

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP070423\
 Data File : BP015976.D
 Acq On : 04 Jul 2023 15:08
 Operator : MA/JU
 Sample : 03244-05
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DCGE4

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/05/2023
 Supervised By :mohammad ahmed 07/05/2023

Quant Time: Jul 04 22:58:54 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	8.040	152	384780	20.000	ng/u1	0.00
20) Naphthalene-d8	10.863	136	1690774	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.693	164	1046902	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.451	188	2173072	20.000	ng/u1	# 0.00
79) Chrysene-d12	21.545	240	1411660	20.000	ng/u1	0.00
88) Perylene-d12	24.086	264	1605262	20.000	ng/u1	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.370	96	46054	4.306	ng/uL	0.00
4) Pyridine-d5	3.817	84	466587	17.307	ng/u1	0.00
7) Phenol-d5	7.228	99	938690	28.512	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.364	67	645802	31.706	ng/u1	0.00
11) 2-Chlorophenol-d4	7.575	132	755134	30.385	ng/u1	0.00
15) 4-Methylphenol-d8	8.781	113	752442	28.931	ng/u1	0.00
21) Nitrobenzene-d5	9.228	128	399301	30.902	ng/u1	0.00
24) 2-Nitrophenol-d4	9.957	143	441346	29.265	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.522	165	724574	26.962	ng/u1	0.01
31) 4-Chloroaniline-d4	11.040	131	628135	18.195	ng/u1	0.01
46) Dimethylphthalate-d6	14.098	166	2417357	29.874	ng/u1	0.00
49) Acenaphthylene-d8	14.387	160	2791840	30.692	ng/u1	0.00
54) 4-Nitrophenol-d4	14.987	143	243369	22.791	ng/u1	0.04
60) Fluorene-d10	15.687	176	2045738	30.704	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.857	200	237516	17.773	ng/u1	0.00
73) Anthracene-d10	17.557	188	2954926	29.769	ng/u1	0.00
81) Pyrene-d10	19.786	212	2990011	32.437	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.921	264	2500338	30.877	ng/u1	0.00
Target Compounds						
					Qvalue	
30) Naphthalene	10.916	128	334580	3.640	ng/u1	100
36) 2-Methylnaphthalene	12.540	142	66549	1.100	ng/u1	98
50) Acenaphthylene	14.416	152	694356	6.928	ng/u1	100
61) Fluorene	15.745	166	136075	1.739	ng/u1	98
72) Phenanthrene	17.498	178	2477589	20.987	ng/u1	99
74) Anthracene	17.592	178	644978	5.437	ng/u1	100
80) Fluoranthene	19.457	202	6038207m	52.708	ng/u1	
82) Pyrene	19.810	202	4675476	40.009	ng/u1#	92
85) Benzo(a)anthracene	21.527	228	3019460	30.406	ng/u1	97
87) Chrysene	21.586	228	2845160	30.199	ng/u1	97
90) Benzo(b)fluoranthene	23.304	252	4340162	42.078	ng/u1#	96
91) Benzo(k)fluoranthene	23.351	252	1344396m	12.900	ng/u1	
93) Benzo(a)pyrene	23.974	252	2767642	30.708	ng/u1#	96
94) Indeno(1,2,3-cd)pyrene	26.792	276	2261233	18.482	ng/u1	97
95) Dibenzo(a,h)anthracene	26.786	278	599700	5.967	ng/u1#	79
96) Benzo(g,h,i)perylene	27.633	276	2046076	20.328	ng/u1	97

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

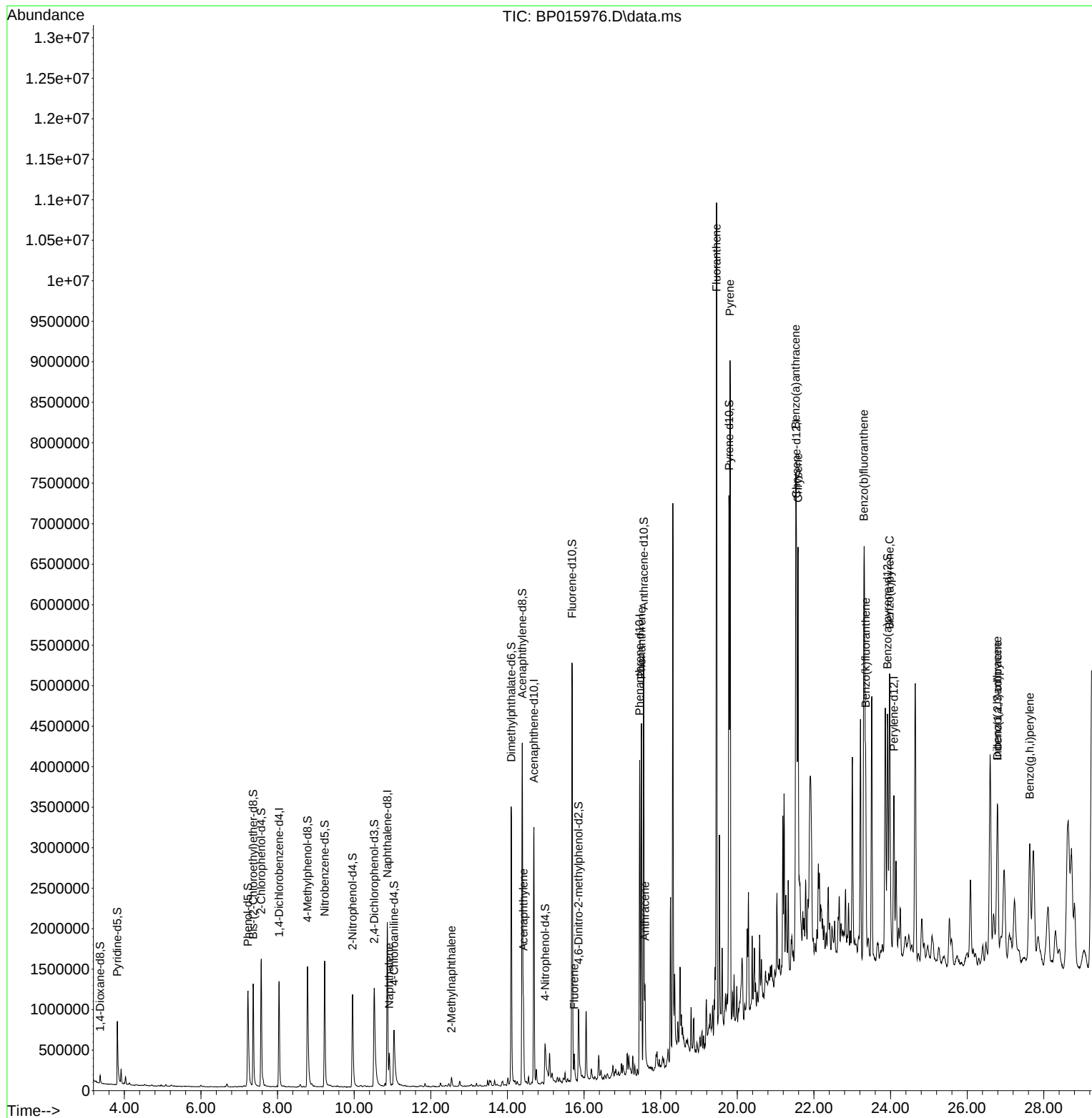
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP070423\
 Data File : BP015976.D
 Acq On : 04 Jul 2023 15:08
 Operator : MA/JU
 Sample : 03244-05
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

