

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110723\
 Data File : BP017978.D
 Acq On : 09 Nov 2023 00:47
 Operator : MA/JU
 Sample : 05060-08
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DCKG6

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/09/2023
 Supervised By :mohammad ahmed 11/11/2023

Quant Time: Nov 09 01:41:49 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP110623.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Nov 07 03:40:56 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.852	152	74756	20.000	ng/u1	-0.01
20) Naphthalene-d8	10.663	136	318215	20.000	ng/u1	-0.02
38) Acenaphthene-d10	14.516	164	197633	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.287	188	433637	20.000	ng/u1	-0.01
79) Chrysene-d12	21.410	240	382468	20.000	ng/u1	0.00
88) Perylene-d12	23.886	264	418817	20.000	ng/u1	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.246	96	3378	1.729	ng/uL	0.00
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	7.022	99	59908	8.546	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.205	67	40309	9.532	ng/u1	0.00
11) 2-Chlorophenol-d4	7.375	132	50708	9.413	ng/u1	-0.01
15) 4-Methylphenol-d8	8.581	113	41729	7.202	ng/u1	0.00
21) Nitrobenzene-d5	9.058	128	24211	9.521	ng/u1	0.00
24) 2-Nitrophenol-d4	9.769	143	27340	9.334	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.305	165	48795	9.087	ng/u1	0.00
31) 4-Chloroaniline-d4	10.857	131	27241m	3.501	ng/u1	0.00
46) Dimethylphthalate-d6	13.934	166	187374	10.812	ng/u1	-0.01
49) Acenaphthylene-d8	14.210	160	197673	10.395	ng/u1	-0.01
54) 4-Nitrophenol-d4	14.793	143	14707m	5.520	ng/u1	0.02
60) Fluorene-d10	15.510	176	159242	10.979	ng/u1	-0.01
65) 4,6-Dinitro-2-methylph...	15.669	200	18907	5.962	ng/u1	0.00
73) Anthracene-d10	17.387	188	236164	10.475	ng/u1	-0.01
81) Pyrene-d10	19.639	212	288163	11.869	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.721	264	259248	11.078	ng/u1	-0.01
Target Compounds					Qvalue	
30) Naphthalene	10.716	128	124450	6.738	ng/u1	98
36) 2-Methylnaphthalene	12.328	142	59717	4.739	ng/u1	97
37) 1-Methylnaphthalene	12.552	142	15156	1.164	ng/u1	90
50) Acenaphthylene	14.246	152	55114	2.590	ng/u1	98
52) Acenaphthene	14.581	153	59700	4.232	ng/u1	97
61) Fluorene	15.569	166	299025	18.125	ng/u1	98
72) Phenanthrene	17.334	178	1228264	48.172	ng/u1	100
74) Anthracene	17.428	178	2505494	96.671	ng/u1	99
80) Fluoranthene	19.310	202	1782466	62.908	ng/u1	99
82) Pyrene	19.669	202	1626328	55.029	ng/u1	99
85) Benzo(a)anthracene	21.392	228	932158	31.647	ng/u1	99
87) Chrysene	21.445	228	1027213	37.608	ng/u1	98
90) Benzo(b)fluoranthene	23.122	252	1029097	35.600	ng/u1	99
91) Benzo(k)fluoranthene	23.163	252	351940	12.141	ng/u1	98
93) Benzo(a)pyrene	23.774	252	482323	17.949	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	26.510	276	253200	7.911	ng/u1	98
95) Dibenzo(a,h)anthracene	26.527	278	70196m	2.637	ng/u1	
96) Benzo(g,h,i)perylene	27.333	276	213266	8.370	ng/u1	98

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

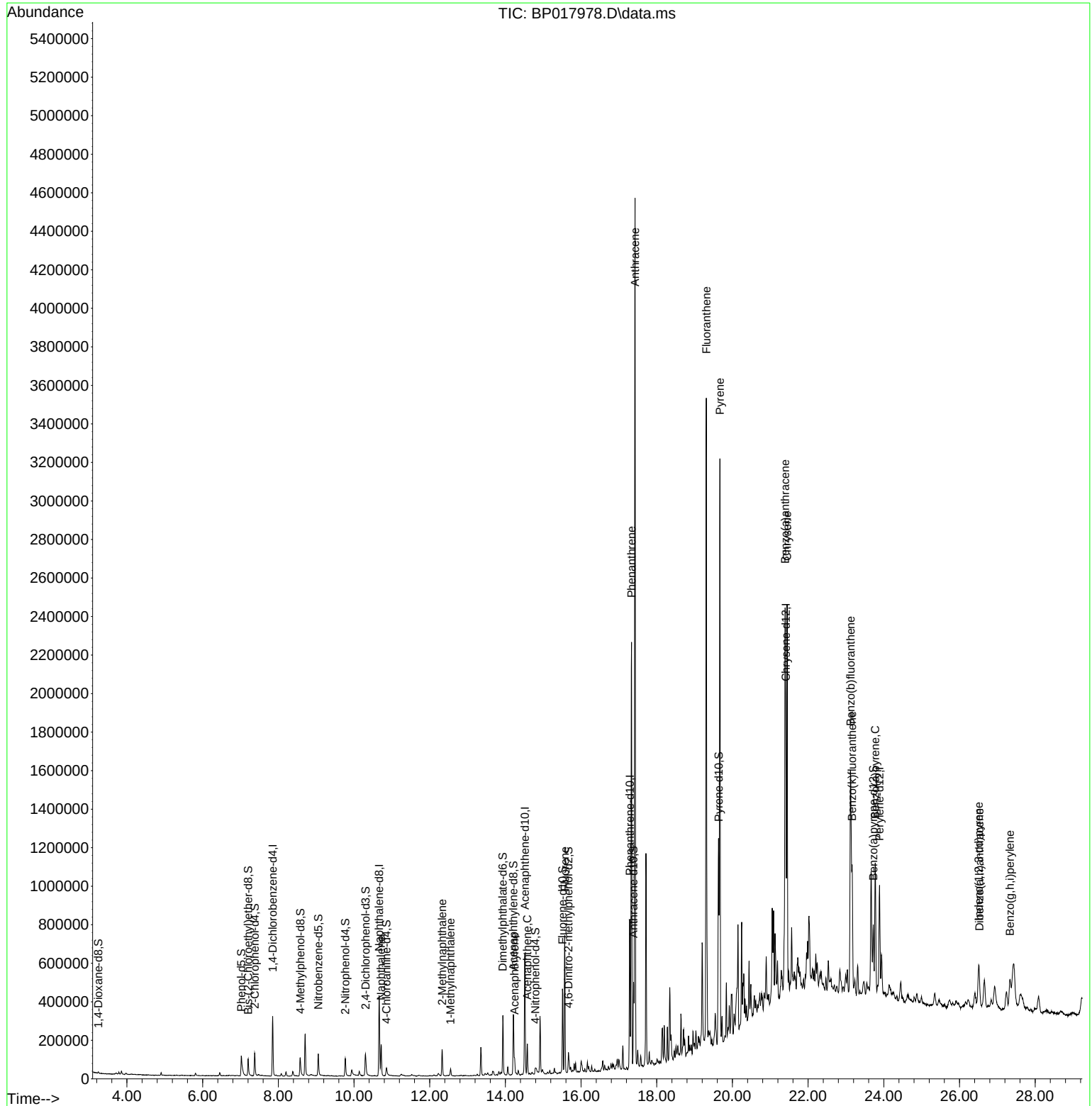
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110723\
Data File : BP017978.D
Acq On : 09 Nov 2023 00:47
Operator : MA/JU
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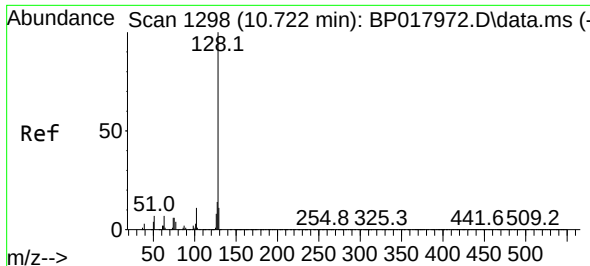
Instrument :
BNA_P
ClientSampleId :
DCKG6

