

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100522\
 Data File : BP011998.D
 Acq On : 07 Oct 2022 07:44
 Operator : CG/JU
 Sample : N4923-05
 Misc :
 ALS Vial : 87 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 E10031

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 10/07/2022
 Supervised By :mohammad ahmed 10/10/2022

Quant Time: Oct 07 08:10:33 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP093022.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Oct 07 03:22:44 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.875	152	236275	20.000	ng/u1	0.00
20) Naphthalene-d8	10.687	136	969505	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.522	164	596050	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.281	188	1269252	20.000	ng/u1	0.00
79) Chrysene-d12	21.369	240	1260334	20.000	ng/u1	0.00
88) Perylene-d12	23.804	264	1359799	20.000	ng/u1	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.299	96	20534	3.833	ng/uL	0.00
4) Pyridine-d5	3.734	84	61029	3.889	ng/u1	0.02
7) Phenol-d5	7.040	99	110620	5.423	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.205	67	253630	22.433	ng/u1	0.00
11) 2-Chlorophenol-d4	7.405	132	313247	19.454	ng/u1	0.00
15) 4-Methylphenol-d8	8.587	113	199628	11.839	ng/u1	0.00
21) Nitrobenzene-d5	9.040	128	204739	27.725	ng/u1	0.00
24) 2-Nitrophenol-d4	9.763	143	210301	26.618	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.305	165	358510	24.533	ng/u1	0.00
31) 4-Chloroaniline-d4	10.828	131	531203m	23.843	ng/u1	0.00
46) Dimethylphthalate-d6	13.934	166	1152847	27.047	ng/u1	0.00
49) Acenaphthylene-d8	14.216	160	1348984	27.762	ng/u1	0.00
54) 4-Nitrophenol-d4	14.740	143	49202	5.574	ng/u1	0.02
60) Fluorene-d10	15.522	176	1060879	28.660	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.645	200	167662	21.824	ng/u1	0.01
73) Anthracene-d10	17.381	188	1689432	29.220	ng/u1	0.00
81) Pyrene-d10	19.622	212	1898065	29.737	ng/u1	0.01
92) Benzo(a)pyrene-d12	23.645	264	2033010	29.866	ng/u1	0.01
Target Compounds						
					Qvalue	
30) Naphthalene	10.746	128	15991480	307.096	ng/u1	97
36) 2-Methylnaphthalene	12.346	142	1968930	54.143	ng/u1	99
37) 1-Methylnaphthalene	12.569	142	5469342	149.886	ng/u1	99
43) 1,1'-Biphenyl	13.357	154	847349	19.220	ng/u1	100
50) Acenaphthylene	14.246	152	801813	14.858	ng/u1#	94
52) Acenaphthene	14.593	153	4701243	123.474	ng/u1	98
56) Dibenzofuran	14.922	168	4120244	79.008	ng/u1	99
61) Fluorene	15.575	166	4024194	94.215	ng/u1	98
72) Phenanthrene	17.328	178	7626086	109.329	ng/u1	98
74) Anthracene	17.416	178	3597436	51.258	ng/u1	99
77) Carbazole	17.692	167	4457643	70.297	ng/u1	99
80) Fluoranthene	19.316	202	4950829	63.380	ng/u1	97
82) Pyrene	19.657	202	4264255	52.431	ng/u1	95
85) Benzo(a)anthracene	21.357	228	1757438	21.323	ng/u1	98
87) Chrysene	21.410	228	1555922	20.116	ng/u1	98
90) Benzo(b)fluoranthene	23.057	252	1421717	16.381	ng/u1	99
91) Benzo(k)fluoranthene	23.104	252	483446m	5.784	ng/u1	
93) Benzo(a)pyrene	23.692	252	1246277	16.090	ng/u1	98
94) Indeno(1,2,3-cd)pyrene	26.327	276	634032	6.431	ng/u1	96
95) Dibenzo(a,h)anthracene	26.333	278	178205	2.035	ng/u1#	87
96) Benzo(g,h,i)perylene	27.110	276	569900	6.520	ng/u1	98

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

Instrument :

BNA_P

ClientSampleId :

E10031

Manual Integrations**APPROVED**

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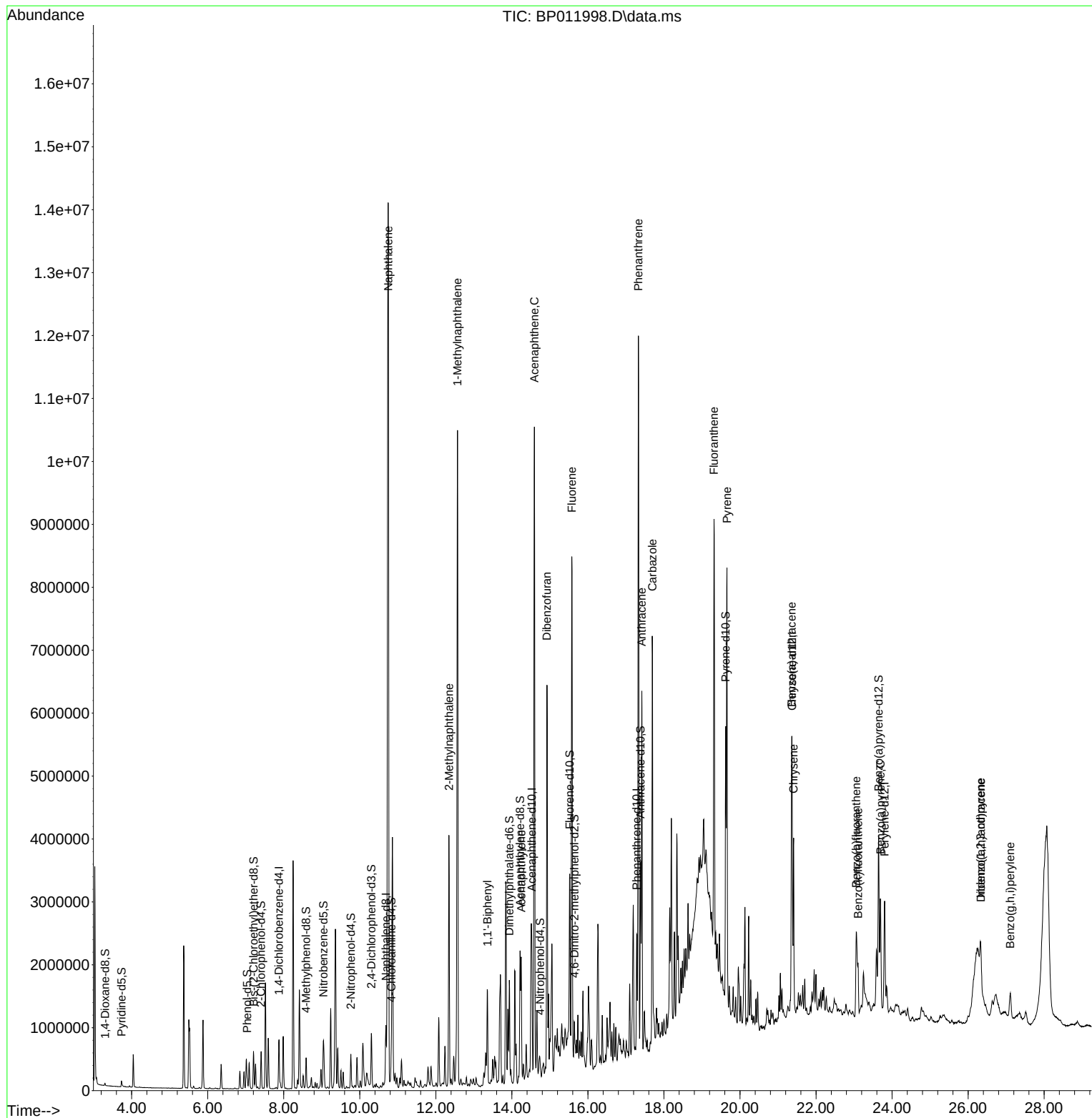
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100522\
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 ALS Vial : 87 Sample Multiplier: 1

