

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110923\
 Data File : BP018017.D
 Acq On : 10 Nov 2023 07:59
 Operator : MA/JU
 Sample : 05091-08
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DCKI5

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/14/2023
 Supervised By :mohammad ahmed 11/15/2023

Quant Time: Nov 10 08:30:40 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	7.863	152	94148	20.000	ng/ul	0.00
20) Naphthalene-d8	10.687	136	392105	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.540	164	244476	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.316	188	529062	20.000	ng/ul	0.00
79) Chrysene-d12	21.445	240	477497	20.000	ng/ul	0.00
88) Perylene-d12	23.957	264	527030	20.000	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.252	96	6564	2.387	ng/uL	0.00
4) Pyridine-d5	3.693	84	41626	5.823	ng/ul	0.01
7) Phenol-d5	7.034	99	142996	16.162	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.216	67	84182	15.707	ng/ul	0.00
11) 2-Chlorophenol-d4	7.387	132	111822	15.796	ng/ul	0.00
15) 4-Methylphenol-d8	8.587	113	114862	16.186	ng/ul	0.00
21) Nitrobenzene-d5	9.069	128	55752	15.878	ng/ul	0.00
24) 2-Nitrophenol-d4	9.787	143	63799	16.326	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.310	165	116312	16.614	ng/ul	0.00
31) 4-Chloroaniline-d4	10.869	131	99514	10.373	ng/ul	0.00
46) Dimethylphthalate-d6	13.957	166	401129	17.849	ng/ul	0.00
49) Acenaphthylene-d8	14.240	160	429466	17.825	ng/ul	0.00
54) 4-Nitrophenol-d4	14.804	143	50034	15.201	ng/ul	0.00
60) Fluorene-d10	15.540	176	339422	18.221	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.692	200	51382	13.909	ng/ul	0.00
73) Anthracene-d10	17.422	188	533576	18.822	ng/ul	0.00
81) Pyrene-d10	19.675	212	644353	20.967	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.792	264	595782	19.449	ng/ul	0.00
Target Compounds	Qvalue					
30) Naphthalene	10.734	128	260335	10.950	ng/ul	98
36) 2-Methylnaphthalene	12.351	142	60403	3.717	ng/ul	93
37) 1-Methylnaphthalene	12.575	142	35064	2.118	ng/ul	93
50) Acenaphthylene	14.269	152	76549	2.774	ng/ul	99
52) Acenaphthene	14.604	153	167750	9.149	ng/ul	98
61) Fluorene	15.598	166	253378	11.870	ng/ul	98
71) Pentachlorophenol	16.957	266	4645	1.151	ng/ul#	85
72) Phenanthrene	17.363	178	2124249	64.505	ng/ul	99
74) Anthracene	17.457	178	629257	18.900	ng/ul	98
80) Fluoranthene	19.345	202	4576032	128.652	ng/ul	100
82) Pyrene	19.704	202	3782845	100.626	ng/ul	99
85) Benzo(a)anthracene	21.427	228	1063783	27.712	ng/ul	99
87) Chrysene	21.486	228	1244875m	34.429	ng/ul	
90) Benzo(b)fluoranthene	23.180	252	1479768	39.067	ng/ul	97
91) Benzo(k)fluoranthene	23.227	252	441336m	11.674	ng/ul	
93) Benzo(a)pyrene	23.845	252	547652	15.339	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	26.627	276	382618	9.042	ng/ul	98
95) Dibenzo(a,h)anthracene	26.633	278	113635m	3.248	ng/ul	
96) Benzo(g,h,i)perylene	27.462	276	306803	9.085	ng/ul	98

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

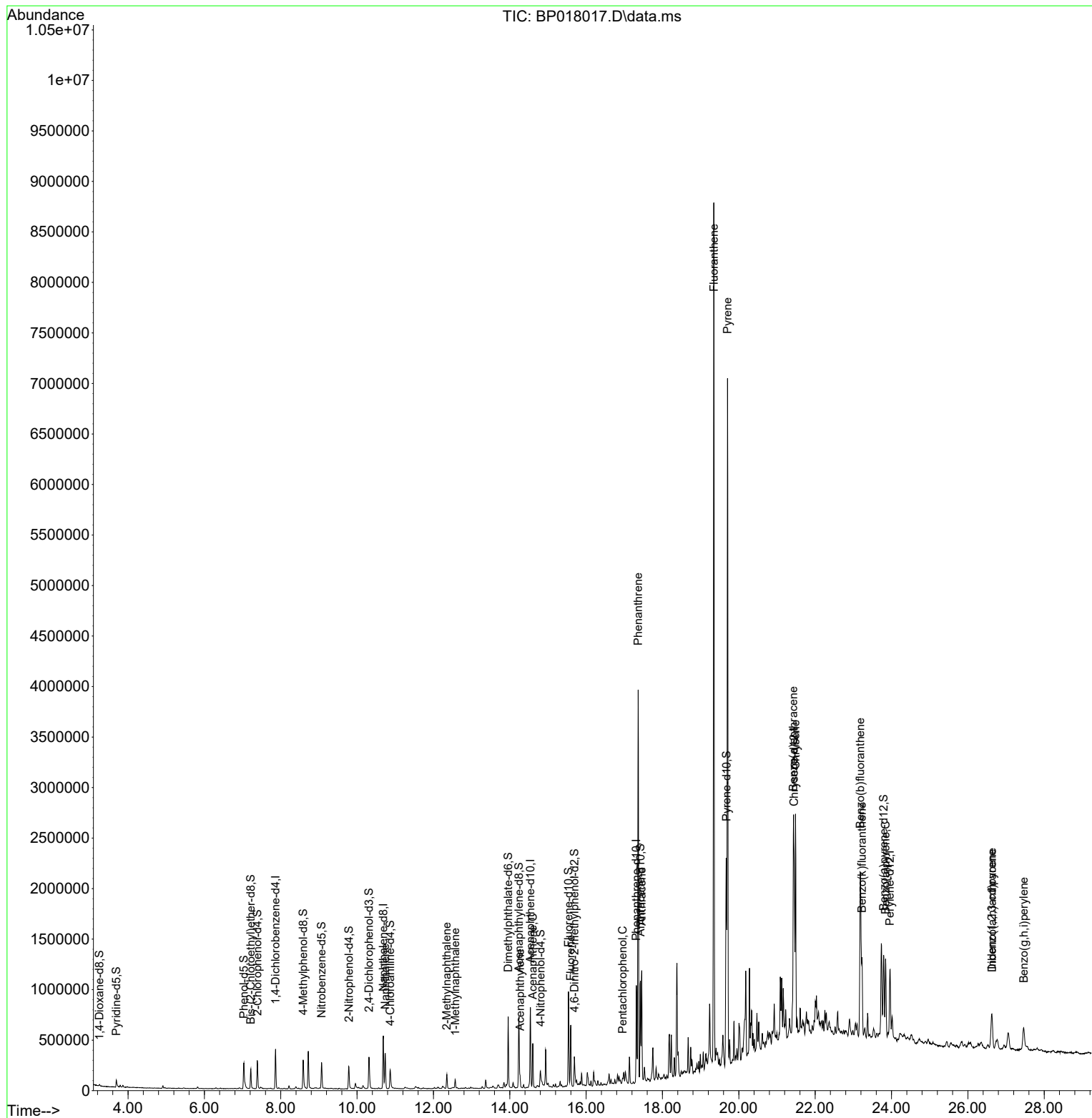
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110923\
Data File : BP018017.D
Acq On : 10 Nov 2023 07:59
Operator : MA/JU
Sample : 05091-08
Misc :
ALS Vial : 24 Sample Multiplier: 1

