

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110123\
 Data File : BP017905.D
 Acq On : 03 Nov 2023 02:14
 Operator : MA/JU
 Sample : 05060-13
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DCKH1

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/03/2023
 Supervised By :mohammad ahmed 11/04/2023

Quant Time: Nov 03 03:35:13 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP101823.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 19 01:32:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.875	152	130696	20.000	ng/u1	-0.01
20) Naphthalene-d8	10.704	136	502932	20.000	ng/u1	-0.02
38) Acenaphthene-d10	14.575	164	285674	20.000	ng/u1	-0.01
64) Phenanthrene-d10	17.369	188	563256	20.000	ng/u1	0.00
79) Chrysene-d12	21.516	240	458013	20.000	ng/u1	0.00
88) Perylene-d12	24.074	264	493735	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.275	96	4847m	1.380	ng/uL	0.02
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	7.046	99	79794	7.337	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.222	67	52437	7.807	ng/u1	-0.01
11) 2-Chlorophenol-d4	7.399	132	69202	7.801	ng/u1	-0.01
15) 4-Methylphenol-d8	8.604	113	58223	6.817	ng/u1	0.00
21) Nitrobenzene-d5	9.087	128	33347	8.183	ng/u1	-0.01
24) 2-Nitrophenol-d4	9.804	143	36570	8.122	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.334	165	61807	6.997	ng/u1	0.00
31) 4-Chloroaniline-d4	10.887	131	49058	4.244	ng/u1	0.00
46) Dimethylphthalate-d6	13.992	166	207821	8.666	ng/u1	-0.01
49) Acenaphthylene-d8	14.269	160	224376	8.390	ng/u1	-0.01
54) 4-Nitrophenol-d4	14.851	143	13033	3.814	ng/u1	0.02
60) Fluorene-d10	15.581	176	169282	8.166	ng/u1	-0.01
65) 4,6-Dinitro-2-methylph...	15.739	200	9754	2.629	ng/u1	0.00
73) Anthracene-d10	17.469	188	257544	8.948	ng/u1	0.00
81) Pyrene-d10	19.727	212	292277	10.179	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.904	264	247156	8.988	ng/u1	0.00
Target Compounds						
					Qvalue	
30) Naphthalene	10.757	128	46564	1.609	ng/u1	98
36) 2-Methylnaphthalene	12.375	142	25056	1.282	ng/u1	100
50) Acenaphthylene	14.298	152	79346	2.649	ng/u1	98
52) Acenaphthene	14.639	153	173153	8.550	ng/u1	98
61) Fluorene	15.639	166	278823	11.938	ng/u1	98
72) Phenanthrene	17.416	178	1878258	56.925	ng/u1	99
74) Anthracene	17.504	178	1378394	41.246	ng/u1	99
80) Fluoranthene	19.404	202	4048350	122.707	ng/u1	100
82) Pyrene	19.763	202	3346968	95.755	ng/u1	100
85) Benzo(a)anthracene	21.498	228	1249892	35.897	ng/u1	98
87) Chrysene	21.557	228	1223639	37.162	ng/u1	97
90) Benzo(b)fluoranthene	23.280	252	983212	29.260	ng/u1	99
91) Benzo(k)fluoranthene	23.327	252	379620m	11.147	ng/u1	
93) Benzo(a)pyrene	23.957	252	442849	14.038	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	26.786	276	243716	6.482	ng/u1	98
95) Dibenzo(a,h)anthracene	26.809	278	64173	2.046	ng/u1#	91
96) Benzo(g,h,i)perylene	27.633	276	204626	6.755	ng/u1	97

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

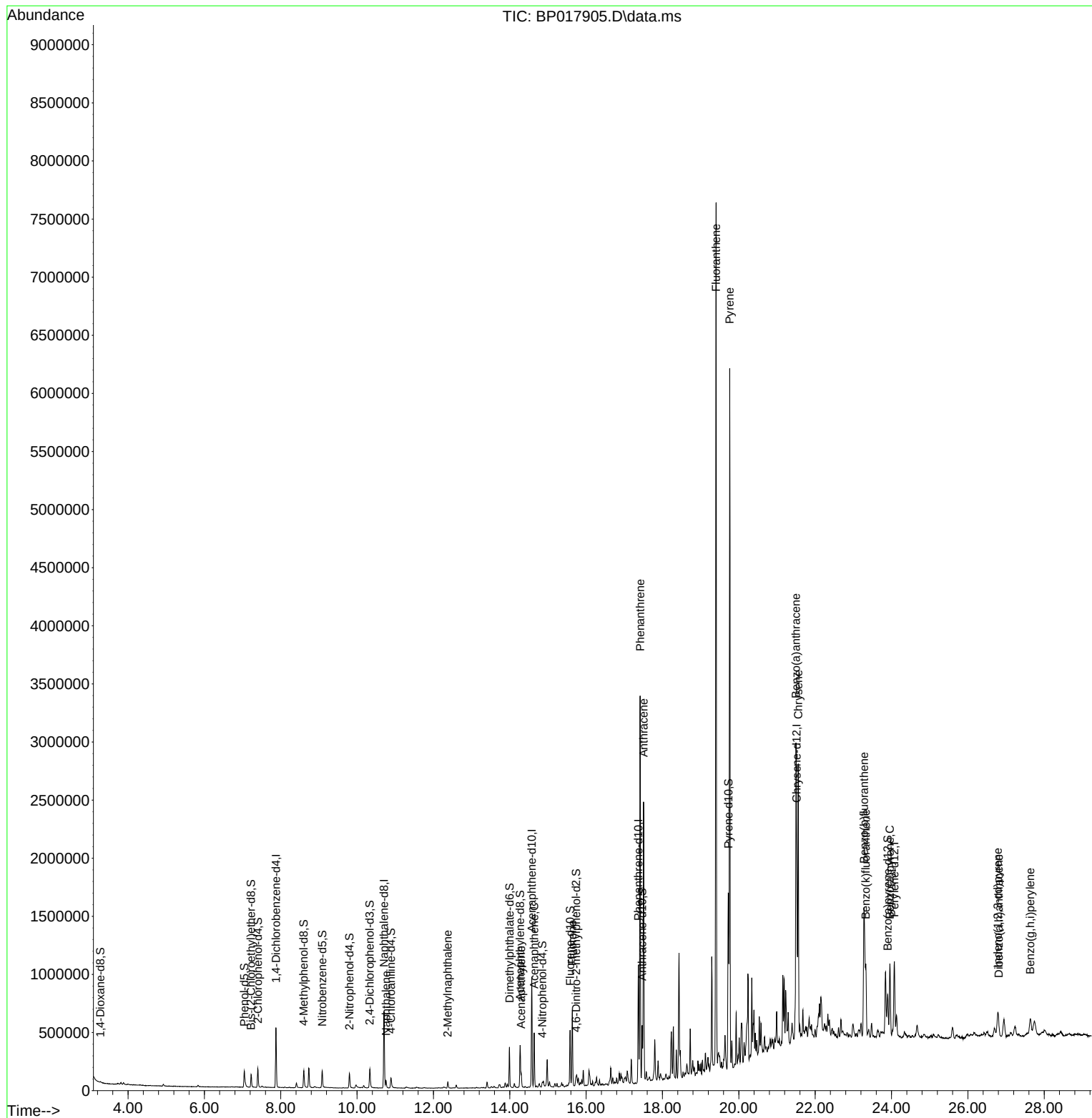
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110123\
Data File : BP017905.D
Acq On : 03 Nov 2023 02:14
Operator : MA/JU
Sample : 05060-13
Misc :
ALS Vial : 61 Sample Multiplier: 1