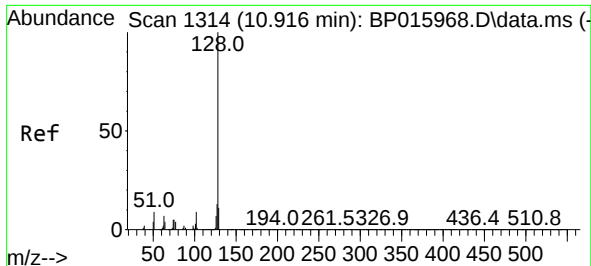
Instrument :
 BNA_P
 ClientSampleId :
 DCGE4

Quant Time: Jul 04 22:58:54 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

Manual Integrations APPROVED

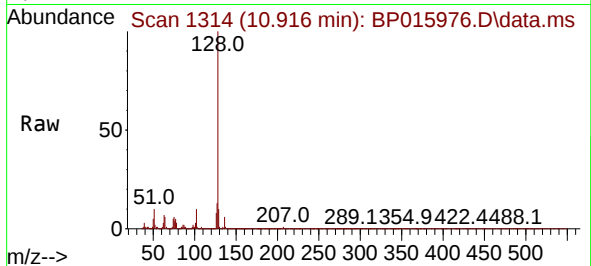
Reviewed By :Yogesh Patel 07/05/2023
 Supervised By :mohammad ahmed 07/05/2023





#30
Naphthalene
Concen: 3.640 ng/ul
RT: 10.916 min Scan# 11
Delta R.T. -0.005 min
Lab File: BP015976.D
Acq: 04 Jul 2023 15:08

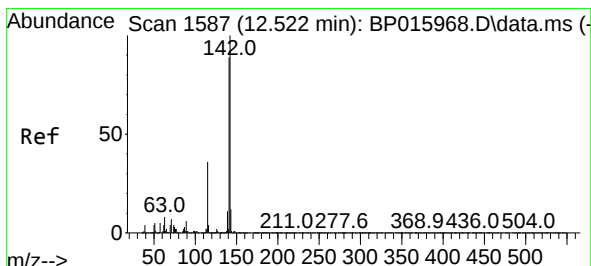
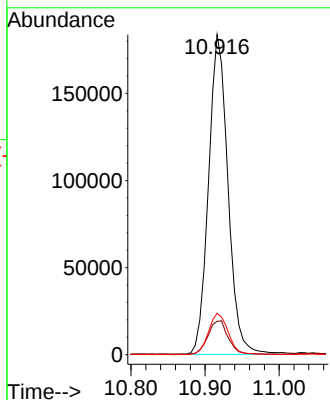
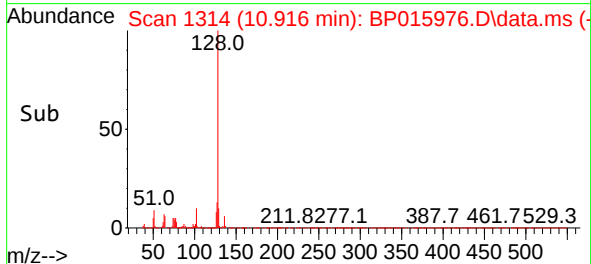
Instrument :
BNA_P
ClientSampleId :
DCGE4



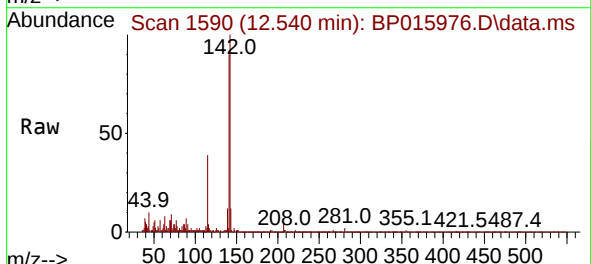
Tgt Ion:128 Resp: 334580
Ion Ratio Lower Upper
128 100
129 10.4 8.6 12.8
127 12.9 10.3 15.5

