

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022024\
 Data File : BP019795.D
 Acq On : 20 Feb 2024 20:25
 Operator : MA/JU
 Sample : P1514-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 ETGI-343

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/21/2024
 Supervised By :mohammad ahmed 02/21/2024

Quant Time: Feb 20 23:55:49 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 19 23:35:42 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.898	152	67409	20.000	ng	0.00
21) Naphthalene-d8	10.692	136	237590	20.000	ng	0.00
39) Acenaphthene-d10	14.533	164	163406	20.000	ng	0.00
64) Phenanthrene-d10	17.286	188	396018	20.000	ng	0.00
76) Chrysene-d12	21.380	240	444019	20.000	ng	#-0.01
86) Perylene-d12	23.798	264	501966	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	400214	95.701	ng	0.00
7) Phenol-d6	7.069	99	498222	88.357	ng	0.00
23) Nitrobenzene-d5	9.063	82	349023	63.654	ng	0.00
42) 2,4,6-Tribromophenol	16.027	330	313728	131.496	ng	0.00
45) 2-Fluorobiphenyl	13.157	172	799363	60.475	ng	0.00
79) Terphenyl-d14	19.857	244	1745362	64.644	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.327	178	244965	11.754	ng	99
72) Anthracene	17.421	178	50525	2.430	ng	97
75) Fluoranthene	19.298	202	628531	24.687	ng	99
78) Pyrene	19.651	202	547023	17.456	ng	98
81) Benzo(a)anthracene	21.362	228	356516	11.406	ng	99
83) Chrysene	21.415	228	344955	11.625	ng	98
87) Indeno(1,2,3-cd)pyrene	26.309	276	175178	4.559	ng	# 96
88) Benzo(b)fluoranthene	23.062	252	480814	15.198	ng	97
89) Benzo(k)fluoranthene	23.098	252	149225m	4.938	ng	
90) Benzo(a)pyrene	23.686	252	276138	9.810	ng	98
92) Benzo(g,h,i)perylene	27.092	276	159104	4.963	ng	98

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

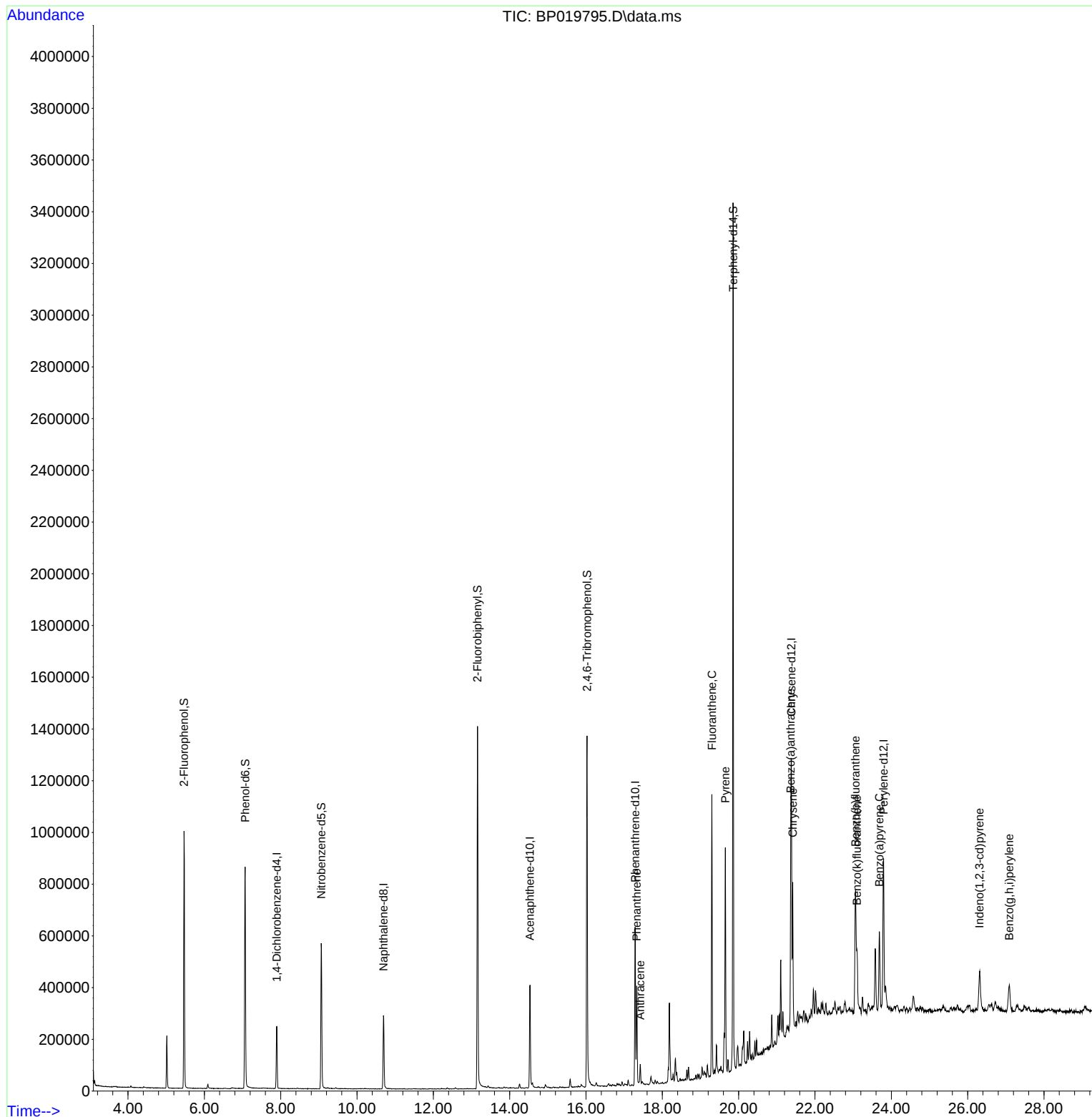
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Data File : BP019795.D
Acq On : 20 Feb 2024 20:25
Operator : MA/JU
Sample : P1514-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

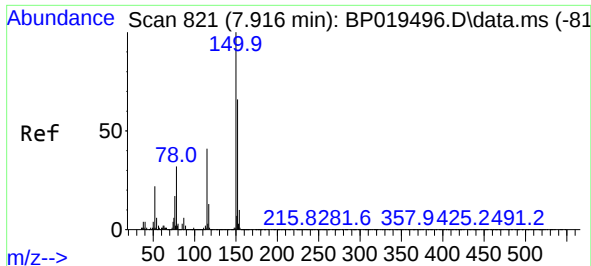
Instrument :
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ClientSampleId :
ETGI-343

Quant Time: Feb 20 23:55:49 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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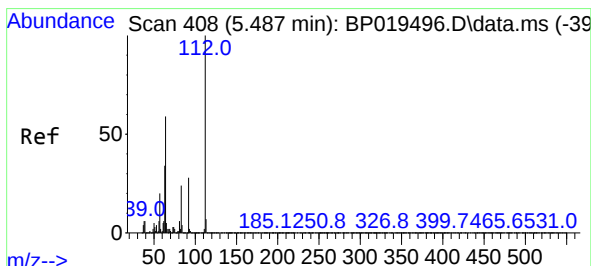
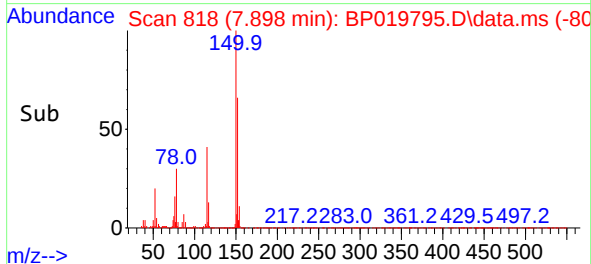
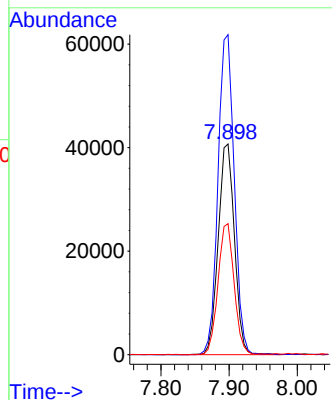
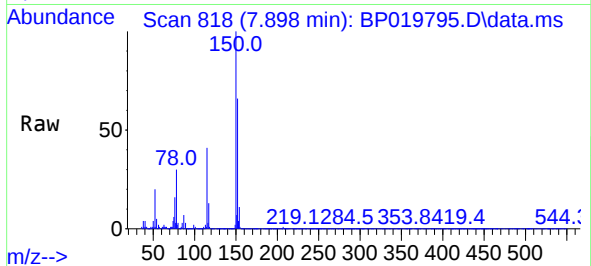
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.898 min Scan# 81
Delta R.T. -0.001 min
Lab File: BP019795.D
Acq: 20 Feb 2024 20:25