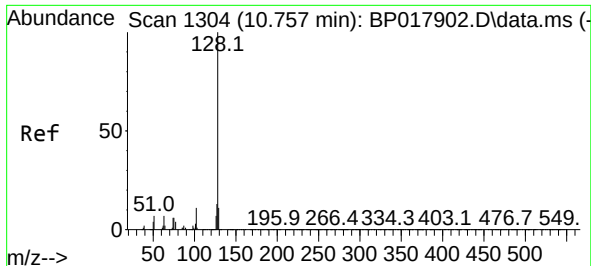
Instrument :
BNA_P
ClientSampleId :
DCKH1

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/03/2023
Supervised By :mohammad ahmed 11/04/2023

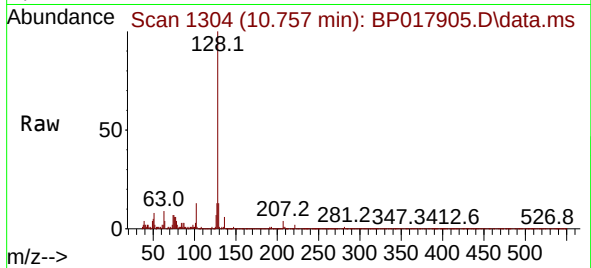
Quant Time: Nov 03 03:35:13 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP101823.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Oct 19 01:32:15 2023
Response via : Initial Calibration





#30
Naphthalene
Concen: 1.609 ng/ul
RT: 10.757 min Scan# 11
Delta R.T. -0.018 min
Lab File: BP017905.D
Acq: 03 Nov 2023 02:14

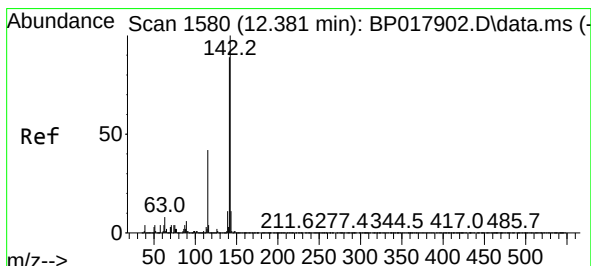
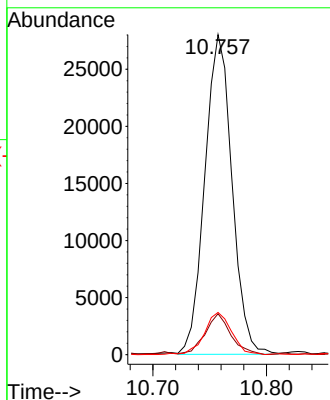
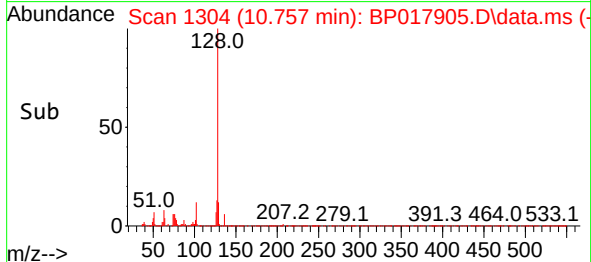
Instrument :
BNA_P
ClientSampleId :
DCKH1



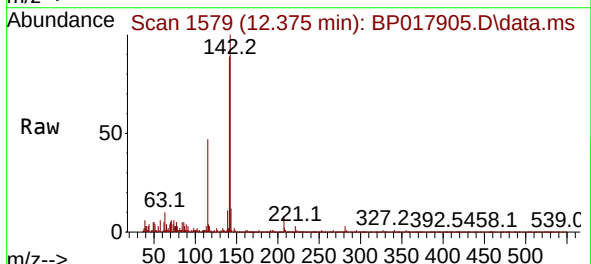
Tgt Ion:128 Resp: 46564
Ion Ratio Lower Upper
128 100
129 12.8 8.7 13.1
127 13.2 10.5 15.7

Manual Integrations
APPROVED

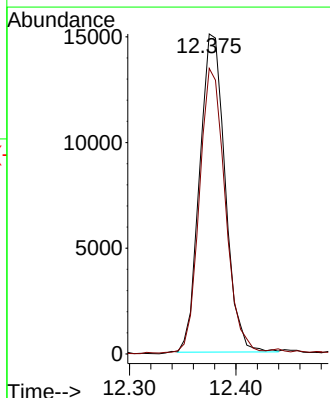
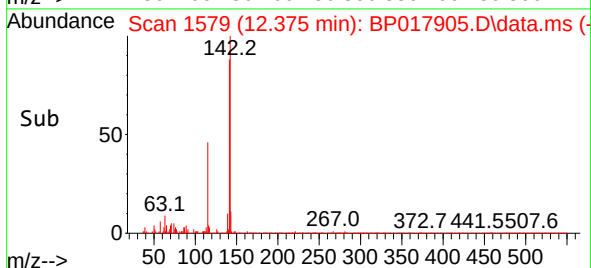
Reviewed By :Yogesh Patel 11/03/2023
Supervised By :mohammad ahmed 11/04/2023