Manual Integrations
APPROVED

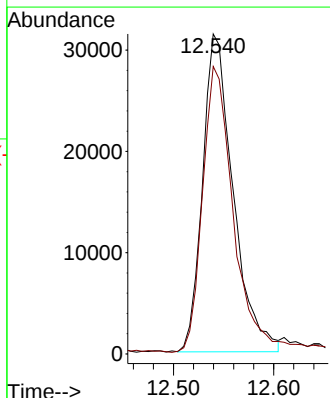
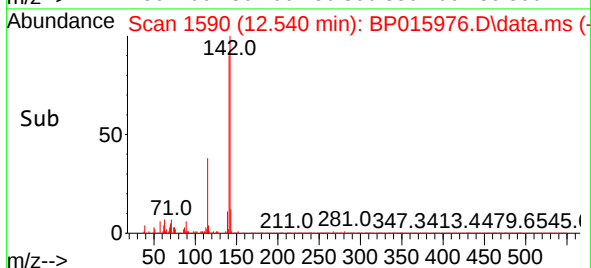
Reviewed By :Yogesh Patel 07/05/2023
Supervised By :mohammad ahmed 07/05/2023

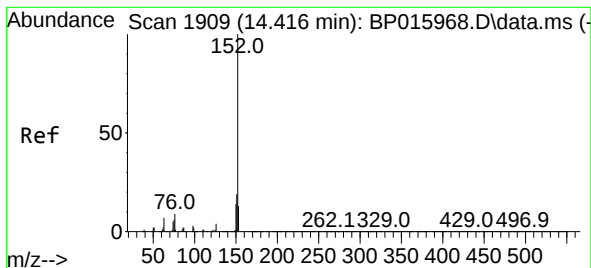


#36
2-Methylnaphthalene
Concen: 1.100 ng/ul
RT: 12.540 min Scan# 1590
Delta R.T. 0.012 min
Lab File: BP015976.D
Acq: 04 Jul 2023 15:08



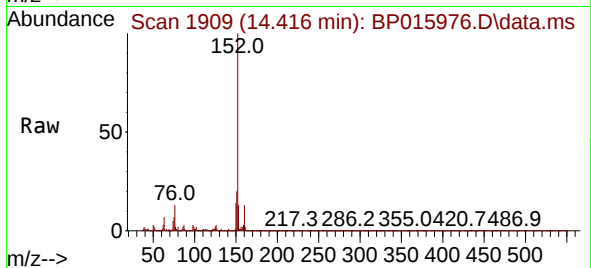
Tgt Ion:142 Resp: 66549
Ion Ratio Lower Upper
142 100
141 89.8 73.2 109.8





#50
Acenaphthylene
Concen: 6.928 ng/ul
RT: 14.416 min Scan# 1909
Delta R.T. -0.006 min
Lab File: BP015976.D
Acq: 04 Jul 2023 15:08

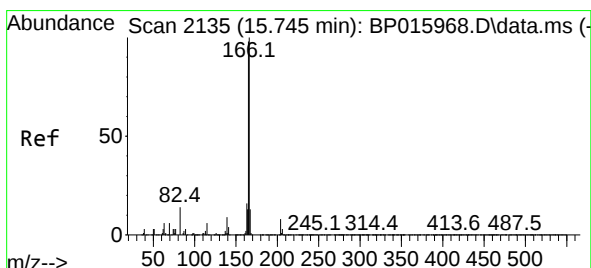
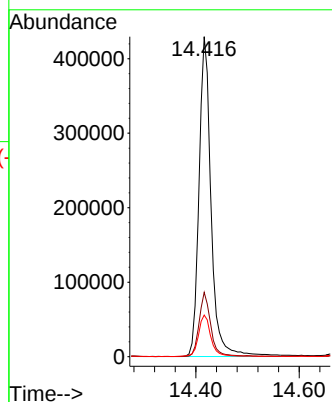
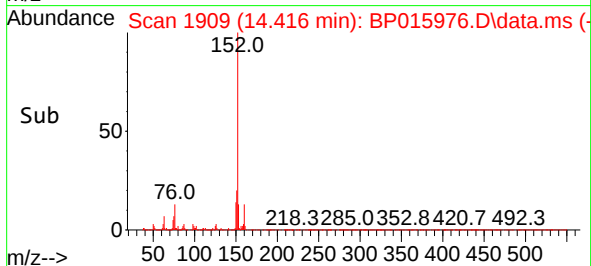
Instrument :
BNA_P
ClientSampleId :
DCGE4



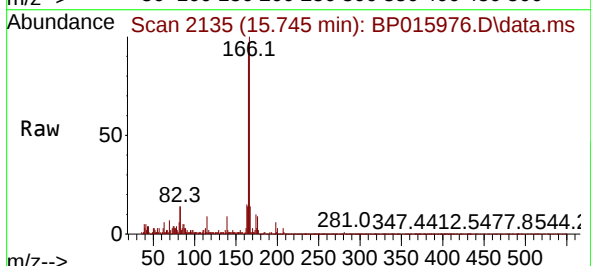
Tgt Ion:152 Resp: 694350
Ion Ratio Lower Upper
152 100
151 20.1 16.2 24.2
153 13.0 10.5 15.7

Manual Integrations
APPROVED

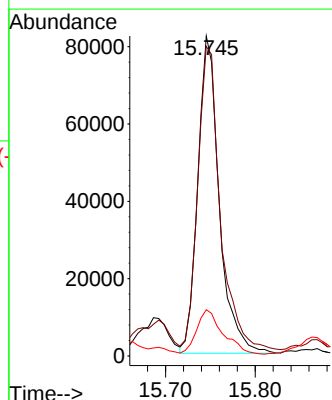
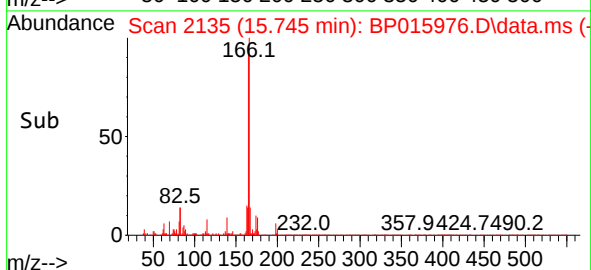
Reviewed By :Yogesh Patel 07/05/2023
Supervised By :mohammad ahmed 07/05/2023

