

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061923\
 Data File : BP015609.D
 Acq On : 19 Jun 2023 18:21
 Operator : MA/JU
 Sample : 03080-14
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DCFJ3

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/20/2023
 Supervised By :mohammad ahmed 06/21/2023

Quant Time: Jun 19 23:25:08 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP060723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jun 15 05:36:46 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.087	152	80975	20.000	ng/u1	0.00
20) Naphthalene-d8	10.910	136	376900	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.728	164	249524	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.481	188	552437	20.000	ng/u1	0.00
79) Chrysene-d12	21.569	240	386694	20.000	ng/u1	0.00
88) Perylene-d12	24.121	264	415242	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.405	96	13259	6.063	ng/uL	0.00
4) Pyridine-d5	3.852	84	145758	25.661	ng/u1	0.00
7) Phenol-d5	7.246	99	331042	44.376	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.405	67	200087	44.911	ng/u1	0.00
11) 2-Chlorophenol-d4	7.611	132	267486	49.455	ng/u1	0.00
15) 4-Methylphenol-d8	8.805	113	253495	41.404	ng/u1	0.00
21) Nitrobenzene-d5	9.263	128	135648	45.842	ng/u1	0.00
24) 2-Nitrophenol-d4	9.987	143	156552	46.328	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.534	165	279050	45.269	ng/u1	0.00
31) 4-Chloroaniline-d4	11.063	131	118821	13.429	ng/u1	0.00
46) Dimethylphthalate-d6	14.134	166	917215	46.615	ng/u1	0.00
49) Acenaphthylene-d8	14.422	160	1054207	48.998	ng/u1	0.00
54) 4-Nitrophenol-d4	14.945	143	107596	30.536	ng/u1	0.01
60) Fluorene-d10	15.722	176	793848	47.843	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.851	200	122428	34.982	ng/u1	0.00
73) Anthracene-d10	17.581	188	1243903	49.489	ng/u1	0.00
81) Pyrene-d10	19.810	212	1327879	64.160	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.957	264	1031661	49.515	ng/u1	0.00
Target Compounds						
					Qvalue	
30) Naphthalene	10.963	128	48997	2.399	ng/u1	96
36) 2-Methylnaphthalene	12.563	142	15044	1.048	ng/u1	98
50) Acenaphthylene	14.451	152	204303	8.575	ng/u1	98
52) Acenaphthene	14.793	153	31242	1.897	ng/u1	98
61) Fluorene	15.775	166	30866	1.622	ng/u1#	95
72) Phenanthrene	17.528	178	968799	32.679	ng/u1	100
74) Anthracene	17.616	178	280099	9.312	ng/u1	98
80) Fluoranthene	19.486	202	3163229	125.474	ng/u1	97
82) Pyrene	19.839	202	2921759	112.022	ng/u1	97
85) Benzo(a)anthracene	21.551	228	1542579	57.063	ng/u1	98
87) Chrysene	21.610	228	1813065	70.956	ng/u1	96
90) Benzo(b)fluoranthene	23.345	252	3484141	129.986	ng/u1	99
91) Benzo(k)fluoranthene	23.380	252	934554m	36.069	ng/u1	
93) Benzo(a)pyrene	24.010	252	2127168	91.025	ng/u1	98
94) Indeno(1,2,3-cd)pyrene	26.827	276	1893499	62.608	ng/u1	96
95) Dibenzo(a,h)anthracene	26.827	278	473525	19.218	ng/u1#	79
96) Benzo(g,h,i)perylene	27.668	276	1775908	71.254	ng/u1	98

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

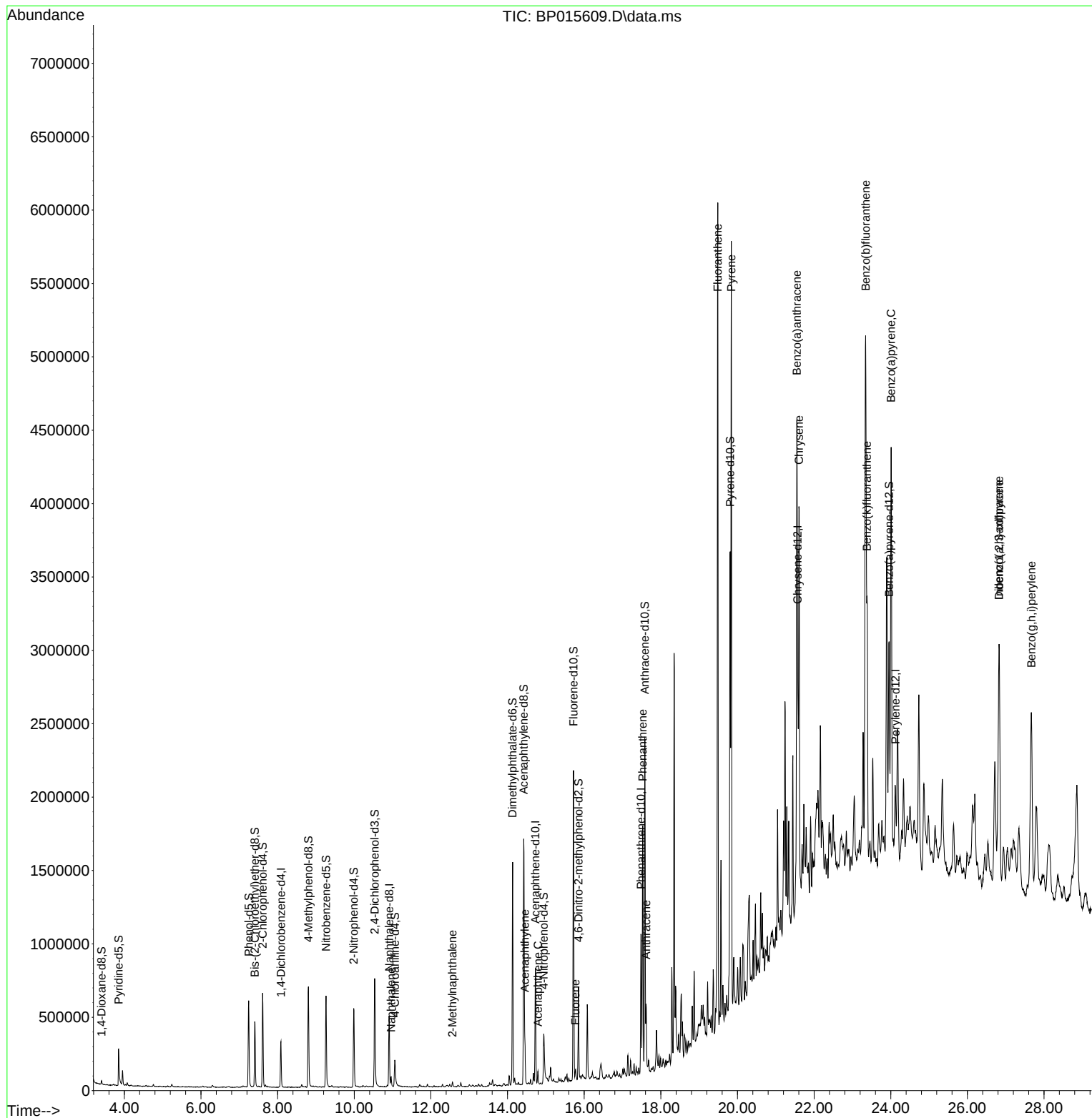
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061923\
 Data File : BP015609.D
 Acq On : 19 Jun 2023 18:21
 Operator : MA/JU
 Sample : 03080-14
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

