

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP070223\
 Data File : BP015910.D
 Acq On : 02 Jul 2023 06:40
 Operator : MA/JU
 Sample : 03243-04
 Misc :
 ALS Vial : 77 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DCGC4

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/02/2023
 Supervised By :mohammad ahmed 07/03/2023

Quant Time: Jul 02 07:16:33 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP062623.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Jul 02 06:12:16 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.045	152	242737	20.000	ng/u1	0.00
20) Naphthalene-d8	10.875	136	1096048	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.698	164	670625	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.457	188	1439584	20.000	ng/u1	# 0.00
79) Chrysene-d12	21.545	240	1025359	20.000	ng/u1	# 0.00
88) Perylene-d12	24.092	264	1062358	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.375	96	20729	3.072	ng/uL	0.00
4) Pyridine-d5	3.828	84	180829	10.633	ng/u1	0.01
7) Phenol-d5	7.240	99	386400	18.605	ng/u1	0.02
9) Bis-(2-Chloroethyl)eth...	7.375	67	264811	20.609	ng/u1	0.00
11) 2-Chlorophenol-d4	7.587	132	315734	20.139	ng/u1	0.01
15) 4-Methylphenol-d8	8.798	113	272378	16.601	ng/u1	0.02
21) Nitrobenzene-d5	9.245	128	156225	18.651	ng/u1	0.01
24) 2-Nitrophenol-d4	9.969	143	164331	16.809	ng/u1	0.01
28) 2,4-Dichlorophenol-d3	10.551	165	278988	16.014	ng/u1	0.04
31) 4-Chloroaniline-d4	11.063	131	227022	10.144	ng/u1	0.04
46) Dimethylphthalate-d6	14.110	166	942630	18.186	ng/u1	0.00
49) Acenaphthylene-d8	14.392	160	1112204	19.088	ng/u1	0.00
54) 4-Nitrophenol-d4	14.998	143	99276m	14.513	ng/u1	0.05
60) Fluorene-d10	15.698	176	829783	19.442	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.874	200	65953	7.450	ng/u1	0.02
73) Anthracene-d10	17.563	188	1266550	19.261	ng/u1	0.00
81) Pyrene-d10	19.786	212	1365453	20.394	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.921	264	1047205	19.541	ng/u1	0.00
Target Compounds						
					Qvalue	
50) Acenaphthylene	14.427	152	83518	1.301	ng/u1	98
72) Phenanthrene	17.504	178	1127199	14.413	ng/u1	100
74) Anthracene	17.598	178	235385	2.995	ng/u1	96
80) Fluoranthene	19.462	202	3202132	38.482	ng/u1#	95
82) Pyrene	19.815	202	2618676	30.851	ng/u1#	91
85) Benzo(a)anthracene	21.527	228	1341264	18.595	ng/u1	97
87) Chrysene	21.586	228	1506864	22.020	ng/u1	97
90) Benzo(b)fluoranthene	23.309	252	2282410	33.436	ng/u1#	97
91) Benzo(k)fluoranthene	23.351	252	795165m	11.529	ng/u1	
93) Benzo(a)pyrene	23.974	252	1498812	25.129	ng/u1#	95
94) Indeno(1,2,3-cd)pyrene	26.786	276	1202748	14.854	ng/u1#	95
95) Dibenzo(a,h)anthracene	26.792	278	327071	4.918	ng/u1#	80
96) Benzo(g,h,i)perylene	27.621	276	905931	13.600	ng/u1#	96