Quant Time: Nov 09 01:41:49 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP110623.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 07 03:40:56 2023
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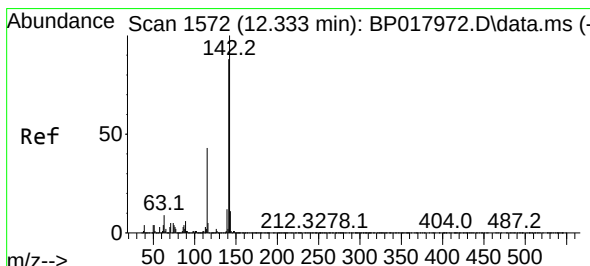
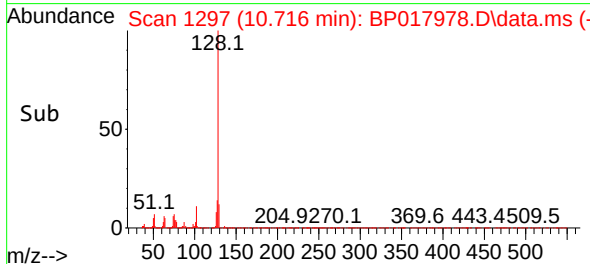
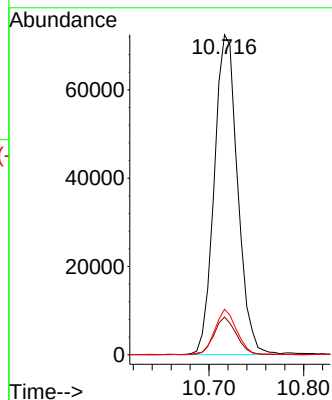
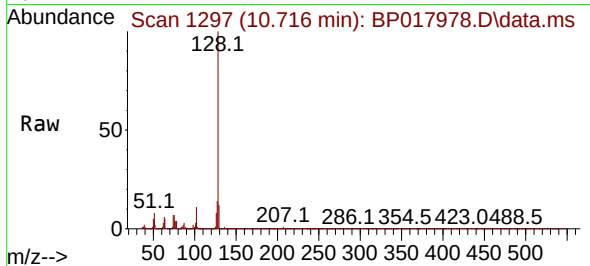
#30
Naphthalene
Concen: 6.738 ng/ul
RT: 10.716 min Scan# 1297
Delta R.T. -0.012 min
Lab File: BP017978.D
Acq: 09 Nov 2023 00:47

Instrument :
BNA_P
ClientSampleId :
DCKG6

Tgt Ion:128 Resp: 124450
Ion Ratio Lower Upper
128 100
129 11.8 9.1 13.7
127 14.2 10.6 15.8

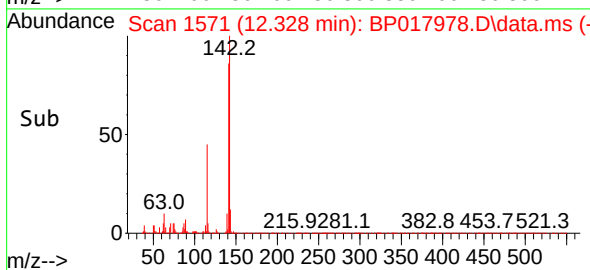
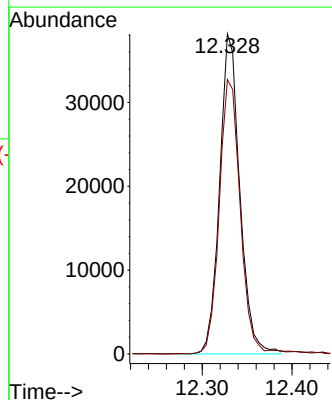
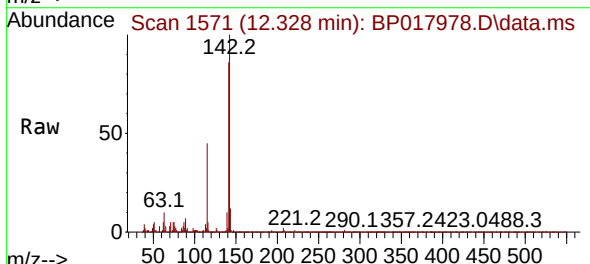
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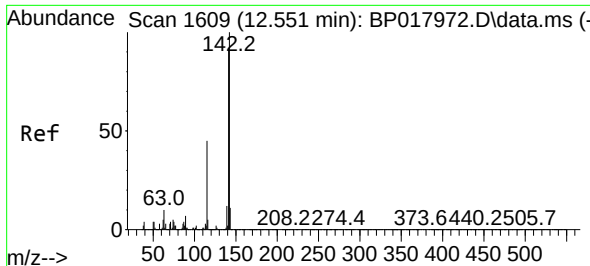
Reviewed By :Yogesh Patel 11/09/2023
Supervised By :mohammad ahmed 11/11/2023



