	ng/u1	98
91) Benzo(k)fluoranthene	23.221	252	165419	5.717	ng/u1	97
93) Benzo(a)pyrene	23.845	252	240808	8.813	ng/u1	99
94) Indeno(1,2,3-cd)pyrene	26.615	276	126487	3.906	ng/u1	98
95) Dibenzo(a,h)anthracene	26.621	278	32762m	1.224	ng/u1	
96) Benzo(g,h,i)perylene	27.451	276	105643	4.088	ng/u1	97

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

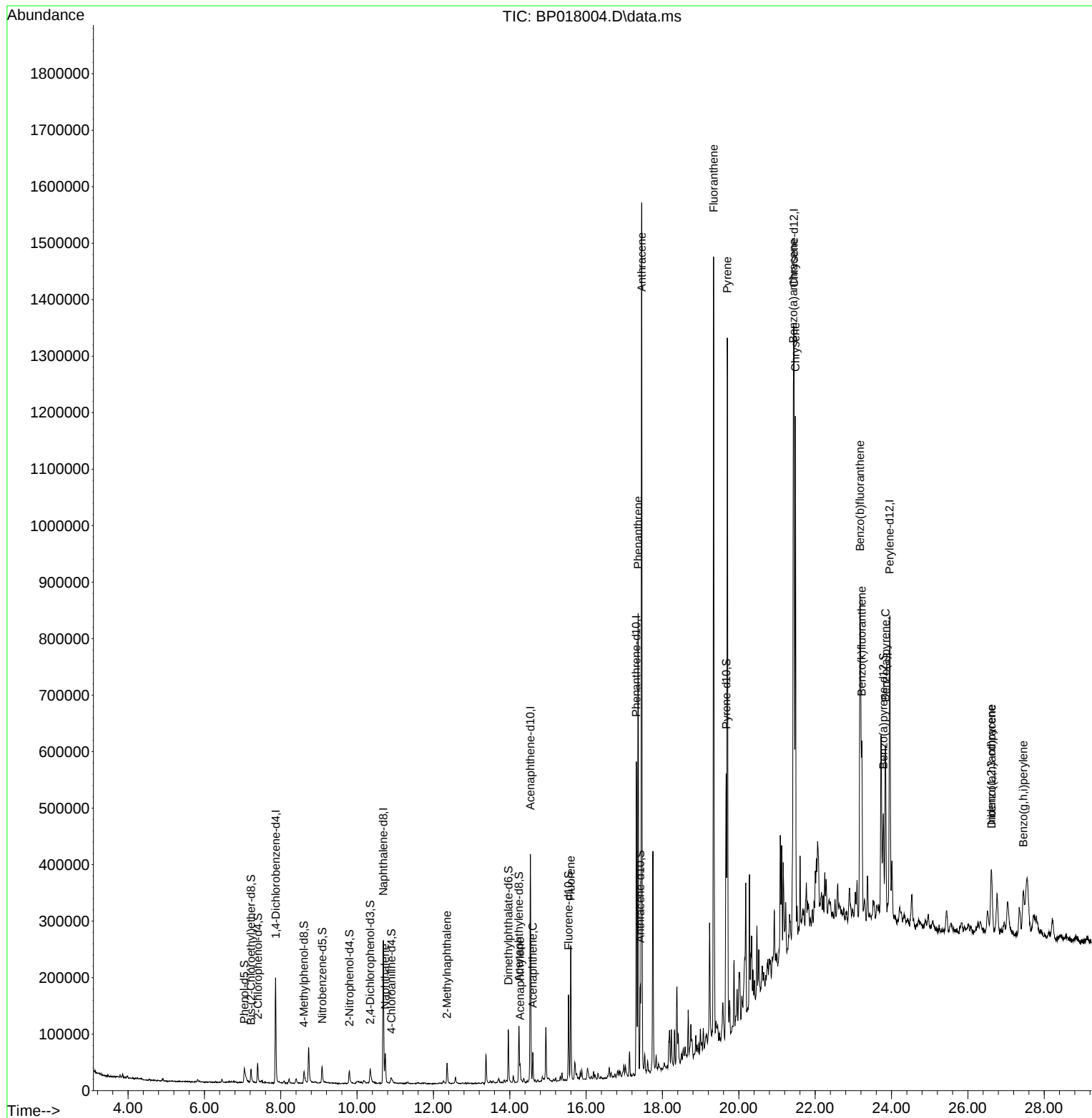
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110923\
Data File : BP018004.D
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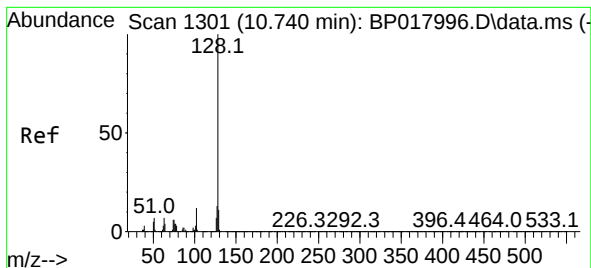
Instrument :
BNA_P
ClientSampleId :
DCKG6DL

Quant Time: Nov 10 00:57:50 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP110923.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Nov 09 22:34:38 2023
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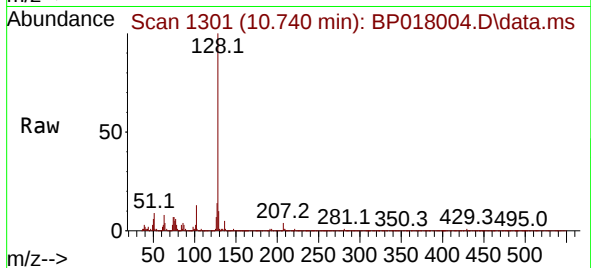
Reviewed By :Yogesh Patel 11/11/2023
Supervised By :mohammad ahmed 11/15/2023





#30
Naphthalene
Concen: 3.392 ng/ul
RT: 10.740 min Scan# 1301
Delta R.T. 0.000 min
Lab File: BP018004.D
Acq: 10 Nov 2023 00:04