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

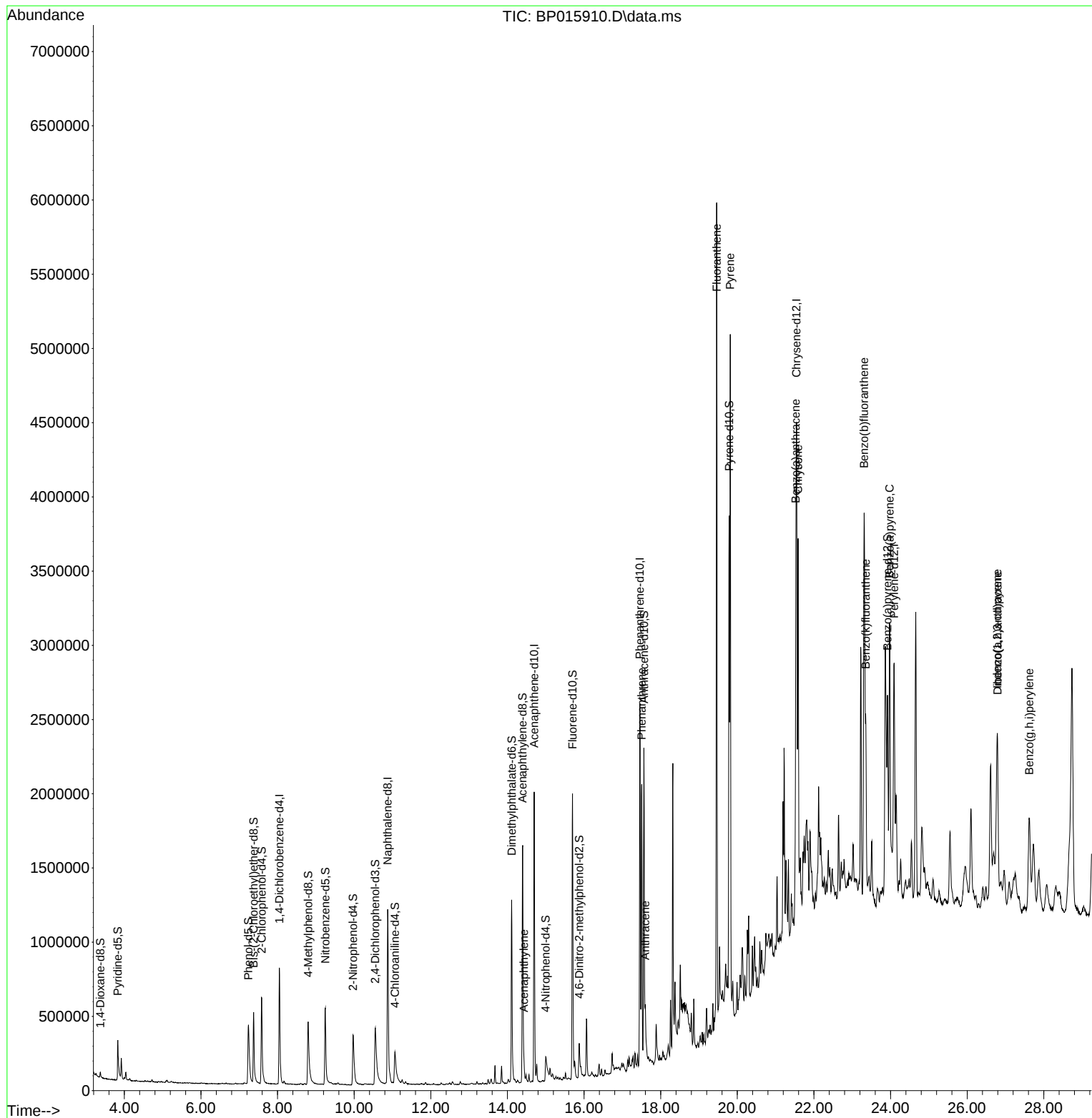
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP070223\
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 ALS Vial : 77 Sample Multiplier: 1

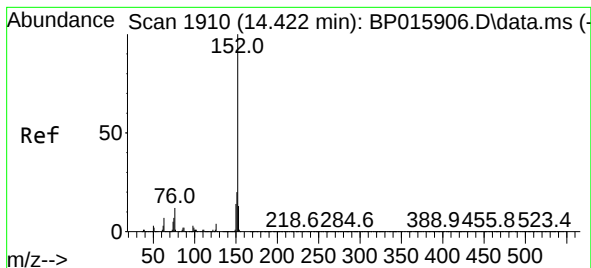
Instrument :
 BNA_P
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Quant Time: Jul 02 07:16:33 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP062623.MA.M
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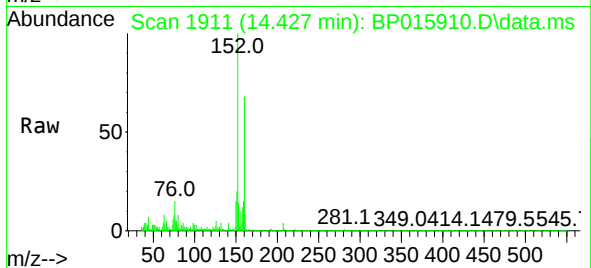
Reviewed By :Yogesh Patel 07/02/2023
 Supervised By :mohammad ahmed 07/03/2023





#50
Acenaphthylene
Concen: 1.301 ng/ul
RT: 14.427 min Scan# 1910
Delta R.T. 0.006 min
Lab File: BP015910.D
Acq: 02 Jul 2023 06:40

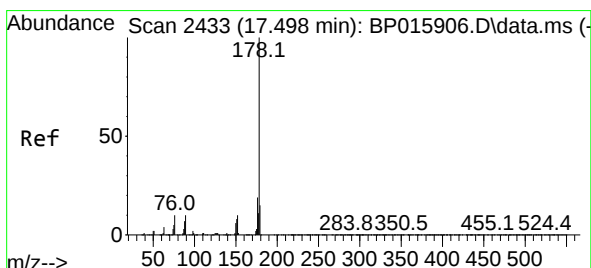
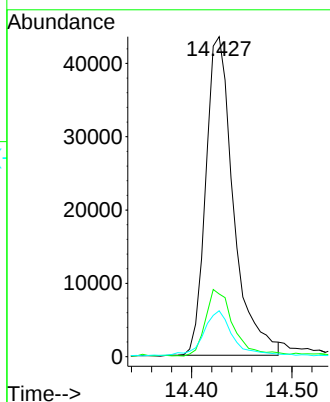
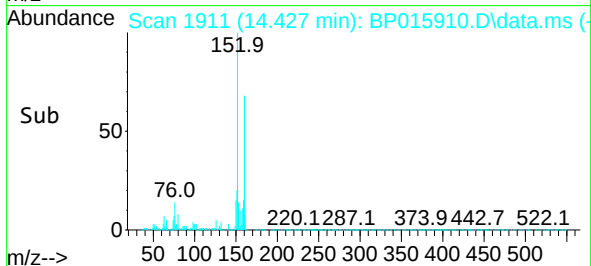
Instrument :
BNA_P
ClientSampleId :
DCGC4



