

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071923\
 Data File : BP016321.D
 Acq On : 19 Jul 2023 13:05
 Operator : MA/JU
 Sample : 03458-25DL 2X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A46L5DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/19/2023
 Supervised By :Sohil Jodhani 07/19/2023

Quant Time: Jul 19 15:04:04 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071223.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 19 01:28:59 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.958	152	95333m	20.000	ng/u1	0.01
20) Naphthalene-d8	10.787	136	444702	20.000	ng/u1	0.02
38) Acenaphthene-d10	14.610	164	303721	20.000	ng/u1	0.01
64) Phenanthrene-d10	17.369	188	716533	20.000	ng/u1	0.00
79) Chrysene-d12	21.457	240	853123	20.000	ng/u1	0.00
88) Perylene-d12	23.945	264	1033777	20.000	ng/u1	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.281	96	3769m	1.399	ng/uL	0.00
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	7.222	99	35727	4.149	ng/u1	0.09
9) Bis-(2-Chloroethyl)eth...	7.316	67	31586m	5.425	ng/u1	0.04
11) 2-Chlorophenol-d4	7.534	132	40555m	6.524	ng/u1	0.06
15) 4-Methylphenol-d8	8.816	113	45905m	6.618	ng/u1	0.12
21) Nitrobenzene-d5	9.216	128	19913m	6.491	ng/u1	0.08
24) 2-Nitrophenol-d4	9.981	143	23587m	6.746	ng/u1	0.12
28) 2,4-Dichlorophenol-d3	10.604	165	42102m	6.953	ng/u1	0.18
31) 4-Chloroaniline-d4	11.263	131	5878m	0.606	ng/u1	0.32
46) Dimethylphthalate-d6	14.051	166	181479	7.833	ng/u1	0.04
49) Acenaphthylene-d8	14.310	160	165717	6.527	ng/u1	0.01
54) 4-Nitrophenol-d4	15.069	143	18258m	3.861	ng/u1	0.14
60) Fluorene-d10	15.622	176	159722	8.238	ng/u1	0.02
65) 4,6-Dinitro-2-methylph...	15.863	200	12733m	3.078	ng/u1	0.08
73) Anthracene-d10	17.481	188	246132	7.853	ng/u1	0.00
81) Pyrene-d10	19.704	212	177370	4.007	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.792	264	109915	2.214	ng/u1	0.00
Target Compounds						
					Qvalue	
16) Acetophenone	8.893	105	39993m	3.496	ng/u1	
30) Naphthalene	10.846	128	32858	1.408	ng/u1	98
52) Acenaphthene	14.681	153	76041	3.855	ng/u1	100
56) Dibenzofuran	15.051	168	47892	1.783	ng/u1	95
61) Fluorene	15.687	166	76441	3.406	ng/u1	97
72) Phenanthrene	17.410	178	1115764	29.886	ng/u1	100
74) Anthracene	17.522	178	216200m	5.763	ng/u1	
77) Carbazole	17.822	167	53875	1.575	ng/u1	98
80) Fluoranthene	19.375	202	1895744	36.621	ng/u1	97
82) Pyrene	19.733	202	680142	12.306	ng/u1	96
85) Benzo(a)anthracene	21.445	228	845567	15.220	ng/u1	97
86) Bis(2-ethylhexyl)phtha...	21.322	149	48821	1.371	ng/u1	100
87) Chrysene	21.498	228	734185	13.046	ng/u1	99
90) Benzo(b)fluoranthene	23.186	252	842456	14.267	ng/u1	99
91) Benzo(k)fluoranthene	23.233	252	355896	5.922	ng/u1	98
93) Benzo(a)pyrene	23.845	252	127327	2.177	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	26.604	276	133771	1.847	ng/u1	97
95) Dibenzo(a,h)anthracene	26.592	278	96106	1.627	ng/u1	96

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

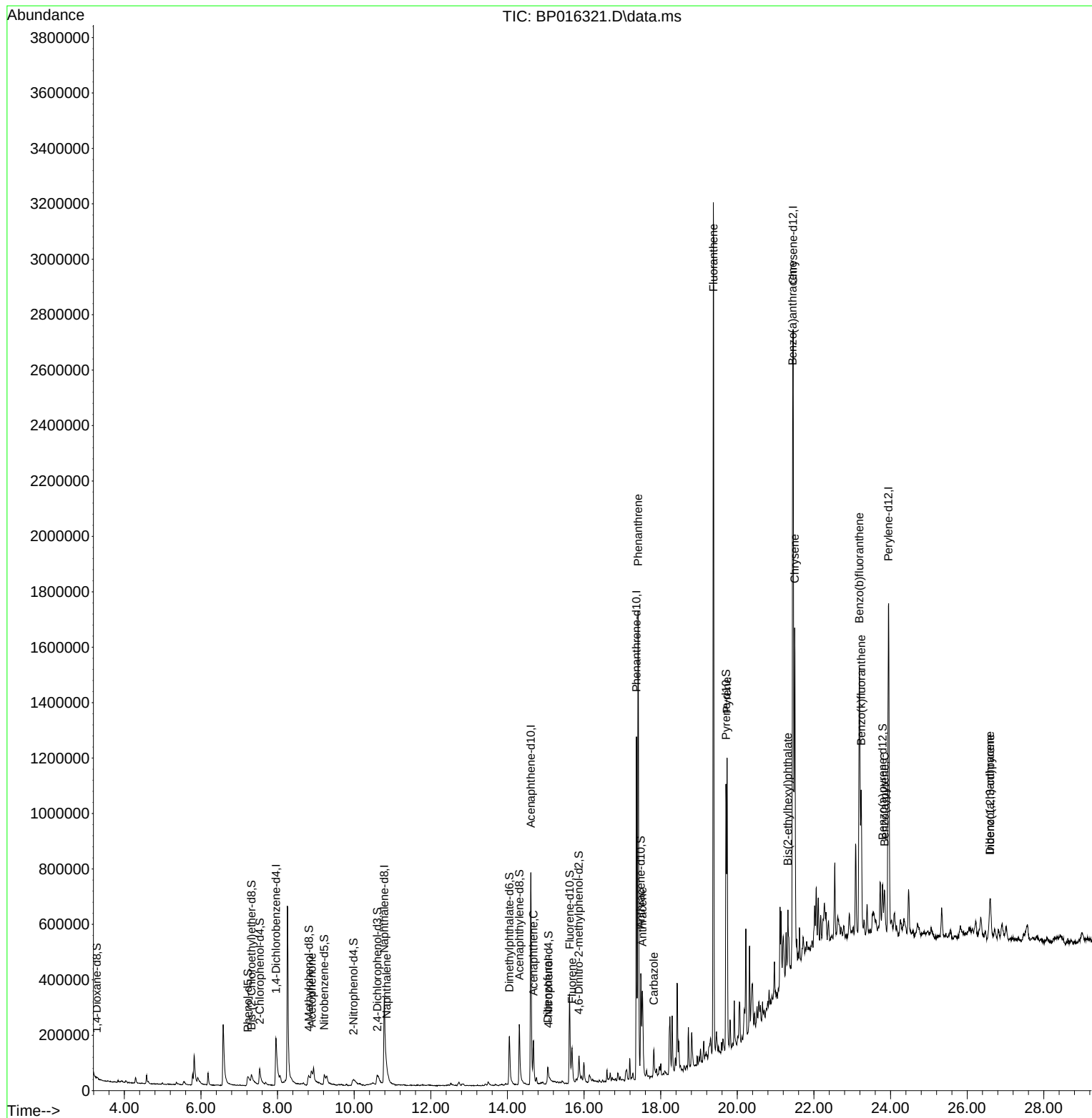
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071923\
Data File : BP016321.D
Acq On : 19 Jul 2023 13:05
Operator : MA/JU
Sample : 03458-25DL 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