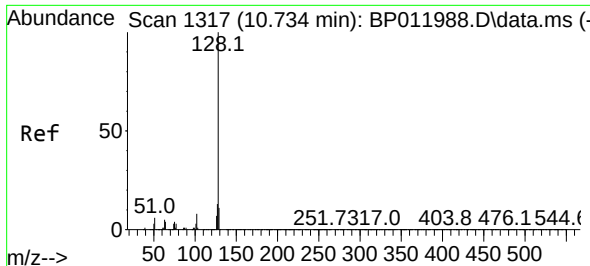
Instrument :
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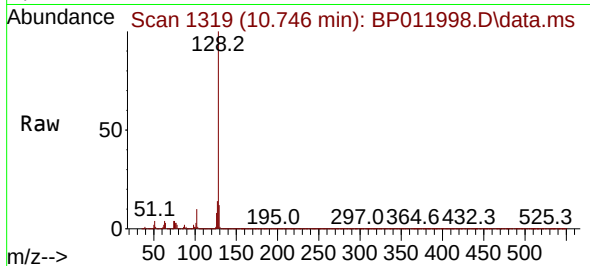
Quant Time: Oct 07 08:10:33 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP093022.M
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#30
Naphthalene
Concen: 307.096 ng/ul
RT: 10.746 min Scan# 1319
Delta R.T. 0.012 min
Lab File: BP011998.D
Acq: 07 Oct 2022 07:44

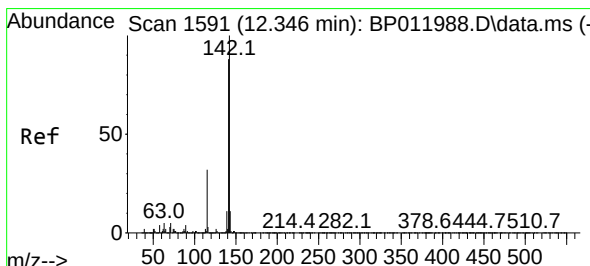
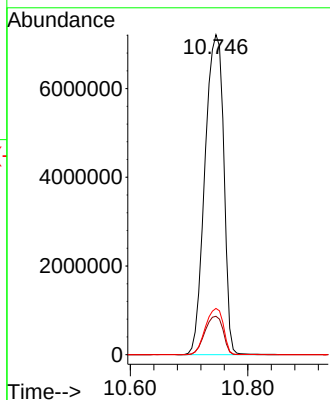
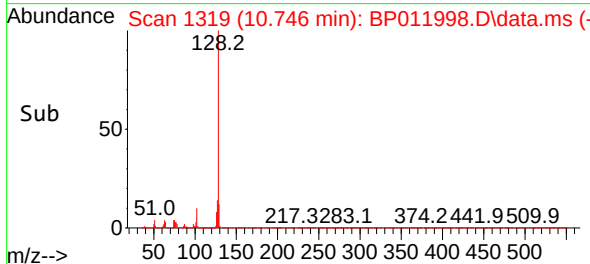
Instrument :
BNA_P
ClientSampleId :
E10031



Tgt Ion:128 Resp:15991480
Ion Ratio Lower Upper
128 100
129 12.0 8.9 13.3
127 14.4 10.5 15.7

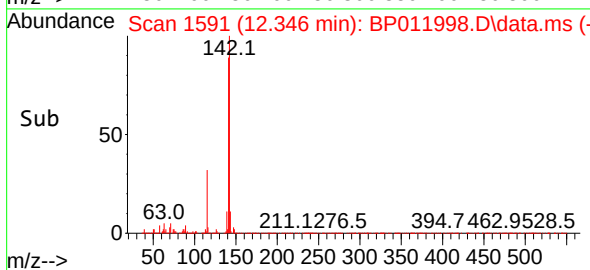
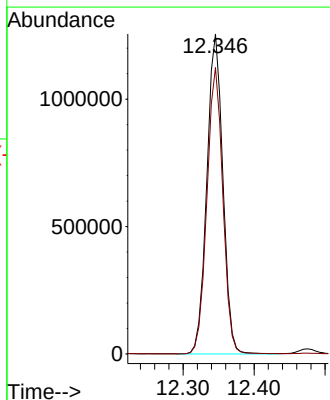
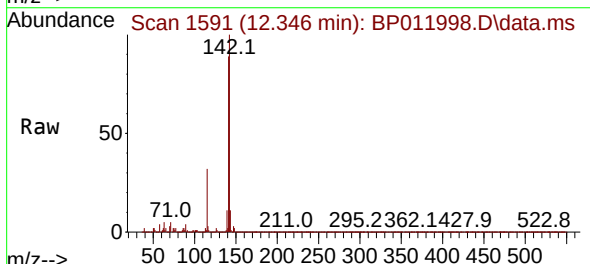
Manual Integrations
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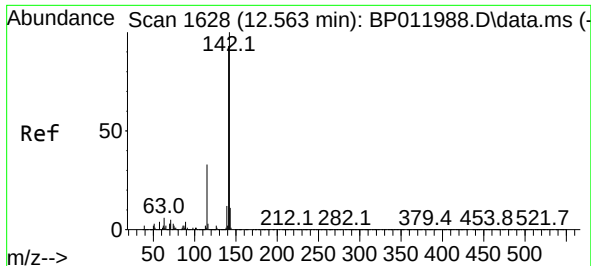
Reviewed By :Jagrut Upadhyay 10/07/2022
Supervised By :mohammad ahmed 10/10/2022



#36
2-Methylnaphthalene
Concen: 54.143 ng/ul
RT: 12.346 min Scan# 1591
Delta R.T. 0.000 min
Lab File: BP011998.D
Acq: 07 Oct 2022 07:44

Tgt Ion:142 Resp: 1968930
Ion Ratio Lower Upper
142 100
141 89.5 70.6 106.0





#37

1-Methylnaphthalene

Concen: 149.886 ng/ul

RT: 12.569 min Scan# 1628

Delta R.T. 0.006 min

Lab File: BP011998.D

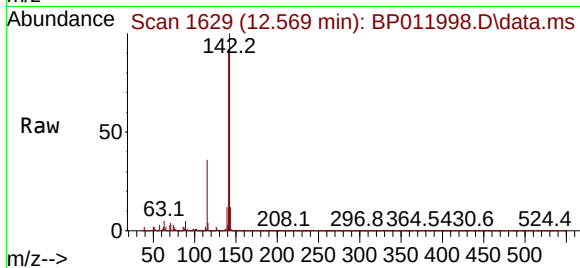
Acq: 07 Oct 2022 07:44

Instrument :

BNA_P

ClientSampleId :