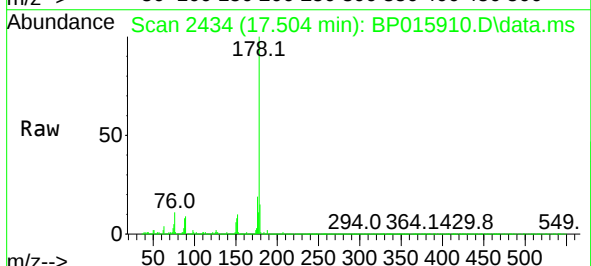
Tgt Ion:152 Resp: 83518
Ion Ratio Lower Upper
152 100
151 19.6 16.2 24.2
153 14.4 10.5 15.7

Manual Integrations
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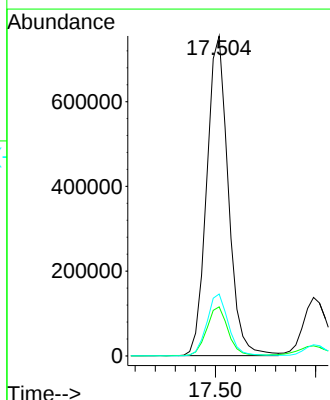
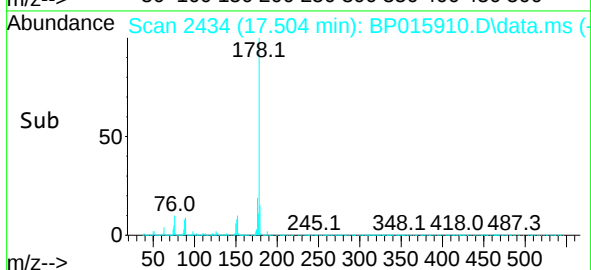
Reviewed By :Yogesh Patel 07/02/2023
Supervised By :mohammad ahmed 07/03/2023

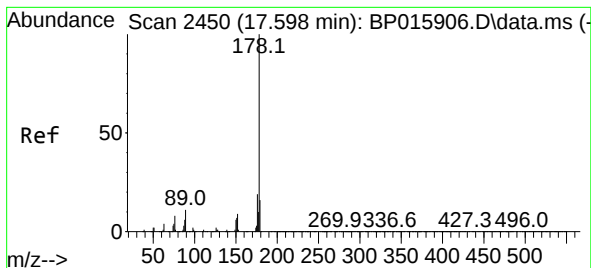


#72
Phenanthrene
Concen: 14.413 ng/ul
RT: 17.504 min Scan# 2434
Delta R.T. 0.006 min
Lab File: BP015910.D
Acq: 02 Jul 2023 06:40



Tgt Ion:178 Resp: 1127199
Ion Ratio Lower Upper
178 100
179 15.4 12.4 18.6
176 19.3 15.6 23.4





#74

Anthracene

Concen: 2.995 ng/ul

RT: 17.598 min Scan# 2450

Delta R.T. 0.000 min

Lab File: BP015910.D

Acq: 02 Jul 2023 06:40

Instrument :

BNA_P

ClientSampleId :

DCGC4

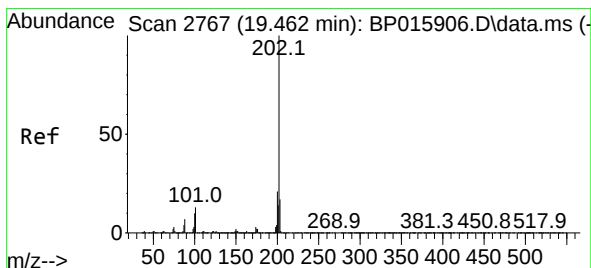
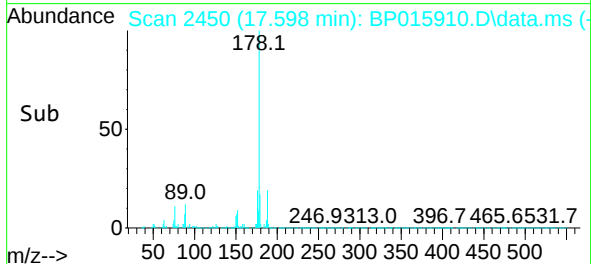
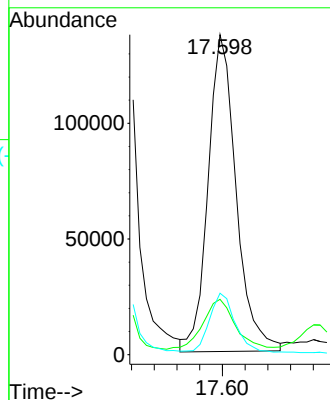
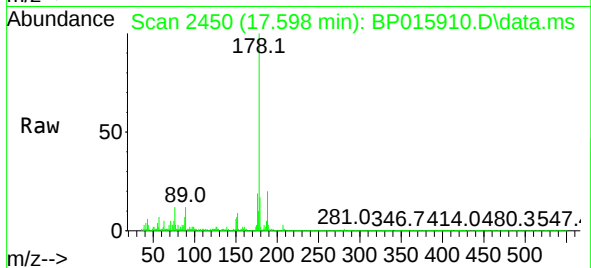
Tgt Ion:178 Resp: 235385
 Ion Ratio Lower Upper
 178 100
 179 17.3 12.1 18.1
 176 19.2 14.6 22.0

