

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110123\
 Data File : BP017895.D
 Acq On : 02 Nov 2023 20:02
 Operator : MA/JU
 Sample : 05060-04
 Misc :
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DCKG2

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/03/2023
 Supervised By :mohammad ahmed 11/04/2023

Quant Time: Nov 03 00:26:20 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP101823.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 19 01:32:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.875	152	161670	20.000	ng/u1	-0.01
20) Naphthalene-d8	10.704	136	608339	20.000	ng/u1	-0.02
38) Acenaphthene-d10	14.575	164	421464	20.000	ng/u1	-0.01
64) Phenanthrene-d10	17.363	188	904392	20.000	ng/u1	-0.01
79) Chrysene-d12	21.516	240	872395	20.000	ng/u1	0.00
88) Perylene-d12	24.074	264	969415	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.269	96	7649	1.760	ng/uL	0.01
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	7.040	99	123813	9.203	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.222	67	82024	9.872	ng/u1	-0.01
11) 2-Chlorophenol-d4	7.399	132	106053	9.665	ng/u1	-0.01
15) 4-Methylphenol-d8	8.599	113	91910	8.700	ng/u1	-0.01
21) Nitrobenzene-d5	9.081	128	50775	10.300	ng/u1	-0.02
24) 2-Nitrophenol-d4	9.799	143	55203	10.135	ng/u1	-0.01
28) 2,4-Dichlorophenol-d3	10.334	165	97321	9.109	ng/u1	0.00
31) 4-Chloroaniline-d4	10.893	131	34961	2.500	ng/u1	0.00
46) Dimethylphthalate-d6	13.987	166	350329	9.902	ng/u1	-0.02
49) Acenaphthylene-d8	14.269	160	388012	9.834	ng/u1	-0.01
54) 4-Nitrophenol-d4	14.845	143	27534	5.462	ng/u1	0.02
60) Fluorene-d10	15.581	176	300891	9.838	ng/u1	-0.01
65) 4,6-Dinitro-2-methylph...	15.734	200	41536	6.972	ng/u1	0.00
73) Anthracene-d10	17.469	188	463468	10.028	ng/u1	0.00
81) Pyrene-d10	19.727	212	562265	10.280	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.904	264	526893	9.758	ng/u1	0.00
Target Compounds						
					Qvalue	
30) Naphthalene	10.757	128	35356	1.010	ng/u1	97
50) Acenaphthylene	14.298	152	189809	4.295	ng/u1	99
61) Fluorene	15.634	166	39637	1.150	ng/u1#	92
71) Pentachlorophenol	16.998	266	21072	2.885	ng/u1	95
72) Phenanthrene	17.410	178	363789	6.867	ng/u1	99
74) Anthracene	17.504	178	768290	14.318	ng/u1	99
80) Fluoranthene	19.398	202	2965406	47.189	ng/u1	98
82) Pyrene	19.757	202	3251128	48.833	ng/u1	98
85) Benzo(a)anthracene	21.498	228	1509554	22.761	ng/u1	97
87) Chrysene	21.557	228	2516570m	40.126	ng/u1	
90) Benzo(b)fluoranthene	23.286	252	4113867	62.354	ng/u1	97
91) Benzo(k)fluoranthene	23.327	252	1295999	19.382	ng/u1	97
93) Benzo(a)pyrene	23.957	252	1482168	23.930	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	26.780	276	1112066	15.065	ng/u1#	95
95) Dibenzo(a,h)anthracene	26.798	278	305126m	4.954	ng/u1	
96) Benzo(g,h,i)perylene	27.633	276	873715	14.690	ng/u1	96

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

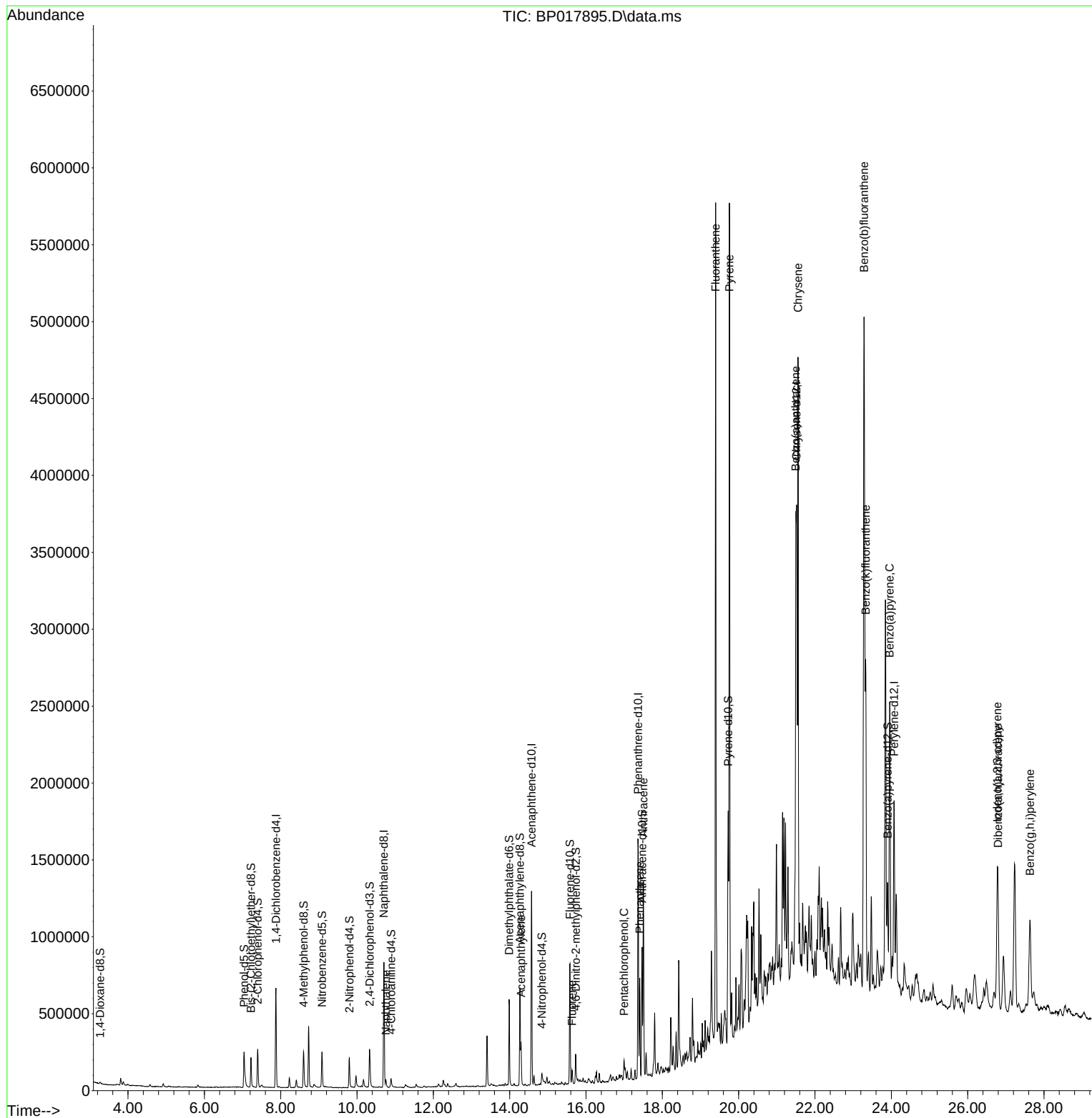
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110123\
Data File : BP017895.D
Acq On : 02 Nov 2023 20:02
Operator : MA/JU
Sample : 05060-04
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ALS Vial : 50 Sample Multiplier: 1