E10031



Tgt Ion:142 Resp: 546934

Ion Ratio Lower Upper

142 100

141 92.4 74.8 112.2

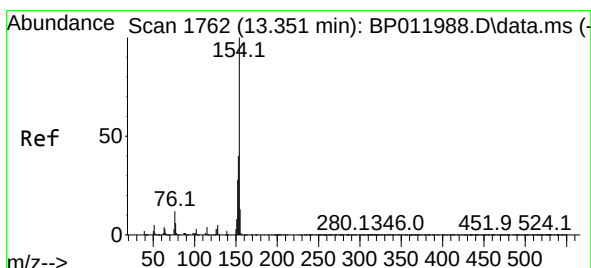
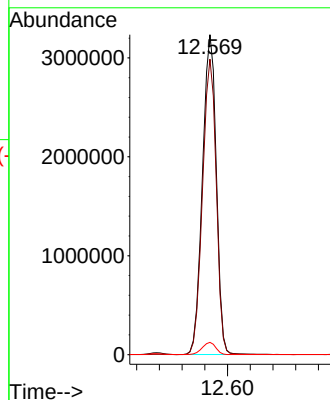
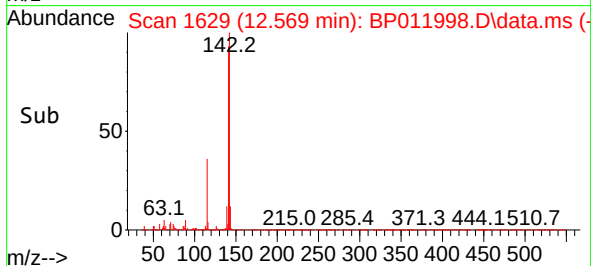
116 3.8 2.9 4.3

Manual Integrations

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#43

1,1'-Biphenyl

Concen: 19.220 ng/ul

RT: 13.357 min Scan# 1763

Delta R.T. 0.006 min

Lab File: BP011998.D

Acq: 07 Oct 2022 07:44

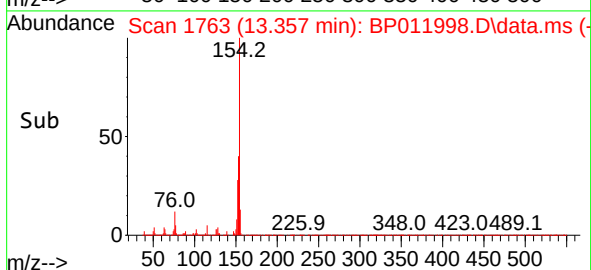
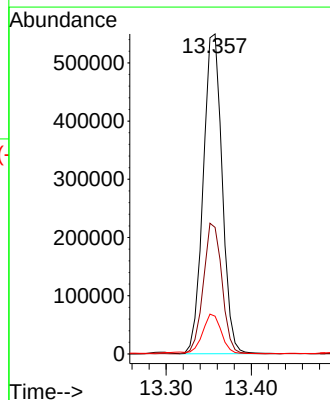
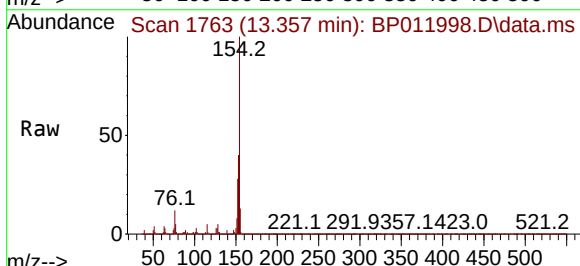
Tgt Ion:154 Resp: 847349

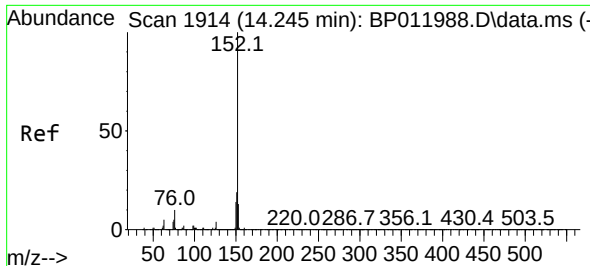
Ion Ratio Lower Upper

154 100

153 39.5 31.8 47.6

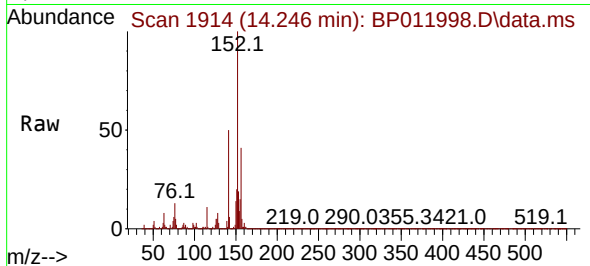
76 11.8 9.5 14.3





#50
Acenaphthylene
Concen: 14.858 ng/ul
RT: 14.246 min Scan# 1914
Delta R.T. 0.000 min
Lab File: BP011998.D
Acq: 07 Oct 2022 07:44

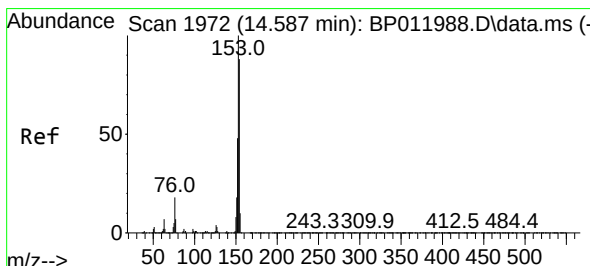
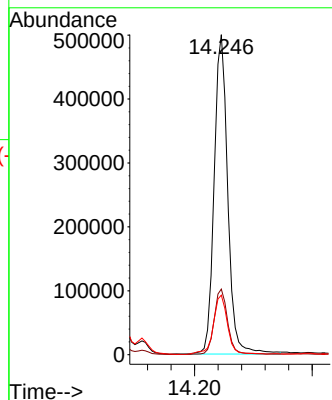
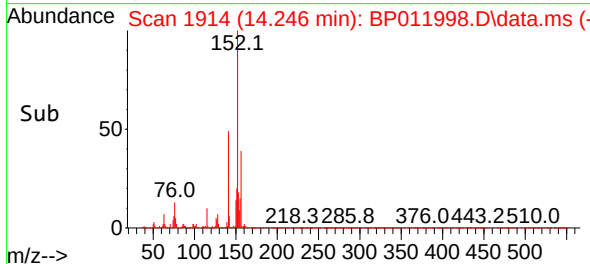
Instrument :
BNA_P
ClientSampleId :
E10031



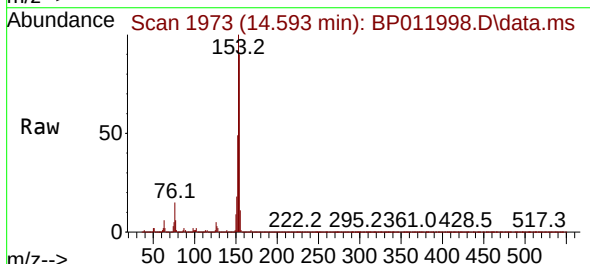
Tgt Ion:152 Resp: 801811
Ion Ratio Lower Upper
152 100
151 20.5 16.0 24.0
153 18.6 10.8 16.2

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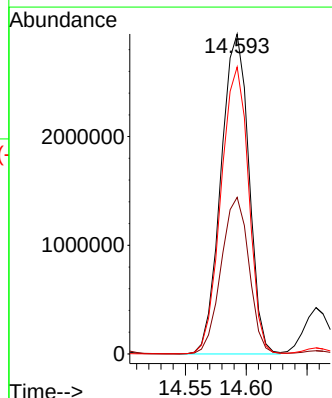
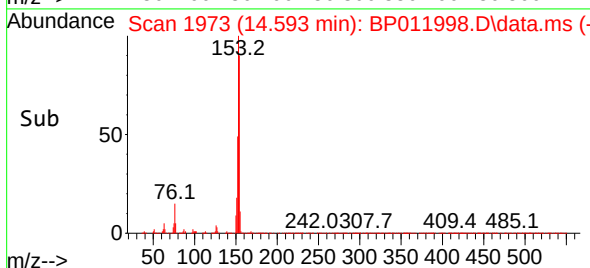
Reviewed By :Jagrut Upadhyay 10/07/2022
Supervised By :mohammad ahmed 10/10/2022