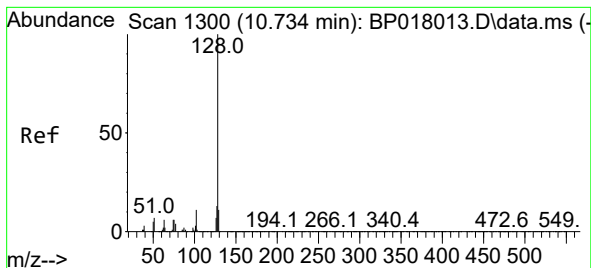
Instrument :
BNA_P
ClientSampleId :
DCKI5

Quant Time: Nov 10 08:30:40 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

Manual Integrations
APPROVED

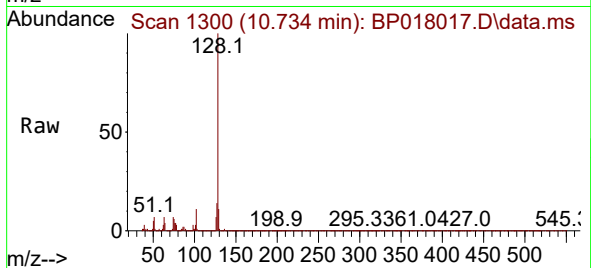
Reviewed By :Yogesh Patel 11/14/2023
Supervised By :mohammad ahmed 11/15/2023





#30
Naphthalene
Concen: 10.950 ng/ul
RT: 10.734 min Scan# 1300
Delta R.T. -0.006 min
Lab File: BP018017.D
Acq: 10 Nov 2023 07:59

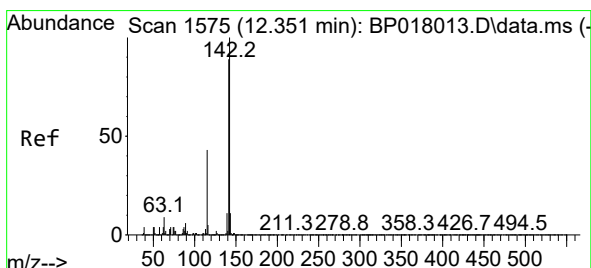
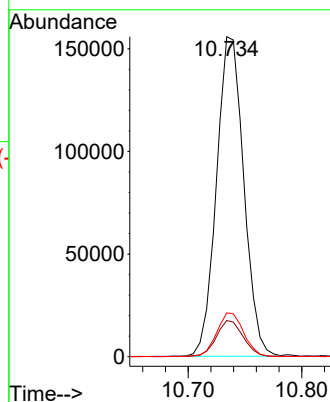
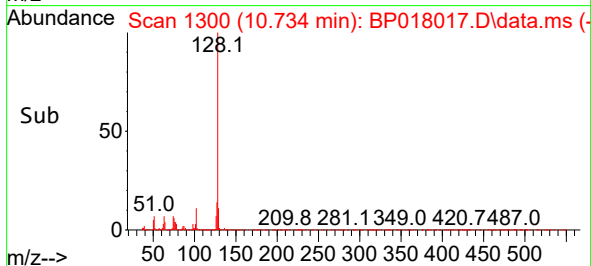
Instrument :
BNA_P
ClientSampleId :
DCKI5



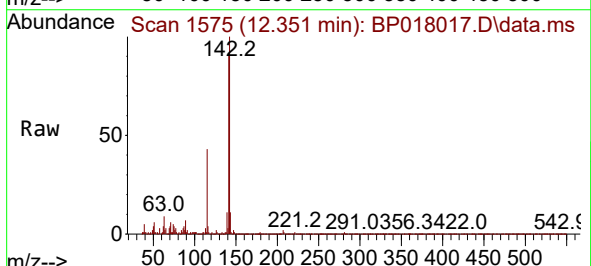
Tgt Ion:128 Resp: 260335
Ion Ratio Lower Upper
128 100
129 11.3 8.6 12.8
127 13.7 10.5 15.7

Manual Integrations
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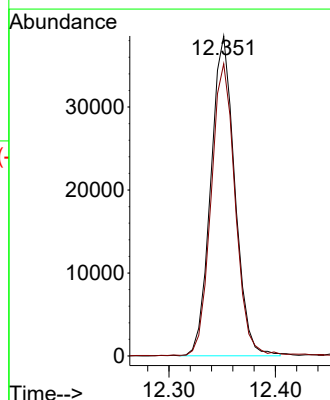
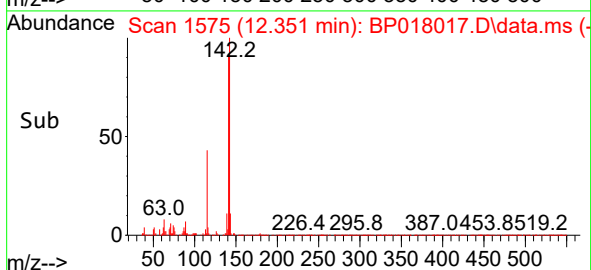
Reviewed By :Yogesh Patel 11/14/2023
Supervised By :mohammad ahmed 11/15/2023

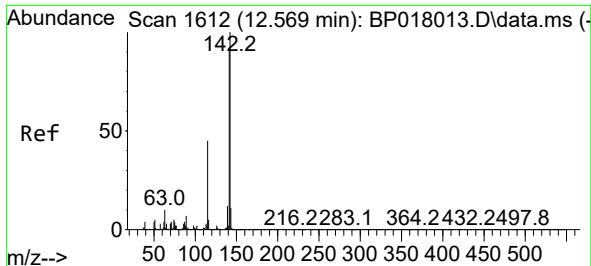


#36
2-Methylnaphthalene
Concen: 3.717 ng/ul
RT: 12.351 min Scan# 1575
Delta R.T. 0.000 min
Lab File: BP018017.D
Acq: 10 Nov 2023 07:59