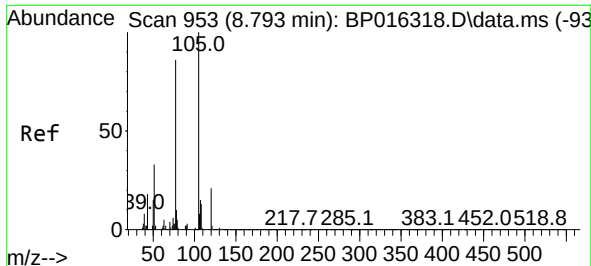
Instrument :
BNA_P
ClientSampleId :
A46L5DL

Quant Time: Jul 19 15:04:04 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071223.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jul 19 01:28:59 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/19/2023
Supervised By :Sohil Jodhani 07/19/2023





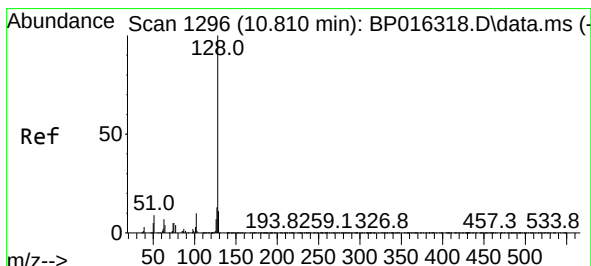
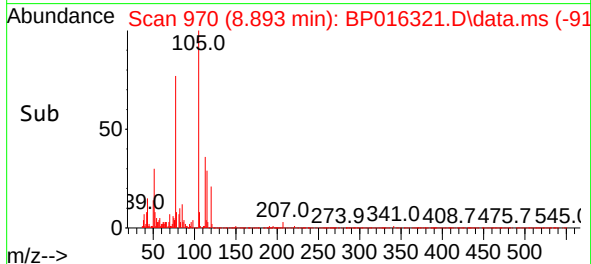
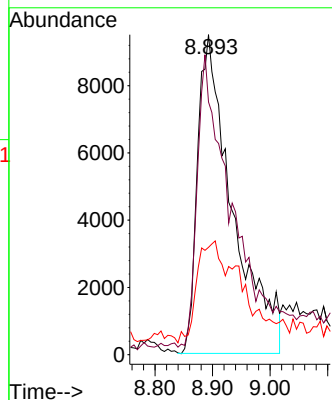
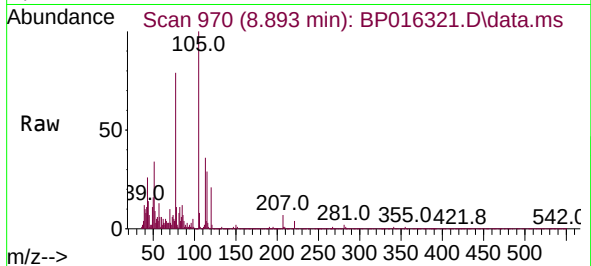
#16
Acetophenone
Concen: 3.496 ng/ul m
RT: 8.893 min Scan# 91
Delta R.T. 0.100 min
Lab File: BP016321.D
Acq: 19 Jul 2023 13:05

Instrument :
BNA_P
ClientSampleId :
A46L5DL

Tgt Ion:105 Resp: 3999
Ion Ratio Lower Upper
105 100
77 79.0 70.2 105.2
51 33.6 26.3 39.5

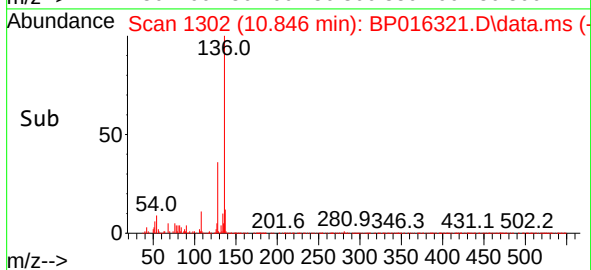
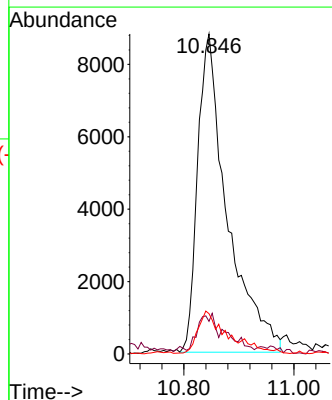
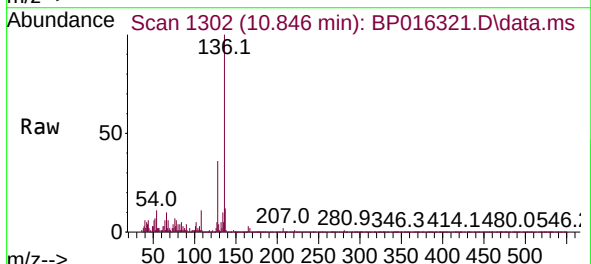
Manual Integrations
APPROVED

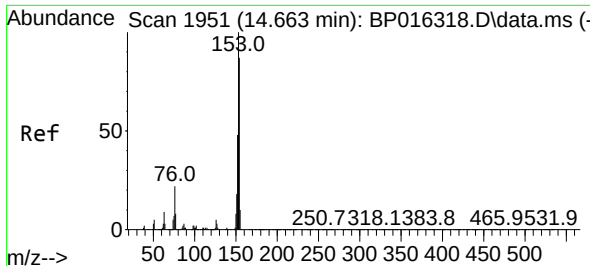
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :Sohil Jodhani 07/19/2023