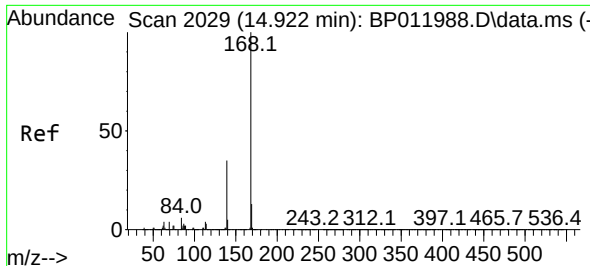


#52
Acenaphthene
Concen: 123.474 ng/ul
RT: 14.593 min Scan# 1973
Delta R.T. 0.006 min
Lab File: BP011998.D
Acq: 07 Oct 2022 07:44



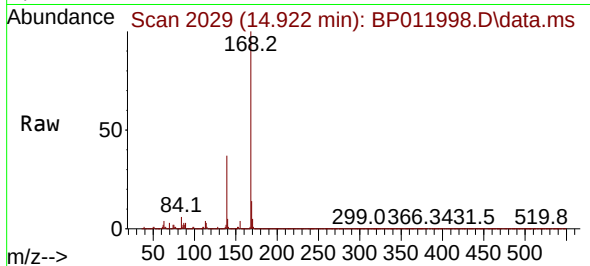
Tgt Ion:153 Resp: 4701243
Ion Ratio Lower Upper
153 100
152 49.0 38.4 57.6
154 89.7 70.6 105.8





#56
Dibenzenofuran
Concen: 79.008 ng/ul
RT: 14.922 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BP011998.D
Acq: 07 Oct 2022 07:44

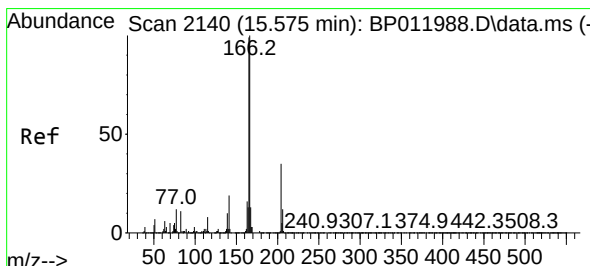
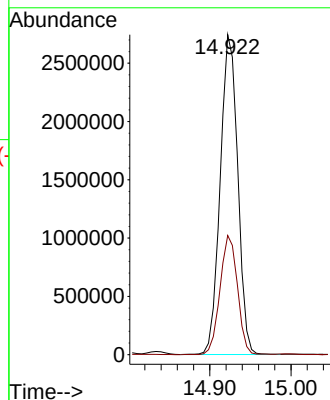
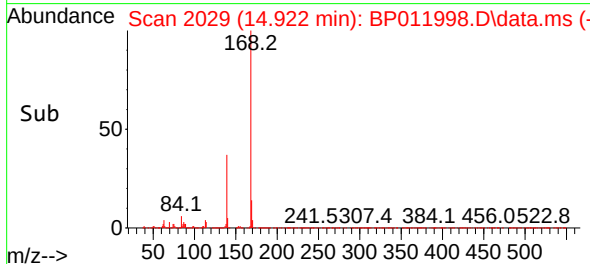
Instrument :
BNA_P
ClientSampleId :
E10031



Tgt Ion:168 Resp: 4120244
Ion Ratio Lower Upper
168 100
139 37.3 29.4 44.2

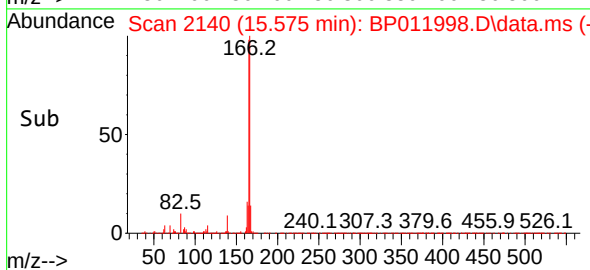
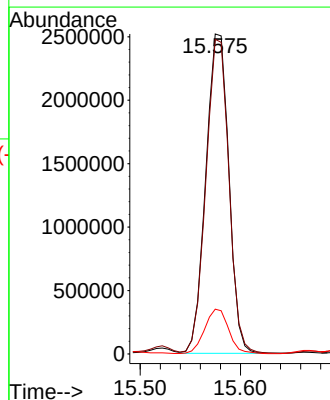
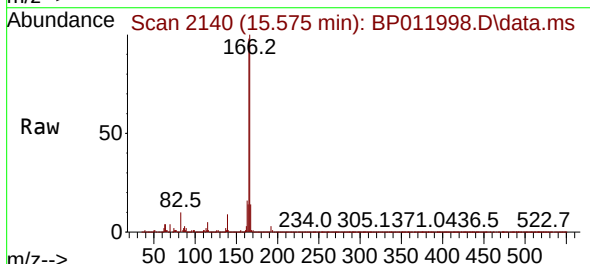
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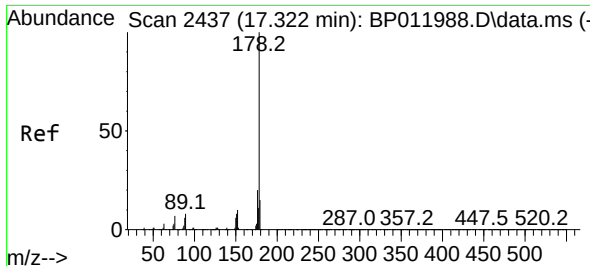
Reviewed By :Jagrut Upadhyay 10/07/2022
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#61
Fluorene
Concen: 94.215 ng/ul
RT: 15.575 min Scan# 2140
Delta R.T. 0.000 min
Lab File: BP011998.D
Acq: 07 Oct 2022 07:44

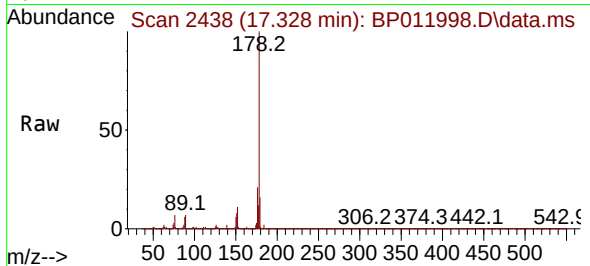
Tgt Ion:166 Resp: 4024194
Ion Ratio Lower Upper
166 100
165 98.3 77.2 115.8
167 14.0 10.7 16.1





#72
Phenanthrene
Concen: 109.329 ng/ul
RT: 17.328 min Scan# 2437
Delta R.T. 0.006 min
Lab File: BP011998.D
Acq: 07 Oct 2022 07:44

