

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080823\
 Data File : BF134672.D
 Acq On : 08 Aug 2023 15:22
 Operator : CG\JU
 Sample : 03917-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-PP05A

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/09/2023
 Supervised By :mohammad ahmed 08/09/2023

Quant Time: Aug 09 02:18:04 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 09:29:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	191148	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	668351	20.000	ng	# 0.00
39) Acenaphthene-d10	9.833	164	270847	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	476480	20.000	ng	# 0.00
76) Chrysene-d12	13.980	240	334861	20.000	ng	# 0.00
86) Perylene-d12	15.451	264	274387	20.000	ng	# 0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	823440	65.484	ng	0.00
7) Phenol-d6	6.434	99	1008997	62.771	ng	0.00
23) Nitrobenzene-d5	7.357	82	574267	53.696	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	190624	69.041	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	949737	58.303	ng	0.00
79) Terphenyl-d14	12.921	244	981681	51.680	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.692	152	52323	2.109	ng	99
71) Phenanthrene	11.345	178	494813	19.551	ng	99
72) Anthracene	11.398	178	140076	5.418	ng	98
75) Fluoranthene	12.545	202	1331483	49.805	ng	94
78) Pyrene	12.780	202	2157934	74.473	ng	96
81) Benzo(a)anthracene	13.968	228	1031506	43.080	ng	96
83) Chrysene	14.004	228	933492	40.016	ng	98
87) Indeno(1,2,3-cd)pyrene	16.939	276	259552	16.084	ng	# 94
88) Benzo(b)fluoranthene	15.021	252	639660m	38.224	ng	
89) Benzo(k)fluoranthene	15.045	252	169838m	10.188	ng	
90) Benzo(a)pyrene	15.386	252	544301	34.884	ng	# 93
91) Dibenzo(a,h)anthracene	16.951	278	72572	5.565	ng	# 85
92) Benzo(g,h,i)perylene	17.392	276	294074	22.105	ng	# 90

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

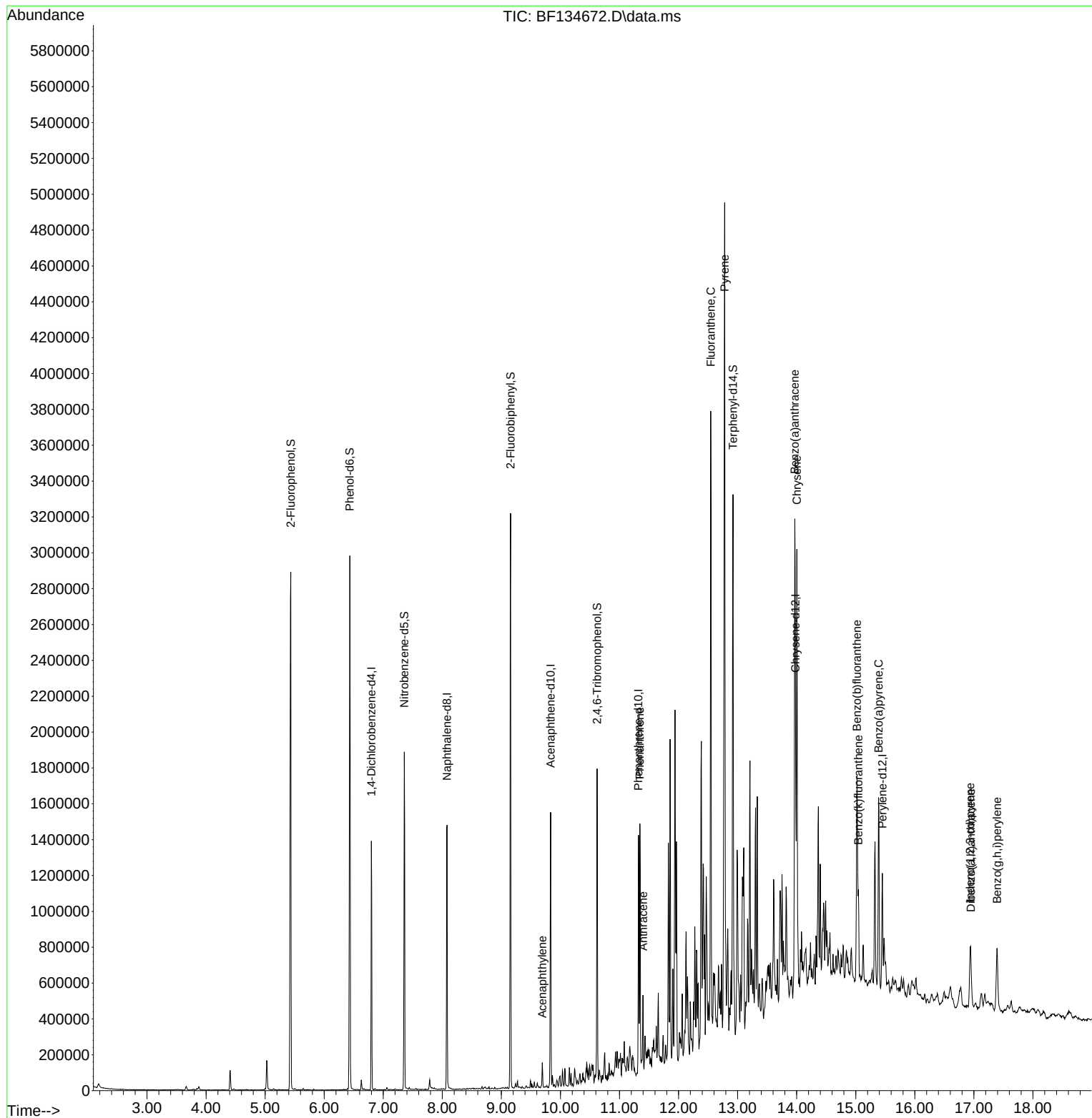
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080823\
Data File : BF134672.D
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ALS Vial : 12 Sample Multiplier: 1

