

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP070423\
 Data File : BP015977.D
 Acq On : 04 Jul 2023 15:42
 Operator : MA/JU
 Sample : 03244-08
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DCGE7

Manual Integrations
 APPROVED

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

Quant Time: Jul 04 23:03:02 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	446620	20.000	ng/ul	0.00
20) Naphthalene-d8	10.863	136	1938029	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.692	164	1154564	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.451	188	2292048	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.545	240	1362103	20.000	ng/ul	# 0.00
88) Perylene-d12	24.086	264	1736211	20.000	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.369	96	39265	3.163	ng/uL	0.00
4) Pyridine-d5	3.817	84	416037	13.295	ng/ul	0.00
7) Phenol-d5	7.228	99	699780	18.312	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.363	67	554326	23.447	ng/ul	0.00
11) 2-Chlorophenol-d4	7.575	132	630974	21.874	ng/ul	0.00
15) 4-Methylphenol-d8	8.781	113	568767	18.841	ng/ul	0.00
21) Nitrobenzene-d5	9.228	128	331783	22.401	ng/ul	0.00
24) 2-Nitrophenol-d4	9.957	143	363781	21.044	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.528	165	579799	18.822	ng/ul	0.02
31) 4-Chloroaniline-d4	11.040	131	634910	16.045	ng/ul	0.01
46) Dimethylphthalate-d6	14.098	166	1985616	22.251	ng/ul	0.00
49) Acenaphthylene-d8	14.387	160	2286071	22.789	ng/ul	0.00
54) 4-Nitrophenol-d4	14.998	143	110423	9.377	ng/ul	0.05
60) Fluorene-d10	15.686	176	1668507	22.707	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.863	200	128993	9.151	ng/ul	0.00
73) Anthracene-d10	17.557	188	2313708	22.099	ng/ul	0.00
81) Pyrene-d10	19.786	212	2205234	24.794	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.921	264	2050659	23.414	ng/ul	0.00
Target Compounds					Qvalue	
30) Naphthalene	10.916	128	1004998	9.539	ng/ul	99
36) 2-Methylnaphthalene	12.534	142	302910	4.368	ng/ul	99
37) 1-Methylnaphthalene	12.751	142	200400	2.832	ng/ul	100
50) Acenaphthylene	14.416	152	121834	1.102	ng/ul#	96
52) Acenaphthene	14.757	153	832471	10.861	ng/ul	97
61) Fluorene	15.745	166	981399	11.371	ng/ul	99
72) Phenanthrene	17.504	178	10112158	81.211	ng/ul	98
74) Anthracene	17.592	178	2802658	22.400	ng/ul	99
80) Fluoranthene	19.469	202	12093586	109.407	ng/ul	99
82) Pyrene	19.816	202	9574763	84.915	ng/ul#	94
85) Benzo(a)anthracene	21.527	228	5497018	57.370	ng/ul	96
87) Chrysene	21.586	228	5168062	56.850	ng/ul	95
90) Benzo(b)fluoranthene	23.310	252	6933772	62.153	ng/ul#	96
91) Benzo(k)fluoranthene	23.357	252	2691677m	23.880	ng/ul	
93) Benzo(a)pyrene	23.980	252	4755542	48.785	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	26.798	276	3518981	26.592	ng/ul	98
95) Dibenzo(a,h)anthracene	26.786	278	1043244	9.598	ng/ul#	79
96) Benzo(g,h,i)perylene	27.627	276	3024691	27.784	ng/ul#	95

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

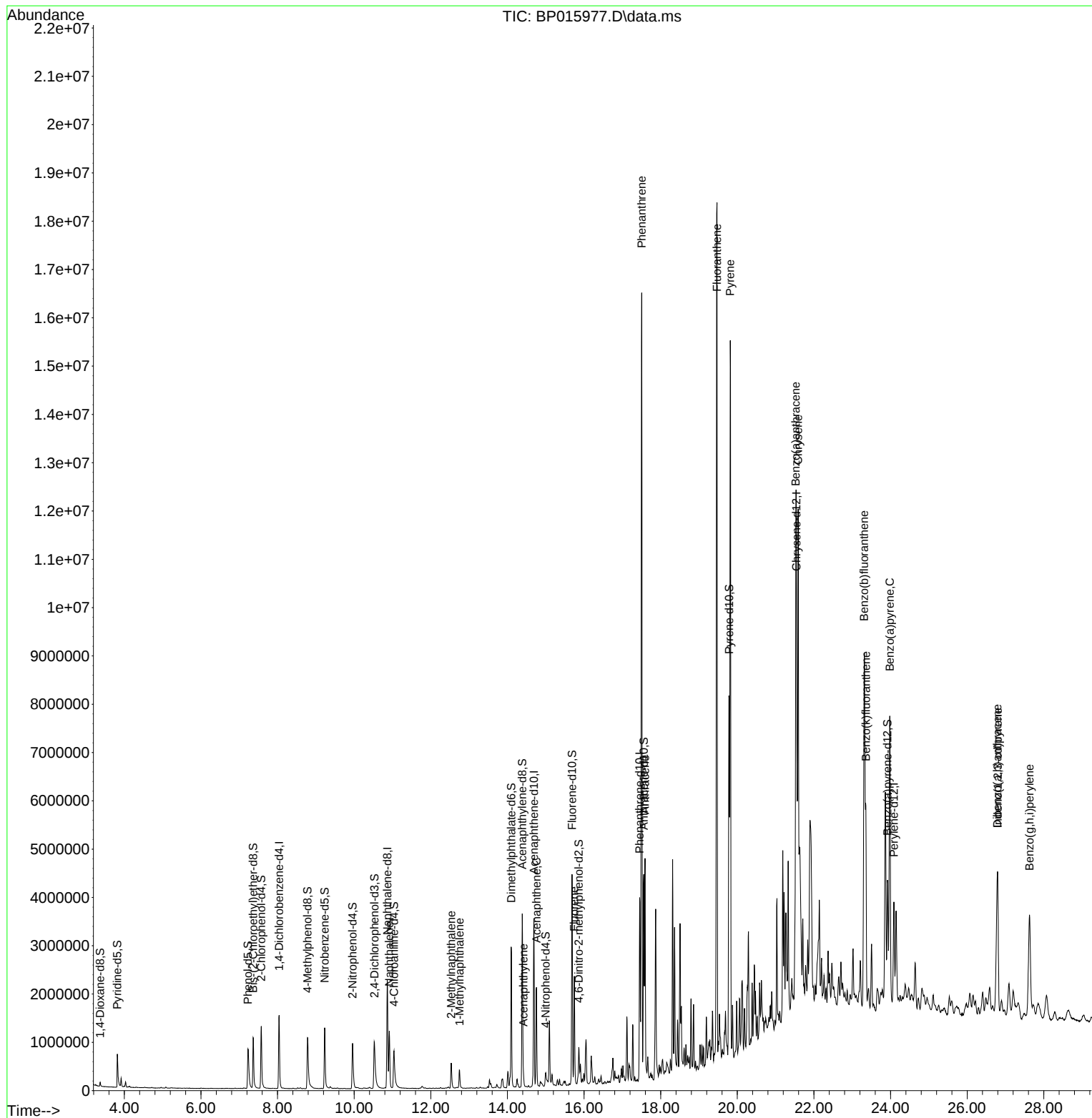
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP070423\
Data File : BP015977.D
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Operator : MA/JU
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ALS Vial : 23 Sample Multiplier: 1

