

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111023\
 Data File : BP018084.D
 Acq On : 12 Nov 2023 01:57
 Operator : MA/JU
 Sample : 05091-09DL 5X
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DCKI6DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/13/2023
 Supervised By :mohammad ahmed 11/15/2023

Quant Time: Nov 16 02:39:37 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP111023.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Nov 10 21:55:18 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.846	152	79896	20.000	ng/u1	0.00
20) Naphthalene-d8	10.669	136	321970	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.522	164	202877	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.304	188	467625	20.000	ng/u1	0.00
79) Chrysene-d12	21.427	240	486264	20.000	ng/u1	0.00
88) Perylene-d12	23.927	264	550889	20.000	ng/u1	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.234	96	1322	0.584	ng/uL	0.00
4) Pyridine-d5	3.652	84	909	0.154	ng/u1	-0.01
7) Phenol-d5	7.040	99	16236	2.105	ng/u1	0.02
9) Bis-(2-Chloroethyl)eth...	7.205	67	10937	2.413	ng/u1	0.00
11) 2-Chlorophenol-d4	7.381	132	14015m	2.294	ng/u1	0.00
15) 4-Methylphenol-d8	8.599	113	11238m	1.778	ng/u1	0.02
21) Nitrobenzene-d5	9.063	128	5984	2.063	ng/u1	0.00
24) 2-Nitrophenol-d4	9.775	143	6451	1.963	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.340	165	12753	2.177	ng/u1	0.04
31) 4-Chloroaniline-d4	10.893	131	9009m	1.122	ng/u1	0.04
46) Dimethylphthalate-d6	13.945	166	50313	2.688	ng/u1	0.00
49) Acenaphthylene-d8	14.222	160	52119	2.556	ng/u1	0.00
54) 4-Nitrophenol-d4	14.869	143	3790m	1.355	ng/u1	0.09
60) Fluorene-d10	15.528	176	43205	2.796	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.704	200	3599m	1.065	ng/u1	0.02
73) Anthracene-d10	17.404	188	70833	2.801	ng/u1	0.00
81) Pyrene-d10	19.657	212	91615	2.821	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.763	264	87892m	2.744	ng/u1	-0.01
Target Compounds					Qvalue	
61) Fluorene	15.587	166	25856	1.456	ng/u1	97
72) Phenanthrene	17.345	178	143828	5.009	ng/u1	98
74) Anthracene	17.439	178	601670	20.534	ng/u1	99
80) Fluoranthene	19.328	202	810710	21.372	ng/u1	99
82) Pyrene	19.686	202	863281	21.718	ng/u1	99
85) Benzo(a)anthracene	21.410	228	279003	7.106	ng/u1	97
87) Chrysene	21.469	228	471350	12.831	ng/u1	96
90) Benzo(b)fluoranthene	23.151	252	414136	10.563	ng/u1	96
91) Benzo(k)fluoranthene	23.198	252	141301m	3.582	ng/u1	
93) Benzo(a)pyrene	23.816	252	161232	4.355	ng/u1#	93
94) Indeno(1,2,3-cd)pyrene	26.586	276	116852	2.631	ng/u1	98
96) Benzo(g,h,i)perylene	27.409	276	101104	2.847	ng/u1#	94