Tgt Ion:142 Resp: 60403
Ion Ratio Lower Upper
142 100
141 91.3 68.0 102.0





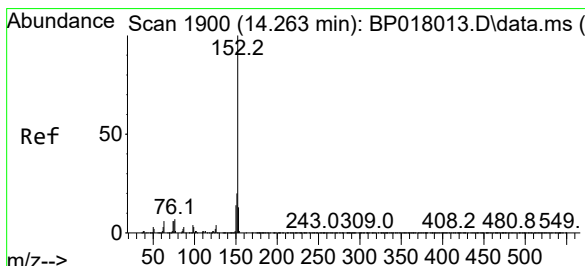
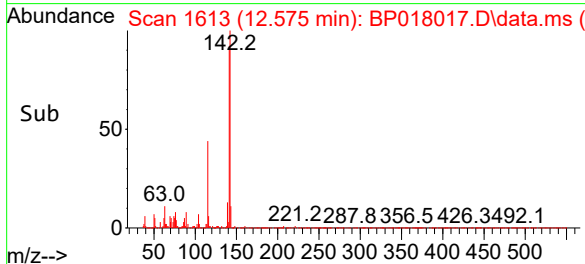
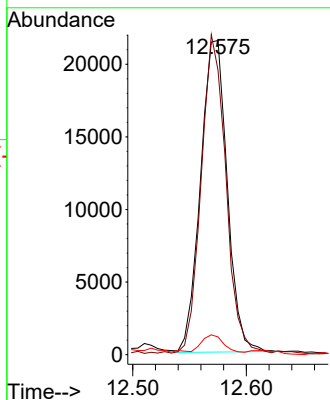
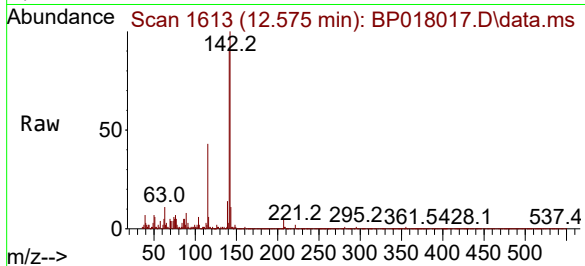
#37
1-Methylnaphthalene
Concen: 2.118 ng/ul
RT: 12.575 min Scan# 1612
Delta R.T. 0.000 min
Lab File: BP018017.D
Acq: 10 Nov 2023 07:59

Instrument :
BNA_P
ClientSampleId :
DCKI5

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.5	77.9	116.9
116	5.6	3.9	5.9

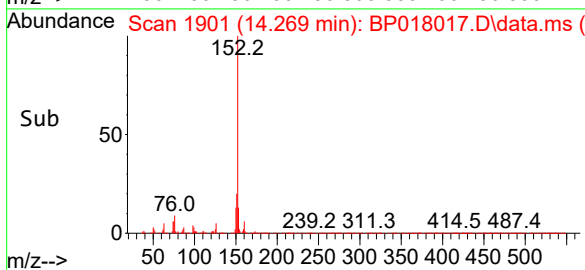
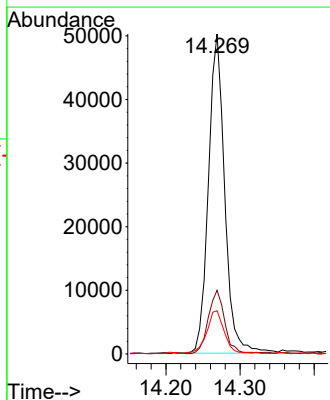
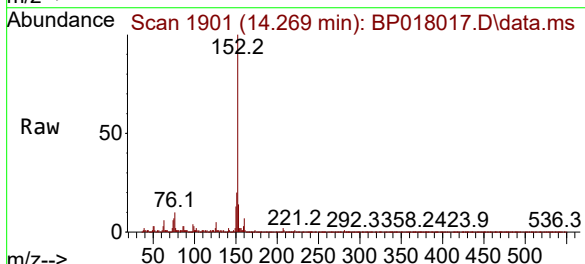
Manual Integrations
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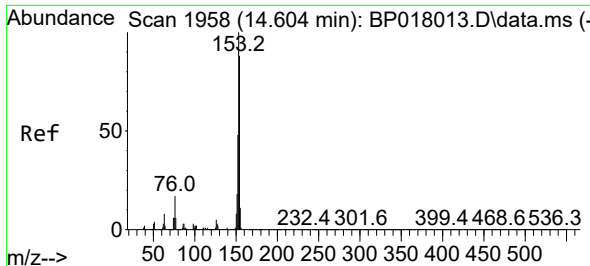
Reviewed By :Yogesh Patel 11/14/2023
Supervised By :mohammad ahmed 11/15/2023



#50
Acenaphthylene
Concen: 2.774 ng/ul
RT: 14.269 min Scan# 1901
Delta R.T. 0.000 min
Lab File: BP018017.D
Acq: 10 Nov 2023 07:59

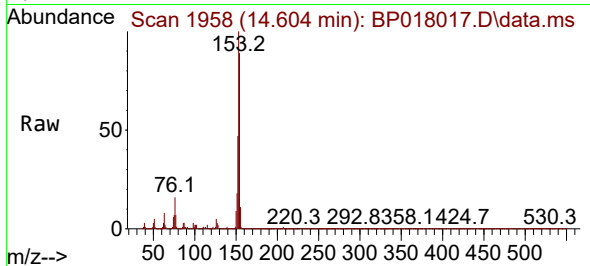
Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.5	23.3
153	13.5	10.3	15.5





#52
Acenaphthene
Concen: 9.149 ng/ul
RT: 14.604 min Scan# 1958
Delta R.T. -0.006 min
Lab File: BP018017.D
Acq: 10 Nov 2023 07:59

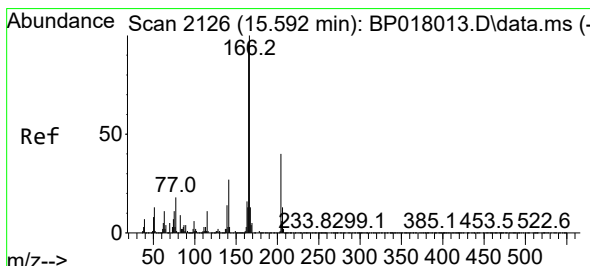
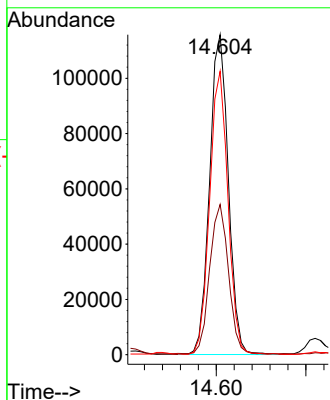
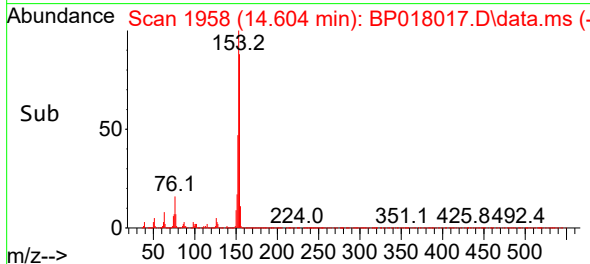
Instrument :
BNA_P
ClientSampleId :
DCKI5