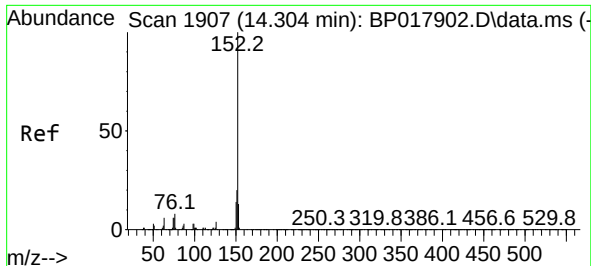


#36
2-Methylnaphthalene
Concen: 1.282 ng/ul
RT: 12.375 min Scan# 1579
Delta R.T. -0.018 min
Lab File: BP017905.D
Acq: 03 Nov 2023 02:14



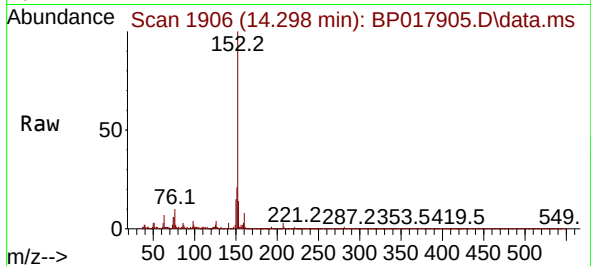
Tgt Ion:142 Resp: 25056
Ion Ratio Lower Upper
142 100
141 89.2 71.5 107.3





#50
Acenaphthylene
Concen: 2.649 ng/ul
RT: 14.298 min Scan# 1907
Delta R.T. -0.012 min
Lab File: BP017905.D
Acq: 03 Nov 2023 02:14

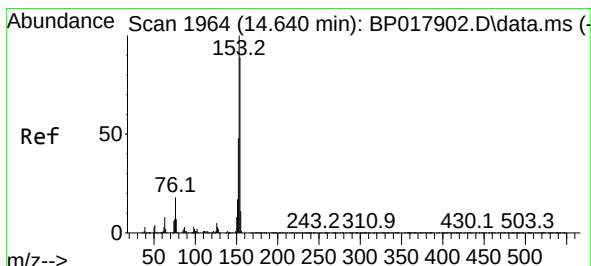
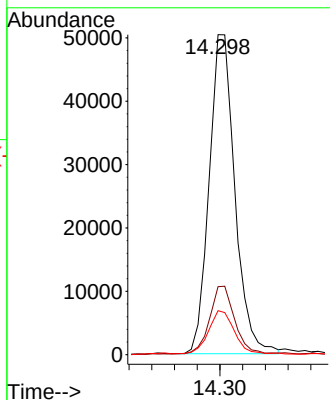
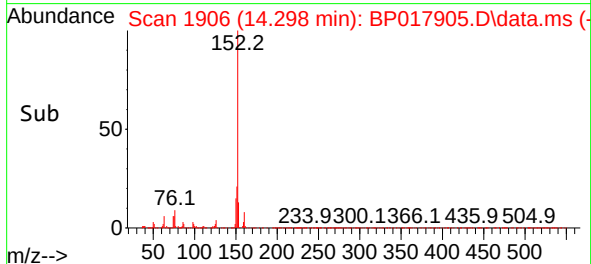
Instrument :
BNA_P
ClientSampleId :
DCKH1



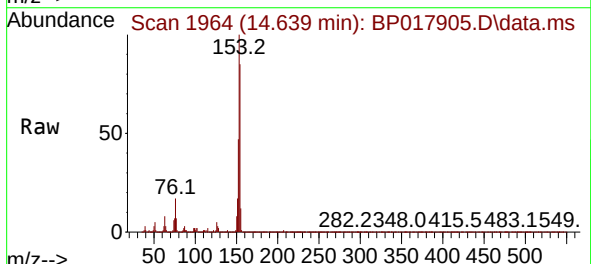
Tgt Ion:152 Resp: 79340
Ion Ratio Lower Upper
152 100
151 21.3 15.9 23.9
153 13.8 10.8 16.2

Manual Integrations
APPROVED

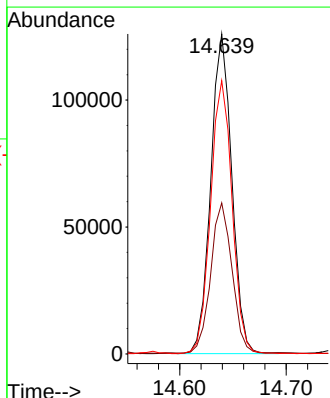
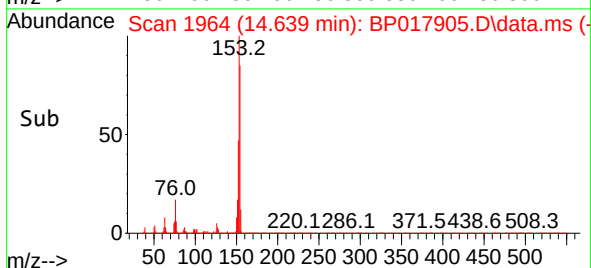
Reviewed By :Yogesh Patel 11/03/2023
Supervised By :mohammad ahmed 11/04/2023

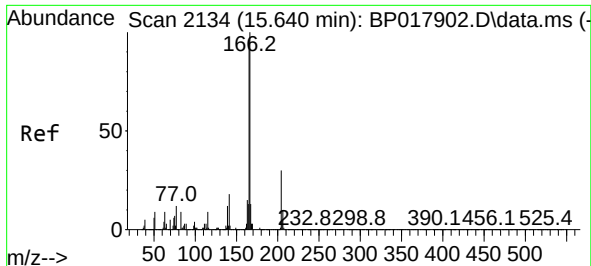


#52
Acenaphthene
Concen: 8.550 ng/ul
RT: 14.639 min Scan# 1964
Delta R.T. -0.012 min
Lab File: BP017905.D
Acq: 03 Nov 2023 02:14



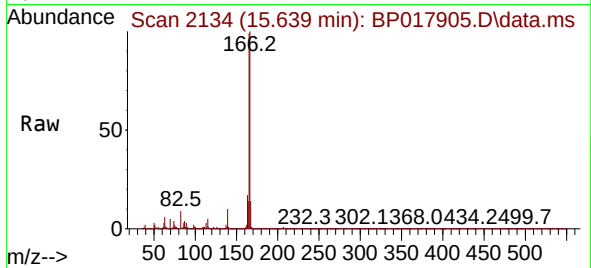
Tgt Ion:153 Resp: 173153
Ion Ratio Lower Upper
153 100
152 47.2 37.6 56.4
154 85.4 70.0 105.0





