

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022324\
 Data File : BP019848.D
 Acq On : 23 Feb 2024 17:48
 Operator : MA/JU
 Sample : P1537-12
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 12

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/27/2024
 Supervised By :mohammad ahmed 02/27/2024

Quant Time: Feb 24 00:01:57 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 23 13:10:49 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.905	152	75476	20.000	ng	0.00
21) Naphthalene-d8	10.705	136	288212	20.000	ng	0.00
39) Acenaphthene-d10	14.545	164	195144	20.000	ng	0.00
64) Phenanthrene-d10	17.310	188	447040	20.000	ng	0.00
76) Chrysene-d12	21.416	240	437354	20.000	ng	#-0.01
86) Perylene-d12	23.857	264	518807	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	484565	103.487	ng	0.00
7) Phenol-d6	7.081	99	627865	99.448	ng	0.00
23) Nitrobenzene-d5	9.075	82	422180	63.473	ng	0.00
42) 2,4,6-Tribromophenol	16.045	330	369883	129.818	ng	0.00
45) 2-Fluorobiphenyl	13.169	172	973009	61.640	ng	0.00
79) Terphenyl-d14	19.881	244	1772460	66.648	ng	-0.01
Target Compounds						Qvalue
49) Acenaphthylene	14.269	152	63156	3.521	ng	98
71) Phenanthrene	17.351	178	321737	13.676	ng	99
72) Anthracene	17.439	178	160149	6.824	ng	99
75) Fluoranthene	19.328	202	1131418	39.368	ng	99
78) Pyrene	19.680	202	1056785	34.237	ng	99
81) Benzo(a)anthracene	21.398	228	683449	22.200	ng	98
83) Chrysene	21.457	228	580893m	19.874	ng	
87) Indeno(1,2,3-cd)pyrene	26.398	276	417399	10.510	ng	# 96
88) Benzo(b)fluoranthene	23.116	252	836869	25.594	ng	98
89) Benzo(k)fluoranthene	23.157	252	268223m	8.587	ng	
90) Benzo(a)pyrene	23.745	252	648966	22.306	ng	96
91) Dibenzo(a,h)anthracene	26.415	278	113738m	3.482	ng	
92) Benzo(g,h,i)perylene	27.192	276	411037	12.405	ng	96

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

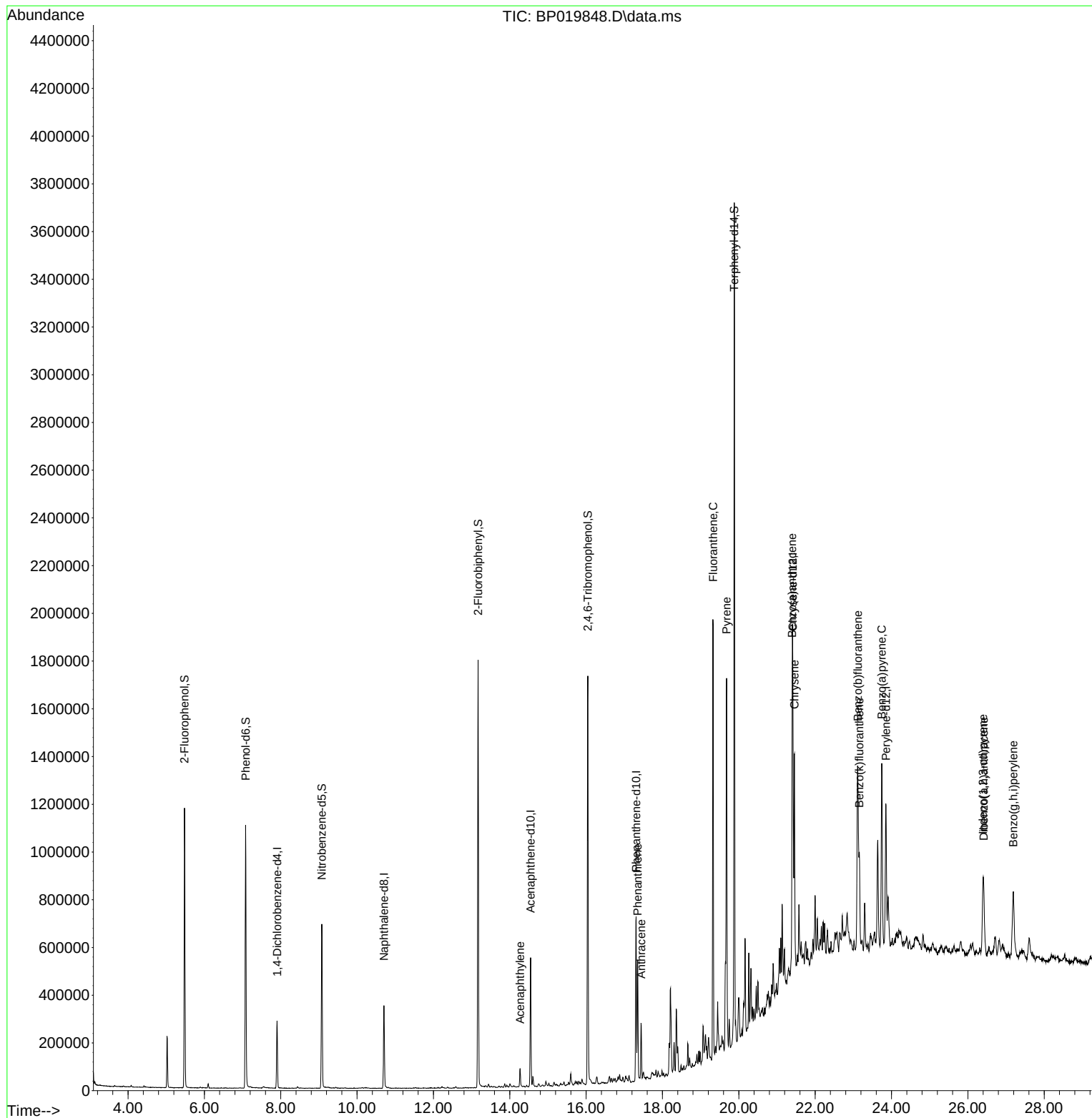
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022324\
Data File : BP019848.D
Acq On : 23 Feb 2024 17:48
Operator : MA/JU
Sample : P1537-12
Misc :
ALS Vial : 12 Sample Multiplier: 1

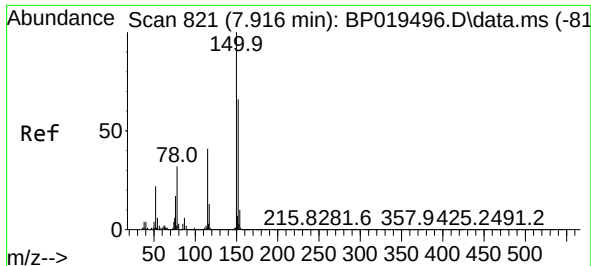
Instrument :
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ClientSampleId :
12

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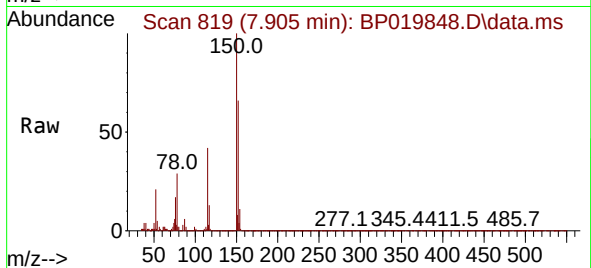
Quant Time: Feb 24 00:01:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 23 13:10:49 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.905 min Scan# 81
Delta R.T. 0.006 min
Lab File: BP019848.D
Acq: 23 Feb 2024 17:48

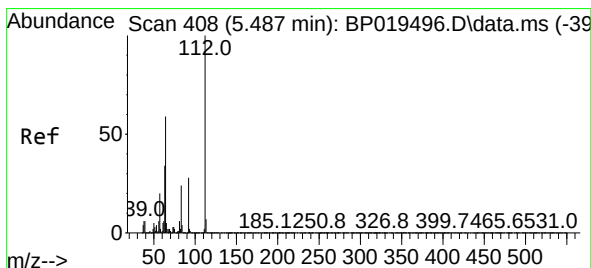
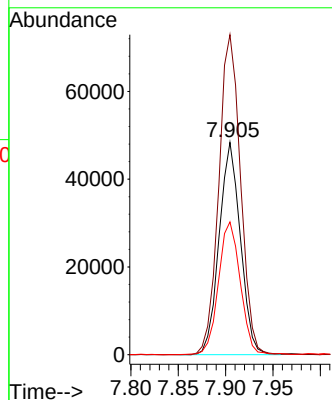
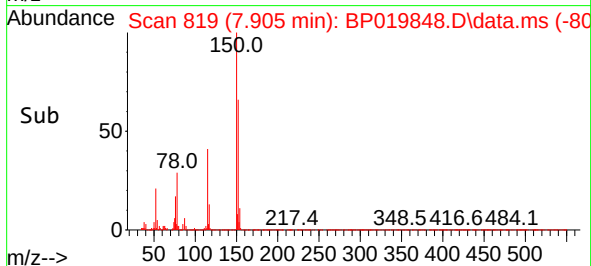
Instrument :
BNA_P
ClientSampleId :
12



