

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081922\
 Data File : BP011502.D
 Acq On : 19 Aug 2022 11:15
 Operator : CG/JU
 Sample : N4210-05
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 BGC48

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 08/22/2022
 Supervised By :Sohil Jodhani 08/22/2022

Quant Time: Aug 20 04:34:24 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP081622.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 17 01:58:37 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.552	152	114247	20.000	ng/u1	0.00
20) Naphthalene-d8	10.340	136	480266	20.000	ng/u1	-0.01
38) Acenaphthene-d10	14.228	164	269465	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.998	188	538519	20.000	ng/u1	0.00
79) Chrysene-d12	21.127	240	516608	20.000	ng/u1	0.00
88) Perylene-d12	23.427	264	543860	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.075	96	14185	3.853	ng/uL	0.00
4) Pyridine-d5	3.487	84	78085	8.284	ng/u1	0.00
7) Phenol-d5	6.740	99	216535	20.625	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.905	67	143932	21.102	ng/u1	0.00
11) 2-Chlorophenol-d4	7.087	132	177268	22.957	ng/u1	0.00
15) 4-Methylphenol-d8	8.275	113	155500	18.505	ng/u1	0.00
21) Nitrobenzene-d5	8.716	128	82993	24.003	ng/u1	-0.01
24) 2-Nitrophenol-d4	9.434	143	85910	24.414	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.969	165	146893	22.615	ng/u1	0.00
31) 4-Chloroaniline-d4	10.493	131	140738	13.016	ng/u1	0.00
46) Dimethylphthalate-d6	13.651	166	448504	23.533	ng/u1	0.00
49) Acenaphthylene-d8	13.916	160	509556	24.056	ng/u1	0.00
54) 4-Nitrophenol-d4	14.457	143	58441	15.915	ng/u1	0.00
60) Fluorene-d10	15.234	176	391390	24.410	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.369	200	49638	17.058	ng/u1	0.00
73) Anthracene-d10	17.098	188	627067	26.292	ng/u1	0.00
81) Pyrene-d10	19.363	212	727729	27.842	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.274	264	718249	27.149	ng/u1	0.00
Target Compounds					Qvalue	
30) Naphthalene	10.393	128	37250	1.469	ng/u1	97
36) 2-Methylnaphthalene	12.022	142	38340	2.324	ng/u1	95
37) 1-Methylnaphthalene	12.240	142	25840	1.544	ng/u1	97
50) Acenaphthylene	13.945	152	40487	1.609	ng/u1#	97
72) Phenanthrene	17.039	178	349127	11.978	ng/u1	99
74) Anthracene	17.134	178	90185	3.067	ng/u1	98
77) Carbazole	17.416	167	38846	1.404	ng/u1	98
78) Di-n-butylphthalate	17.986	149	50363	1.479	ng/u1	97
80) Fluoranthene	19.033	202	788364	24.526	ng/u1	99
82) Pyrene	19.392	202	680980	20.163	ng/u1	98
85) Benzo(a)anthracene	21.116	228	365768	11.621	ng/u1	97
86) Bis(2-ethylhexyl)phtha...	21.063	149	4083341	182.123	ng/u1	98
87) Chrysene	21.169	228	379286	12.267	ng/u1	98
89) Di-n-octyl phthalate	21.957	149	196439	4.493	ng/u1	100
90) Benzo(b)fluoranthene	22.733	252	553062	16.348	ng/u1#	95
91) Benzo(k)fluoranthene	22.774	252	216097m	6.694	ng/u1	
93) Benzo(a)pyrene	23.321	252	384553	11.643	ng/u1#	94
94) Indeno(1,2,3-cd)pyrene	25.786	276	302636	8.215	ng/u1	98
95) Dibenzo(a,h)anthracene	25.792	278	75098	2.367	ng/u1#	89
96) Benzo(g,h,i)perylene	26.509	276	271895	8.676	ng/u1	98

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

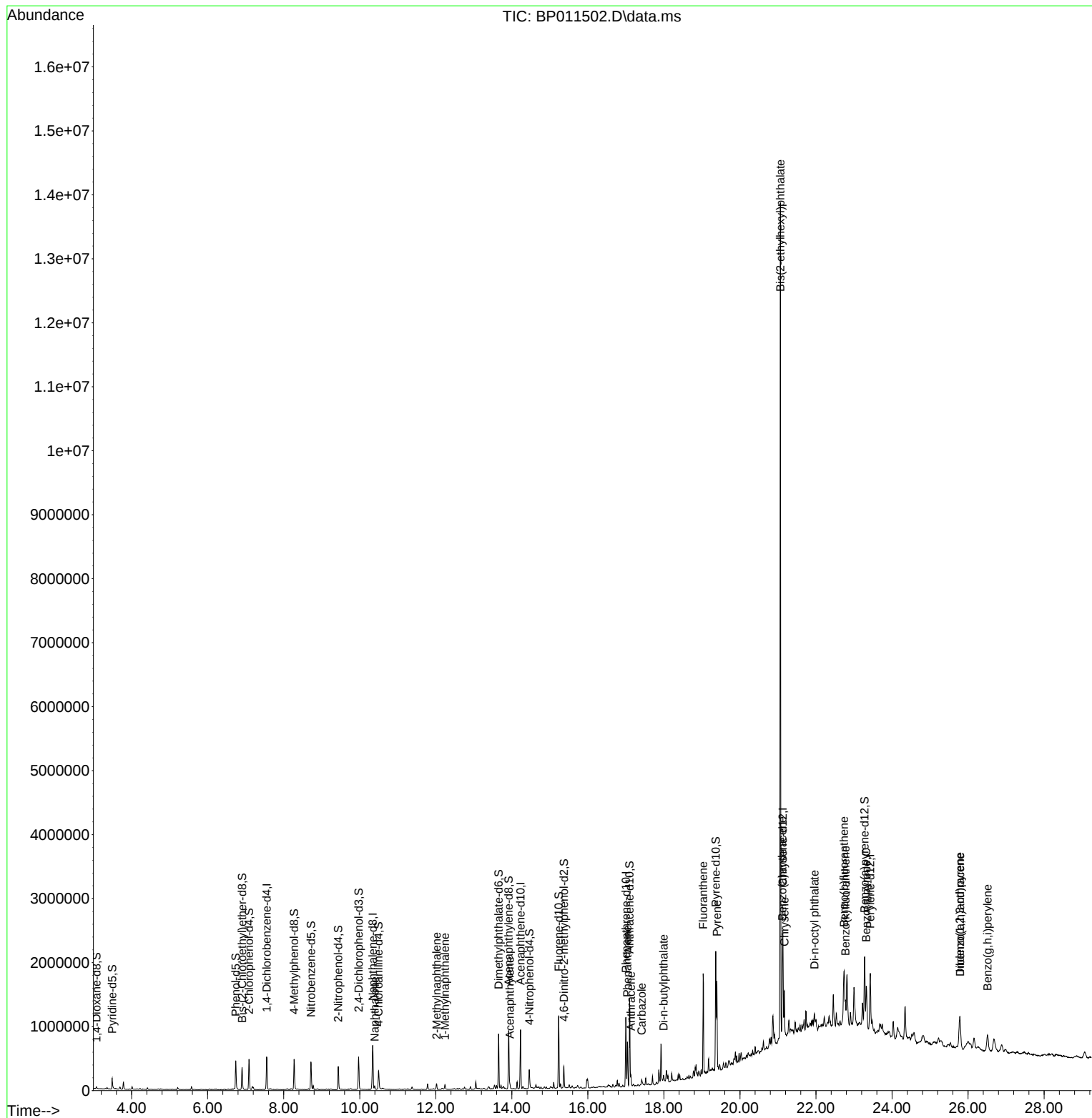
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081922\
Data File : BP011502.D
Acq On : 19 Aug 2022 11:15
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ALS Vial : 5 Sample Multiplier: 1