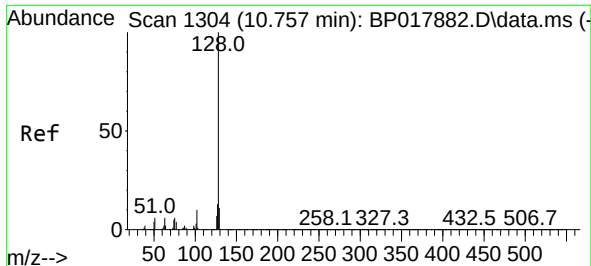
Instrument :
BNA_P
ClientSampleId :
DCKG2

Quant Time: Nov 03 00:26:20 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP101823.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Oct 19 01:32:15 2023
Response via : Initial Calibration

Manual Integrations
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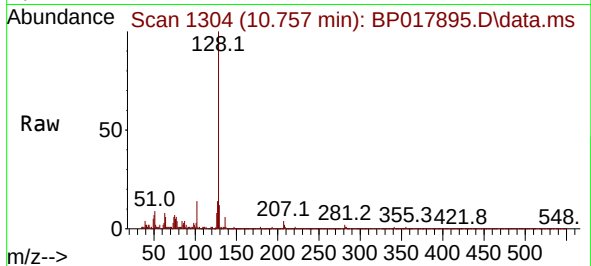
Reviewed By :Yogesh Patel 11/03/2023
Supervised By :mohammad ahmed 11/04/2023





#30
Naphthalene
Concen: 1.010 ng/ul
RT: 10.757 min Scan# 11
Delta R.T. -0.018 min
Lab File: BP017895.D
Acq: 02 Nov 2023 20:02

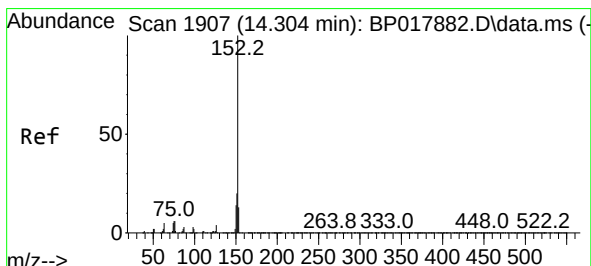
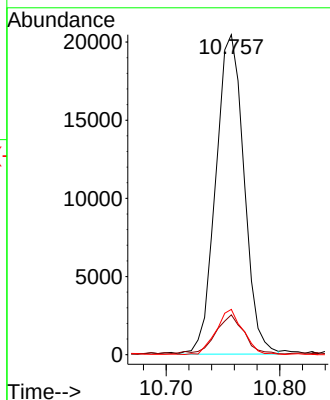
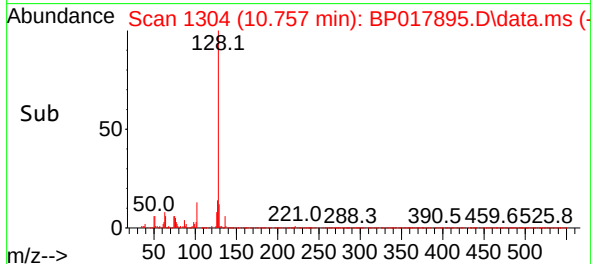
Instrument :
BNA_P
ClientSampleId :
DCKG2



Tgt Ion:128 Resp: 35350
Ion Ratio Lower Upper
128 100
129 12.5 8.7 13.1
127 14.2 10.5 15.7

