

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021224\
 Data File : BP019665.D
 Acq On : 12 Feb 2024 16:28
 Operator : MA/JU
 Sample : P1413-03DL 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 ETGI-347DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/14/2024
 Supervised By :mohammad ahmed 02/14/2024

Quant Time: Feb 12 17:19:33 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 01 00:51:48 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.905	152	83803	20.000	ng	-0.01
21) Naphthalene-d8	10.705	136	283639	20.000	ng	-0.01
39) Acenaphthene-d10	14.540	164	164113	20.000	ng	-0.01
64) Phenanthrene-d10	17.292	188	368819	20.000	ng	-0.01
76) Chrysene-d12	21.386	240	458858	20.000	ng	0.00
86) Perylene-d12	23.810	264	563027	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	257096	49.452	ng	0.00
7) Phenol-d6	7.075	99	321255	45.828	ng	-0.01
23) Nitrobenzene-d5	9.075	82	222764	34.032	ng	-0.01
42) 2,4,6-Tribromophenol	16.034	330	143826	60.023	ng	0.00
45) 2-Fluorobiphenyl	13.163	172	451008	33.973	ng	-0.02
79) Terphenyl-d14	19.863	244	825764	29.595	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.263	152	77564	5.142	ng	100
52) Acenaphthene	14.604	154	46812	5.000	ng	100
55) Dibenzofuran	14.940	168	53439	3.504	ng	99
58) Fluorene	15.587	166	79006	6.505	ng	100
71) Phenanthrene	17.334	178	475309	24.488	ng	99
72) Anthracene	17.428	178	345048	17.821	ng	100
73) Carbazole	17.704	167	47177	2.682	ng	98
75) Fluoranthene	19.304	202	1220895	51.491	ng	99
78) Pyrene	19.657	202	1044194	32.244	ng	99
81) Benzo(a)anthracene	21.375	228	636000	19.690	ng	96
83) Chrysene	21.427	228	701892	22.888	ng	98
87) Indeno(1,2,3-cd)pyrene	26.327	276	182619	4.237	ng	96
88) Benzo(b)fluoranthene	23.074	252	726874	20.484	ng	97
89) Benzo(k)fluoranthene	23.116	252	208262m	6.144	ng	
90) Benzo(a)pyrene	23.698	252	351241	11.125	ng	97
92) Benzo(g,h,i)perylene	27.104	276	156710	4.358	ng	97

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

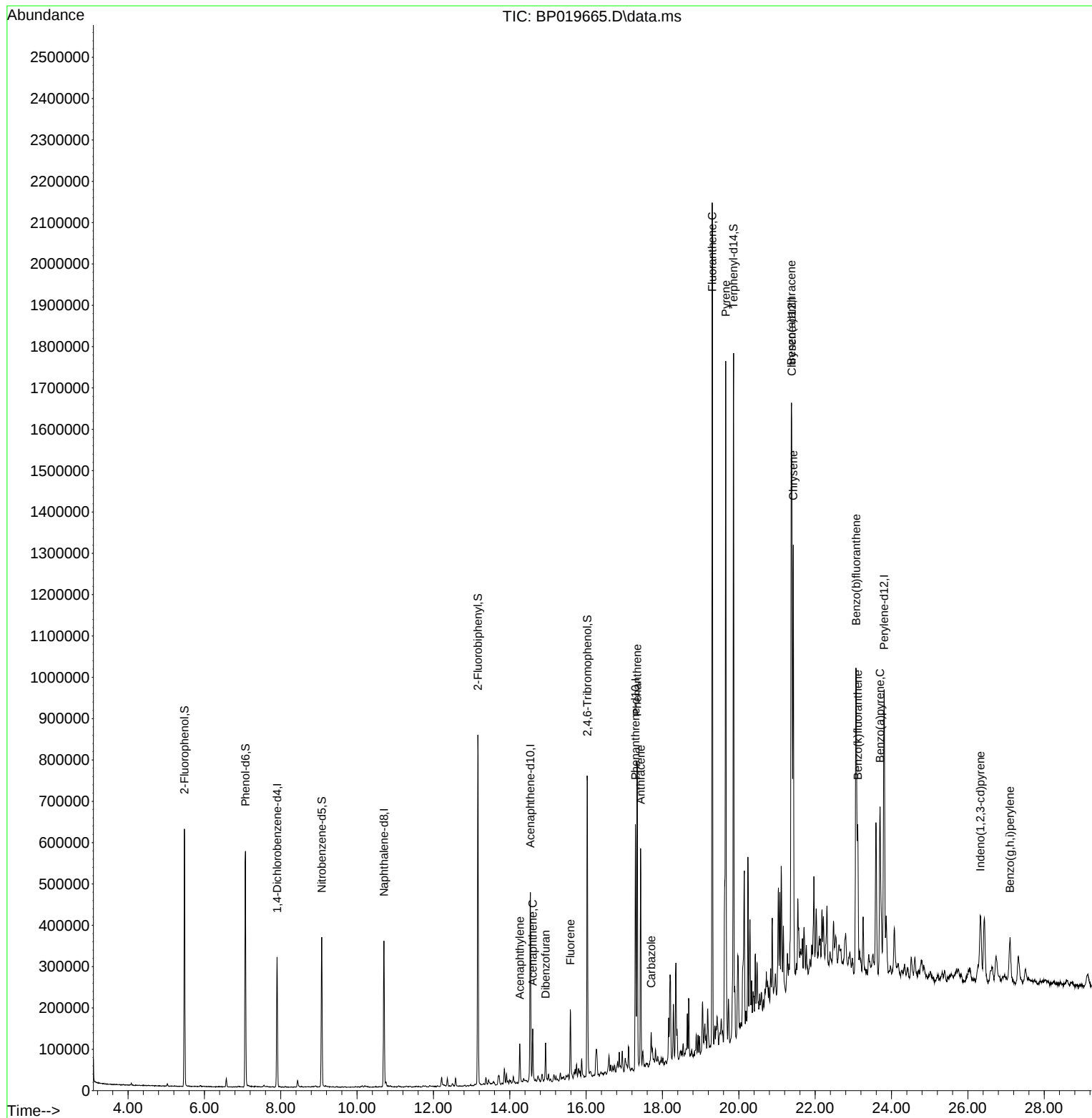
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Data File : BP019665.D
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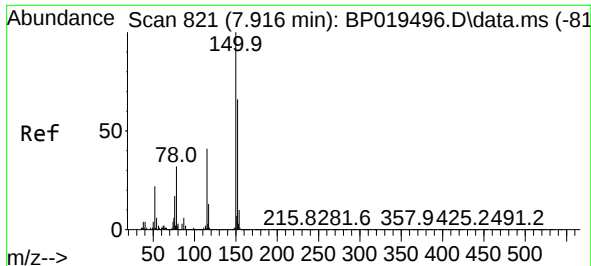
Instrument :
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Quant Time: Feb 12 17:19:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 01 00:51:48 2024
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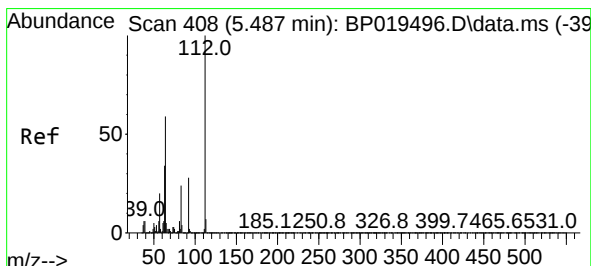
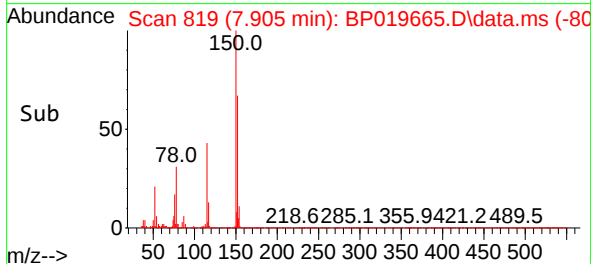
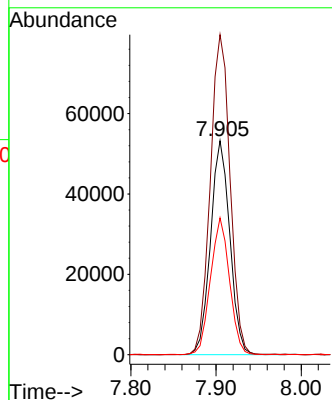
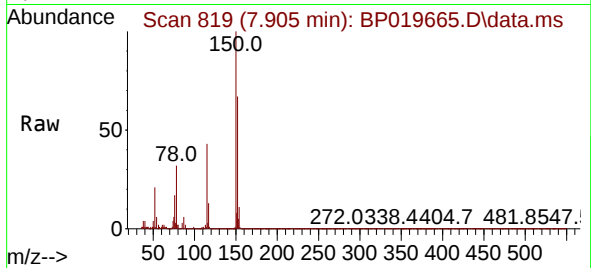
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.905 min Scan# 819
Delta R.T. -0.011 min
Lab File: BP019665.D
Acq: 12 Feb 2024 16:28