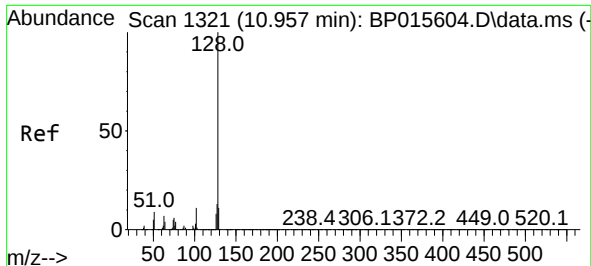
Instrument :
 BNA_P
 ClientSampleId :
 DCFJ3

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/20/2023
 Supervised By :mohammad ahmed 06/21/2023

Quant Time: Jun 19 23:25:08 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP060723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jun 15 05:36:46 2023
 Response via : Initial Calibration





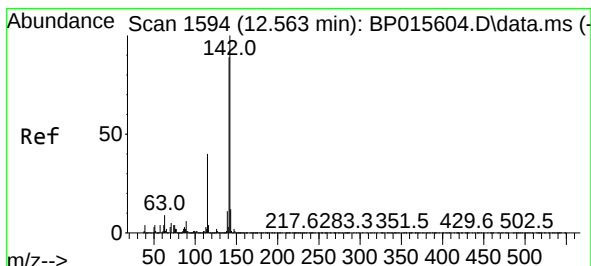
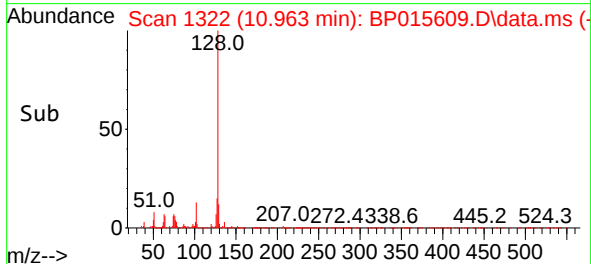
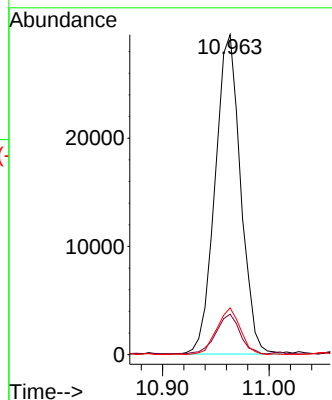
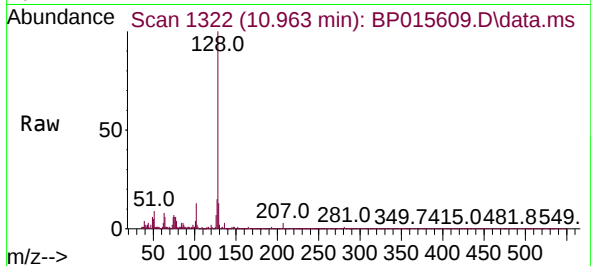
#30
Naphthalene
Concen: 2.399 ng/ul
RT: 10.963 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP015609.D
Acq: 19 Jun 2023 18:21

Instrument :
BNA_P
ClientSampleId :
DCFJ3

Tgt Ion:128 Resp: 4899
Ion Ratio Lower Upper
128 100
129 12.7 8.6 13.0
127 14.6 10.5 15.7

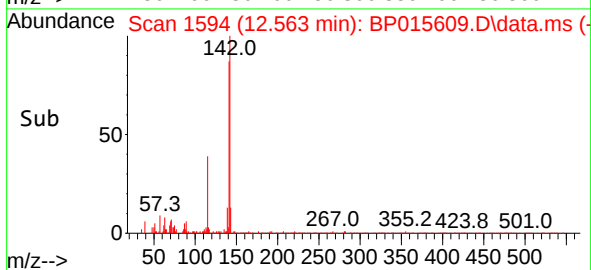
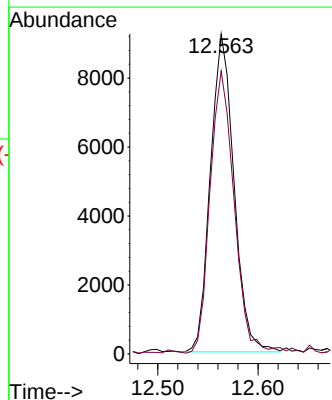
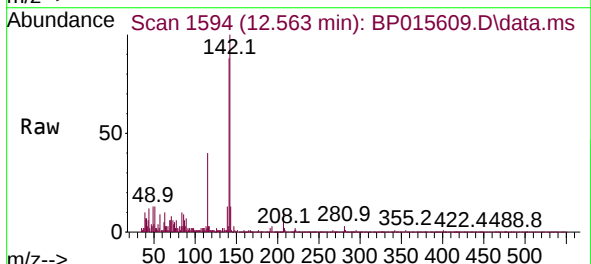
Manual Integrations
APPROVED