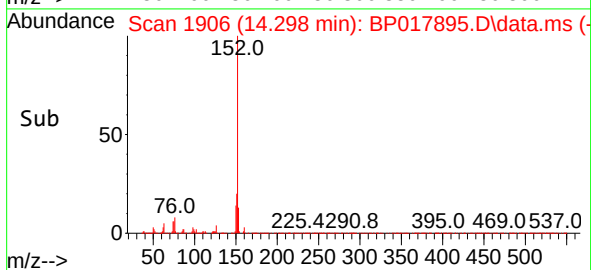
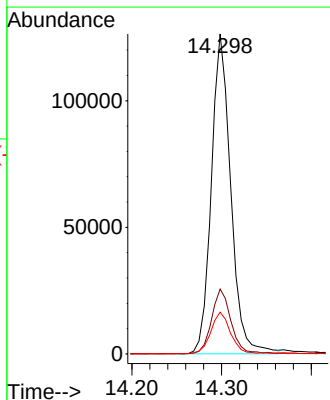
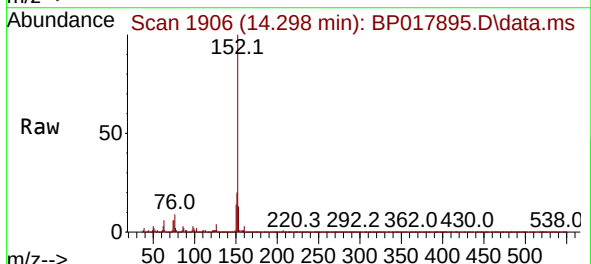
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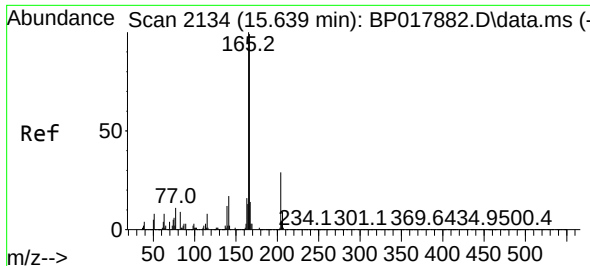
Reviewed By :Yogesh Patel 11/03/2023
Supervised By :mohammad ahmed 11/04/2023



#50
Acenaphthylene
Concen: 4.295 ng/ul
RT: 14.298 min Scan# 1906
Delta R.T. -0.012 min
Lab File: BP017895.D
Acq: 02 Nov 2023 20:02

Tgt Ion:152 Resp: 189809
Ion Ratio Lower Upper
152 100
151 20.3 15.9 23.9
153 13.1 10.8 16.2





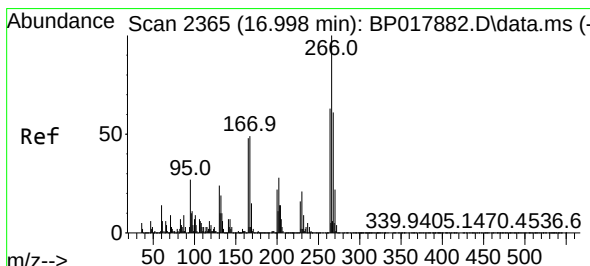
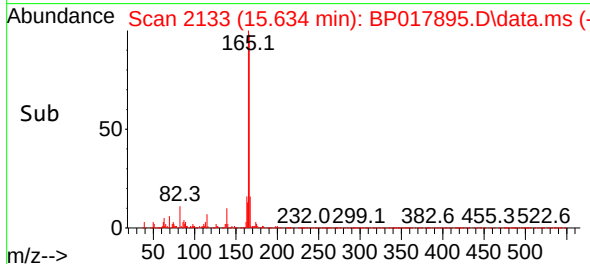
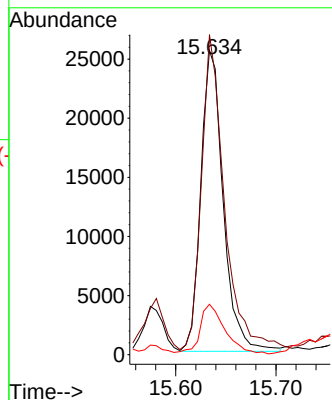
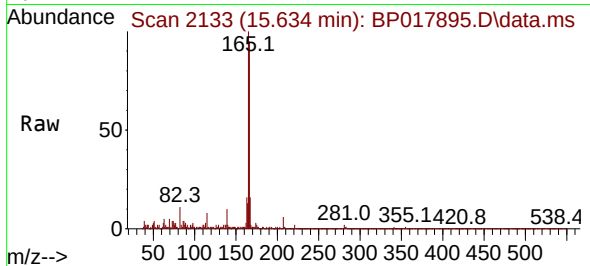
#61
Fluorene
Concen: 1.150 ng/ul
RT: 15.634 min Scan# 2134
Delta R.T. -0.012 min
Lab File: BP017895.D
Acq: 02 Nov 2023 20:02

Instrument :
BNA_P
ClientSampleId :
DCKG2

Tgt Ion:166 Resp: 3963
Ion Ratio Lower Upper
166 100
165 105.2 77.4 116.0
167 16.5 10.9 16.3

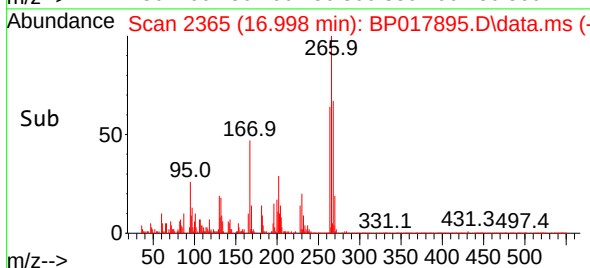
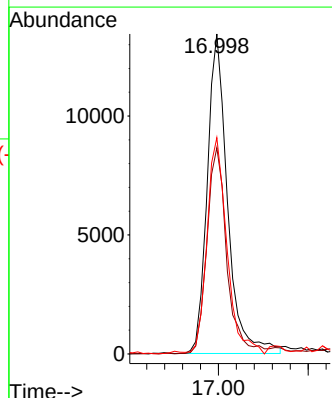
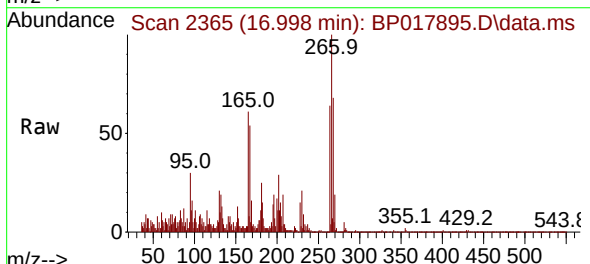
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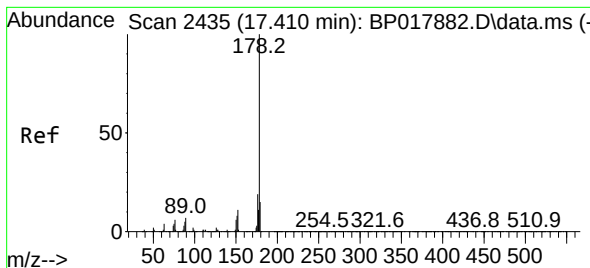
Reviewed By :Yogesh Patel 11/03/2023
Supervised By :mohammad ahmed 11/04/2023