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#80

Fluoranthene

Concen: 38.482 ng/ul

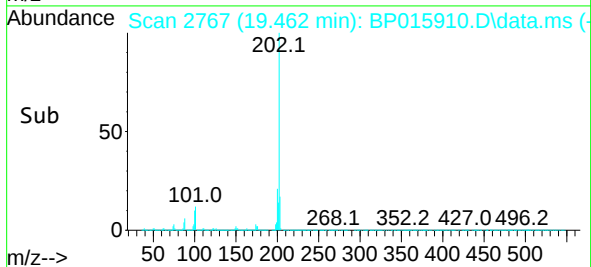
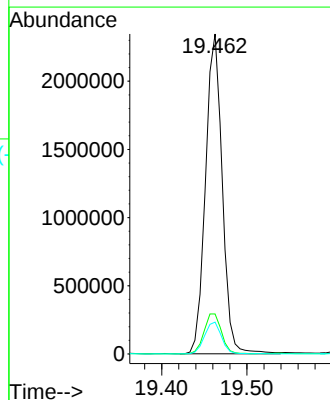
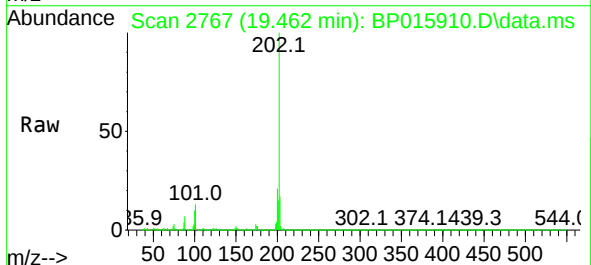
RT: 19.462 min Scan# 2767

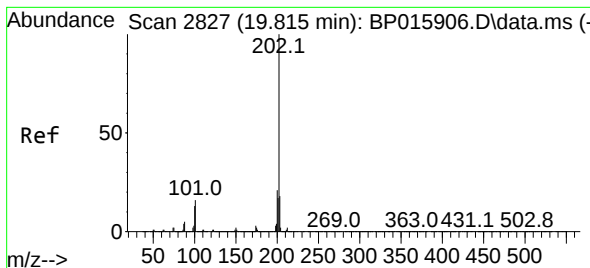
Delta R.T. -0.000 min

Lab File: BP015910.D

Acq: 02 Jul 2023 06:40

Tgt Ion:202 Resp: 3202132
 Ion Ratio Lower Upper
 202 100
 101 12.5 8.3 12.5#
 100 10.0 6.6 9.8#





#82

Pyrene

Concen: 30.851 ng/ul

RT: 19.815 min Scan# 21

Delta R.T. -0.000 min

Lab File: BP015910.D

Acq: 02 Jul 2023 06:40

Instrument :

BNA_P

ClientSampleId :

DCGC4

Tgt Ion:202 Resp: 2618670

Ion Ratio Lower Upper

202 100

101 15.1 9.3 13.9

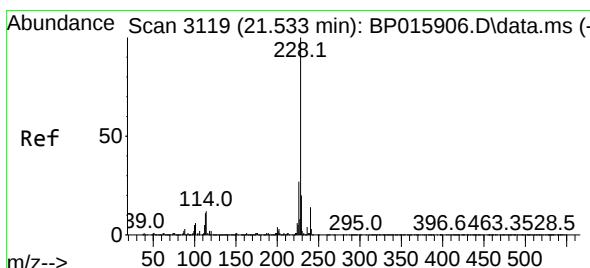
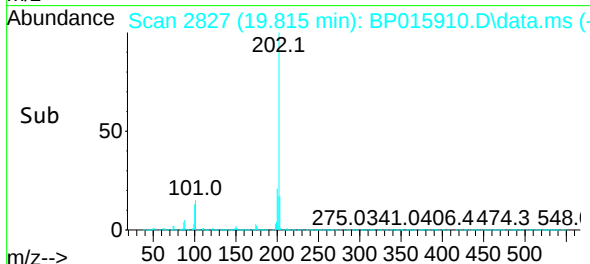
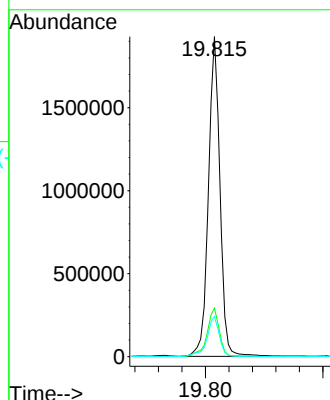
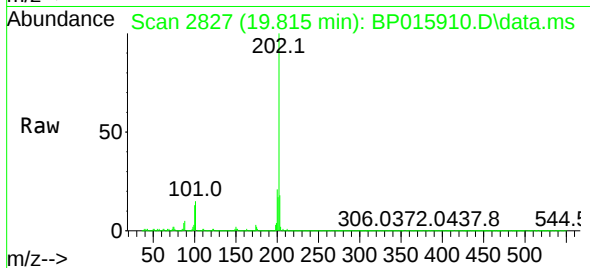
100 12.6 7.6 11.4