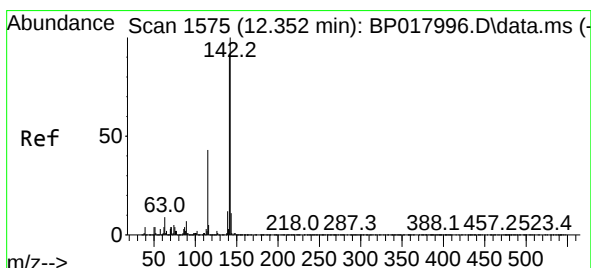
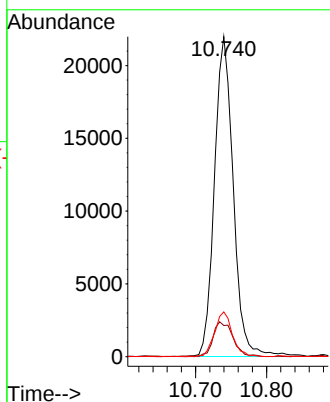
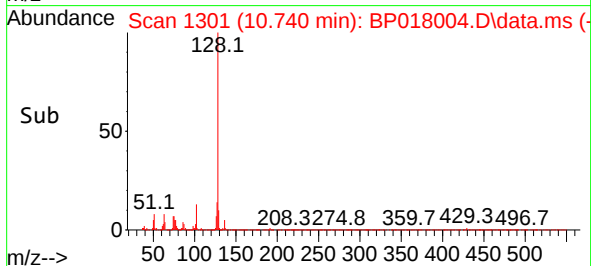
Instrument :
BNA_P
ClientSampleId :
DCKG6DL



Tgt Ion:128 Resp: 4025
Ion Ratio Lower Upper
128 100
129 9.8 8.6 12.8
127 14.0 10.5 15.7

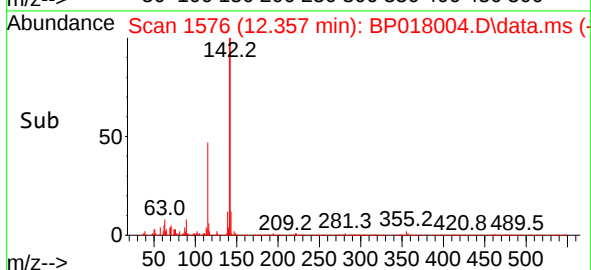
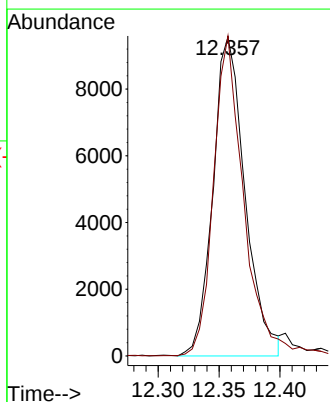
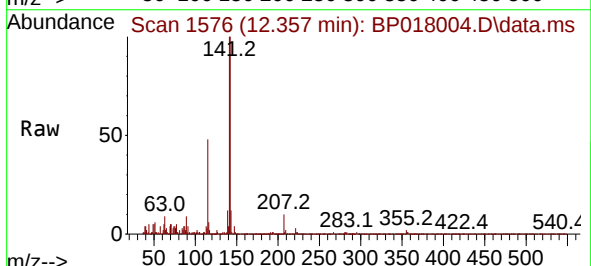
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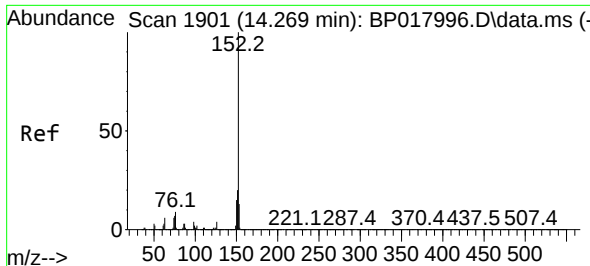
Reviewed By :Yogesh Patel 11/11/2023
Supervised By :mohammad ahmed 11/15/2023



#36
2-Methylnaphthalene
Concen: 2.162 ng/ul
RT: 12.357 min Scan# 1576
Delta R.T. 0.006 min
Lab File: BP018004.D
Acq: 10 Nov 2023 00:04

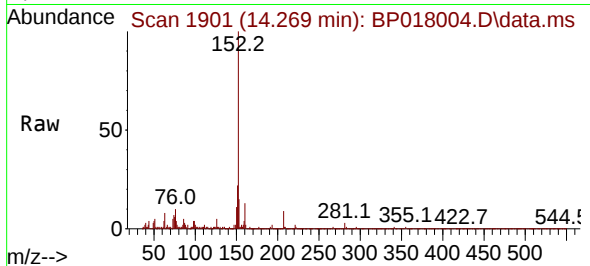
Tgt Ion:142 Resp: 17537
Ion Ratio Lower Upper
142 100
141 100.3 68.0 102.0





#50
Acenaphthylene
Concen: 1.442 ng/ul
RT: 14.269 min Scan# 1901
Delta R.T. 0.000 min
Lab File: BP018004.D
Acq: 10 Nov 2023 00:04