Tgt Ion:152 Resp: 75470
Ion Ratio Lower Upper
152 100
150 150.7 121.8 182.8
115 62.5 49.9 74.9

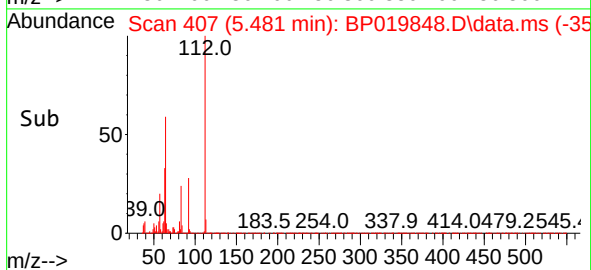
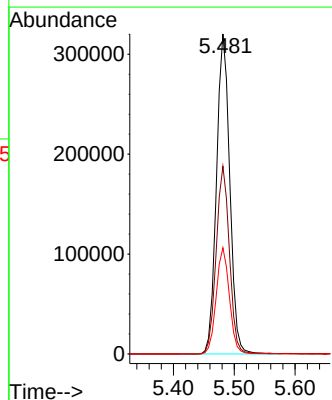
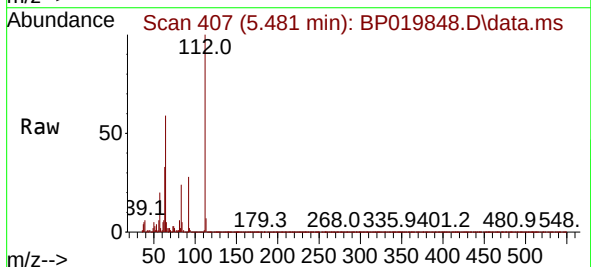
Manual Integrations
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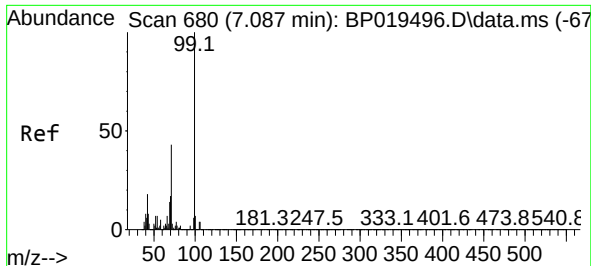
Reviewed By :Yogesh Patel 02/27/2024
Supervised By :mohammad ahmed 02/27/2024



#5
2-Fluorophenol
Concen: 103.487 ng
RT: 5.481 min Scan# 407
Delta R.T. 0.006 min
Lab File: BP019848.D
Acq: 23 Feb 2024 17:48

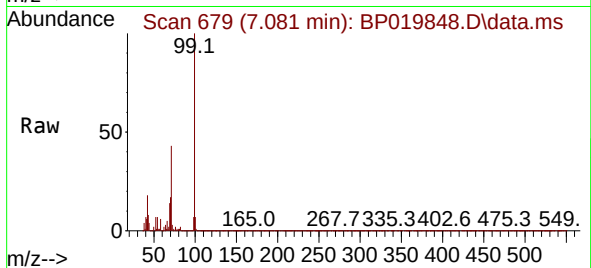
Tgt Ion:112 Resp: 484565
Ion Ratio Lower Upper
112 100
64 58.6 47.4 71.0
63 33.2 27.0 40.6





#7
Phenol-d6
Concen: 99.448 ng
RT: 7.081 min Scan# 612
Delta R.T. 0.006 min
Lab File: BP019848.D
Acq: 23 Feb 2024 17:48

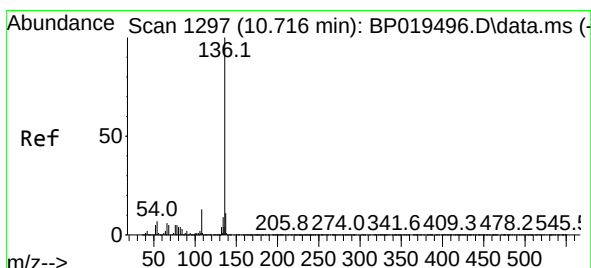
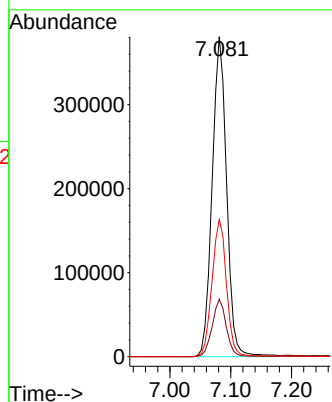
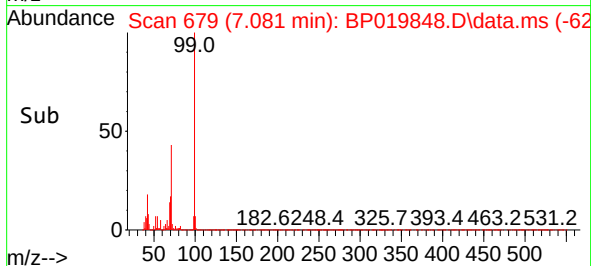
Instrument :
BNA_P
ClientSampleId :
12



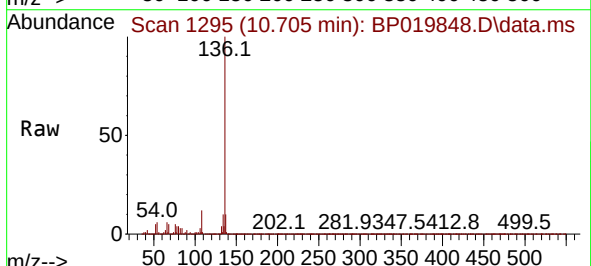
Tgt Ion: 99 Resp: 62786
Ion Ratio Lower Upper
99 100
42 17.9 14.7 22.1
71 42.8 34.8 52.2

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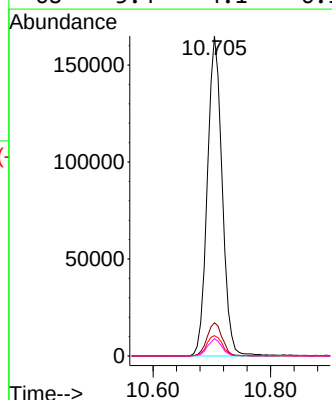
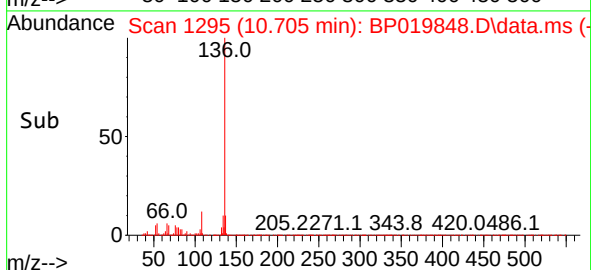
Reviewed By :Yogesh Patel 02/27/2024
Supervised By :mohammad ahmed 02/27/2024

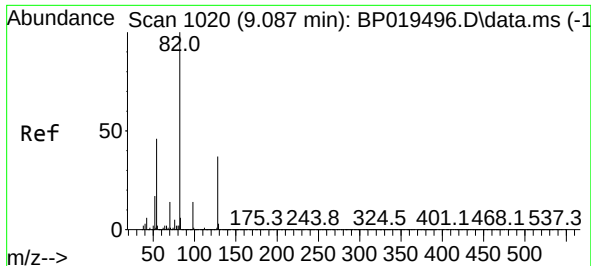


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.705 min Scan# 1295
Delta R.T. -0.000 min
Lab File: BP019848.D
Acq: 23 Feb 2024 17:48



Tgt Ion:136 Resp: 288212
Ion Ratio Lower Upper
136 100
137 10.4 8.8 13.2
54 6.3 5.3 7.9
68 5.4 4.1 6.1