Manual Integrations

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Supervised By :mohammad ahmed 07/03/2023



#85

Benzo(a)anthracene

Concen: 18.595 ng/ul

RT: 21.527 min Scan# 3118

Delta R.T. -0.006 min

Lab File: BP015910.D

Acq: 02 Jul 2023 06:40

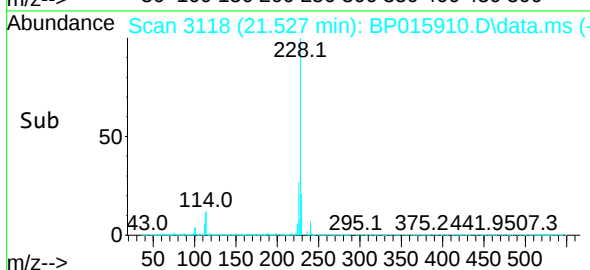
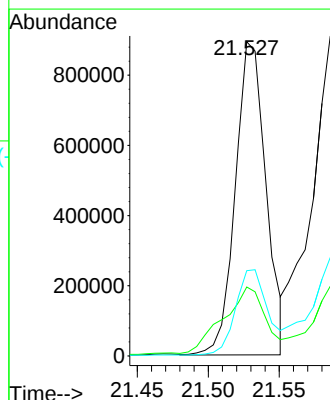
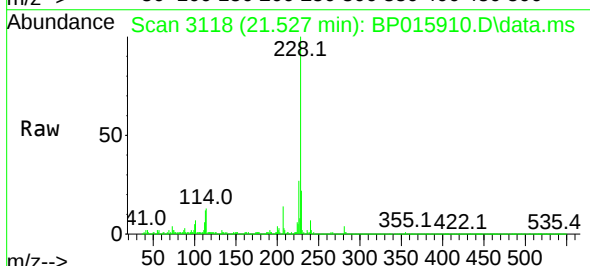
Tgt Ion:228 Resp: 1341264

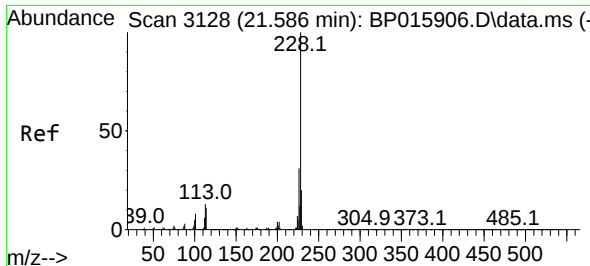
Ion Ratio Lower Upper

228 100

229 22.0 15.3 22.9

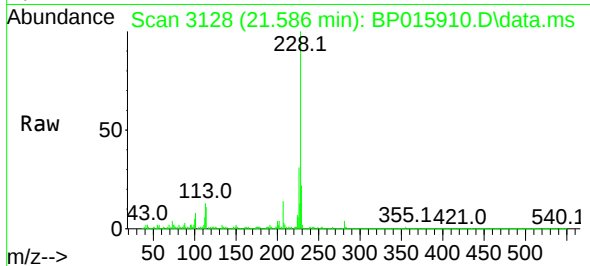
226 27.1 21.4 32.0





#87
Chrysene
Concen: 22.020 ng/ul
RT: 21.586 min Scan# 3128
Delta R.T. -0.000 min
Lab File: BP015910.D
Acq: 02 Jul 2023 06:40

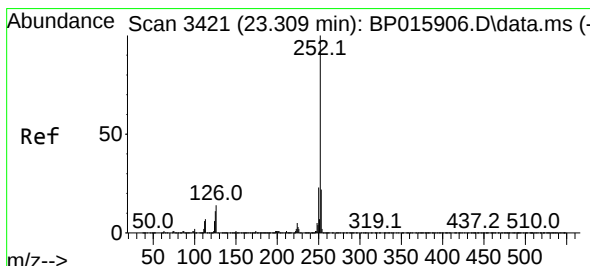
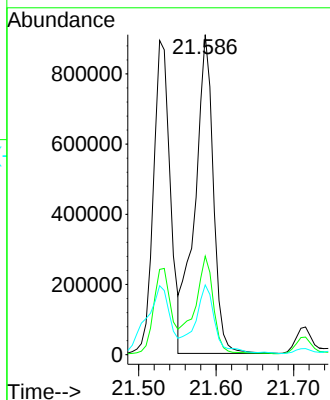
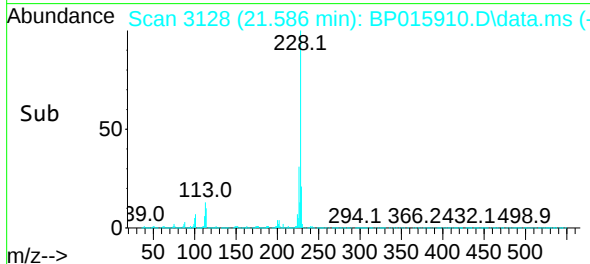
Instrument :
BNA_P
ClientSampleId :
DCGC4