#30
Naphthalene
Concen: 1.408 ng/ul
RT: 10.846 min Scan# 1302
Delta R.T. 0.035 min
Lab File: BP016321.D
Acq: 19 Jul 2023 13:05

Tgt Ion:128 Resp: 32858
Ion Ratio Lower Upper
128 100
129 10.2 8.9 13.3
127 12.6 10.9 16.3





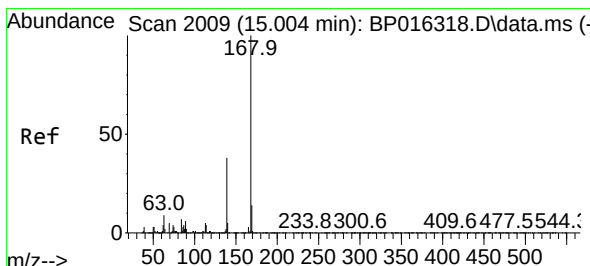
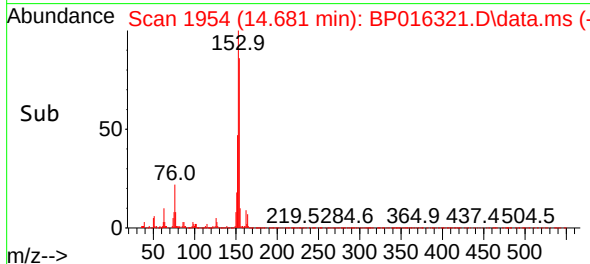
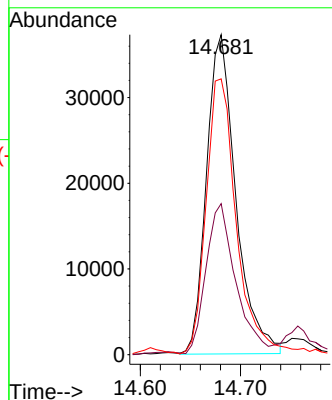
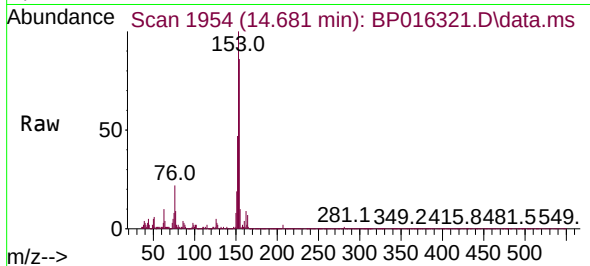
#52
Acenaphthene
Concen: 3.855 ng/ul
RT: 14.681 min Scan# 1954
Delta R.T. 0.018 min
Lab File: BP016321.D
Acq: 19 Jul 2023 13:05

Instrument :
BNA_P
ClientSampleId :
A46L5DL

Tgt Ion:153 Resp: 7604
Ion Ratio Lower Upper
153 100
152 47.2 37.9 56.9
154 86.2 69.3 103.9

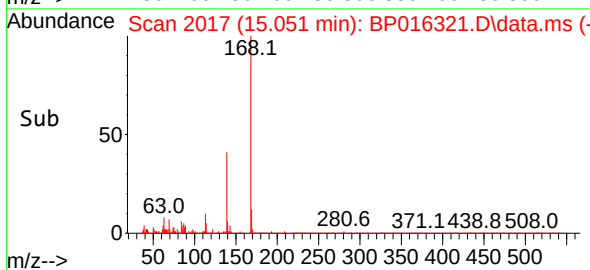
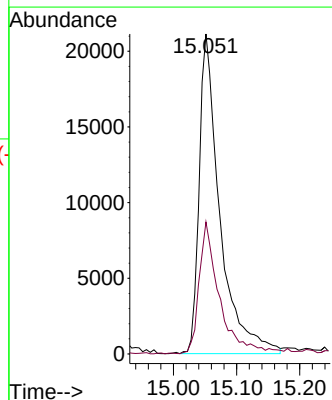
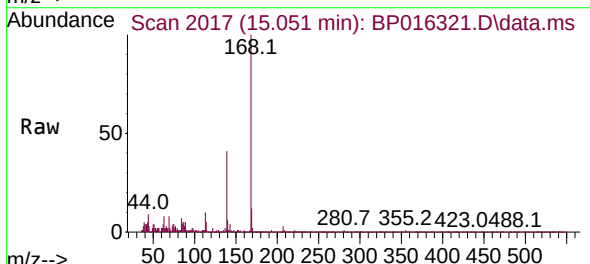
Manual Integrations
APPROVED

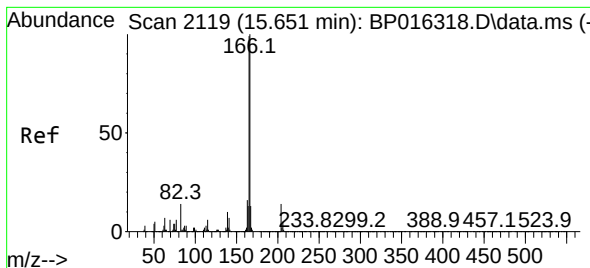
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :Sohil Jodhani 07/19/2023



#56
Dibenzofuran
Concen: 1.783 ng/ul
RT: 15.051 min Scan# 2017
Delta R.T. 0.041 min
Lab File: BP016321.D
Acq: 19 Jul 2023 13:05

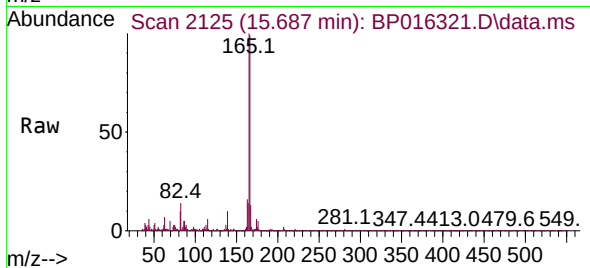
Tgt Ion:168 Resp: 47892
Ion Ratio Lower Upper
168 100
139 41.2 30.6 45.8





#61
Fluorene
Concen: 3.406 ng/ul
RT: 15.687 min Scan# 2119
Delta R.T. 0.030 min
Lab File: BP016321.D
Acq: 19 Jul 2023 13:05