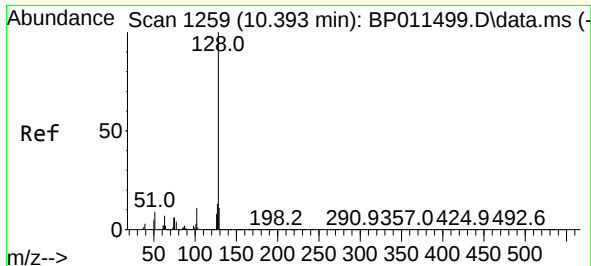
Instrument :
BNA_P
ClientSampleId :
BGC48

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Quant Title : SVOA CALIBRATION
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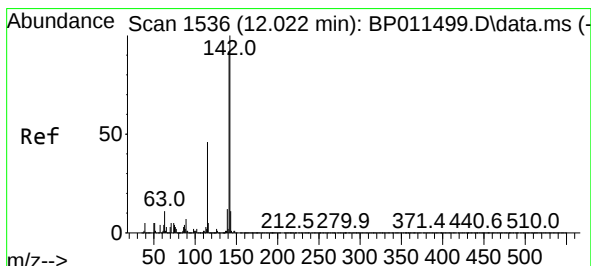
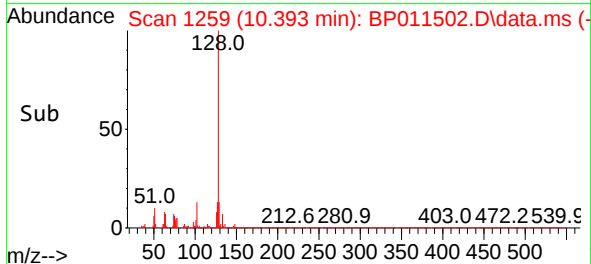
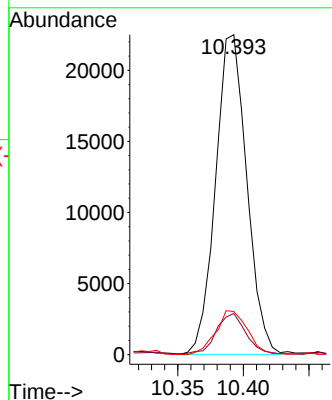
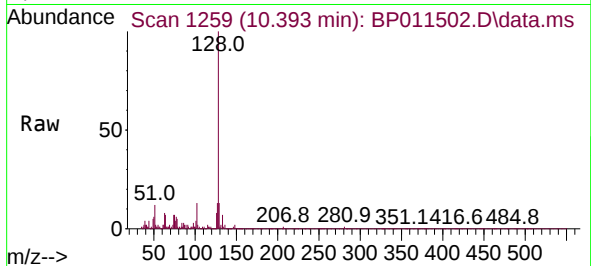
#30
Naphthalene
Concen: 1.469 ng/ul
RT: 10.393 min Scan# 1259
Delta R.T. -0.006 min
Lab File: BP011502.D
Acq: 19 Aug 2022 11:15

Instrument :
BNA_P
ClientSampleId :
BGC48

Tgt Ion:128 Resp: 37250
Ion Ratio Lower Upper
128 100
129 12.8 9.0 13.6
127 13.5 10.3 15.5

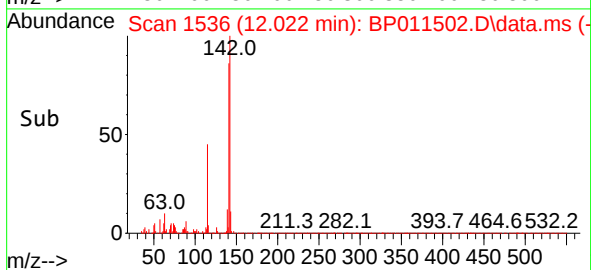
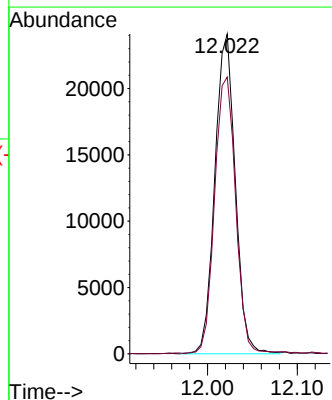
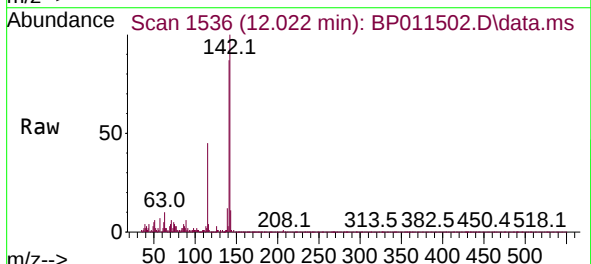
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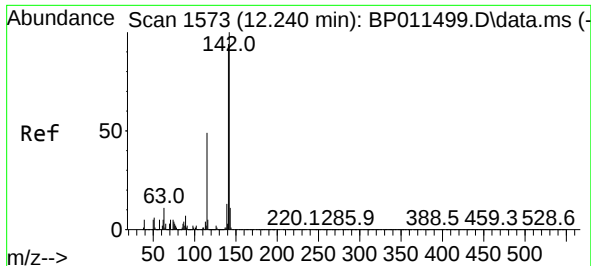
Reviewed By :Jagrut Upadhyay 08/22/2022
Supervised By :Sohil Jodhani 08/22/2022



#36
2-Methylnaphthalene
Concen: 2.324 ng/ul
RT: 12.022 min Scan# 1536
Delta R.T. -0.006 min
Lab File: BP011502.D
Acq: 19 Aug 2022 11:15