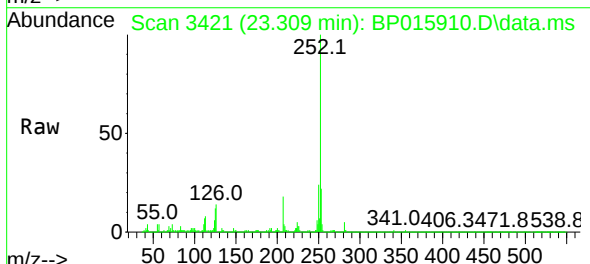
Tgt Ion:228 Resp: 1506864
Ion Ratio Lower Upper
228 100
226 30.8 24.3 36.5
229 21.8 15.5 23.3

Manual Integrations
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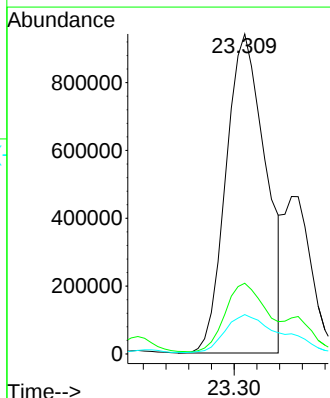
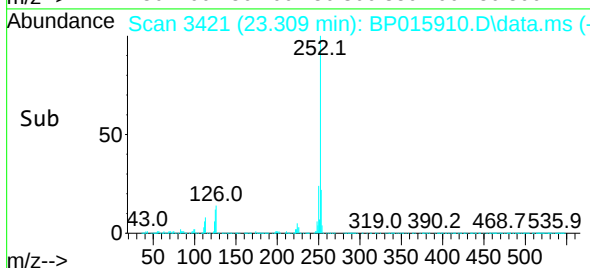
Reviewed By :Yogesh Patel 07/02/2023
Supervised By :mohammad ahmed 07/03/2023

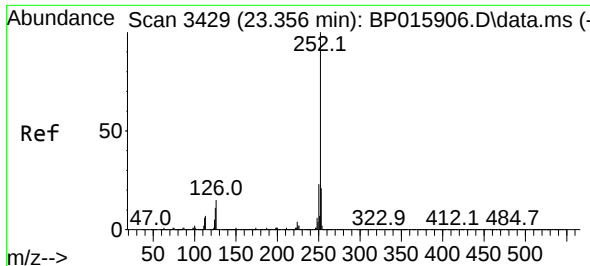


#90
Benzo(b)fluoranthene
Concen: 33.436 ng/ul
RT: 23.309 min Scan# 3421
Delta R.T. -0.000 min
Lab File: BP015910.D
Acq: 02 Jul 2023 06:40



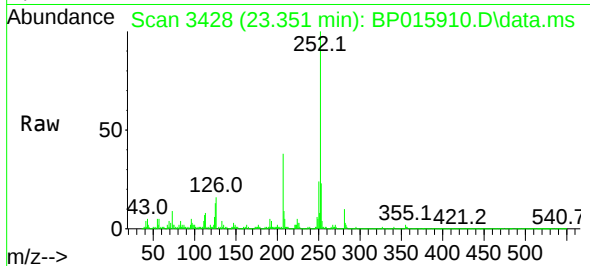
Tgt Ion:252 Resp: 2282410
Ion Ratio Lower Upper
252 100
253 22.1 17.3 25.9
125 12.3 7.5 11.3





#91
Benzo(k)fluoranthene
Concen: 11.529 ng/ul m
RT: 23.351 min Scan# 3429
Delta R.T. -0.006 min
Lab File: BP015910.D
Acq: 02 Jul 2023 06:40