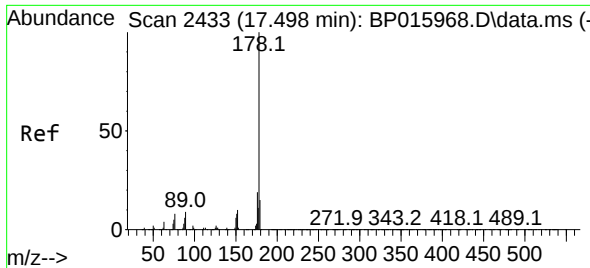


#61
Fluorene
Concen: 1.739 ng/ul
RT: 15.745 min Scan# 2135
Delta R.T. 0.000 min
Lab File: BP015976.D
Acq: 04 Jul 2023 15:08



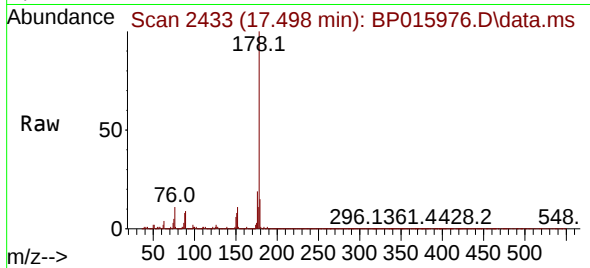
Tgt Ion:166 Resp: 136075
Ion Ratio Lower Upper
166 100
165 96.7 78.7 118.1
167 14.4 10.5 15.7





#72
Phenanthrene
Concen: 20.987 ng/ul
RT: 17.498 min Scan# 2433
Delta R.T. 0.000 min
Lab File: BP015976.D
Acq: 04 Jul 2023 15:08

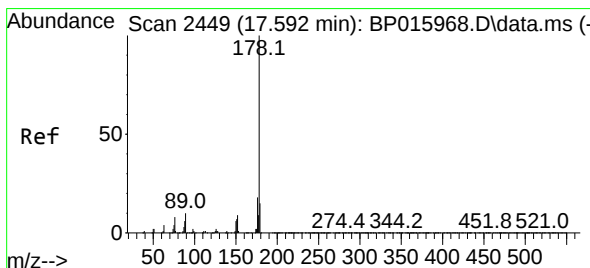
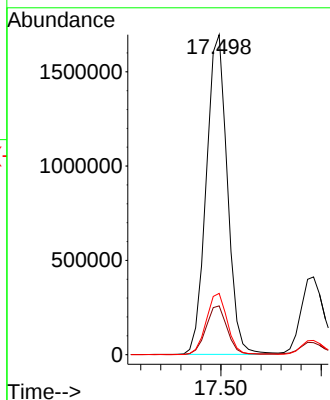
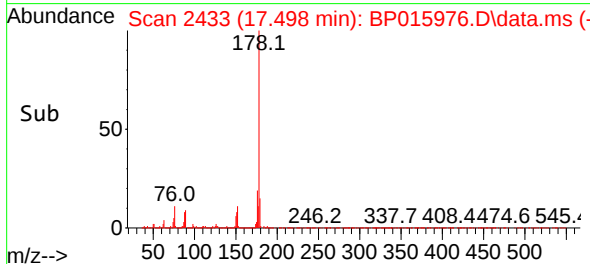
Instrument :
BNA_P
ClientSampleId :
DCGE4



Tgt Ion:178 Resp: 2477589
Ion Ratio Lower Upper
178 100
179 15.2 12.4 18.6
176 19.2 15.6 23.4

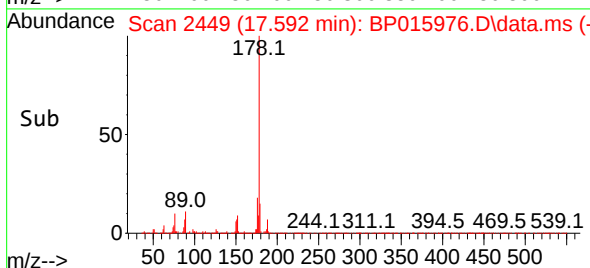
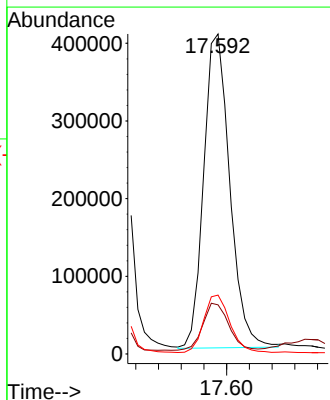
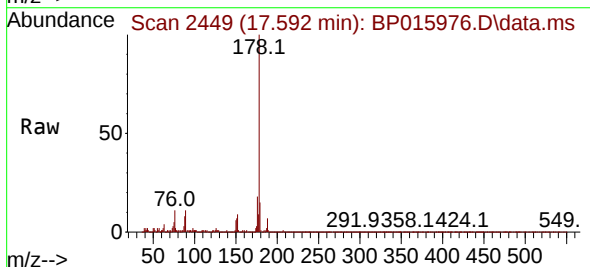
Manual Integrations
APPROVED

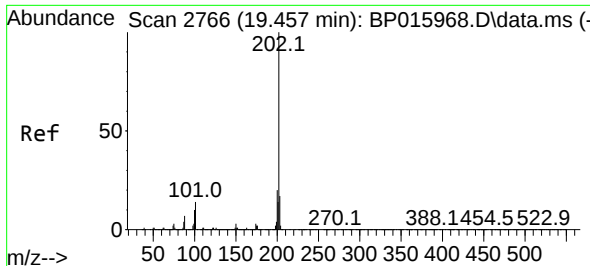
Reviewed By :Yogesh Patel 07/05/2023
Supervised By :mohammad ahmed 07/05/2023



#74
Anthracene
Concen: 5.437 ng/ul
RT: 17.592 min Scan# 2449
Delta R.T. -0.005 min
Lab File: BP015976.D
Acq: 04 Jul 2023 15:08