Instrument :
BNA_P
ClientSampleId :
ETGI-343

Tgt Ion:152 Resp: 67409
Ion Ratio Lower Upper
152 100
150 151.9 121.8 182.8
115 62.2 49.9 74.9

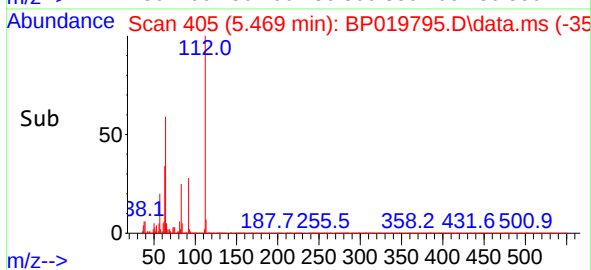
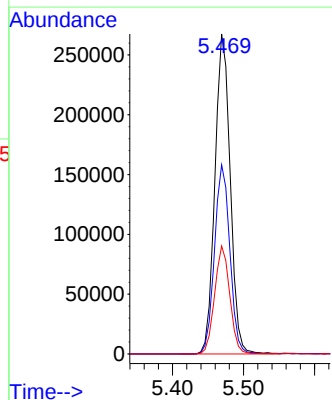
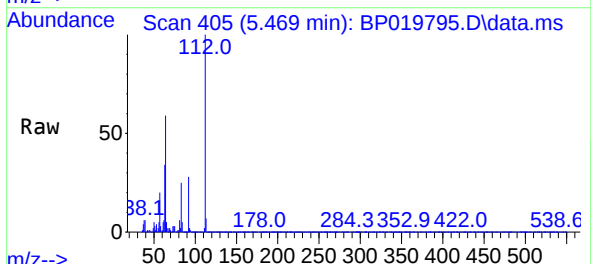
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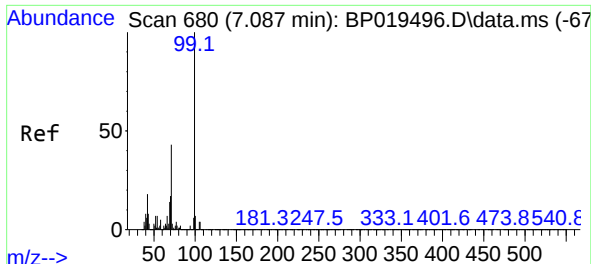
Reviewed By :Yogesh Patel 02/21/2024
Supervised By :mohammad ahmed 02/21/2024



#5
2-Fluorophenol
Concen: 95.701 ng
RT: 5.469 min Scan# 405
Delta R.T. -0.006 min
Lab File: BP019795.D
Acq: 20 Feb 2024 20:25

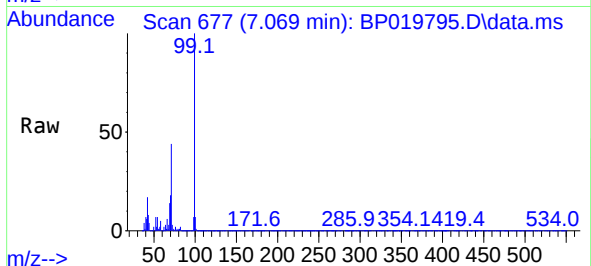
Tgt Ion:112 Resp: 400214
Ion Ratio Lower Upper
112 100
64 59.1 47.4 71.0
63 33.7 27.0 40.6





#7
Phenol-d6
Concen: 88.357 ng
RT: 7.069 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP019795.D
Acq: 20 Feb 2024 20:25

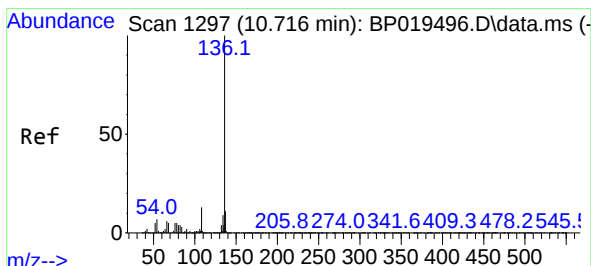
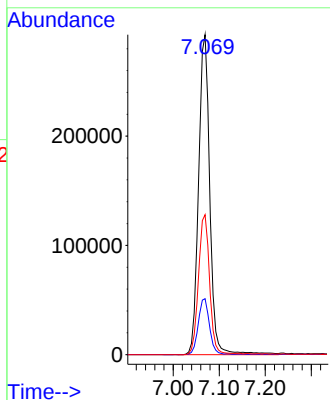
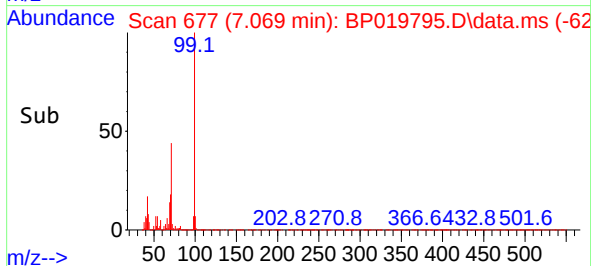
Instrument :
BNA_P
ClientSampleId :
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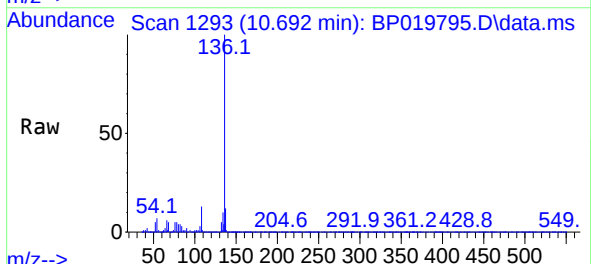
Tgt Ion: 99 Resp: 49822
Ion Ratio Lower Upper
99 100
42 17.5 14.7 22.1
71 43.8 34.8 52.2

Manual Integrations
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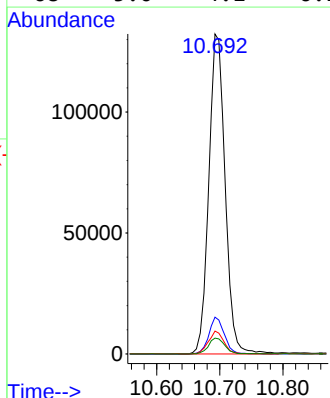
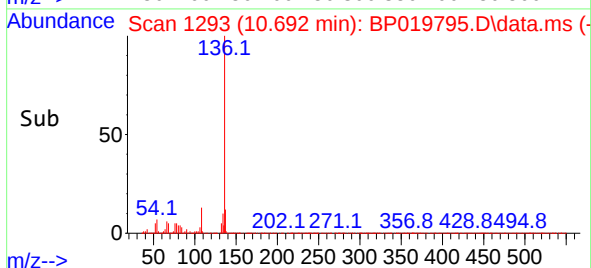
Reviewed By :Yogesh Patel 02/21/2024
Supervised By :mohammad ahmed 02/21/2024