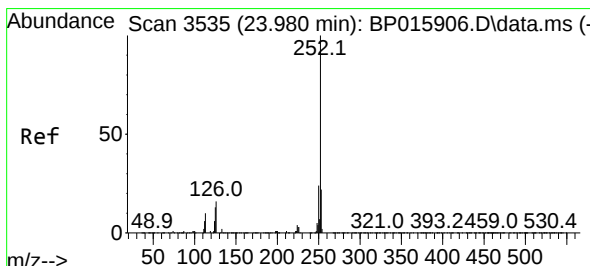
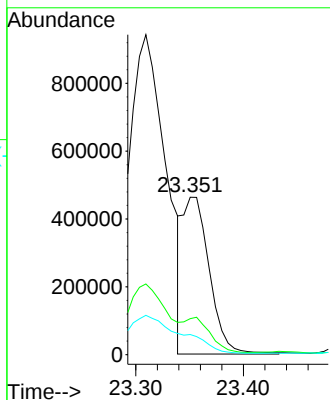
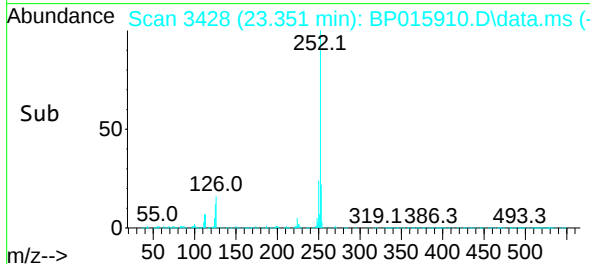
Instrument :
BNA_P
ClientSampleId :
DCGC4



Tgt Ion:252 Resp: 795168
Ion Ratio Lower Upper
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253 22.9 17.0 25.4
125 12.8 7.3 10.9

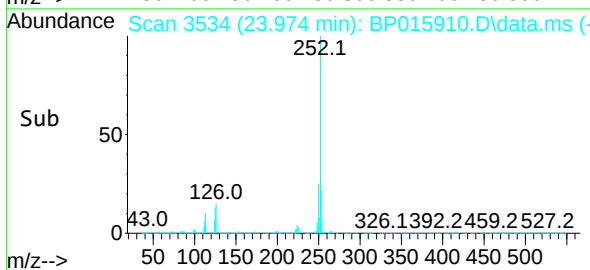
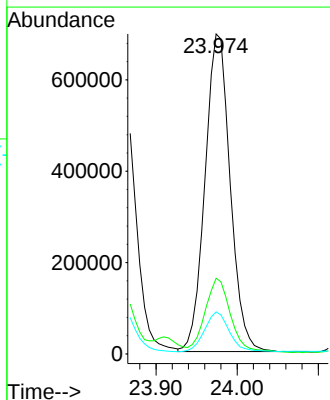
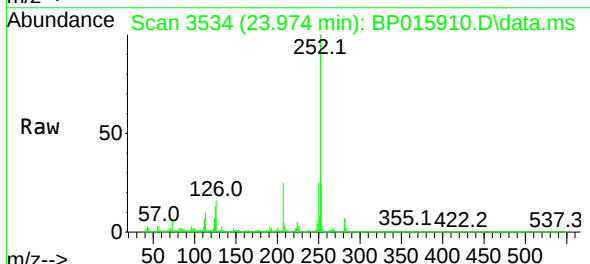
Manual Integrations
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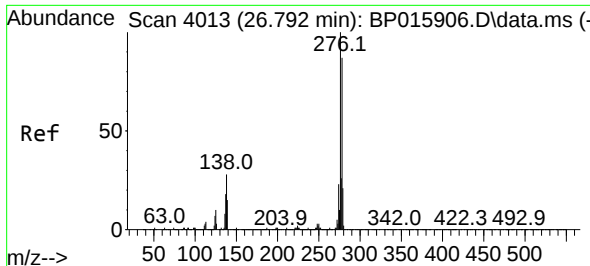
Reviewed By :Yogesh Patel 07/02/2023
Supervised By :mohammad ahmed 07/03/2023



#93
Benzo(a)pyrene
Concen: 25.129 ng/ul
RT: 23.974 min Scan# 3534
Delta R.T. -0.006 min
Lab File: BP015910.D
Acq: 02 Jul 2023 06:40

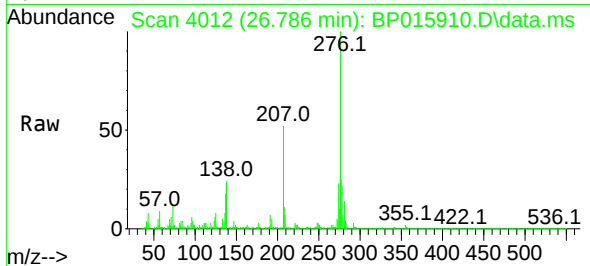
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Ion Ratio Lower Upper
252 100
253 23.6 17.7 26.5
125 13.2 8.2 12.2





#94
Indeno(1,2,3-cd)pyrene
Concen: 14.854 ng/ul
RT: 26.786 min Scan# 4012
Delta R.T. -0.006 min
Lab File: BP015910.D
Acq: 02 Jul 2023 06:40