Tgt Ion:142 Resp: 38340
Ion Ratio Lower Upper
142 100
141 86.5 73.4 110.0





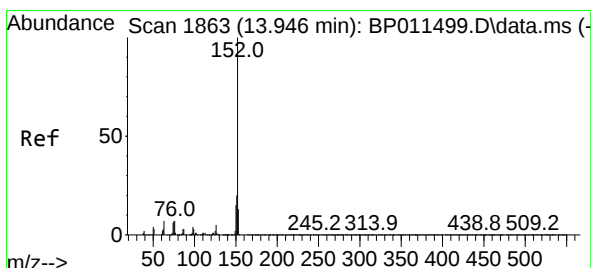
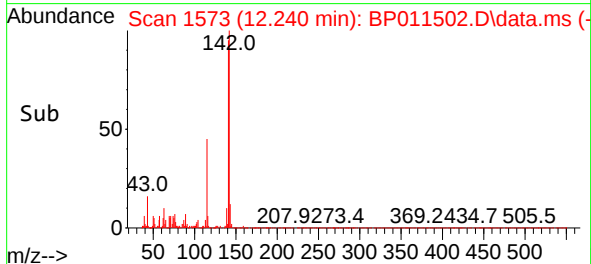
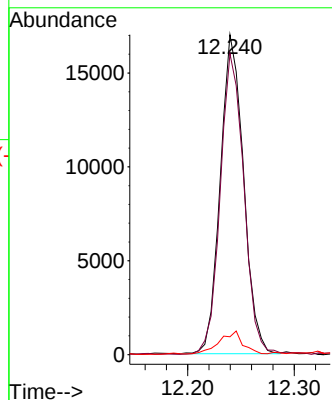
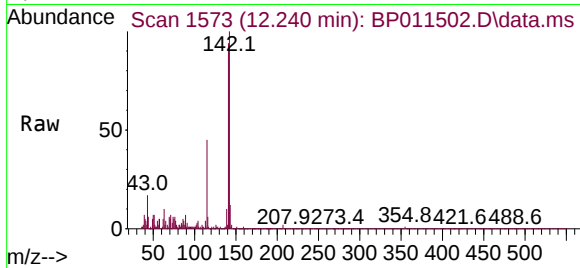
#37
1-Methylnaphthalene
Concen: 1.544 ng/ul
RT: 12.240 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BP011502.D
Acq: 19 Aug 2022 11:15

Instrument :
BNA_P
ClientSampleId :
BGC48

Tgt Ion:142 Resp: 25840
Ion Ratio Lower Upper
142 100
141 94.0 73.0 109.6
116 5.6 4.0 6.0

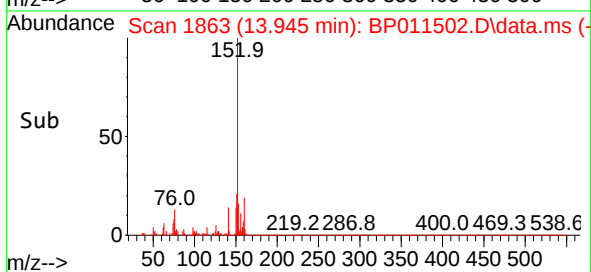
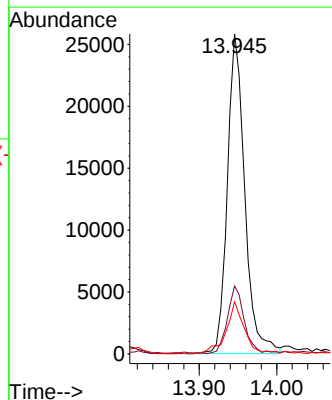
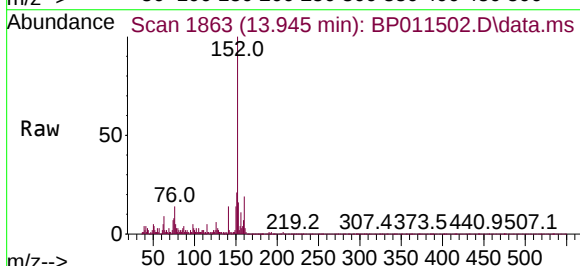
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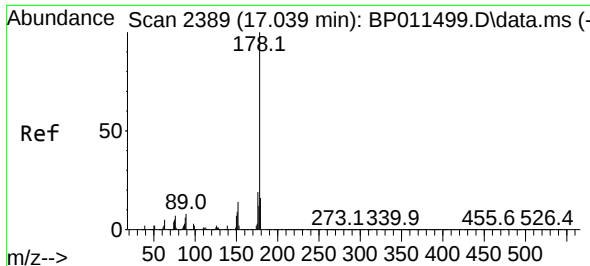
Reviewed By :Jagrut Upadhyay 08/22/2022
Supervised By :Sohil Jodhani 08/22/2022



#50
Acenaphthylene
Concen: 1.609 ng/ul
RT: 13.945 min Scan# 1863
Delta R.T. -0.006 min
Lab File: BP011502.D
Acq: 19 Aug 2022 11:15

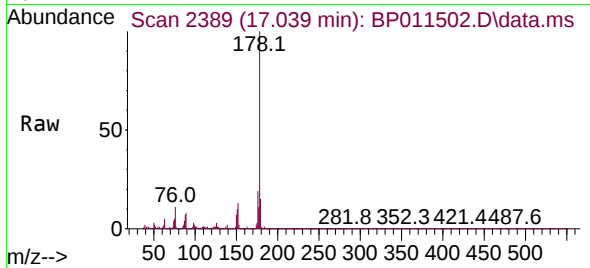
Tgt Ion:152 Resp: 40487
Ion Ratio Lower Upper
152 100
151 21.2 16.9 25.3
153 16.3 10.6 15.8#





#72
Phenanthrene
Concen: 11.978 ng/ul
RT: 17.039 min Scan# 2389
Delta R.T. -0.006 min
Lab File: BP011502.D
Acq: 19 Aug 2022 11:15

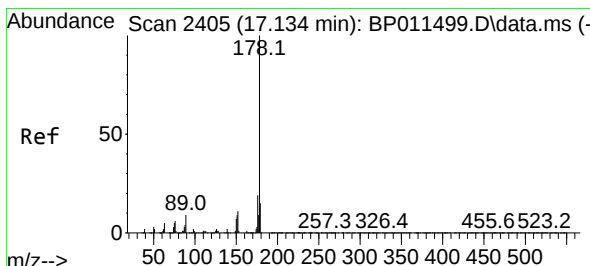
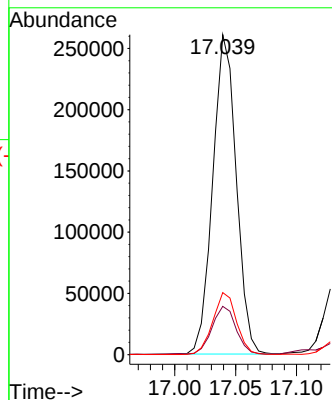
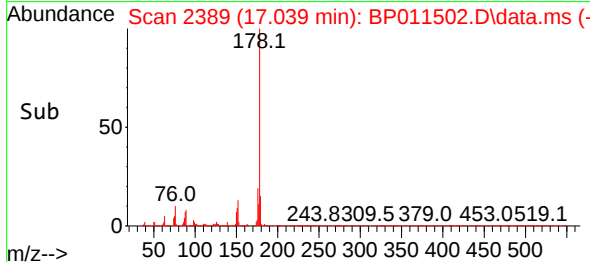
Instrument :
BNA_P
ClientSampleId :
BGC48



Tgt Ion:178 Resp: 34912
Ion Ratio Lower Upper
178 100
179 15.1 12.6 18.8
176 19.4 15.8 23.8