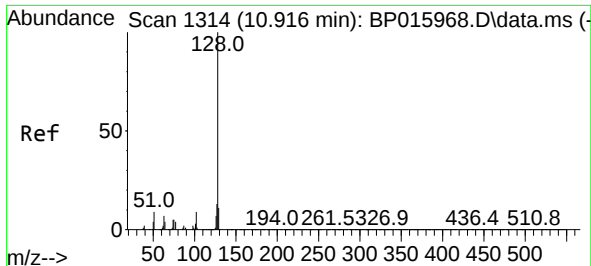
Instrument :
BNA_P
ClientSampleId :
DCGE7

Quant Time: Jul 04 23:03:02 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

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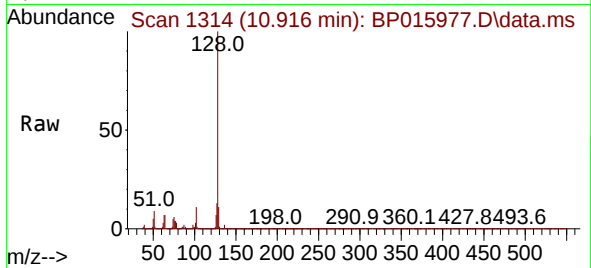
Reviewed By :Yogesh Patel 07/05/2023
Supervised By :mohammad ahmed 07/05/2023





#30
Naphthalene
Concen: 9.539 ng/ul
RT: 10.916 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP015977.D
Acq: 04 Jul 2023 15:42

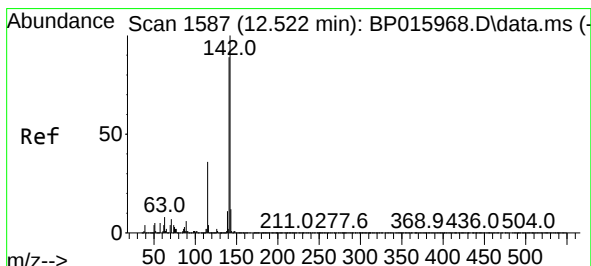
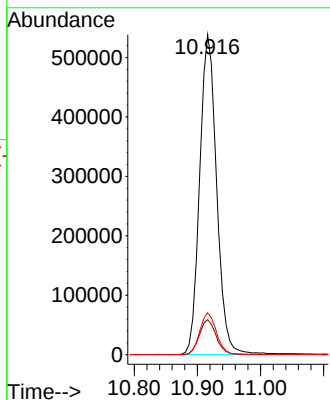
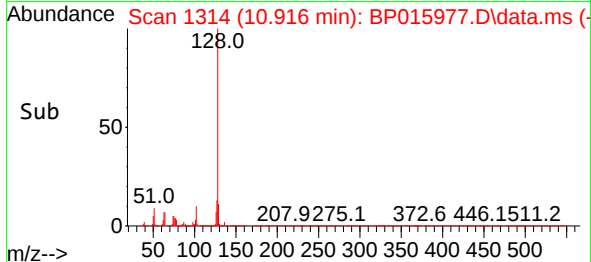
Instrument :
BNA_P
ClientSampleId :
DCGE7



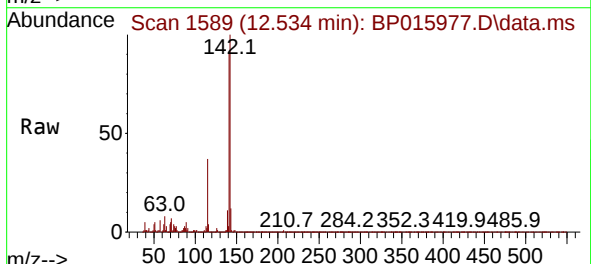
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Ion Ratio Lower Upper
128 100
129 10.9 8.6 12.8
127 13.1 10.3 15.5

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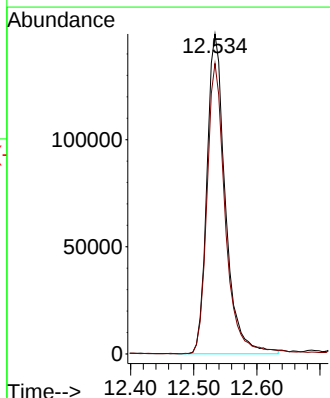
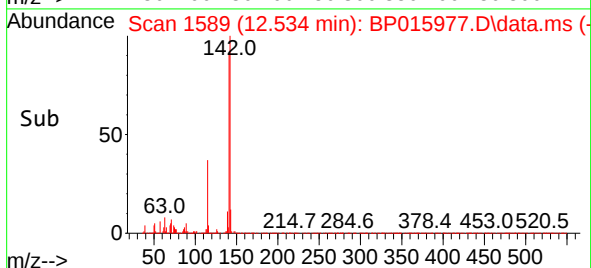
Reviewed By :Yogesh Patel 07/05/2023
Supervised By :mohammad ahmed 07/05/2023

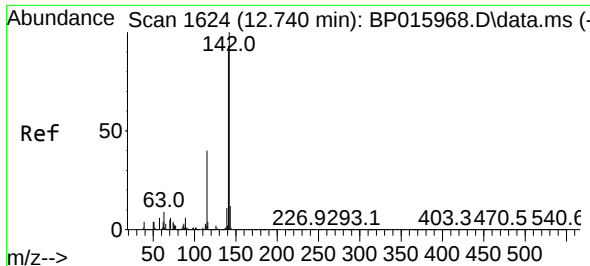


#36
2-Methylnaphthalene
Concen: 4.368 ng/ul
RT: 12.534 min Scan# 1589
Delta R.T. 0.006 min
Lab File: BP015977.D
Acq: 04 Jul 2023 15:42