Instrument :
BNA_P
ClientSampleId :
ETGI-347DL

Tgt Ion:152 Resp: 8380
Ion Ratio Lower Upper
152 100
150 149.6 121.8 182.8
115 63.9 49.9 74.9

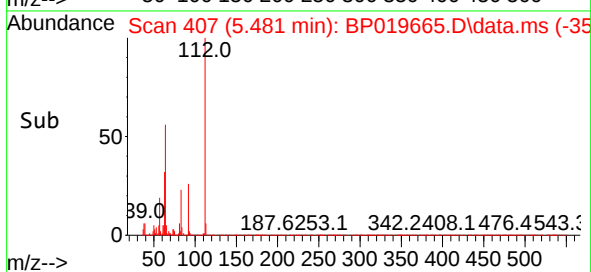
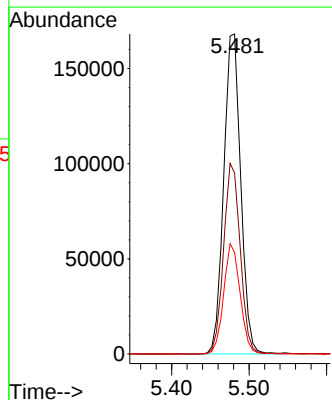
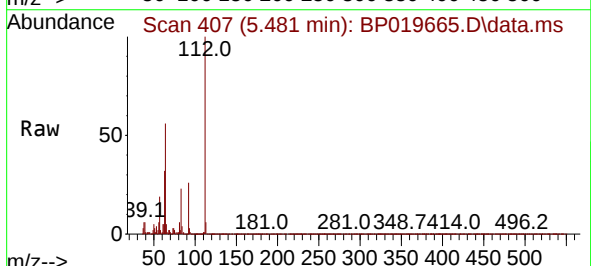
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#5
2-Fluorophenol
Concen: 49.452 ng
RT: 5.481 min Scan# 407
Delta R.T. -0.006 min
Lab File: BP019665.D
Acq: 12 Feb 2024 16:28

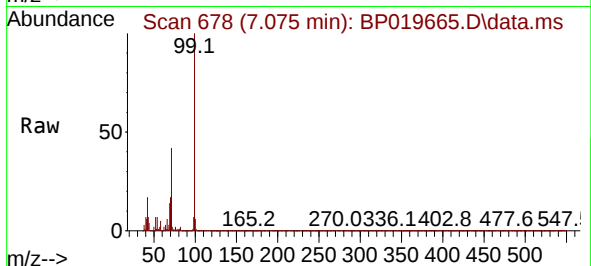
Tgt Ion:112 Resp: 257096
Ion Ratio Lower Upper
112 100
64 56.5 47.4 71.0
63 31.7 27.0 40.6





#7
Phenol-d6
Concen: 45.828 ng
RT: 7.075 min Scan# 61
Delta R.T. -0.011 min
Lab File: BP019665.D
Acq: 12 Feb 2024 16:28

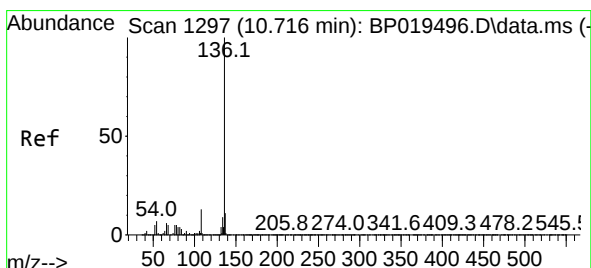
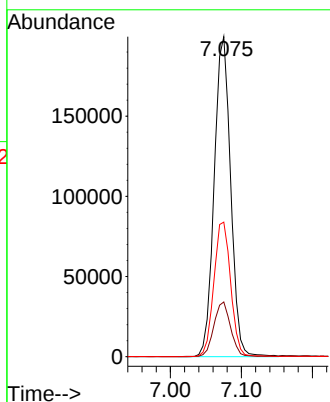
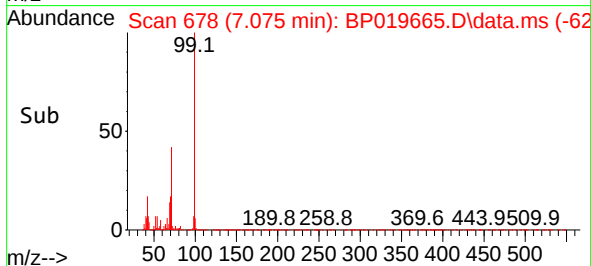
Instrument :
BNA_P
ClientSampleId :
ETGI-347DL



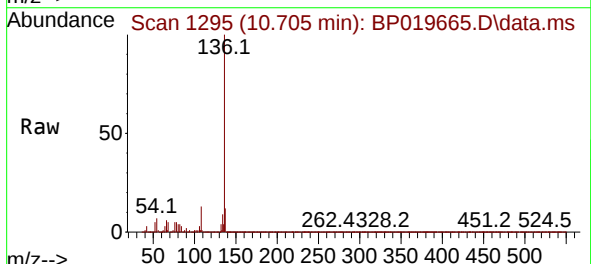
Tgt Ion: 99 Resp: 32125
Ion Ratio Lower Upper
99 100
42 17.1 14.7 22.1
71 42.0 34.8 52.2

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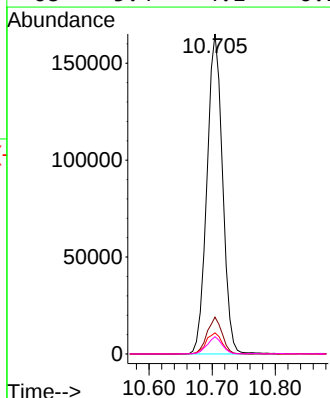
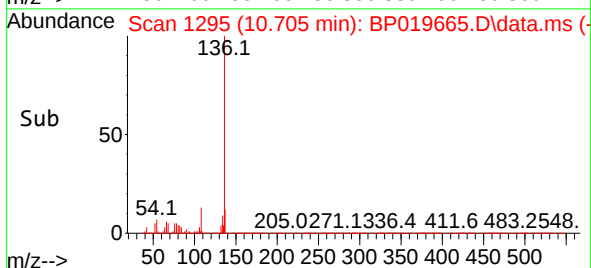
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.705 min Scan# 1295
Delta R.T. -0.011 min
Lab File: BP019665.D
Acq: 12 Feb 2024 16:28



Tgt Ion:136 Resp: 283639
Ion Ratio Lower Upper
136 100
137 11.5 8.8 13.2
54 6.6 5.3 7.9
68 5.4 4.1 6.1





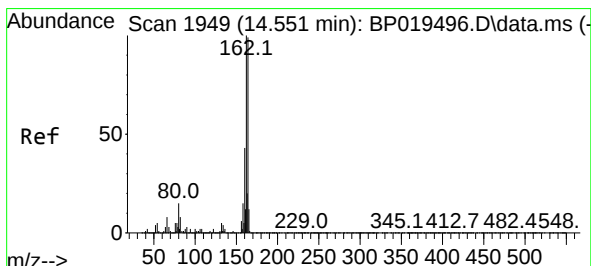
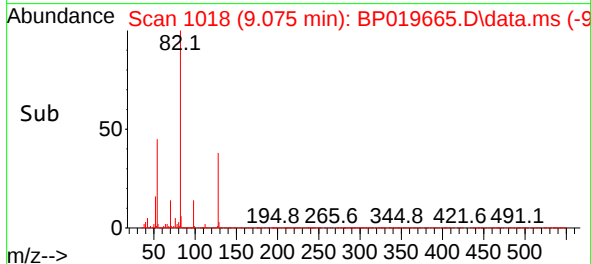
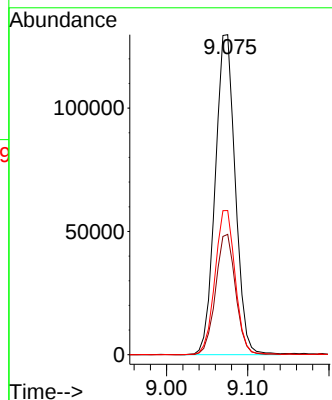
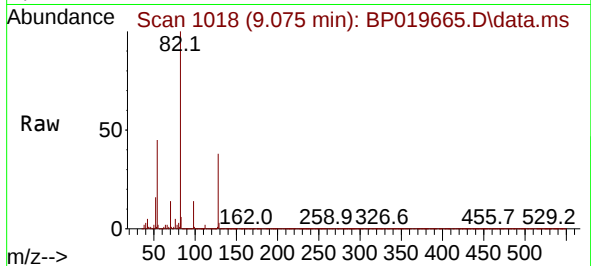
#23
Nitrobenzene-d5
Concen: 34.032 ng
RT: 9.075 min Scan# 1018
Delta R.T. -0.011 min
Lab File: BP019665.D
Acq: 12 Feb 2024 16:28

Instrument :
BNA_P
ClientSampleId :
ETGI-347DL

Tgt Ion: 82 Resp: 222764
Ion Ratio Lower Upper
82 100
128 37.6 29.7 44.5
54 45.0 36.8 55.2