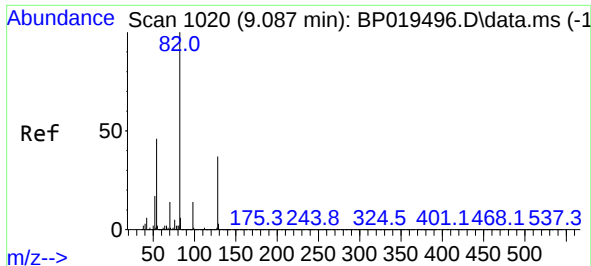


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.692 min Scan# 1293
Delta R.T. -0.006 min
Lab File: BP019795.D
Acq: 20 Feb 2024 20:25



Tgt Ion:136 Resp: 237590
Ion Ratio Lower Upper
136 100
137 11.5 8.8 13.2
54 7.1 5.3 7.9
68 5.0 4.1 6.1





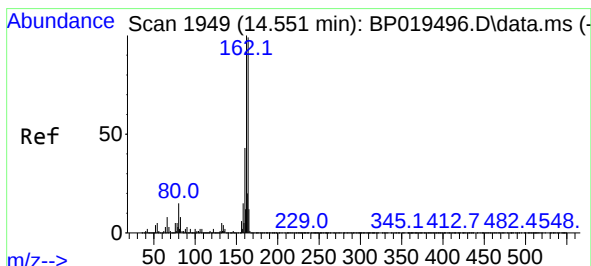
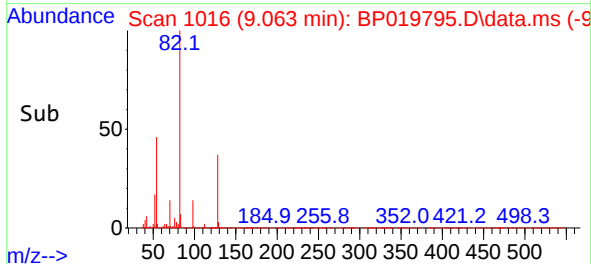
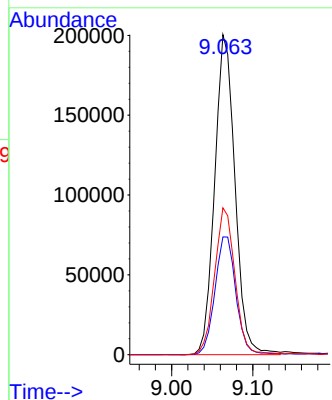
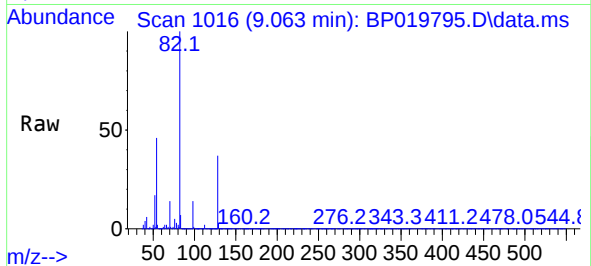
#23
Nitrobenzene-d5
Concen: 63.654 ng
RT: 9.063 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BP019795.D
Acq: 20 Feb 2024 20:25

Instrument :
BNA_P
ClientSampleId :
ETGI-343

Tgt Ion: 82 Resp: 34902
Ion Ratio Lower Upper
82 100
128 36.8 29.7 44.5
54 45.9 36.8 55.2

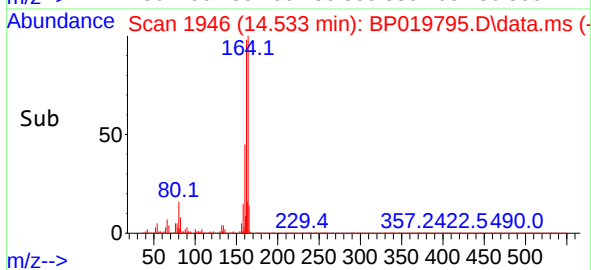
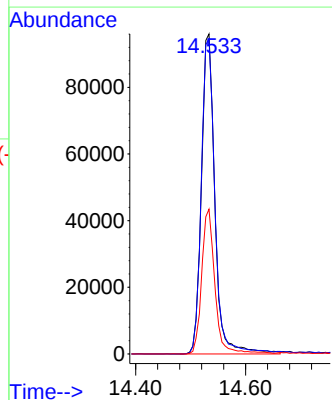
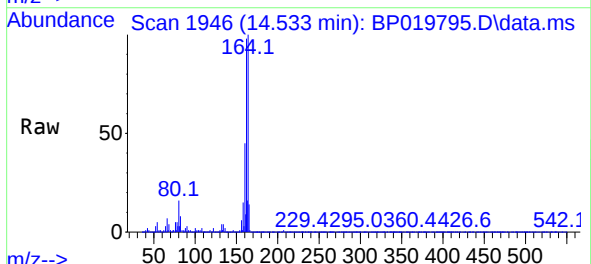
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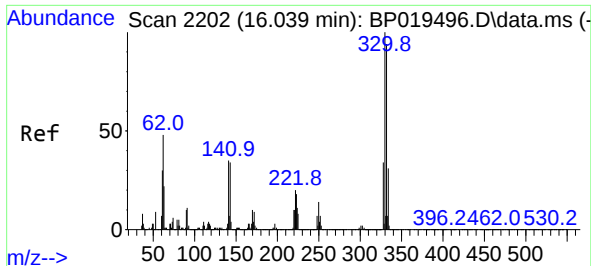
Reviewed By :Yogesh Patel 02/21/2024
Supervised By :mohammad ahmed 02/21/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.533 min Scan# 1946
Delta R.T. -0.006 min
Lab File: BP019795.D
Acq: 20 Feb 2024 20:25

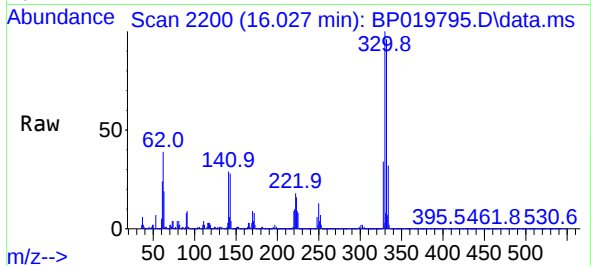
Tgt Ion:164 Resp: 163406
Ion Ratio Lower Upper
164 100
162 98.4 81.2 121.8
160 45.2 35.1 52.7





#42
2,4,6-Tribromophenol
Concen: 131.496 ng
RT: 16.027 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP019795.D
Acq: 20 Feb 2024 20:25

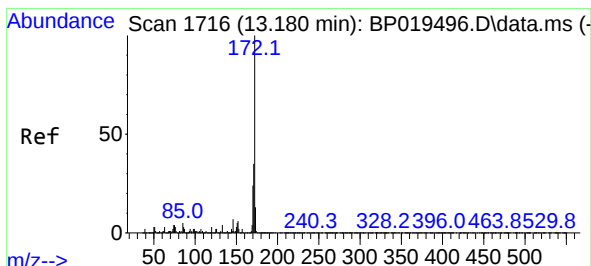
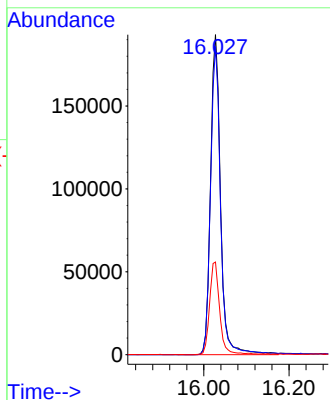
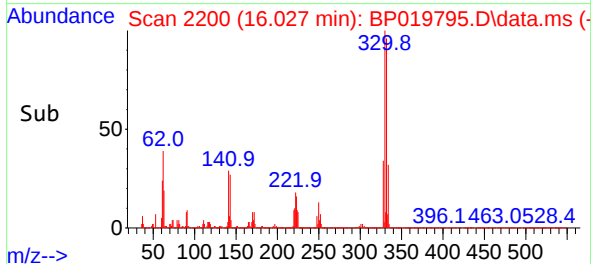
Instrument :
BNA_P
ClientSampleId :
ETGI-343



