

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP070423\
 Data File : BP016019.D
 Acq On : 05 Jul 2023 18:08
 Operator : MA/JU
 Sample : 03245-16
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DCGH4

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/05/2023
 Supervised By :Sohil Jodhani 07/05/2023

Quant Time: Jul 05 22:31:45 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	8.046	152	225144	20.000	ng/ul	0.00
20) Naphthalene-d8	10.875	136	964366	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.698	164	547595	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.463	188	963848	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.551	240	647030	20.000	ng/ul	# 0.00
88) Perylene-d12	24.098	264	745096	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.370	96	12384	1.979	ng/uL	0.00
4) Pyridine-d5	0.000	84	0d	0.000	ng/ul	
7) Phenol-d5	7.269	99	193494	10.045	ng/ul	0.05
9) Bis-(2-Chloroethyl)eth...	7.381	67	146302	12.276	ng/ul	0.01
11) 2-Chlorophenol-d4	7.599	132	173108	11.904	ng/ul	0.02
15) 4-Methylphenol-d8	8.834	113	141955	9.328	ng/ul	0.05
21) Nitrobenzene-d5	9.263	128	73506	9.974	ng/ul	0.03
24) 2-Nitrophenol-d4	10.010	143	87181	10.135	ng/ul	0.05
28) 2,4-Dichlorophenol-d3	10.593	165	147192m	9.603	ng/ul	0.08
31) 4-Chloroaniline-d4	11.110	131	109896m	5.581	ng/ul	0.08
46) Dimethylphthalate-d6	14.116	166	518595	12.253	ng/ul	0.01
49) Acenaphthylene-d8	14.393	160	579863	12.187	ng/ul	0.00
54) 4-Nitrophenol-d4	15.075	143	34008m	6.089	ng/ul	0.12
60) Fluorene-d10	15.704	176	420581	12.068	ng/ul	0.01
65) 4,6-Dinitro-2-methylph...	15.910	200	18757m	3.164	ng/ul	0.05
73) Anthracene-d10	17.569	188	531643	12.075	ng/ul	0.01
81) Pyrene-d10	19.786	212	534116	12.642	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.927	264	480954	12.796	ng/ul	0.00
Target Compounds						
					Qvalue	
72) Phenanthrene	17.504	178	300872	5.746	ng/ul	99
74) Anthracene	17.610	178	60858	1.157	ng/ul	97
80) Fluoranthene	19.463	202	600478	11.436	ng/ul#	92
82) Pyrene	19.816	202	473954	8.849	ng/ul#	89
85) Benzo(a)anthracene	21.533	228	250442	5.502	ng/ul	97
87) Chrysene	21.592	228	280694	6.500	ng/ul	97
90) Benzo(b)fluoranthene	23.316	252	390154	8.149	ng/ul#	92
91) Benzo(k)fluoranthene	23.357	252	143043m	2.957	ng/ul	
93) Benzo(a)pyrene	23.980	252	243634	5.824	ng/ul#	93
94) Indeno(1,2,3-cd)pyrene	26.804	276	200542	3.531	ng/ul#	93
95) Dibenzo(a,h)anthracene	26.792	278	51452	1.103	ng/ul#	78
96) Benzo(g,h,i)perylene	27.651	276	181041	3.875	ng/ul#	92