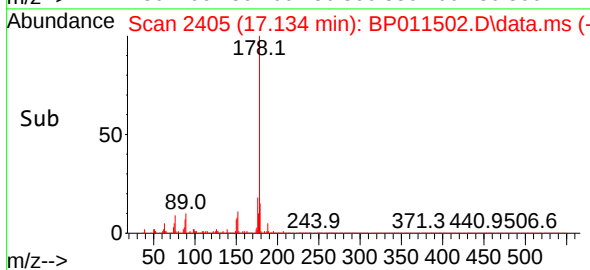
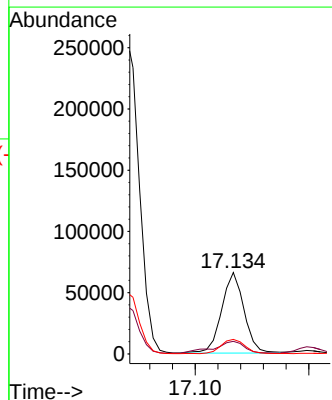
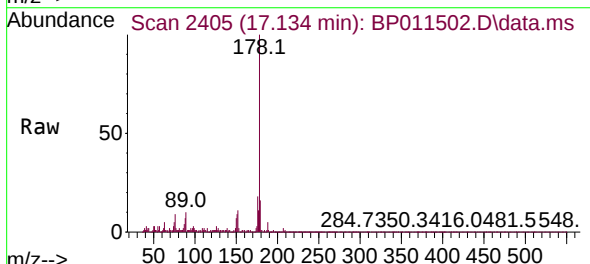
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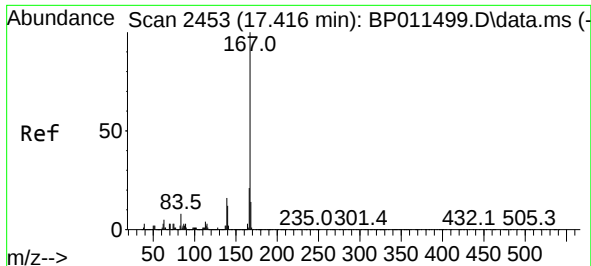
Reviewed By :Jagrut Upadhyay 08/22/2022
Supervised By :Sohil Jodhani 08/22/2022



#74
Anthracene
Concen: 3.067 ng/ul
RT: 17.134 min Scan# 2405
Delta R.T. -0.006 min
Lab File: BP011502.D
Acq: 19 Aug 2022 11:15

Tgt Ion:178 Resp: 90185
Ion Ratio Lower Upper
178 100
179 15.5 12.2 18.2
176 17.8 15.4 23.0





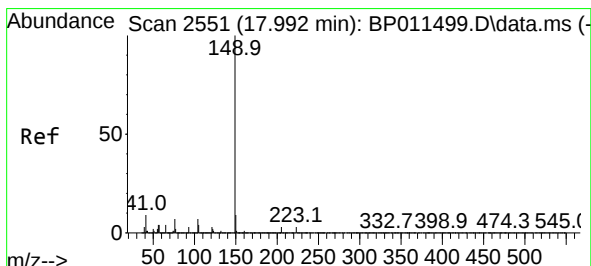
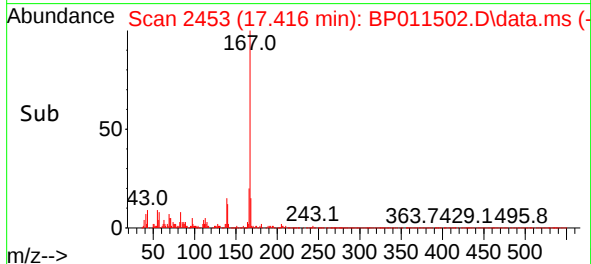
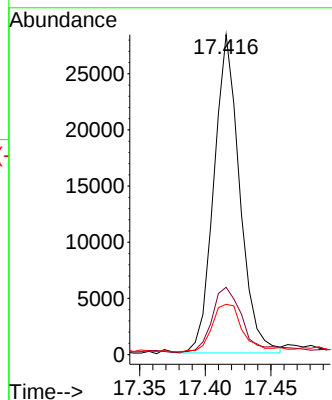
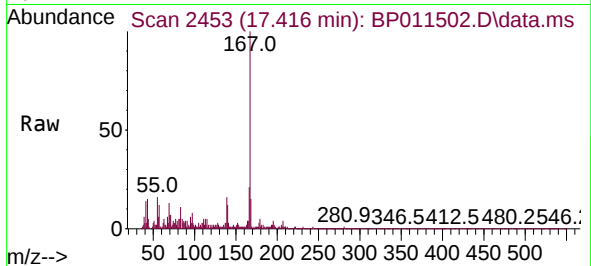
#77
 Carbazole
 Concen: 1.404 ng/ul
 RT: 17.416 min Scan# 2453
 Delta R.T. -0.006 min
 Lab File: BP011502.D
 Acq: 19 Aug 2022 11:15

Instrument : BNA_P
 ClientSampleId : BGC48

Tgt Ion:167 Resp: 38846
 Ion Ratio Lower Upper
 167 100
 166 21.0 17.5 26.3
 139 15.7 12.1 18.1

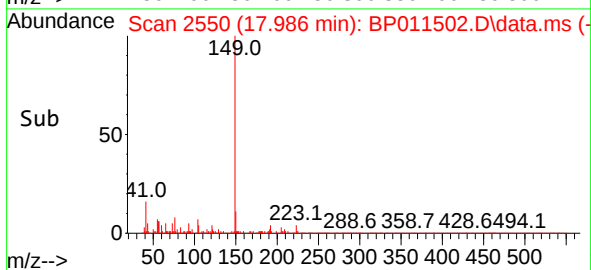
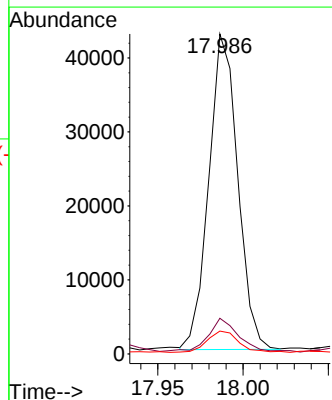
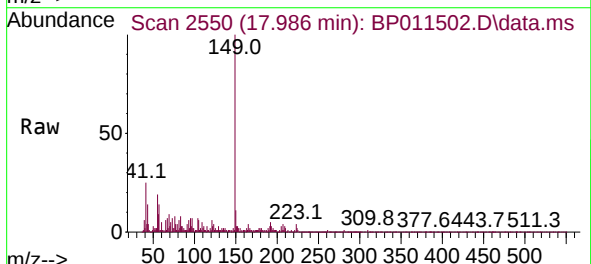
Manual Integrations
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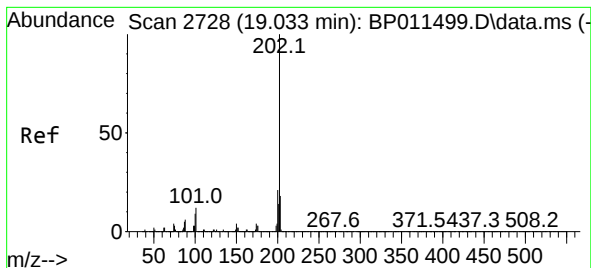
Reviewed By :Jagrut Upadhyay 08/22/2022
 Supervised By :Sohil Jodhani 08/22/2022



#78
 Di-n-butylphthalate
 Concen: 1.479 ng/ul
 RT: 17.986 min Scan# 2550
 Delta R.T. -0.006 min
 Lab File: BP011502.D
 Acq: 19 Aug 2022 11:15