Tgt Ion:330 Resp: 313728
Ion Ratio Lower Upper
330 100
332 96.2 77.2 115.8
141 29.1 27.0 40.4

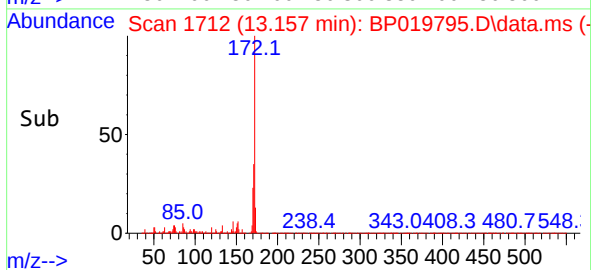
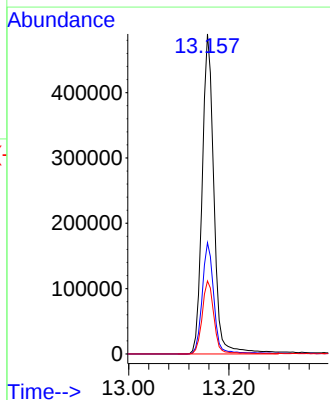
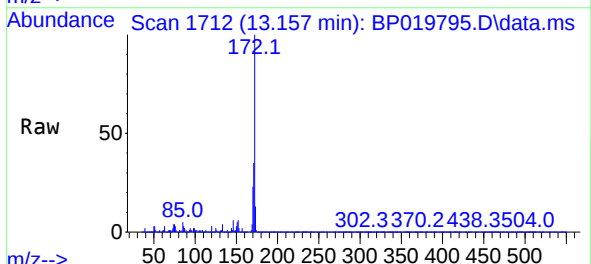
Manual Integrations
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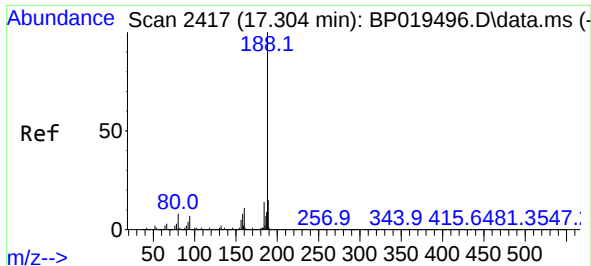
Reviewed By :Yogesh Patel 02/21/2024
Supervised By :mohammad ahmed 02/21/2024



#45
2-Fluorobiphenyl
Concen: 60.475 ng
RT: 13.157 min Scan# 1712
Delta R.T. -0.006 min
Lab File: BP019795.D
Acq: 20 Feb 2024 20:25

Tgt Ion:172 Resp: 799363
Ion Ratio Lower Upper
172 100
171 34.7 28.2 42.4
170 22.8 18.9 28.3





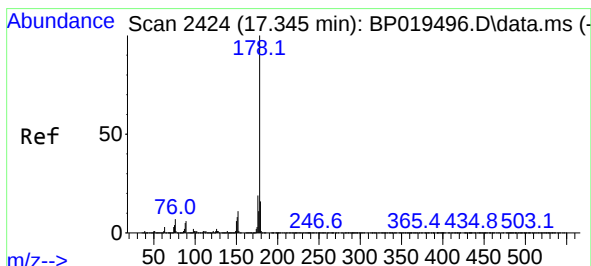
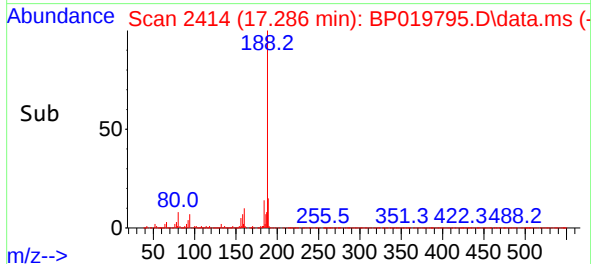
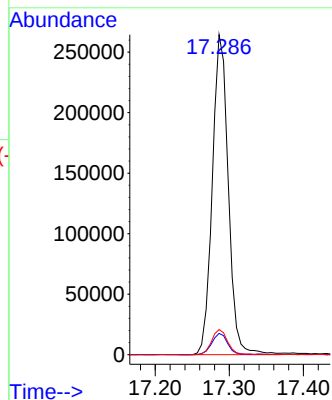
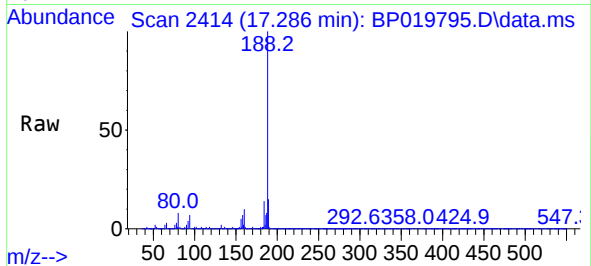
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.286 min Scan# 2414
Delta R.T. -0.006 min
Lab File: BP019795.D
Acq: 20 Feb 2024 20:25

Instrument :
BNA_P
ClientSampleId :
ETGI-343

Tgt Ion:188 Resp: 396018
Ion Ratio Lower Upper
188 100
94 6.7 5.4 8.2
80 7.9 6.3 9.5

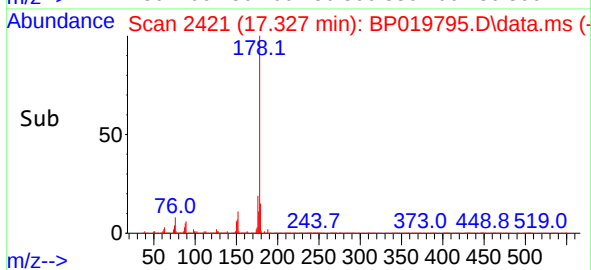
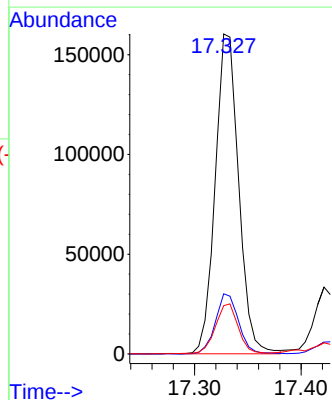
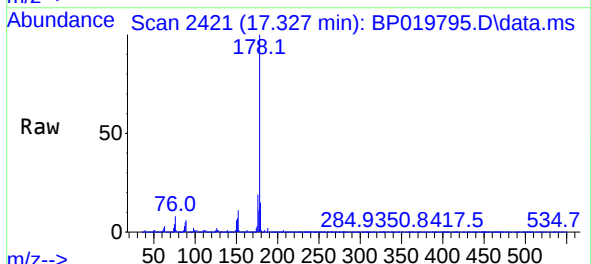
Manual Integrations
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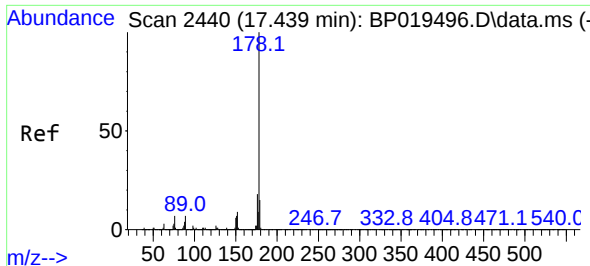
Reviewed By :Yogesh Patel 02/21/2024
Supervised By :mohammad ahmed 02/21/2024



#71
Phenanthrene
Concen: 11.754 ng
RT: 17.327 min Scan# 2421
Delta R.T. -0.012 min
Lab File: BP019795.D
Acq: 20 Feb 2024 20:25