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

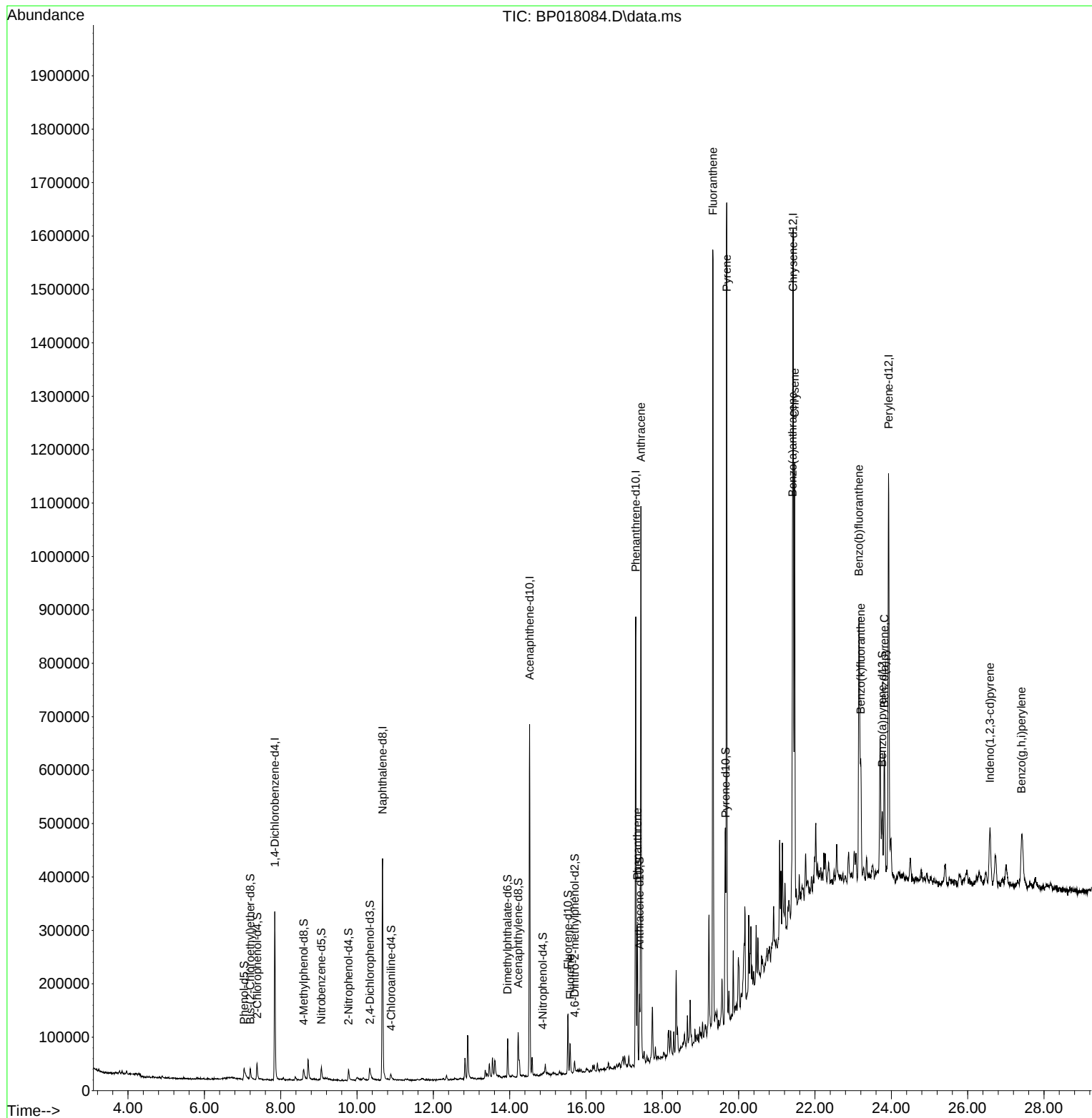
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111023\
Data File : BP018084.D
Acq On : 12 Nov 2023 01:57
Operator : MA/JU
Sample : 05091-09DL 5X
Misc :
ALS Vial : 63 Sample Multiplier: 1

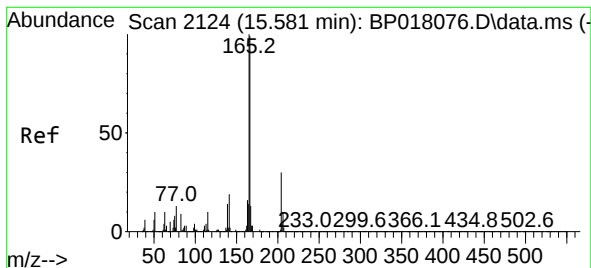
Instrument :
BNA_P
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Quant Title : SVOA CALIBRATION
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#61

Fluorene

Concen: 1.456 ng/ul

RT: 15.587 min Scan# 2124

Delta R.T. 0.000 min

Lab File: BP018084.D

Acq: 12 Nov 2023 01:57

Instrument :

BNA_P

ClientSampleId :