#61
Fluorene
Concen: 11.938 ng/ul
RT: 15.639 min Scan# 2134
Delta R.T. -0.006 min
Lab File: BP017905.D
Acq: 03 Nov 2023 02:14

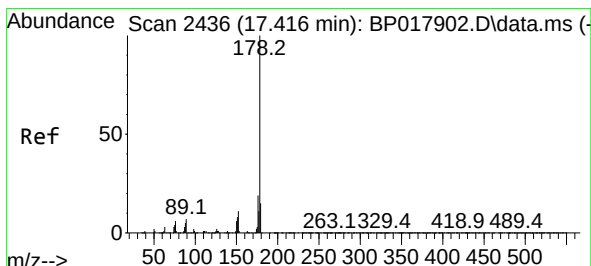
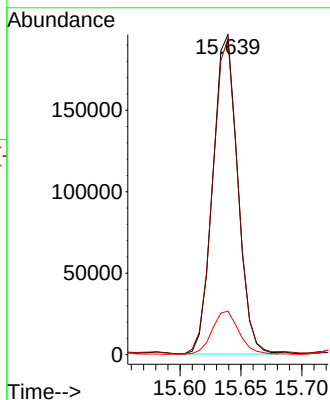
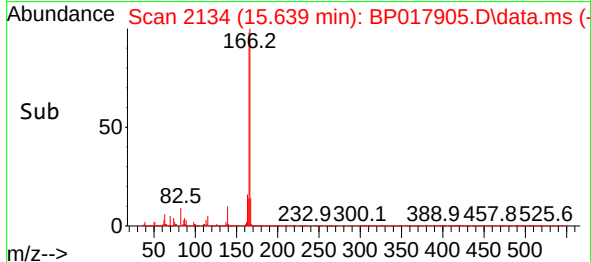
Instrument :
BNA_P
ClientSampleId :
DCKH1



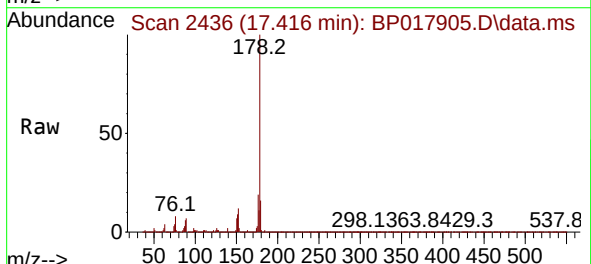
Tgt Ion:166 Resp: 27882
Ion Ratio Lower Upper
166 100
165 98.6 77.4 116.0
167 13.6 10.9 16.3

Manual Integrations
APPROVED

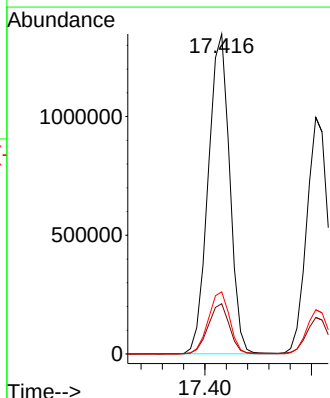
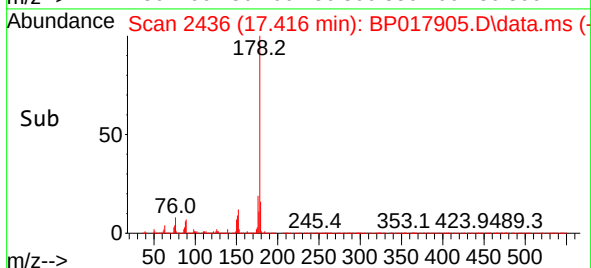
Reviewed By :Yogesh Patel 11/03/2023
Supervised By :mohammad ahmed 11/04/2023

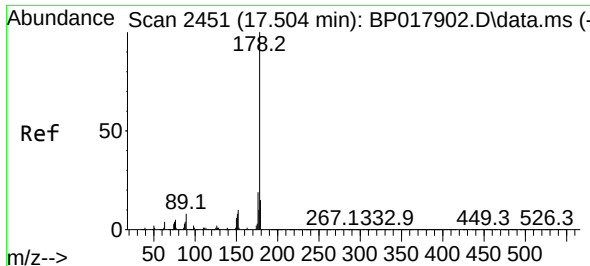


#72
Phenanthrene
Concen: 56.925 ng/ul
RT: 17.416 min Scan# 2436
Delta R.T. -0.006 min
Lab File: BP017905.D
Acq: 03 Nov 2023 02:14



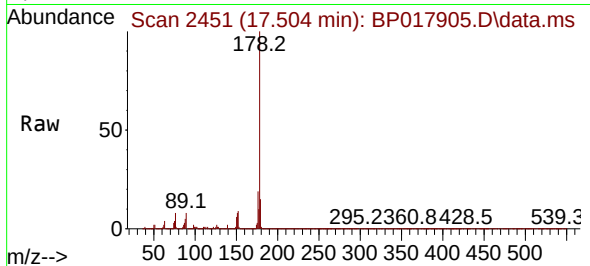
Tgt Ion:178 Resp: 1878258
Ion Ratio Lower Upper
178 100
179 15.7 12.2 18.2
176 19.4 15.3 22.9





#74
 Anthracene
 Concen: 41.246 ng/ul
 RT: 17.504 min Scan# 2451
 Delta R.T. -0.006 min
 Lab File: BP017905.D
 Acq: 03 Nov 2023 02:14