#23

Nitrobenzene-d5

Concen: 63.473 ng

RT: 9.075 min Scan# 1018

Delta R.T. -0.000 min

Lab File: BP019848.D

Acq: 23 Feb 2024 17:48

Instrument :

BNA_P

ClientSampleId :

12

Tgt Ion: 82 Resp: 422180

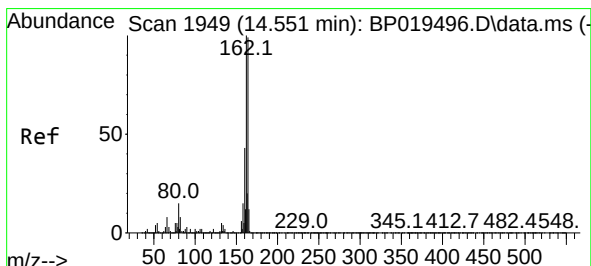
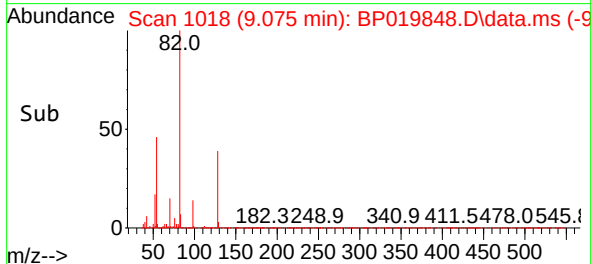
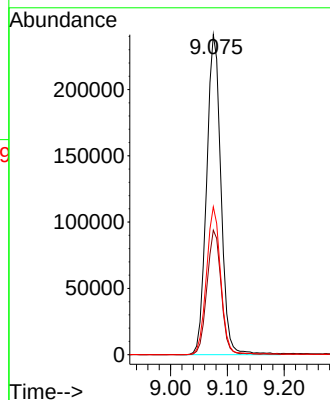
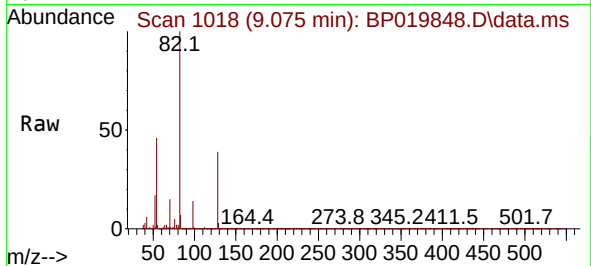
Ion	Ratio	Lower	Upper
82	100		
128	38.9	29.7	44.5
54	46.2	36.8	55.2

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.545 min Scan# 1948

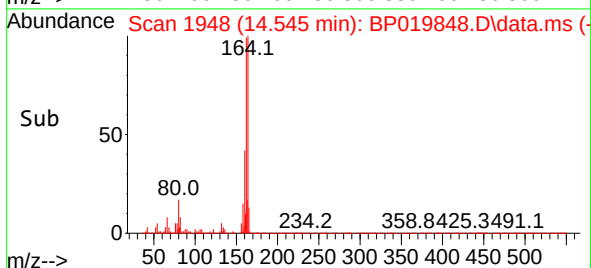
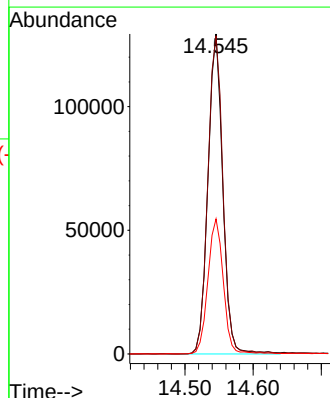
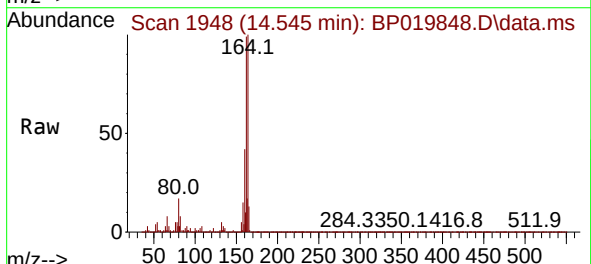
Delta R.T. -0.000 min

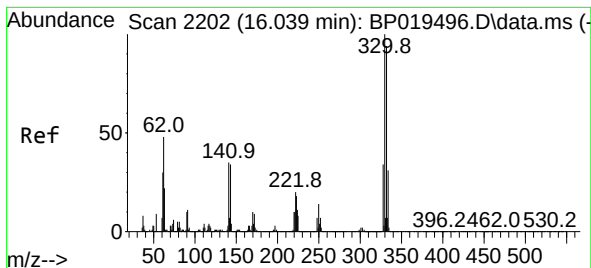
Lab File: BP019848.D

Acq: 23 Feb 2024 17:48

Tgt Ion:164 Resp: 195144

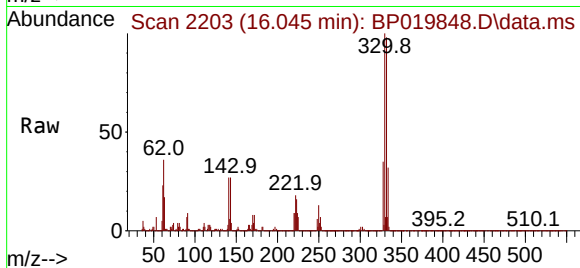
Ion	Ratio	Lower	Upper
164	100		
162	99.5	81.2	121.8
160	42.2	35.1	52.7





#42
2,4,6-Tribromophenol
Concen: 129.818 ng
RT: 16.045 min Scan# 2112
Delta R.T. -0.000 min
Lab File: BP019848.D
Acq: 23 Feb 2024 17:48

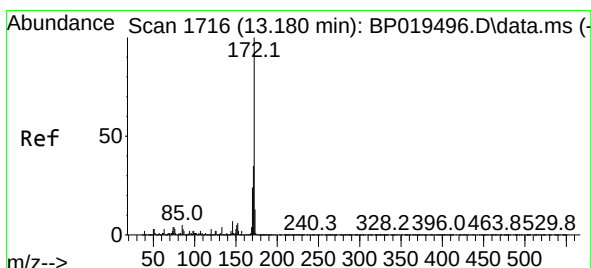
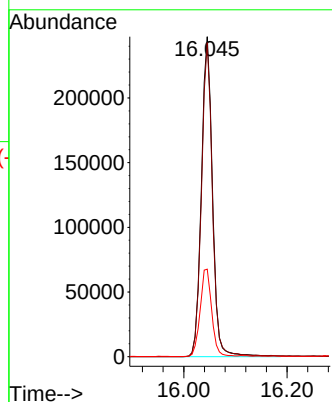
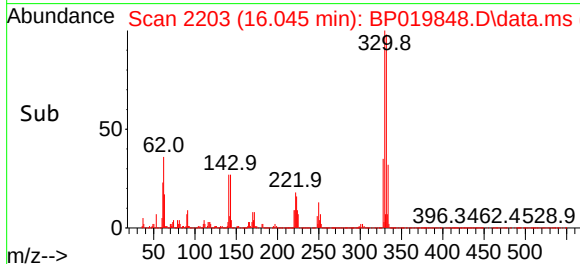
Instrument :
BNA_P
ClientSampleId :
12



Tgt Ion:330 Resp: 36988
Ion Ratio Lower Upper
330 100
332 96.2 77.2 115.8
141 28.5 27.0 40.4

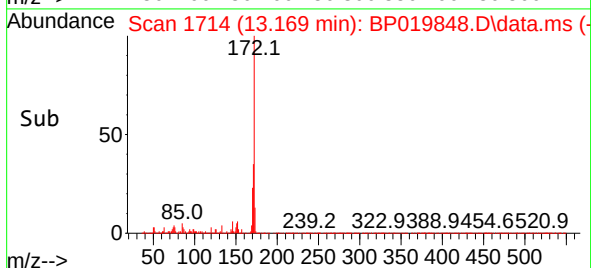
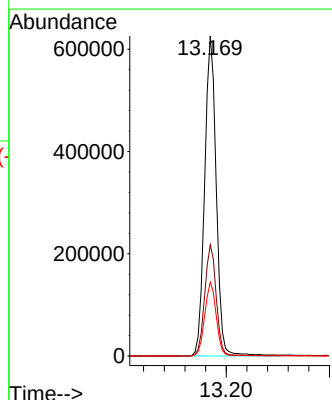
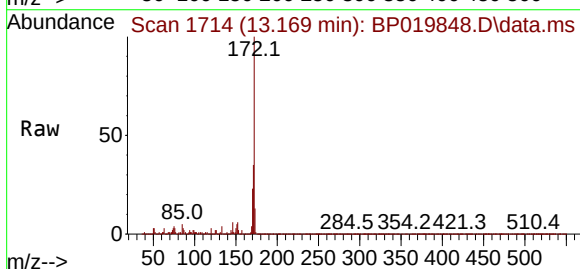
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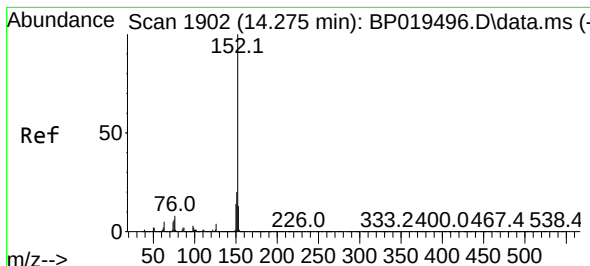
Reviewed By :Yogesh Patel 02/27/2024
Supervised By :mohammad ahmed 02/27/2024