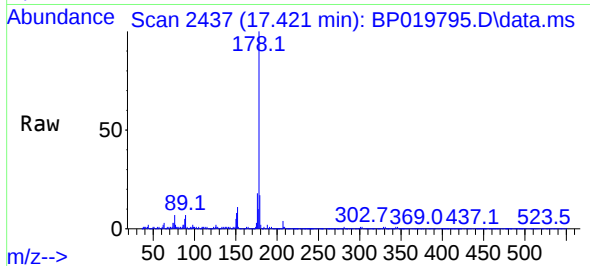
Tgt Ion:178 Resp: 244965
Ion Ratio Lower Upper
178 100
176 18.8 15.5 23.3
179 15.1 12.6 19.0





#72
Anthracene
Concen: 2.430 ng
RT: 17.421 min Scan# 2440
Delta R.T. -0.006 min
Lab File: BP019795.D
Acq: 20 Feb 2024 20:25

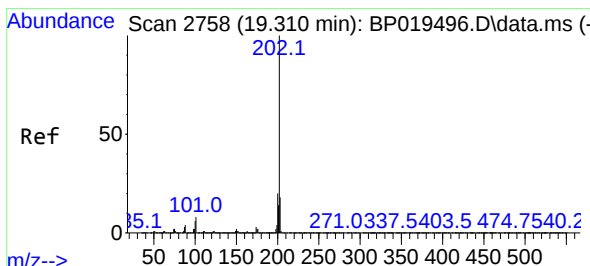
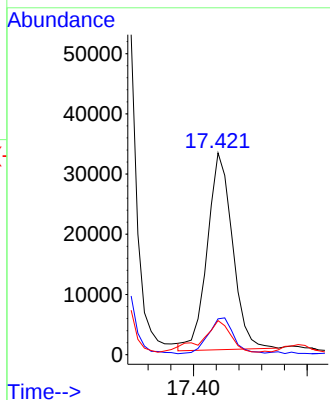
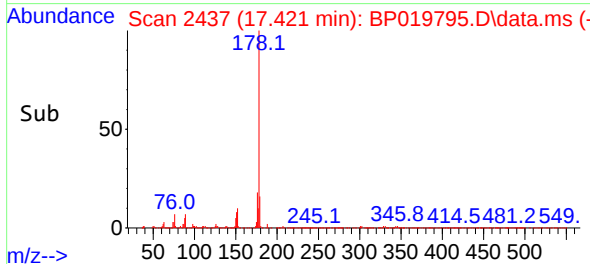
Instrument :
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ETGI-343



Tgt Ion:178 Resp: 50529
Ion Ratio Lower Upper
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176 17.8 14.7 22.1
179 16.9 12.2 18.2

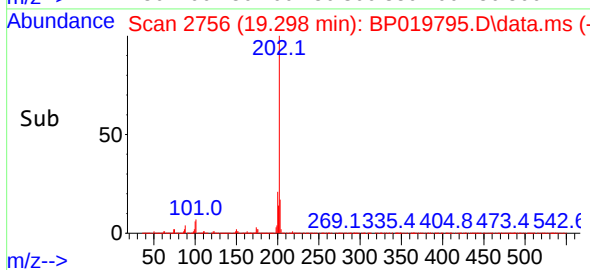
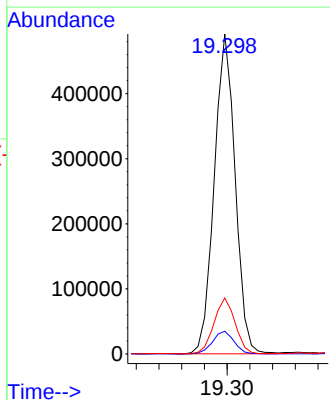
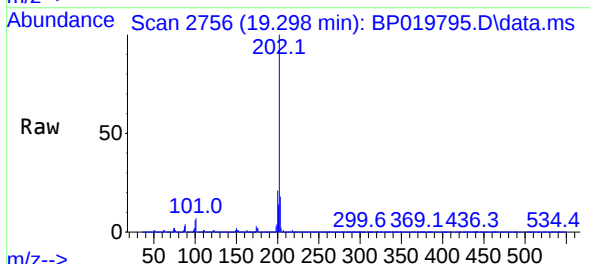
Manual Integrations
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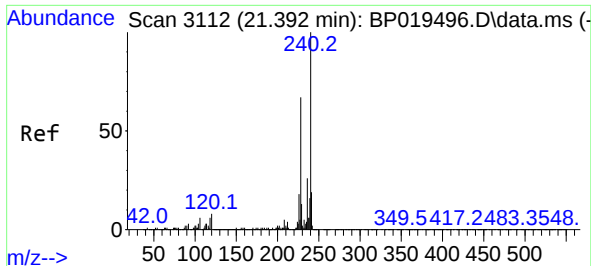
Reviewed By :Yogesh Patel 02/21/2024
Supervised By :mohammad ahmed 02/21/2024



#75
Fluoranthene
Concen: 24.687 ng
RT: 19.298 min Scan# 2756
Delta R.T. -0.006 min
Lab File: BP019795.D
Acq: 20 Feb 2024 20:25

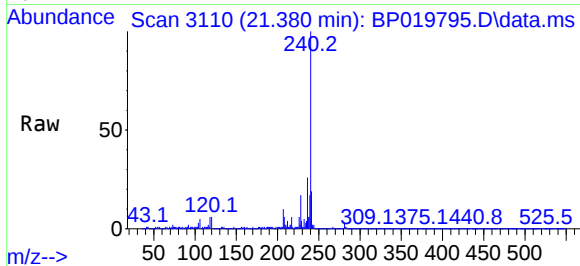
Tgt Ion:202 Resp: 628531
Ion Ratio Lower Upper
202 100
101 7.1 0.0 27.7
203 17.5 0.0 37.5





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.380 min Scan# 3112
Delta R.T. -0.012 min
Lab File: BP019795.D
Acq: 20 Feb 2024 20:25

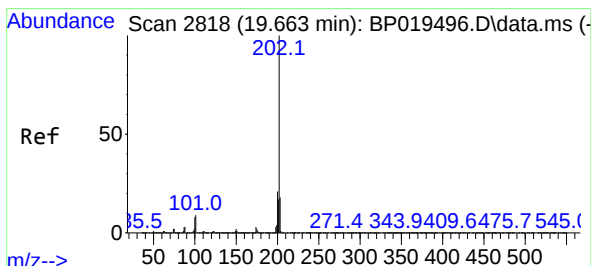
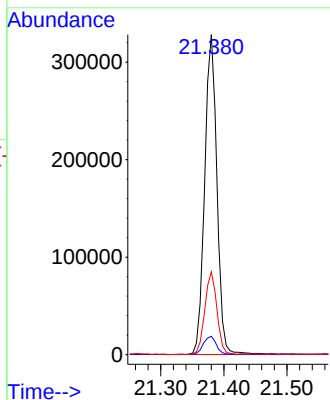
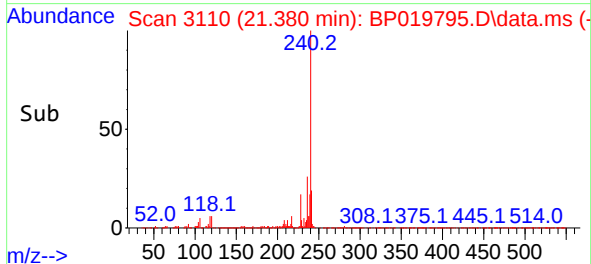
Instrument :
BNA_P
ClientSampleId :
ETGI-343



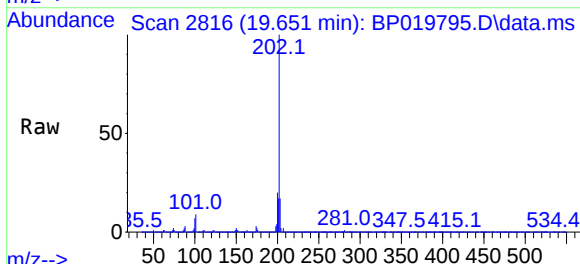
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Ion Ratio Lower Upper
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236 25.9 20.7 31.1