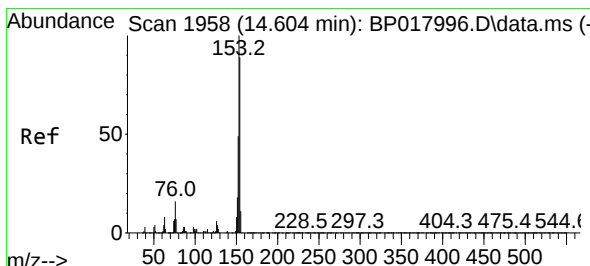
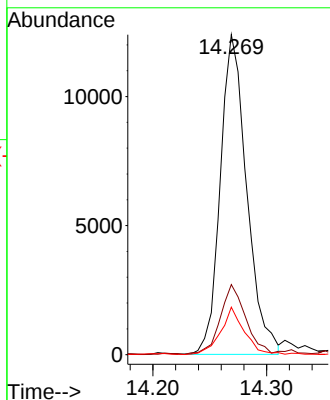
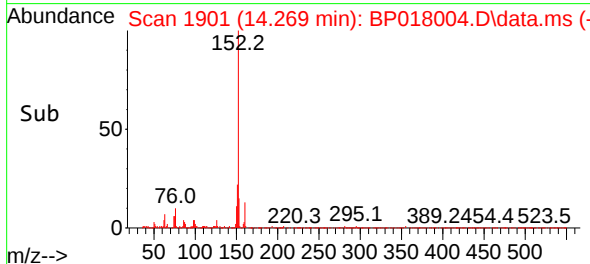
Instrument :
BNA_P
ClientSampleId :
DCKG6DL



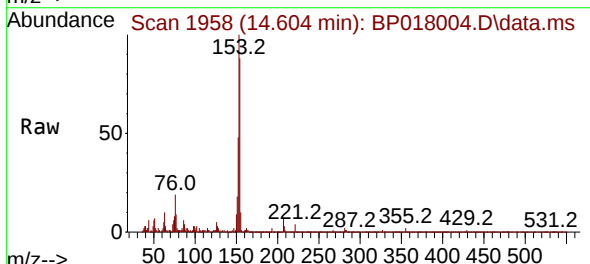
Tgt Ion:152 Resp: 2006
Ion Ratio Lower Upper
152 100
151 21.9 15.5 23.3
153 14.9 10.3 15.5

Manual Integrations
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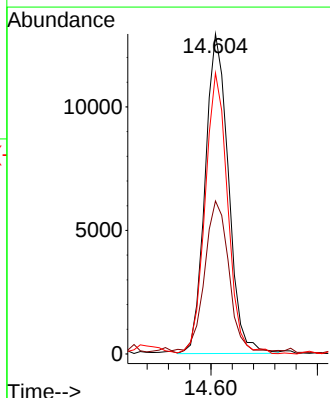
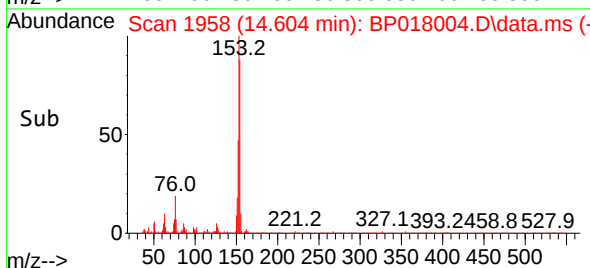
Reviewed By :Yogesh Patel 11/11/2023
Supervised By :mohammad ahmed 11/15/2023

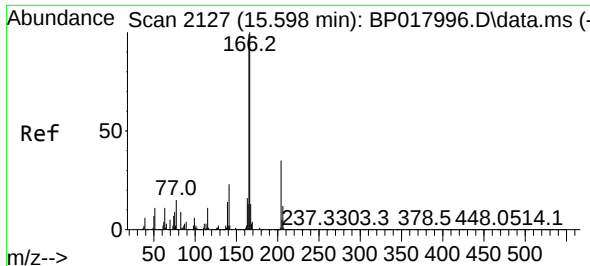


#52
Acenaphthene
Concen: 2.127 ng/ul
RT: 14.604 min Scan# 1958
Delta R.T. -0.006 min
Lab File: BP018004.D
Acq: 10 Nov 2023 00:04



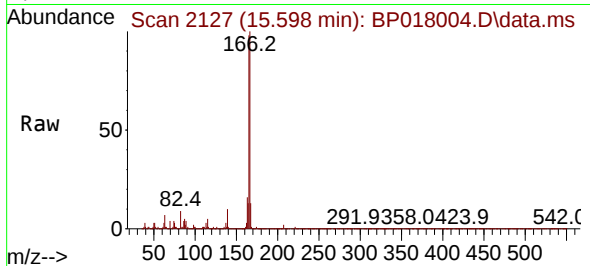
Tgt Ion:153 Resp: 19662
Ion Ratio Lower Upper
153 100
152 47.8 38.2 57.2
154 87.8 68.8 103.2





#61
Fluorene
Concen: 9.154 ng/ul
RT: 15.598 min Scan# 2127
Delta R.T. 0.000 min
Lab File: BP018004.D
Acq: 10 Nov 2023 00:04

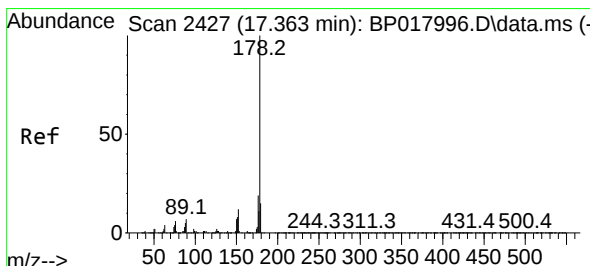
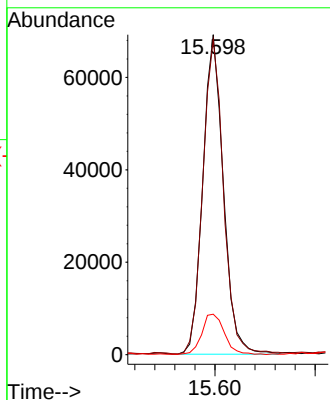
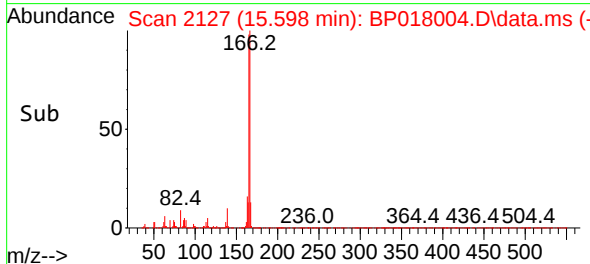
Instrument :
BNA_P
ClientSampleId :
DCKG6DL