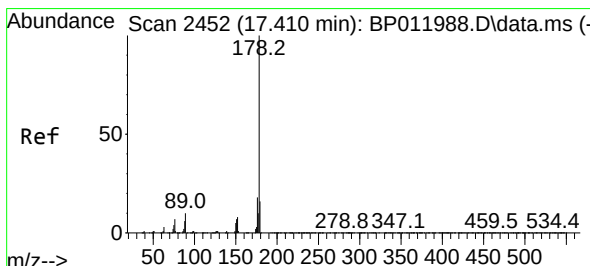
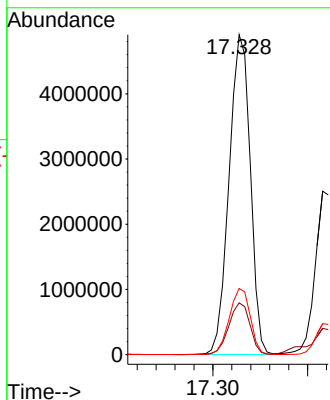
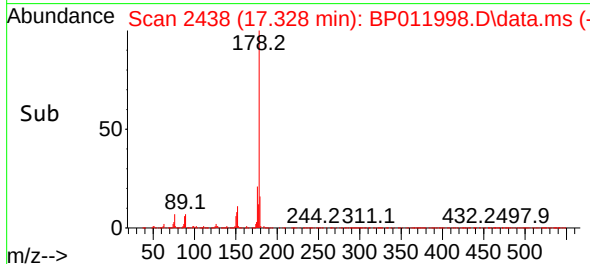
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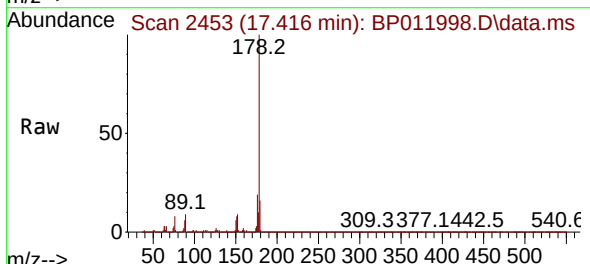
Tgt Ion:178 Resp: 7626080
Ion Ratio Lower Upper
178 100
179 16.2 12.5 18.7
176 20.7 15.4 23.2

Manual Integrations
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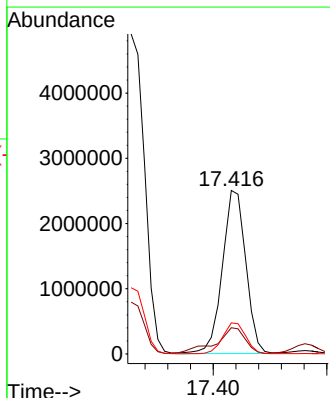
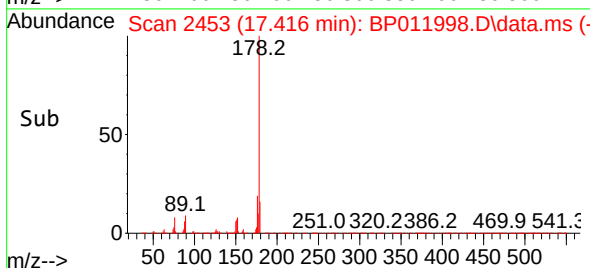
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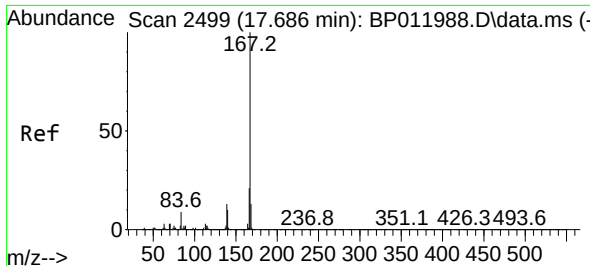


#74
Anthracene
Concen: 51.258 ng/ul
RT: 17.416 min Scan# 2453
Delta R.T. 0.006 min
Lab File: BP011998.D
Acq: 07 Oct 2022 07:44



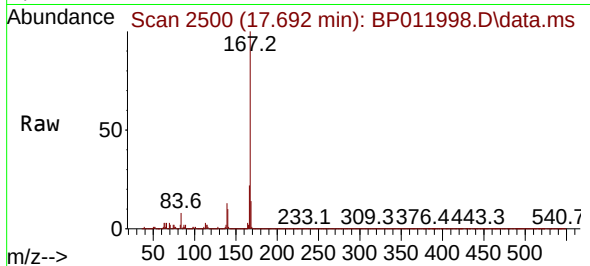
Tgt Ion:178 Resp: 3597436
Ion Ratio Lower Upper
178 100
179 16.1 12.3 18.5
176 19.0 15.4 23.2





#77
 Carbazole
 Concen: 70.297 ng/ul
 RT: 17.692 min Scan# 2499
 Delta R.T. 0.006 min
 Lab File: BP011988.D
 Acq: 07 Oct 2022 07:44

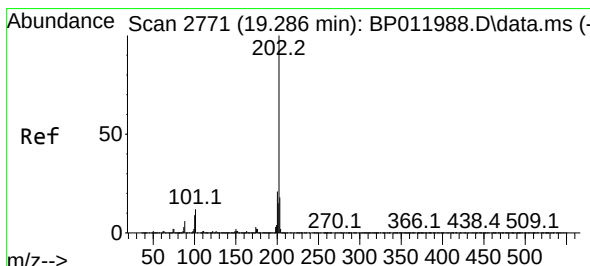
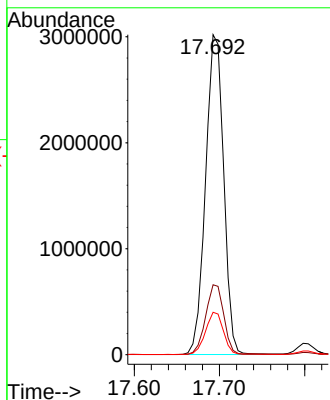
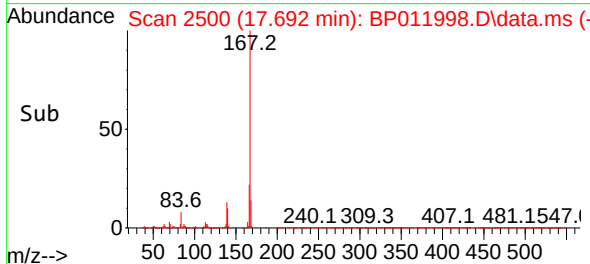
Instrument :
 BNA_P
 ClientSampleId :
 E10031



Tgt Ion:167 Resp: 445764
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.1 25.7
 139 13.2 10.1 15.1

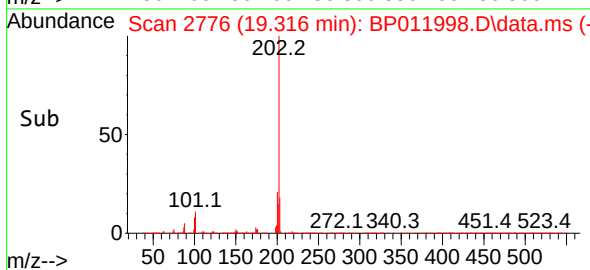
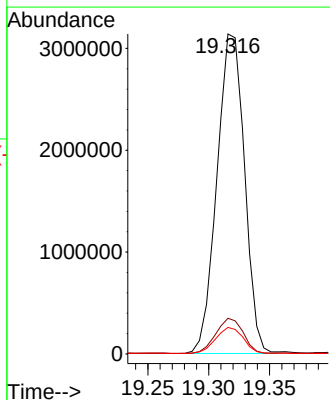
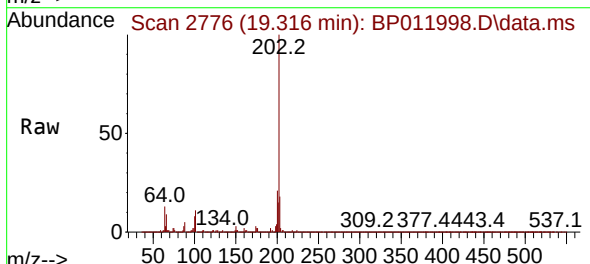
Manual Integrations
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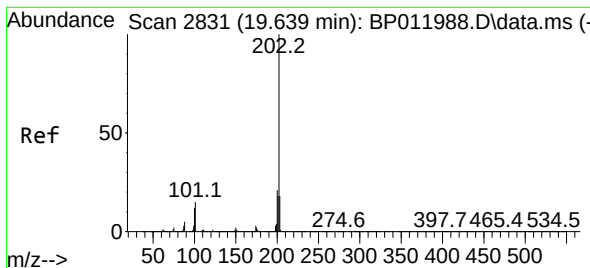
Reviewed By :Jagrut Upadhyay 10/07/2022
 Supervised By :mohammad ahmed 10/10/2022