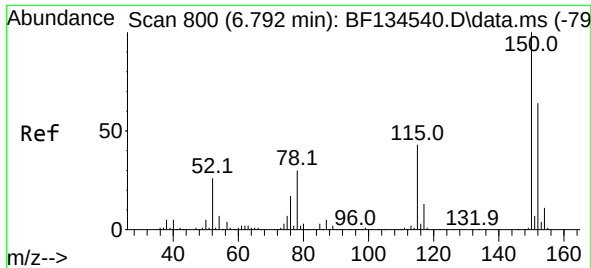
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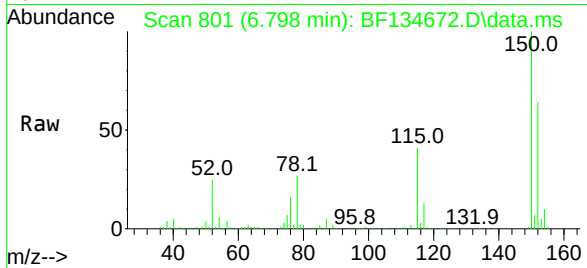
Quant Time: Aug 09 02:18:04 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 04 09:29:15 2023
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF134672.D
Acq: 08 Aug 2023 15:22

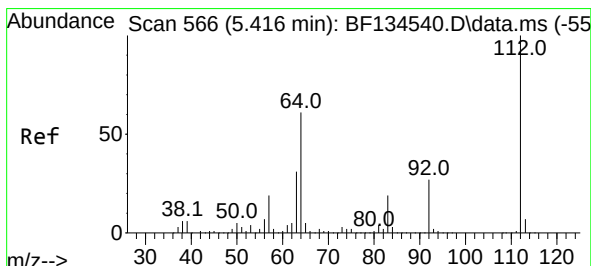
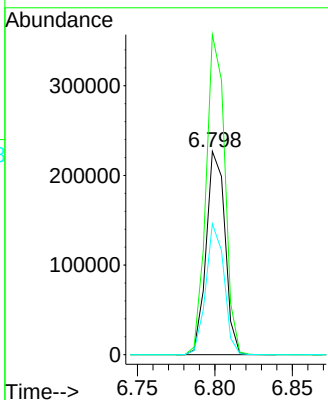
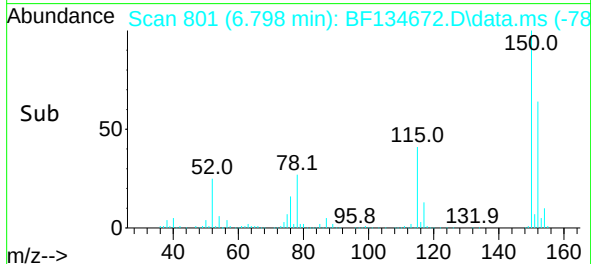
Instrument :
BNA_F
ClientSampleId :
B-PP05A



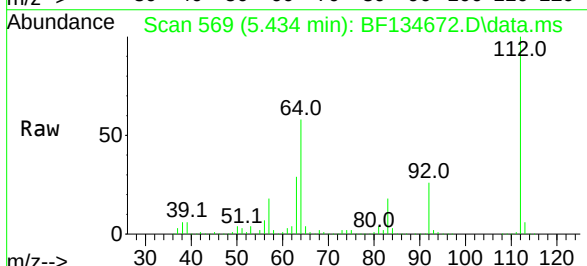
Tgt Ion:152 Resp: 191148
Ion Ratio Lower Upper
152 100
150 157.4 128.3 192.5
115 64.4 52.4 78.6