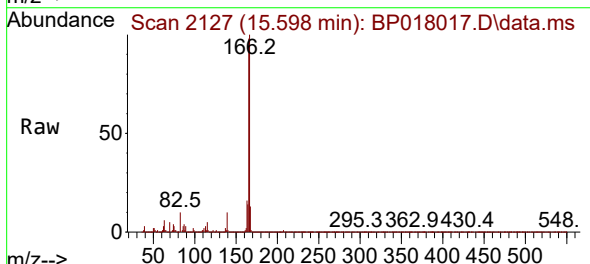
Tgt Ion:153 Resp: 167750
Ion Ratio Lower Upper
153 100
152 46.9 38.2 57.2
154 88.5 68.8 103.2

Manual Integrations
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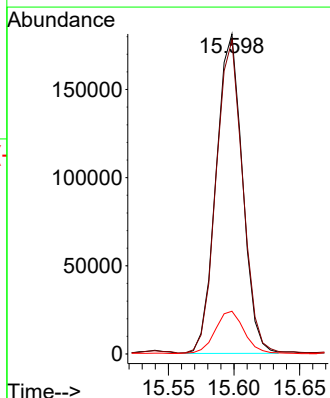
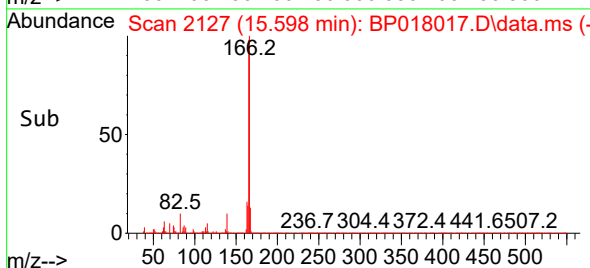
Reviewed By :Yogesh Patel 11/14/2023
Supervised By :mohammad ahmed 11/15/2023

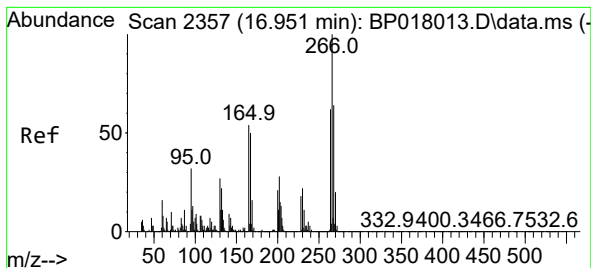


#61
Fluorene
Concen: 11.870 ng/ul
RT: 15.598 min Scan# 2127
Delta R.T. 0.000 min
Lab File: BP018017.D
Acq: 10 Nov 2023 07:59



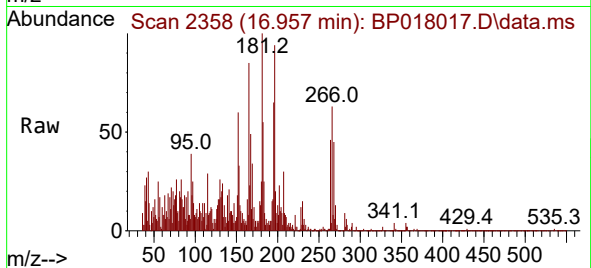
Tgt Ion:166 Resp: 253378
Ion Ratio Lower Upper
166 100
165 98.1 80.2 120.2
167 13.4 11.0 16.4





#71
Pentachlorophenol
Concen: 1.151 ng/ul
RT: 16.957 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP018017.D
Acq: 10 Nov 2023 07:59

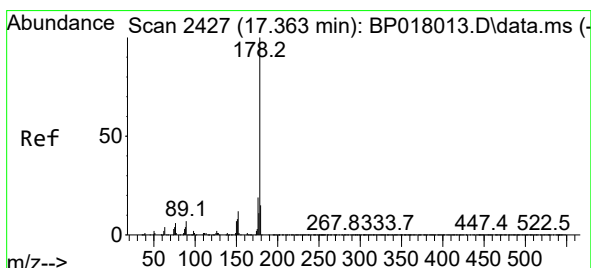
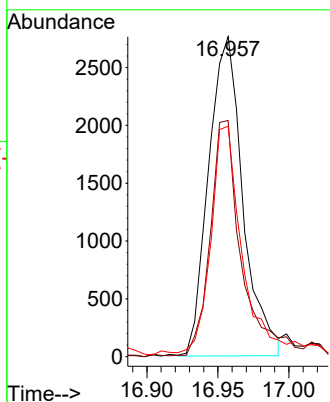
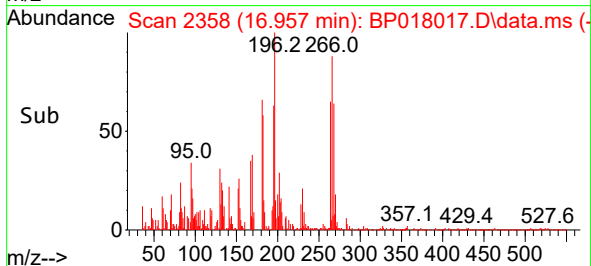
Instrument :
BNA_P
ClientSampleId :
DCKI5



Tgt Ion:266 Resp: 464
Ion Ratio Lower Upper
266 100
264 73.8 48.4 72.6
268 72.1 50.3 75.5

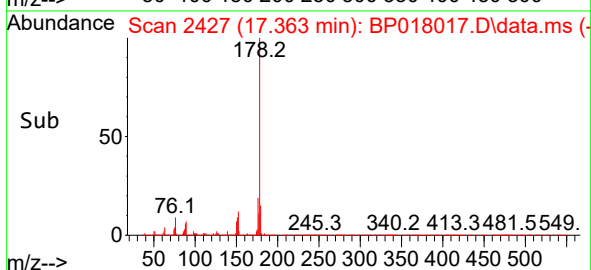
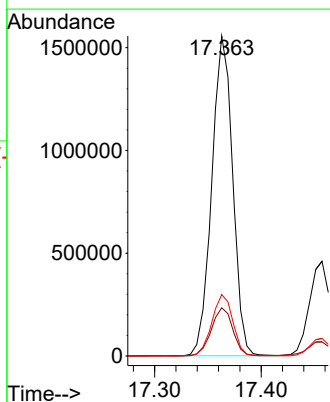
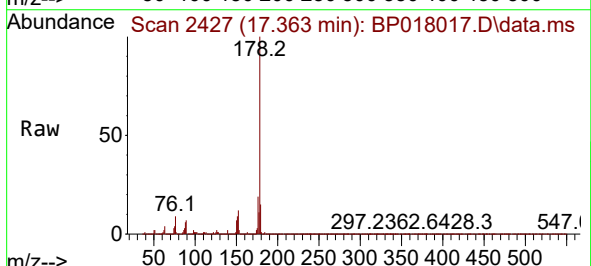
Manual Integrations
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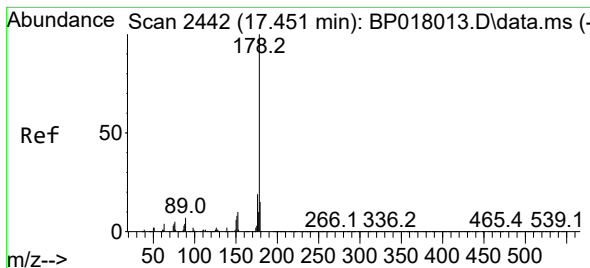
Reviewed By :Yogesh Patel 11/14/2023
Supervised By :mohammad ahmed 11/15/2023