#80
 Fluoranthene
 Concen: 63.380 ng/ul
 RT: 19.316 min Scan# 2776
 Delta R.T. 0.029 min
 Lab File: BP011988.D
 Acq: 07 Oct 2022 07:44

Tgt Ion:202 Resp: 4950829
 Ion Ratio Lower Upper
 202 100
 101 11.2 9.8 14.6
 100 8.3 7.4 11.0





#82

Pyrene

Concen: 52.431 ng/ul

RT: 19.657 min Scan# 21

Delta R.T. 0.018 min

Lab File: BP011998.D

Acq: 07 Oct 2022 07:44

Instrument :

BNA_P

ClientSampleId :

E10031

Tgt Ion:202 Resp: 426425

Ion Ratio Lower Upper

202 100

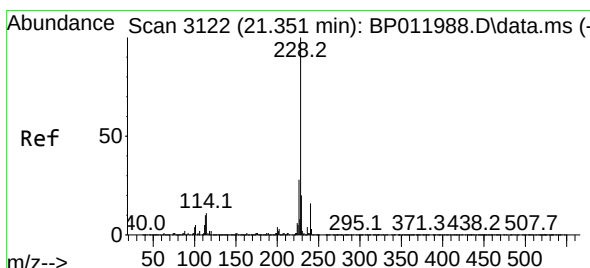
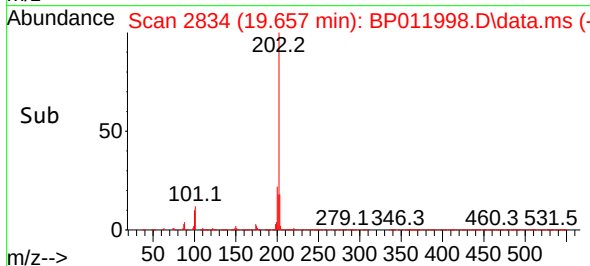
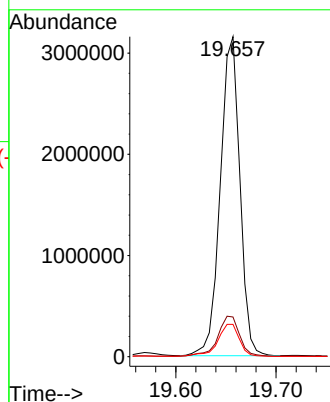
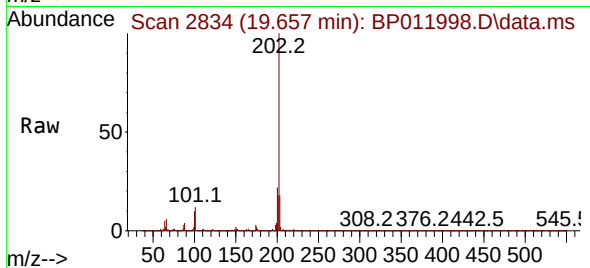
101 12.4 11.6 17.4

100 10.1 9.4 14.0

Manual Integrations

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Reviewed By :Jagrut Upadhyay 10/07/2022
Supervised By :mohammad ahmed 10/10/2022



#85

Benzo(a)anthracene

Concen: 21.323 ng/ul

RT: 21.357 min Scan# 3123

Delta R.T. 0.006 min

Lab File: BP011998.D

Acq: 07 Oct 2022 07:44

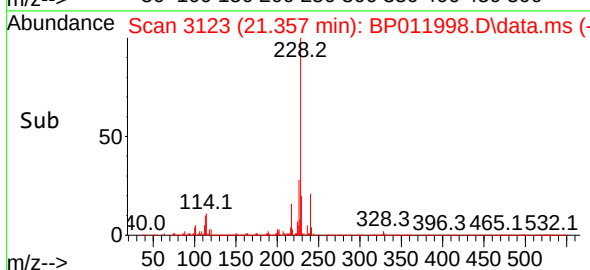
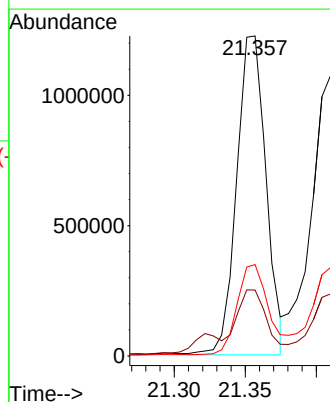
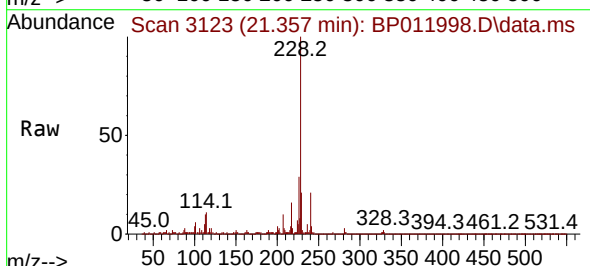
Tgt Ion:228 Resp: 1757438

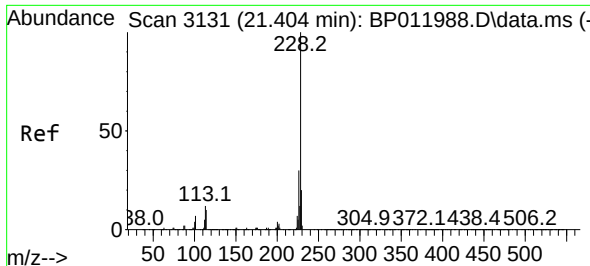
Ion Ratio Lower Upper

228 100

229 20.6 15.8 23.6

226 28.5 22.0 33.0





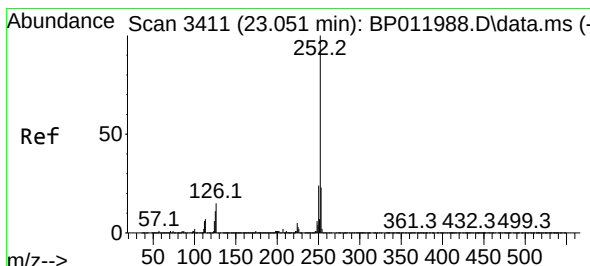
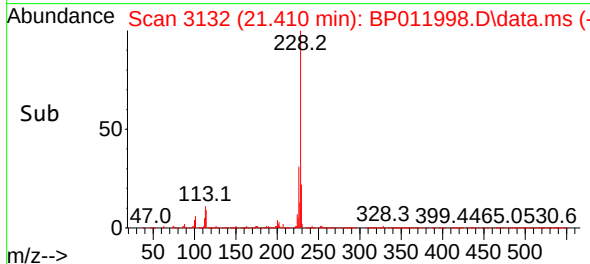
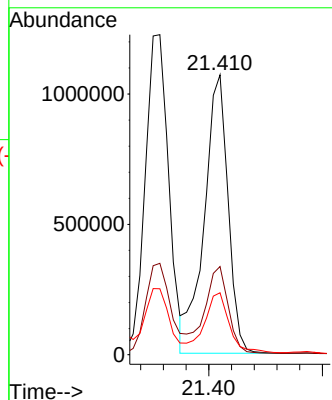
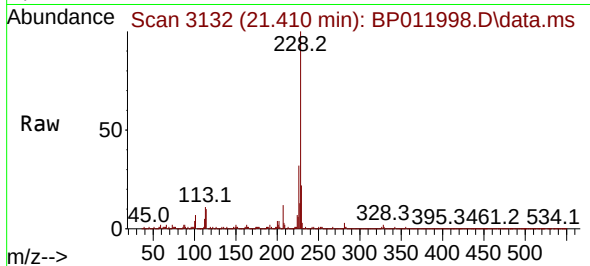
#87
Chrysene
Concen: 20.116 ng/ul
RT: 21.410 min Scan# 3131
Delta R.T. 0.006 min
Lab File: BP011998.D
Acq: 07 Oct 2022 07:44