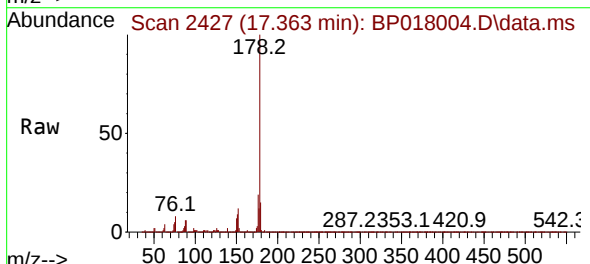
Tgt Ion:166 Resp: 9853
Ion Ratio Lower Upper
166 100
165 98.5 80.2 120.2
167 12.7 11.0 16.4

Manual Integrations
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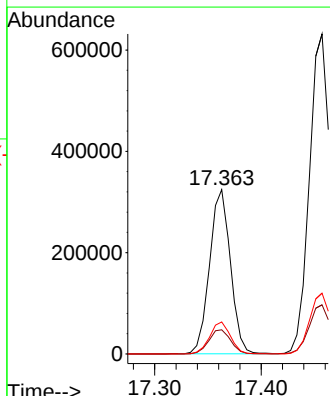
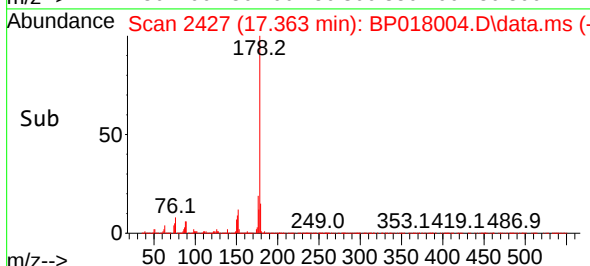
Reviewed By :Yogesh Patel 11/11/2023
Supervised By :mohammad ahmed 11/15/2023

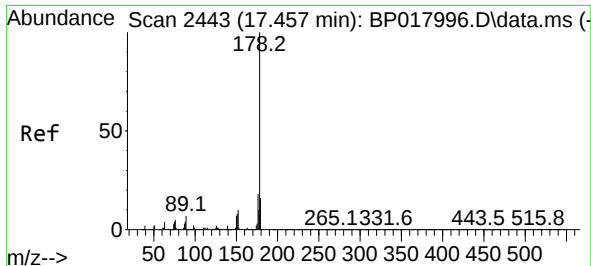


#72
Phenanthrene
Concen: 23.472 ng/ul
RT: 17.363 min Scan# 2427
Delta R.T. -0.006 min
Lab File: BP018004.D
Acq: 10 Nov 2023 00:04



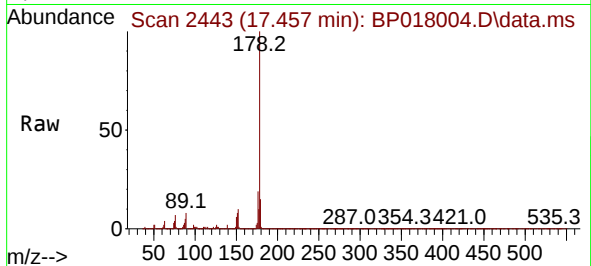
Tgt Ion:178 Resp: 440680
Ion Ratio Lower Upper
178 100
179 14.7 11.6 17.4
176 19.5 15.1 22.7





#74
 Anthracene
 Concen: 46.403 ng/ul
 RT: 17.457 min Scan# 2443
 Delta R.T. 0.000 min
 Lab File: BP018004.D
 Acq: 10 Nov 2023 00:04

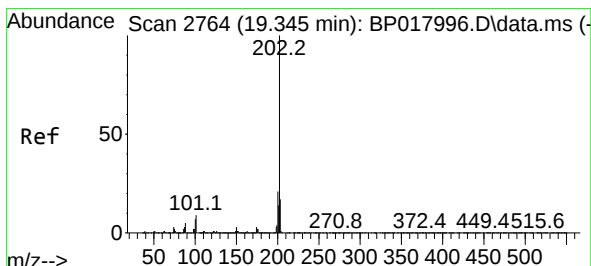
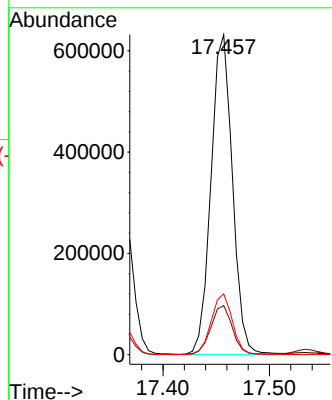
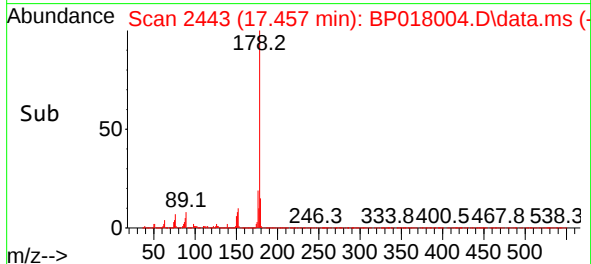
Instrument :
 BNA_P
 ClientSampleId :
 DCKG6DL



Tgt Ion:178 Resp: 880777
 Ion Ratio Lower Upper
 178 100
 179 15.4 12.9 19.3
 176 19.0 15.1 22.7