DCKI6DL

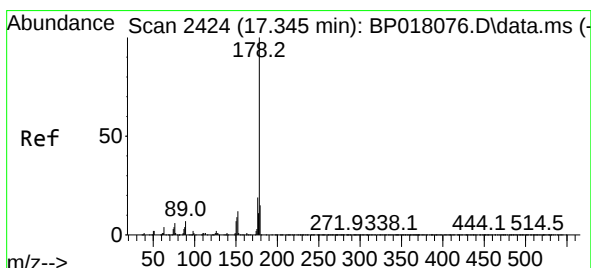
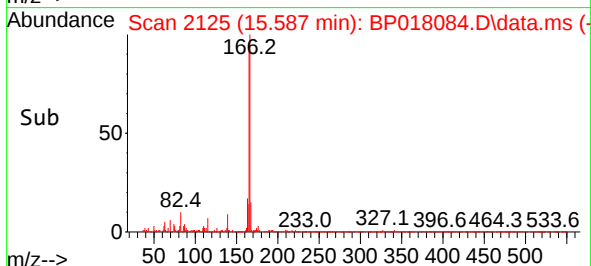
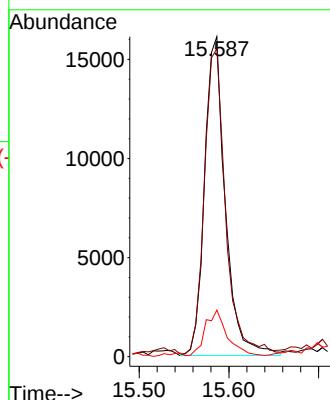
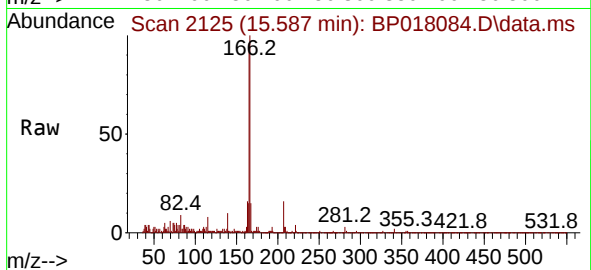
Tgt Ion:166	Resp: 2585
Ion Ratio	Lower Upper
166 100	
165 96.2	79.0 118.6
167 14.6	10.6 16.0

Manual Integrations

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#72

Phenanthrene

Concen: 5.009 ng/ul

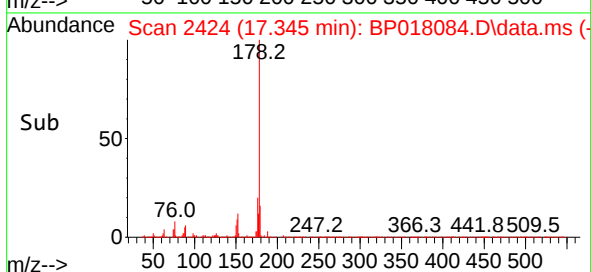
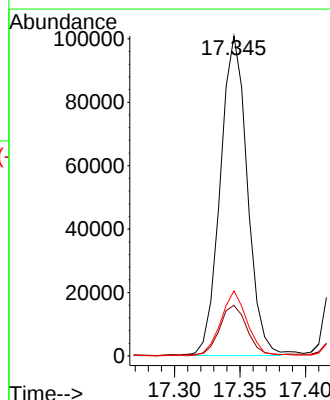
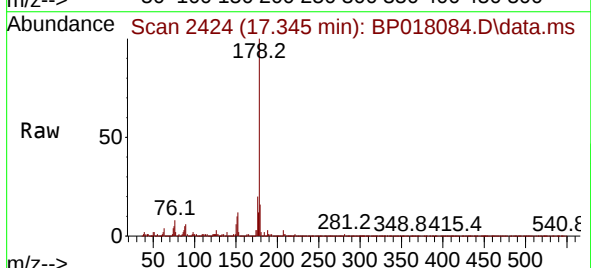
RT: 17.345 min Scan# 2424

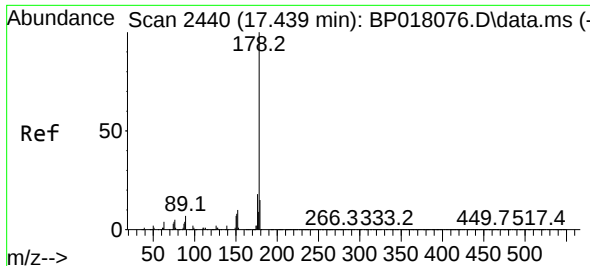
Delta R.T. -0.006 min

Lab File: BP018084.D

Acq: 12 Nov 2023 01:57

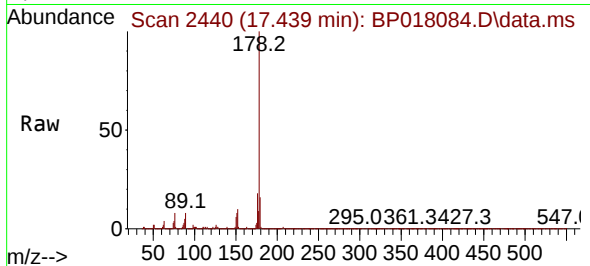
Tgt Ion:178	Resp: 143828
Ion Ratio	Lower Upper
178 100	
179 15.8	12.0 18.0
176 20.3	15.5 23.3





#74
 Anthracene
 Concen: 20.534 ng/ul
 RT: 17.439 min Scan# 2440
 Delta R.T. -0.006 min
 Lab File: BP018084.D
 Acq: 12 Nov 2023 01:57