#71
Pentachlorophenol
Concen: 2.885 ng/ul
RT: 16.998 min Scan# 2365
Delta R.T. -0.006 min
Lab File: BP017895.D
Acq: 02 Nov 2023 20:02

Tgt Ion:266 Resp: 21072
Ion Ratio Lower Upper
266 100
264 64.4 49.4 74.2
268 67.6 50.3 75.5





#72

Phenanthrene

Concen: 6.867 ng/ul

RT: 17.410 min Scan# 2435

Delta R.T. -0.012 min

Lab File: BP017895.D

Acq: 02 Nov 2023 20:02

Instrument :

BNA_P

ClientSampleId :

DCKG2

Tgt Ion:178 Resp: 363789

Ion Ratio Lower Upper

178 100

179 15.9 12.2 18.2

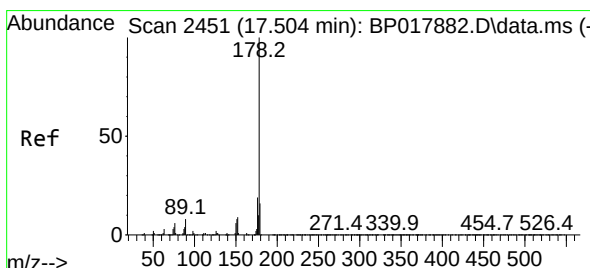
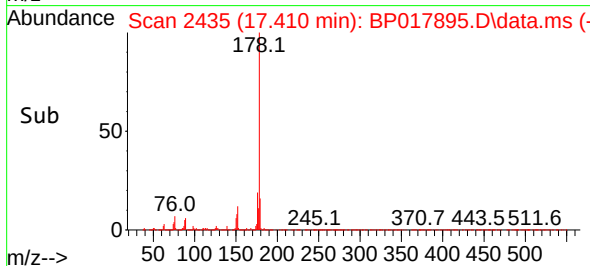
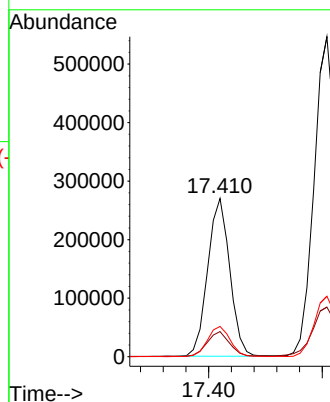
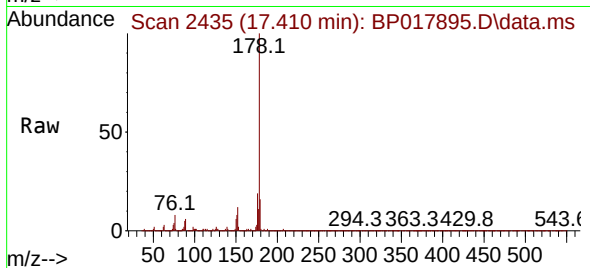
176 19.1 15.3 22.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/03/2023

Supervised By :mohammad ahmed 11/04/2023



#74

Anthracene

Concen: 14.318 ng/ul

RT: 17.504 min Scan# 2451

Delta R.T. -0.006 min

Lab File: BP017895.D

Acq: 02 Nov 2023 20:02

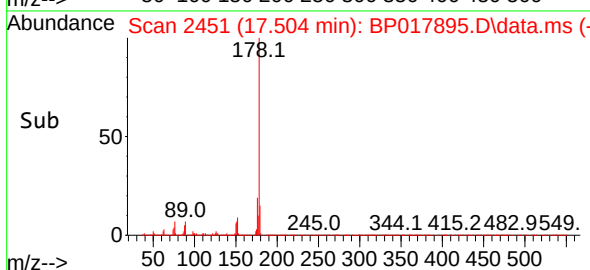
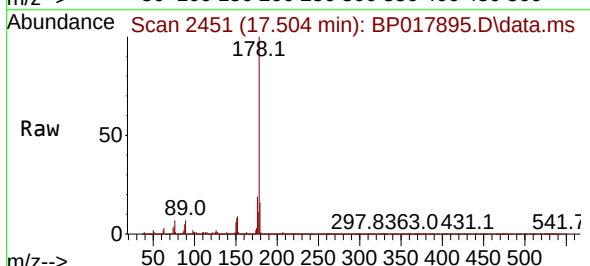
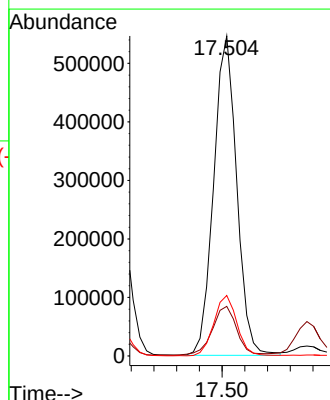
Tgt Ion:178 Resp: 768290

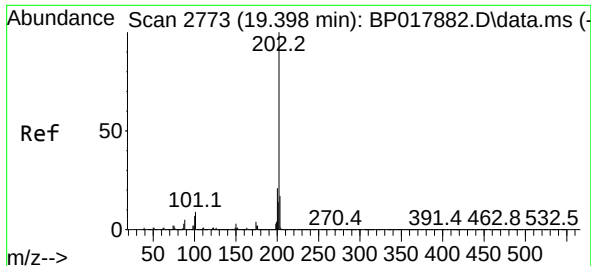
Ion Ratio Lower Upper

178 100

179 15.5 12.0 18.0

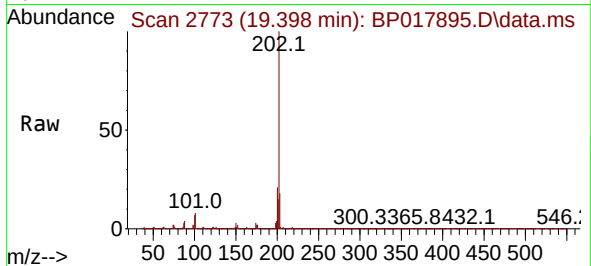
176 18.9 14.8 22.2





#80
Fluoranthene
Concen: 47.189 ng/u1
RT: 19.398 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP017895.D
Acq: 02 Nov 2023 20:02