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

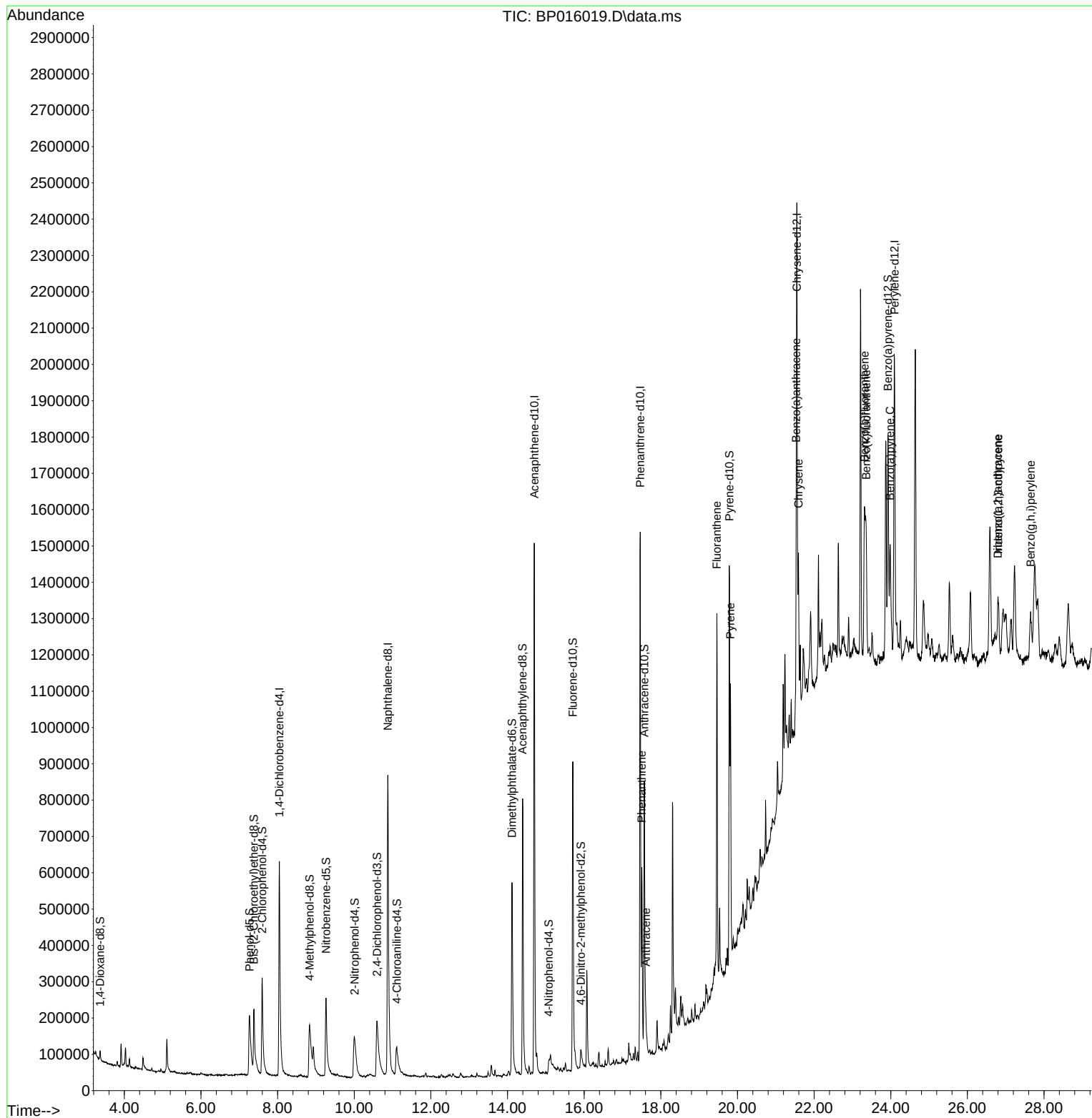
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP070423\
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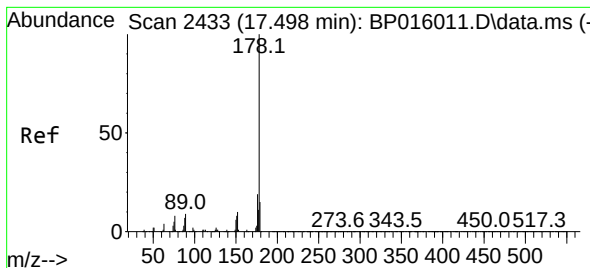
Instrument :
 BNA_P
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Quant Time: Jul 05 22:31:45 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP062623.MA.M
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#72

Phenanthrene

Concen: 5.746 ng/ul

RT: 17.504 min Scan# 2433

Delta R.T. 0.006 min

Lab File: BP016019.D

Acq: 05 Jul 2023 18:08

Instrument :

BNP_P

ClientSampleId :