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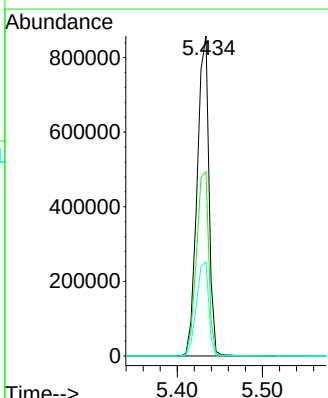
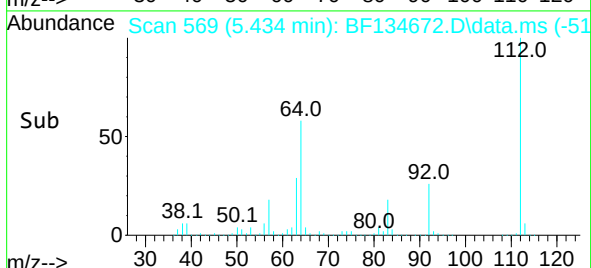
Reviewed By :Yogesh Patel 08/09/2023
Supervised By :mohammad ahmed 08/09/2023

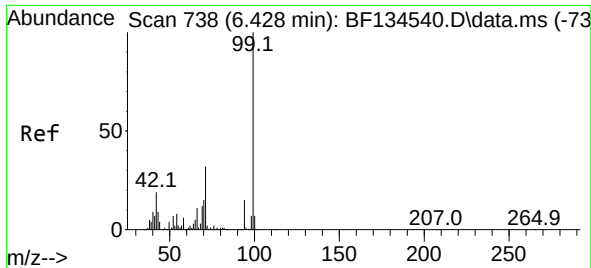


#5
2-Fluorophenol
Concen: 65.484 ng
RT: 5.434 min Scan# 569
Delta R.T. 0.006 min
Lab File: BF134672.D
Acq: 08 Aug 2023 15:22



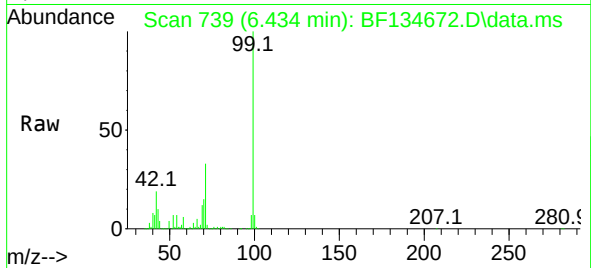
Tgt Ion:112 Resp: 823440
Ion Ratio Lower Upper
112 100
64 57.6 44.9 67.3
63 29.4 25.4 38.0





#7
Phenol-d6
Concen: 62.771 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF134672.D
Acq: 08 Aug 2023 15:22

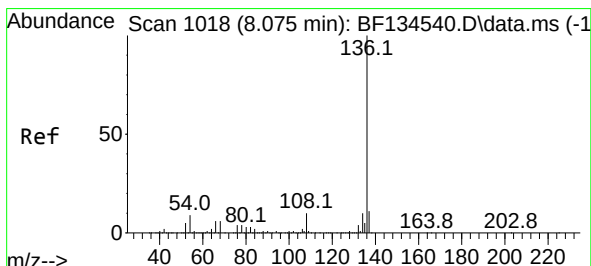
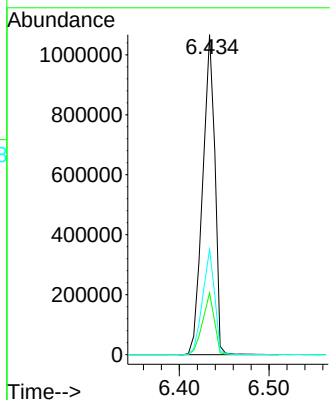
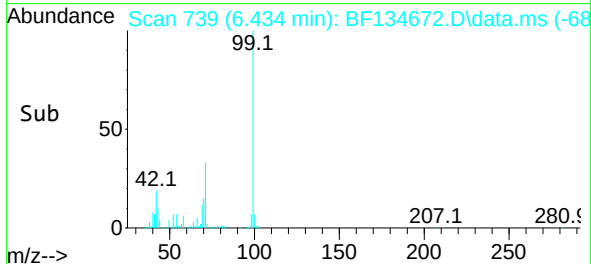
Instrument :
BNA_F
ClientSampleId :
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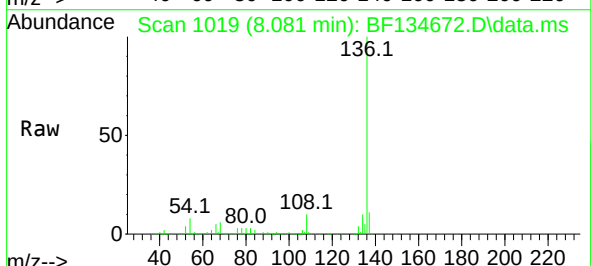
Tgt Ion: 99 Resp: 100899
Ion Ratio Lower Upper
99 100
42 19.3 18.7 28.1
71 32.9 36.4 54.6