#36
2-Methylnaphthalene
Concen: 4.739 ng/ul
RT: 12.328 min Scan# 1571
Delta R.T. -0.012 min
Lab File: BP017978.D
Acq: 09 Nov 2023 00:47

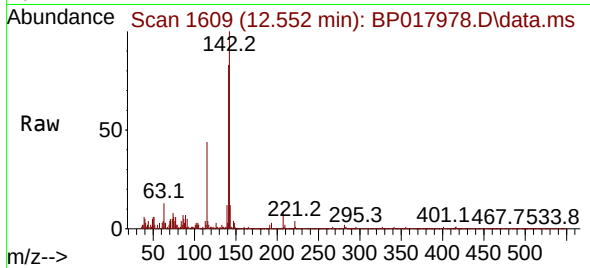
Tgt Ion:142 Resp: 59717
Ion Ratio Lower Upper
142 100
141 85.7 70.9 106.3





#37
1-Methylnaphthalene
Concen: 1.164 ng/ul
RT: 12.552 min Scan# 1609
Delta R.T. -0.012 min
Lab File: BP017978.D
Acq: 09 Nov 2023 00:47

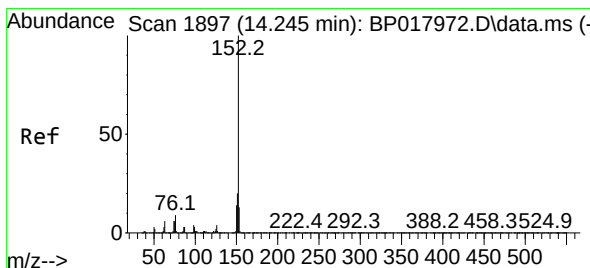
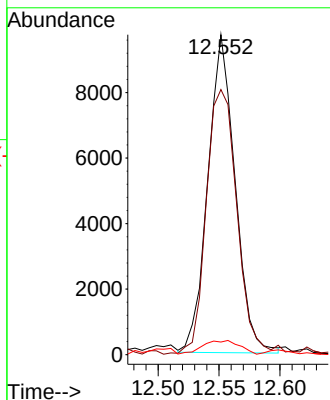
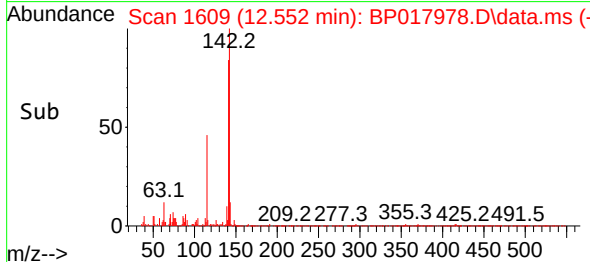
Instrument :
BNA_P
ClientSampleId :
DCKG6



Tgt Ion:142 Resp: 15150
Ion Ratio Lower Upper
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141 82.9 74.3 111.5
116 4.0 3.6 5.4

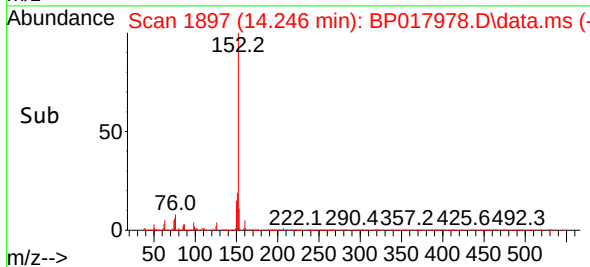
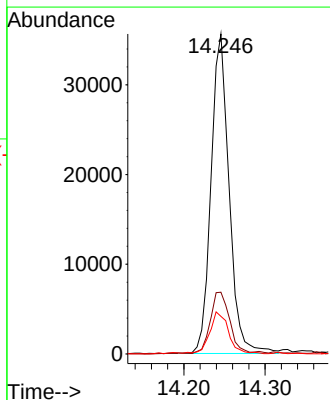
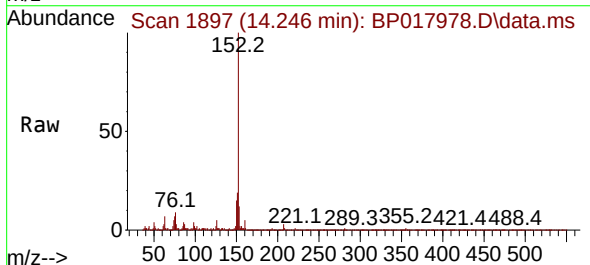
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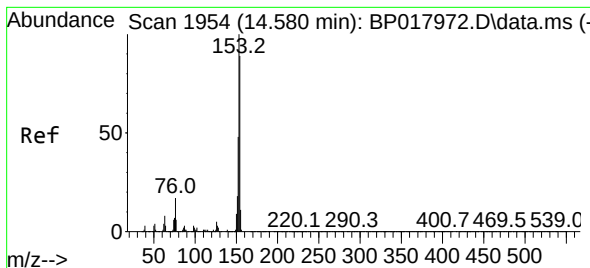
Reviewed By :Yogesh Patel 11/09/2023
Supervised By :mohammad ahmed 11/11/2023



#50
Acenaphthylene
Concen: 2.590 ng/ul
RT: 14.246 min Scan# 1897
Delta R.T. -0.006 min
Lab File: BP017978.D
Acq: 09 Nov 2023 00:47

Tgt Ion:152 Resp: 55114
Ion Ratio Lower Upper
152 100
151 19.3 15.9 23.9
153 11.7 10.4 15.6





#52

Acenaphthene

Concen: 4.232 ng/ul

RT: 14.581 min Scan# 1954

Delta R.T. -0.006 min

Lab File: BP017978.D

Acq: 09 Nov 2023 00:47

Instrument :

BNA_P

ClientSampleId :