Tgt Ion:149 Resp: 50363
 Ion Ratio Lower Upper
 149 100
 150 11.1 7.4 11.2
 104 7.1 5.5 8.3





#80

Fluoranthene

Concen: 24.526 ng/ul

RT: 19.033 min Scan# 2728

Delta R.T. -0.006 min

Lab File: BP011502.D

Acq: 19 Aug 2022 11:15

Instrument :

BNA_P

ClientSampleId :

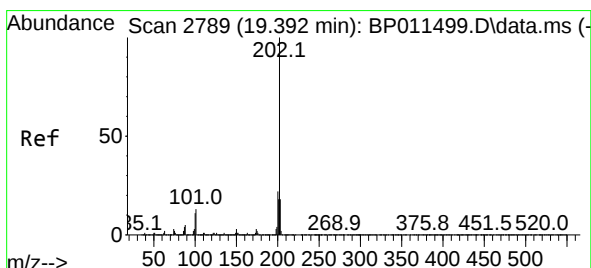
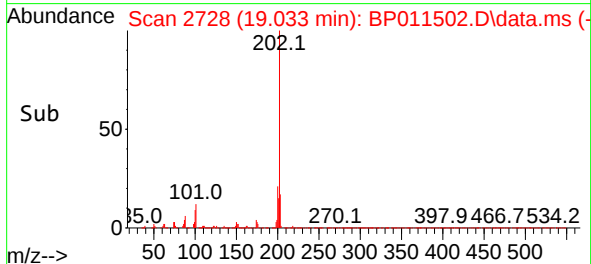
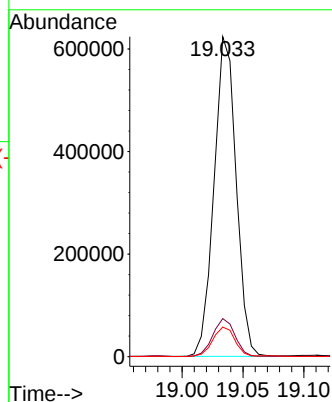
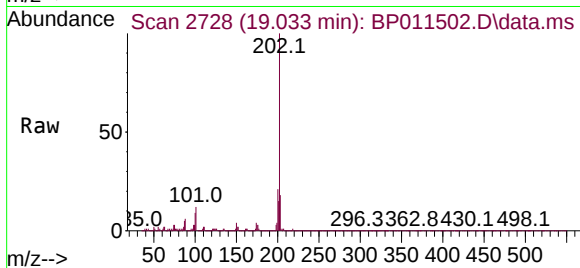
BGC48

Tgt Ion:	202	Resp:	788364
Ion Ratio	Lower	Upper	
202	100		
101	11.9	9.5	14.3
100	9.2	7.9	11.9

Manual Integrations

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#82

Pyrene

Concen: 20.163 ng/ul

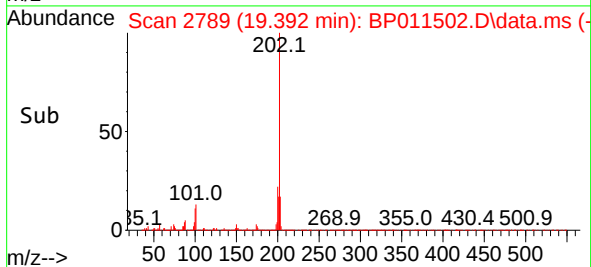
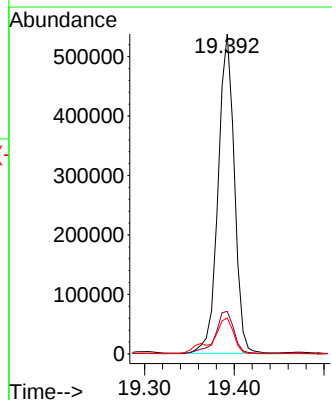
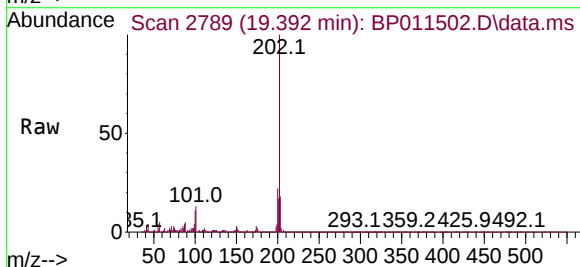
RT: 19.392 min Scan# 2789

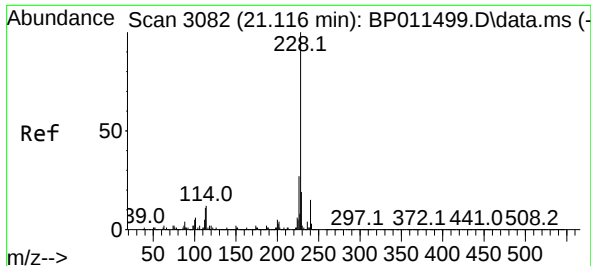
Delta R.T. -0.000 min

Lab File: BP011502.D

Acq: 19 Aug 2022 11:15

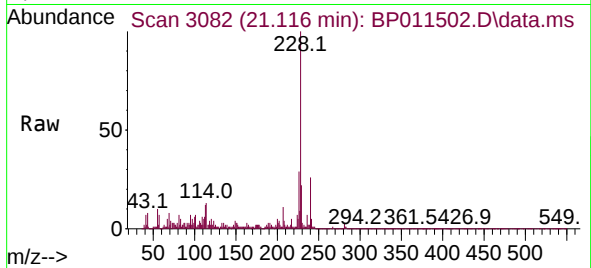
Tgt Ion:	202	Resp:	680980
Ion Ratio	Lower	Upper	
202	100		
101	13.3	11.4	17.2
100	11.2	9.4	14.0





#85
Benzo(a)anthracene
Concen: 11.621 ng/ul
RT: 21.116 min Scan# 3082
Delta R.T. -0.000 min
Lab File: BP011502.D
Acq: 19 Aug 2022 11:15

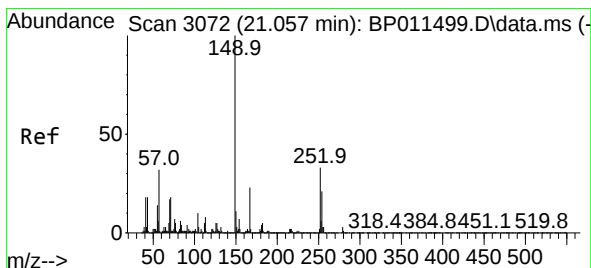
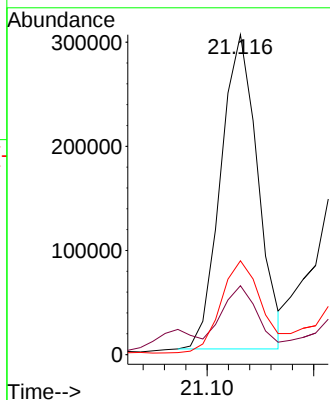
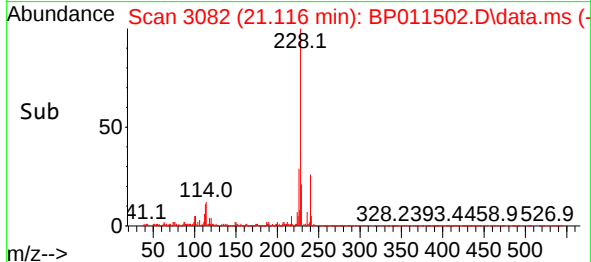
Instrument :
BNA_P
ClientSampleId :
BGC48