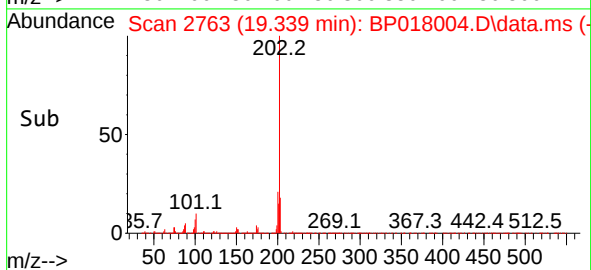
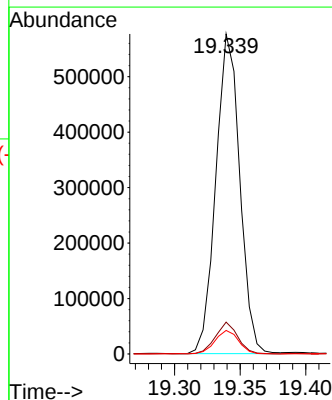
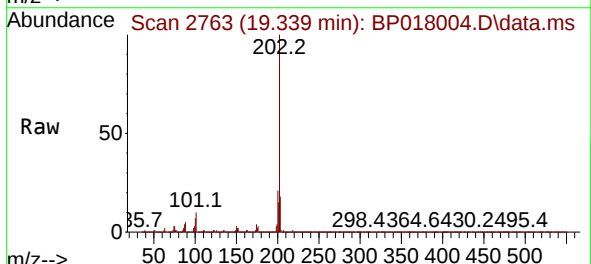
Manual Integrations
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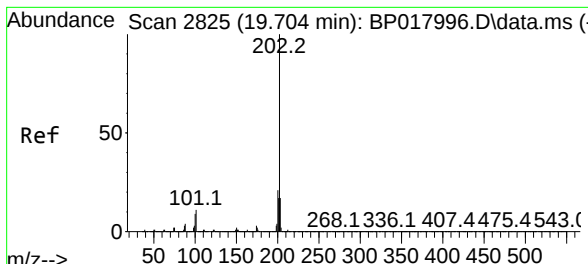
Reviewed By :Yogesh Patel 11/11/2023
 Supervised By :mohammad ahmed 11/15/2023



#80
 Fluoranthene
 Concen: 27.740 ng/ul
 RT: 19.339 min Scan# 2763
 Delta R.T. -0.006 min
 Lab File: BP018004.D
 Acq: 10 Nov 2023 00:04

Tgt Ion:202 Resp: 731271
 Ion Ratio Lower Upper
 202 100
 101 10.0 7.4 11.0
 100 7.4 5.8 8.6





#82
 Pyrene
 Concen: 25.798 ng/ul
 RT: 19.698 min Scan# 2187
 Delta R.T. -0.006 min
 Lab File: BP018004.D
 Acq: 10 Nov 2023 00:04

Instrument :

BNA_P

ClientSampleId :

DCKG6DL

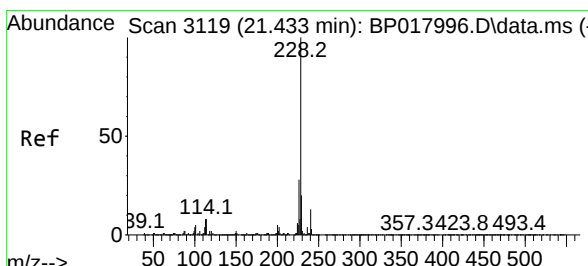
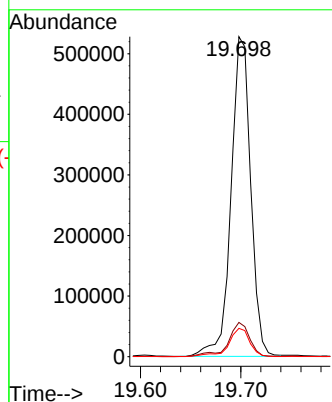
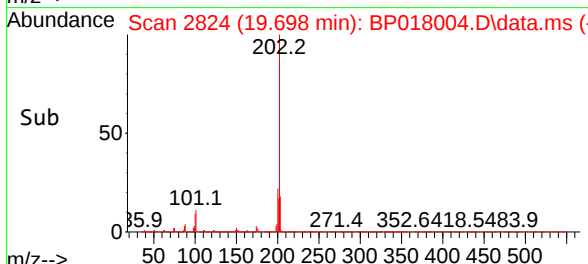
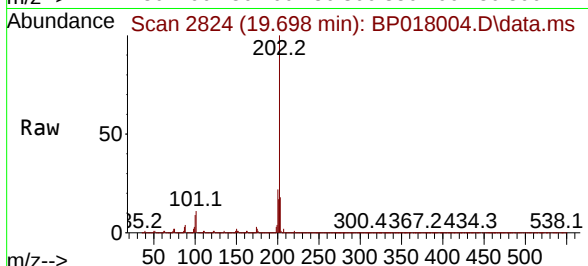
Tgt Ion:	202	Resp:	718750
Ion Ratio	Lower	Upper	
202	100		
101	10.7	9.0	13.4
100	8.9	7.8	11.8

Manual Integrations

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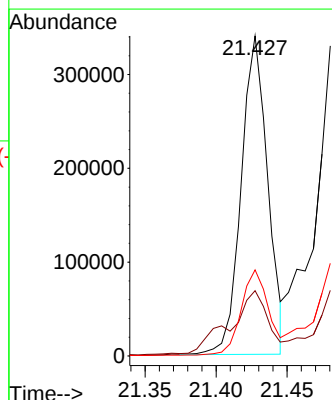
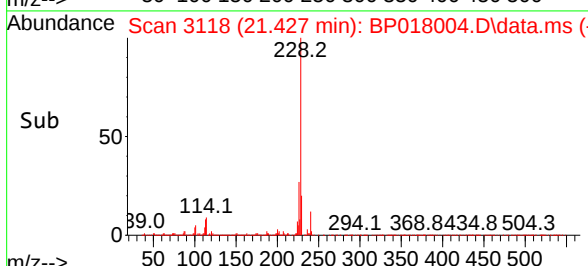
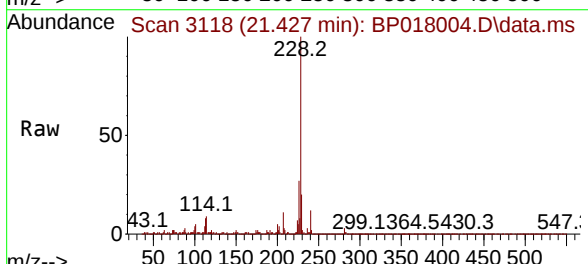
Reviewed By :Yogesh Patel 11/11/2023