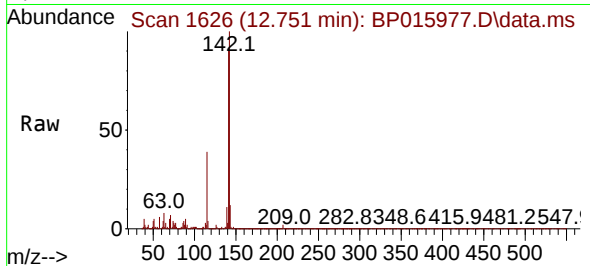
Tgt Ion:142 Resp: 302910
Ion Ratio Lower Upper
142 100
141 90.8 73.2 109.8





#37
1-Methylnaphthalene
Concen: 2.832 ng/ul
RT: 12.751 min Scan# 1626
Delta R.T. 0.006 min
Lab File: BP015977.D
Acq: 04 Jul 2023 15:42

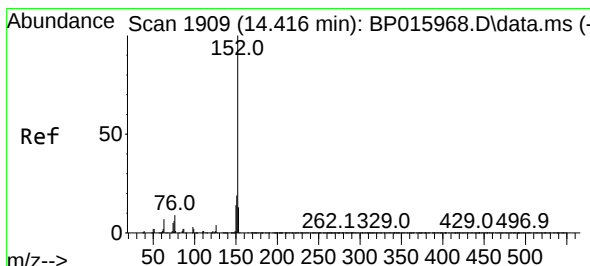
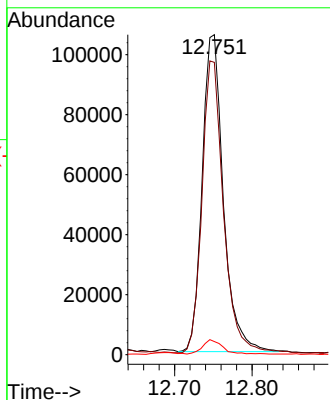
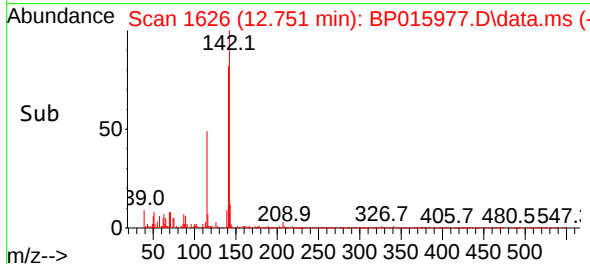
Instrument :
BNA_P
ClientSampleId :
DCGE7



Tgt Ion:142 Resp: 200400
Ion Ratio Lower Upper
142 100
141 91.4 73.1 109.7
116 4.1 4.0 6.0

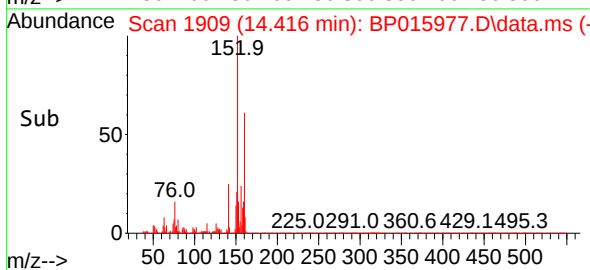
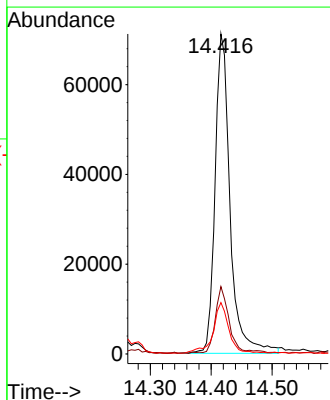
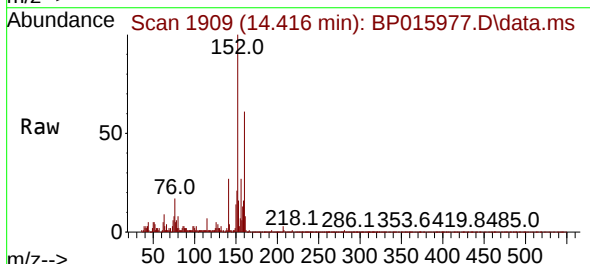
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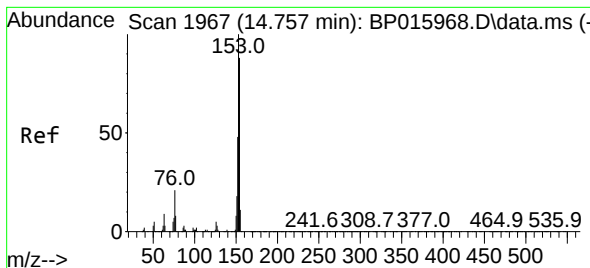
Reviewed By :Yogesh Patel 07/05/2023
Supervised By :mohammad ahmed 07/05/2023



#50
Acenaphthylene
Concen: 1.102 ng/ul
RT: 14.416 min Scan# 1909
Delta R.T. -0.006 min
Lab File: BP015977.D
Acq: 04 Jul 2023 15:42

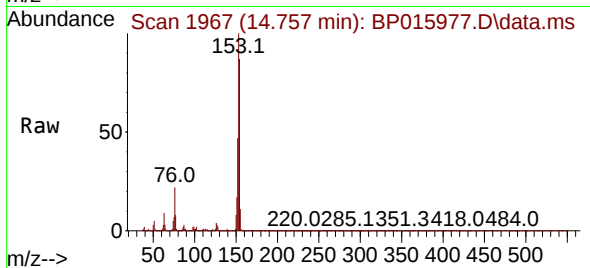
Tgt Ion:152 Resp: 121834
Ion Ratio Lower Upper
152 100
151 21.1 16.2 24.2
153 16.1 10.5 15.7#





#52
Acenaphthene
Concen: 10.861 ng/ul
RT: 14.757 min Scan# 1967
Delta R.T. 0.000 min
Lab File: BP015977.D
Acq: 04 Jul 2023 15:42