#45
2-Fluorobiphenyl
Concen: 61.640 ng
RT: 13.169 min Scan# 1714
Delta R.T. -0.000 min
Lab File: BP019848.D
Acq: 23 Feb 2024 17:48

Tgt Ion:172 Resp: 973009
Ion Ratio Lower Upper
172 100
171 34.8 28.2 42.4
170 23.1 18.9 28.3





#49

Acenaphthylene

Concen: 3.521 ng

RT: 14.269 min Scan# 1901

Delta R.T. -0.000 min

Lab File: BP019848.D

Acq: 23 Feb 2024 17:48

Instrument :

BNA_P

ClientSampleId :

12

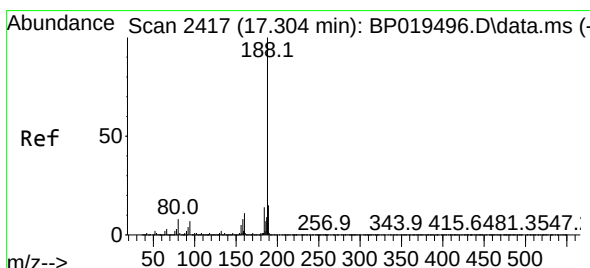
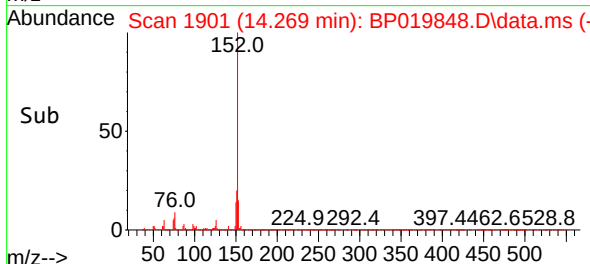
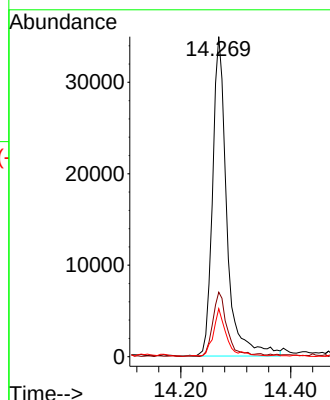
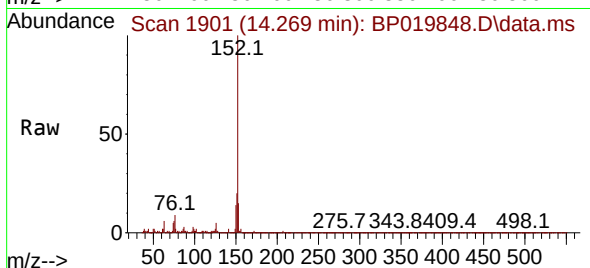
Tgt Ion:	152	Resp:	63150
Ion Ratio	Lower	Upper	
152	100		
151	20.2	15.8	23.6
153	15.0	10.6	15.8

Manual Integrations

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Reviewed By :Yogesh Patel 02/27/2024

Supervised By :mohammad ahmed 02/27/2024



#64

Phenanthrene-d10

Concen: 20.000 ng

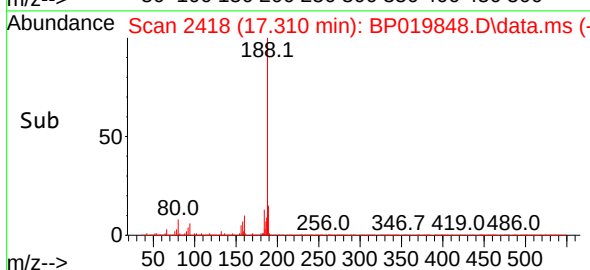
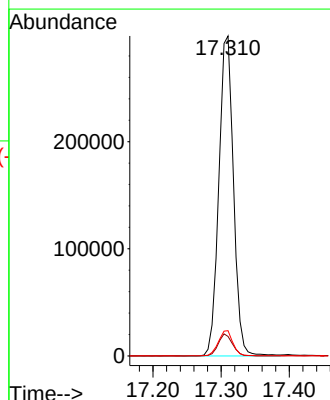
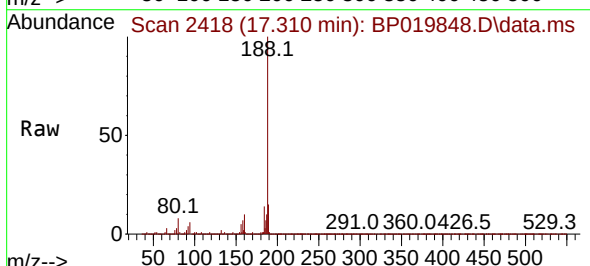
RT: 17.310 min Scan# 2418

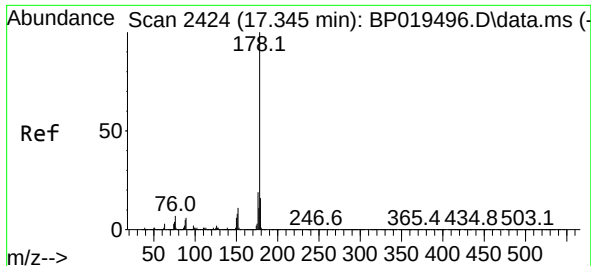
Delta R.T. -0.000 min

Lab File: BP019848.D

Acq: 23 Feb 2024 17:48

Tgt Ion:	188	Resp:	447040
Ion Ratio	Lower	Upper	
188	100		
94	6.1	5.4	8.2
80	7.9	6.3	9.5





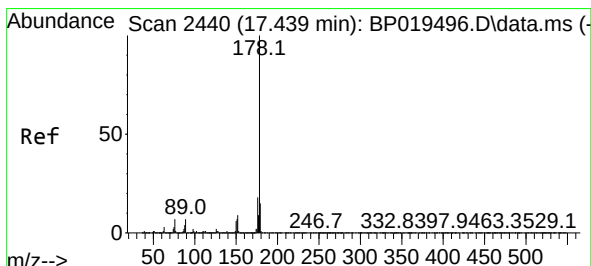
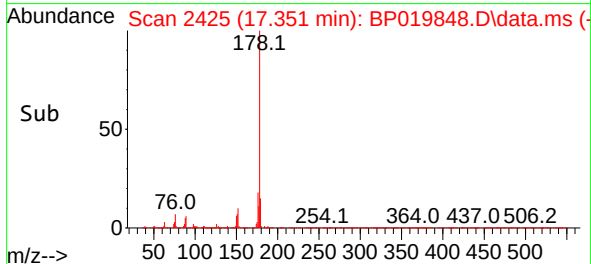
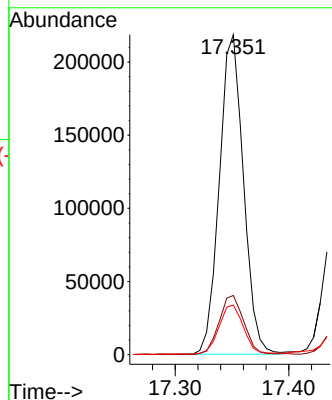
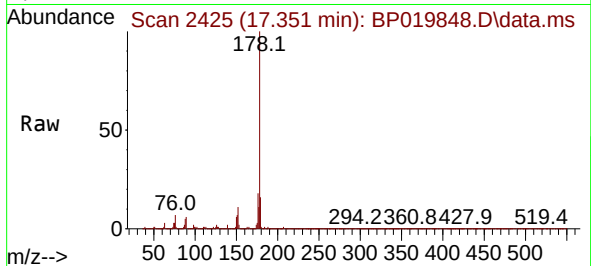
#71
Phenanthrene
Concen: 13.676 ng
RT: 17.351 min Scan# 2424
Delta R.T. -0.006 min
Lab File: BP019848.D
Acq: 23 Feb 2024 17:48