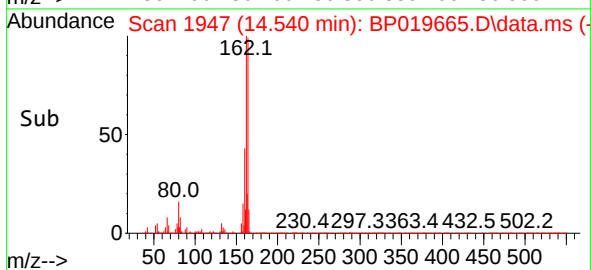
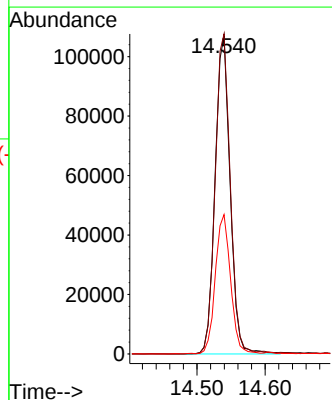
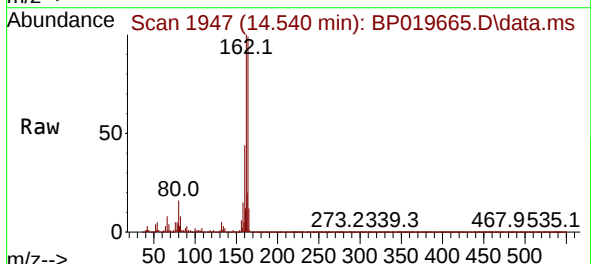
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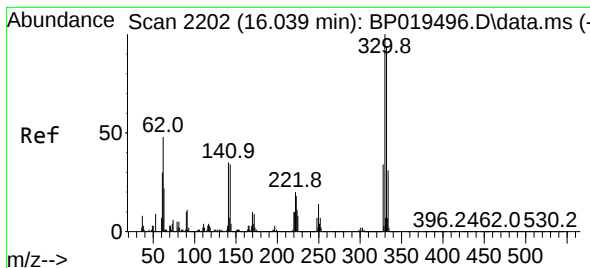
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.540 min Scan# 1947
Delta R.T. -0.011 min
Lab File: BP019665.D
Acq: 12 Feb 2024 16:28

Tgt Ion:164 Resp: 164113
Ion Ratio Lower Upper
164 100
162 100.6 81.2 121.8
160 43.8 35.1 52.7





#42
2,4,6-Tribromophenol
Concen: 60.023 ng
RT: 16.034 min Scan# 21
Delta R.T. -0.005 min
Lab File: BP019665.D
Acq: 12 Feb 2024 16:28

Instrument :

BNA_P

ClientSampleId :

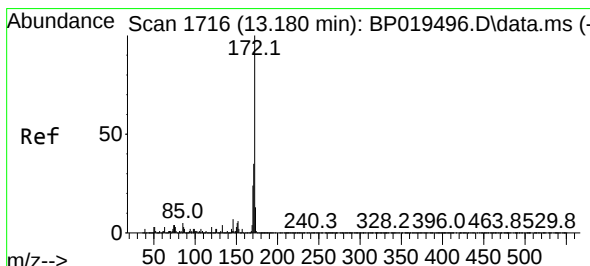
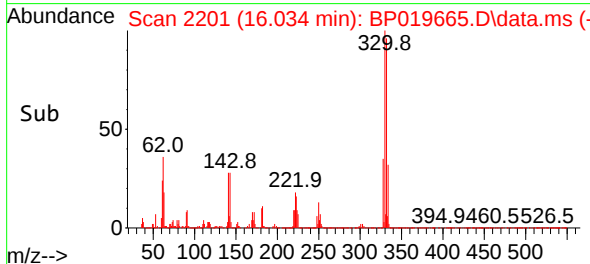
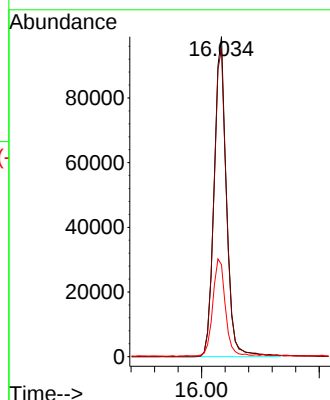
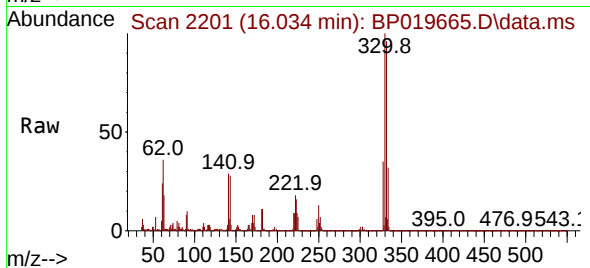
ETGI-347DL

Tgt Ion:330 Resp: 143820
Ion Ratio Lower Upper
330 100
332 98.3 77.2 115.8
141 30.7 27.0 40.4

Manual Integrations

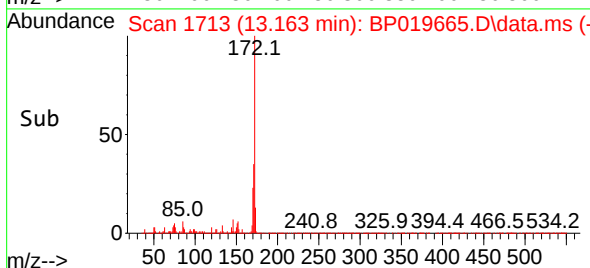
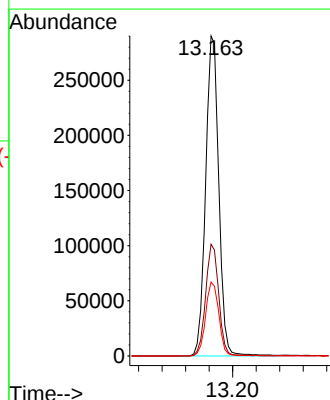
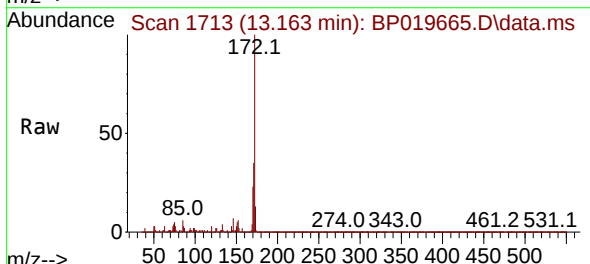
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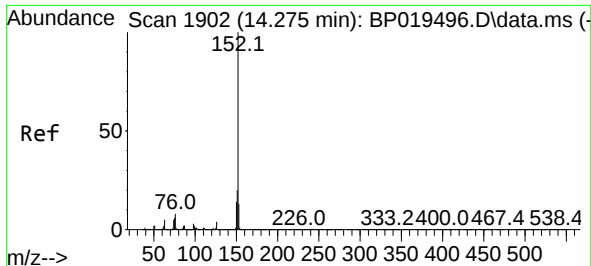
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#45
2-Fluorobiphenyl
Concen: 33.973 ng
RT: 13.163 min Scan# 1713
Delta R.T. -0.017 min
Lab File: BP019665.D
Acq: 12 Feb 2024 16:28

Tgt Ion:172 Resp: 451008
Ion Ratio Lower Upper
172 100
171 34.9 28.2 42.4
170 23.1 18.9 28.3





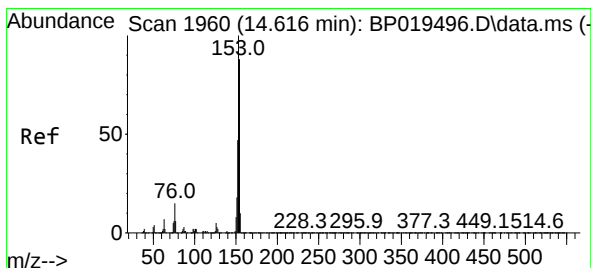
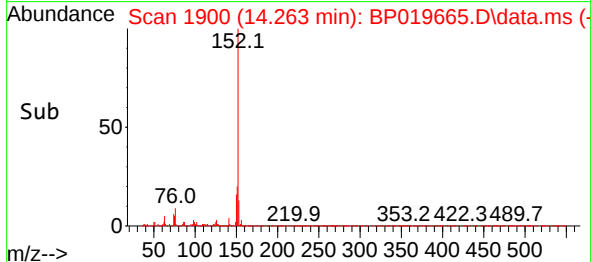
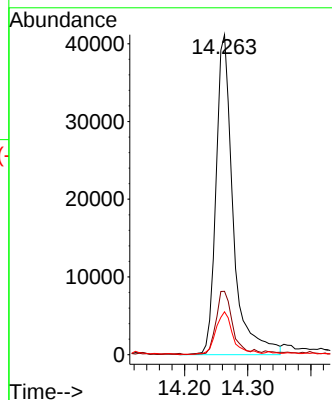
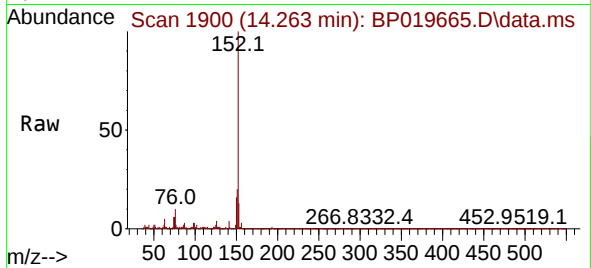
#49
Acenaphthylene
Concen: 5.142 ng
RT: 14.263 min Scan# 1900
Delta R.T. -0.011 min
Lab File: BP019665.D
Acq: 12 Feb 2024 16:28