DCGH4

Tgt Ion:178 Resp: 30087

Ion Ratio Lower Upper

178 100

179 16.1 12.4 18.6

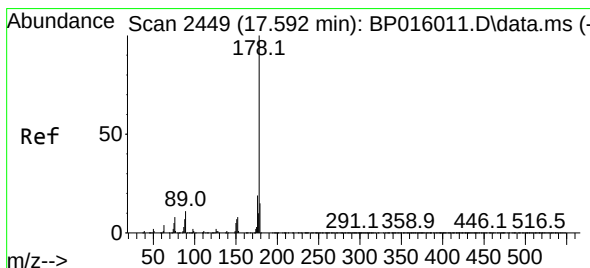
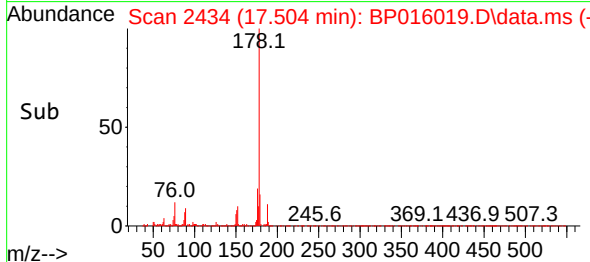
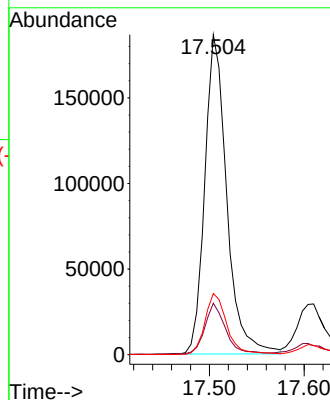
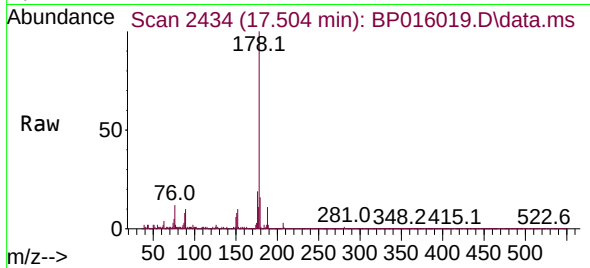
176 19.1 15.6 23.4

Manual Integrations

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#74

Anthracene

Concen: 1.157 ng/ul

RT: 17.610 min Scan# 2452

Delta R.T. 0.012 min

Lab File: BP016019.D

Acq: 05 Jul 2023 18:08

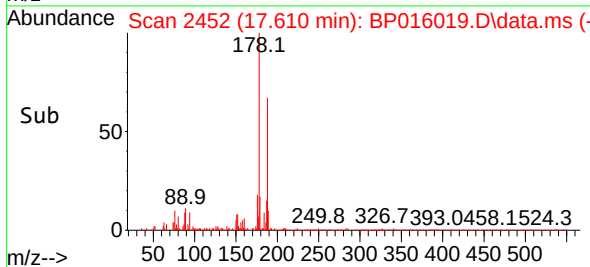
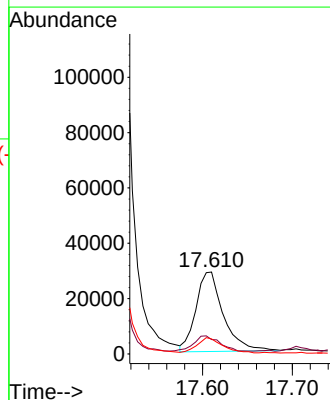
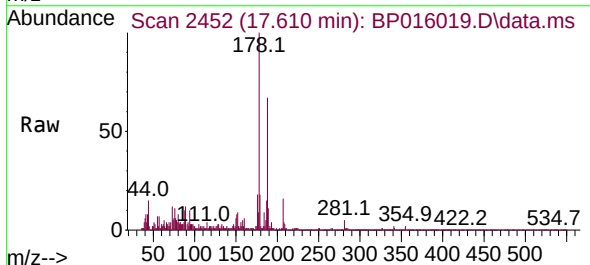
Tgt Ion:178 Resp: 60858

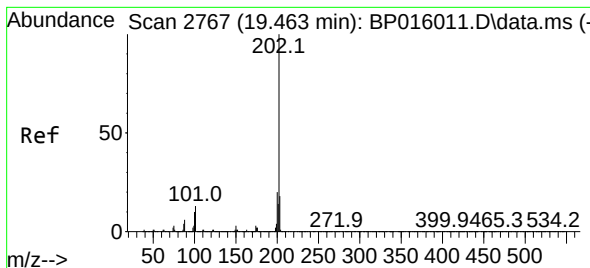
Ion Ratio Lower Upper

178 100

179 17.5 12.1 18.1

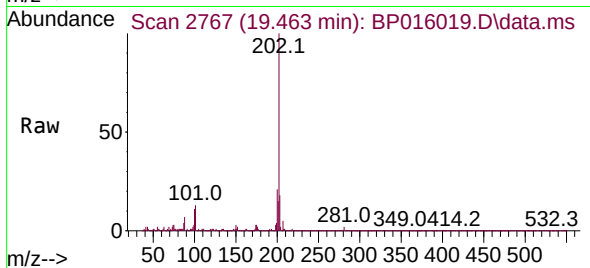
176 18.4 14.6 22.0





#80
Fluoranthene
Concen: 11.436 ng/ul
RT: 19.463 min Scan# 2767
Delta R.T. 0.000 min
Lab File: BP016019.D
Acq: 05 Jul 2023 18:08