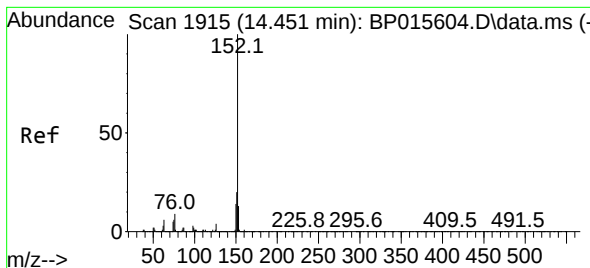
Reviewed By :Yogesh Patel 06/20/2023
Supervised By :mohammad ahmed 06/21/2023



#36
2-Methylnaphthalene
Concen: 1.048 ng/ul
RT: 12.563 min Scan# 1594
Delta R.T. 0.000 min
Lab File: BP015609.D
Acq: 19 Jun 2023 18:21

Tgt Ion:142 Resp: 15044
Ion Ratio Lower Upper
142 100
141 88.4 72.0 108.0





#50

Acenaphthylene

Concen: 8.575 ng/ul

RT: 14.451 min Scan# 1915

Delta R.T. 0.000 min

Lab File: BP015609.D

Acq: 19 Jun 2023 18:21

Instrument :

BNP_P

ClientSampleId :

DCFJ3

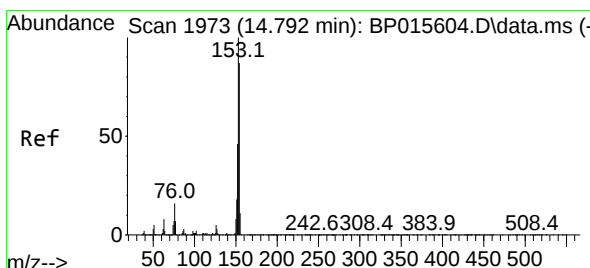
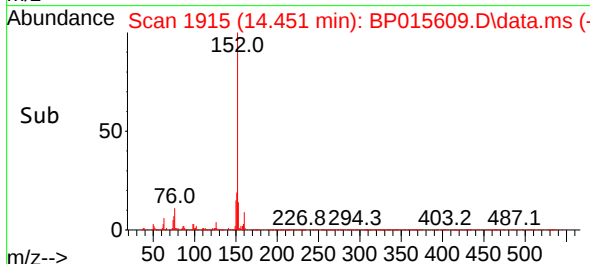
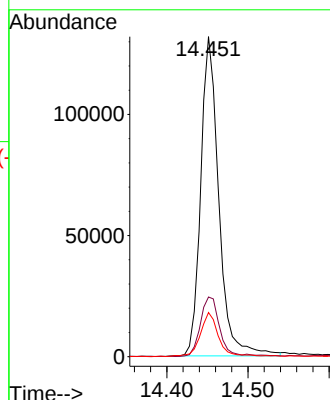
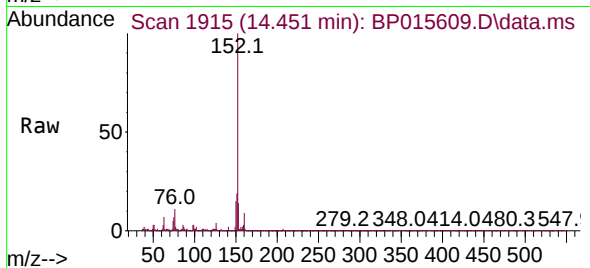
Tgt Ion:	152	Resp:	20430
Ion Ratio	Lower	Upper	
152	100		
151	18.7	16.0	24.0
153	13.8	10.6	15.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/20/2023

Supervised By :mohammad ahmed 06/21/2023



#52

Acenaphthene

Concen: 1.897 ng/ul

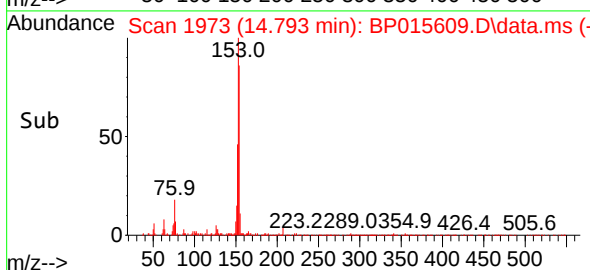
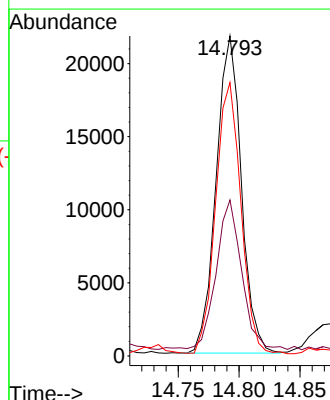
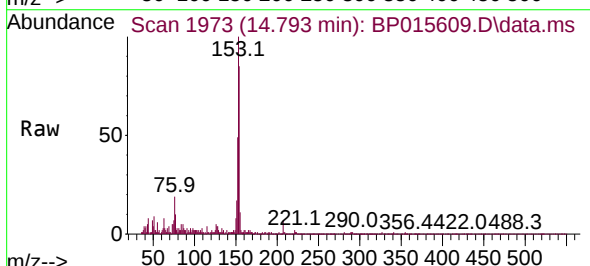
RT: 14.793 min Scan# 1973

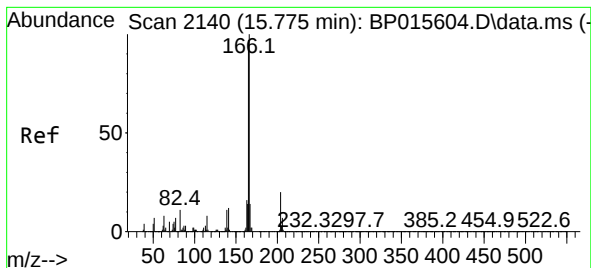
Delta R.T. 0.000 min

Lab File: BP015609.D

Acq: 19 Jun 2023 18:21

Tgt Ion:	153	Resp:	31242
Ion Ratio	Lower	Upper	
153	100		
152	48.7	38.3	57.5
154	85.5	69.8	104.6





#61

Fluorene

Concen: 1.622 ng/ul

RT: 15.775 min Scan# 2140

Delta R.T. -0.006 min

Lab File: BP015609.D

Acq: 19 Jun 2023 18:21

Instrument :

BNA_P

ClientSampleId :