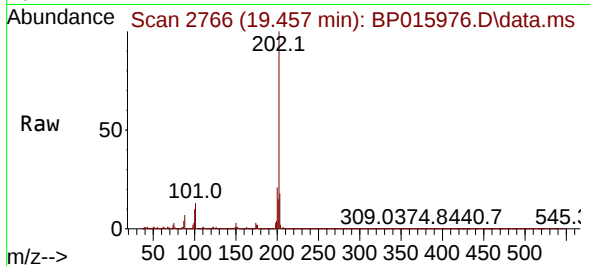
Tgt Ion:178 Resp: 644978
Ion Ratio Lower Upper
178 100
179 15.4 12.1 18.1
176 18.4 14.6 22.0





#80
Fluoranthene
Concen: 52.708 ng/ul m
RT: 19.457 min Scan# 2766
Delta R.T. -0.006 min
Lab File: BP015976.D
Acq: 04 Jul 2023 15:08

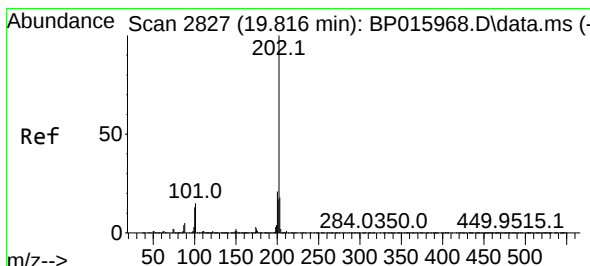
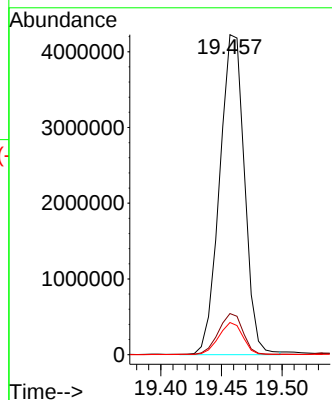
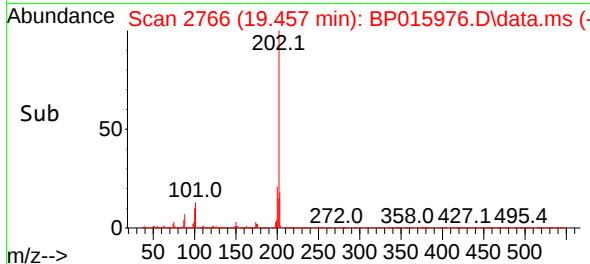
Instrument :
BNA_P
ClientSampleId :
DCGE4



Tgt Ion:202 Resp: 603820
Ion Ratio Lower Upper
202 100
101 12.9 8.3 12.5
100 10.1 6.6 9.8

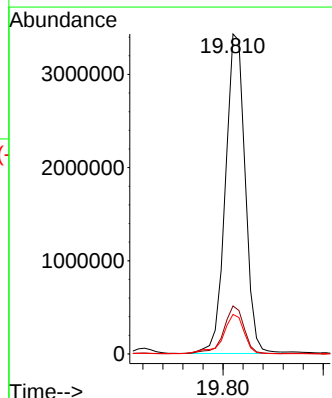
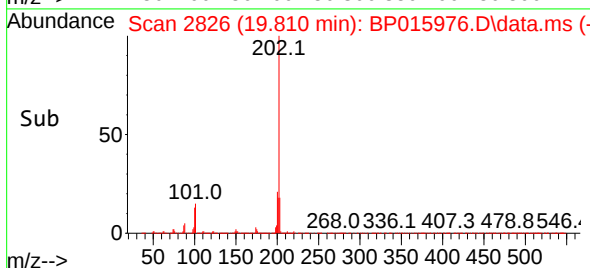
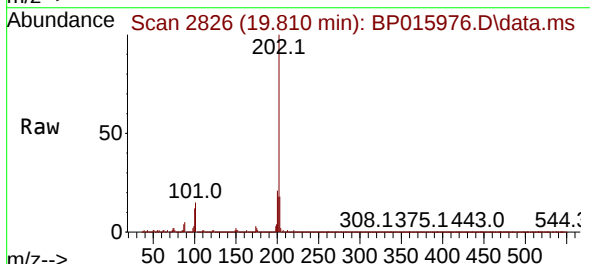
Manual Integrations
APPROVED

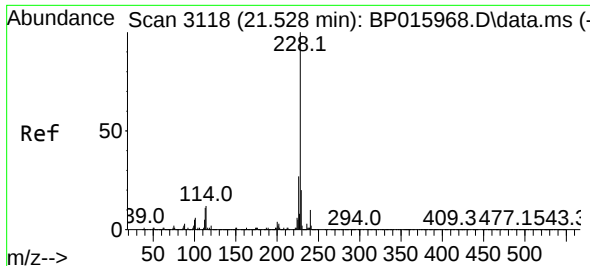
Reviewed By :Yogesh Patel 07/05/2023
Supervised By :mohammad ahmed 07/05/2023



#82
Pyrene
Concen: 40.009 ng/ul
RT: 19.810 min Scan# 2826
Delta R.T. -0.006 min
Lab File: BP015976.D
Acq: 04 Jul 2023 15:08

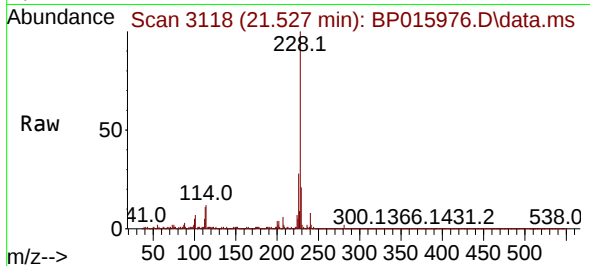
Tgt Ion:202 Resp: 4675476
Ion Ratio Lower Upper
202 100
101 15.0 9.3 13.9#
100 12.4 7.6 11.4#





#85
Benzo(a)anthracene
Concen: 30.406 ng/u1
RT: 21.527 min Scan# 3118
Delta R.T. -0.006 min
Lab File: BP015976.D
Acq: 04 Jul 2023 15:08