#72
Phenanthrene
Concen: 64.505 ng/ul
RT: 17.363 min Scan# 2427
Delta R.T. -0.006 min
Lab File: BP018017.D
Acq: 10 Nov 2023 07:59

Tgt Ion:178 Resp: 2124249
Ion Ratio Lower Upper
178 100
179 15.1 11.6 17.4
176 19.2 15.1 22.7





#74

Anthracene

Concen: 18.900 ng/ul

RT: 17.457 min Scan# 2442

Delta R.T. 0.000 min

Lab File: BP018017.D

Acq: 10 Nov 2023 07:59

Instrument :

BNA_P

ClientSampleId :

DCKI5

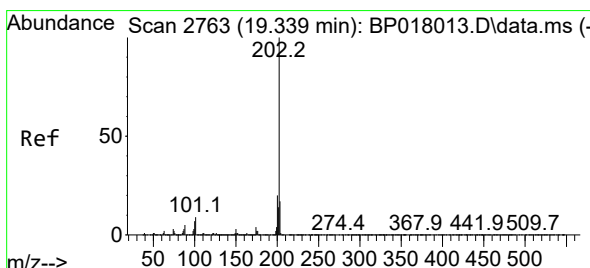
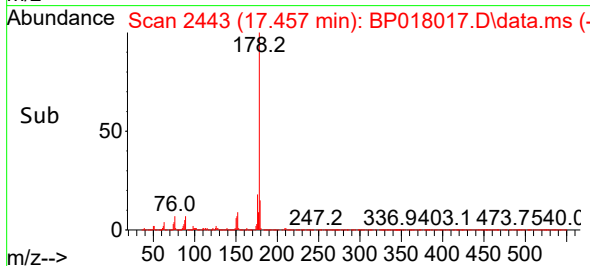
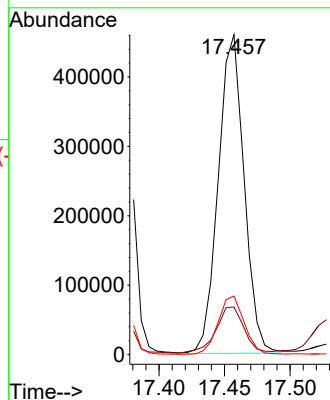
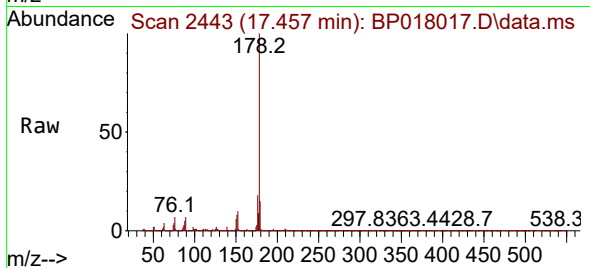
Tgt Ion:178	Resp: 62925
Ion Ratio	Lower Upper
178 100	
179 14.9	12.9 19.3
176 18.4	15.1 22.7

Manual Integrations

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Reviewed By :Yogesh Patel 11/14/2023

Supervised By :mohammad ahmed 11/15/2023



#80

Fluoranthene

Concen: 128.652 ng/ul

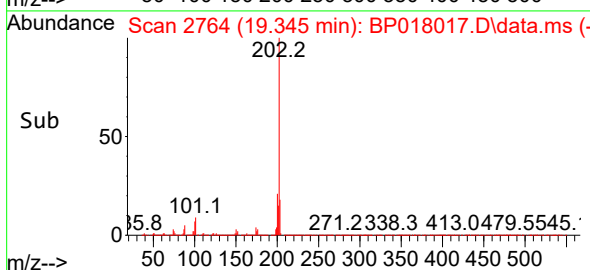
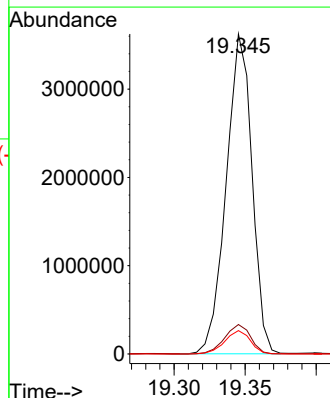
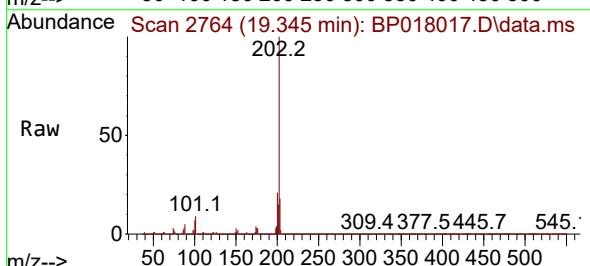
RT: 19.345 min Scan# 2764

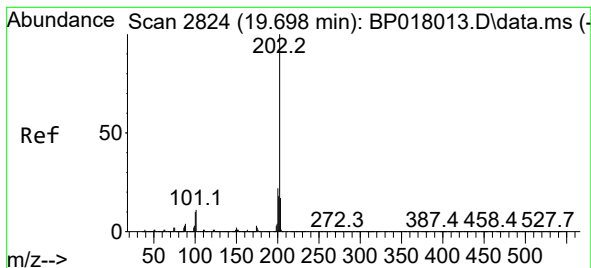
Delta R.T. 0.000 min

Lab File: BP018017.D

Acq: 10 Nov 2023 07:59

Tgt Ion:202	Resp: 4576032
Ion Ratio	Lower Upper
202 100	
101 9.2	7.4 11.0
100 7.3	5.8 8.6





#82

Pyrene

Concen: 100.626 ng/ul

RT: 19.704 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP018017.D

Acq: 10 Nov 2023 07:59

Instrument :

BNA_P

ClientSampleId :