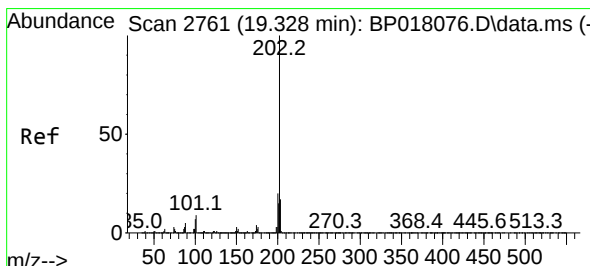
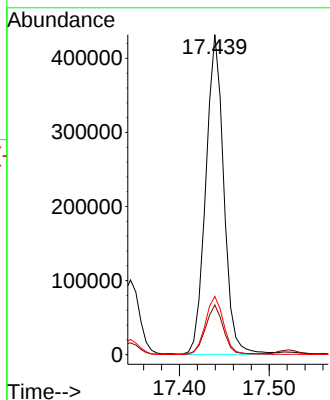
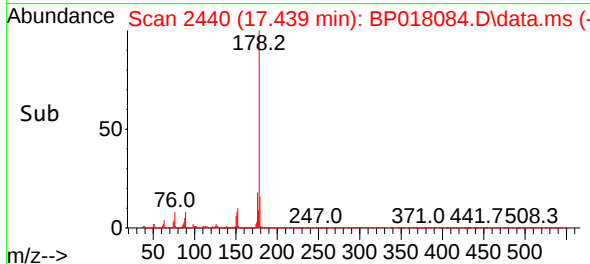
Instrument :
 BNA_P
 ClientSampleId :
 DCKI6DL



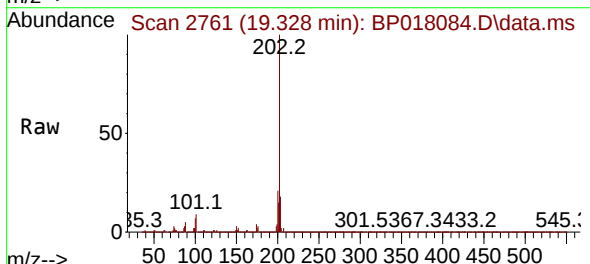
Tgt Ion:178 Resp: 601670
 Ion Ratio Lower Upper
 178 100
 179 15.6 12.6 19.0
 176 18.2 15.4 23.0

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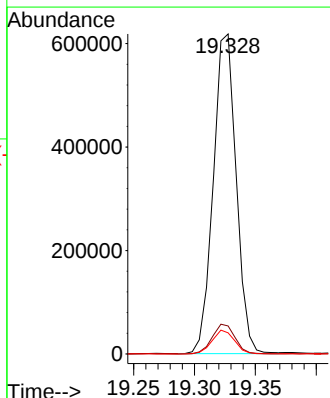
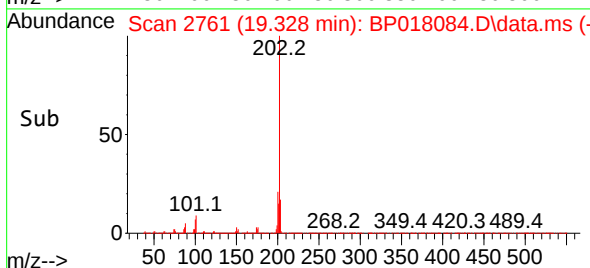
Reviewed By :Yogesh Patel 11/13/2023
 Supervised By :mohammad ahmed 11/15/2023

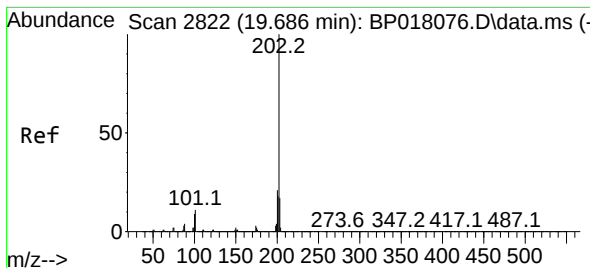


#80
 Fluoranthene
 Concen: 21.372 ng/ul
 RT: 19.328 min Scan# 2761
 Delta R.T. -0.006 min
 Lab File: BP018084.D
 Acq: 12 Nov 2023 01:57



Tgt Ion:202 Resp: 810710
 Ion Ratio Lower Upper
 202 100
 101 8.7 7.2 10.8
 100 6.6 5.8 8.6





#82

Pyrene

Concen: 21.718 ng/ul

RT: 19.686 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP018084.D

Acq: 12 Nov 2023 01:57

Instrument :