Instrument :
BNA_P
ClientSampleId :
12

Tgt Ion:178 Resp: 32173
Ion Ratio Lower Upper
178 100
176 18.5 15.5 23.3
179 15.5 12.6 19.0

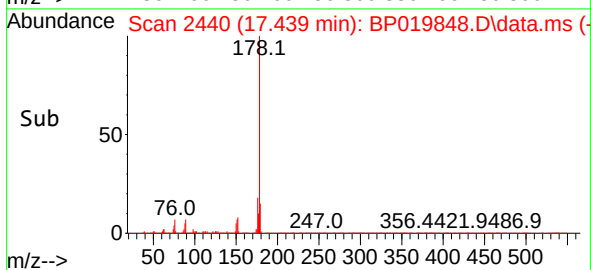
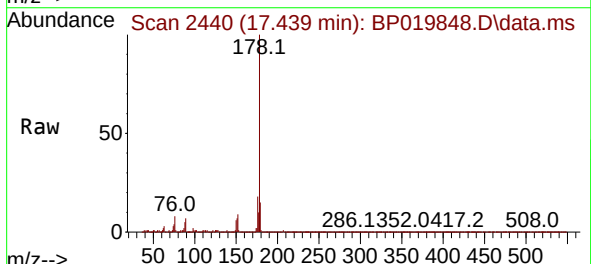
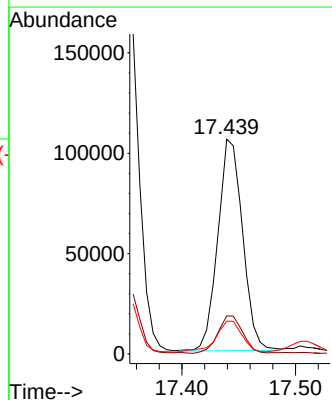
Manual Integrations
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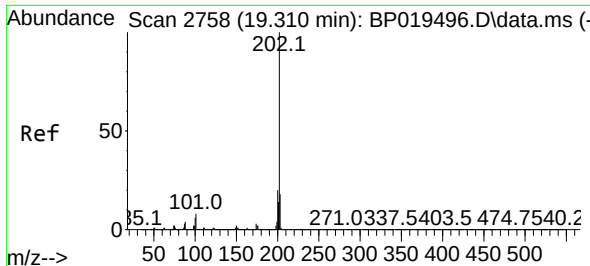
Reviewed By :Yogesh Patel 02/27/2024
Supervised By :mohammad ahmed 02/27/2024



#72
Anthracene
Concen: 6.824 ng
RT: 17.439 min Scan# 2440
Delta R.T. -0.012 min
Lab File: BP019848.D
Acq: 23 Feb 2024 17:48

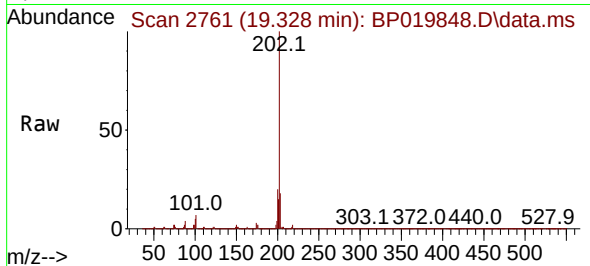
Tgt Ion:178 Resp: 160149
Ion Ratio Lower Upper
178 100
176 17.8 14.7 22.1
179 15.3 12.2 18.2





#75
Fluoranthene
Concen: 39.368 ng
RT: 19.328 min Scan# 2112
Delta R.T. -0.006 min
Lab File: BP019848.D
Acq: 23 Feb 2024 17:48

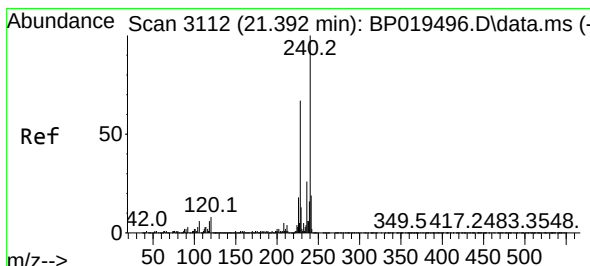
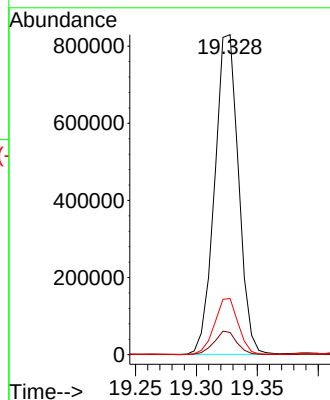
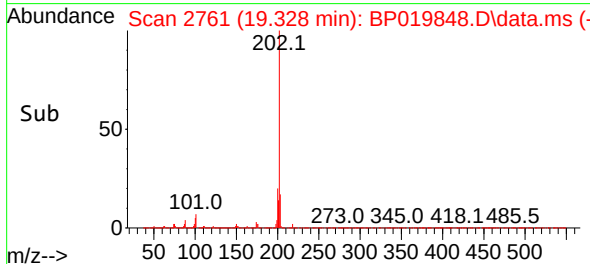
Instrument :
BNA_P
ClientSampleId :
12



Tgt Ion:202 Resp: 1131418
Ion Ratio Lower Upper
202 100
101 7.0 0.0 27.7
203 17.6 0.0 37.5

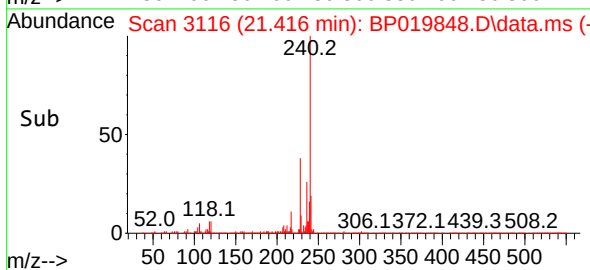
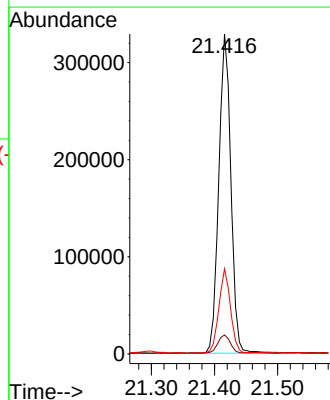
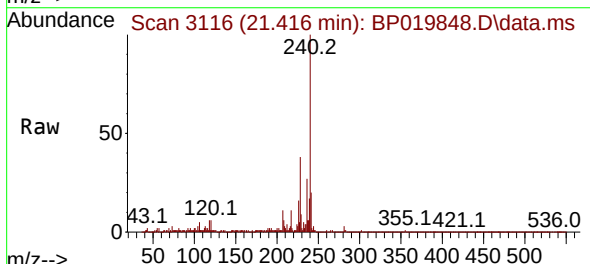
Manual Integrations
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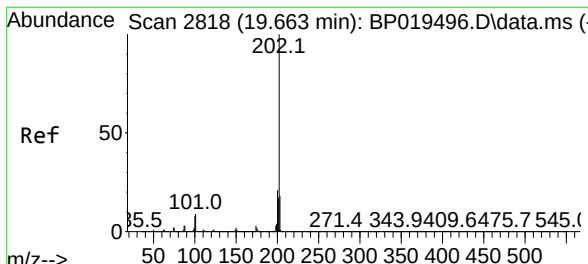
Reviewed By :Yogesh Patel 02/27/2024
Supervised By :mohammad ahmed 02/27/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.416 min Scan# 3116
Delta R.T. -0.012 min
Lab File: BP019848.D
Acq: 23 Feb 2024 17:48

Tgt Ion:240 Resp: 437354
Ion Ratio Lower Upper
240 100
120 6.0 6.1 9.1#
236 26.6 20.7 31.1





#78
 Pyrene
 Concen: 34.237 ng
 RT: 19.680 min Scan# 2818
 Delta R.T. -0.006 min
 Lab File: BP019848.D
 Acq: 23 Feb 2024 17:48