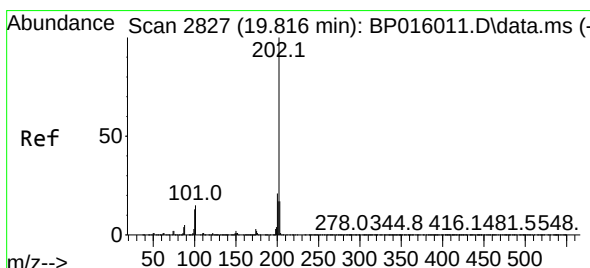
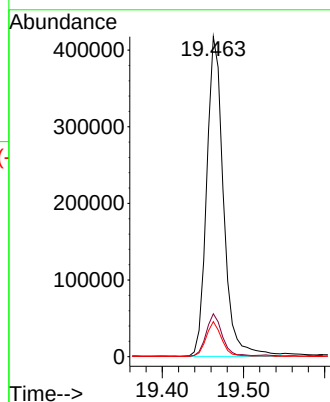
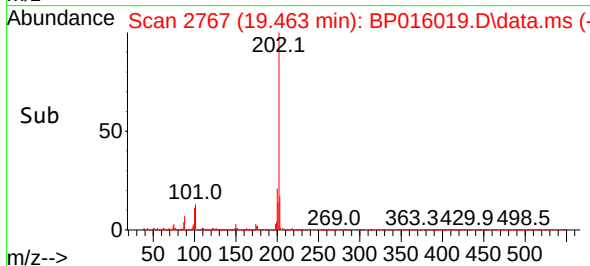
Instrument :
BNA_P
ClientSampleId :
DCGH4



Tgt Ion:202 Resp: 600478
Ion Ratio Lower Upper
202 100
101 13.4 8.3 12.5
100 11.0 6.6 9.8

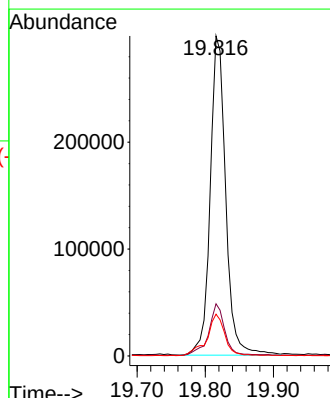
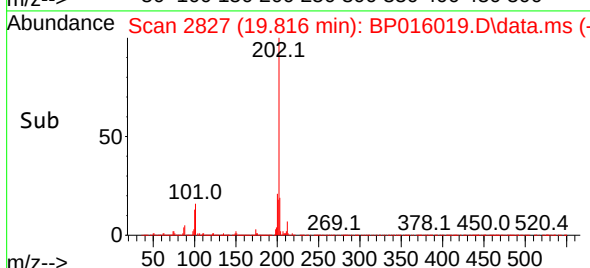
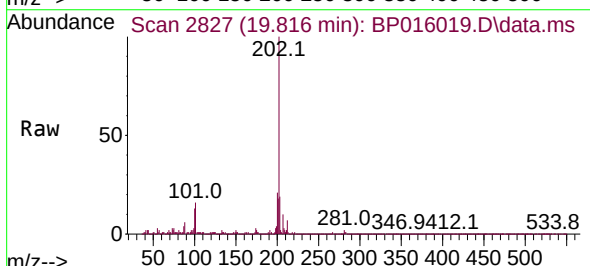
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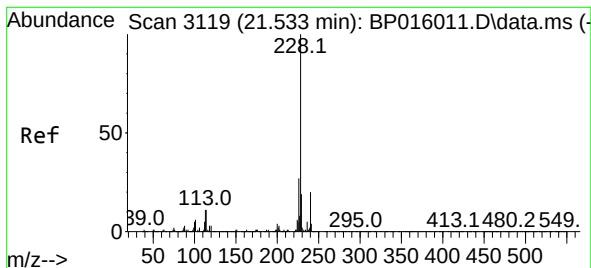
Reviewed By :Yogesh Patel 07/05/2023
Supervised By :Sohil Jodhani 07/05/2023



#82
Pyrene
Concen: 8.849 ng/ul
RT: 19.816 min Scan# 2827
Delta R.T. 0.000 min
Lab File: BP016019.D
Acq: 05 Jul 2023 18:08

Tgt Ion:202 Resp: 473954
Ion Ratio Lower Upper
202 100
101 16.3 9.3 13.9#
100 13.1 7.6 11.4#





#85

Benzo(a)anthracene

Concen: 5.502 ng/ul

RT: 21.533 min Scan# 3119

Delta R.T. 0.000 min

Lab File: BP016019.D

Acq: 05 Jul 2023 18:08

Instrument :

BNA_P

ClientSampleId :