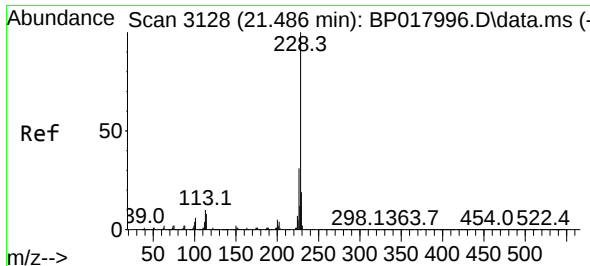
Supervised By :mohammad ahmed 11/15/2023



#85
 Benzo(a)anthracene
 Concen: 15.538 ng/ul
 RT: 21.427 min Scan# 3118
 Delta R.T. -0.006 min
 Lab File: BP018004.D
 Acq: 10 Nov 2023 00:04

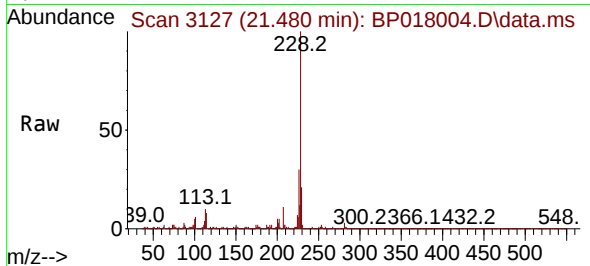
Tgt Ion:	228	Resp:	442050
Ion Ratio	Lower	Upper	
228	100		
229	20.4	15.6	23.4
226	26.9	22.3	33.5





#87
Chrysene
Concen: 18.706 ng/ul
RT: 21.480 min Scan# 3127
Delta R.T. -0.012 min
Lab File: BP018004.D
Acq: 10 Nov 2023 00:04

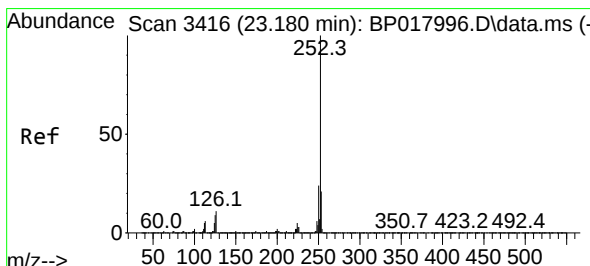
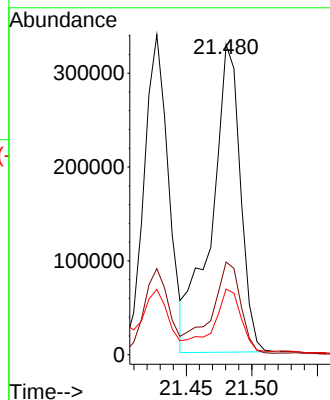
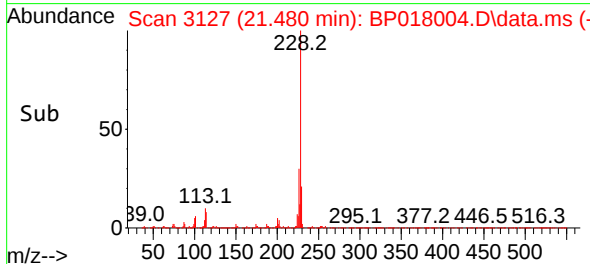
Instrument :
BNA_P
ClientSampleId :
DCKG6DL



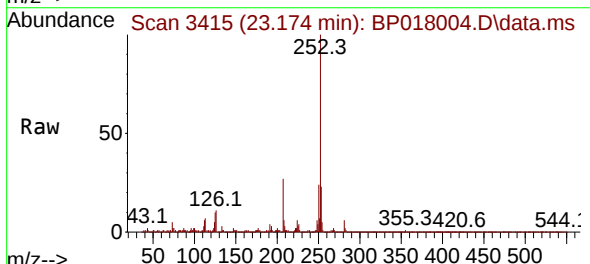
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Ion Ratio Lower Upper
228 100
226 29.9 24.4 36.6
229 21.1 15.4 23.0

Manual Integrations
APPROVED

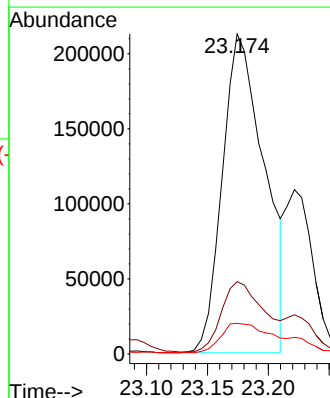
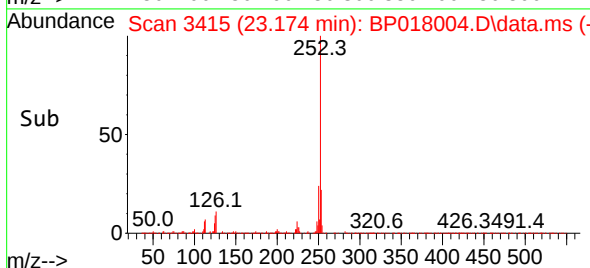
Reviewed By :Yogesh Patel 11/11/2023
Supervised By :mohammad ahmed 11/15/2023

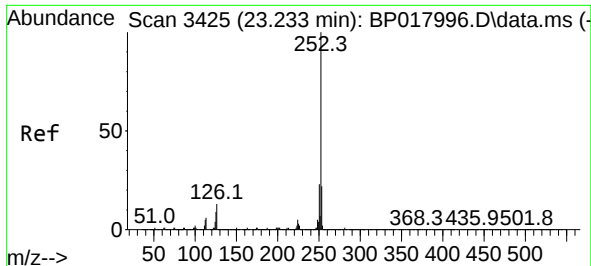


#90
Benzo(b)fluoranthene
Concen: 17.601 ng/ul
RT: 23.174 min Scan# 3415
Delta R.T. -0.006 min
Lab File: BP018004.D
Acq: 10 Nov 2023 00:04