DCKI5

Tgt Ion:202 Resp: 378284

Ion Ratio Lower Upper

202 100

101 11.0 9.0 13.4

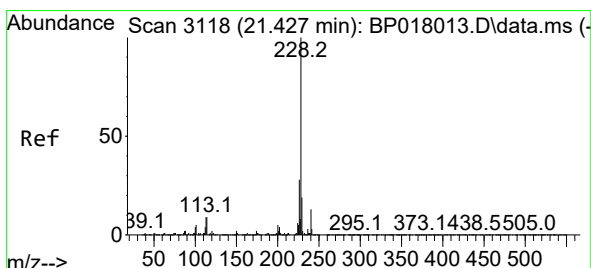
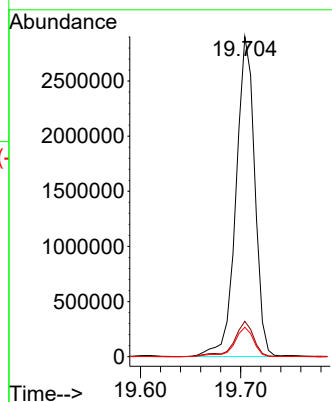
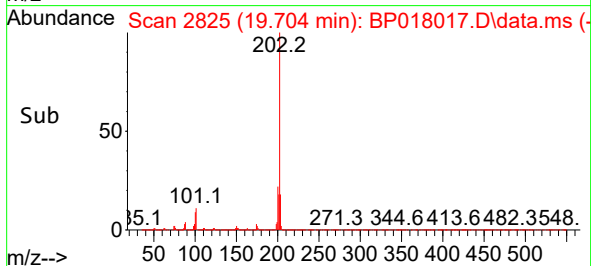
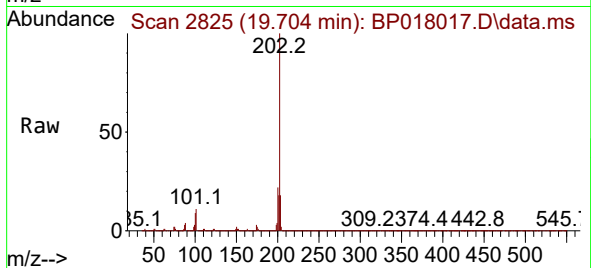
100 9.2 7.8 11.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/14/2023

Supervised By :mohammad ahmed 11/15/2023



#85

Benzo(a)anthracene

Concen: 27.712 ng/ul

RT: 21.427 min Scan# 3118

Delta R.T. -0.006 min

Lab File: BP018017.D

Acq: 10 Nov 2023 07:59

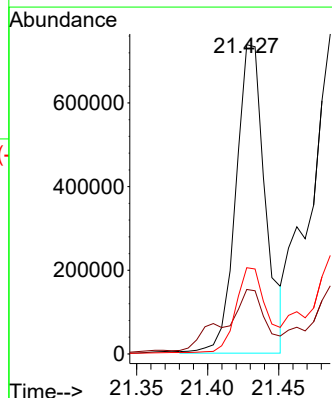
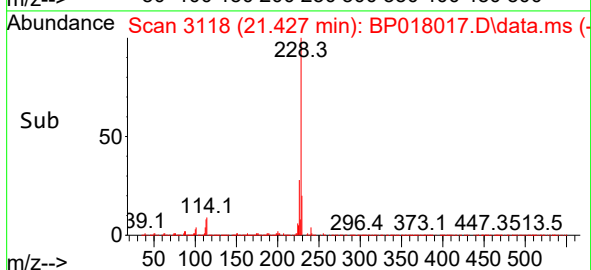
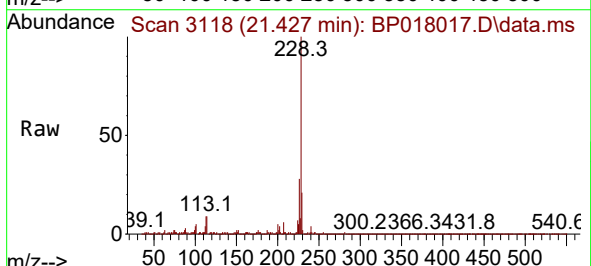
Tgt Ion:228 Resp: 1063783

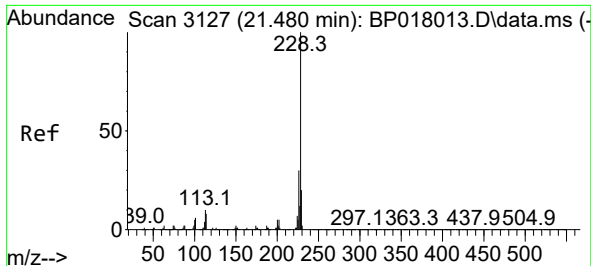
Ion Ratio Lower Upper

228 100

229 20.8 15.6 23.4

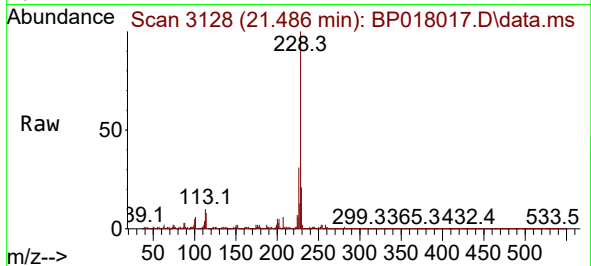
226 27.9 22.3 33.5





#87
Chrysene
Concen: 34.429 ng/ul m
RT: 21.486 min Scan# 3127
Delta R.T. -0.006 min
Lab File: BP018017.D
Acq: 10 Nov 2023 07:59

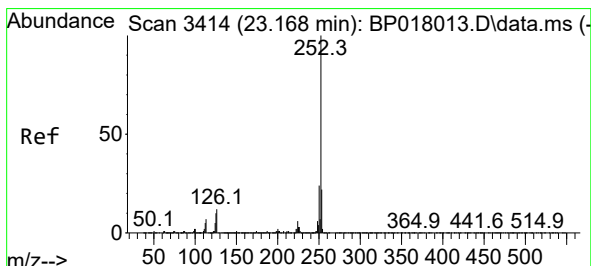
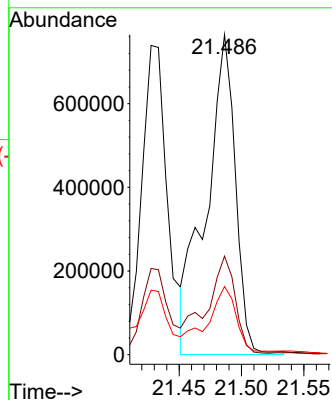
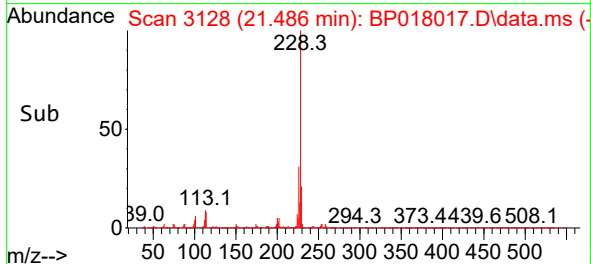
Instrument :
BNA_P
ClientSampleId :
DCKI5



Tgt Ion:228 Resp: 1244879
Ion Ratio Lower Upper
228 100
226 30.8 24.4 36.6
229 21.3 15.4 23.0