DCKG6

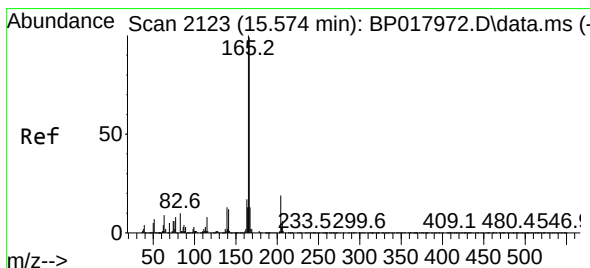
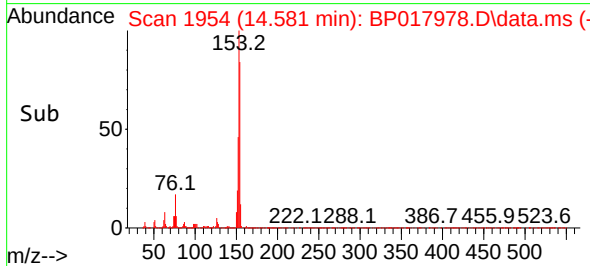
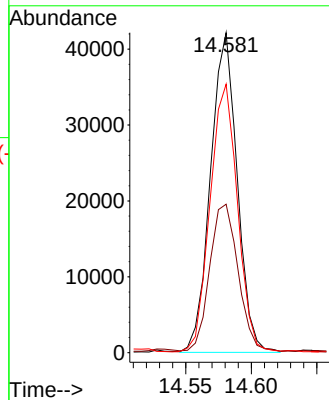
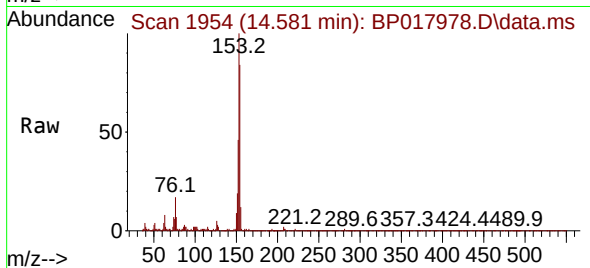
Tgt Ion:	153	Resp:	59700
Ion Ratio	Lower	Upper	
153	100		
152	46.4	37.7	56.5
154	83.9	70.4	105.6

Manual Integrations

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Reviewed By :Yogesh Patel 11/09/2023

Supervised By :mohammad ahmed 11/11/2023



#61

Fluorene

Concen: 18.125 ng/ul

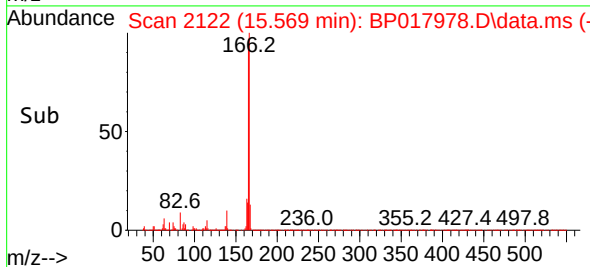
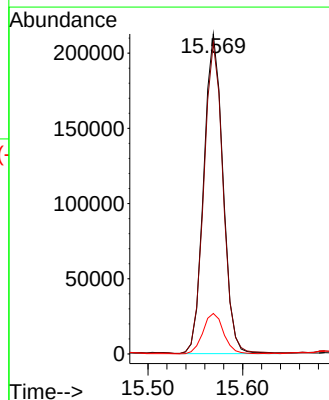
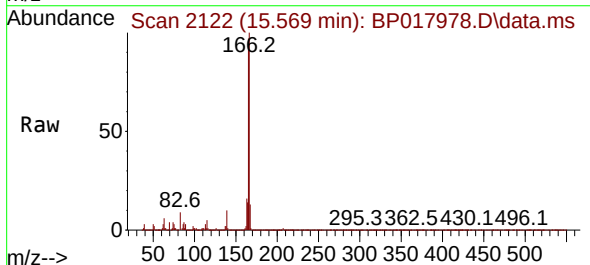
RT: 15.569 min Scan# 2122

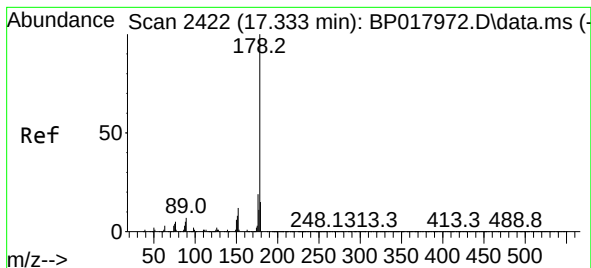
Delta R.T. -0.012 min

Lab File: BP017978.D

Acq: 09 Nov 2023 00:47

Tgt Ion:	166	Resp:	299025
Ion Ratio	Lower	Upper	
166	100		
165	97.3	79.8	119.6
167	12.7	10.9	16.3





#72

Phenanthrene

Concen: 48.172 ng/ul

RT: 17.334 min Scan# 2422

Delta R.T. -0.006 min

Lab File: BP017978.D

Acq: 09 Nov 2023 00:47

Instrument :

BNA_P

ClientSampleId :

DCKG6

Tgt Ion:178 Resp: 1228264

Ion Ratio Lower Upper

178 100

179 15.5 12.3 18.5

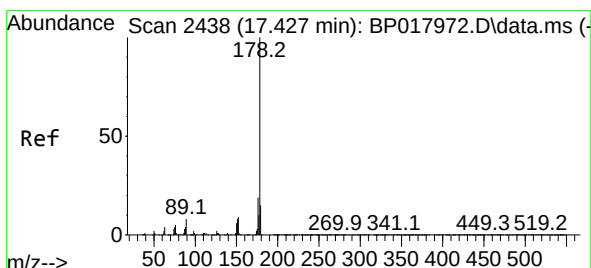
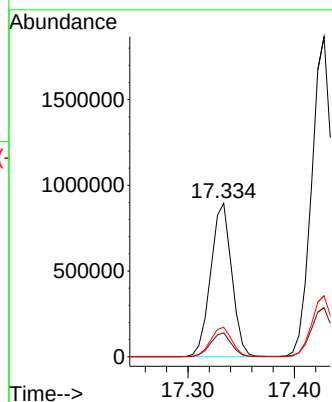
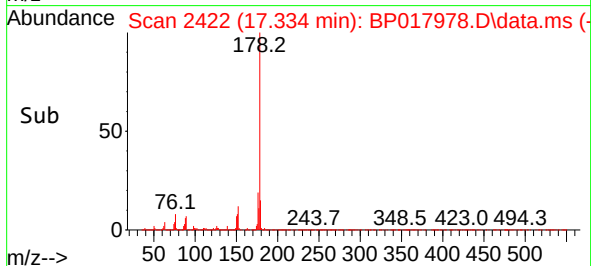
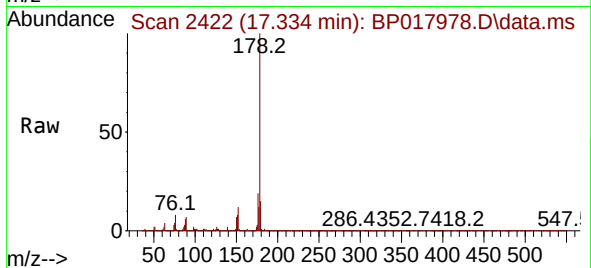
176 19.2 15.2 22.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/09/2023