Tgt Ion:228 Resp: 365768
Ion Ratio Lower Upper
228 100
229 21.5 16.0 24.0
226 29.3 22.6 33.8

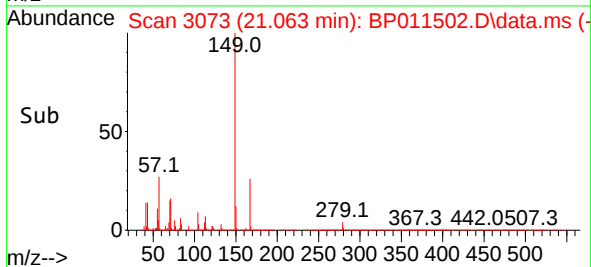
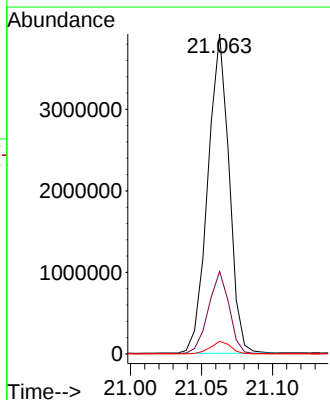
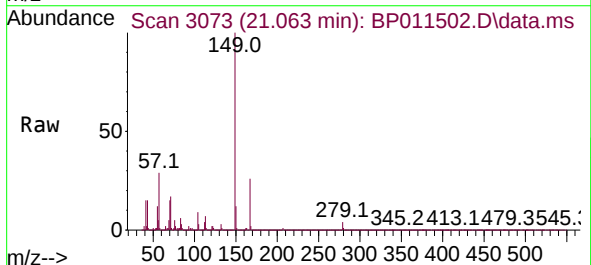
Manual Integrations
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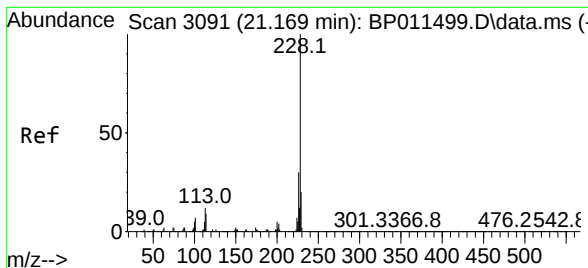
Reviewed By :Jagrut Upadhyay 08/22/2022
Supervised By :Sohil Jodhani 08/22/2022



#86
Bis(2-ethylhexyl)phthalate
Concen: 182.123 ng/ul
RT: 21.063 min Scan# 3073
Delta R.T. -0.000 min
Lab File: BP011502.D
Acq: 19 Aug 2022 11:15

Tgt Ion:149 Resp: 4083341
Ion Ratio Lower Upper
149 100
167 25.8 19.8 29.8
279 3.9 2.7 4.1





#87

Chrysene

Concen: 12.267 ng/ul

RT: 21.169 min Scan# 3091

Delta R.T. -0.000 min

Lab File: BP011502.D

Acq: 19 Aug 2022 11:15

Instrument :

BNA_P

ClientSampleId :

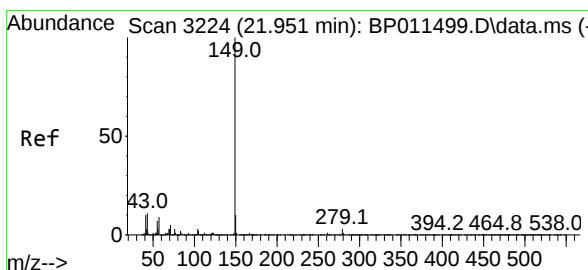
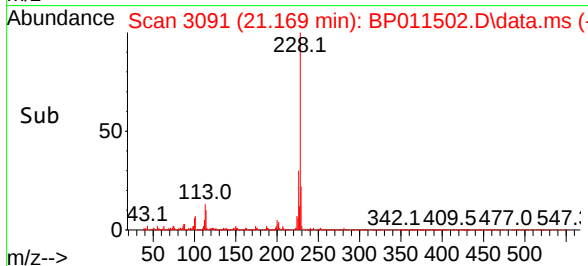
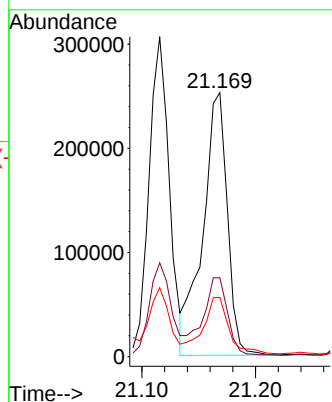
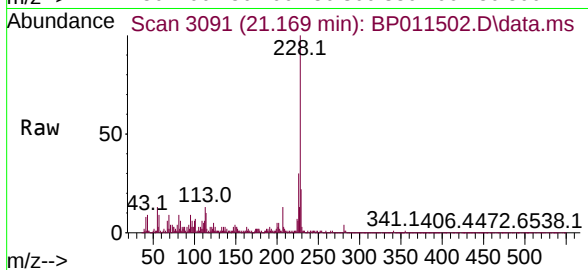
BGC48

Tgt Ion:228 Resp: 379286
 Ion Ratio Lower Upper
 228 100
 226 29.9 23.9 35.9
 229 22.4 16.0 24.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/22/2022
 Supervised By :Sohil Jodhani 08/22/2022



#89

Di-n-octyl phthalate

Concen: 4.493 ng/ul

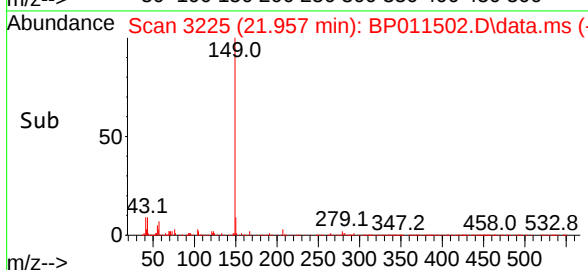
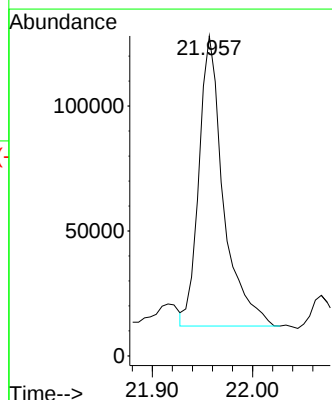
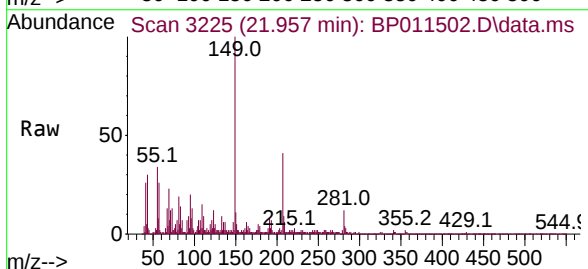
RT: 21.957 min Scan# 3225