Instrument :
BNA_P
ClientSampleId :
E10031

Tgt Ion:228 Resp: 155592
Ion Ratio Lower Upper
228 100
226 31.5 25.3 37.9
229 22.1 16.2 24.2

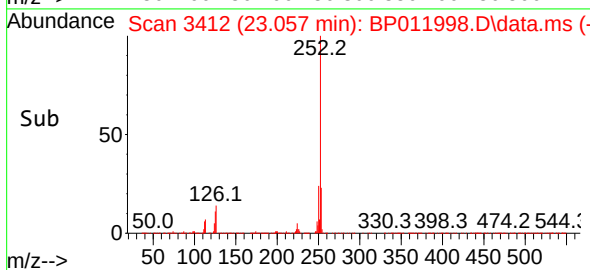
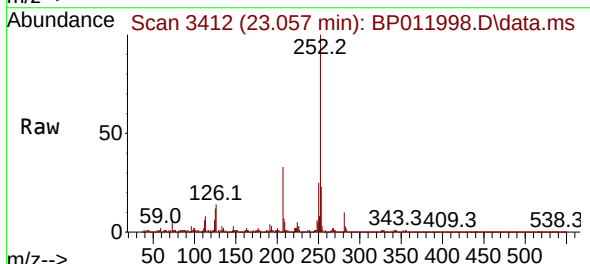
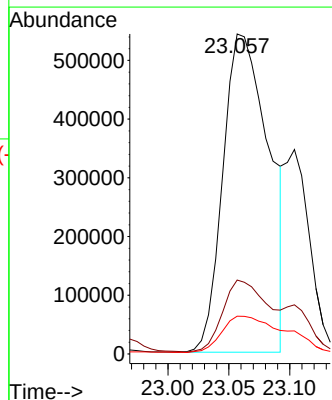
Manual Integrations
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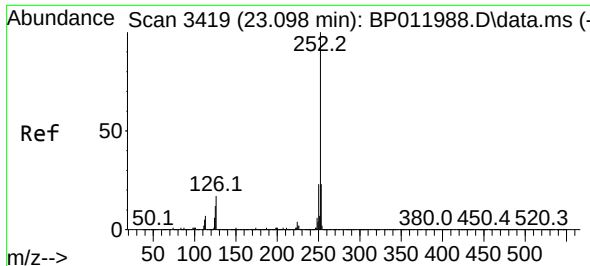
Reviewed By :Jagrut Upadhyay 10/07/2022
Supervised By :mohammad ahmed 10/10/2022



#90
Benzo(b)fluoranthene
Concen: 16.381 ng/ul
RT: 23.057 min Scan# 3412
Delta R.T. 0.006 min
Lab File: BP011998.D
Acq: 07 Oct 2022 07:44

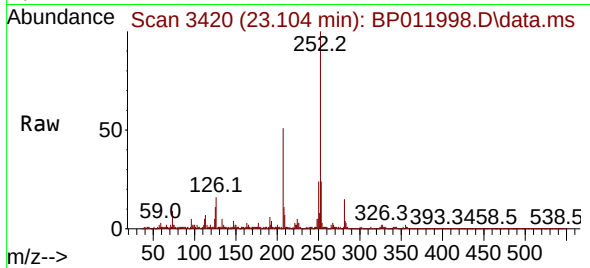
Tgt Ion:252 Resp: 1421717
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.8
125 11.8 9.2 13.8





#91
Benzo(k)fluoranthene
Concen: 5.784 ng/ul m
RT: 23.104 min Scan# 3419
Delta R.T. 0.006 min
Lab File: BP011988.D
Acq: 07 Oct 2022 07:44

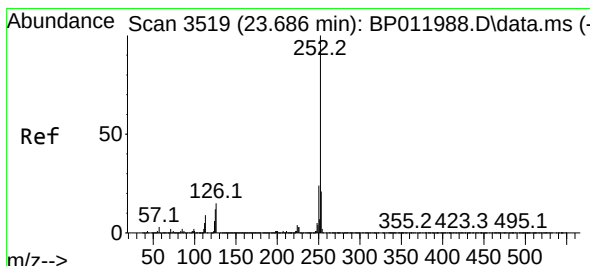
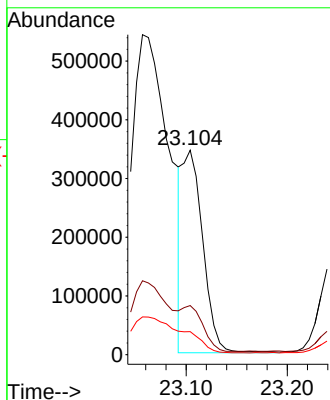
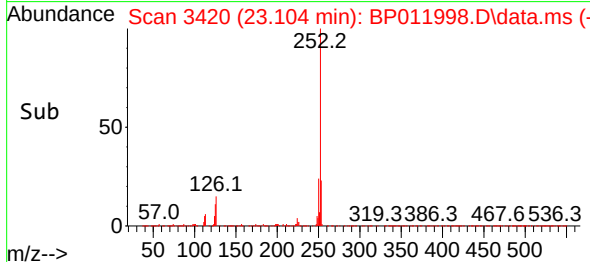
Instrument :
BNA_P
ClientSampleId :
E10031



Tgt Ion:252 Resp: 483440
Ion Ratio Lower Upper
252 100
253 24.0 18.0 27.0
125 11.3 9.2 13.8

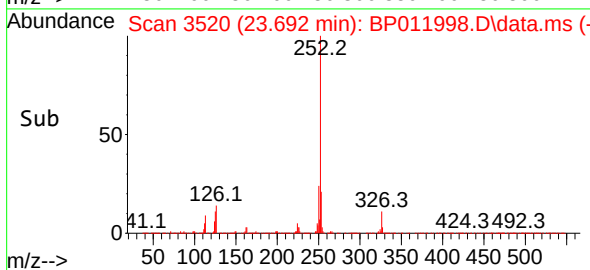
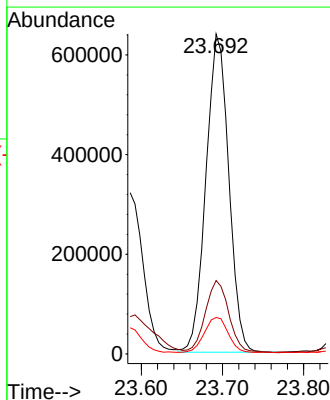
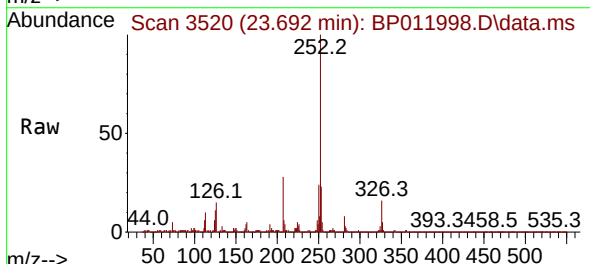
Manual Integrations
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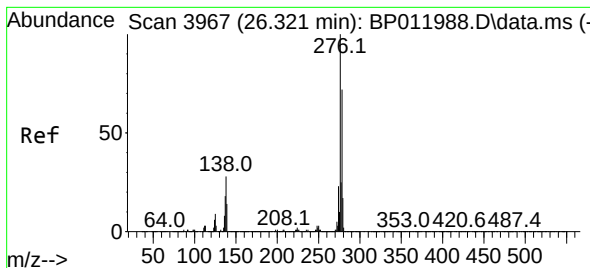
Reviewed By :Jagrut Upadhyay 10/07/2022
Supervised By :mohammad ahmed 10/10/2022