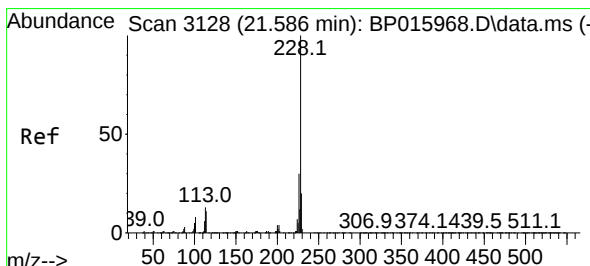
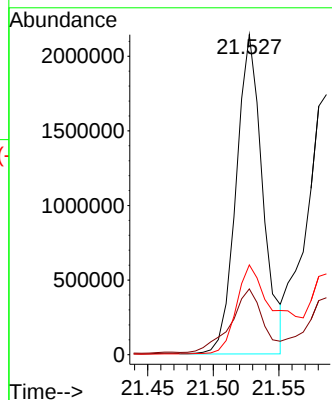
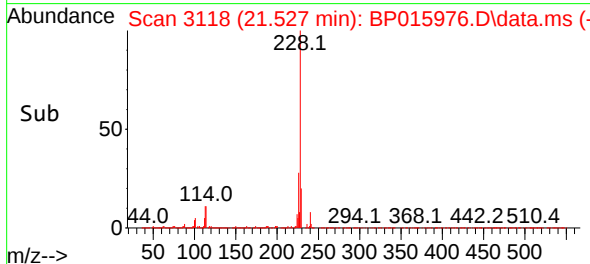
Instrument :
BNA_P
ClientSampleId :
DCGE4



Tgt Ion:228 Resp: 3019460
Ion Ratio Lower Upper
228 100
229 20.6 15.3 22.9
226 28.1 21.4 32.0

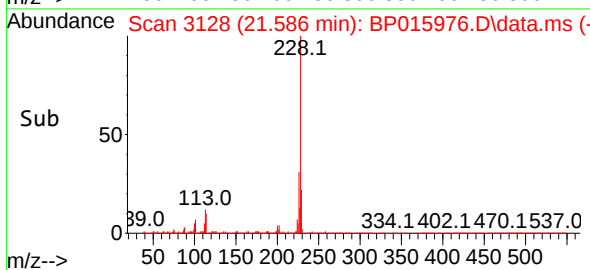
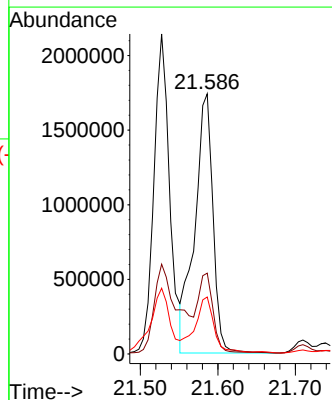
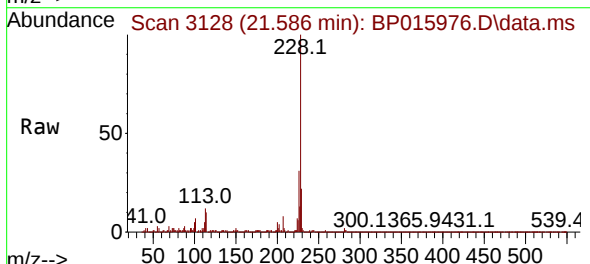
Manual Integrations
APPROVED

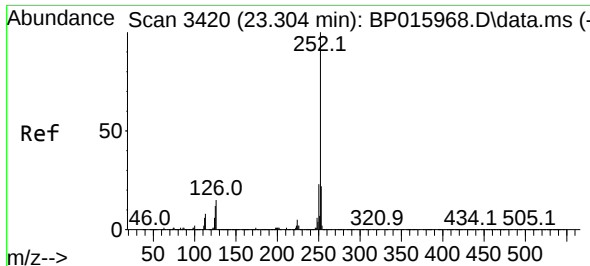
Reviewed By :Yogesh Patel 07/05/2023
Supervised By :mohammad ahmed 07/05/2023



#87
Chrysene
Concen: 30.199 ng/u1
RT: 21.586 min Scan# 3128
Delta R.T. 0.000 min
Lab File: BP015976.D
Acq: 04 Jul 2023 15:08

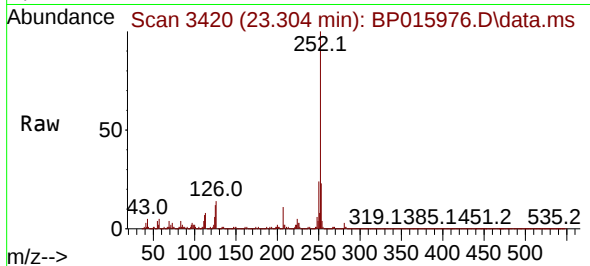
Tgt Ion:228 Resp: 2845160
Ion Ratio Lower Upper
228 100
226 31.1 24.3 36.5
229 21.9 15.5 23.3





#90
Benzo(b)fluoranthene
Concen: 42.078 ng/ul
RT: 23.304 min Scan# 3420
Delta R.T. -0.006 min
Lab File: BP015976.D
Acq: 04 Jul 2023 15:08