Supervised By :mohammad ahmed 11/11/2023



#74

Anthracene

Concen: 96.671 ng/ul

RT: 17.428 min Scan# 2438

Delta R.T. -0.006 min

Lab File: BP017978.D

Acq: 09 Nov 2023 00:47

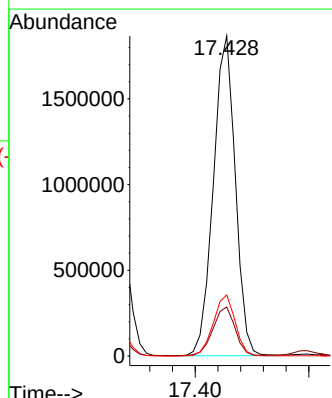
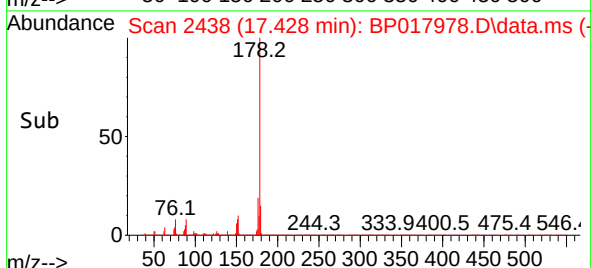
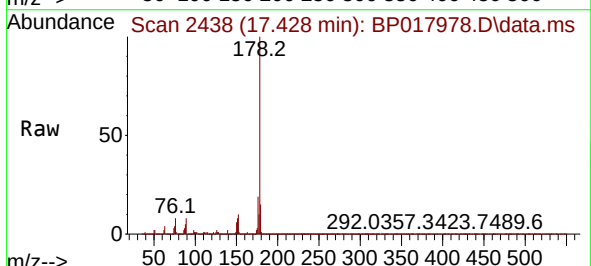
Tgt Ion:178 Resp: 2505494

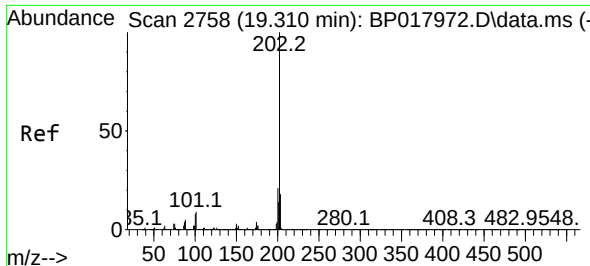
Ion Ratio Lower Upper

178 100

179 15.3 12.5 18.7

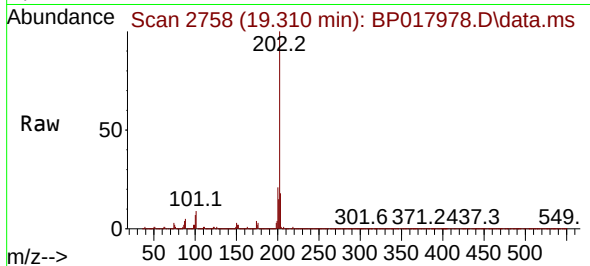
176 19.1 14.9 22.3





#80
Fluoranthene
Concen: 62.908 ng/u1
RT: 19.310 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP017978.D
Acq: 09 Nov 2023 00:47

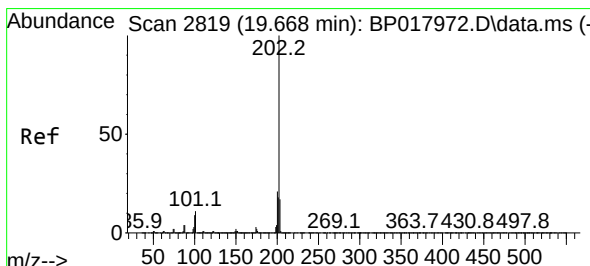
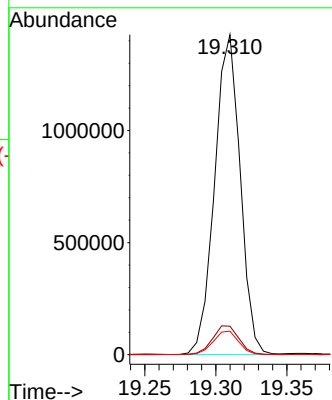
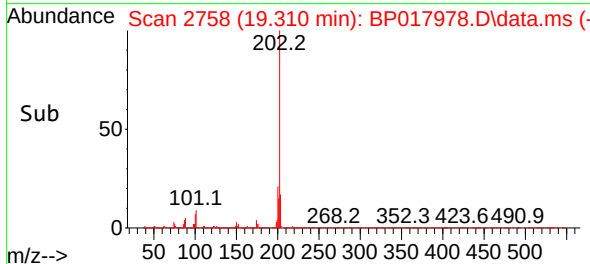
Instrument :
BNA_P
ClientSampleId :
DCKG6



Tgt Ion:202 Resp: 1782460
Ion Ratio Lower Upper
202 100
101 8.9 7.1 10.7
100 7.3 5.3 7.9

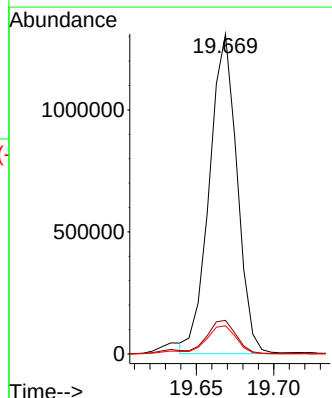
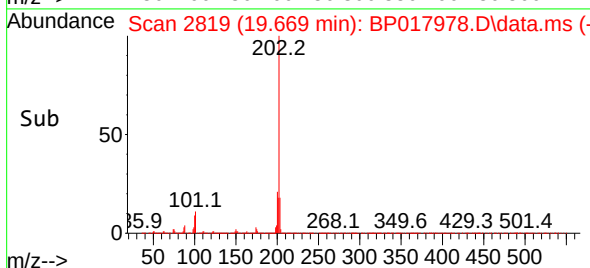
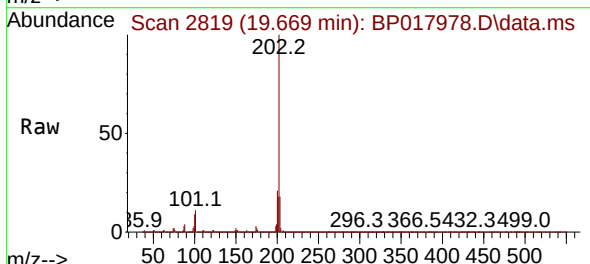
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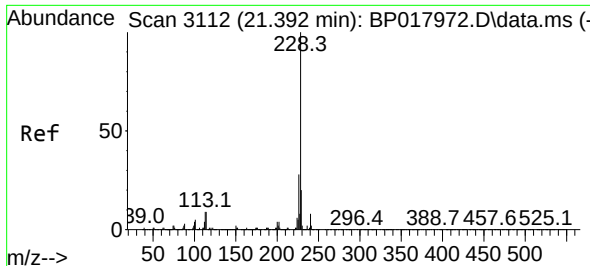
Reviewed By :Yogesh Patel 11/09/2023
Supervised By :mohammad ahmed 11/11/2023