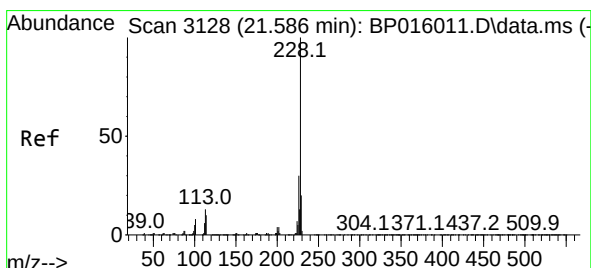
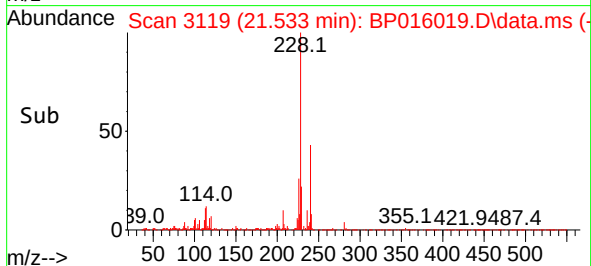
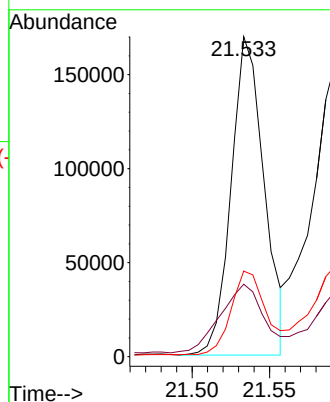
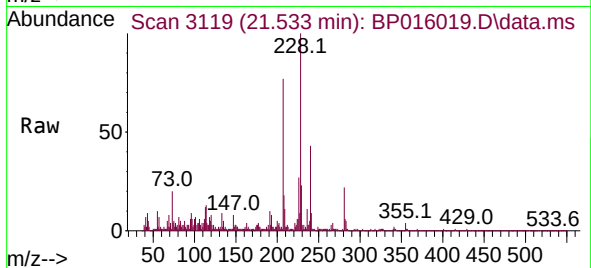
DCGH4

Tgt Ion:228 Resp: 250442
 Ion Ratio Lower Upper
 228 100
 229 22.6 15.3 22.9
 226 26.7 21.4 32.0

Manual Integrations

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Reviewed By :Yogesh Patel 07/05/2023
 Supervised By :Sohil Jodhani 07/05/2023



#87

Chrysene

Concen: 6.500 ng/ul

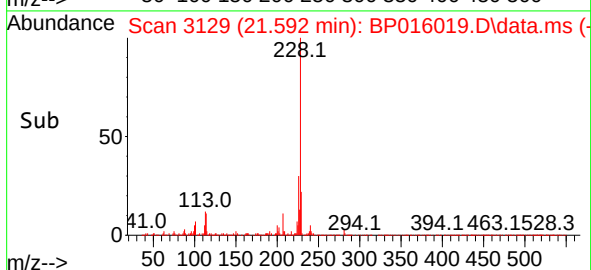
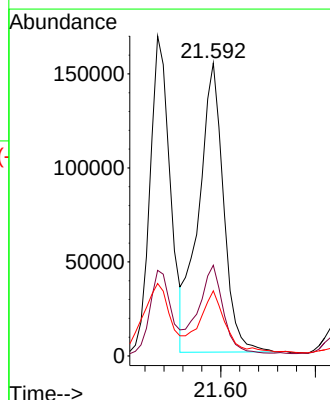
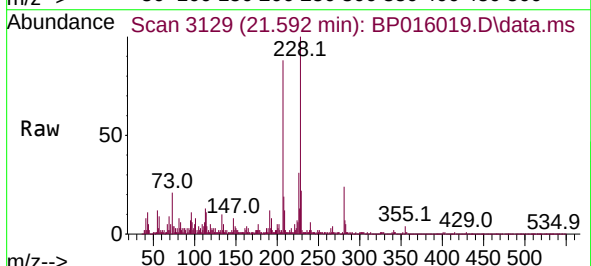
RT: 21.592 min Scan# 3129