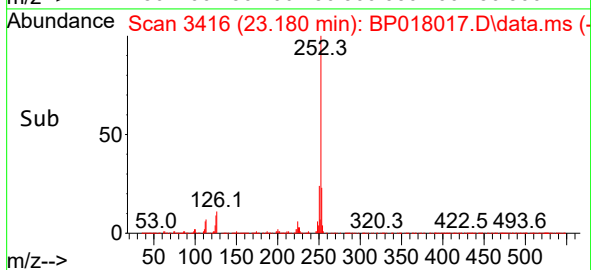
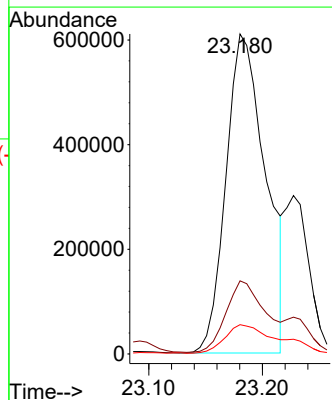
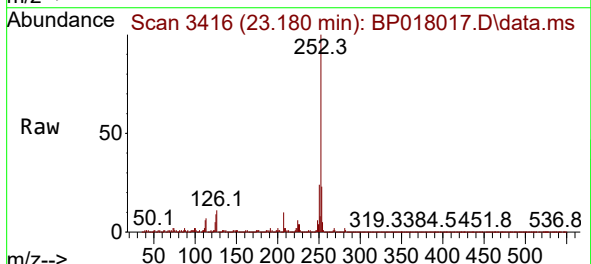
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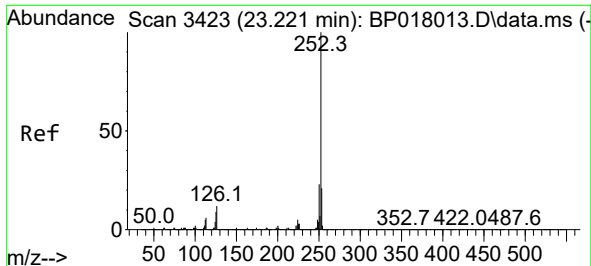
Reviewed By :Yogesh Patel 11/14/2023
Supervised By :mohammad ahmed 11/15/2023



#90
Benzo(b)fluoranthene
Concen: 39.067 ng/ul
RT: 23.180 min Scan# 3416
Delta R.T. 0.000 min
Lab File: BP018017.D
Acq: 10 Nov 2023 07:59

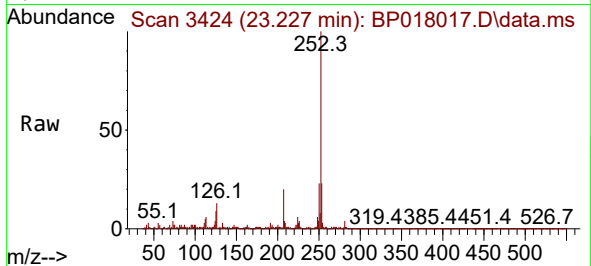
Tgt Ion:252 Resp: 1479768
Ion Ratio Lower Upper
252 100
253 22.9 17.0 25.4
125 9.1 7.4 11.2





#91
Benzo(k)fluoranthene
Concen: 11.674 ng/ul m
RT: 23.227 min Scan# 3423
Delta R.T. -0.006 min
Lab File: BP018017.D
Acq: 10 Nov 2023 07:59

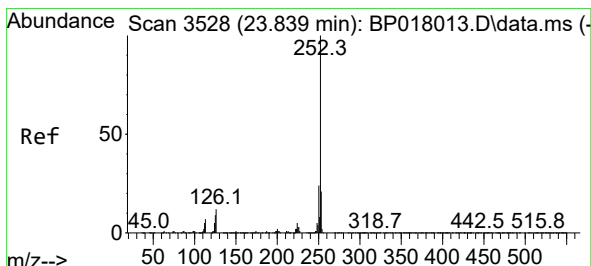
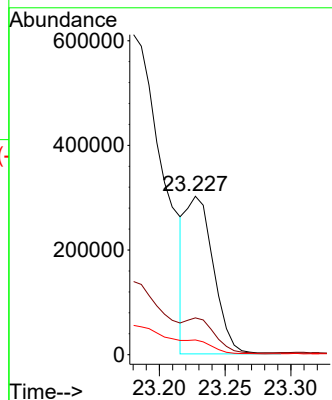
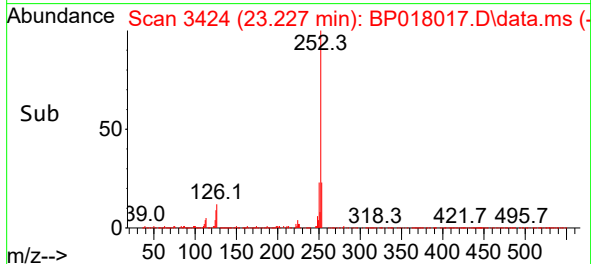
Instrument :
BNA_P
ClientSampleId :
DCKI5



Tgt Ion:252 Resp: 441330
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.6
125 9.3 7.4 11.2

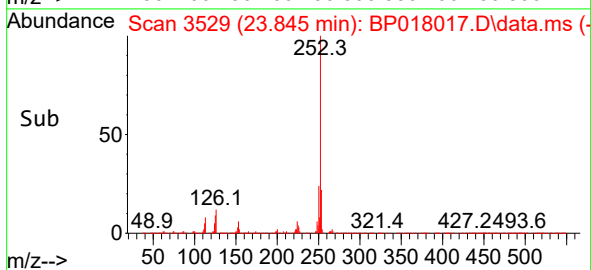
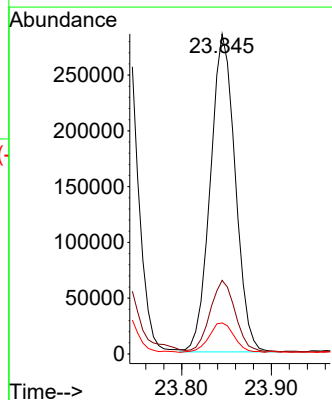
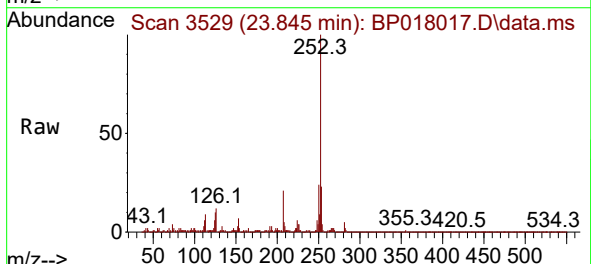
Manual Integrations
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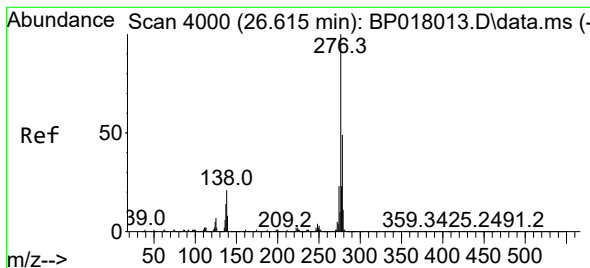
Reviewed By :Yogesh Patel 11/14/2023
Supervised By :mohammad ahmed 11/15/2023