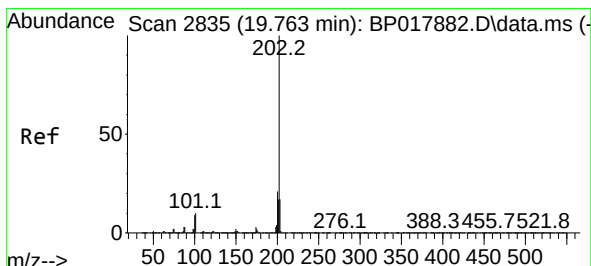
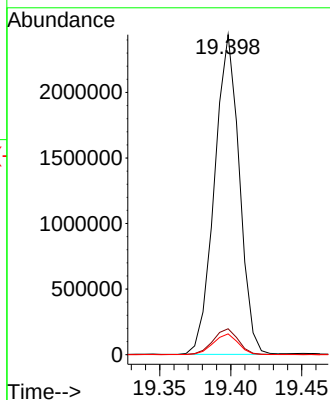
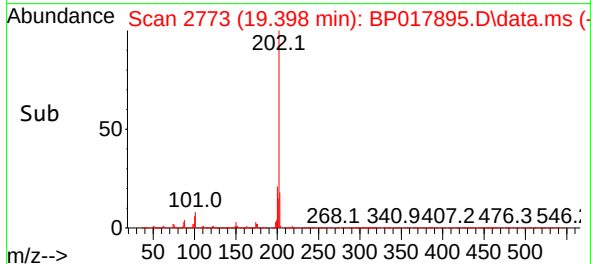
Instrument :
BNA_P
ClientSampleId :
DCKG2



Tgt Ion:202 Resp: 2965400
Ion Ratio Lower Upper
202 100
101 8.1 7.1 10.7
100 6.5 5.7 8.5

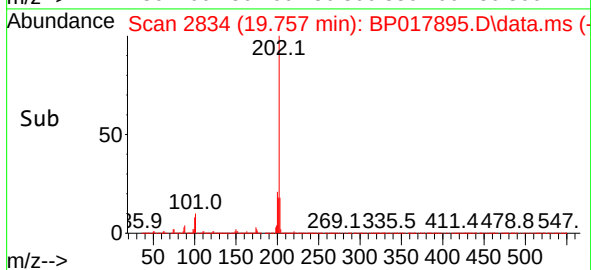
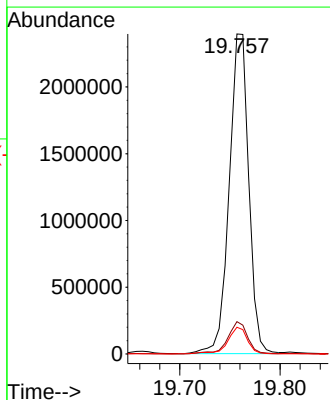
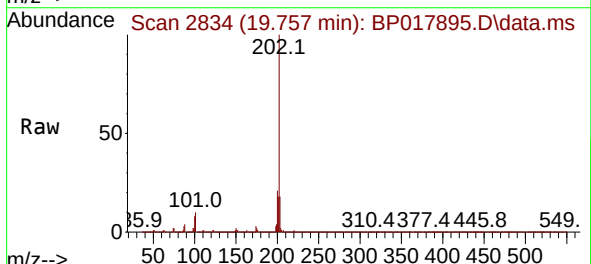
Manual Integrations
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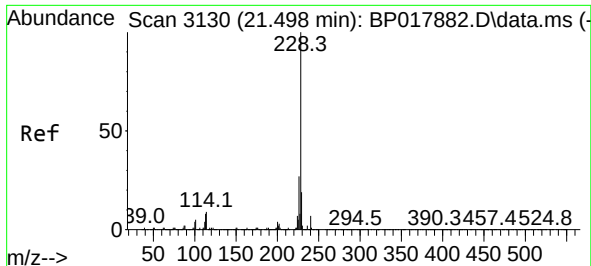
Reviewed By :Yogesh Patel 11/03/2023
Supervised By :mohammad ahmed 11/04/2023



#82
Pyrene
Concen: 48.833 ng/u1
RT: 19.757 min Scan# 2834
Delta R.T. -0.006 min
Lab File: BP017895.D
Acq: 02 Nov 2023 20:02

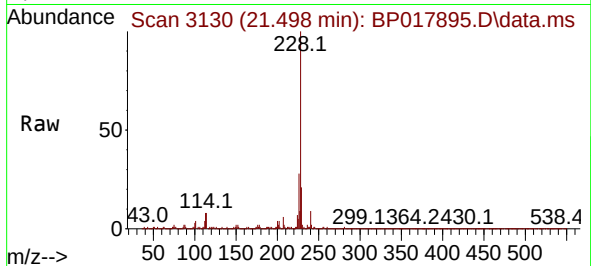
Tgt Ion:202 Resp: 3251128
Ion Ratio Lower Upper
202 100
101 10.1 8.3 12.5
100 8.3 7.4 11.0





#85
Benzo(a)anthracene
Concen: 22.761 ng/ul
RT: 21.498 min Scan# 3130
Delta R.T. -0.000 min
Lab File: BP017895.D
Acq: 02 Nov 2023 20:02