Instrument :
BNA_P
ClientSampleId :
ETGI-347DL

Tgt Ion:152 Resp: 77564
Ion Ratio Lower Upper
152 100
151 19.8 15.8 23.6
153 13.4 10.6 15.8

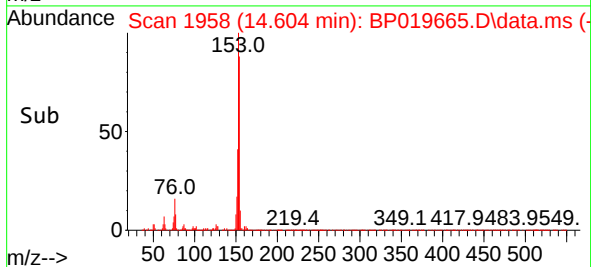
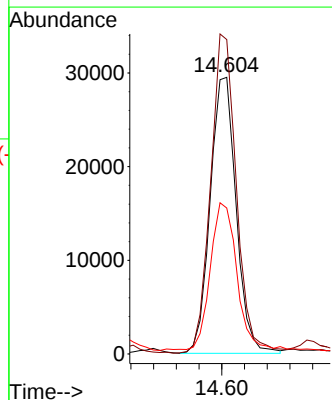
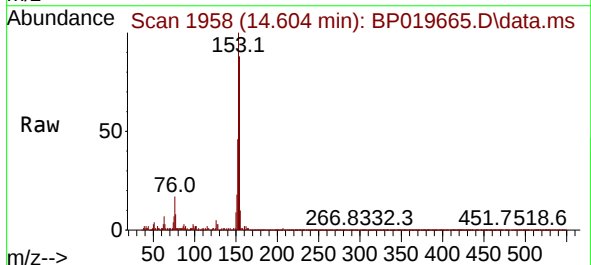
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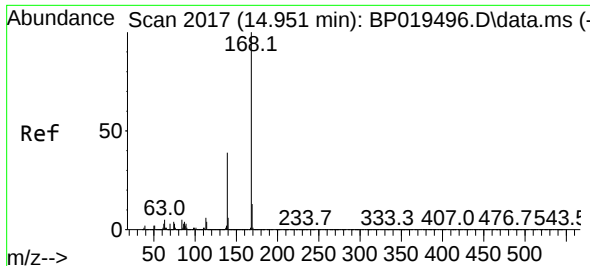
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#52
Acenaphthene
Concen: 5.000 ng
RT: 14.604 min Scan# 1958
Delta R.T. -0.011 min
Lab File: BP019665.D
Acq: 12 Feb 2024 16:28

Tgt Ion:154 Resp: 46812
Ion Ratio Lower Upper
154 100
153 113.6 90.5 135.7
152 52.7 42.1 63.1





#55
Dibenzenofuran
Concen: 3.504 ng
RT: 14.940 min Scan# 2015
Delta R.T. -0.011 min
Lab File: BP019665.D
Acq: 12 Feb 2024 16:28

Instrument :

BNA_P

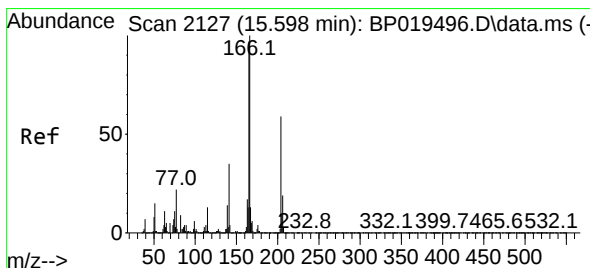
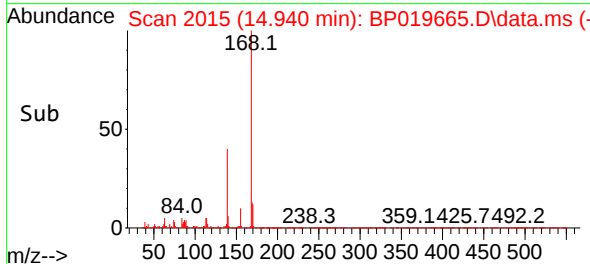
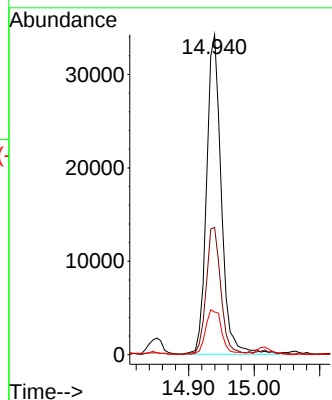
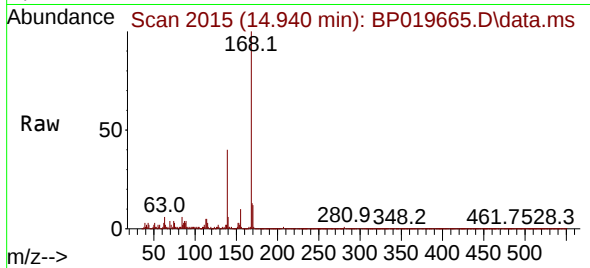
ClientSampleId :

ETGI-347DL

Tgt Ion:168 Resp: 53439
Ion Ratio Lower Upper
168 100
139 39.7 31.5 47.3
169 13.4 10.3 15.5

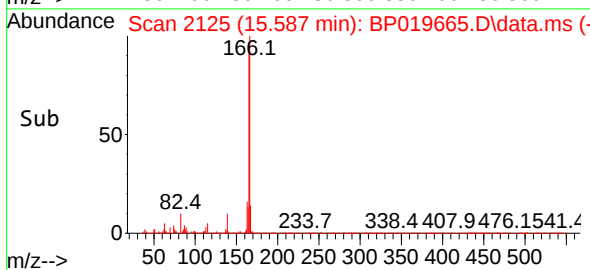
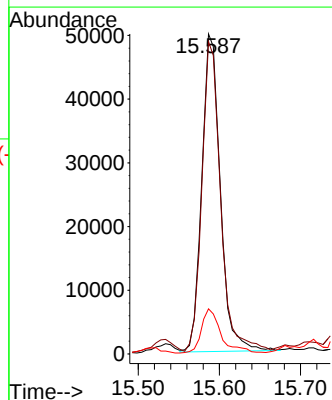
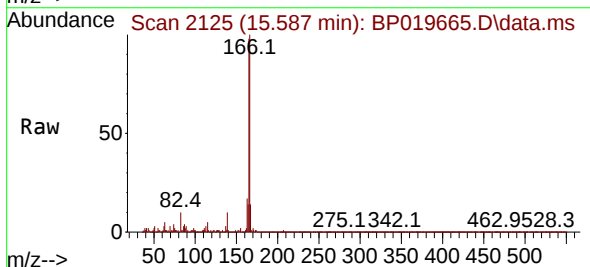
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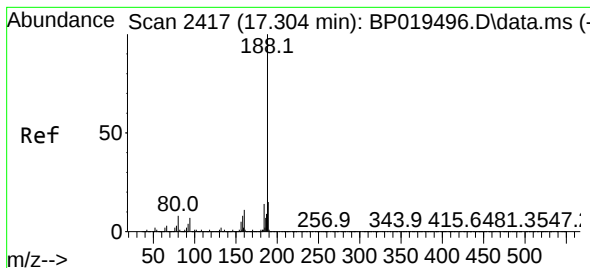
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#58
Fluorene
Concen: 6.505 ng
RT: 15.587 min Scan# 2125
Delta R.T. -0.011 min
Lab File: BP019665.D
Acq: 12 Feb 2024 16:28

Tgt Ion:166 Resp: 79006
Ion Ratio Lower Upper
166 100
165 97.6 77.8 116.8
167 14.1 10.7 16.1