#82
Pyrene
Concen: 55.029 ng/u1
RT: 19.669 min Scan# 2819
Delta R.T. -0.006 min
Lab File: BP017978.D
Acq: 09 Nov 2023 00:47

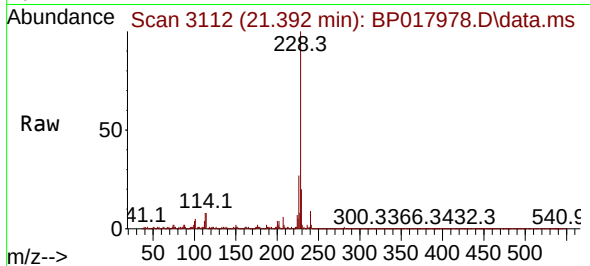
Tgt Ion:202 Resp: 1626328
Ion Ratio Lower Upper
202 100
101 10.5 8.6 12.8
100 8.8 7.3 10.9





#85
Benzo(a)anthracene
Concen: 31.647 ng/ul
RT: 21.392 min Scan# 3112
Delta R.T. -0.006 min
Lab File: BP017978.D
Acq: 09 Nov 2023 00:47

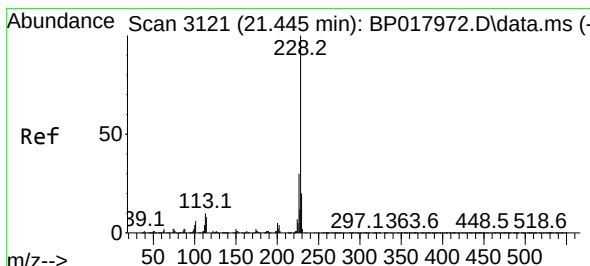
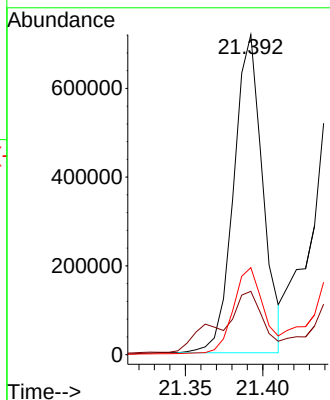
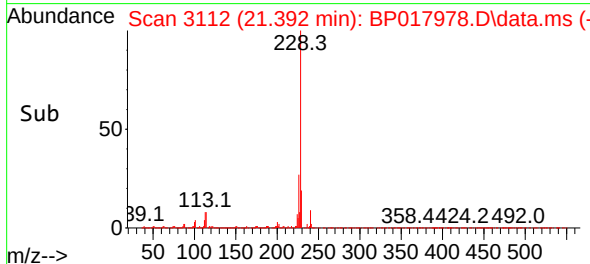
Instrument :
BNA_P
ClientSampleId :
DCKG6



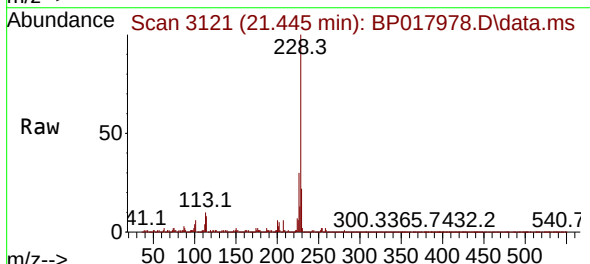
Tgt Ion:228 Resp: 932158
Ion Ratio Lower Upper
228 100
229 19.8 15.4 23.2
226 27.2 21.6 32.4

Manual Integrations
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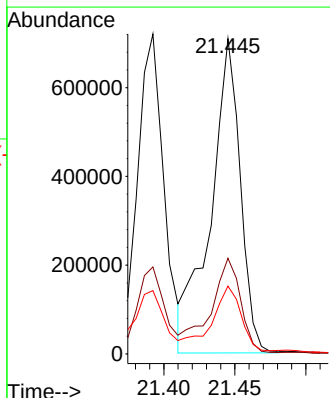
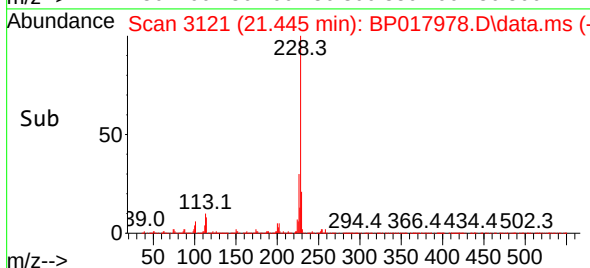
Reviewed By :Yogesh Patel 11/09/2023
Supervised By :mohammad ahmed 11/11/2023

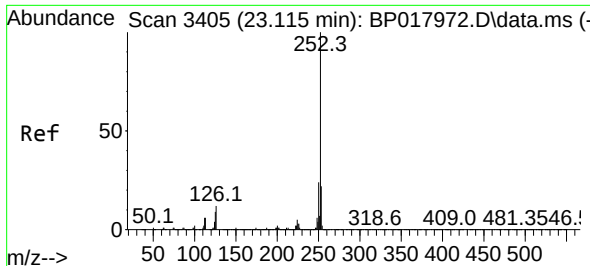


#87
Chrysene
Concen: 37.608 ng/ul
RT: 21.445 min Scan# 3121
Delta R.T. -0.006 min
Lab File: BP017978.D
Acq: 09 Nov 2023 00:47



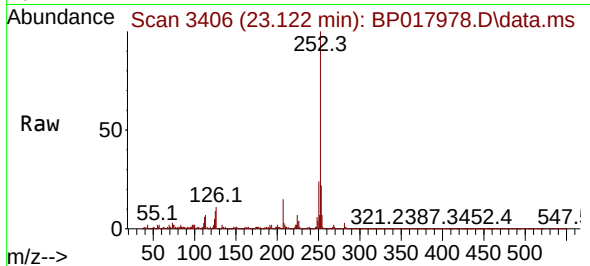
Tgt Ion:228 Resp: 1027213
Ion Ratio Lower Upper
228 100
226 30.4 23.9 35.9
229 21.5 16.1 24.1