DCFJ3

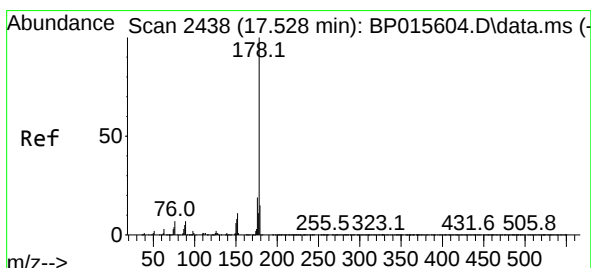
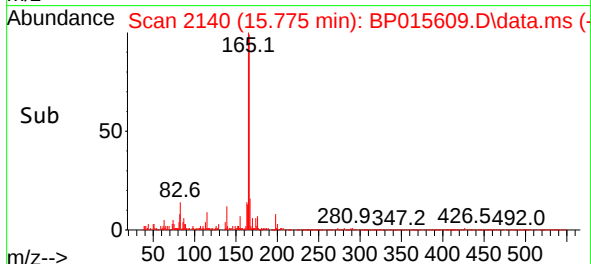
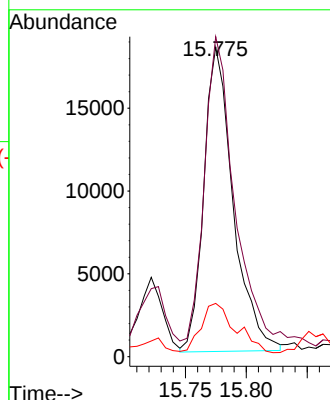
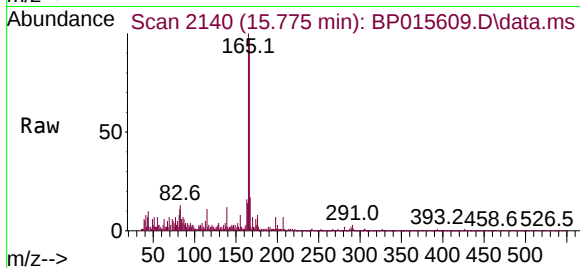
Tgt Ion:	166	Resp:	3086
Ion Ratio	Lower	Upper	
166	100		
165	103.3	79.1	118.7
167	17.2	10.6	16.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/20/2023

Supervised By :mohammad ahmed 06/21/2023



#72

Phenanthrene

Concen: 32.679 ng/ul

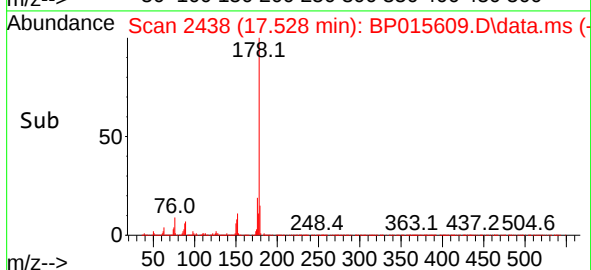
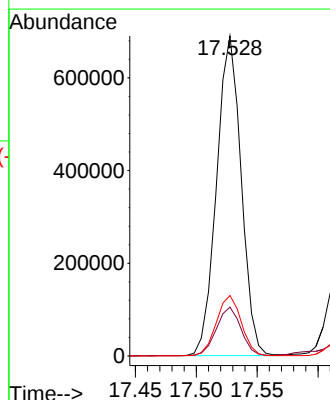
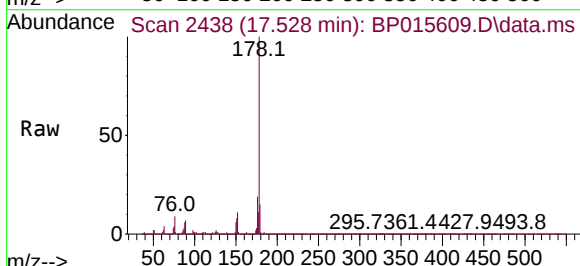
RT: 17.528 min Scan# 2438

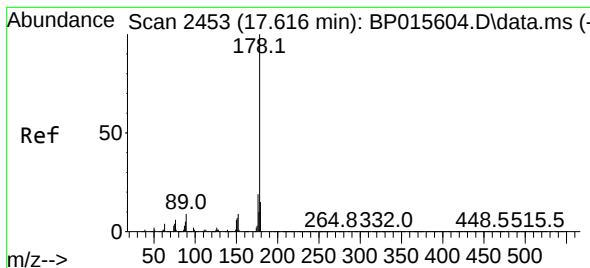
Delta R.T. 0.000 min

Lab File: BP015609.D

Acq: 19 Jun 2023 18:21

Tgt Ion:	178	Resp:	968799
Ion Ratio	Lower	Upper	
178	100		
179	15.3	12.3	18.5
176	18.9	15.4	23.0





#74

Anthracene

Concen: 9.312 ng/ul

RT: 17.616 min Scan# 2453

Delta R.T. -0.006 min

Lab File: BP015609.D

Acq: 19 Jun 2023 18:21

Instrument :

BNA_P

ClientSampleId :

DCFJ3

Tgt Ion:178 Resp: 280095

Ion Ratio Lower Upper

178 100

179 14.9 12.4 18.6

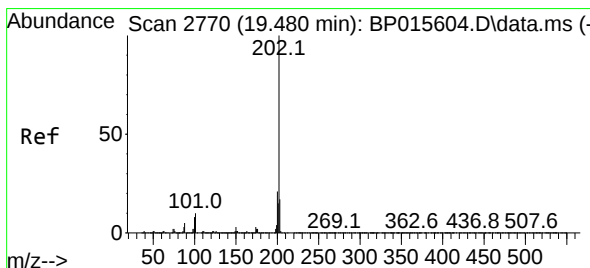
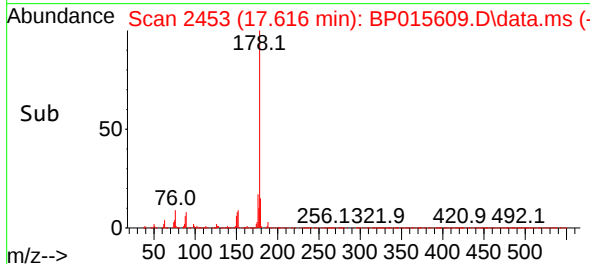
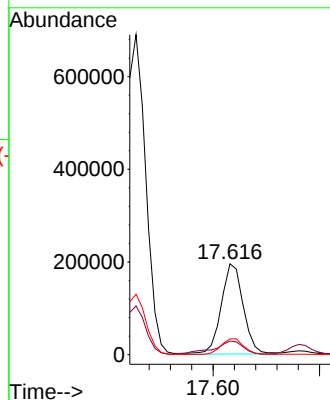
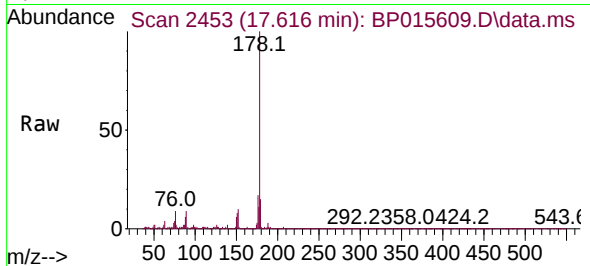
176 17.2 15.0 22.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/20/2023