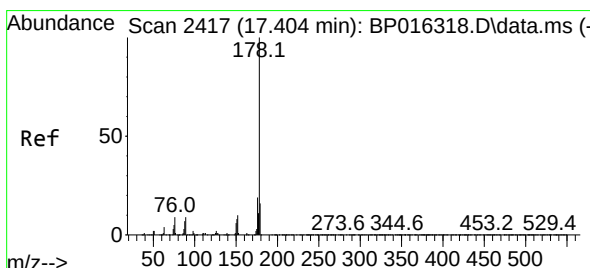
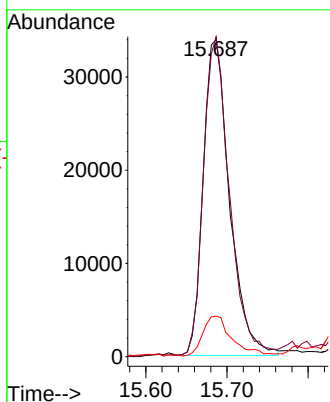
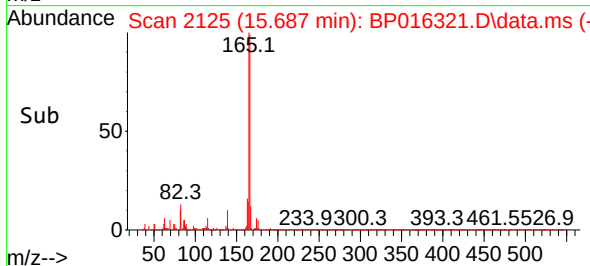
Instrument :
BNA_P
ClientSampleId :
A46L5DL



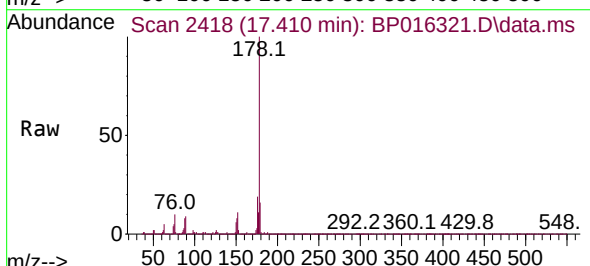
Tgt Ion:166 Resp: 7644
Ion Ratio Lower Upper
166 100
165 100.9 78.6 117.8
167 12.8 11.0 16.4

Manual Integrations
APPROVED

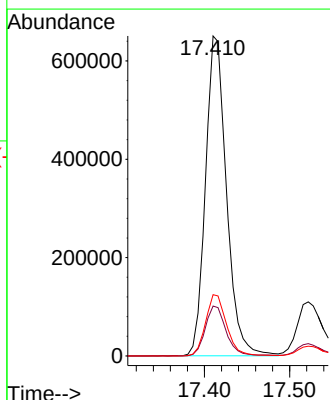
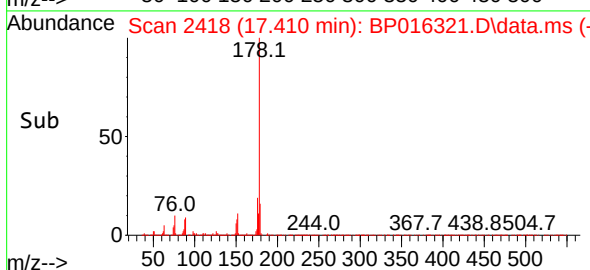
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :Sohil Jodhani 07/19/2023

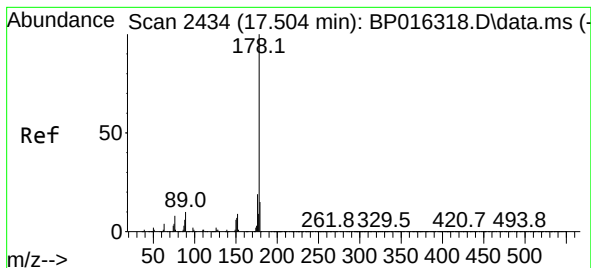


#72
Phenanthrene
Concen: 29.886 ng/ul
RT: 17.410 min Scan# 2418
Delta R.T. 0.000 min
Lab File: BP016321.D
Acq: 19 Jul 2023 13:05



Tgt Ion:178 Resp: 1115764
Ion Ratio Lower Upper
178 100
179 15.6 12.5 18.7
176 19.1 15.6 23.4





#74

Anthracene

Concen: 5.763 ng/ul m

RT: 17.522 min Scan# 2434

Delta R.T. 0.012 min

Lab File: BP016321.D

Acq: 19 Jul 2023 13:05

Instrument :

BNA_P

ClientSampleId :

A46L5DL

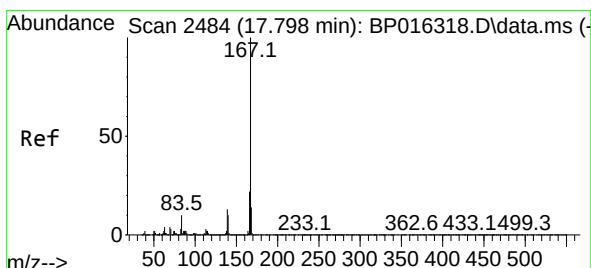
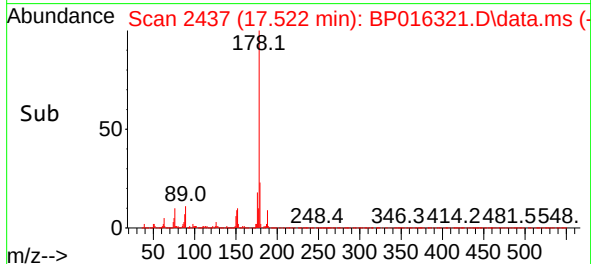
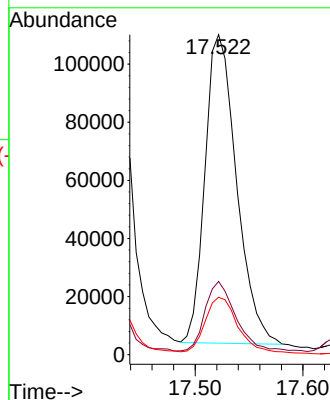
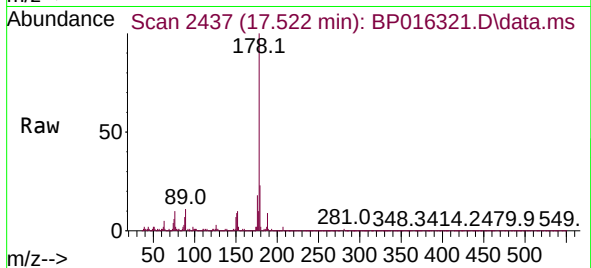
Tgt Ion:	178	Resp:	216200
Ion Ratio	Lower	Upper	
178	100		
179	22.9	11.9	17.9
176	17.9	15.0	22.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/19/2023