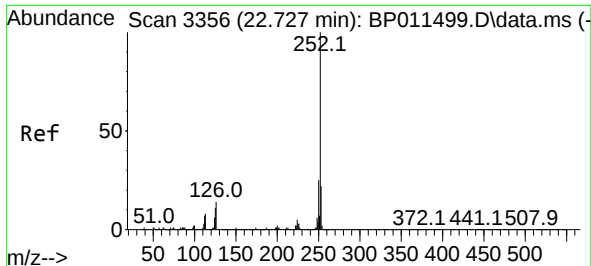
Delta R.T. -0.000 min

Lab File: BP011502.D

Acq: 19 Aug 2022 11:15

Tgt Ion:149 Resp: 196439





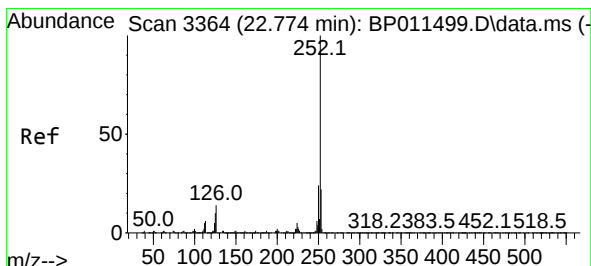
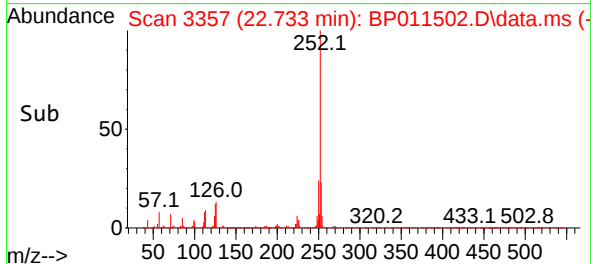
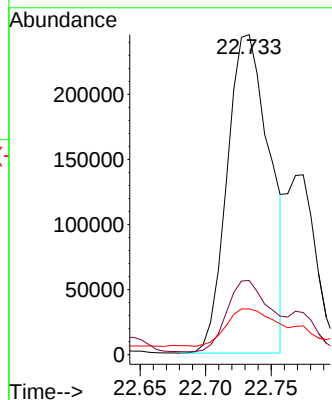
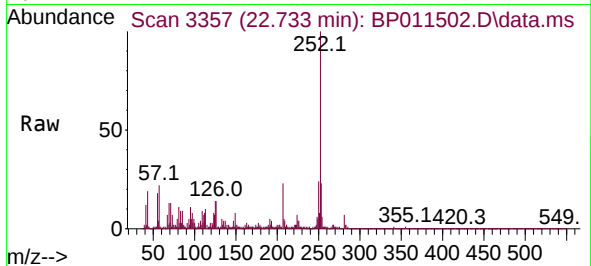
#90
Benzo(b)fluoranthene
Concen: 16.348 ng/ul
RT: 22.733 min Scan# 3356
Delta R.T. 0.006 min
Lab File: BP011502.D
Acq: 19 Aug 2022 11:15

Instrument :
BNA_P
ClientSampleId :
BGC48

Tgt Ion:252 Resp: 553062
Ion Ratio Lower Upper
252 100
253 23.2 17.5 26.3
125 14.3 9.0 13.4

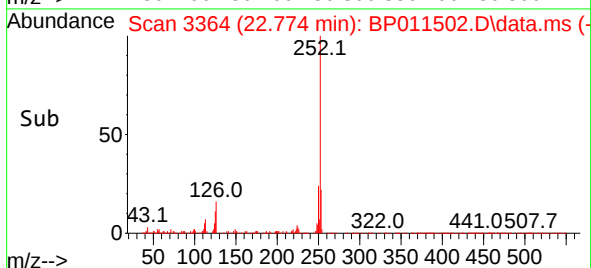
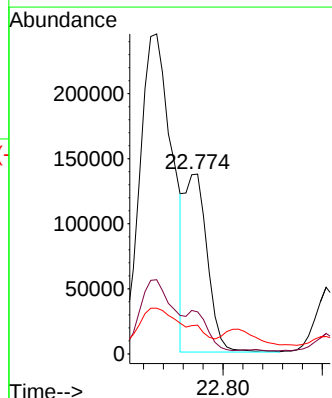
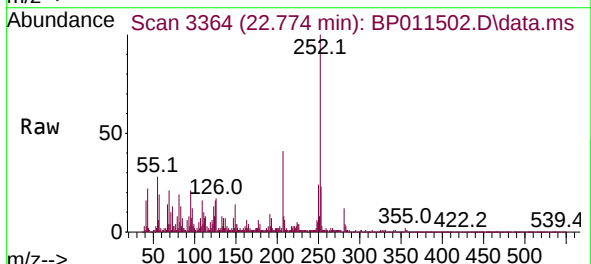
Manual Integrations
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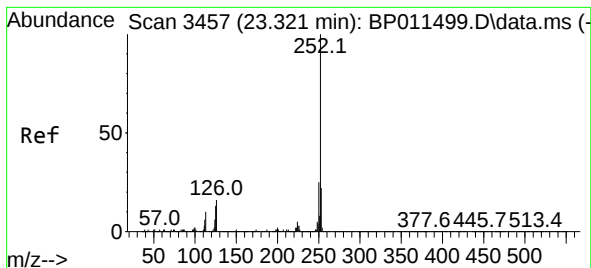
Reviewed By :Jagrut Upadhyay 08/22/2022
Supervised By :Sohil Jodhani 08/22/2022



#91
Benzo(k)fluoranthene
Concen: 6.694 ng/ul m
RT: 22.774 min Scan# 3364
Delta R.T. -0.000 min
Lab File: BP011502.D
Acq: 19 Aug 2022 11:15

Tgt Ion:252 Resp: 216097
Ion Ratio Lower Upper
252 100
253 23.4 17.9 26.9
125 16.0 9.8 14.8





#93

Benzo(a)pyrene

Concen: 11.643 ng/ul

RT: 23.321 min Scan# 3457

Delta R.T. -0.006 min

Lab File: BP011502.D

Acq: 19 Aug 2022 11:15

Instrument :

BNA_P

ClientSampleId :