#93
Benzo(a)pyrene
Concen: 16.090 ng/ul
RT: 23.692 min Scan# 3520
Delta R.T. 0.006 min
Lab File: BP011988.D
Acq: 07 Oct 2022 07:44

Tgt Ion:252 Resp: 1246277
Ion Ratio Lower Upper
252 100
253 23.0 17.7 26.5
125 11.4 9.8 14.8





#94

Indeno(1,2,3-cd)pyrene

Concen: 6.431 ng/ul

RT: 26.327 min Scan# 3967

Delta R.T. 0.006 min

Lab File: BP011988.D

Acq: 07 Oct 2022 07:44

Instrument :

BNA_P

ClientSampleId :

E10031

Tgt Ion:276 Resp: 63403

Ion Ratio Lower Upper

276 100

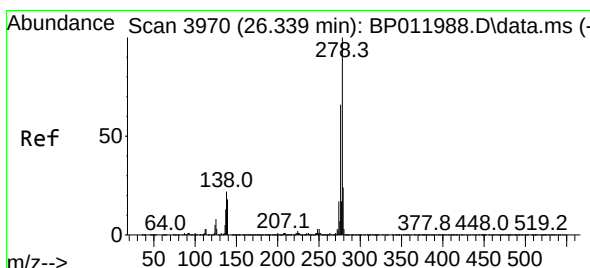
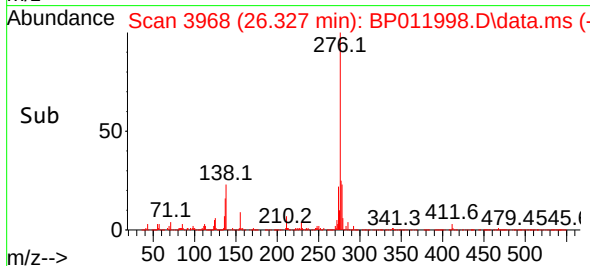
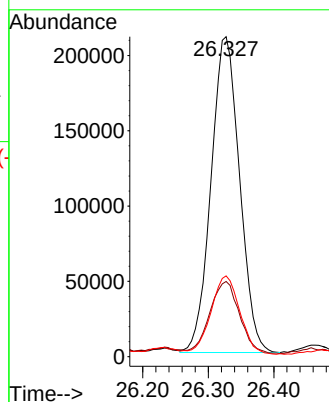
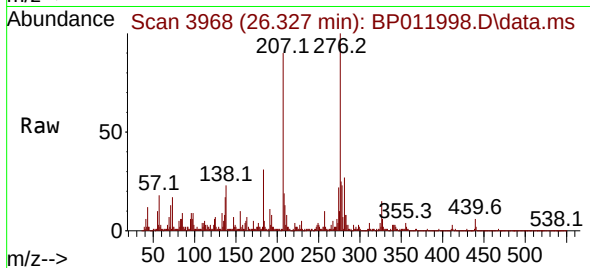
138 23.5 21.4 32.0

277 25.3 19.9 29.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/07/2022
Supervised By :mohammad ahmed 10/10/2022



#95

Dibenzo(a,h)anthracene

Concen: 2.035 ng/ul

RT: 26.333 min Scan# 3969

Delta R.T. -0.006 min

Lab File: BP011998.D

Acq: 07 Oct 2022 07:44

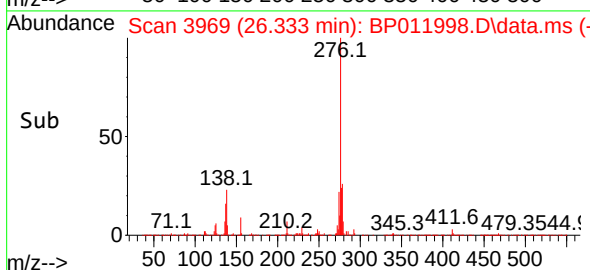
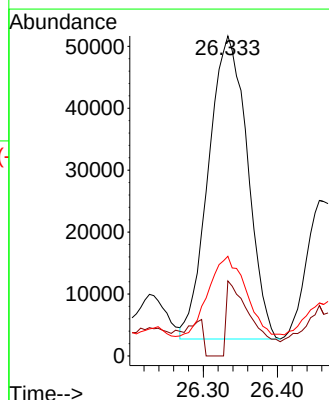
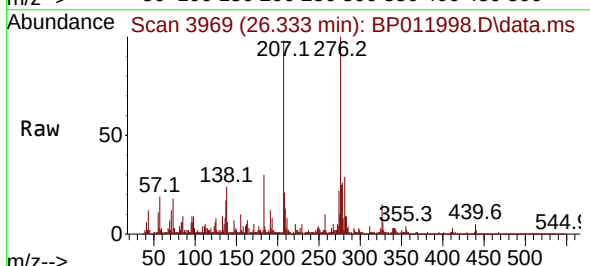
Tgt Ion:278 Resp: 178205

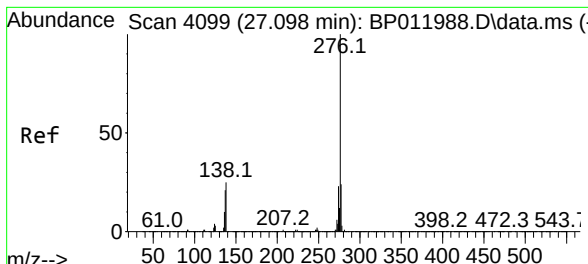
Ion Ratio Lower Upper

278 100

139 23.5 15.0 22.6#

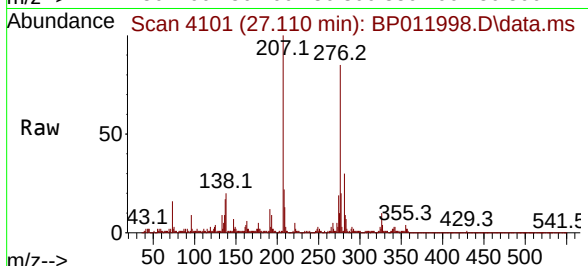
279 31.1 19.0 28.6#





#96
 Benzo(g,h,i)perylene
 Concen: 6.520 ng/ul
 RT: 27.110 min Scan# 41
 Delta R.T. 0.012 min
 Lab File: BP011998.D
 Acq: 07 Oct 2022 07:44

Instrument :
 BNA_P
 ClientSampleId :
 E10031



Tgt Ion:276 Resp: 569900
 Ion Ratio Lower Upper
 276 100
 138 23.5 19.8 29.6
 277 23.9 18.6 27.8

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 10/07/2022
 Supervised By :mohammad ahmed 10/10/2022