Supervised By :Sohil Jodhani 07/19/2023



#77

Carbazole

Concen: 1.575 ng/ul

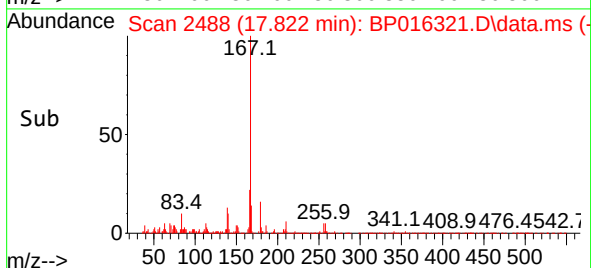
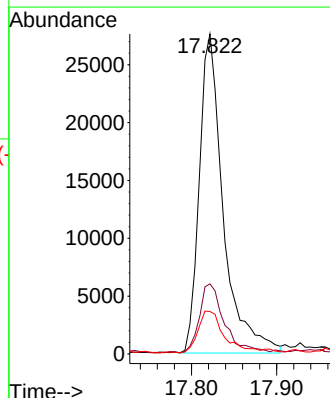
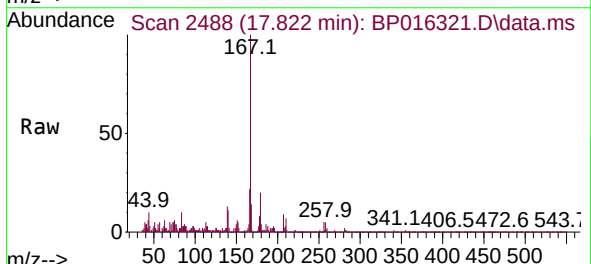
RT: 17.822 min Scan# 2488

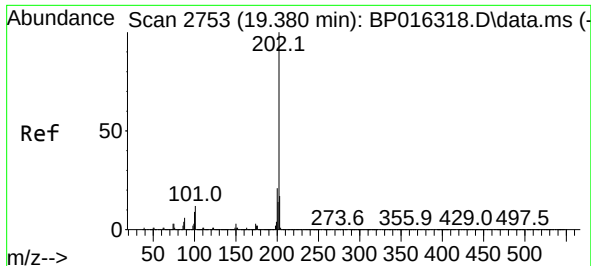
Delta R.T. 0.018 min

Lab File: BP016321.D

Acq: 19 Jul 2023 13:05

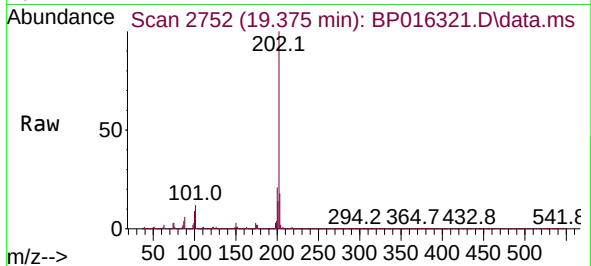
Tgt Ion:	167	Resp:	53875
Ion Ratio	Lower	Upper	
167	100		
166	21.9	16.8	25.2
139	13.3	10.2	15.4





#80
Fluoranthene
Concen: 36.621 ng/u1
RT: 19.375 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP016321.D
Acq: 19 Jul 2023 13:05

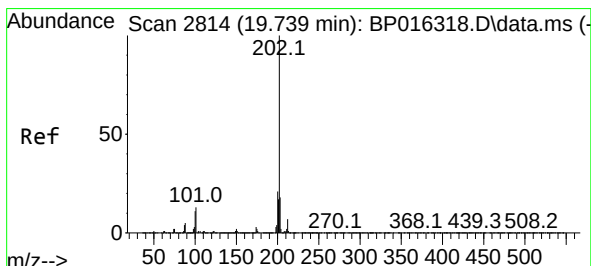
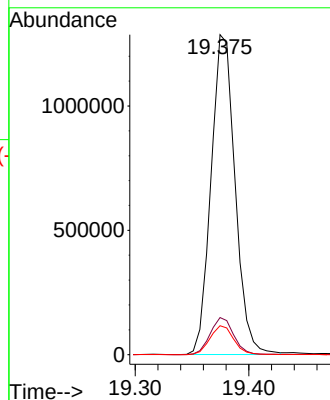
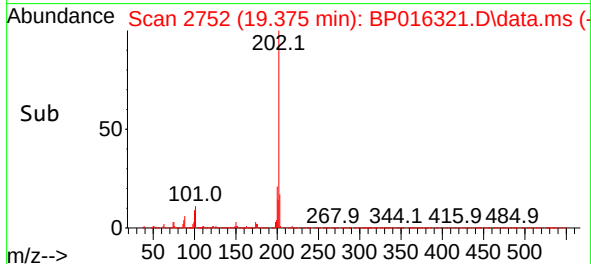
Instrument :
BNA_P
ClientSampleId :
A46L5DL



Tgt Ion:202 Resp: 1895744
Ion Ratio Lower Upper
202 100
101 11.6 10.4 15.6
100 9.1 8.2 12.4

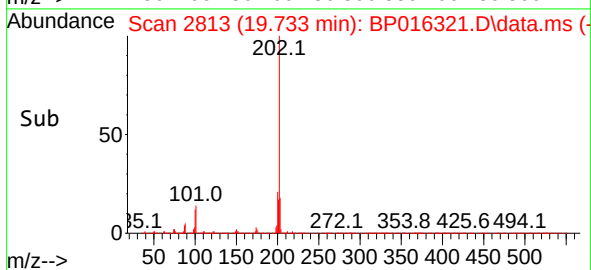
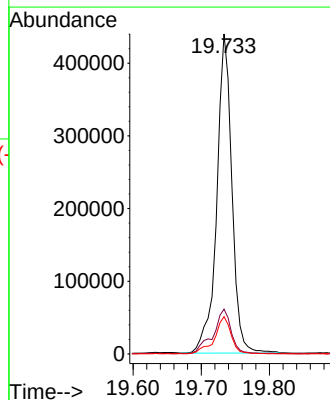
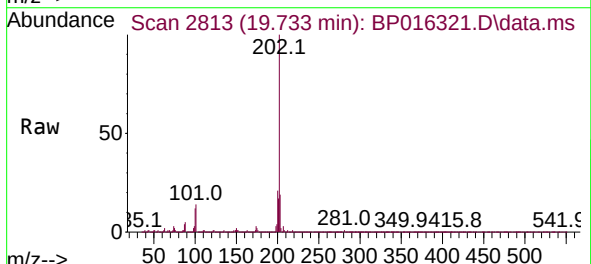
Manual Integrations
APPROVED