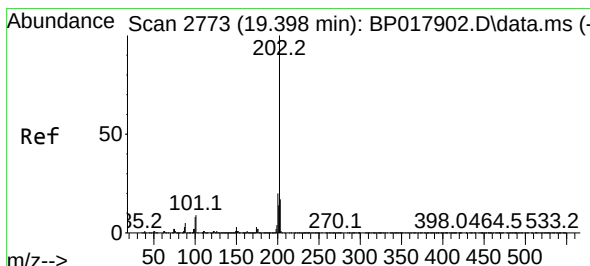
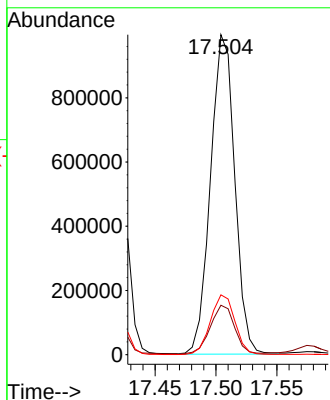
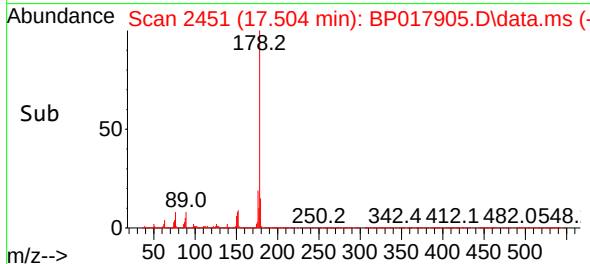
Instrument :
 BNA_P
 ClientSampleId :
 DCKH1



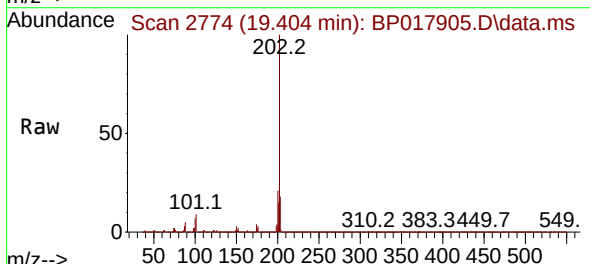
Tgt Ion:178 Resp: 1378394
 Ion Ratio Lower Upper
 178 100
 179 15.4 12.0 18.0
 176 18.7 14.8 22.2

Manual Integrations
 APPROVED

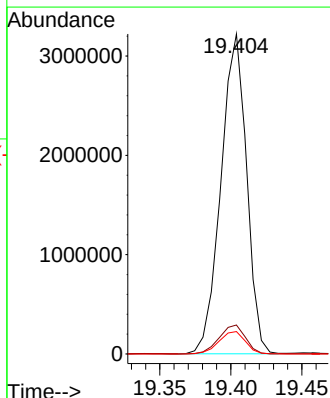
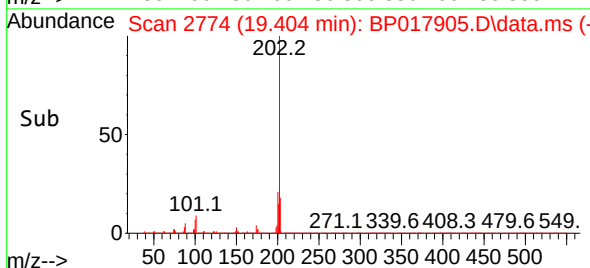
Reviewed By :Yogesh Patel 11/03/2023
 Supervised By :mohammad ahmed 11/04/2023

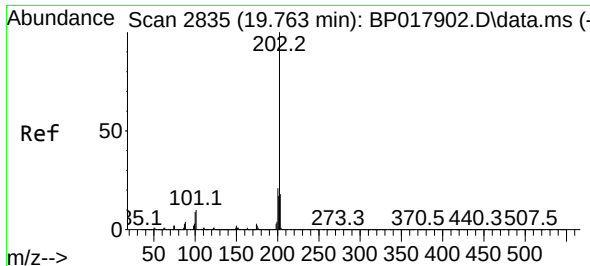


#80
 Fluoranthene
 Concen: 122.707 ng/ul
 RT: 19.404 min Scan# 2774
 Delta R.T. -0.000 min
 Lab File: BP017905.D
 Acq: 03 Nov 2023 02:14



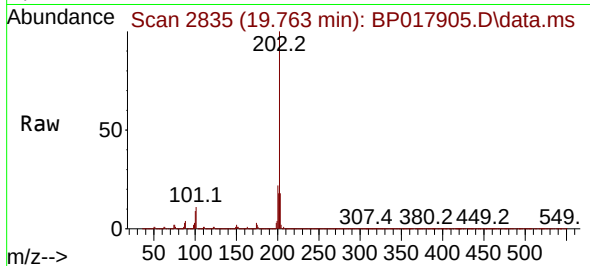
Tgt Ion:202 Resp: 4048350
 Ion Ratio Lower Upper
 202 100
 101 9.1 7.1 10.7
 100 7.0 5.7 8.5





#82
Pyrene
Concen: 95.755 ng/ul
RT: 19.763 min Scan# 2835
Delta R.T. -0.000 min
Lab File: BP017905.D
Acq: 03 Nov 2023 02:14

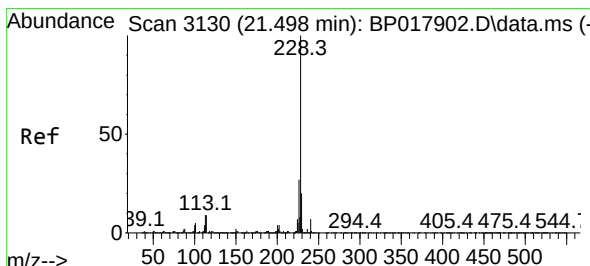
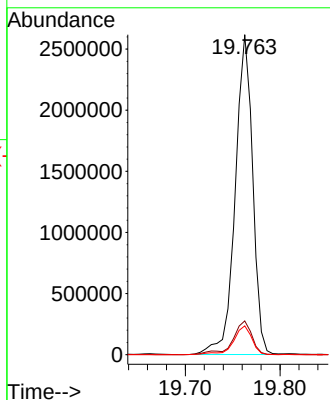
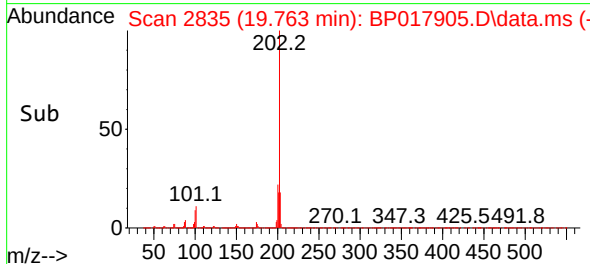
Instrument :
BNA_P
ClientSampleId :
DCKH1