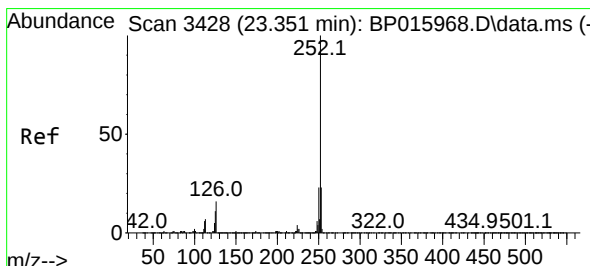
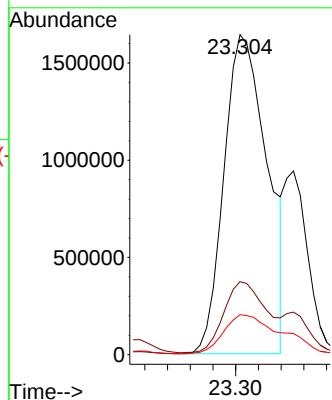
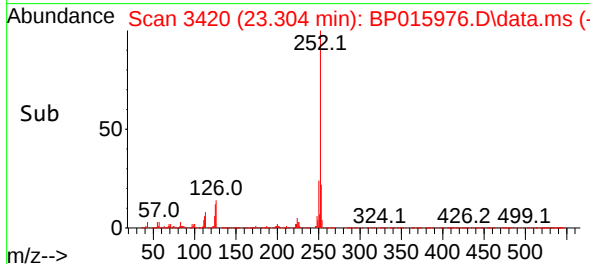
Instrument :
BNA_P
ClientSampleId :
DCGE4



Tgt Ion:252 Resp: 434016
Ion Ratio Lower Upper
252 100
253 22.8 17.3 25.9
125 12.5 7.5 11.3

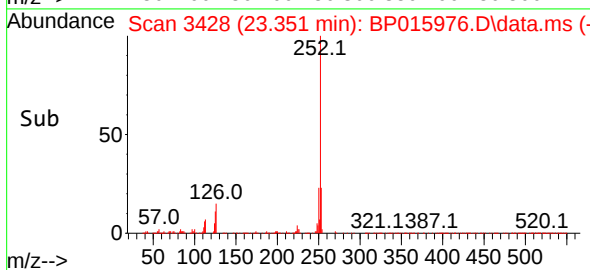
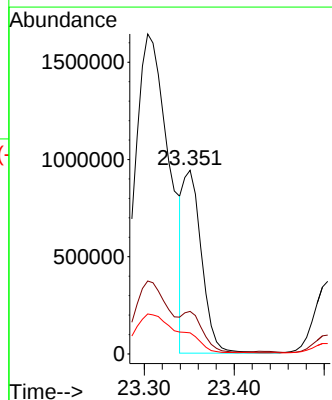
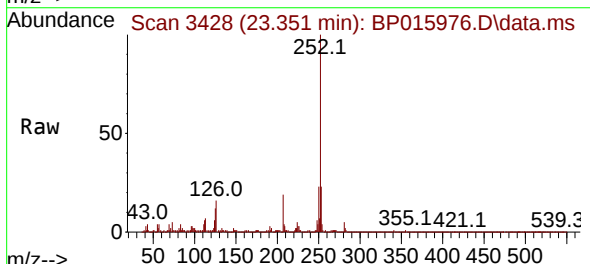
Manual Integrations
APPROVED

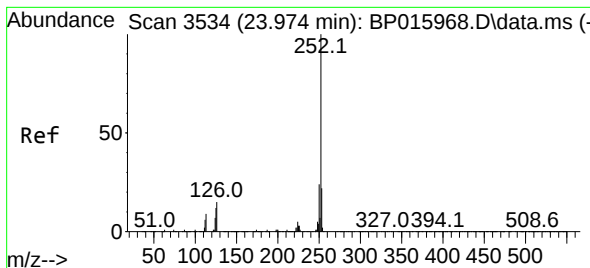
Reviewed By :Yogesh Patel 07/05/2023
Supervised By :mohammad ahmed 07/05/2023



#91
Benzo(k)fluoranthene
Concen: 12.900 ng/ul m
RT: 23.351 min Scan# 3428
Delta R.T. -0.006 min
Lab File: BP015976.D
Acq: 04 Jul 2023 15:08

Tgt Ion:252 Resp: 1344396
Ion Ratio Lower Upper
252 100
253 23.2 17.0 25.4
125 11.5 7.3 10.9





#93

Benzo(a)pyrene

Concen: 30.708 ng/ul

RT: 23.974 min Scan# 3534

Delta R.T. -0.006 min

Lab File: BP015976.D

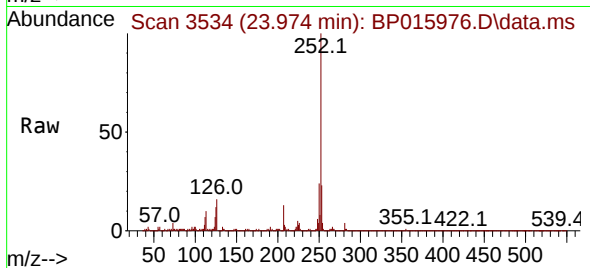
Acq: 04 Jul 2023 15:08

Instrument :

BNA_P

ClientSampleId :

DCGE4



Tgt Ion:252 Resp: 276764

Ion Ratio Lower Upper

252 100

253 23.4 17.7 26.5

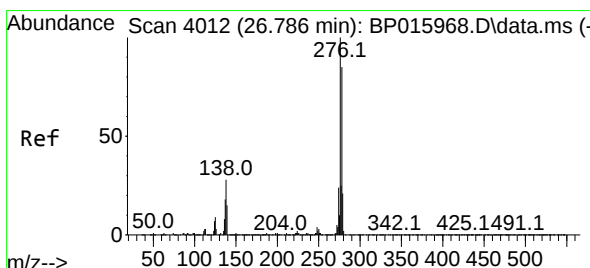
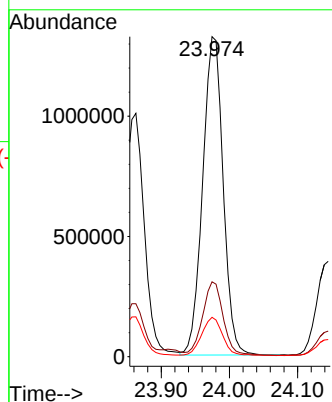
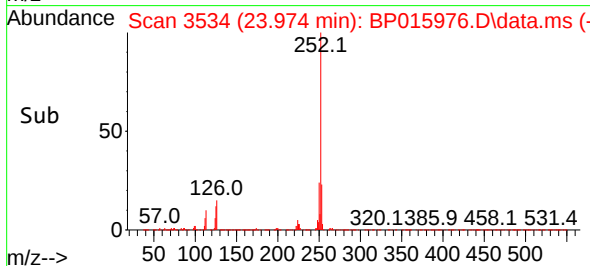
125 12.3 8.2 12.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/05/2023