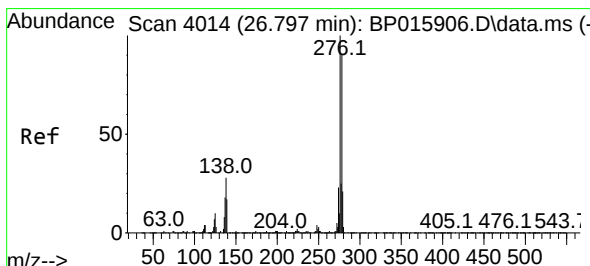
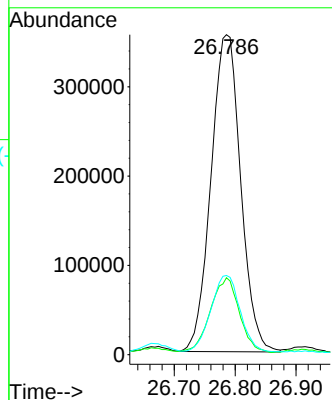
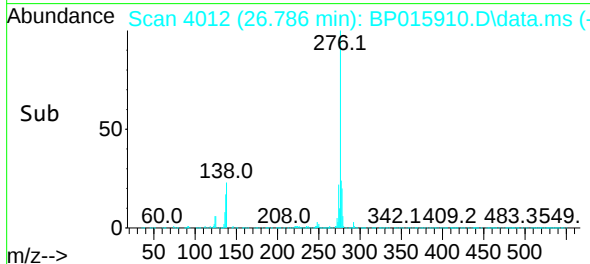
Instrument :
BNA_P
ClientSampleId :
DCGC4



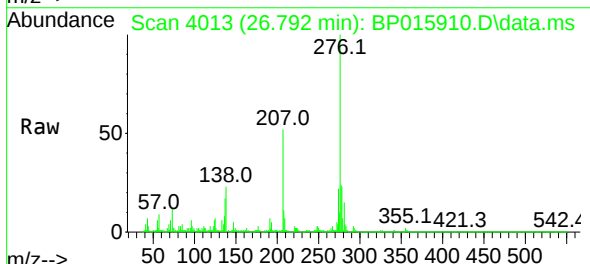
Tgt Ion: 276 Resp: 120274
Ion Ratio Lower Upper
276 100
138 24.0 15.7 23.5
277 24.7 19.6 29.4

Manual Integrations
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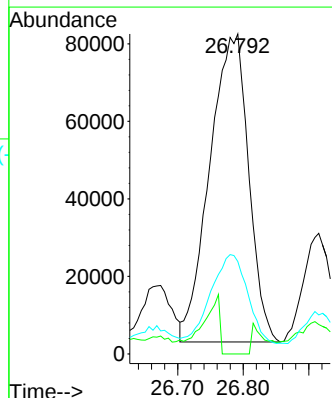
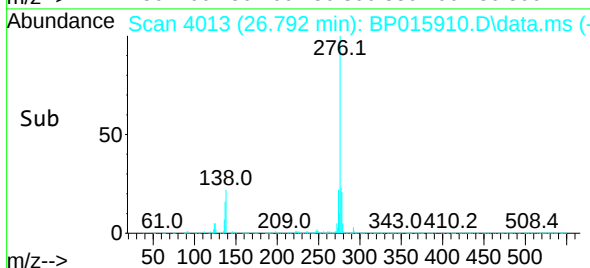
Reviewed By :Yogesh Patel 07/02/2023
Supervised By :mohammad ahmed 07/03/2023

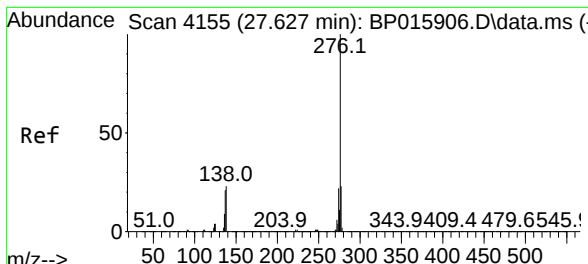


#95
Dibenzo(a,h)anthracene
Concen: 4.918 ng/ul
RT: 26.792 min Scan# 4013
Delta R.T. -0.006 min
Lab File: BP015910.D
Acq: 02 Jul 2023 06:40



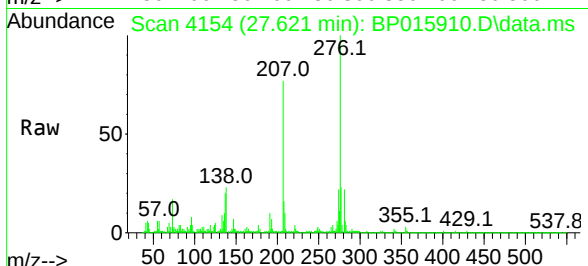
Tgt Ion: 278 Resp: 327071
Ion Ratio Lower Upper
278 100
139 0.0 10.5 15.7#
279 28.9 18.4 27.6#





#96
 Benzo(g,h,i)perylene
 Concen: 13.600 ng/ul
 RT: 27.621 min Scan# 4154
 Delta R.T. -0.006 min
 Lab File: BP015910.D
 Acq: 02 Jul 2023 06:40

Instrument :
 BNA_P
 ClientSampleId :
 DCGC4



Tgt Ion: 276 Resp: 90593

Ion	Ratio	Lower	Upper
276	100		
138	23.0	15.1	22.7
277	23.3	18.8	28.2

Manual Integrations
 APPROVED

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 Supervised By :mohammad ahmed 07/03/2023