Manual Integrations
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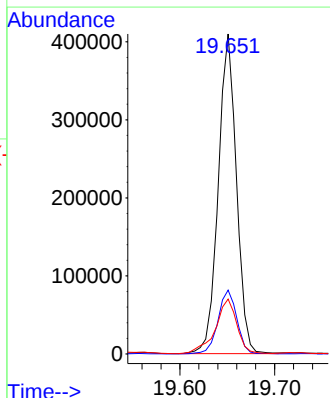
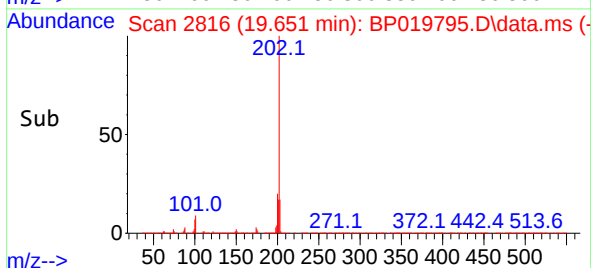
Reviewed By :Yogesh Patel 02/21/2024
Supervised By :mohammad ahmed 02/21/2024

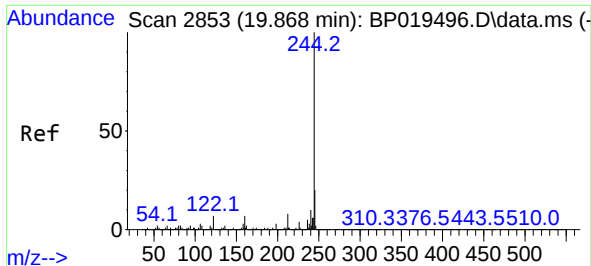


#78
Pyrene
Concen: 17.456 ng
RT: 19.651 min Scan# 2816
Delta R.T. -0.006 min
Lab File: BP019795.D
Acq: 20 Feb 2024 20:25



Tgt Ion:202 Resp: 547023
Ion Ratio Lower Upper
202 100
200 19.9 16.9 25.3
203 17.1 14.2 21.2





#79
 Terphenyl-d14
 Concen: 64.644 ng
 RT: 19.857 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BP019795.D
 Acq: 20 Feb 2024 20:25

Instrument :

BNA_P

ClientSampleId :

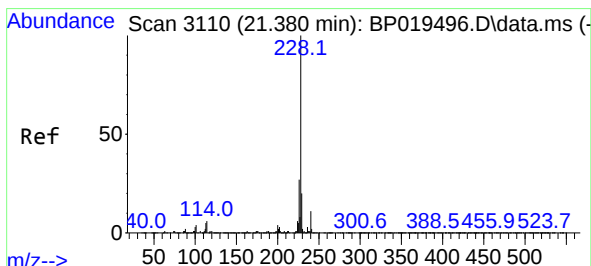
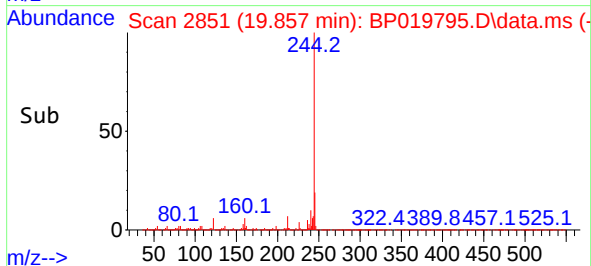
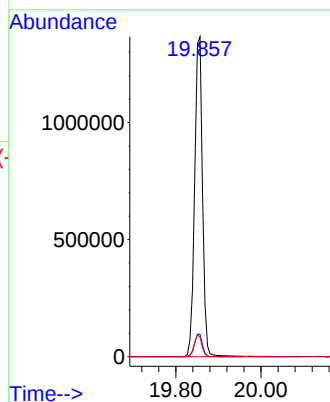
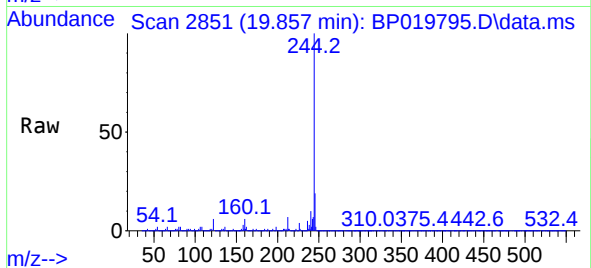
ETGI-343

Tgt Ion:244 Resp: 174536
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.1 9.1
 122 6.1 5.9 8.9

Manual Integrations

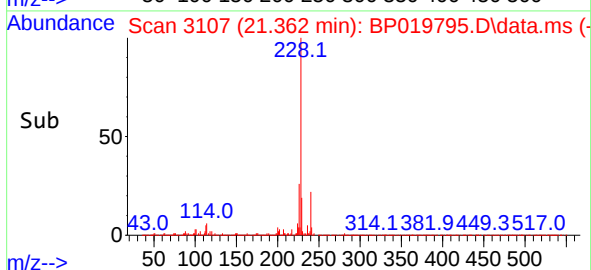
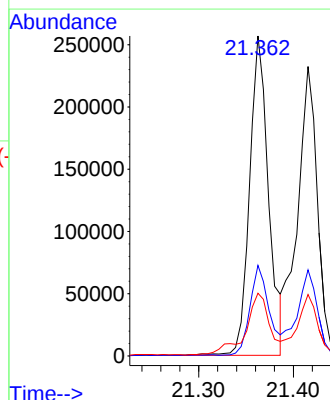
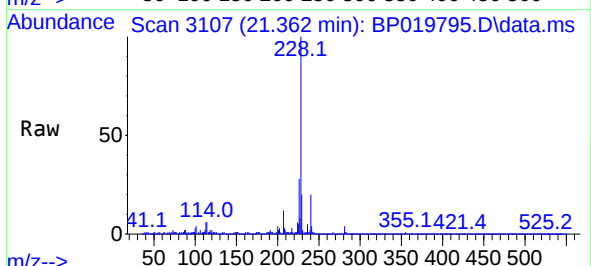
APPROVED

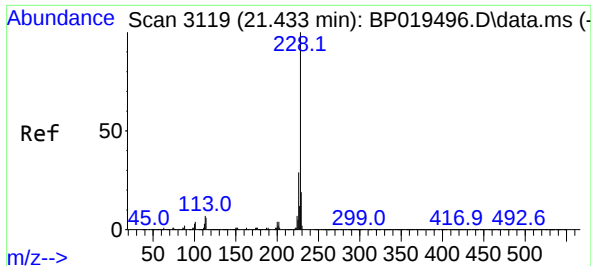
Reviewed By :Yogesh Patel 02/21/2024
 Supervised By :mohammad ahmed 02/21/2024



#81
 Benzo(a)anthracene
 Concen: 11.406 ng
 RT: 21.362 min Scan# 3107
 Delta R.T. -0.012 min
 Lab File: BP019795.D
 Acq: 20 Feb 2024 20:25

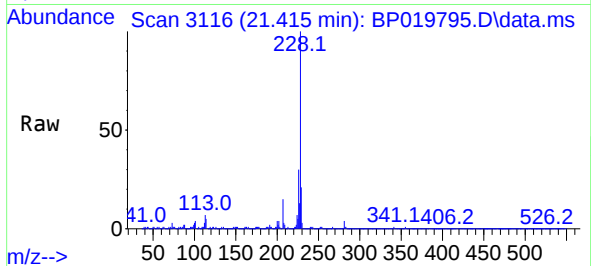
Tgt Ion:228 Resp: 356516
 Ion Ratio Lower Upper
 228 100
 226 28.3 21.7 32.5
 229 19.6 15.6 23.4