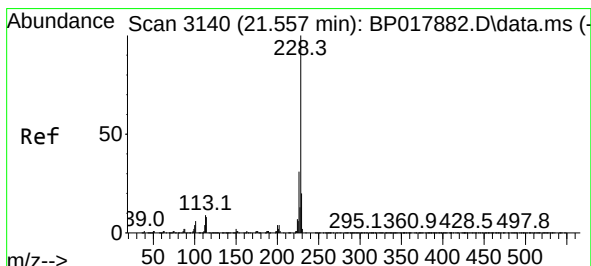
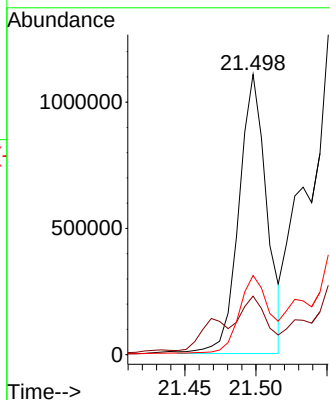
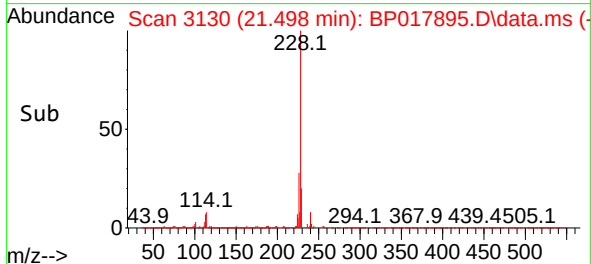
Instrument :
BNA_P
ClientSampleId :
DCKG2



Tgt Ion:228 Resp: 1509554
Ion Ratio Lower Upper
228 100
229 20.9 15.6 23.4
226 28.3 21.1 31.7

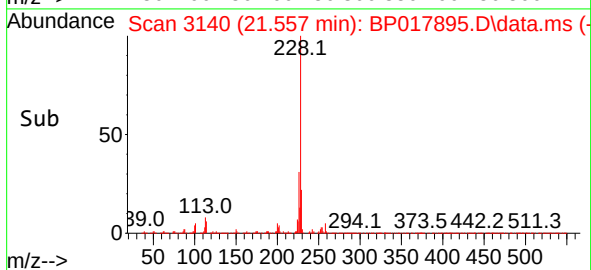
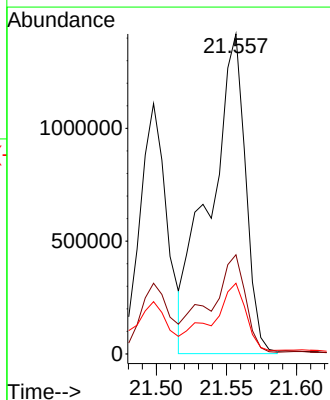
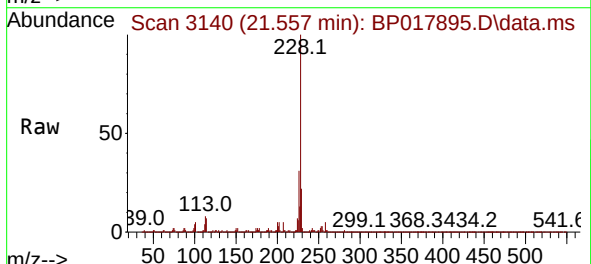
Manual Integrations
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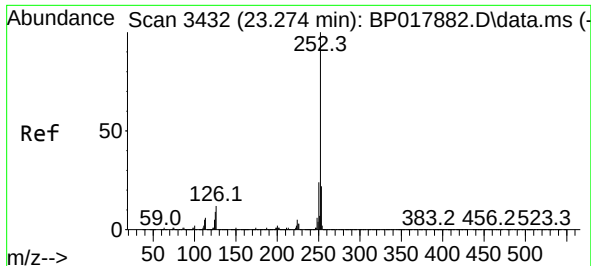
Reviewed By :Yogesh Patel 11/03/2023
Supervised By :mohammad ahmed 11/04/2023



#87
Chrysene
Concen: 40.126 ng/ul m
RT: 21.557 min Scan# 3140
Delta R.T. -0.000 min
Lab File: BP017895.D
Acq: 02 Nov 2023 20:02

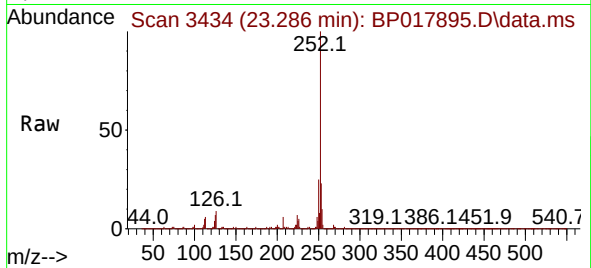
Tgt Ion:228 Resp: 2516570
Ion Ratio Lower Upper
228 100
226 31.0 24.0 36.0
229 22.1 15.5 23.3





#90
Benzo(b)fluoranthene
Concen: 62.354 ng/ul
RT: 23.286 min Scan# 3432
Delta R.T. 0.012 min
Lab File: BP017895.D
Acq: 02 Nov 2023 20:02

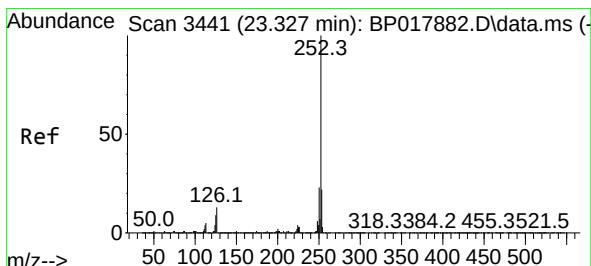
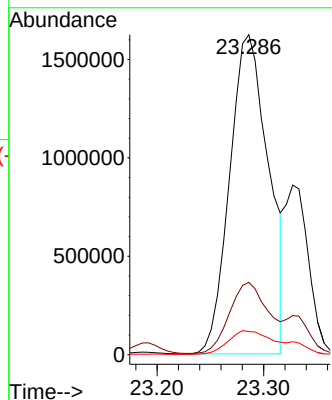
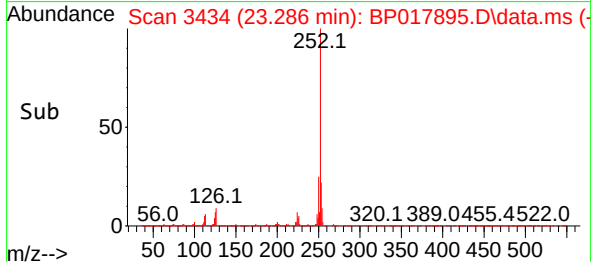
Instrument :
BNA_P
ClientSampleId :
DCKG2