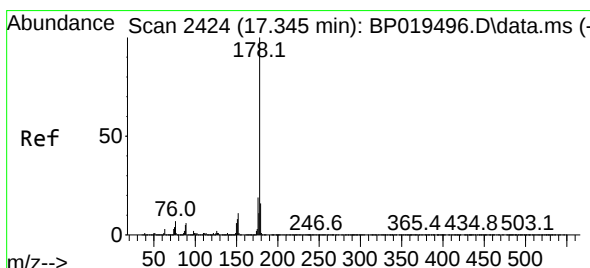
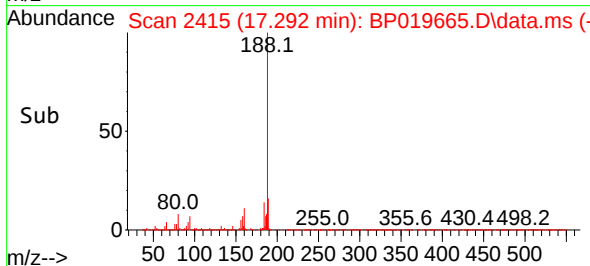
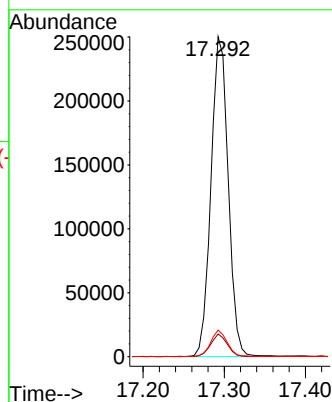
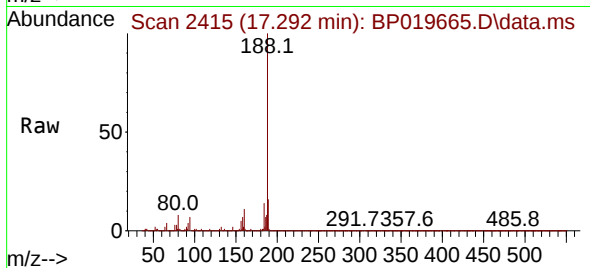
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.292 min Scan# 2415
Delta R.T. -0.012 min
Lab File: BP019665.D
Acq: 12 Feb 2024 16:28

Instrument :
BNA_P
ClientSampleId :
ETGI-347DL

Tgt Ion:188 Resp: 368819
Ion Ratio Lower Upper
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94 7.1 5.4 8.2
80 8.3 6.3 9.5

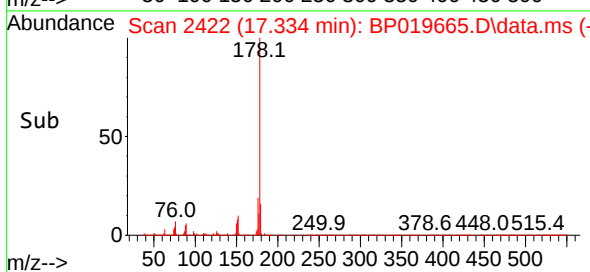
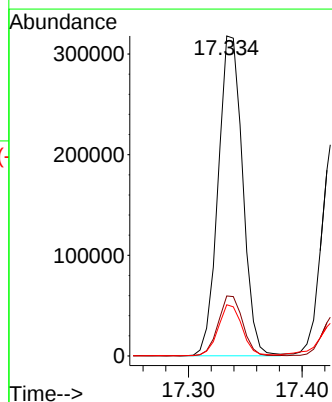
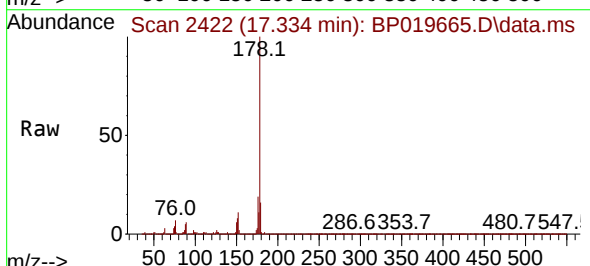
Manual Integrations
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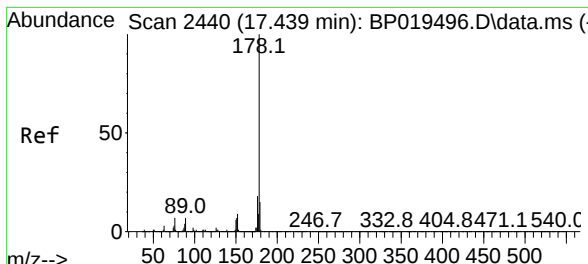
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#71
Phenanthrene
Concen: 24.488 ng
RT: 17.334 min Scan# 2422
Delta R.T. -0.011 min
Lab File: BP019665.D
Acq: 12 Feb 2024 16:28

Tgt Ion:178 Resp: 475309
Ion Ratio Lower Upper
178 100
176 18.7 15.5 23.3
179 16.0 12.6 19.0



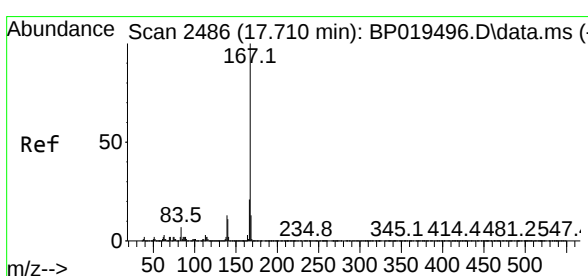
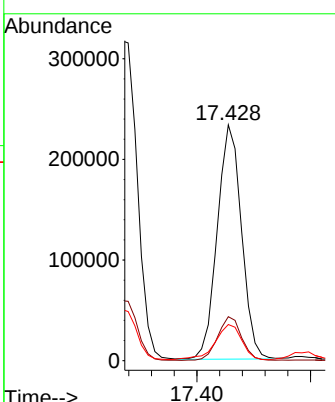
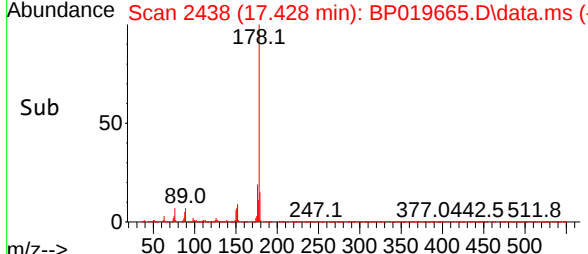
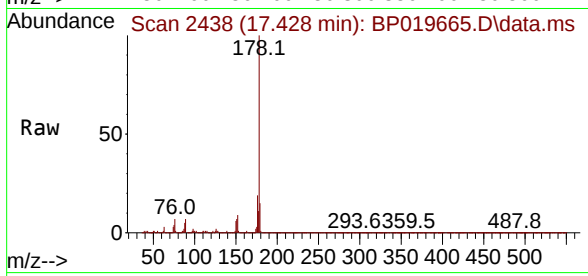


#72
 Anthracene
 Concen: 17.821 ng
 RT: 17.428 min Scan# 2440
 Delta R.T. -0.011 min
 Lab File: BP019665.D
 Acq: 12 Feb 2024 16:28

Instrument : BNA_P
 ClientSampleId : ETGI-347DL

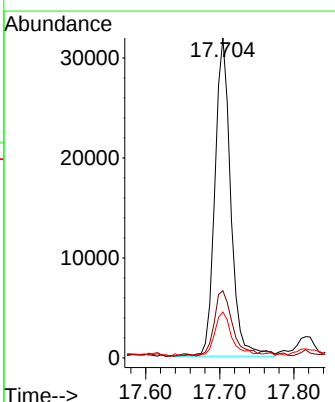
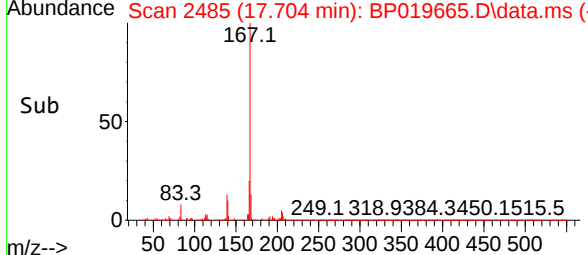
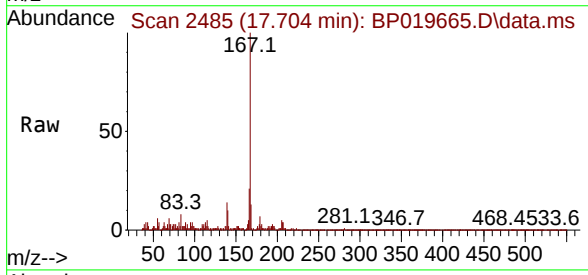
Tgt Ion:	178	Resp:	34504
Ion Ratio	Lower	Upper	
178	100		
176	18.6	14.7	22.1
179	15.4	12.2	18.2

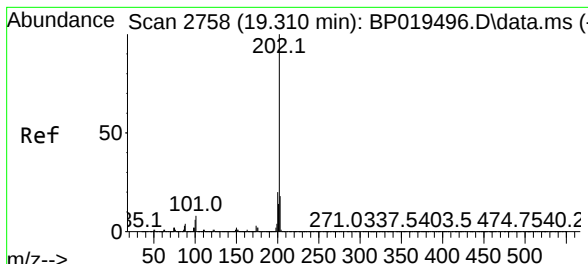
Manual Integrations
APPROVED
 Reviewed By :Yogesh Patel 02/14/2024
 Supervised By :mohammad ahmed 02/14/2024



#73
 Carbazole
 Concen: 2.682 ng
 RT: 17.704 min Scan# 2485
 Delta R.T. -0.006 min
 Lab File: BP019665.D
 Acq: 12 Feb 2024 16:28