Supervised By :mohammad ahmed 06/21/2023



#80

Fluoranthene

Concen: 125.474 ng/ul

RT: 19.486 min Scan# 2771

Delta R.T. 0.000 min

Lab File: BP015609.D

Acq: 19 Jun 2023 18:21

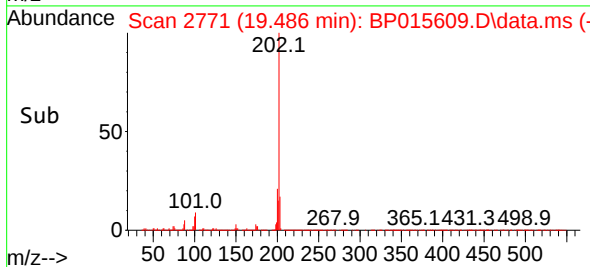
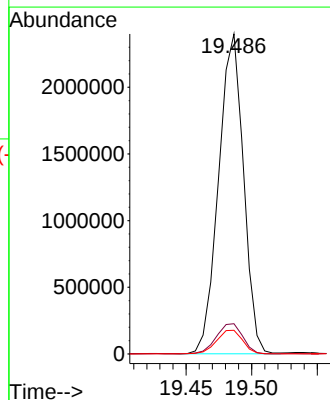
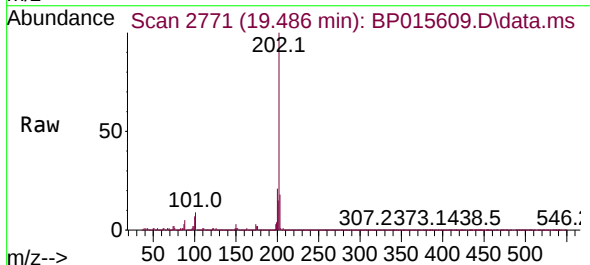
Tgt Ion:202 Resp: 3163229

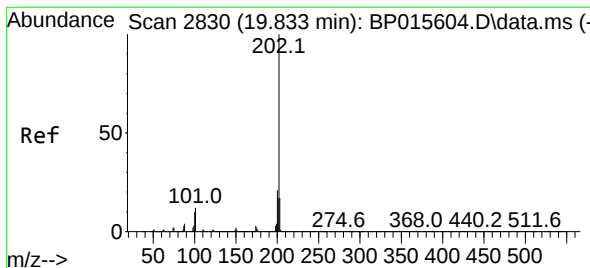
Ion Ratio Lower Upper

202 100

101 9.5 8.6 13.0

100 7.4 6.6 9.8





#82

Pyrene

Concen: 112.022 ng/ul

RT: 19.839 min Scan# 2830

Delta R.T. 0.000 min

Lab File: BP015609.D

Acq: 19 Jun 2023 18:21

Instrument :

BNA_P

ClientSampleId :

DCFJ3

Tgt Ion:202 Resp: 2921759

Ion Ratio Lower Upper

202 100

101 11.2 9.9 14.9

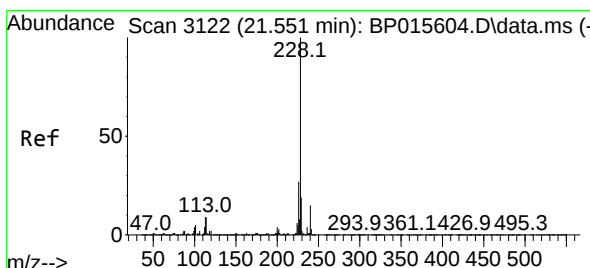
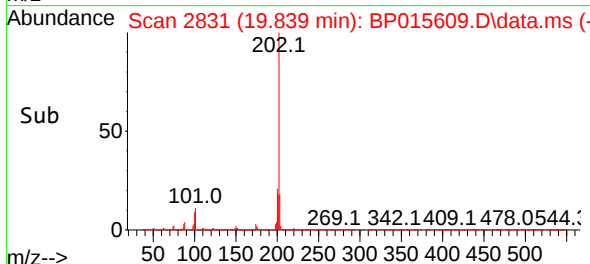
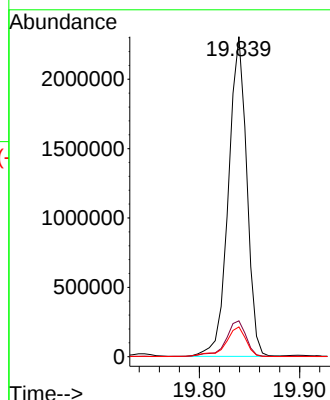
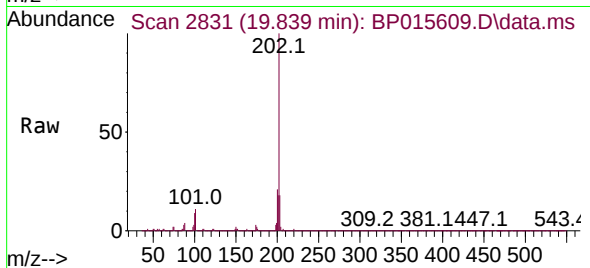
100 9.3 8.4 12.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/20/2023