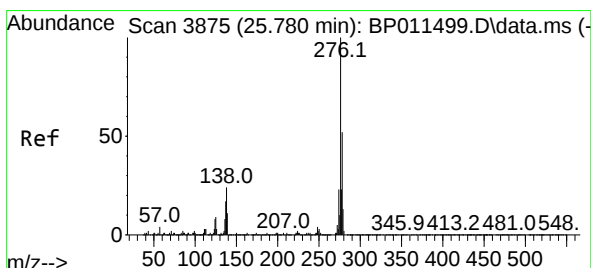
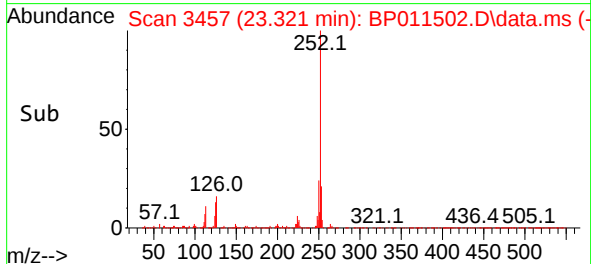
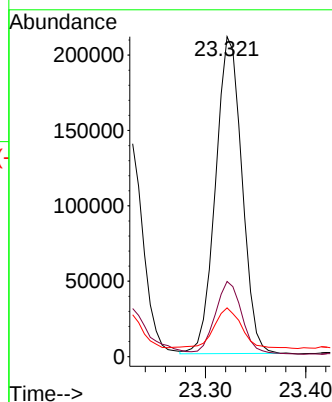
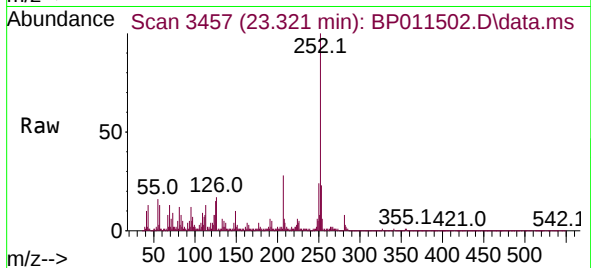
BGC48

Tgt Ion:	252	Resp:	38455
Ion Ratio	Lower	Upper	
252	100		
253	23.5	16.8	25.2
125	15.2	9.9	14.9

Manual Integrations

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Reviewed By :Jagrut Upadhyay 08/22/2022
Supervised By :Sohil Jodhani 08/22/2022



#94

Indeno(1,2,3-cd)pyrene

Concen: 8.215 ng/ul

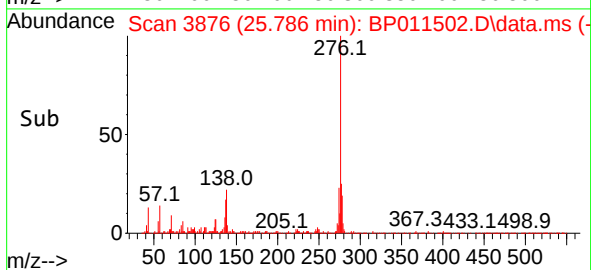
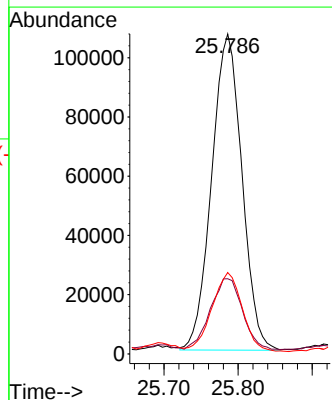
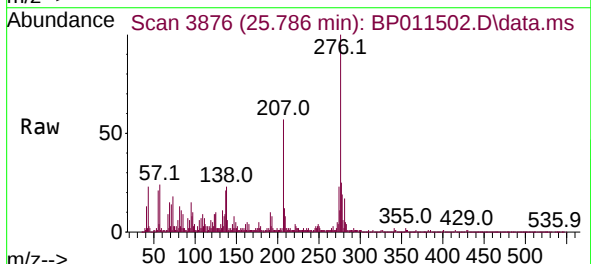
RT: 25.786 min Scan# 3876

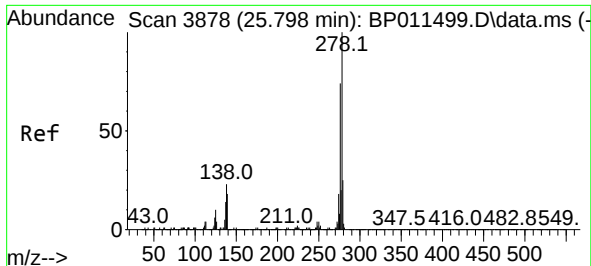
Delta R.T. -0.000 min

Lab File: BP011502.D

Acq: 19 Aug 2022 11:15

Tgt Ion:	276	Resp:	302636
Ion Ratio	Lower	Upper	
276	100		
138	23.5	20.2	30.4
277	25.4	20.1	30.1





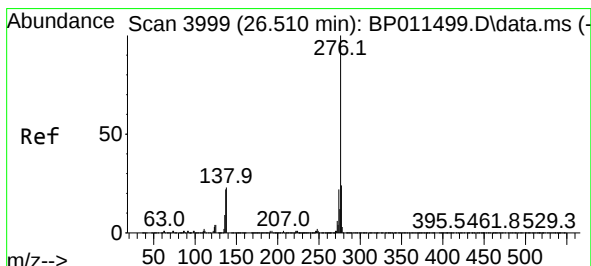
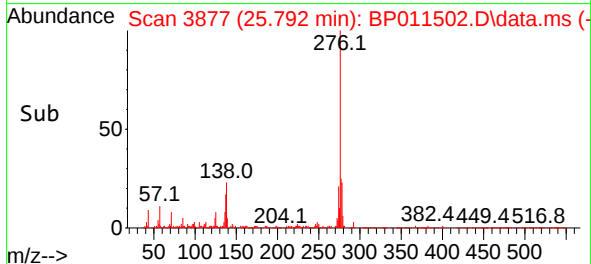
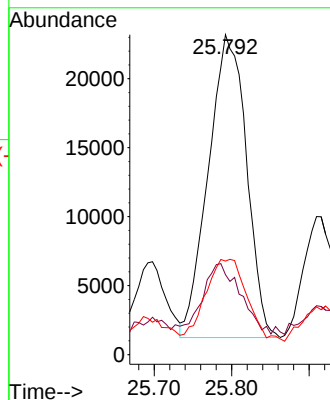
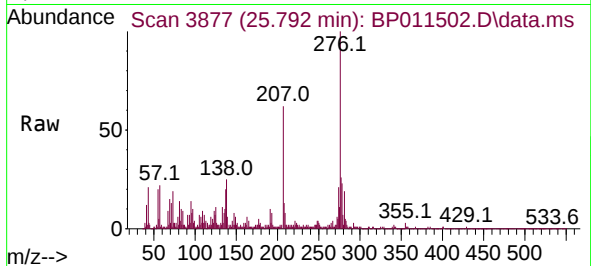
#95
Dibenzo(a,h)anthracene
Concen: 2.367 ng/ul
RT: 25.792 min Scan# 3878
Delta R.T. -0.012 min
Lab File: BP011502.D
Acq: 19 Aug 2022 11:15

Instrument : BNA_P
ClientSampleId : BGC48

Tgt Ion:278 Resp: 75098
Ion Ratio Lower Upper
278 100
139 25.0 15.4 23.0
279 29.2 19.3 28.9

Manual Integrations
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Reviewed By :Jagrut Upadhyay 08/22/2022
Supervised By :Sohil Jodhani 08/22/2022



#96
Benzo(g,h,i)perylene
Concen: 8.676 ng/ul
RT: 26.509 min Scan# 3999
Delta R.T. -0.000 min
Lab File: BP011502.D
Acq: 19 Aug 2022 11:15

Tgt Ion:276 Resp: 271895
Ion Ratio Lower Upper
276 100
138 25.9 19.4 29.2
277 24.3 19.1 28.7