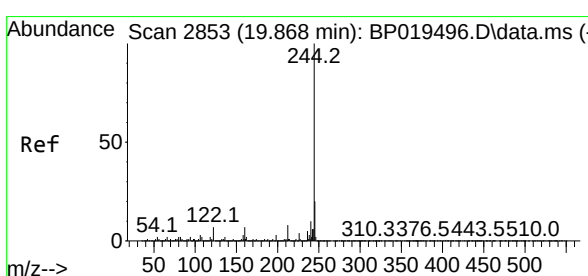
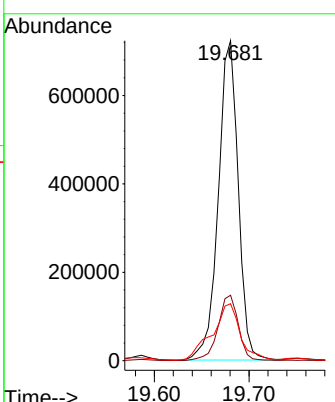
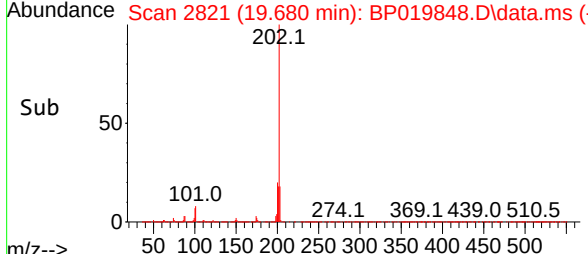
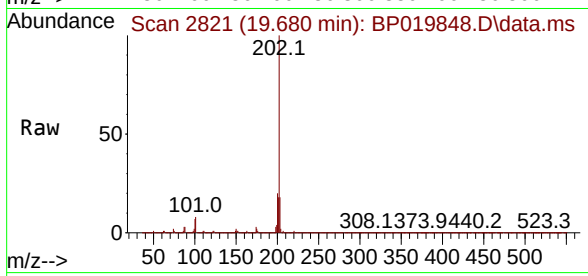
Instrument : BNA_P
 ClientSampleId : 12

Tgt Ion: 202 Resp: 105678

Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.9	25.3
203	17.8	14.2	21.2

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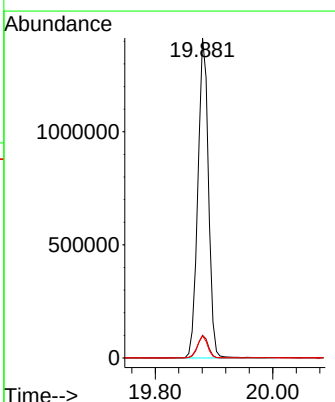
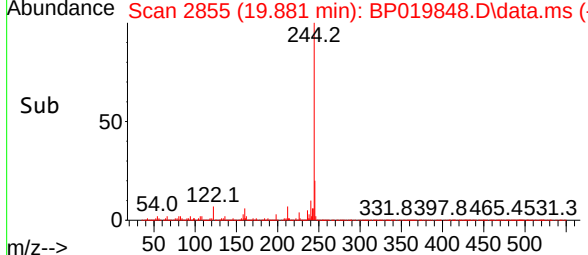
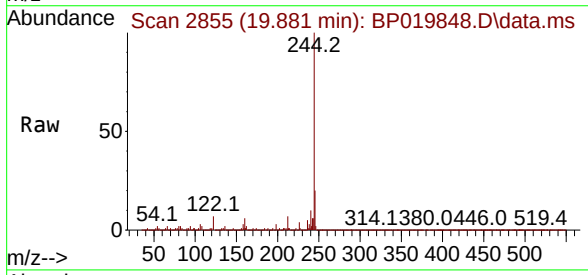
Reviewed By : Yogesh Patel 02/27/2024
 Supervised By : mohammad ahmed 02/27/2024

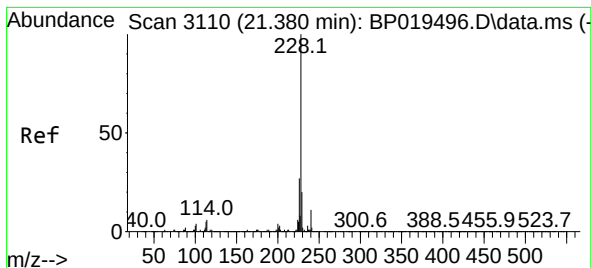


#79
 Terphenyl-d14
 Concen: 66.648 ng
 RT: 19.881 min Scan# 2855
 Delta R.T. -0.012 min
 Lab File: BP019848.D
 Acq: 23 Feb 2024 17:48

Tgt Ion: 244 Resp: 1772460

Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.1	9.1
122	6.9	5.9	8.9





#81

Benzo(a)anthracene

Concen: 22.200 ng

RT: 21.398 min Scan# 3113

Delta R.T. -0.012 min

Lab File: BP019848.D

Acq: 23 Feb 2024 17:48

Instrument :

BNA_P

ClientSampleId :

12

Tgt Ion:228 Resp: 683449

Ion Ratio Lower Upper

228 100

226 28.2 21.7 32.5

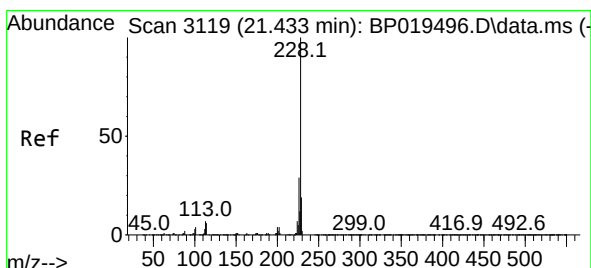
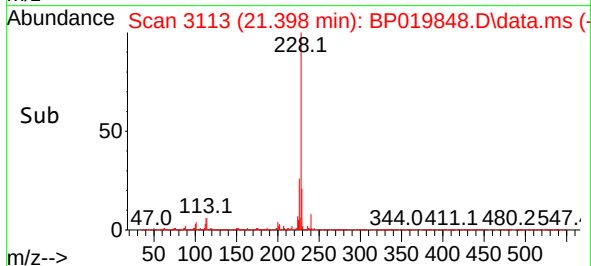
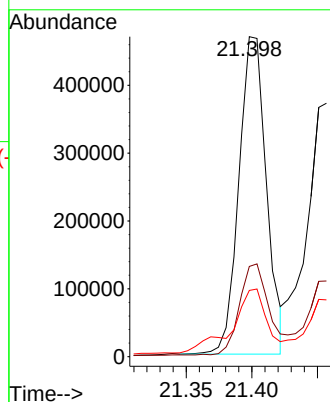
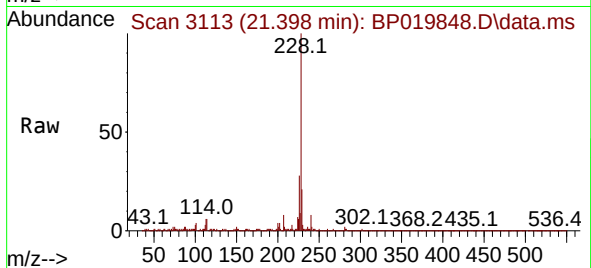
229 20.7 15.6 23.4

Manual Integrations

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Reviewed By :Yogesh Patel 02/27/2024

Supervised By :mohammad ahmed 02/27/2024



#83

Chrysene

Concen: 19.874 ng m

RT: 21.457 min Scan# 3123

Delta R.T. -0.012 min

Lab File: BP019848.D

Acq: 23 Feb 2024 17:48

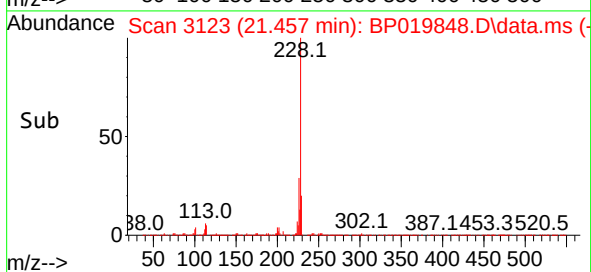
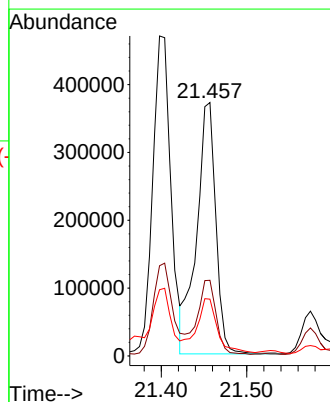
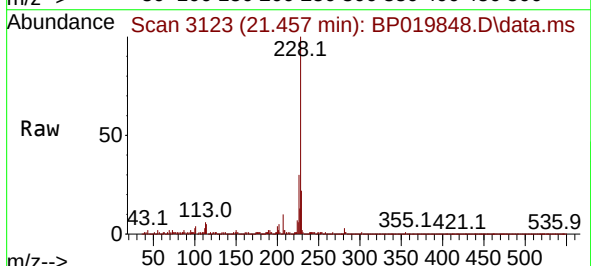
Tgt Ion:228 Resp: 580893