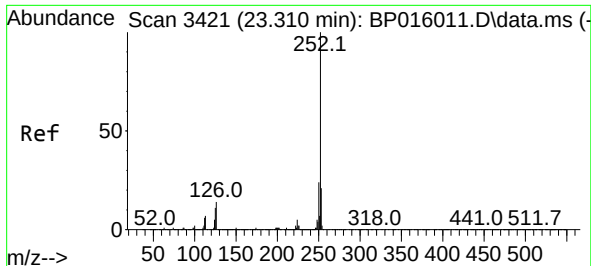
Delta R.T. 0.006 min

Lab File: BP016019.D

Acq: 05 Jul 2023 18:08

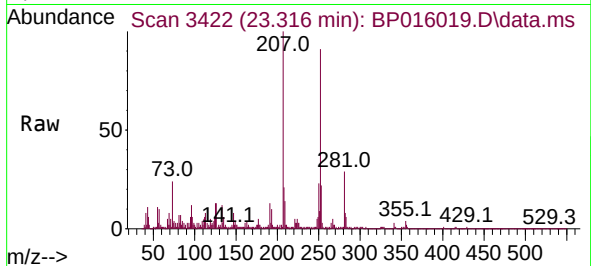
Tgt Ion:228 Resp: 280694
 Ion Ratio Lower Upper
 228 100
 226 30.9 24.3 36.5
 229 22.2 15.5 23.3





#90
Benzo(b)fluoranthene
Concen: 8.149 ng/ul
RT: 23.316 min Scan# 3421
Delta R.T. 0.006 min
Lab File: BP016019.D
Acq: 05 Jul 2023 18:08

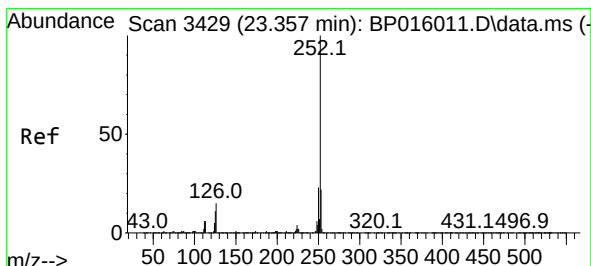
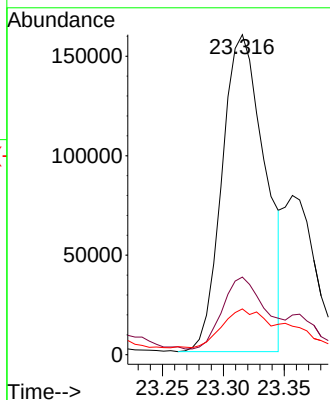
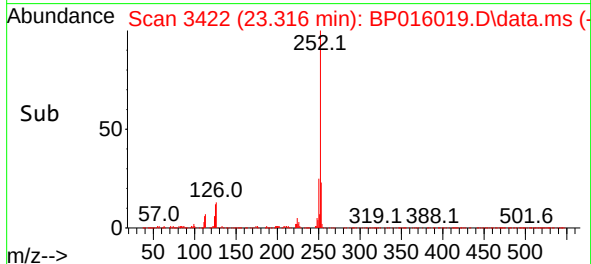
Instrument :
BNA_P
ClientSampleId :
DCGH4



Tgt Ion:252 Resp: 390154
Ion Ratio Lower Upper
252 100
253 24.2 17.3 25.9
125 14.3 7.5 11.3

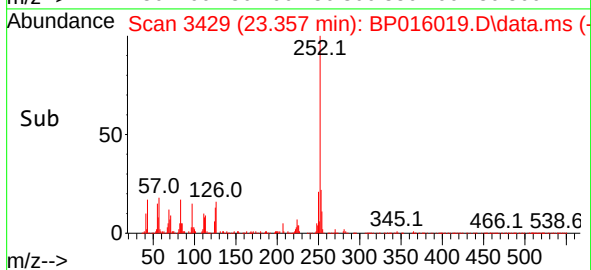
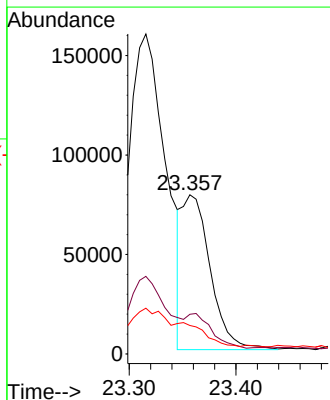
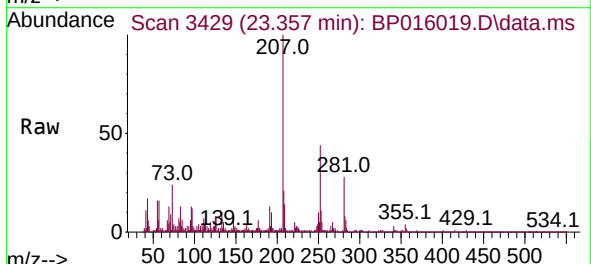
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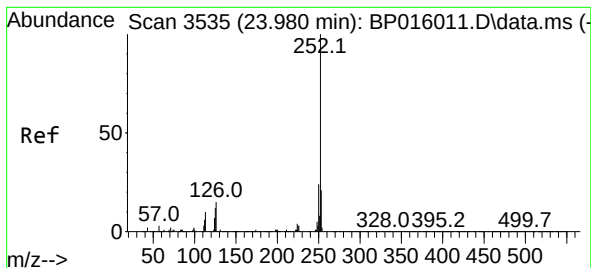
Reviewed By :Yogesh Patel 07/05/2023
Supervised By :Sohil Jodhani 07/05/2023