#90
Benzo(b)fluoranthene
Concen: 35.600 ng/ul
RT: 23.122 min Scan# 3405
Delta R.T. -0.006 min
Lab File: BP017978.D
Acq: 09 Nov 2023 00:47

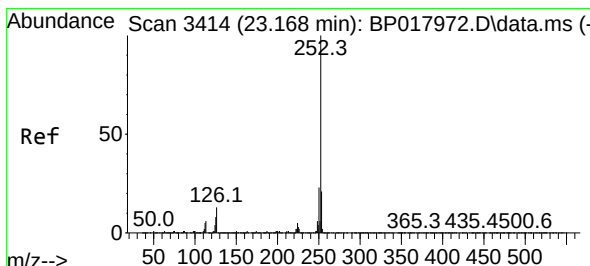
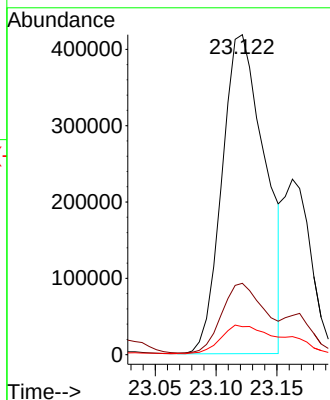
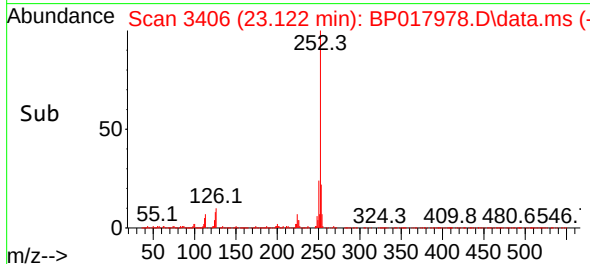
Instrument :
BNA_P
ClientSampleId :
DCKG6



Tgt Ion:252 Resp: 102909
Ion Ratio Lower Upper
252 100
253 22.3 17.9 26.9
125 8.8 6.6 10.0

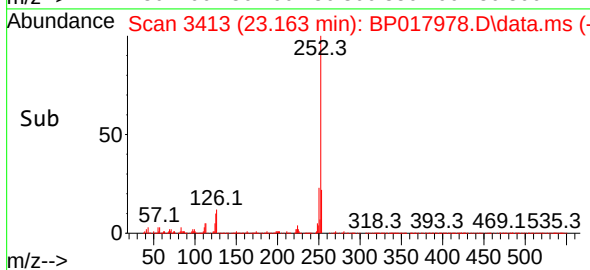
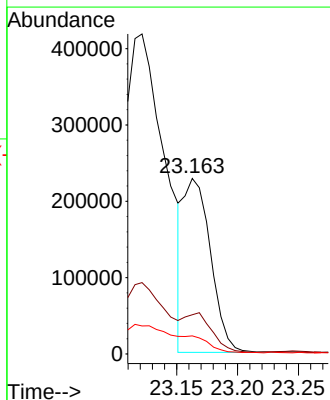
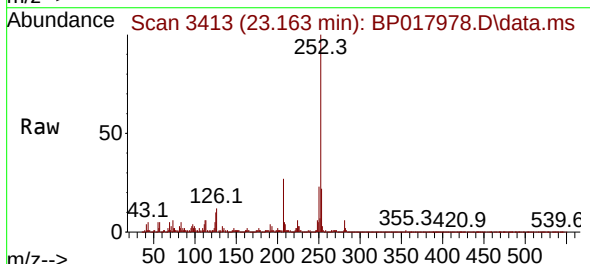
Manual Integrations
APPROVED

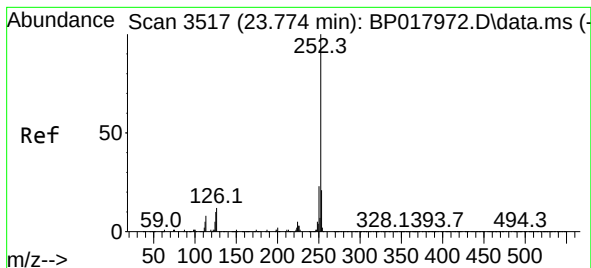
Reviewed By :Yogesh Patel 11/09/2023
Supervised By :mohammad ahmed 11/11/2023



#91
Benzo(k)fluoranthene
Concen: 12.141 ng/ul
RT: 23.163 min Scan# 3413
Delta R.T. -0.012 min
Lab File: BP017978.D
Acq: 09 Nov 2023 00:47

Tgt Ion:252 Resp: 351940
Ion Ratio Lower Upper
252 100
253 22.3 17.2 25.8
125 10.3 7.0 10.6





#93

Benzo(a)pyrene

Concen: 17.949 ng/ul

RT: 23.774 min Scan# 3517

Delta R.T. -0.006 min

Lab File: BP017978.D

Acq: 09 Nov 2023 00:47

Instrument :

BNA_P

ClientSampleId :

DCKG6

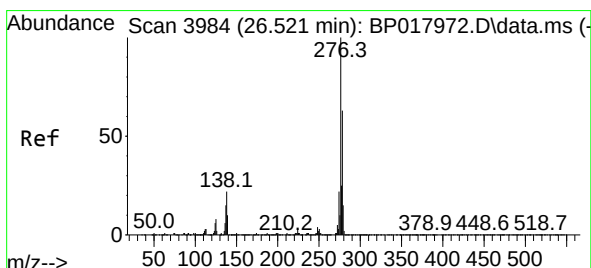
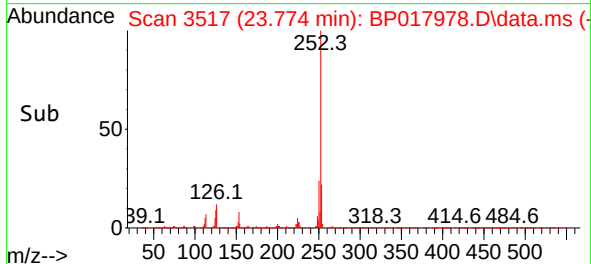
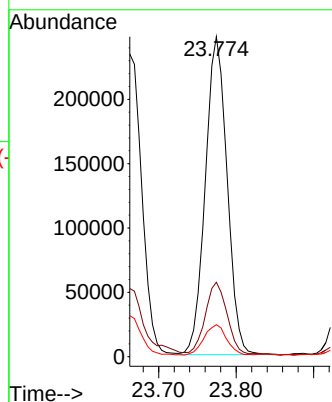
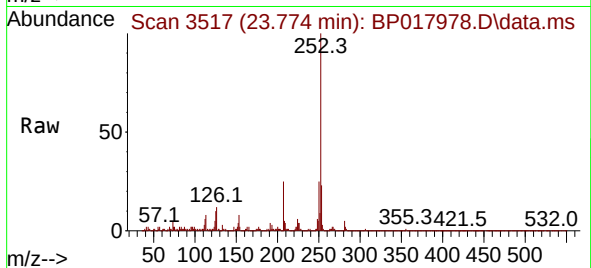
Tgt Ion:	252	Resp:	48232
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.3	25.9
125	10.0	7.5	11.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/09/2023