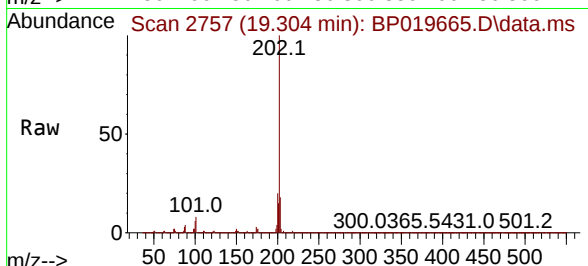
Tgt Ion:	167	Resp:	47177
Ion Ratio	Lower	Upper	
167	100		
166	21.0	17.2	25.8
139	14.4	10.6	15.8





#75
Fluoranthene
Concen: 51.491 ng
RT: 19.304 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP019665.D
Acq: 12 Feb 2024 16:28

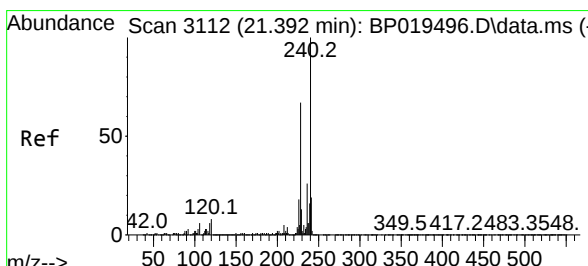
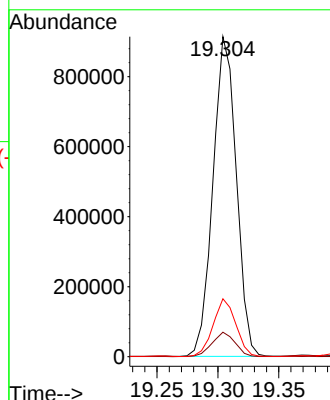
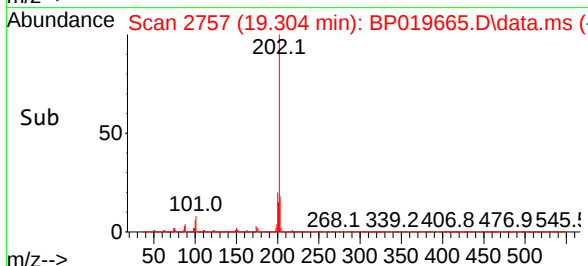
Instrument :
BNA_P
ClientSampleId :
ETGI-347DL



Tgt Ion:202 Resp: 122089
Ion Ratio Lower Upper
202 100
101 7.7 0.0 27.7
203 18.1 0.0 37.5

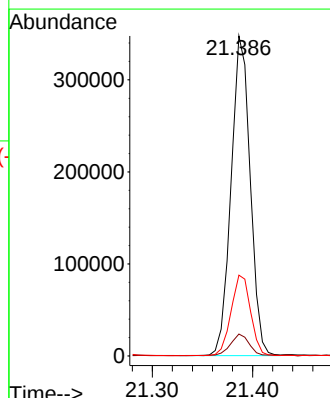
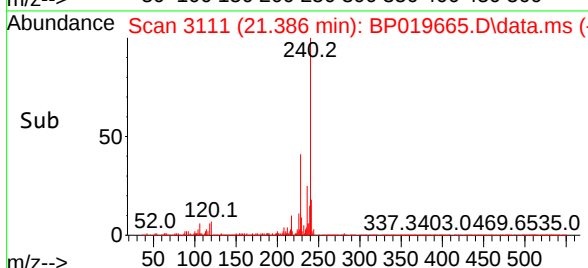
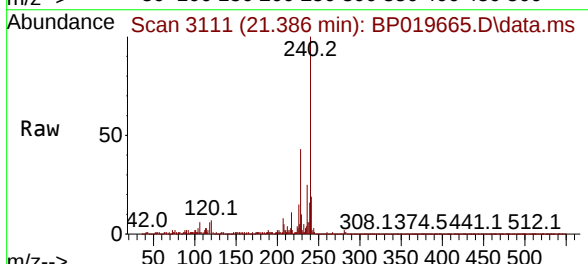
Manual Integrations
APPROVED

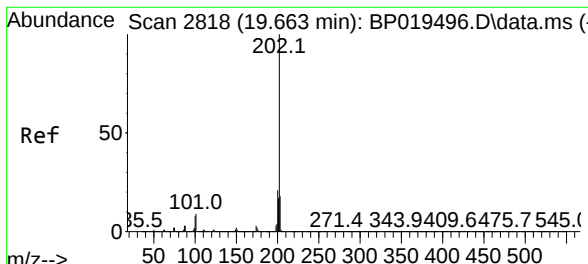
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.386 min Scan# 3111
Delta R.T. -0.006 min
Lab File: BP019665.D
Acq: 12 Feb 2024 16:28

Tgt Ion:240 Resp: 458858
Ion Ratio Lower Upper
240 100
120 6.8 6.1 9.1
236 25.3 20.7 31.1





#78
 Pyrene
 Concen: 32.244 ng
 RT: 19.657 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BP019665.D
 Acq: 12 Feb 2024 16:28

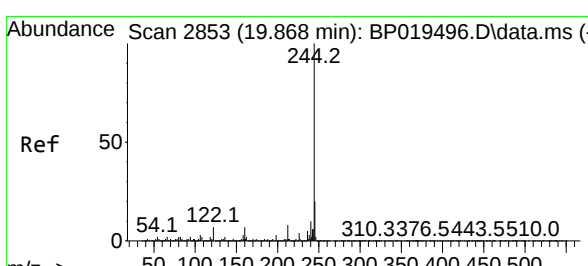
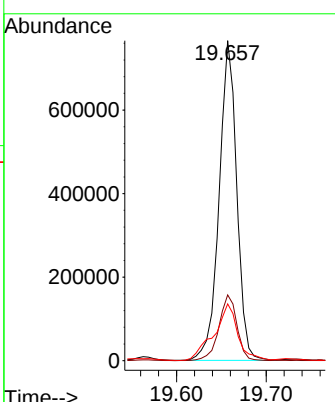
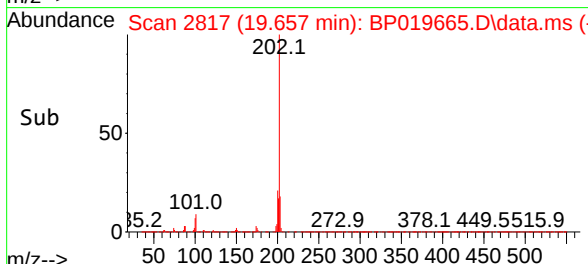
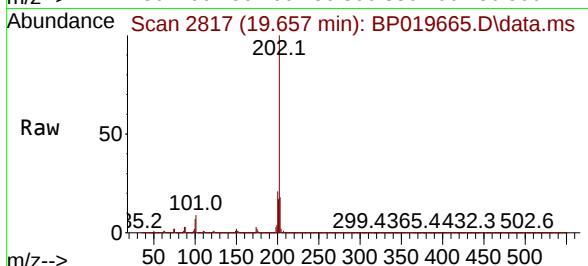
Instrument : BNA_P
 ClientSampleId : ETGI-347DL

Tgt Ion: 202 Resp: 1044194

Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.9	25.3
203	17.7	14.2	21.2

Manual Integrations
 APPROVED

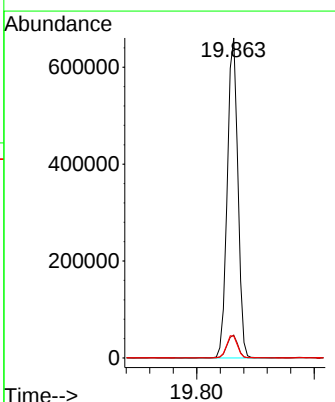
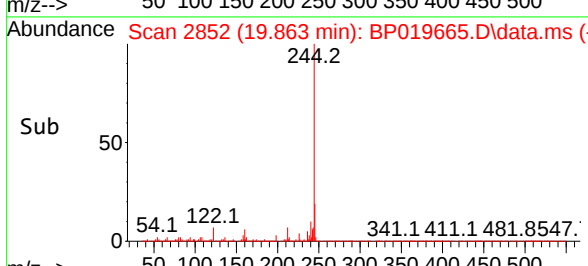
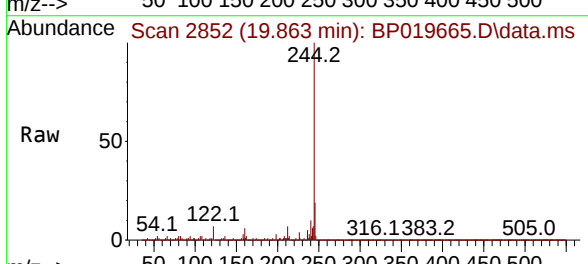
Reviewed By :Yogesh Patel 02/14/2024
 Supervised By :mohammad ahmed 02/14/2024

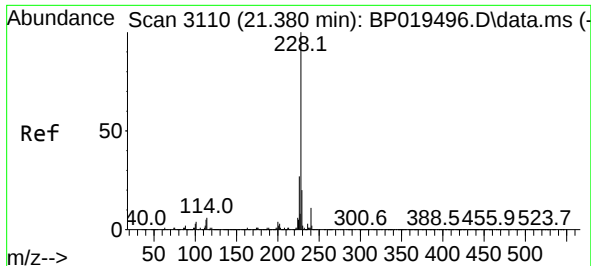


#79
 Terphenyl-d14
 Concen: 29.595 ng
 RT: 19.863 min Scan# 2852
 Delta R.T. -0.006 min
 Lab File: BP019665.D
 Acq: 12 Feb 2024 16:28