BNA_P

ClientSampleId :

DCKI6DL

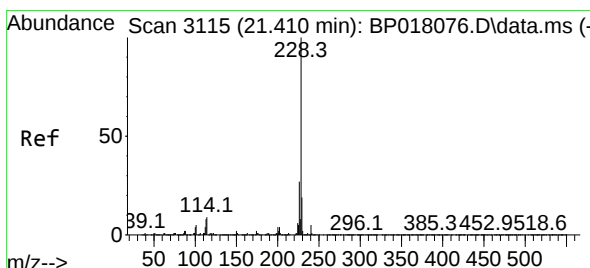
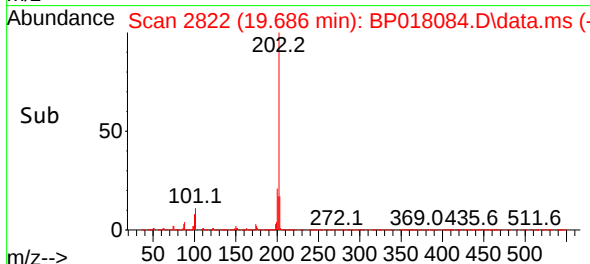
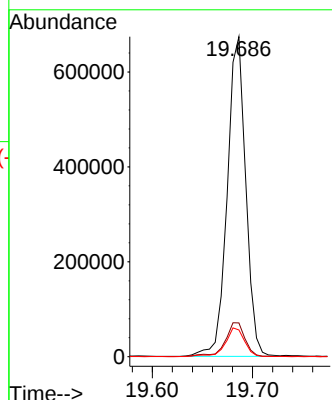
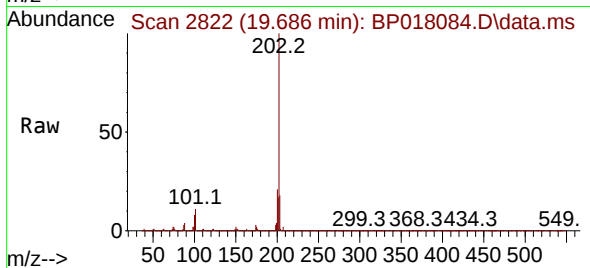
Tgt Ion:	202	Resp:	86328
Ion Ratio	Lower	Upper	
202	100		
101	10.6	8.3	12.5
100	8.3	7.4	11.2

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#85

Benzo(a)anthracene

Concen: 7.106 ng/ul

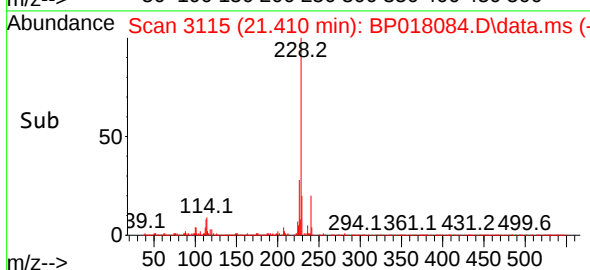
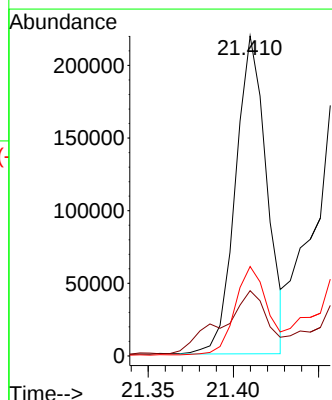
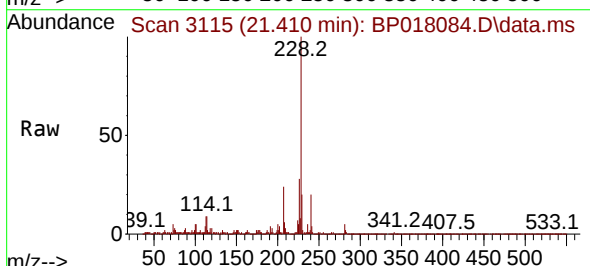
RT: 21.410 min Scan# 3115