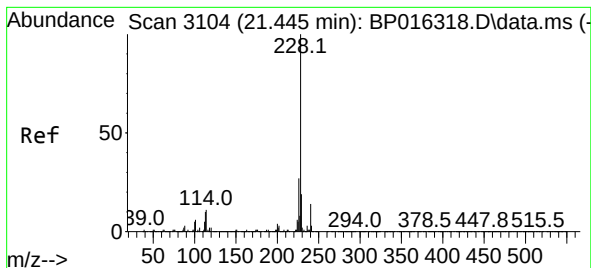
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :Sohil Jodhani 07/19/2023



#82
Pyrene
Concen: 12.306 ng/u1
RT: 19.733 min Scan# 2813
Delta R.T. -0.006 min
Lab File: BP016321.D
Acq: 19 Jul 2023 13:05

Tgt Ion:202 Resp: 680142
Ion Ratio Lower Upper
202 100
101 14.0 12.4 18.6
100 11.7 10.5 15.7





#85

Benzo(a)anthracene

Concen: 15.220 ng/ul

RT: 21.445 min Scan# 3104

Delta R.T. 0.000 min

Lab File: BP016321.D

Acq: 19 Jul 2023 13:05

Instrument :

BNA_P

ClientSampleId :

A46L5DL

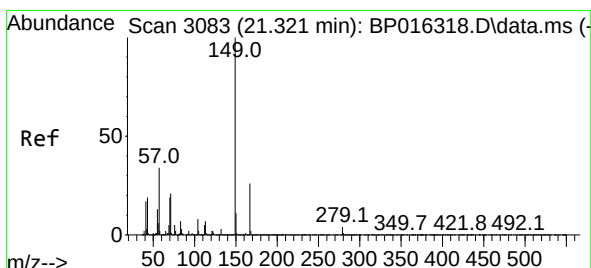
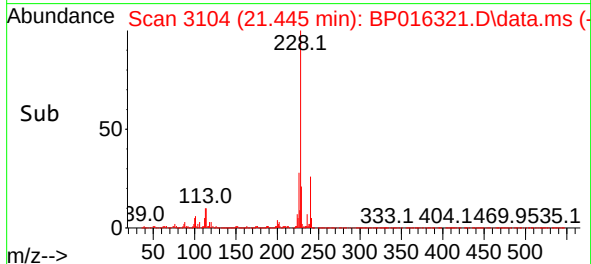
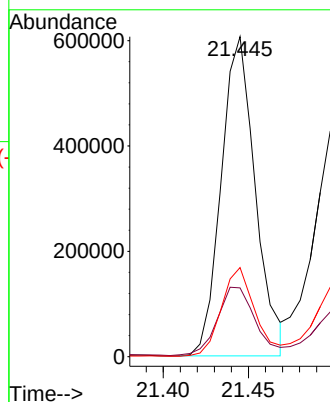
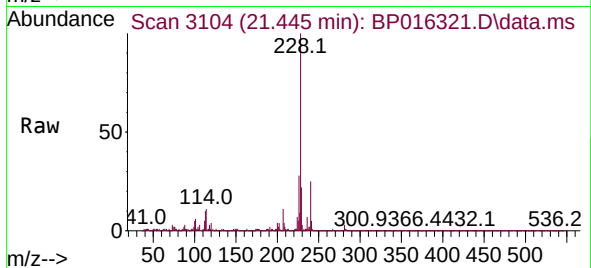
Tgt Ion:228 Resp: 84556

Ion	Ratio	Lower	Upper
228	100		
229	21.5	15.5	23.3
226	27.9	21.5	32.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/19/2023
Supervised By :Sohil Jodhani 07/19/2023



#86

Bis(2-ethylhexyl)phthalate

Concen: 1.371 ng/ul

RT: 21.322 min Scan# 3083

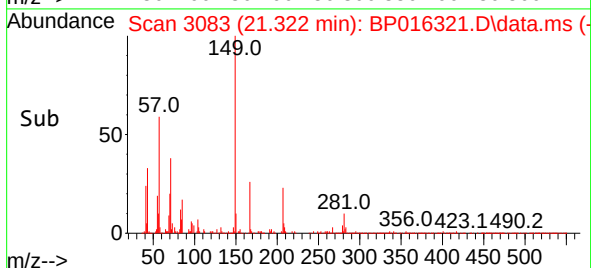
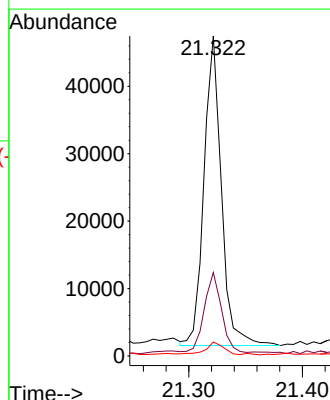
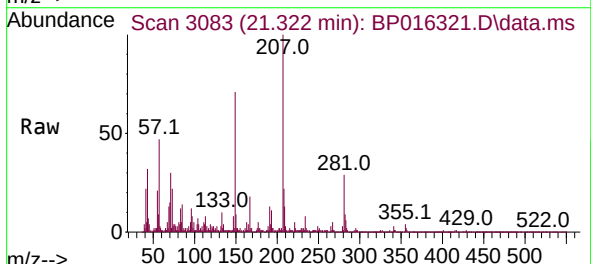
Delta R.T. -0.006 min

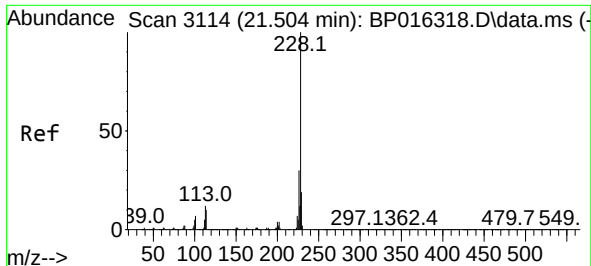
Lab File: BP016321.D

Acq: 19 Jul 2023 13:05

Tgt Ion:149 Resp: 48821

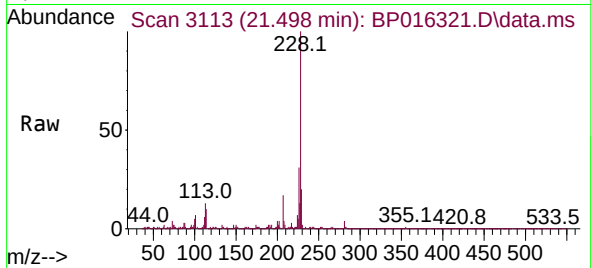
Ion	Ratio	Lower	Upper
149	100		
167	26.1	21.0	31.4
279	4.3	3.0	4.6