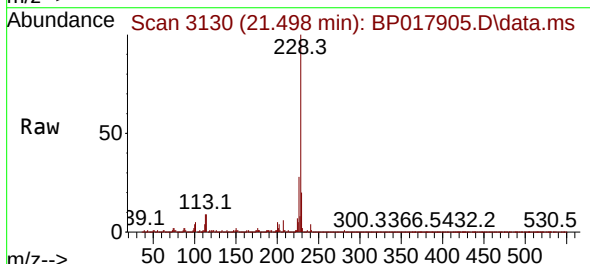
Tgt Ion:202 Resp: 334696
Ion Ratio Lower Upper
202 100
101 10.6 8.3 12.5
100 9.0 7.4 11.0

Manual Integrations
APPROVED

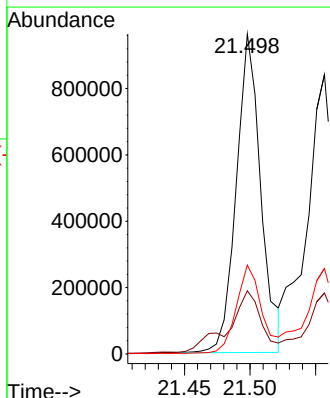
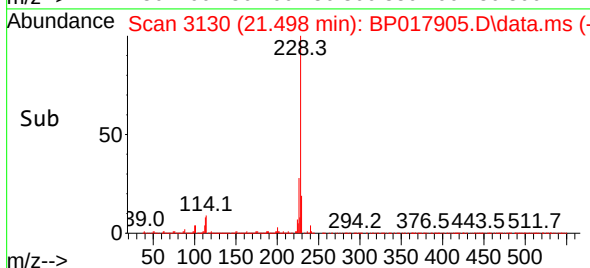
Reviewed By :Yogesh Patel 11/03/2023
Supervised By :mohammad ahmed 11/04/2023

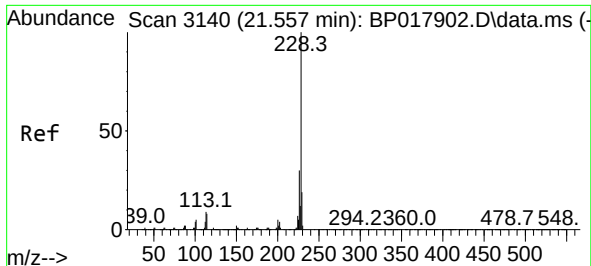


#85
Benzo(a)anthracene
Concen: 35.897 ng/ul
RT: 21.498 min Scan# 3130
Delta R.T. -0.000 min
Lab File: BP017905.D
Acq: 03 Nov 2023 02:14



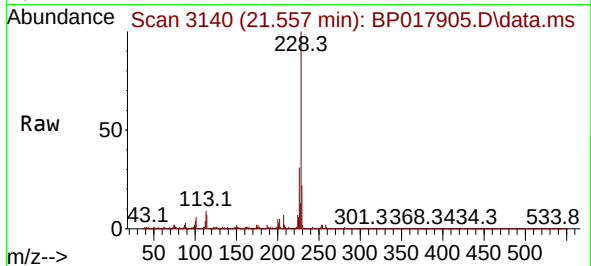
Tgt Ion:228 Resp: 1249892
Ion Ratio Lower Upper
228 100
229 19.8 15.6 23.4
226 27.8 21.1 31.7





#87
Chrysene
Concen: 37.162 ng/u1
RT: 21.557 min Scan# 3140
Delta R.T. -0.000 min
Lab File: BP017905.D
Acq: 03 Nov 2023 02:14

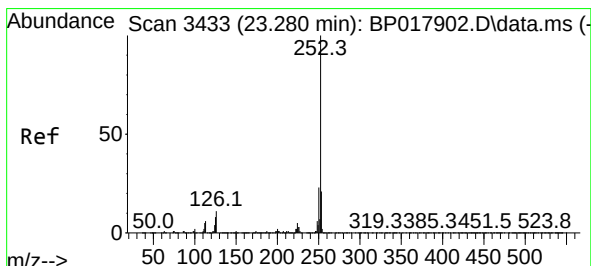
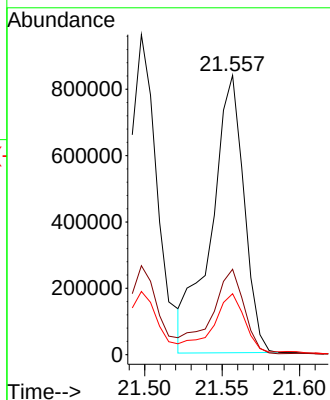
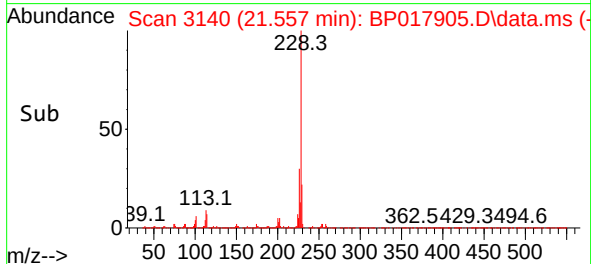
Instrument :
BNA_P
ClientSampleId :
DCKH1



Tgt Ion:228 Resp: 1223639
Ion Ratio Lower Upper
228 100
226 30.6 24.0 36.0
229 21.8 15.5 23.3

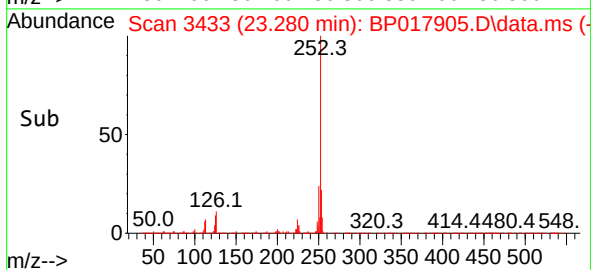
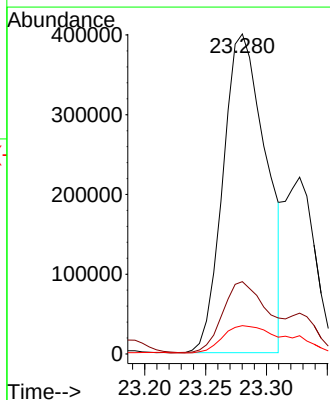
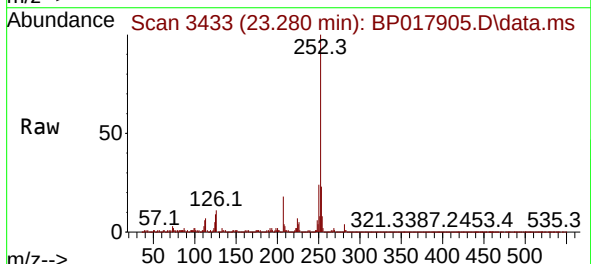
Manual Integrations
APPROVED