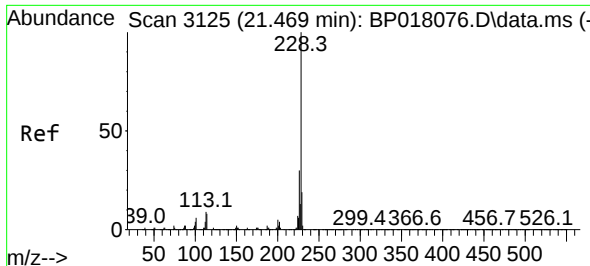
Delta R.T. -0.006 min

Lab File: BP018084.D

Acq: 12 Nov 2023 01:57

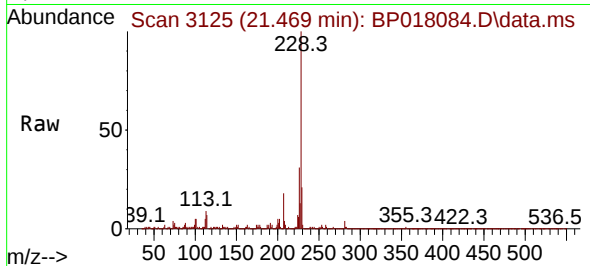
Tgt Ion:	228	Resp:	279003
Ion Ratio	Lower	Upper	
228	100		
229	20.4	15.4	23.0
226	27.9	21.4	32.0





#87
Chrysene
Concen: 12.831 ng/ul
RT: 21.469 min Scan# 3125
Delta R.T. -0.006 min
Lab File: BP018084.D
Acq: 12 Nov 2023 01:57

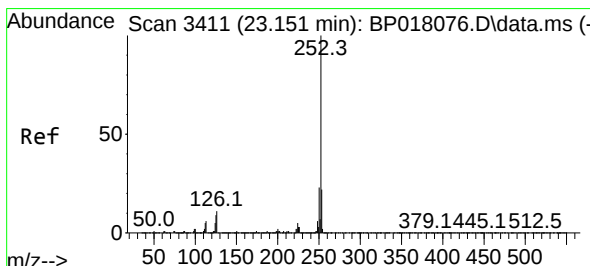
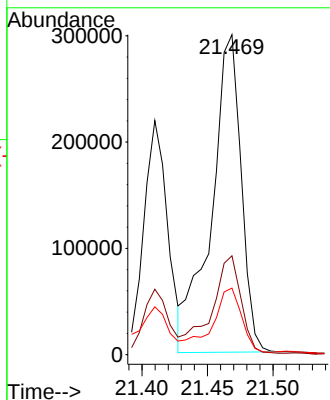
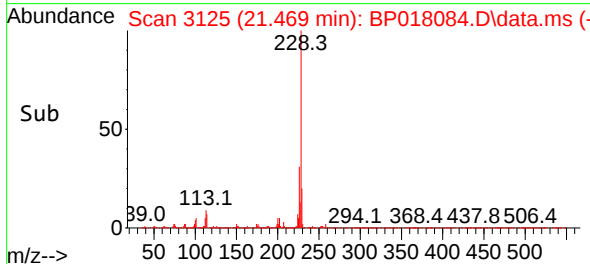
Instrument :
BNA_P
ClientSampleId :
DCKI6DL



Tgt Ion:228 Resp: 471350
Ion Ratio Lower Upper
228 100
226 30.9 23.1 34.7
229 20.8 15.4 23.0

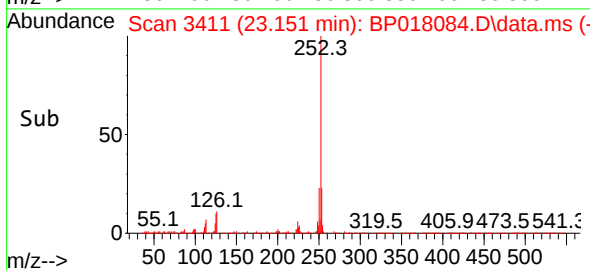
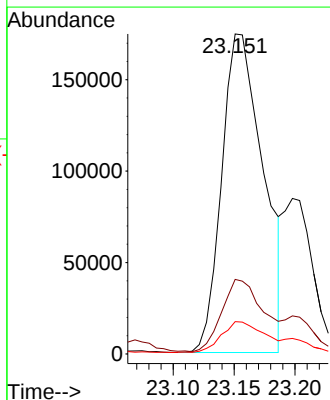
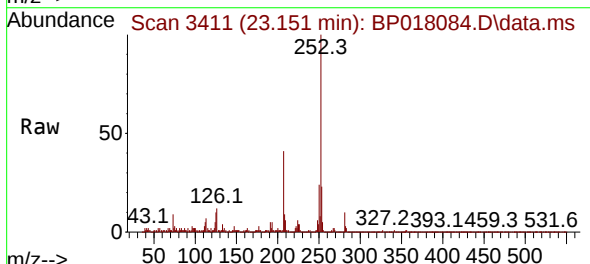
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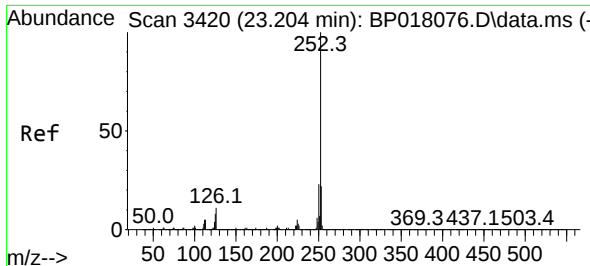
Reviewed By :Yogesh Patel 11/13/2023
Supervised By :mohammad ahmed 11/15/2023