#83
Chrysene
Concen: 11.625 ng
RT: 21.415 min Scan# 3119
Delta R.T. -0.012 min
Lab File: BP019795.D
Acq: 20 Feb 2024 20:25

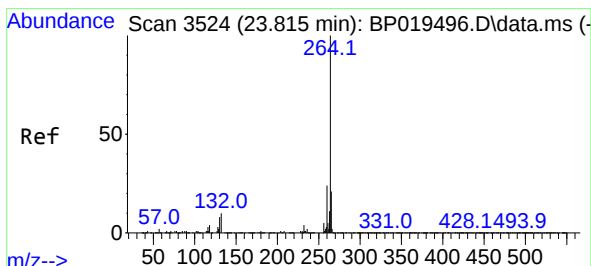
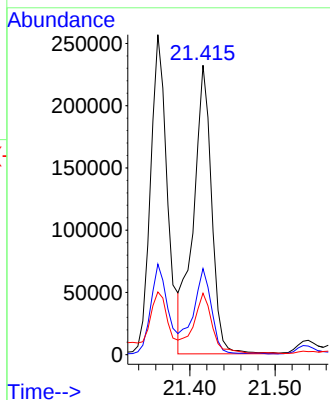
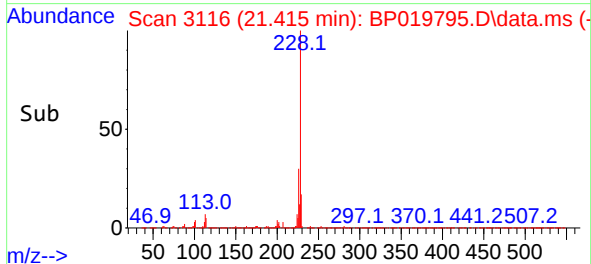
Instrument :
BNA_P
ClientSampleId :
ETGI-343



Tgt Ion:228 Resp: 34495
Ion Ratio Lower Upper
228 100
226 29.8 23.4 35.2
229 21.2 15.6 23.4

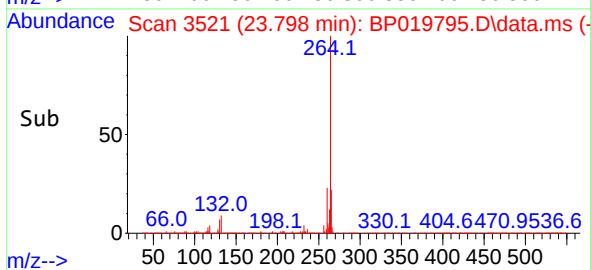
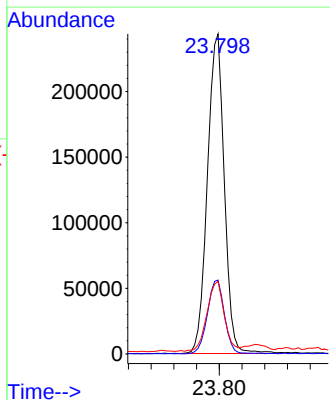
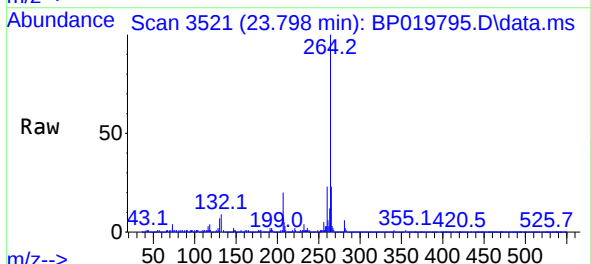
Manual Integrations
APPROVED

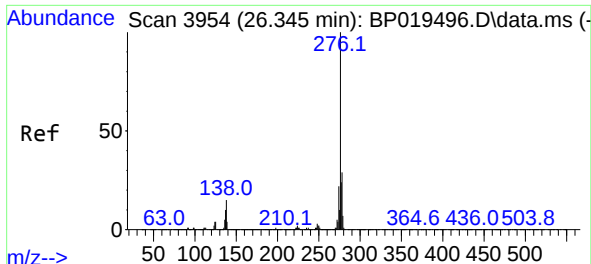
Reviewed By :Yogesh Patel 02/21/2024
Supervised By :mohammad ahmed 02/21/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.798 min Scan# 3521
Delta R.T. -0.012 min
Lab File: BP019795.D
Acq: 20 Feb 2024 20:25

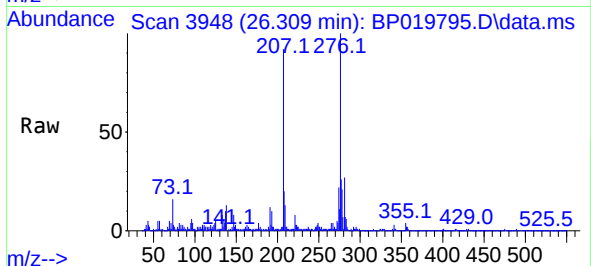
Tgt Ion:264 Resp: 501966
Ion Ratio Lower Upper
264 100
260 23.1 19.2 28.8
265 22.7 17.0 25.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 4.559 ng
RT: 26.309 min Scan# 3948
Delta R.T. -0.035 min
Lab File: BP019795.D
Acq: 20 Feb 2024 20:25

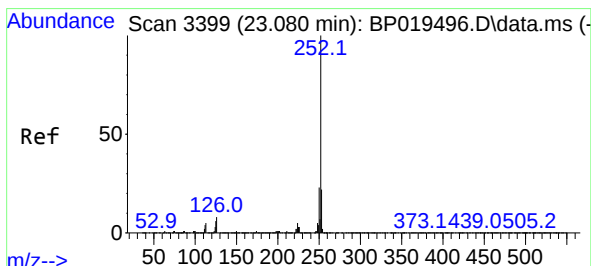
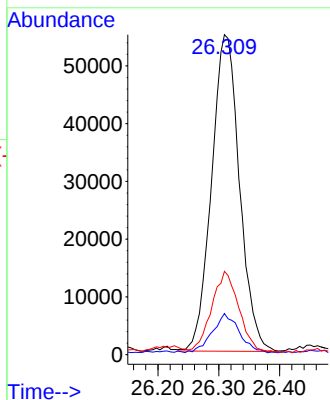
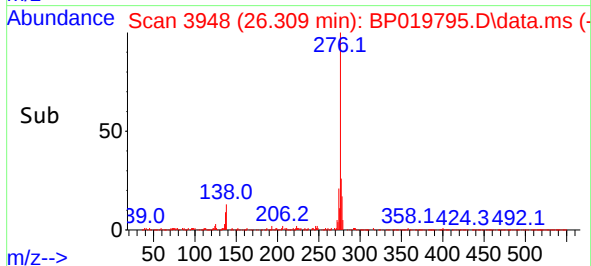
Instrument :
BNA_P
ClientSampleId :
ETGI-343



Tgt Ion:276 Resp: 175178
Ion Ratio Lower Upper
276 100
138 12.1 13.1 19.7
277 25.2 20.3 30.5

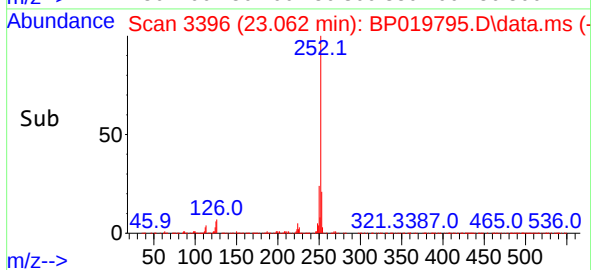
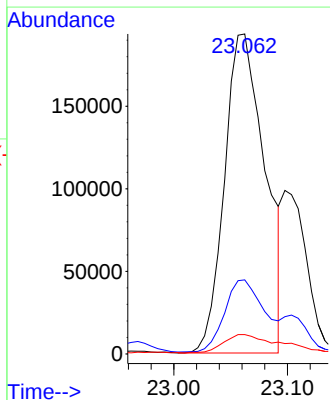
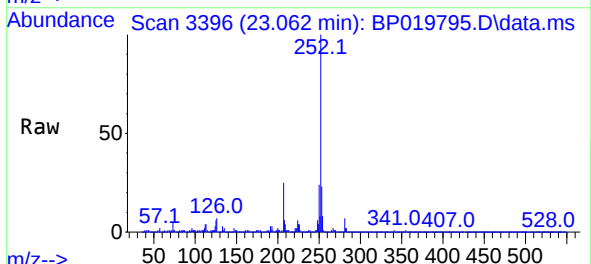
Manual Integrations
APPROVED