#91
Benzo(k)fluoranthene
Concen: 2.957 ng/ul m
RT: 23.357 min Scan# 3429
Delta R.T. 0.000 min
Lab File: BP016019.D
Acq: 05 Jul 2023 18:08

Tgt Ion:252 Resp: 143043
Ion Ratio Lower Upper
252 100
253 24.9 17.0 25.4
125 17.9 7.3 10.9





#93

Benzo(a)pyrene

Concen: 5.824 ng/ul

RT: 23.980 min Scan# 3535

Delta R.T. 0.000 min

Lab File: BP016019.D

Acq: 05 Jul 2023 18:08

Instrument :

BNA_P

ClientSampleId :

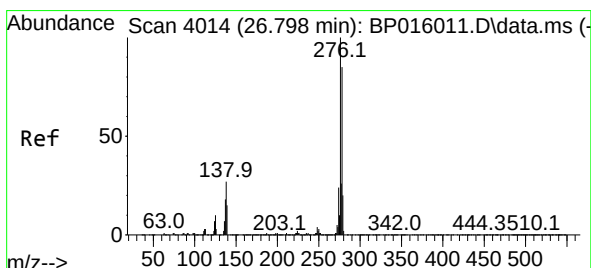
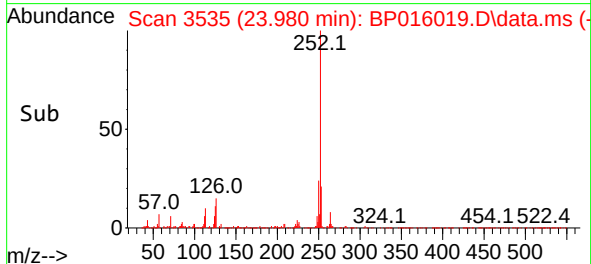
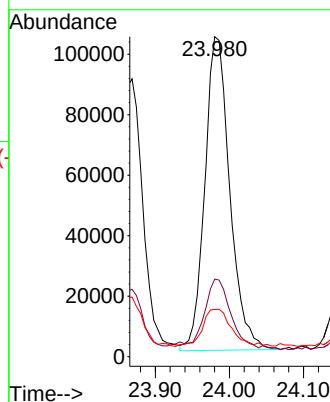
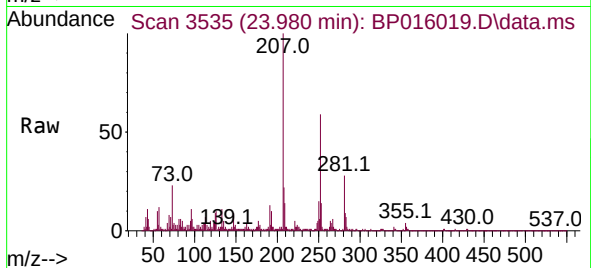
DCGH4

Tgt Ion:	252	Resp:	243634
Ion Ratio	Lower	Upper	
252	100		
253	24.3	17.7	26.5
125	14.8	8.2	12.2

Manual Integrations

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Supervised By :Sohil Jodhani 07/05/2023



#94

Indeno(1,2,3-cd)pyrene

Concen: 3.531 ng/ul

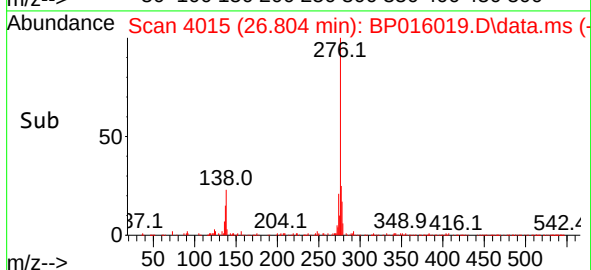
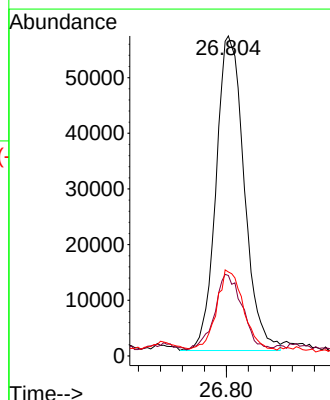
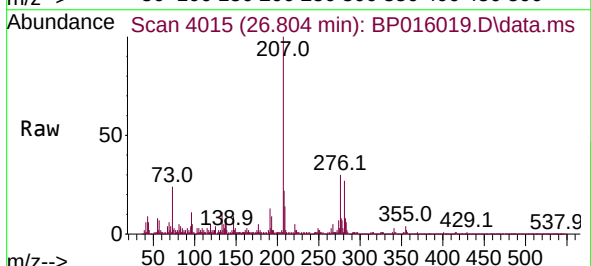
RT: 26.804 min Scan# 4015