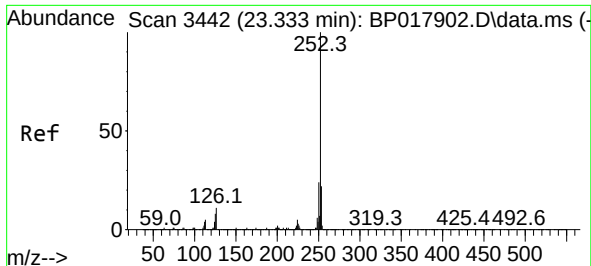
Reviewed By :Yogesh Patel 11/03/2023
Supervised By :mohammad ahmed 11/04/2023



#90
Benzo(b)fluoranthene
Concen: 29.260 ng/u1
RT: 23.280 min Scan# 3433
Delta R.T. 0.006 min
Lab File: BP017905.D
Acq: 03 Nov 2023 02:14

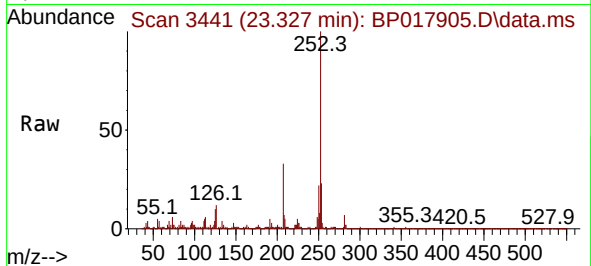
Tgt Ion:252 Resp: 983212
Ion Ratio Lower Upper
252 100
253 22.6 17.4 26.0
125 8.9 7.1 10.7





#91
Benzo(k)fluoranthene
Concen: 11.147 ng/ul m
RT: 23.327 min Scan# 3442
Delta R.T. -0.000 min
Lab File: BP017905.D
Acq: 03 Nov 2023 02:14

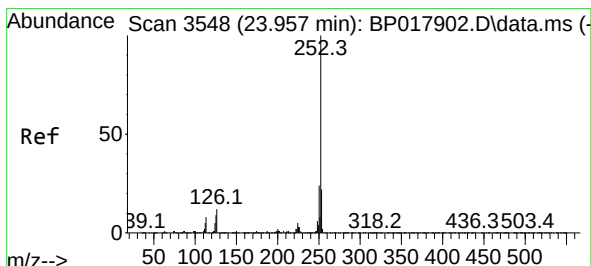
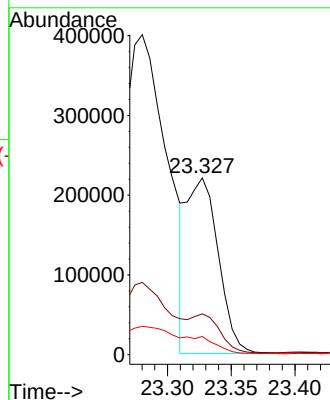
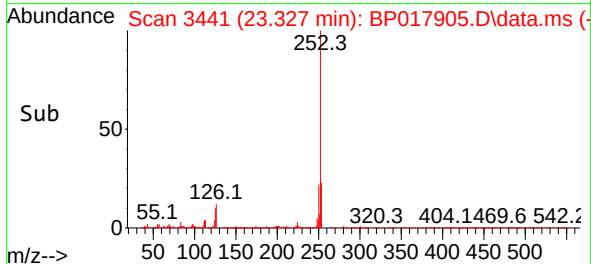
Instrument :
BNA_P
ClientSampleId :
DCKH1



Tgt Ion:252 Resp: 379620
Ion Ratio Lower Upper
252 100
253 23.1 17.5 26.3
125 10.3 7.0 10.6

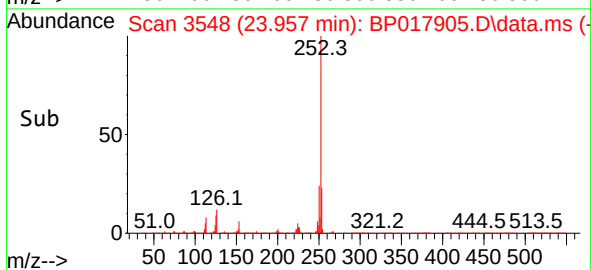
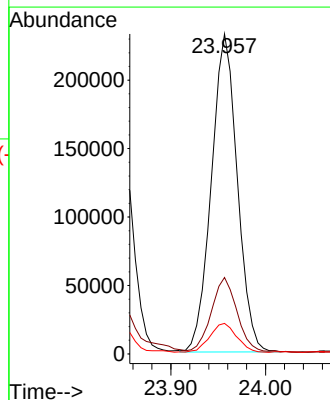
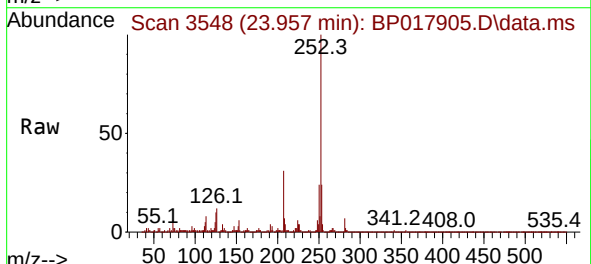
Manual Integrations
APPROVED

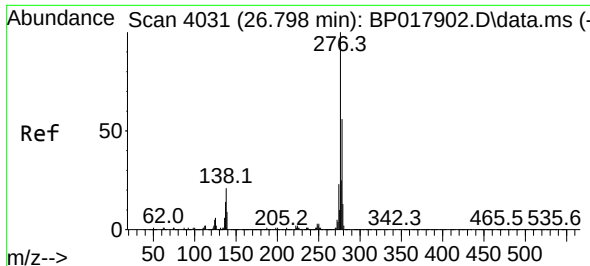
Reviewed By :Yogesh Patel 11/03/2023
Supervised By :mohammad ahmed 11/04/2023



#93
Benzo(a)pyrene
Concen: 14.038 ng/ul
RT: 23.957 min Scan# 3548
Delta R.T. -0.000 min
Lab File: BP017905.D
Acq: 03 Nov 2023 02:14