Supervised By :mohammad ahmed 11/11/2023



#94

Indeno(1,2,3-cd)pyrene

Concen: 7.911 ng/ul

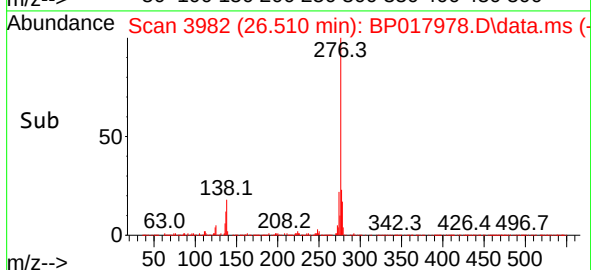
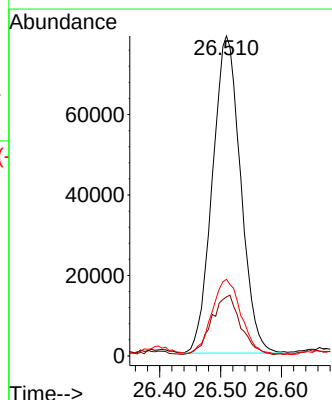
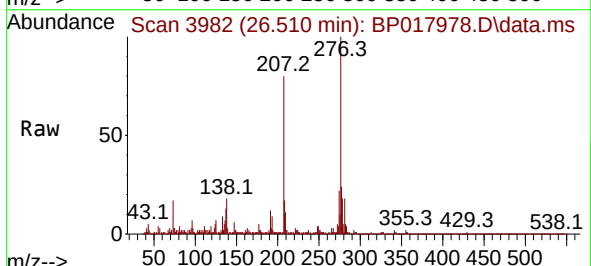
RT: 26.510 min Scan# 3982

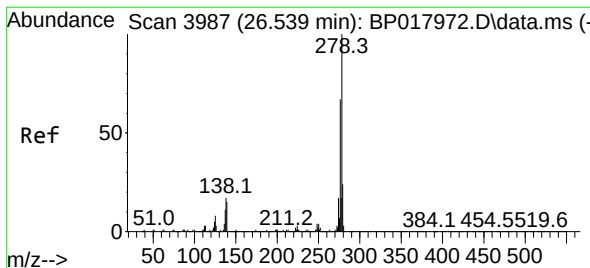
Delta R.T. -0.018 min

Lab File: BP017978.D

Acq: 09 Nov 2023 00:47

Tgt Ion:	276	Resp:	253200
Ion Ratio	Lower	Upper	
276	100		
138	18.4	15.9	23.9
277	24.0	19.5	29.3





#95

Dibenzo(a,h)anthracene

Concen: 2.637 ng/ul m

RT: 26.527 min Scan# 3985

Delta R.T. -0.023 min

Lab File: BP017978.D

Acq: 09 Nov 2023 00:47

Instrument :

BNA_P

ClientSampleId :

DCKG6

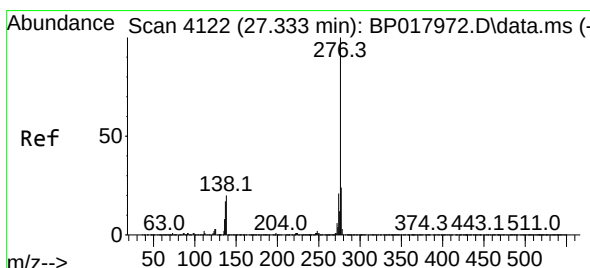
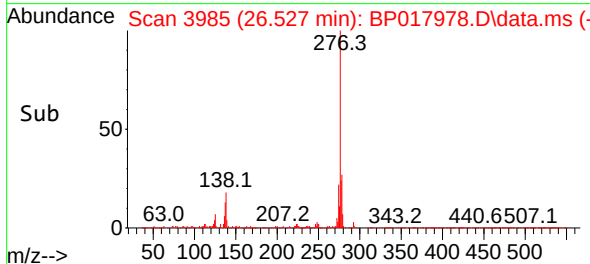
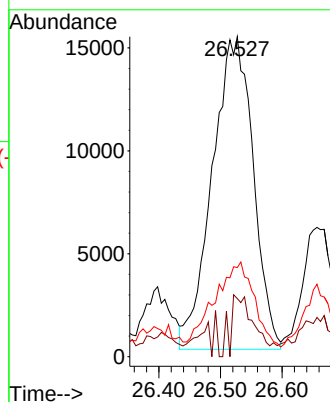
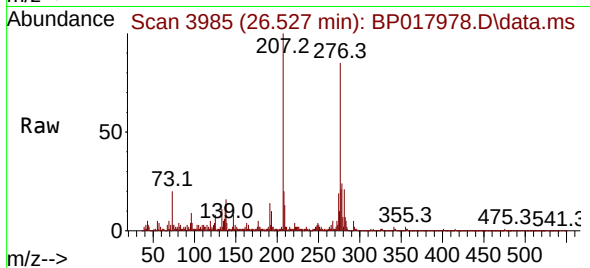
Tgt Ion:	278	Resp:	70190
Ion Ratio	Lower	Upper	
278	100		
139	18.2	11.0	16.4
279	27.8	19.1	28.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/09/2023

Supervised By :mohammad ahmed 11/11/2023



#96

Benzo(g,h,i)perylene

Concen: 8.370 ng/ul

RT: 27.333 min Scan# 4122

Delta R.T. -0.017 min

Lab File: BP017978.D

Acq: 09 Nov 2023 00:47

Tgt Ion:	276	Resp:	213266
Ion Ratio	Lower	Upper	
276	100		
138	17.5	14.7	22.1
277	24.7	19.2	28.8