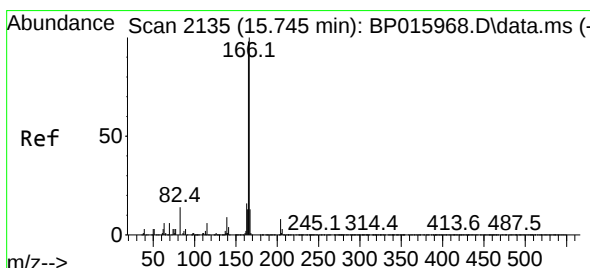
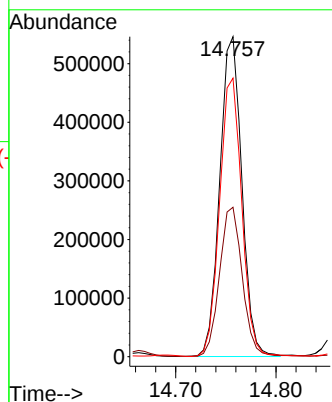
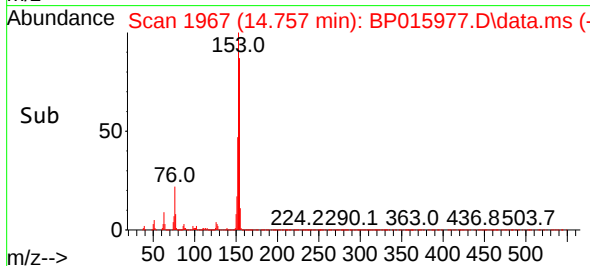
Instrument :
BNA_P
ClientSampleId :
DCGE7



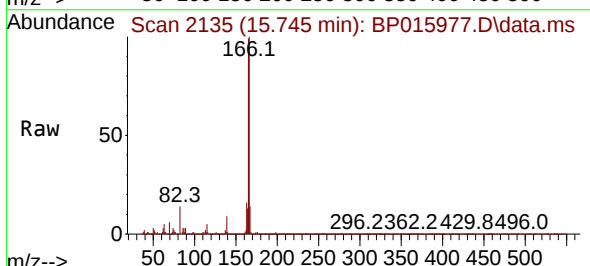
Tgt Ion:153 Resp: 83247
Ion Ratio Lower Upper
153 100
152 46.7 39.4 59.2
154 87.0 71.4 107.2

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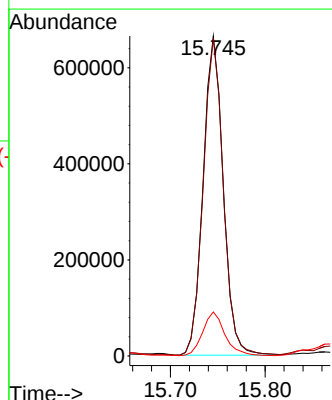
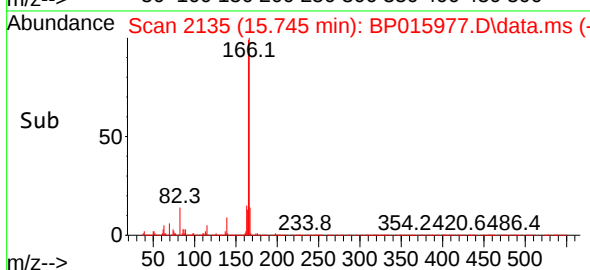
Reviewed By :Yogesh Patel 07/05/2023
Supervised By :mohammad ahmed 07/05/2023

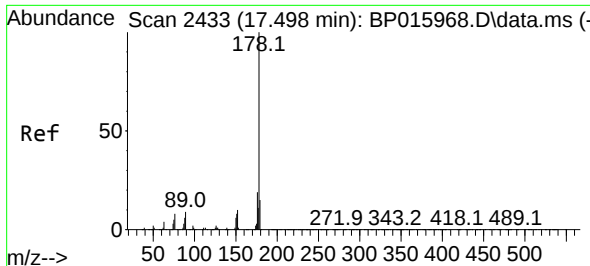


#61
Fluorene
Concen: 11.371 ng/ul
RT: 15.745 min Scan# 2135
Delta R.T. 0.000 min
Lab File: BP015977.D
Acq: 04 Jul 2023 15:42



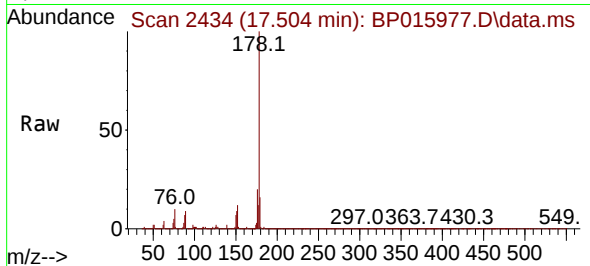
Tgt Ion:166 Resp: 981399
Ion Ratio Lower Upper
166 100
165 99.4 78.7 118.1
167 13.7 10.5 15.7





#72
Phenanthrene
Concen: 81.211 ng/ul
RT: 17.504 min Scan# 2433
Delta R.T. 0.006 min
Lab File: BP015977.D
Acq: 04 Jul 2023 15:42

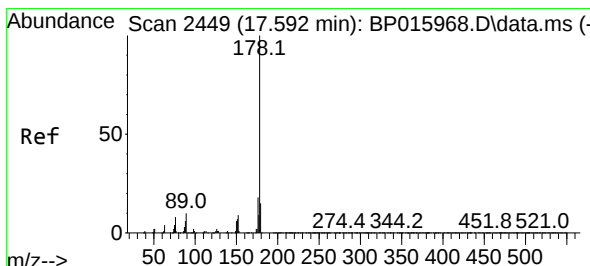
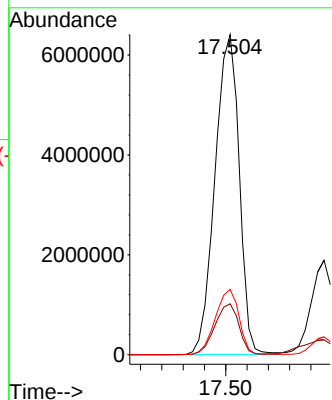
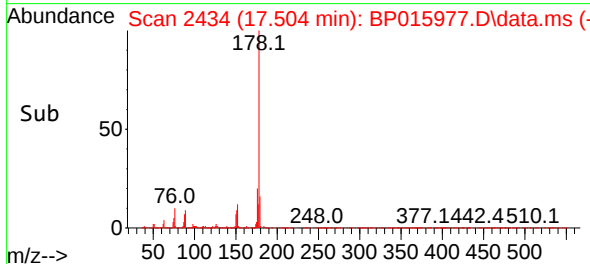
Instrument :
BNA_P
ClientSampleId :
DCGE7



Tgt Ion:178 Resp:10112158
Ion Ratio Lower Upper
178 100
179 15.9 12.4 18.6
176 20.4 15.6 23.4