#87
Chrysene
Concen: 13.046 ng/ul
RT: 21.498 min Scan# 3114
Delta R.T. -0.006 min
Lab File: BP016321.D
Acq: 19 Jul 2023 13:05

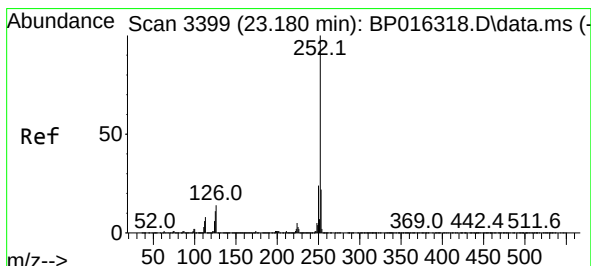
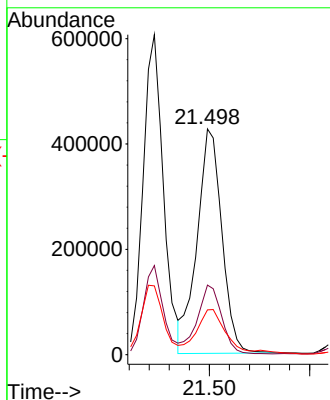
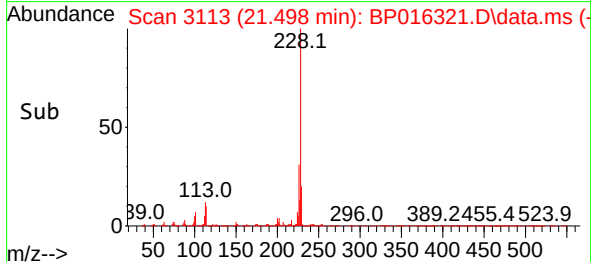
Instrument :
BNA_P
ClientSampleId :
A46L5DL



Tgt Ion:228 Resp: 734185
Ion Ratio Lower Upper
228 100
226 30.8 24.0 36.0
229 19.8 15.5 23.3

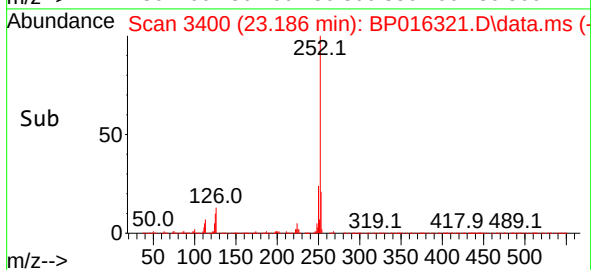
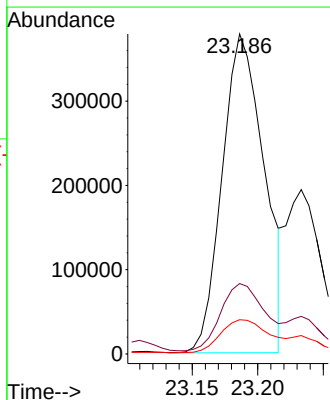
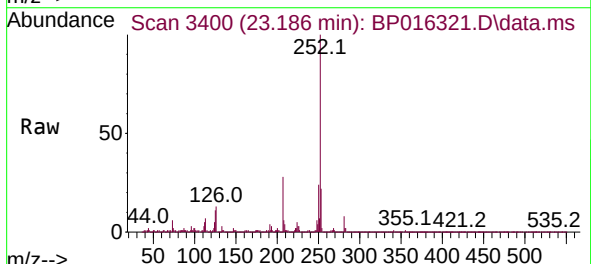
Manual Integrations
APPROVED

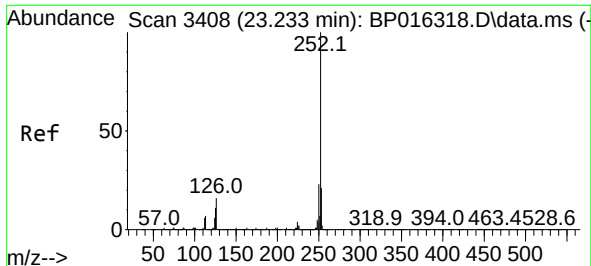
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :Sohil Jodhani 07/19/2023



#90
Benzo(b)fluoranthene
Concen: 14.267 ng/ul
RT: 23.186 min Scan# 3400
Delta R.T. 0.000 min
Lab File: BP016321.D
Acq: 19 Jul 2023 13:05

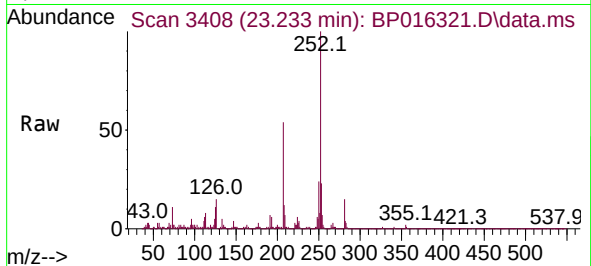
Tgt Ion:252 Resp: 842456
Ion Ratio Lower Upper
252 100
253 22.0 17.3 25.9
125 10.7 9.4 14.0





#91
Benzo(k)fluoranthene
Concen: 5.922 ng/ul
RT: 23.233 min Scan# 3408
Delta R.T. -0.006 min
Lab File: BP016321.D
Acq: 19 Jul 2023 13:05