Tgt Ion:252 Resp: 411386
Ion Ratio Lower Upper
252 100
253 22.6 17.4 26.0
125 7.2 7.1 10.7

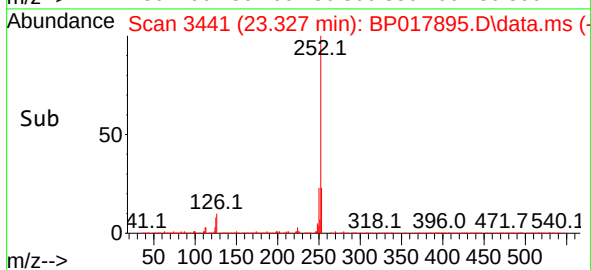
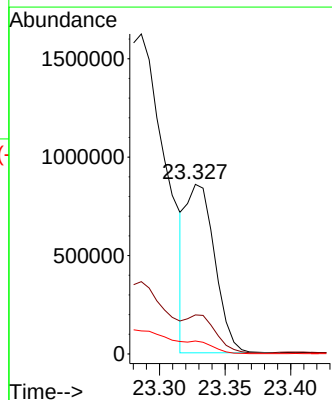
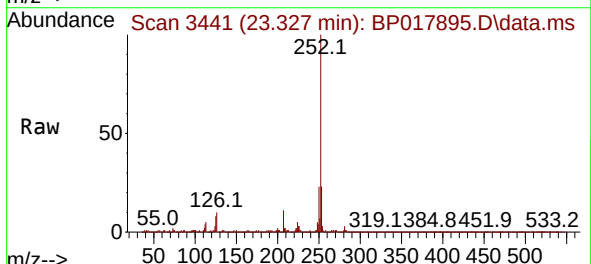
Manual Integrations
APPROVED

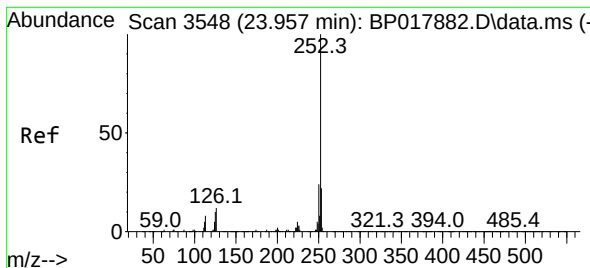
Reviewed By :Yogesh Patel 11/03/2023
Supervised By :mohammad ahmed 11/04/2023



#91
Benzo(k)fluoranthene
Concen: 19.382 ng/ul
RT: 23.327 min Scan# 3441
Delta R.T. -0.000 min
Lab File: BP017895.D
Acq: 02 Nov 2023 20:02

Tgt Ion:252 Resp: 1295999
Ion Ratio Lower Upper
252 100
253 23.0 17.5 26.3
125 7.7 7.0 10.6





#93

Benzo(a)pyrene

Concen: 23.930 ng/ul

RT: 23.957 min Scan# 3

Delta R.T. -0.000 min

Lab File: BP017895.D

Acq: 02 Nov 2023 20:02

Instrument :

BNA_P

ClientSampleId :

DCKG2

Tgt Ion:252 Resp: 148216

Ion Ratio Lower Upper

252 100

253 23.3 17.4 26.2

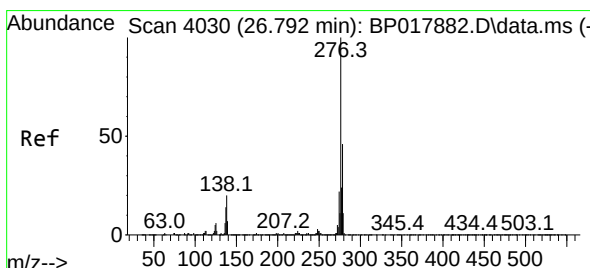
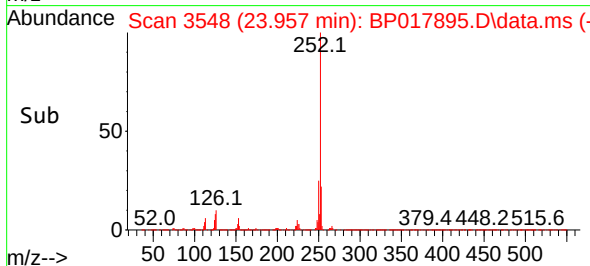
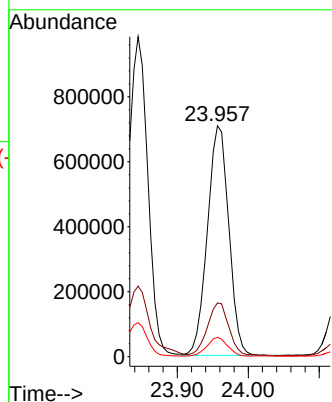
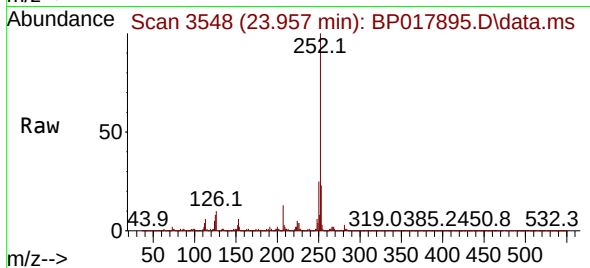
125 8.4 7.8 11.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/03/2023