Supervised By :mohammad ahmed 06/21/2023



#85

Benzo(a)anthracene

Concen: 57.063 ng/ul

RT: 21.551 min Scan# 3122

Delta R.T. 0.000 min

Lab File: BP015609.D

Acq: 19 Jun 2023 18:21

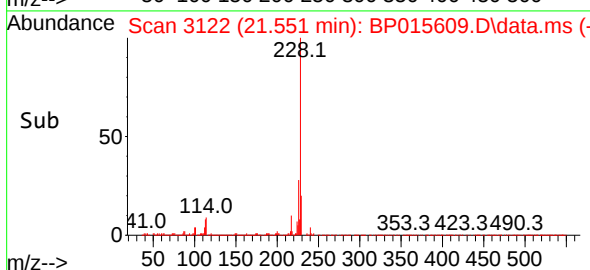
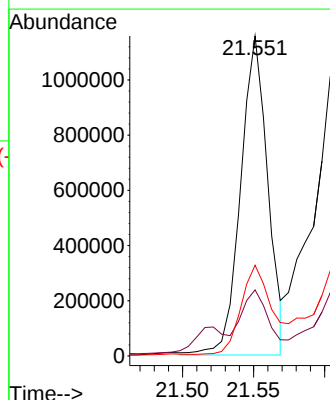
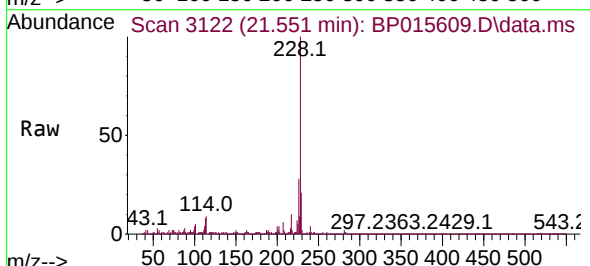
Tgt Ion:228 Resp: 1542579

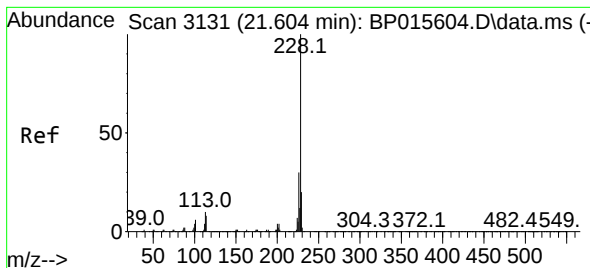
Ion Ratio Lower Upper

228 100

229 20.6 15.8 23.6

226 28.4 21.8 32.6





#87

Chrysene

Concen: 70.956 ng/u1

RT: 21.610 min Scan# 3131

Delta R.T. 0.000 min

Lab File: BP015609.D

Acq: 19 Jun 2023 18:21

Instrument :

BNA_P

ClientSampleId :

DCFJ3

Tgt Ion:228 Resp: 181306

Ion Ratio Lower Upper

228 100

226 30.6 23.9 35.9

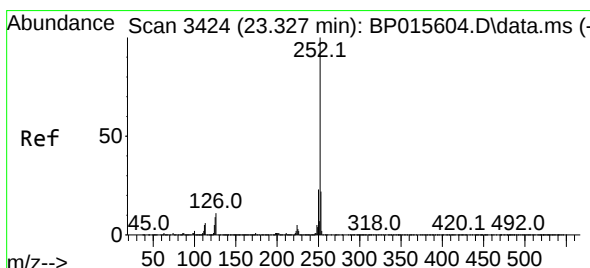
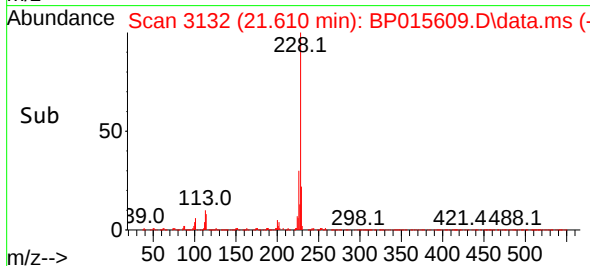
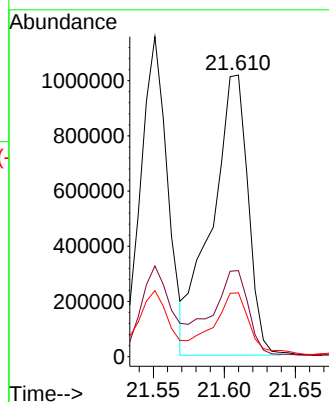
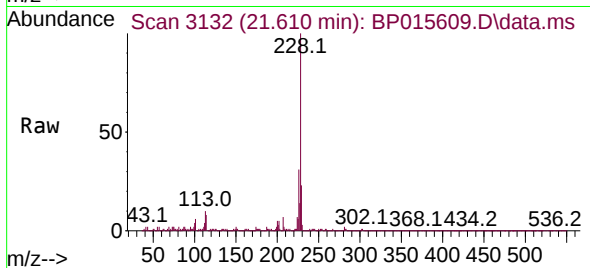
229 22.7 15.1 22.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/20/2023

Supervised By :mohammad ahmed 06/21/2023



#90

Benzo(b)fluoranthene

Concen: 129.986 ng/u1

RT: 23.345 min Scan# 3427

Delta R.T. 0.018 min

Lab File: BP015609.D

Acq: 19 Jun 2023 18:21

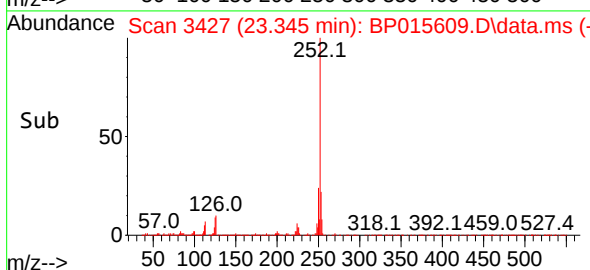
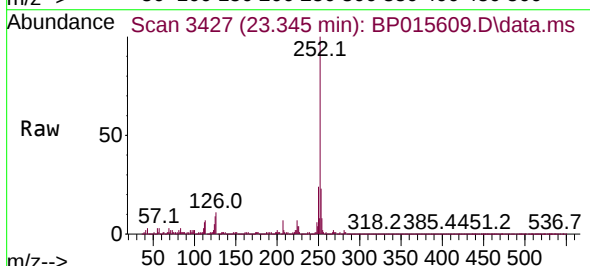
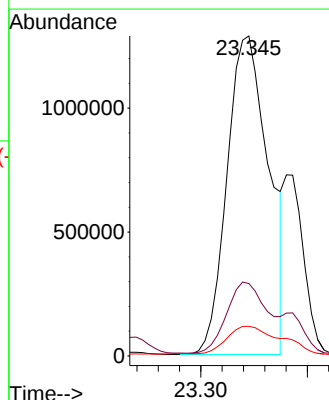
Tgt Ion:252 Resp: 3484141