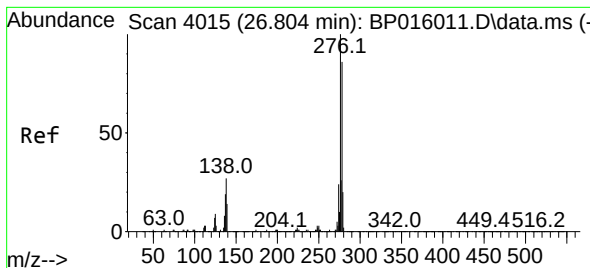
Delta R.T. 0.012 min

Lab File: BP016019.D

Acq: 05 Jul 2023 18:08

Tgt Ion:	276	Resp:	200542
Ion Ratio	Lower	Upper	
276	100		
138	25.2	15.7	23.5
277	26.3	19.6	29.4





#95

Dibenzo(a,h)anthracene

Concen: 1.103 ng/ul

RT: 26.792 min Scan# 4015

Delta R.T. -0.006 min

Lab File: BP016019.D

Acq: 05 Jul 2023 18:08

Instrument :

BNP_P

ClientSampleId :

DCGH4

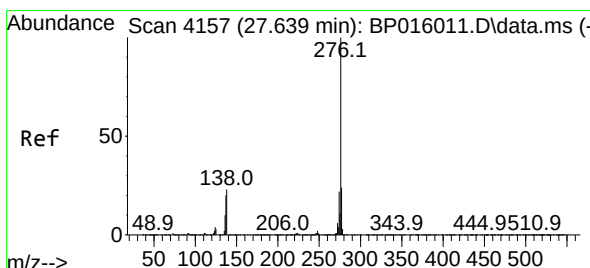
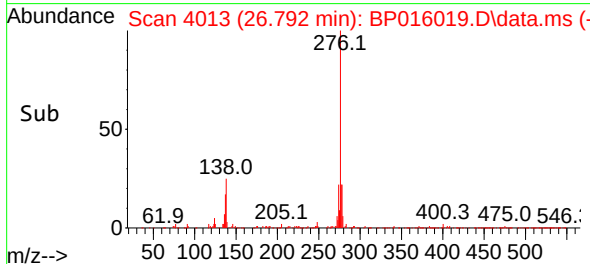
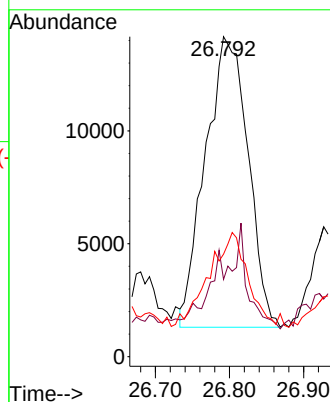
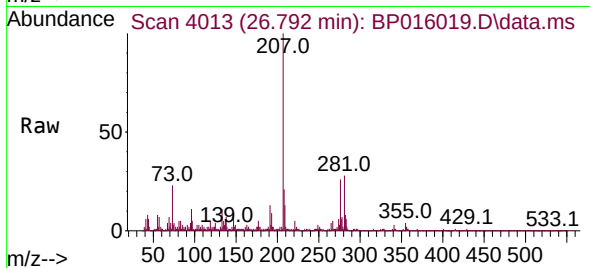
Tgt Ion:278	Resp:	5145
Ion Ratio	Lower	Upper
278	100	
139	24.2	10.5 15.7
279	32.1	18.4 27.6

Manual Integrations

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Supervised By :Sohil Jodhani 07/05/2023



#96

Benzo(g,h,i)perylene

Concen: 3.875 ng/ul

RT: 27.651 min Scan# 4159

Delta R.T. 0.024 min

Lab File: BP016019.D

Acq: 05 Jul 2023 18:08

Tgt Ion:276	Resp:	181041
Ion Ratio	Lower	Upper
276	100	
138	24.9	15.1 22.7
277	25.4	18.8 28.2