Supervised By :mohammad ahmed 07/05/2023



#94

Indeno(1,2,3-cd)pyrene

Concen: 18.482 ng/ul

RT: 26.792 min Scan# 4013

Delta R.T. 0.000 min

Lab File: BP015976.D

Acq: 04 Jul 2023 15:08

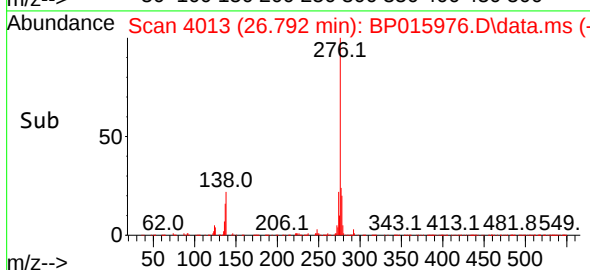
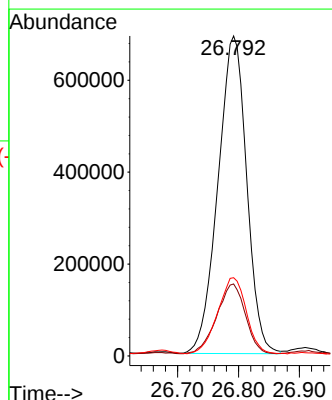
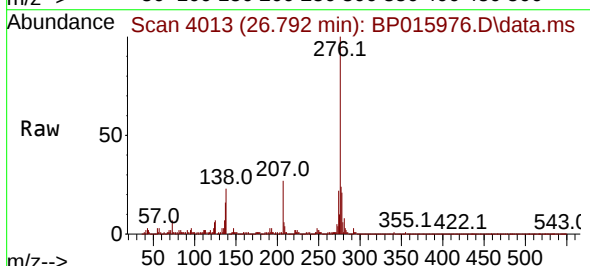
Tgt Ion:276 Resp: 2261233

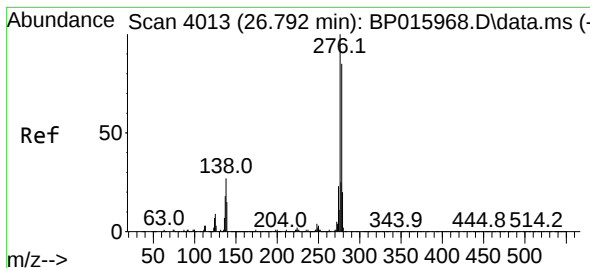
Ion Ratio Lower Upper

276 100

138 22.5 15.7 23.5

277 24.5 19.6 29.4





#95

Dibenzo(a,h)anthracene

Concen: 5.967 ng/ul

RT: 26.786 min Scan# 4013

Delta R.T. -0.011 min

Lab File: BP015976.D

Acq: 04 Jul 2023 15:08

Instrument :

BNA_P

ClientSampleId :

DCGE4

Tgt Ion:278 Resp: 599700

Ion Ratio Lower Upper

278 100

139 0.0 10.5 15.7

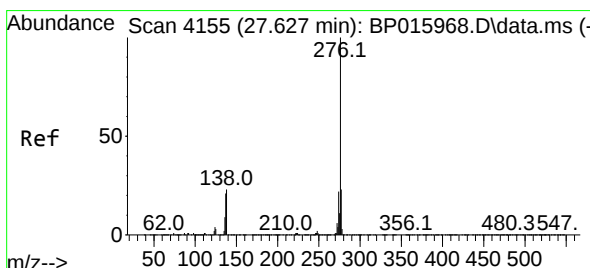
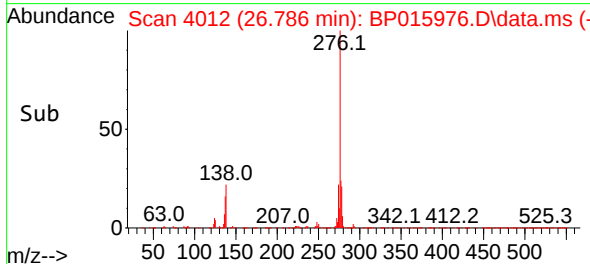
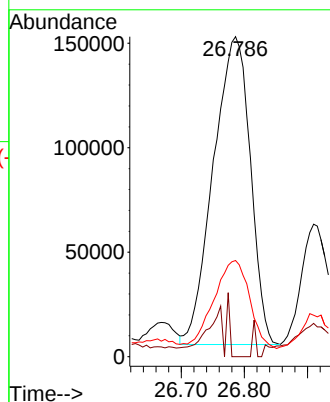
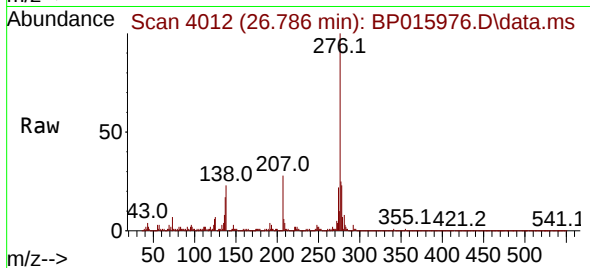
279 30.1 18.4 27.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/05/2023

Supervised By :mohammad ahmed 07/05/2023



#96

Benzo(g,h,i)perylene

Concen: 20.328 ng/ul

RT: 27.633 min Scan# 4156

Delta R.T. 0.006 min

Lab File: BP015976.D

Acq: 04 Jul 2023 15:08

Tgt Ion:276 Resp: 2046076

Ion Ratio Lower Upper

276 100

138 22.1 15.1 22.7

277 23.6 18.8 28.2