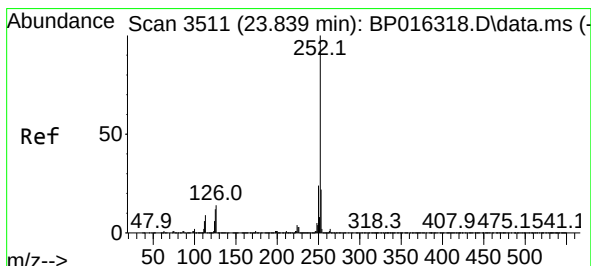
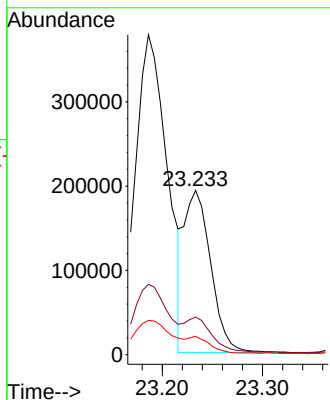
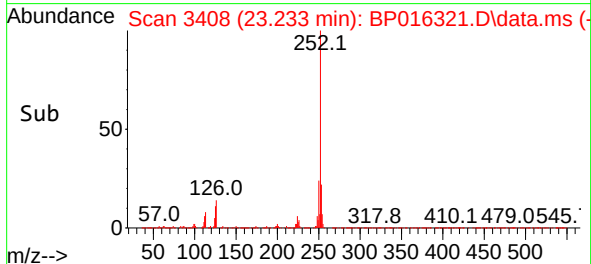
Instrument :
BNA_P
ClientSampleId :
A46L5DL



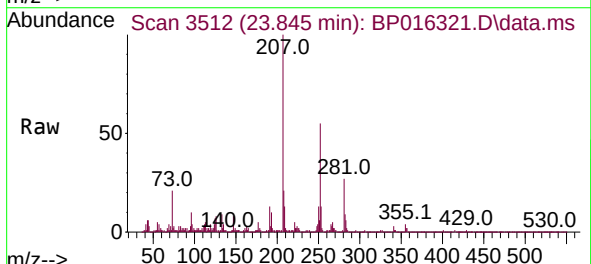
Tgt Ion:252 Resp: 355890
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.2
125 11.2 9.3 13.9

Manual Integrations
APPROVED

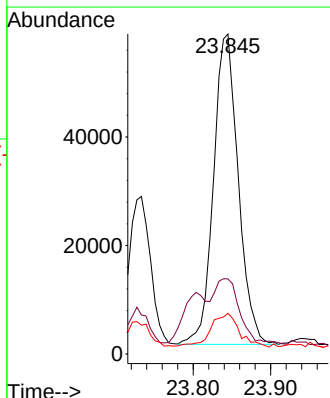
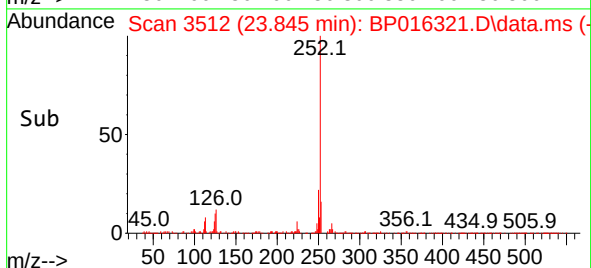
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :Sohil Jodhani 07/19/2023

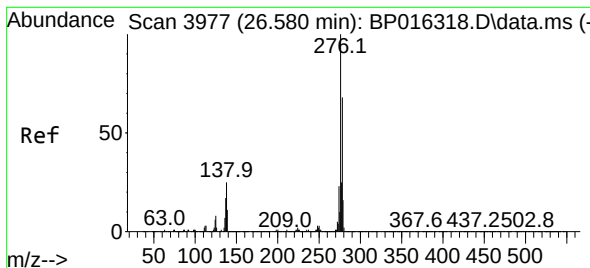


#93
Benzo(a)pyrene
Concen: 2.177 ng/ul
RT: 23.845 min Scan# 3512
Delta R.T. 0.000 min
Lab File: BP016321.D
Acq: 19 Jul 2023 13:05



Tgt Ion:252 Resp: 127327
Ion Ratio Lower Upper
252 100
253 23.4 17.2 25.8
125 12.7 9.8 14.6





#94

Indeno(1,2,3-cd)pyrene

Concen: 1.847 ng/ul

RT: 26.604 min Scan# 3981

Delta R.T. 0.018 min

Lab File: BP016321.D

Acq: 19 Jul 2023 13:05

Instrument :

BNA_P

ClientSampleId :

A46L5DL

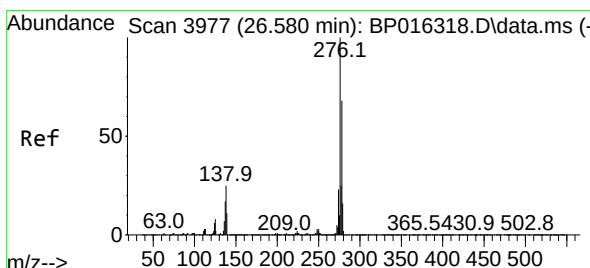
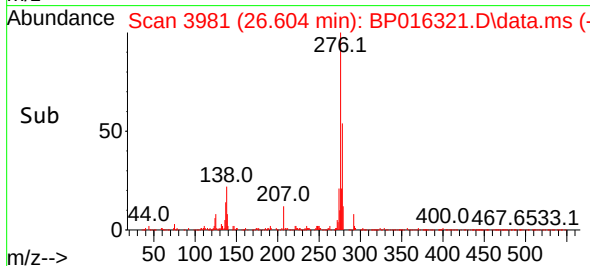
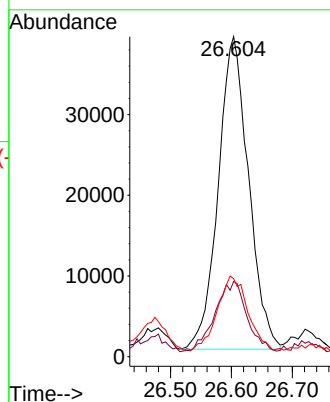
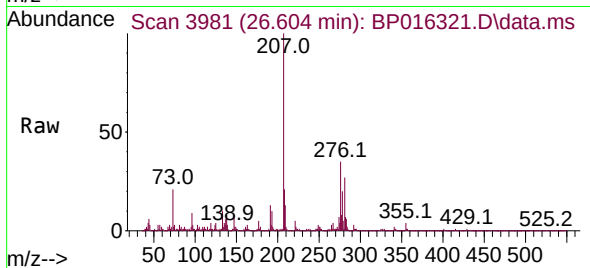
Tgt Ion:	276	Resp:	13377
Ion Ratio	Lower	Upper	
276	100		
138	23.5	20.8	31.2
277	24.3	19.8	29.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/19/2023

Supervised By :Sohil Jodhani 07/19/2023



#95

Dibenzo(a,h)anthracene

Concen: 1.627 ng/ul

RT: 26.592 min Scan# 3979

Delta R.T. 0.006 min

Lab File: BP016321.D

Acq: 19 Jul 2023 13:05

Tgt Ion:	278	Resp:	96106
Ion Ratio	Lower	Upper	
278	100		
139	18.6	13.9	20.9
279	25.0	18.2	27.4