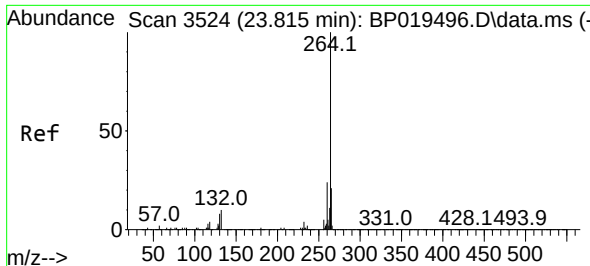
Ion Ratio Lower Upper

228 100

226 29.9 23.4 35.2

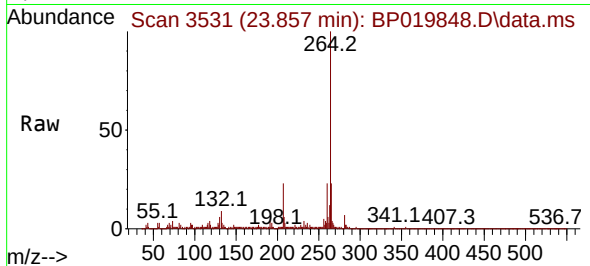
229 22.4 15.6 23.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.857 min Scan# 312
 Delta R.T. -0.012 min
 Lab File: BP019848.D
 Acq: 23 Feb 2024 17:48

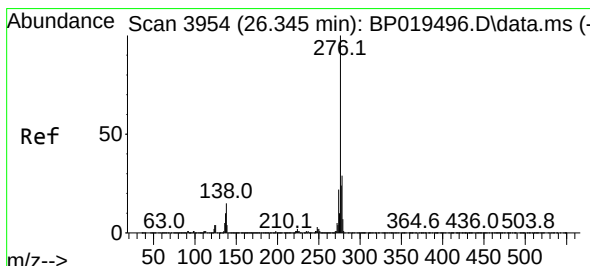
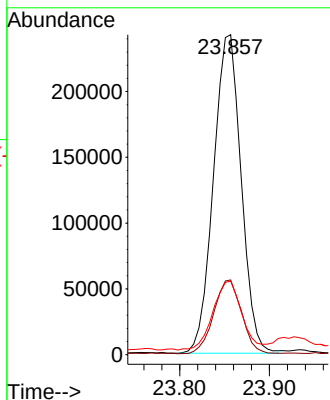
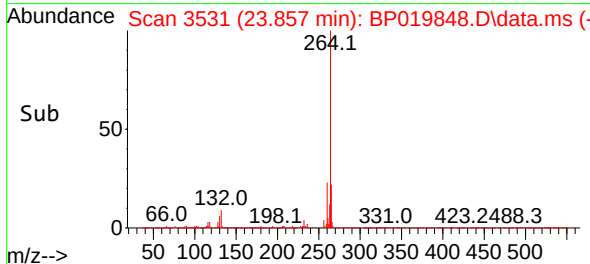
Instrument :
 BNA_P
 ClientSampleId :
 12



Tgt Ion:264 Resp: 51880
 Ion Ratio Lower Upper
 264 100
 260 23.3 19.2 28.8
 265 23.0 17.0 25.4

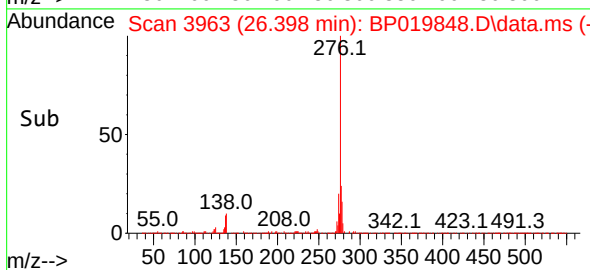
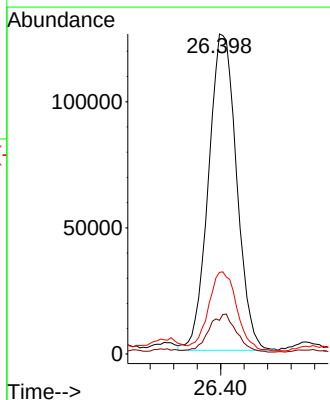
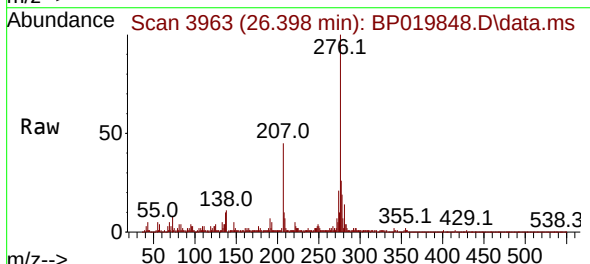
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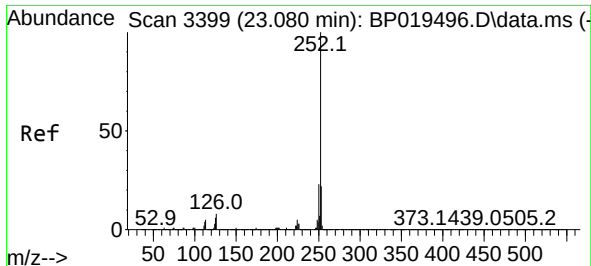
Reviewed By :Yogesh Patel 02/27/2024
 Supervised By :mohammad ahmed 02/27/2024



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 10.510 ng
 RT: 26.398 min Scan# 3963
 Delta R.T. -0.035 min
 Lab File: BP019848.D
 Acq: 23 Feb 2024 17:48

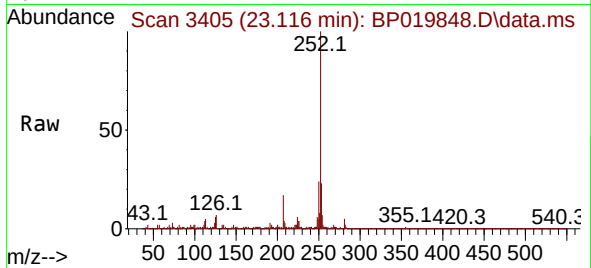
Tgt Ion:276 Resp: 417399
 Ion Ratio Lower Upper
 276 100
 138 11.9 13.1 19.7#
 277 25.2 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 25.594 ng
RT: 23.116 min Scan# 3412
Delta R.T. -0.012 min
Lab File: BP019848.D
Acq: 23 Feb 2024 17:48

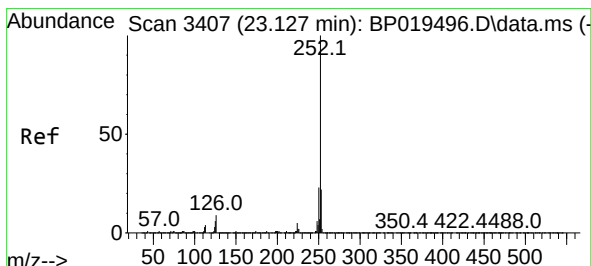
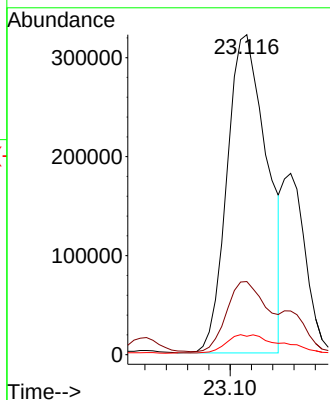
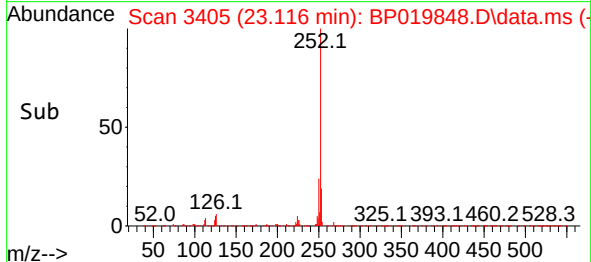
Instrument :
BNA_P
ClientSampleId :
12



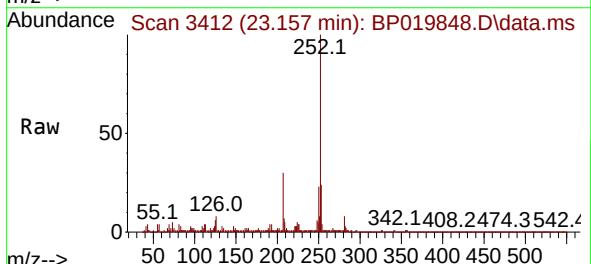
Tgt Ion:252 Resp: 836869
Ion Ratio Lower Upper
252 100
253 22.9 17.3 25.9
125 5.8 4.9 7.3