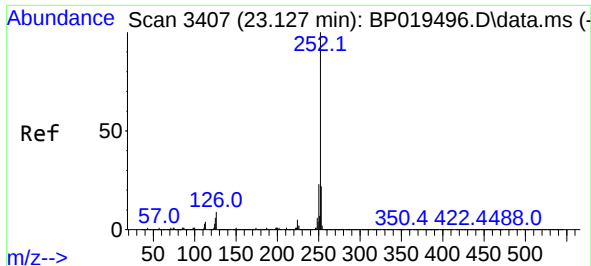
Reviewed By :Yogesh Patel 02/21/2024
Supervised By :mohammad ahmed 02/21/2024



#88
Benzo(b)fluoranthene
Concen: 15.198 ng
RT: 23.062 min Scan# 3396
Delta R.T. -0.012 min
Lab File: BP019795.D
Acq: 20 Feb 2024 20:25

Tgt Ion:252 Resp: 480814
Ion Ratio Lower Upper
252 100
253 23.2 17.3 25.9
125 6.1 4.9 7.3





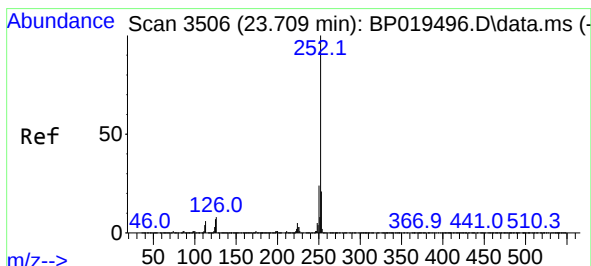
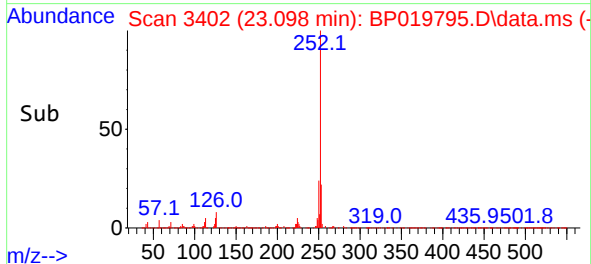
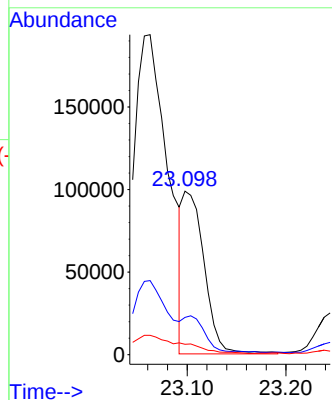
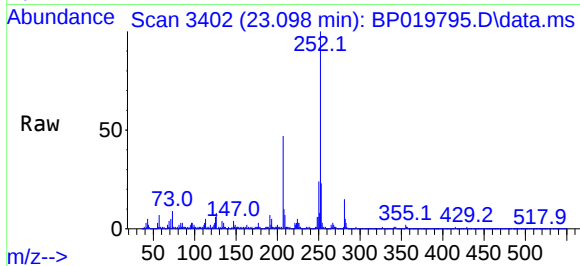
#89
Benzo(k)fluoranthene
Concen: 4.938 ng m
RT: 23.098 min Scan# 3407
Delta R.T. -0.024 min
Lab File: BP019795.D
Acq: 20 Feb 2024 20:25

Instrument :
BNA_P
ClientSampleId :
ETGI-343

Tgt Ion:252 Resp: 149225
Ion Ratio Lower Upper
252 100
253 22.8 17.1 25.7
125 6.4 5.0 7.6

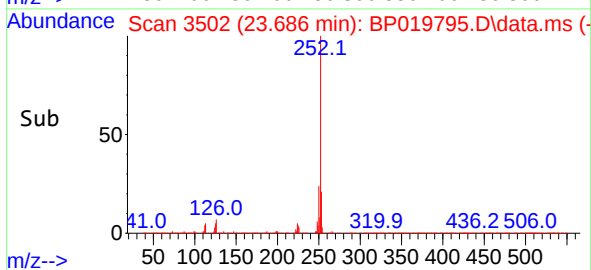
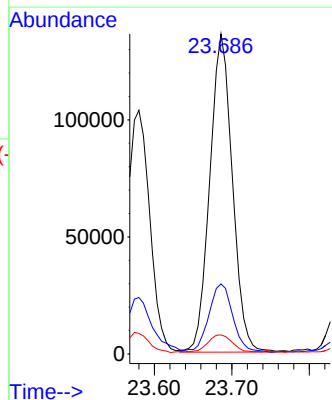
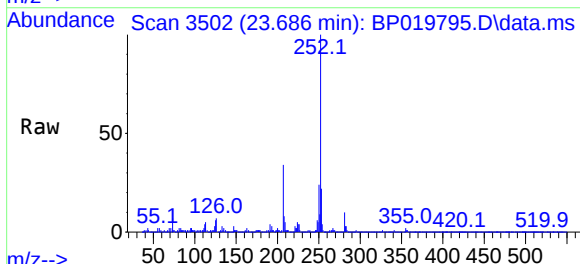
Manual Integrations
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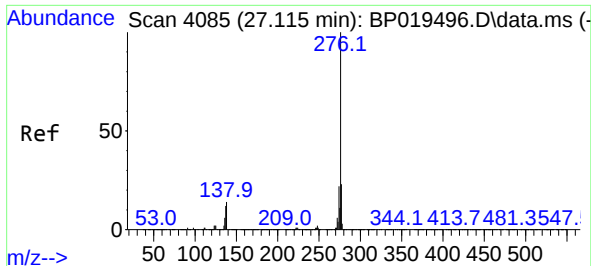
Reviewed By :Yogesh Patel 02/21/2024
Supervised By :mohammad ahmed 02/21/2024



#90
Benzo(a)pyrene
Concen: 9.810 ng
RT: 23.686 min Scan# 3502
Delta R.T. -0.018 min
Lab File: BP019795.D
Acq: 20 Feb 2024 20:25

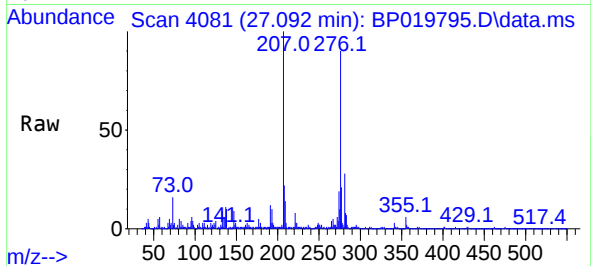
Tgt Ion:252 Resp: 276138
Ion Ratio Lower Upper
252 100
253 21.9 17.1 25.7
125 5.9 5.6 8.4





#92
Benzo(g,h,i)perylene
Concen: 4.963 ng
RT: 27.092 min Scan# 4081
Delta R.T. -0.030 min
Lab File: BP019795.D
Acq: 20 Feb 2024 20:25

Instrument :
BNA_P
ClientSampleId :
ETGI-343



Tgt Ion: 276 Resp: 159104
Ion Ratio Lower Upper
276 100
277 23.2 18.6 28.0
138 11.1 10.9 16.3

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/21/2024
Supervised By :mohammad ahmed 02/21/2024