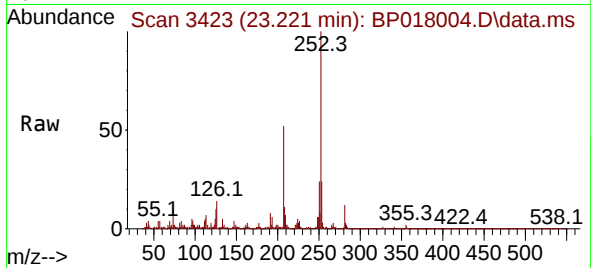
Tgt Ion:252 Resp: 510228
Ion Ratio Lower Upper
252 100
253 22.6 17.0 25.4
125 9.6 7.4 11.2





#91
Benzo(k)fluoranthene
Concen: 5.717 ng/ul
RT: 23.221 min Scan# 3425
Delta R.T. -0.012 min
Lab File: BP018004.D
Acq: 10 Nov 2023 00:04

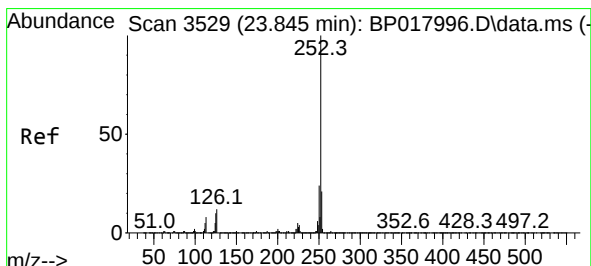
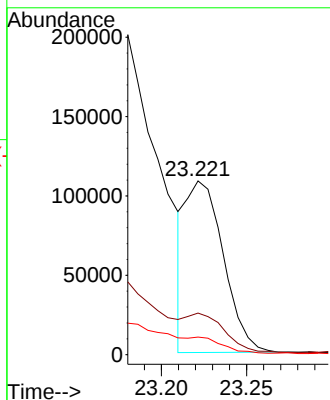
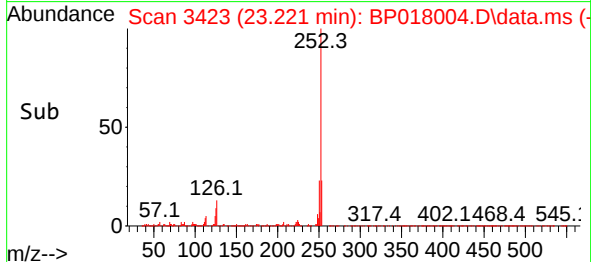
Instrument :
BNA_P
ClientSampleId :
DCKG6DL



Tgt Ion:252 Resp: 165419
Ion Ratio Lower Upper
252 100
253 23.9 17.8 26.6
125 10.1 7.4 11.2

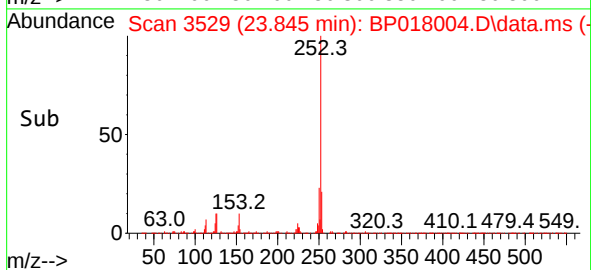
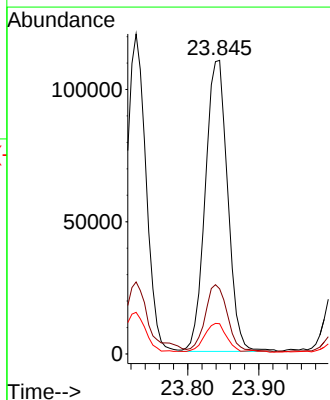
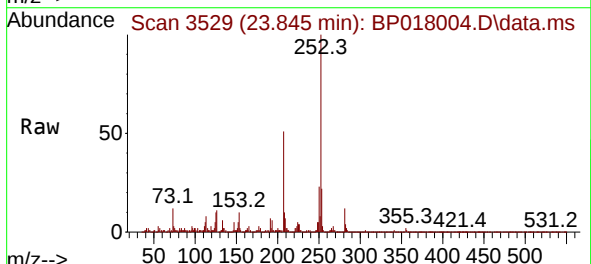
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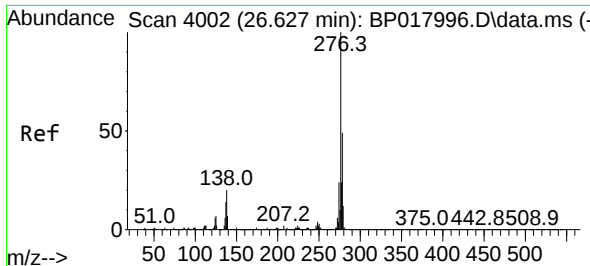
Reviewed By :Yogesh Patel 11/11/2023
Supervised By :mohammad ahmed 11/15/2023



#93
Benzo(a)pyrene
Concen: 8.813 ng/ul
RT: 23.845 min Scan# 3529
Delta R.T. -0.006 min
Lab File: BP018004.D
Acq: 10 Nov 2023 00:04

Tgt Ion:252 Resp: 240808
Ion Ratio Lower Upper
252 100
253 22.2 17.4 26.0
125 10.3 7.8 11.8





#94
Indeno(1,2,3-cd)pyrene
Concen: 3.906 ng/ul
RT: 26.615 min Scan# 4000
Delta R.T. -0.018 min
Lab File: BP018004.D
Acq: 10 Nov 2023 00:04

Instrument :