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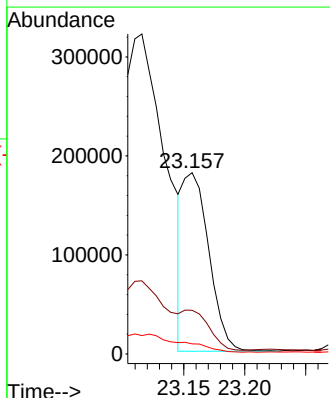
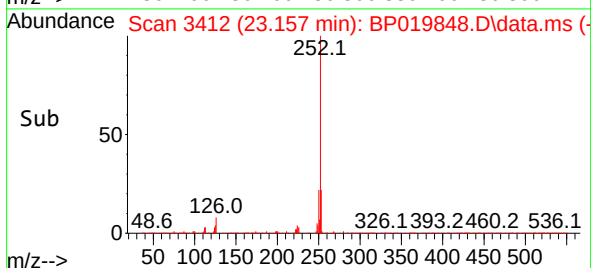
Reviewed By :Yogesh Patel 02/27/2024
Supervised By :mohammad ahmed 02/27/2024

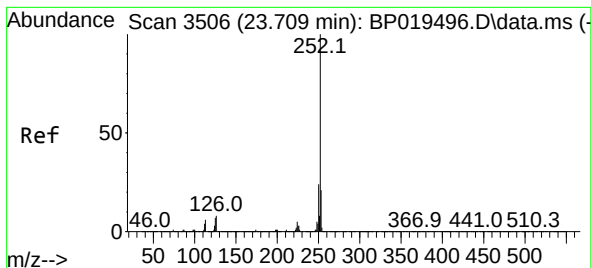


#89
Benzo(k)fluoranthene
Concen: 8.587 ng m
RT: 23.157 min Scan# 3412
Delta R.T. -0.018 min
Lab File: BP019848.D
Acq: 23 Feb 2024 17:48



Tgt Ion:252 Resp: 268223
Ion Ratio Lower Upper
252 100
253 24.1 17.1 25.7
125 5.6 5.0 7.6





#90

Benzo(a)pyrene

Concen: 22.306 ng

RT: 23.745 min Scan# 31

Delta R.T. -0.018 min

Lab File: BP019848.D

Acq: 23 Feb 2024 17:48

Instrument :

BNA_P

ClientSampleId :

12

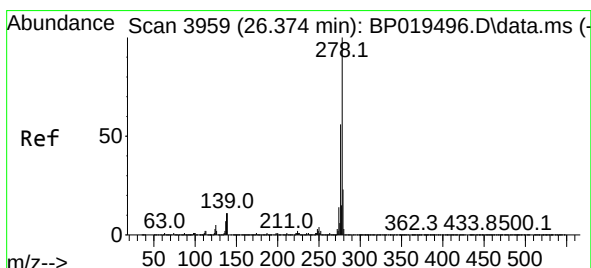
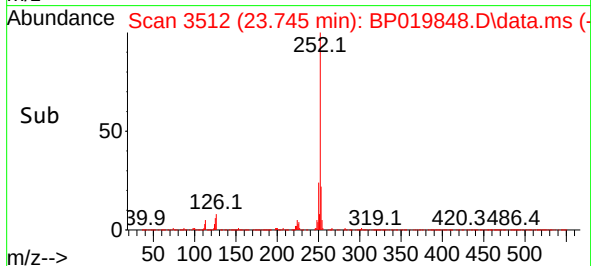
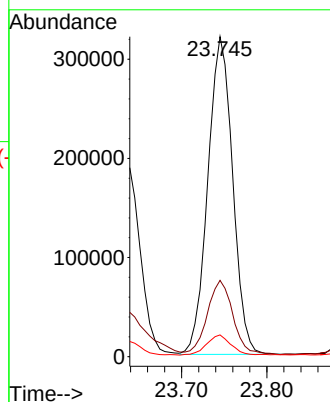
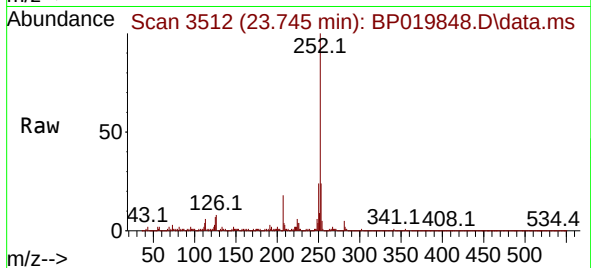
Tgt Ion:252 Resp: 648960
 Ion Ratio Lower Upper
 252 100
 253 23.9 17.1 25.7
 125 6.8 5.6 8.4

Manual Integrations

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Reviewed By :Yogesh Patel 02/27/2024

Supervised By :mohammad ahmed 02/27/2024



#91

Dibenzo(a,h)anthracene

Concen: 3.482 ng m

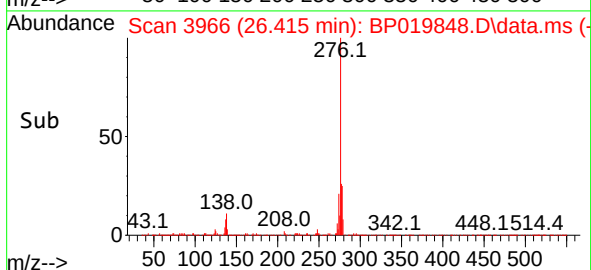
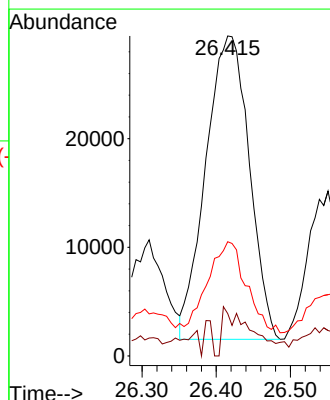
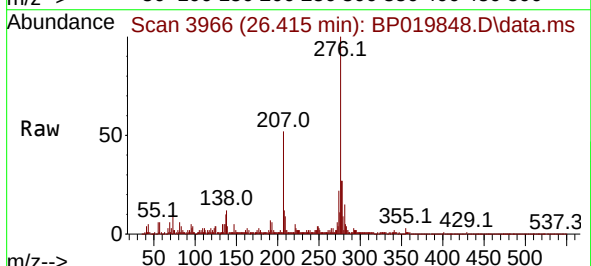
RT: 26.415 min Scan# 3966

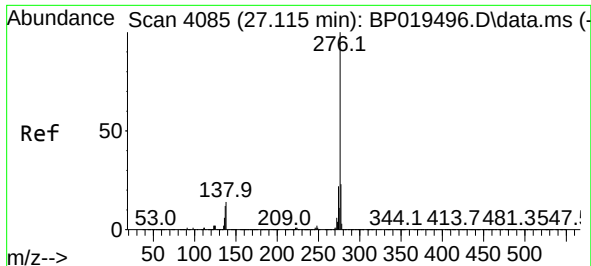
Delta R.T. -0.041 min

Lab File: BP019848.D

Acq: 23 Feb 2024 17:48

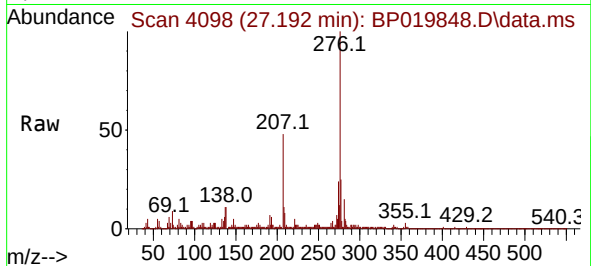
Tgt Ion:278 Resp: 113738
 Ion Ratio Lower Upper
 278 100
 139 13.3 8.6 12.8#
 279 35.7 18.5 27.7#





#92
Benzo(g,h,i)perylene
Concen: 12.405 ng
RT: 27.192 min Scan# 4085
Delta R.T. -0.024 min
Lab File: BP019848.D
Acq: 23 Feb 2024 17:48

Instrument :
BNA_P
ClientSampleId :
12



Tgt Ion:276 Resp: 41103
Ion Ratio Lower Upper
276 100
277 24.9 18.6 28.0
138 11.3 10.9 16.3

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/27/2024
Supervised By :mohammad ahmed 02/27/2024