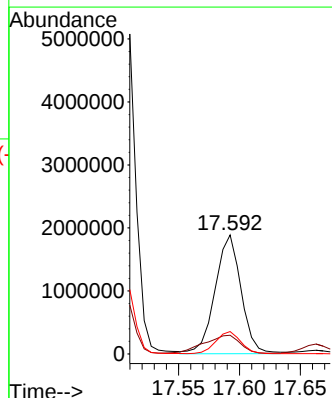
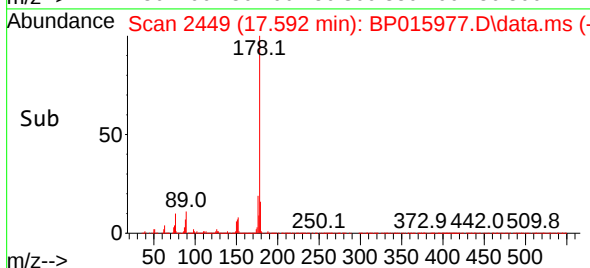
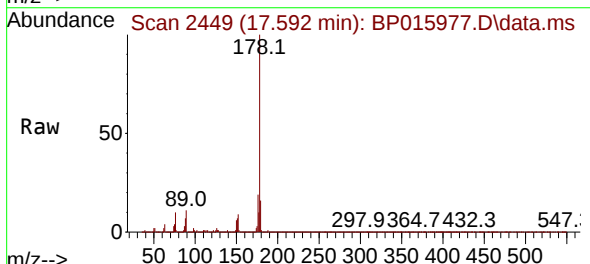
Manual Integrations
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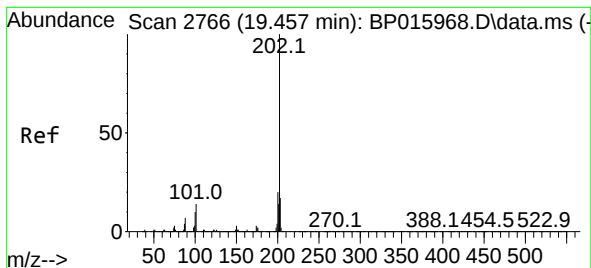
Reviewed By :Yogesh Patel 07/05/2023
Supervised By :mohammad ahmed 07/05/2023



#74
Anthracene
Concen: 22.400 ng/ul
RT: 17.592 min Scan# 2449
Delta R.T. -0.006 min
Lab File: BP015977.D
Acq: 04 Jul 2023 15:42

Tgt Ion:178 Resp: 2802658
Ion Ratio Lower Upper
178 100
179 15.8 12.1 18.1
176 18.9 14.6 22.0





#80

Fluoranthene

Concen: 109.407 ng/u1

RT: 19.469 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP015977.D

Acq: 04 Jul 2023 15:42

Instrument :

BNA_P

ClientSampleId :

DCGE7

Tgt Ion:202 Resp:1209358

Ion Ratio Lower Upper

202 100

101 10.8 8.3 12.5

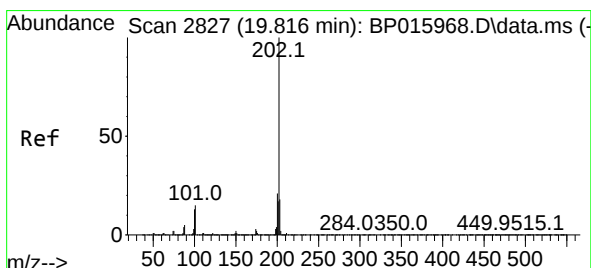
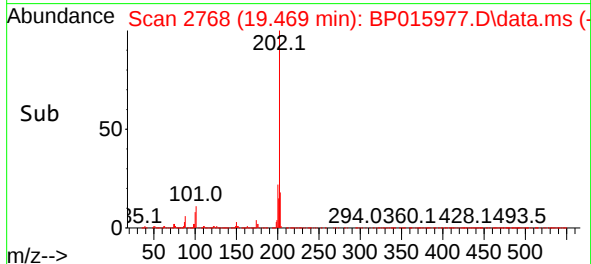
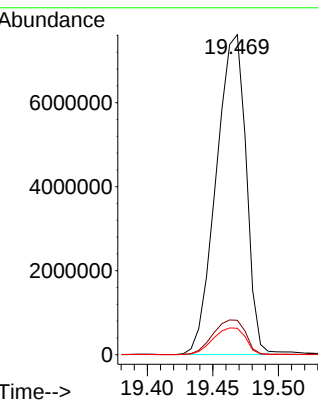
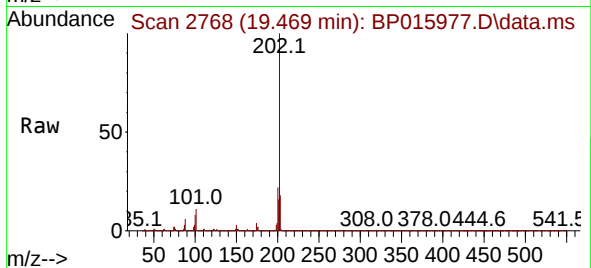
100 8.3 6.6 9.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/05/2023

Supervised By :mohammad ahmed 07/05/2023



#82

Pyrene

Concen: 84.915 ng/u1

RT: 19.816 min Scan# 2827

Delta R.T. 0.000 min

Lab File: BP015977.D

Acq: 04 Jul 2023 15:42

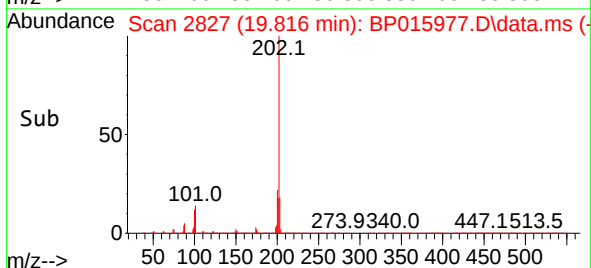
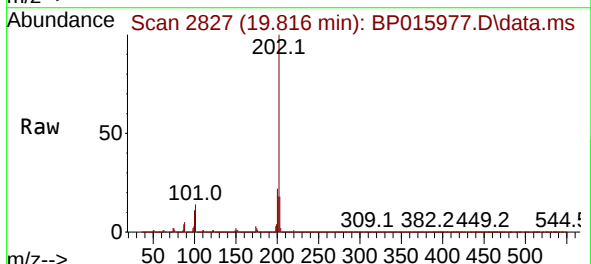
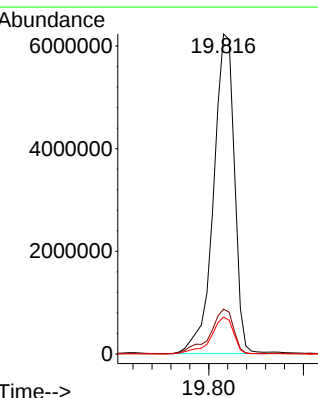
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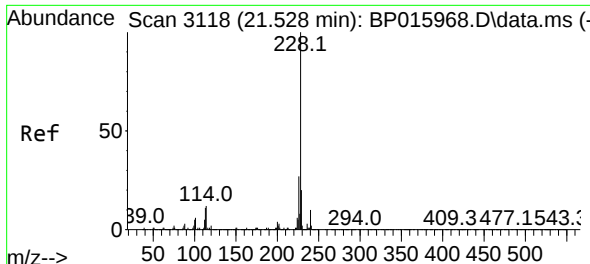
Ion Ratio Lower Upper