Supervised By :mohammad ahmed 11/04/2023



#94

Indeno(1,2,3-cd)pyrene

Concen: 15.065 ng/ul

RT: 26.780 min Scan# 4028

Delta R.T. -0.000 min

Lab File: BP017895.D

Acq: 02 Nov 2023 20:02

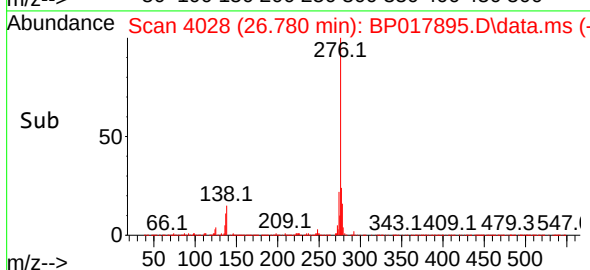
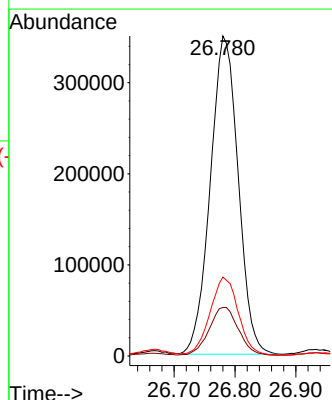
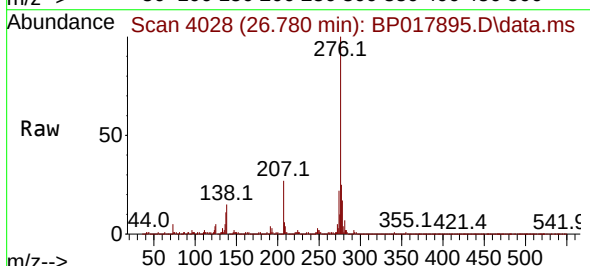
Tgt Ion:276 Resp: 1112066

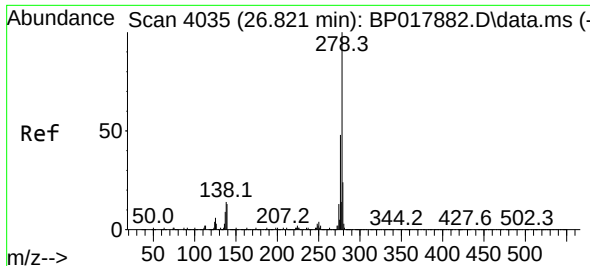
Ion Ratio Lower Upper

276 100

138 15.1 15.6 23.4#

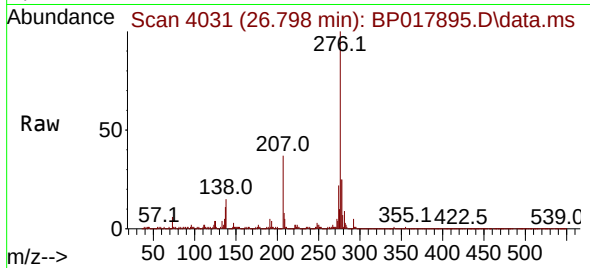
277 24.6 19.4 29.2





#95
 Dibenzo(a,h)anthracene
 Concen: 4.954 ng/ul m
 RT: 26.798 min Scan# 4035
 Delta R.T. -0.012 min
 Lab File: BP017895.D
 Acq: 02 Nov 2023 20:02

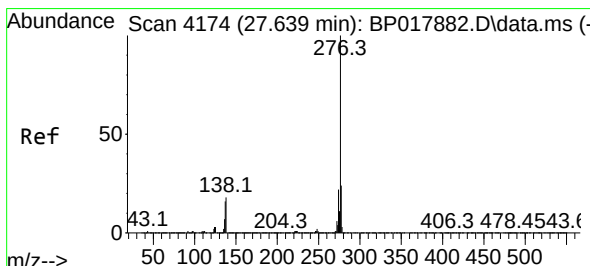
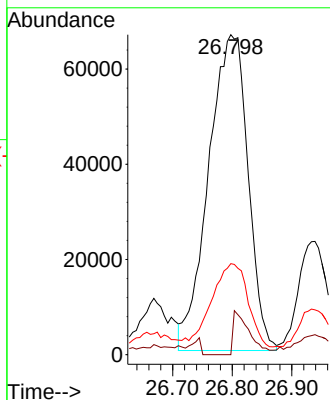
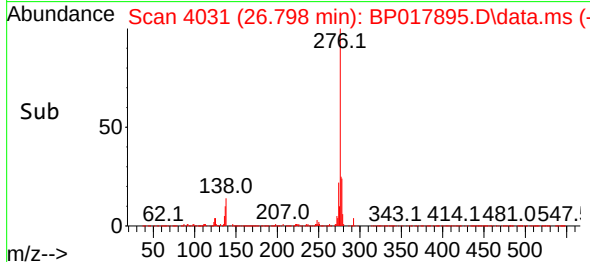
Instrument :
 BNA_P
 ClientSampleId :
 DCKG2



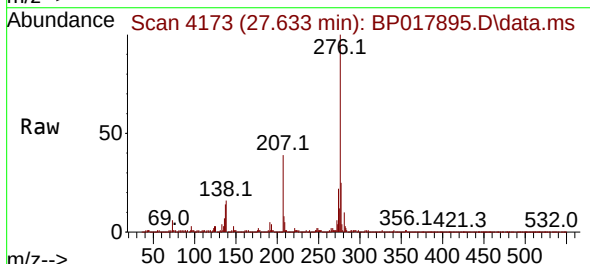
Tgt Ion:278 Resp: 305120
 Ion Ratio Lower Upper
 278 100
 139 0.0 11.4 17.2
 279 28.4 18.8 28.2

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/03/2023
 Supervised By :mohammad ahmed 11/04/2023



#96
 Benzo(g,h,i)perylene
 Concen: 14.690 ng/ul
 RT: 27.633 min Scan# 4173
 Delta R.T. 0.006 min
 Lab File: BP017895.D
 Acq: 02 Nov 2023 20:02



Tgt Ion:276 Resp: 873715
 Ion Ratio Lower Upper
 276 100
 138 16.1 15.0 22.6
 277 24.7 18.5 27.7