Tgt Ion: 244 Resp: 825764

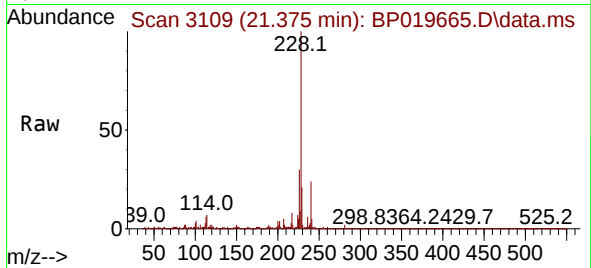
Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.1	9.1
122	6.8	5.9	8.9





#81
Benzo(a)anthracene
Concen: 19.690 ng
RT: 21.375 min Scan# 3109
Delta R.T. -0.006 min
Lab File: BP019665.D
Acq: 12 Feb 2024 16:28

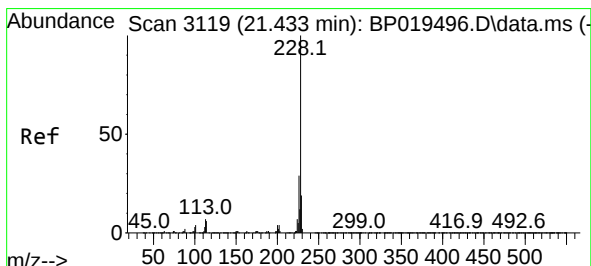
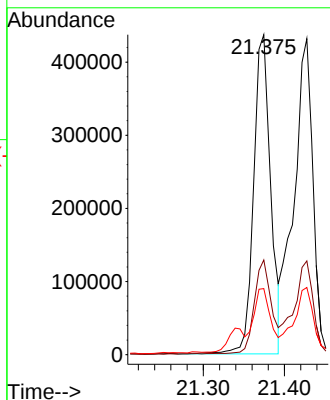
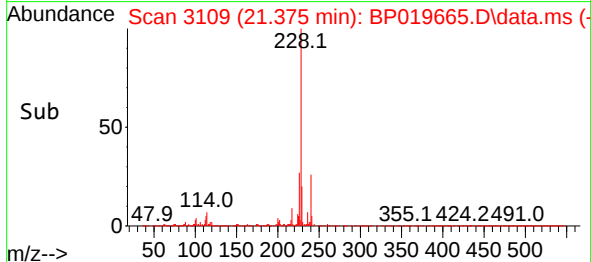
Instrument : BNA_P
ClientSampleId : ETGI-347DL



Tgt Ion:228 Resp: 636000
Ion Ratio Lower Upper
228 100
226 29.6 21.7 32.5
229 20.7 15.6 23.4

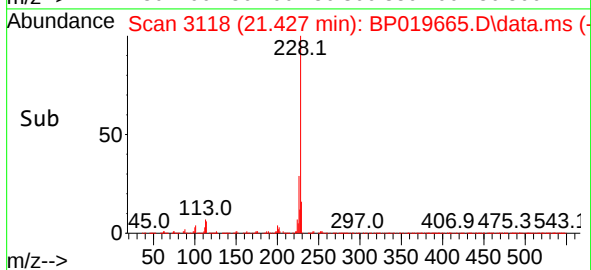
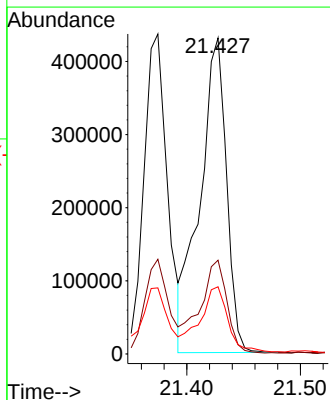
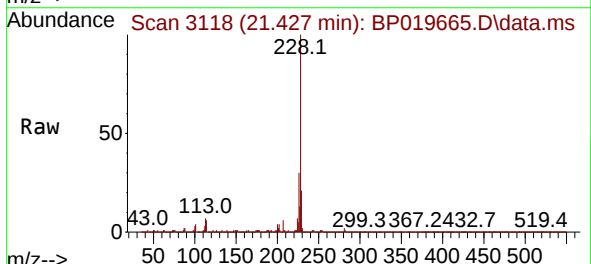
Manual Integrations
APPROVED

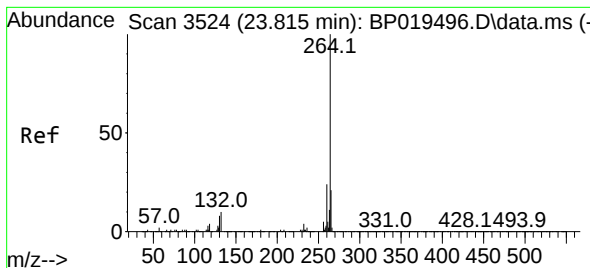
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#83
Chrysene
Concen: 22.888 ng
RT: 21.427 min Scan# 3118
Delta R.T. -0.006 min
Lab File: BP019665.D
Acq: 12 Feb 2024 16:28

Tgt Ion:228 Resp: 701892
Ion Ratio Lower Upper
228 100
226 29.7 23.4 35.2
229 21.3 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.810 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP019665.D

Acq: 12 Feb 2024 16:28

Instrument :

BNA_P

ClientSampleId :

ETGI-347DL

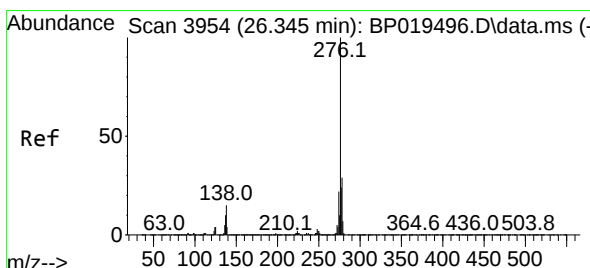
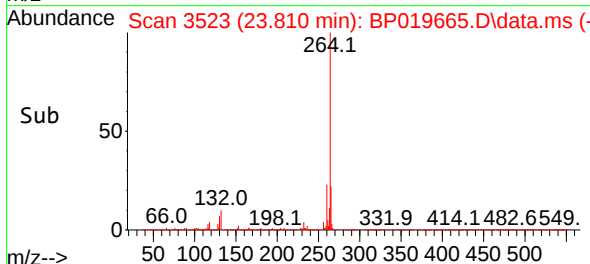
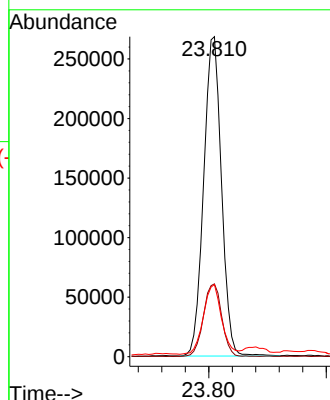
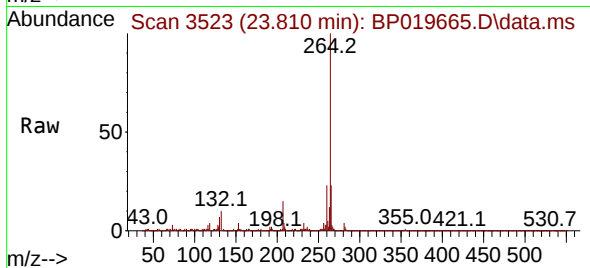
Tgt Ion:264	Resp: 56302
Ion Ratio	Lower Upper
264 100	
260 22.8	19.2 28.8
265 22.6	17.0 25.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/14/2024

Supervised By :mohammad ahmed 02/14/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.237 ng

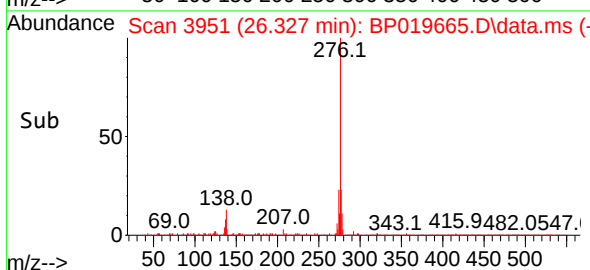
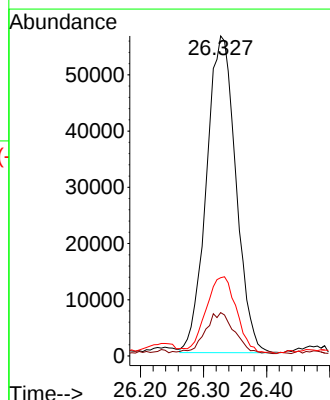
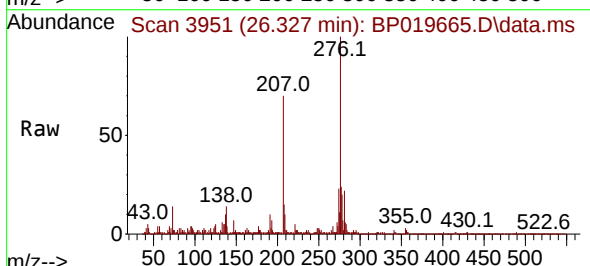
RT: 26.327 min Scan# 3951