BNA_P

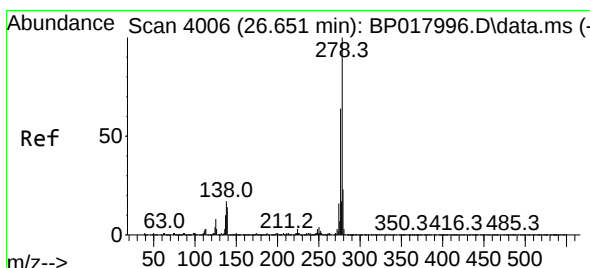
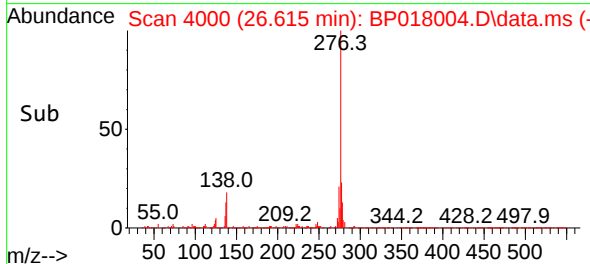
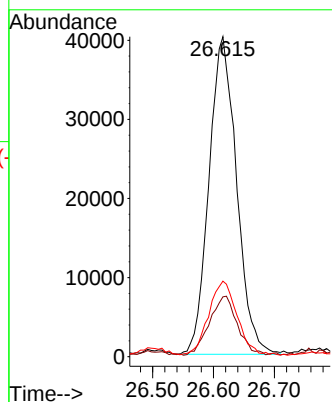
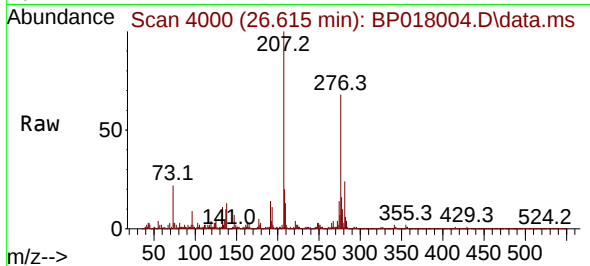
ClientSampleId :

DCKG6DL

Tgt Ion:276 Resp: 12648
Ion Ratio Lower Upper
276 100
138 18.7 16.2 24.4
277 23.6 18.8 28.2

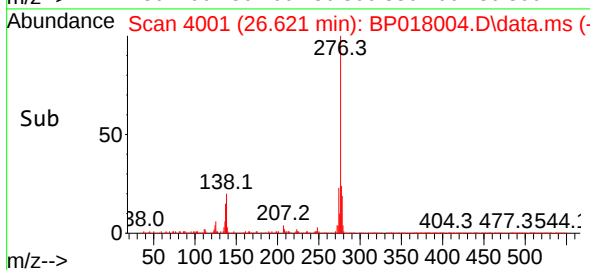
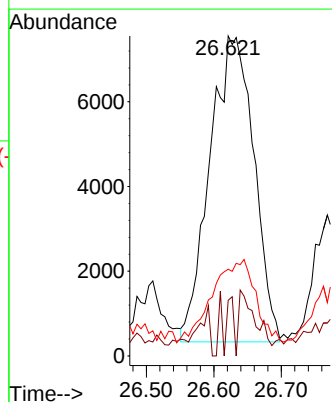
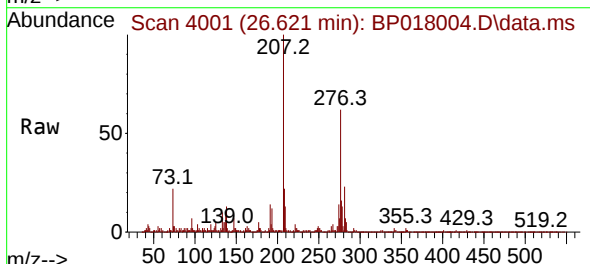
Manual Integrations
APPROVED

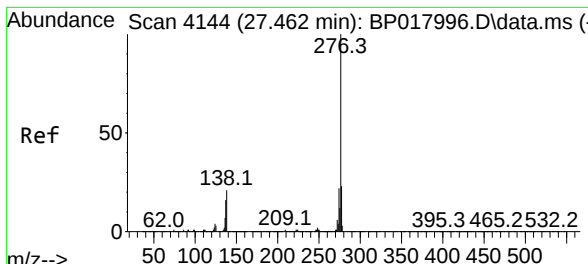
Reviewed By :Yogesh Patel 11/11/2023
Supervised By :mohammad ahmed 11/15/2023



#95
Dibenzo(a,h)anthracene
Concen: 1.224 ng/ul m
RT: 26.621 min Scan# 4001
Delta R.T. -0.035 min
Lab File: BP018004.D
Acq: 10 Nov 2023 00:04

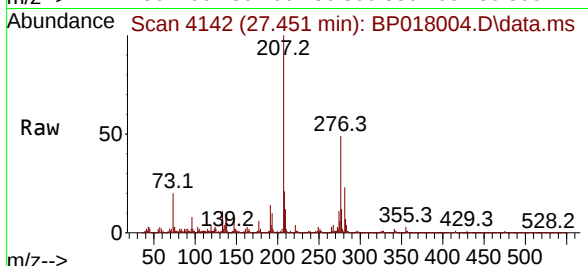
Tgt Ion:278 Resp: 32762
Ion Ratio Lower Upper
278 100
139 17.4 11.9 17.9
279 27.1 19.7 29.5





#96
 Benzo(g,h,i)perylene
 Concen: 4.088 ng/ul
 RT: 27.451 min Scan# 4142
 Delta R.T. -0.018 min
 Lab File: BP018004.D
 Acq: 10 Nov 2023 00:04

Instrument :
 BNA_P
 ClientSampleId :
 DCKG6DL



Tgt Ion:276 Resp: 10564
 Ion Ratio Lower Upper
 276 100
 138 19.9 15.0 22.6
 277 25.3 19.0 28.6

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/11/2023
 Supervised By :mohammad ahmed 11/15/2023