#90
Benzo(b)fluoranthene
Concen: 10.563 ng/ul
RT: 23.151 min Scan# 3411
Delta R.T. -0.011 min
Lab File: BP018084.D
Acq: 12 Nov 2023 01:57

Tgt Ion:252 Resp: 414136
Ion Ratio Lower Upper
252 100
253 23.3 17.0 25.4
125 10.1 7.0 10.6





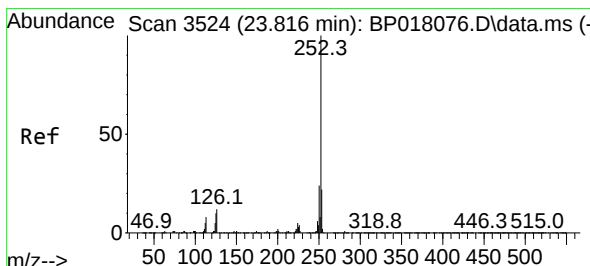
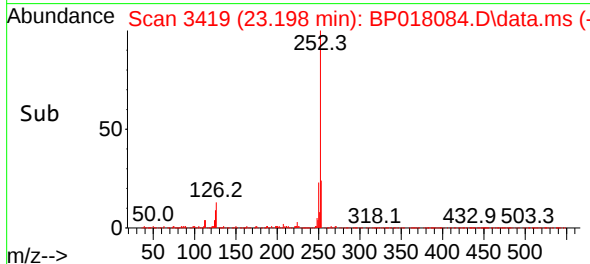
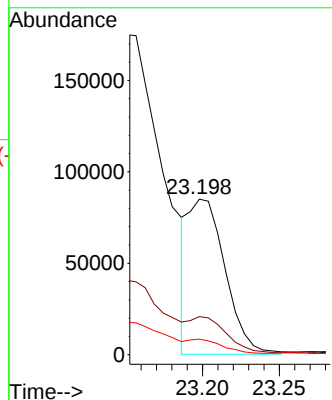
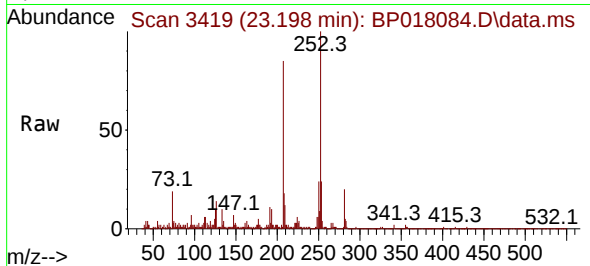
#91
Benzo(k)fluoranthene
Concen: 3.582 ng/ul m
RT: 23.198 min Scan# 3419
Delta R.T. -0.011 min
Lab File: BP018084.D
Acq: 12 Nov 2023 01:57

Instrument :
BNA_P
ClientSampleId :
DCKI6DL

Tgt Ion:252 Resp: 14130
Ion Ratio Lower Upper
252 100
253 24.5 17.6 26.4
125 10.0 6.8 10.2

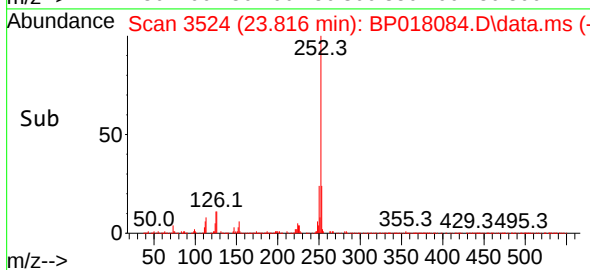
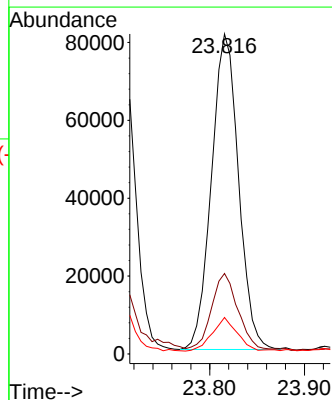
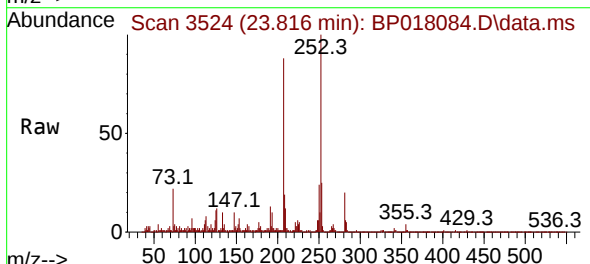
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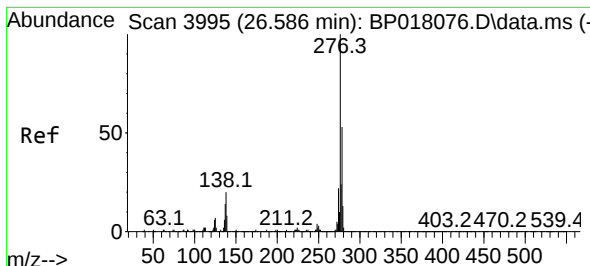
Reviewed By :Yogesh Patel 11/13/2023
Supervised By :mohammad ahmed 11/15/2023