202 100

101 14.0 9.3 13.9#

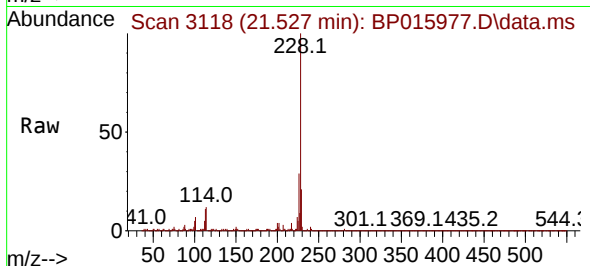
100 11.5 7.6 11.4#





#85
Benzo(a)anthracene
Concen: 57.370 ng/ul
RT: 21.527 min Scan# 3118
Delta R.T. -0.006 min
Lab File: BP015977.D
Acq: 04 Jul 2023 15:42

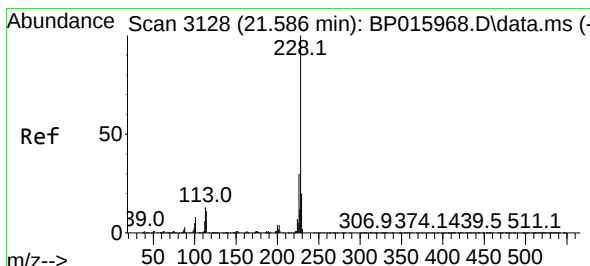
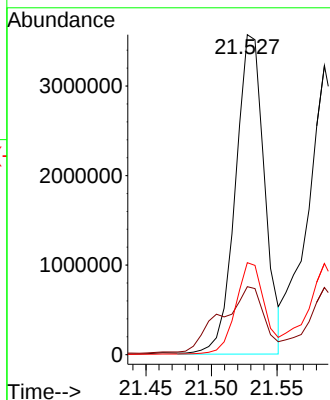
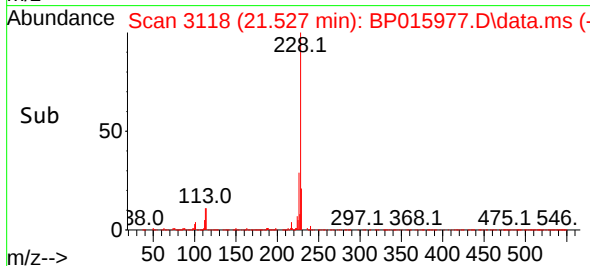
Instrument :
BNA_P
ClientSampleId :
DCGE7



Tgt Ion:228 Resp: 5497018
Ion Ratio Lower Upper
228 100
229 21.3 15.3 22.9
226 28.8 21.4 32.0

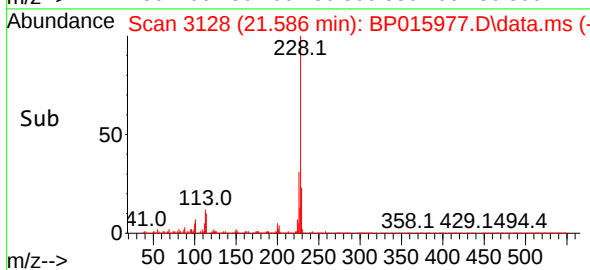
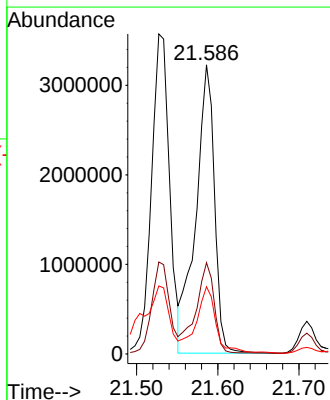
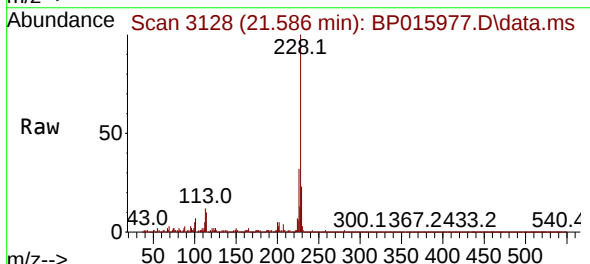
Manual Integrations
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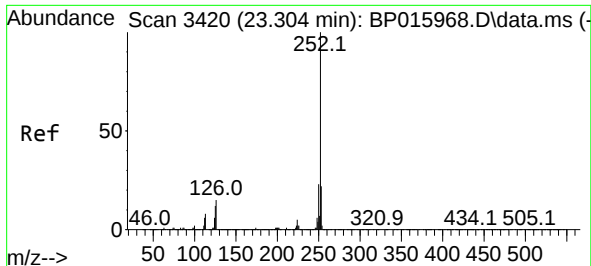
Reviewed By :Yogesh Patel 07/05/2023
Supervised By :mohammad ahmed 07/05/2023



#87
Chrysene
Concen: 56.850 ng/ul
RT: 21.586 min Scan# 3128
Delta R.T. 0.000 min
Lab File: BP015977.D
Acq: 04 Jul 2023 15:42

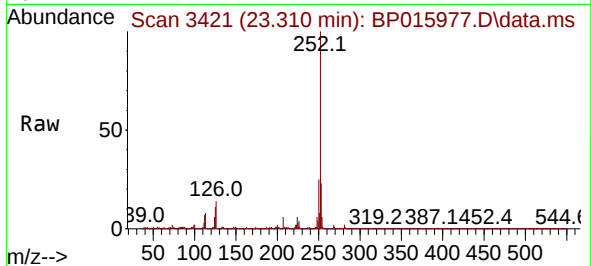
Tgt Ion:228 Resp: 5168062
Ion Ratio Lower Upper
228 100
226 31.5 24.3 36.5
229 23.2 15.5 23.3