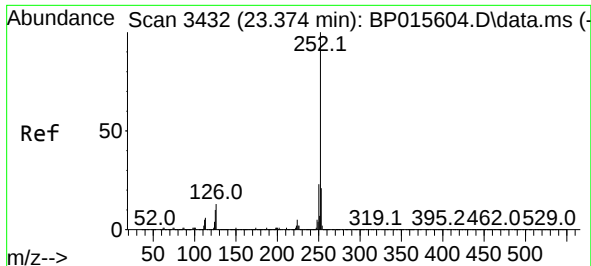
Ion Ratio Lower Upper

252 100

253 22.7 17.4 26.2

125 9.3 7.3 10.9





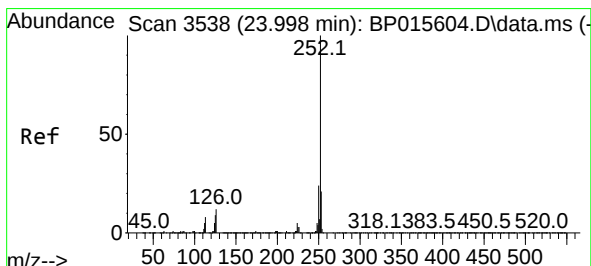
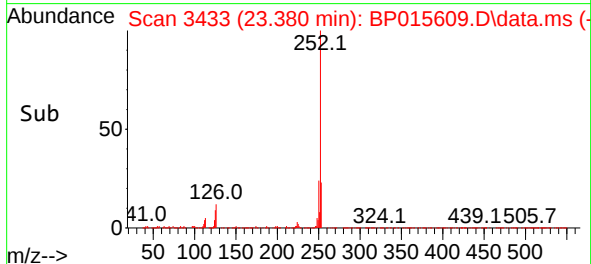
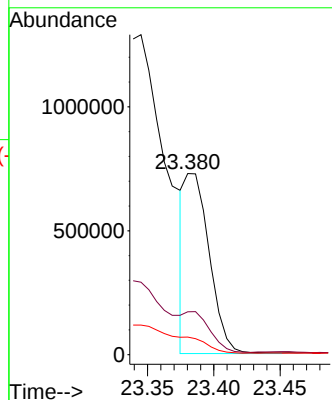
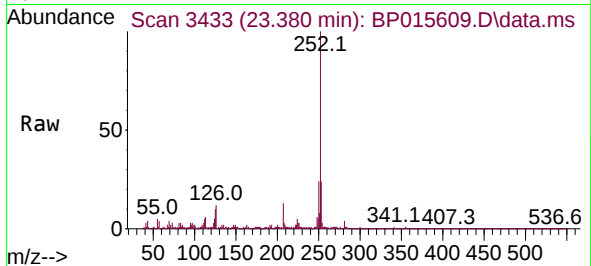
#91
Benzo(k)fluoranthene
Concen: 36.069 ng/ul m
RT: 23.380 min Scan# 3432
Delta R.T. 0.000 min
Lab File: BP015609.D
Acq: 19 Jun 2023 18:21

Instrument :
BNA_P
ClientSampleId :
DCFJ3

Tgt Ion:252 Resp: 934554
Ion Ratio Lower Upper
252 100
253 23.7 17.7 26.5
125 9.7 7.3 10.9

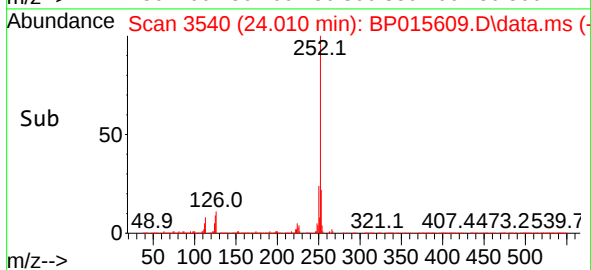
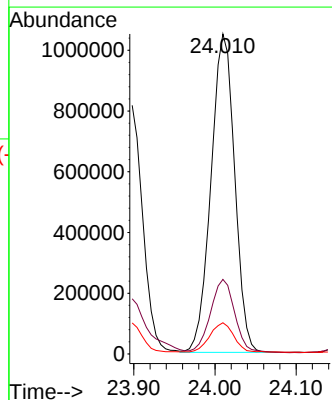
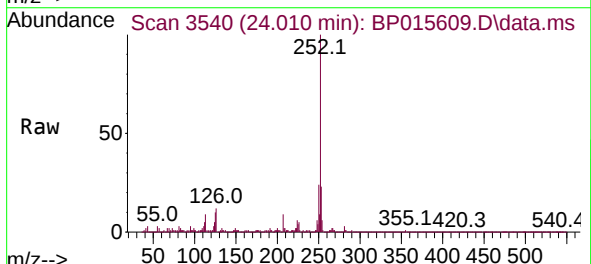
Manual Integrations
APPROVED

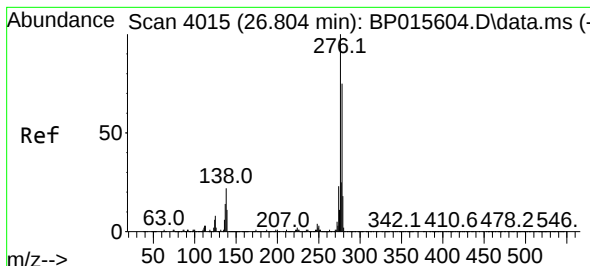
Reviewed By :Yogesh Patel 06/20/2023
Supervised By :mohammad ahmed 06/21/2023



#93
Benzo(a)pyrene
Concen: 91.025 ng/ul
RT: 24.010 min Scan# 3540
Delta R.T. 0.006 min
Lab File: BP015609.D
Acq: 19 Jun 2023 18:21

Tgt Ion:252 Resp: 2127168
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.6
125 9.8 8.1 12.1