#93
Benzo(a)pyrene
Concen: 4.355 ng/ul
RT: 23.816 min Scan# 3524
Delta R.T. -0.011 min
Lab File: BP018084.D
Acq: 12 Nov 2023 01:57

Tgt Ion:252 Resp: 161232
Ion Ratio Lower Upper
252 100
253 25.2 17.4 26.0
125 11.4 7.3 10.9#





#94

Indeno(1,2,3-cd)pyrene

Concen: 2.631 ng/ul

RT: 26.586 min Scan# 3995

Delta R.T. -0.011 min

Lab File: BP018084.D

Acq: 12 Nov 2023 01:57

Instrument :

BNA_P

ClientSampleId :

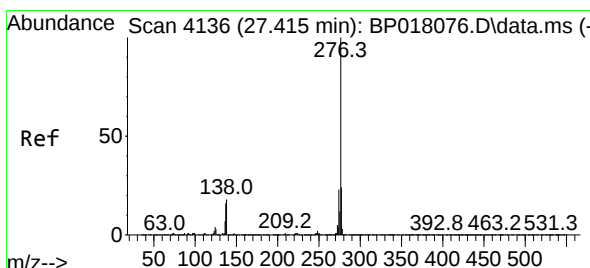
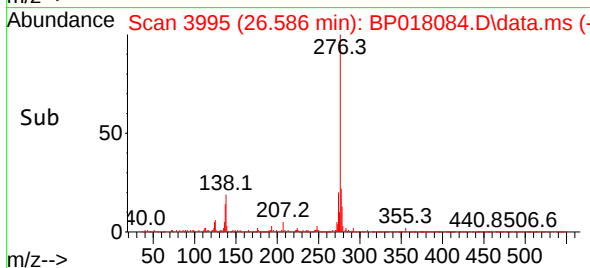
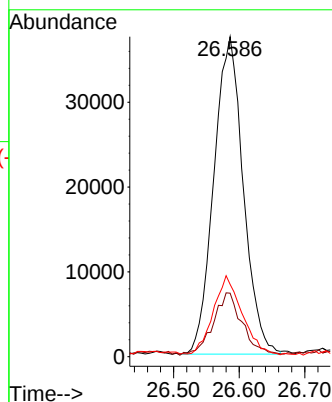
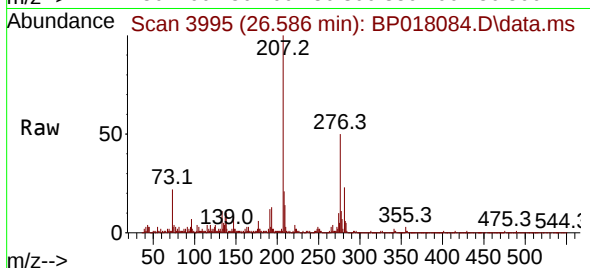
DCKI6DL

Tgt Ion:	276	Resp:	11685
Ion Ratio	Lower	Upper	
276	100		
138	19.9	15.6	23.4
277	22.6	19.3	28.9

Manual Integrations

APPROVED

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Supervised By :mohammad ahmed 11/15/2023



#96

Benzo(g,h,i)perylene

Concen: 2.847 ng/ul

RT: 27.409 min Scan# 4135

Delta R.T. -0.023 min

Lab File: BP018084.D

Acq: 12 Nov 2023 01:57

Tgt Ion:	276	Resp:	101104
Ion Ratio	Lower	Upper	
276	100		
138	22.8	13.8	20.6
277	25.7	20.2	30.2