#90
Benzo(b)fluoranthene
Concen: 62.153 ng/ul
RT: 23.310 min Scan# 3420
Delta R.T. 0.000 min
Lab File: BP015977.D
Acq: 04 Jul 2023 15:42

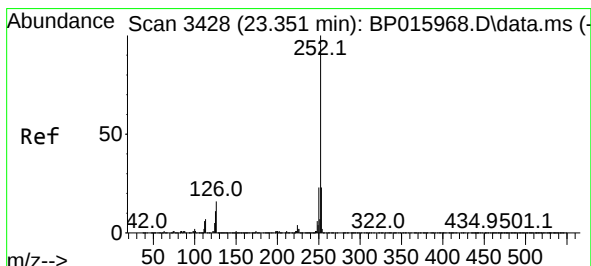
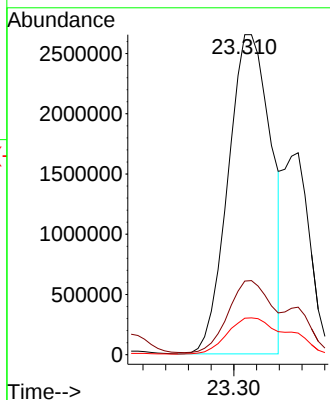
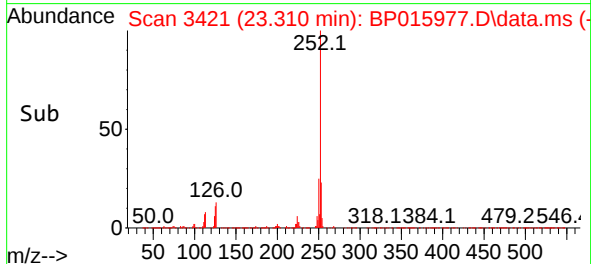
Instrument :
BNA_P
ClientSampleId :
DCGE7



Tgt Ion:252 Resp: 6933772
Ion Ratio Lower Upper
252 100
253 23.0 17.3 25.9
125 11.4 7.5 11.3

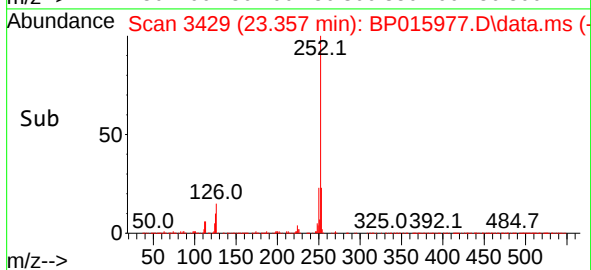
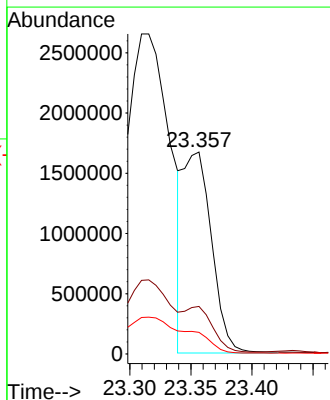
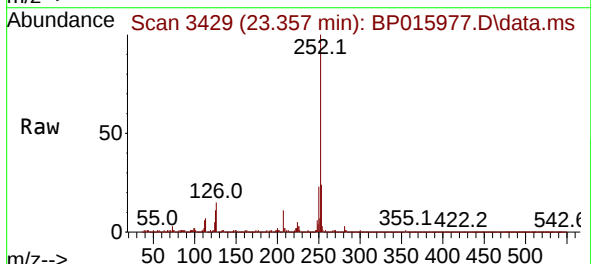
Manual Integrations
APPROVED

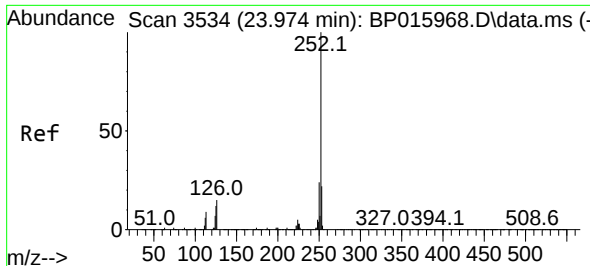
Reviewed By :Yogesh Patel 07/05/2023
Supervised By :mohammad ahmed 07/05/2023



#91
Benzo(k)fluoranthene
Concen: 23.880 ng/ul m
RT: 23.357 min Scan# 3429
Delta R.T. 0.000 min
Lab File: BP015977.D
Acq: 04 Jul 2023 15:42

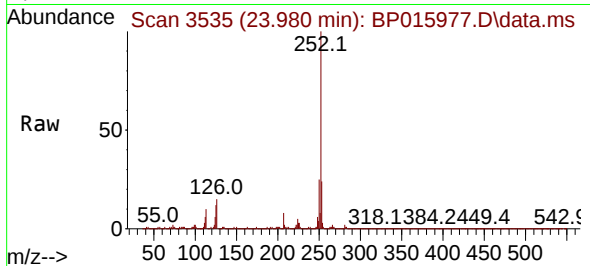
Tgt Ion:252 Resp: 2691677
Ion Ratio Lower Upper
252 100
253 23.5 17.0 25.4
125 10.7 7.3 10.9





#93
Benzo(a)pyrene
Concen: 48.785 ng/ul
RT: 23.980 min Scan# 3534
Delta R.T. 0.000 min
Lab File: BP015977.D
Acq: 04 Jul 2023 15:42

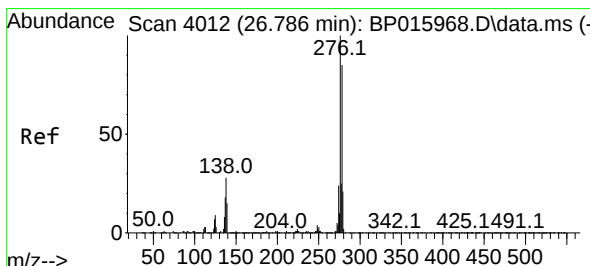
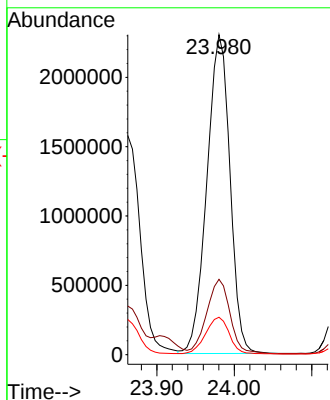
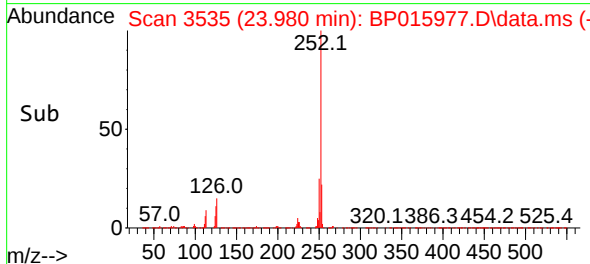
Instrument :
BNA_P
ClientSampleId :
DCGE7