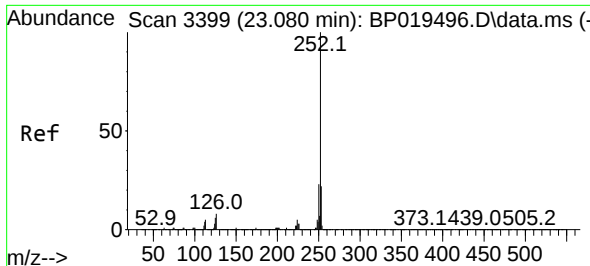
Delta R.T. -0.017 min

Lab File: BP019665.D

Acq: 12 Feb 2024 16:28

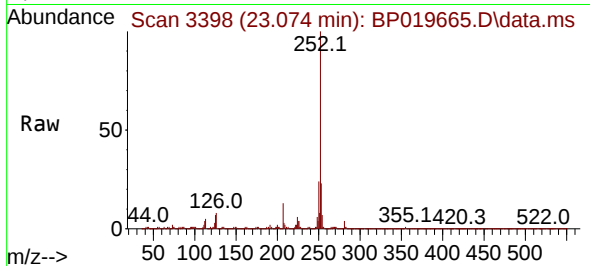
Tgt Ion:276	Resp: 182619
Ion Ratio	Lower Upper
276 100	
138 13.2	13.1 19.7
277 24.9	20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 20.484 ng
RT: 23.074 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP019665.D
Acq: 12 Feb 2024 16:28

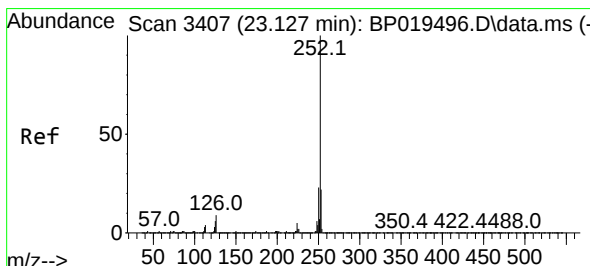
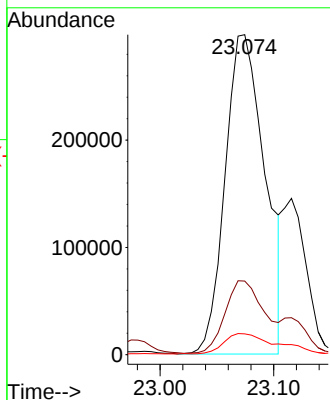
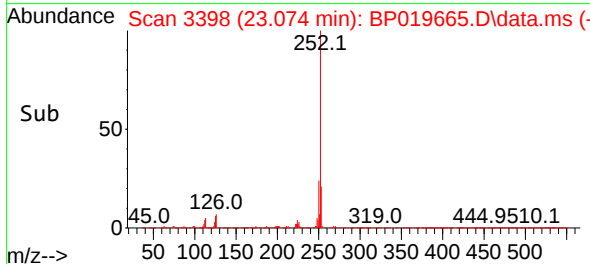
Instrument :
BNA_P
ClientSampleId :
ETGI-347DL



Tgt Ion:252 Resp: 726874
Ion Ratio Lower Upper
252 100
253 23.0 17.3 25.9
125 6.5 4.9 7.3

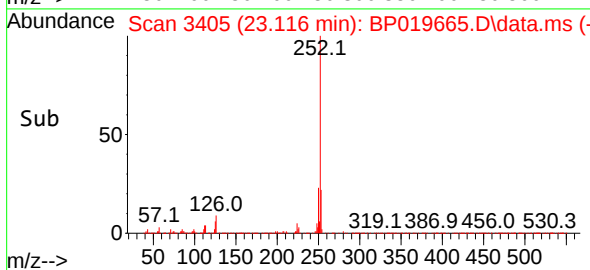
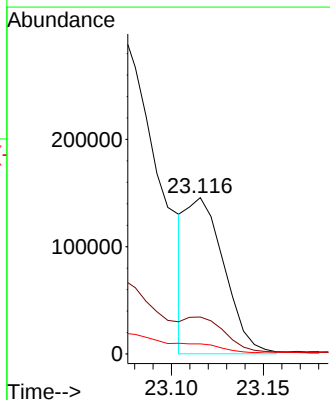
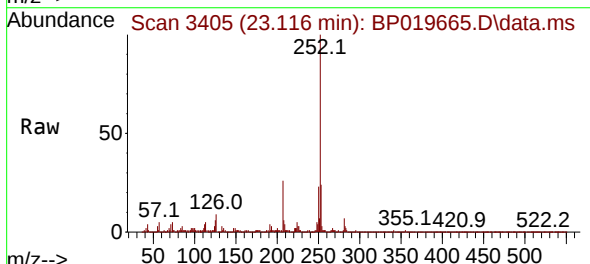
Manual Integrations
APPROVED

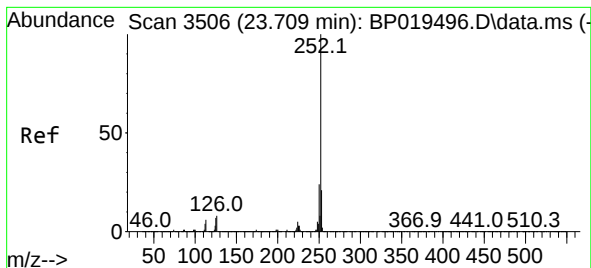
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#89
Benzo(k)fluoranthene
Concen: 6.144 ng m
RT: 23.116 min Scan# 3405
Delta R.T. -0.011 min
Lab File: BP019665.D
Acq: 12 Feb 2024 16:28

Tgt Ion:252 Resp: 208262
Ion Ratio Lower Upper
252 100
253 23.6 17.1 25.7
125 6.4 5.0 7.6





#90

Benzo(a)pyrene

Concen: 11.125 ng

RT: 23.698 min Scan# 3504

Delta R.T. -0.011 min

Lab File: BP019665.D

Acq: 12 Feb 2024 16:28

Instrument :

BNA_P

ClientSampleId :

ETGI-347DL

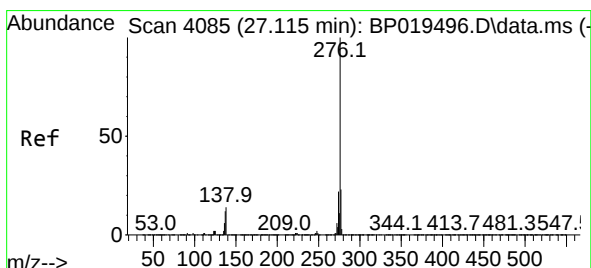
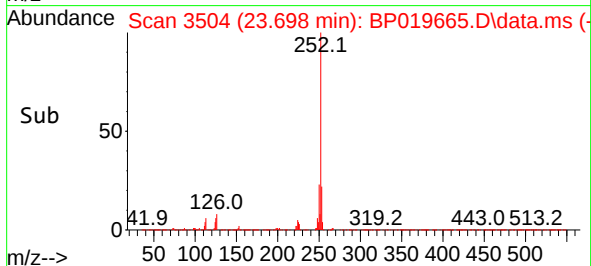
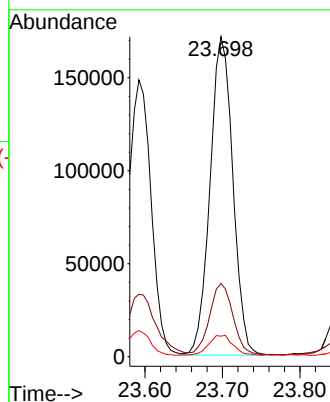
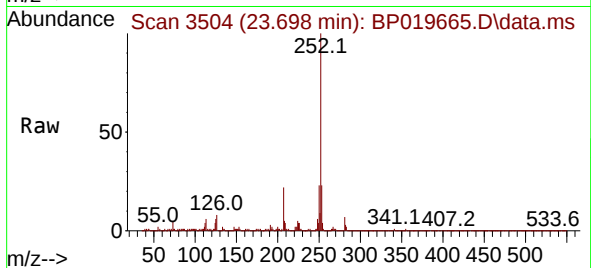
Tgt Ion:	252	Resp:	35124
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.1	25.7
125	6.4	5.6	8.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/14/2024

Supervised By :mohammad ahmed 02/14/2024



#92

Benzo(g,h,i)perylene

Concen: 4.358 ng

RT: 27.104 min Scan# 4083

Delta R.T. -0.011 min

Lab File: BP019665.D

Acq: 12 Feb 2024 16:28

Tgt Ion:	276	Resp:	156710
Ion Ratio	Lower	Upper	
276	100		
277	25.2	18.6	28.0
138	13.5	10.9	16.3