#93
Benzo(a)pyrene
Concen: 15.339 ng/ul
RT: 23.845 min Scan# 3529
Delta R.T. -0.006 min
Lab File: BP018017.D
Acq: 10 Nov 2023 07:59

Tgt Ion:252 Resp: 547652
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.0
125 9.7 7.8 11.8





#94

Indeno(1,2,3-cd)pyrene

Concen: 9.042 ng/ul

RT: 26.627 min Scan# 4002

Delta R.T. -0.006 min

Lab File: BP018017.D

Acq: 10 Nov 2023 07:59

Instrument :

BNA_P

ClientSampleId :

DCKI5

Tgt Ion:276 Resp: 382618

Ion Ratio Lower Upper

276 100

138 18.4 16.2 24.4

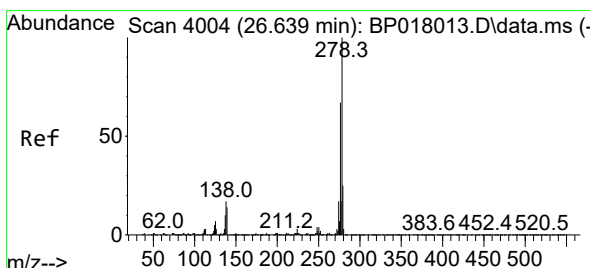
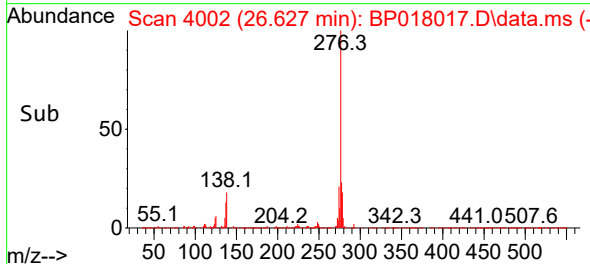
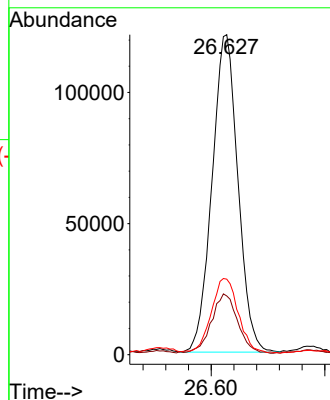
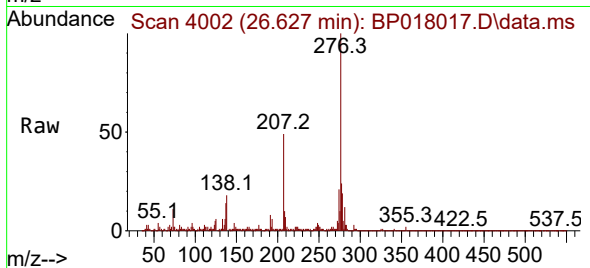
277 23.6 18.8 28.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/14/2023

Supervised By :mohammad ahmed 11/15/2023



#95

Dibenzo(a,h)anthracene

Concen: 3.248 ng/ul m

RT: 26.633 min Scan# 4003

Delta R.T. -0.023 min

Lab File: BP018017.D

Acq: 10 Nov 2023 07:59

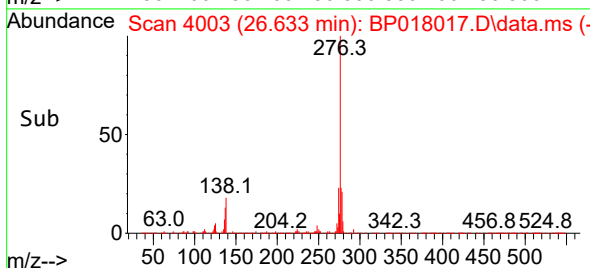
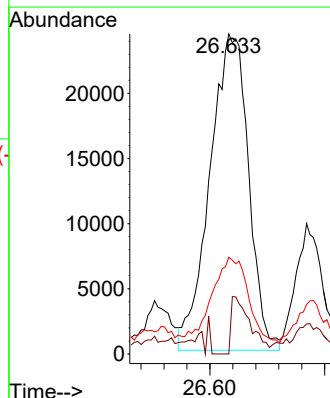
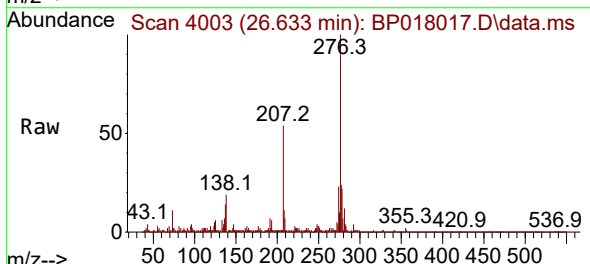
Tgt Ion:278 Resp: 113635

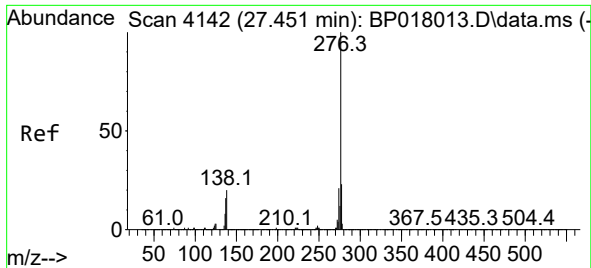
Ion Ratio Lower Upper

278 100

139 0.0 11.9 17.9#

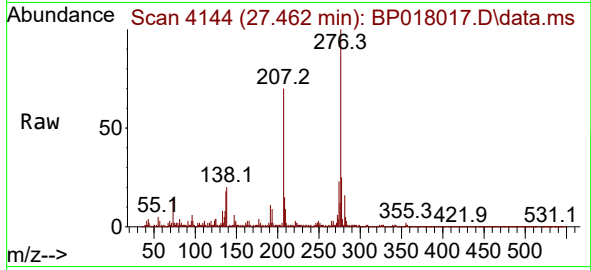
279 30.2 19.7 29.5#





#96
Benzo(g,h,i)perylene
Concen: 9.085 ng/ul
RT: 27.462 min Scan# 4144
Delta R.T. -0.006 min
Lab File: BP018017.D
Acq: 10 Nov 2023 07:59

Instrument :
BNA_P
ClientSampleId :
DCKI5



Tgt Ion:276 Resp: 30680
Ion Ratio Lower Upper
276 100
138 19.6 15.0 22.6
277 24.8 19.0 28.6

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/14/2023
Supervised By :mohammad ahmed 11/15/2023