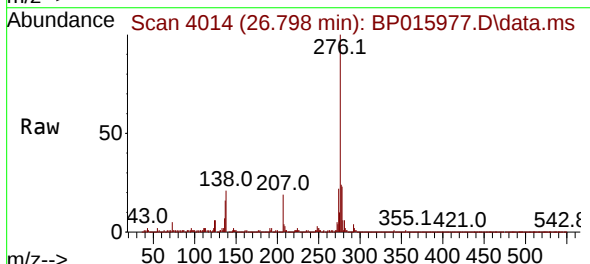
Tgt Ion:252 Resp: 475554
Ion Ratio Lower Upper
252 100
253 23.5 17.7 26.5
125 11.7 8.2 12.2

Manual Integrations
APPROVED

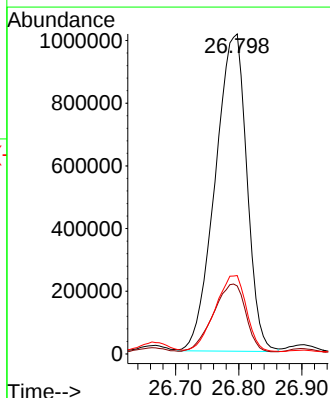
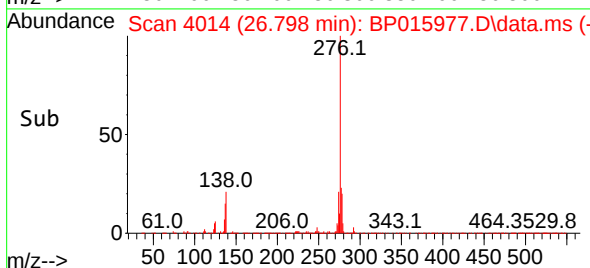
Reviewed By :Yogesh Patel 07/05/2023
Supervised By :mohammad ahmed 07/05/2023

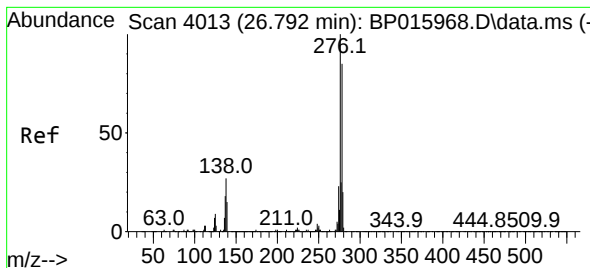


#94
Indeno(1,2,3-cd)pyrene
Concen: 26.592 ng/ul
RT: 26.798 min Scan# 4014
Delta R.T. 0.006 min
Lab File: BP015977.D
Acq: 04 Jul 2023 15:42



Tgt Ion:276 Resp: 3518981
Ion Ratio Lower Upper
276 100
138 21.3 15.7 23.5
277 24.5 19.6 29.4





#95

Dibenzo(a,h)anthracene

Concen: 9.598 ng/ul

RT: 26.786 min Scan# 4013

Delta R.T. -0.012 min

Lab File: BP015977.D

Acq: 04 Jul 2023 15:42

Instrument :

BNA_P

ClientSampleId :

DCGE7

Tgt Ion:278 Resp: 104324

Ion Ratio Lower Upper

278 100

139 0.0 10.5 15.7

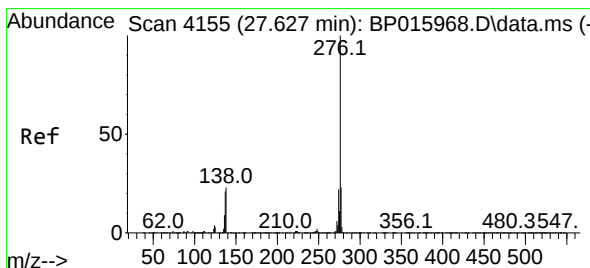
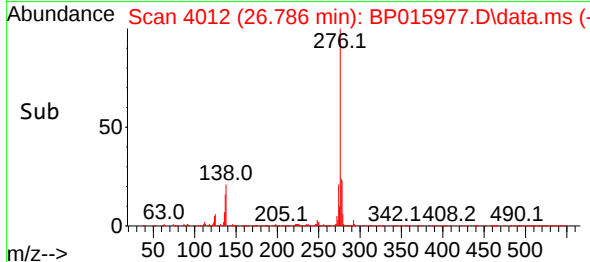
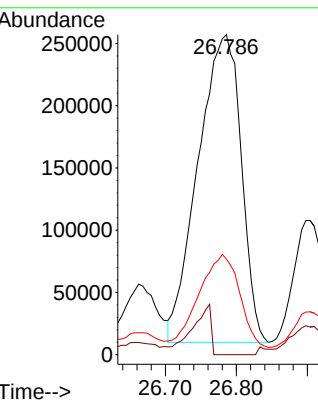
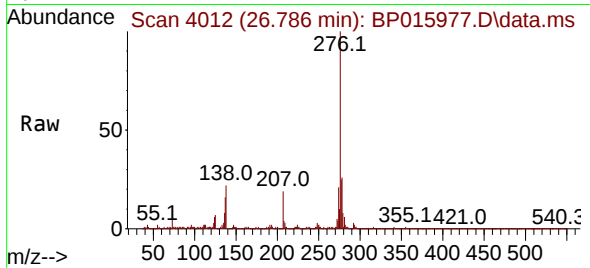
279 29.8 18.4 27.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/05/2023

Supervised By :mohammad ahmed 07/05/2023



#96

Benzo(g,h,i)perylene

Concen: 27.784 ng/ul

RT: 27.627 min Scan# 4155

Delta R.T. 0.000 min

Lab File: BP015977.D

Acq: 04 Jul 2023 15:42

Tgt Ion:276 Resp: 3024691

Ion Ratio Lower Upper

276 100

138 23.3 15.1 22.7

277 24.1 18.8 28.2