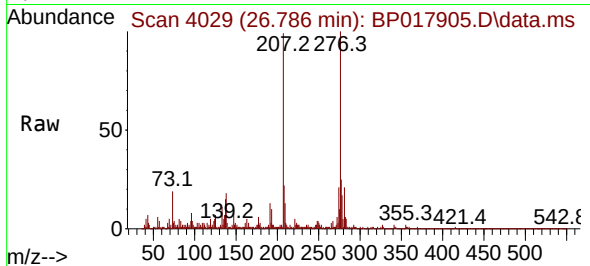
Tgt Ion:252 Resp: 442849
Ion Ratio Lower Upper
252 100
253 23.9 17.4 26.2
125 9.5 7.8 11.6





#94
Indeno(1,2,3-cd)pyrene
Concen: 6.482 ng/ul
RT: 26.786 min Scan# 4031
Delta R.T. 0.006 min
Lab File: BP017905.D
Acq: 03 Nov 2023 02:14

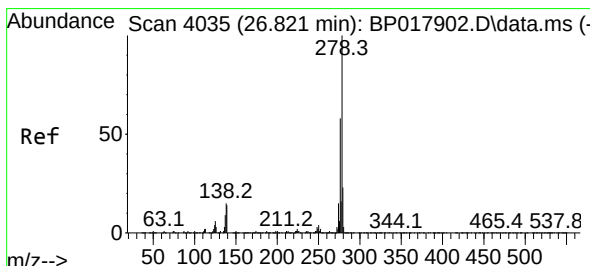
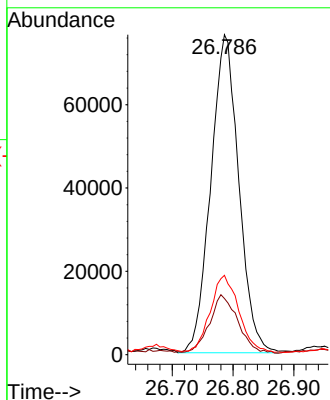
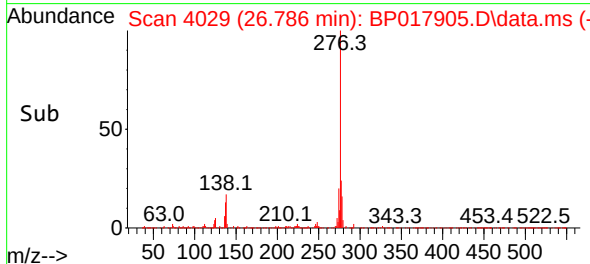
Instrument :
BNA_P
ClientSampleId :
DCKH1



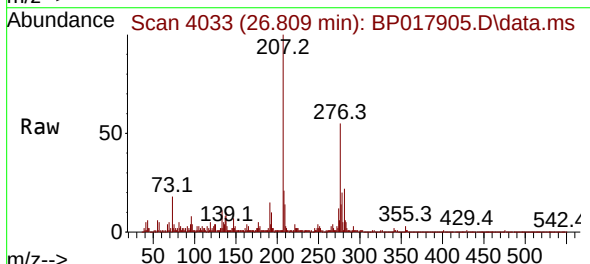
Tgt Ion: 276 Resp: 243710
Ion Ratio Lower Upper
276 100
138 17.6 15.6 23.4
277 24.8 19.4 29.2

Manual Integrations
APPROVED

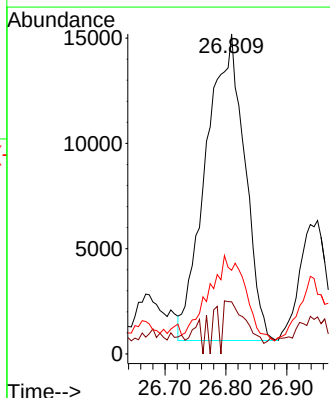
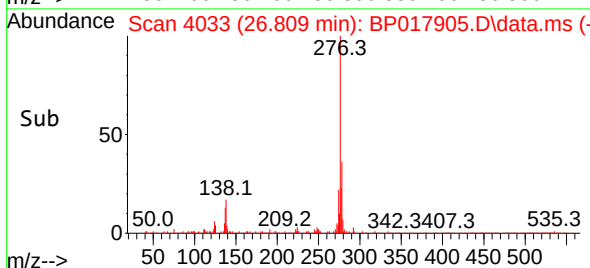
Reviewed By : Yogesh Patel 11/03/2023
Supervised By : mohammad ahmed 11/04/2023

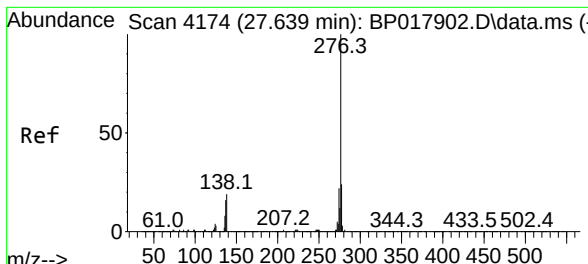


#95
Dibenzo(a,h)anthracene
Concen: 2.046 ng/ul
RT: 26.809 min Scan# 4033
Delta R.T. -0.000 min
Lab File: BP017905.D
Acq: 03 Nov 2023 02:14



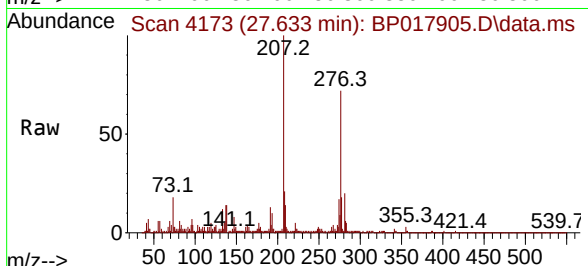
Tgt Ion: 278 Resp: 64173
Ion Ratio Lower Upper
278 100
139 20.4 11.4 17.2#
279 26.1 18.8 28.2





#96
 Benzo(g,h,i)perylene
 Concen: 6.755 ng/ul
 RT: 27.633 min Scan# 4174
 Delta R.T. 0.006 min
 Lab File: BP017905.D
 Acq: 03 Nov 2023 02:14

Instrument :
 BNA_P
 ClientSampleId :
 DCKH1



Tgt Ion: 276 Resp: 204620

Ion	Ratio	Lower	Upper
276	100		
138	19.7	15.0	22.6
277	24.6	18.5	27.7

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/03/2023
 Supervised By :mohammad ahmed 11/04/2023