#94

Indeno(1,2,3-cd)pyrene

Concen: 62.608 ng/ul

RT: 26.827 min Scan# 4019

Delta R.T. 0.018 min

Lab File: BP015609.D

Acq: 19 Jun 2023 18:21

Instrument :

BNA_P

ClientSampleId :

DCFJ3

Tgt Ion:276 Resp: 1893499

Ion Ratio Lower Upper

276 100

138 17.3 17.3 25.9

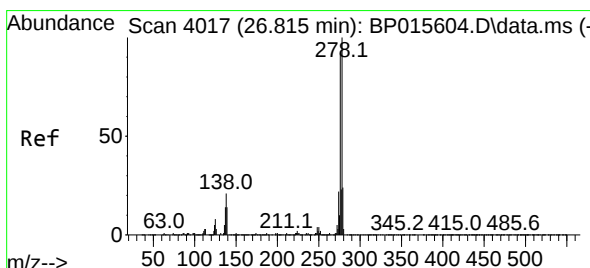
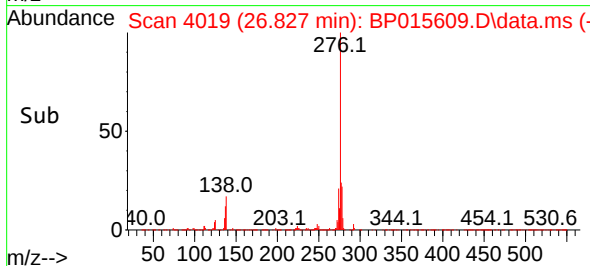
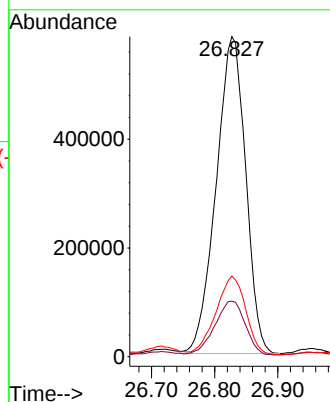
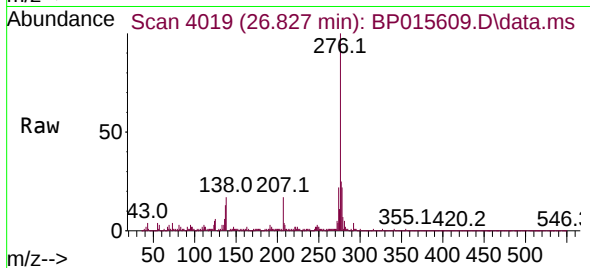
277 25.2 20.2 30.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/20/2023

Supervised By :mohammad ahmed 06/21/2023



#95

Dibenzo(a,h)anthracene

Concen: 19.218 ng/ul

RT: 26.827 min Scan# 4019

Delta R.T. 0.000 min

Lab File: BP015609.D

Acq: 19 Jun 2023 18:21

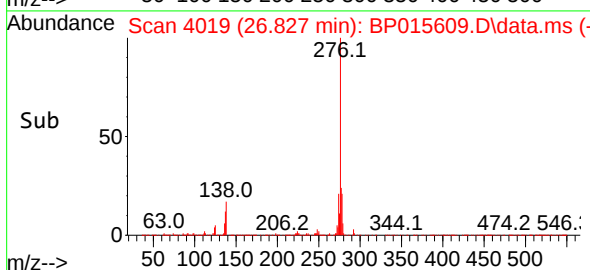
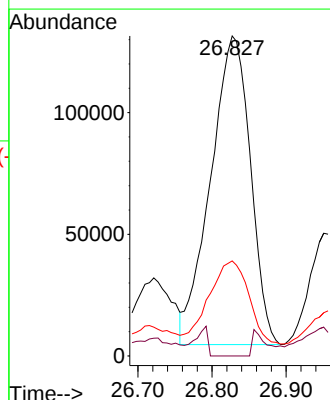
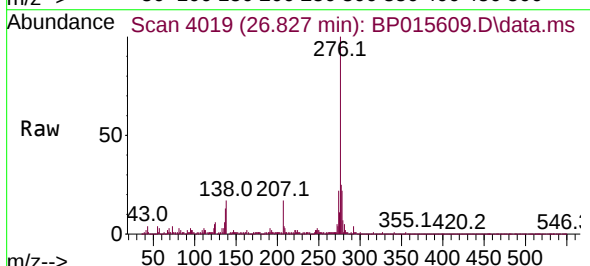
Tgt Ion:278 Resp: 473525

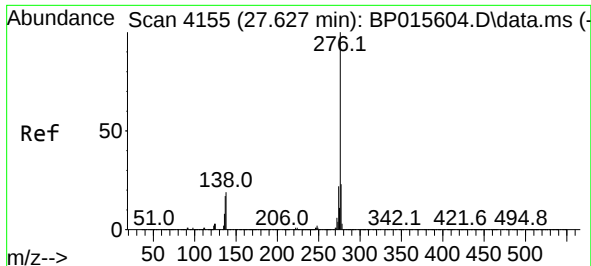
Ion Ratio Lower Upper

278 100

139 0.0 11.4 17.0#

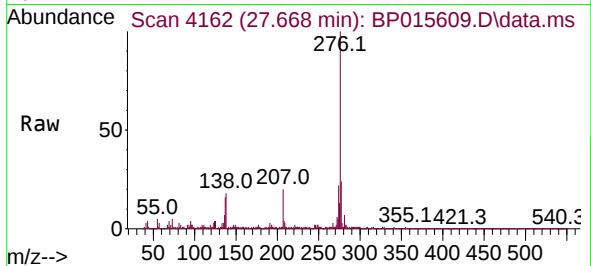
279 29.7 18.7 28.1#





#96
 Benzo(g,h,i)perylene
 Concen: 71.254 ng/ul
 RT: 27.668 min Scan# 41
 Delta R.T. 0.029 min
 Lab File: BP015609.D
 Acq: 19 Jun 2023 18:21

Instrument :
 BNA_P
 ClientSampleId :
 DCFJ3



Tgt Ion:276 Resp: 1775908
 Ion Ratio Lower Upper
 276 100
 138 17.9 15.6 23.4
 277 24.3 19.0 28.6

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/20/2023
 Supervised By :mohammad ahmed 06/21/2023