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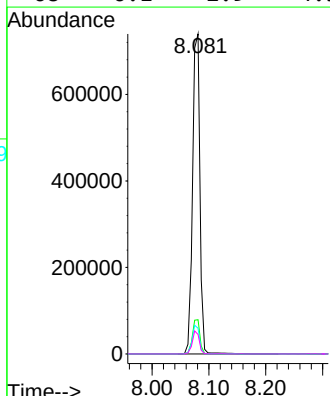
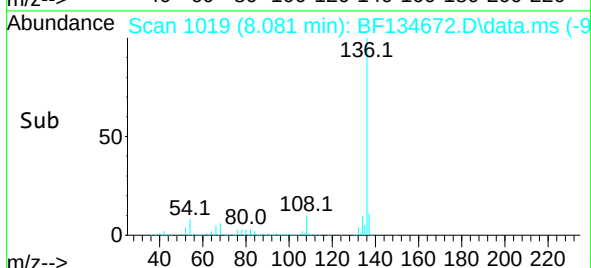
Reviewed By :Yogesh Patel 08/09/2023
Supervised By :mohammad ahmed 08/09/2023

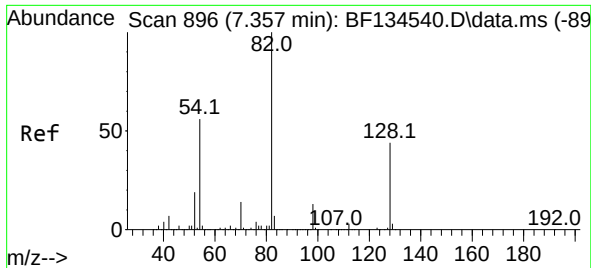


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF134672.D
Acq: 08 Aug 2023 15:22



Tgt Ion:136 Resp: 668351
Ion Ratio Lower Upper
136 100
137 10.7 8.4 12.6
54 8.0 5.2 7.8#
68 6.1 2.9 4.3#





#23

Nitrobenzene-d5

Concen: 53.696 ng

RT: 7.357 min Scan# 896

Delta R.T. -0.012 min

Lab File: BF134672.D

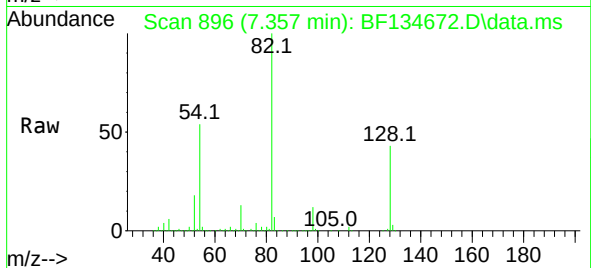
Acq: 08 Aug 2023 15:22

Instrument :

BNA_F

ClientSampleId :

B-PP05A



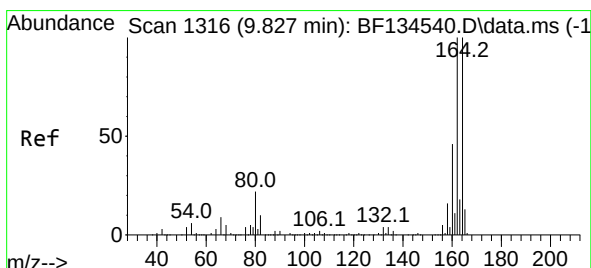
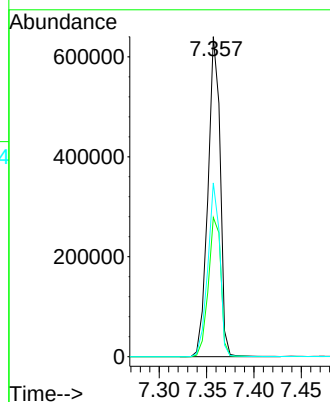
Tgt Ion:	82	Resp:	57426
Ion Ratio	Lower	Upper	
82	100		
128	43.5	34.3	51.5
54	54.3	43.8	65.6

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#39

Acenaphthene-d10

Concen: 20.000 ng

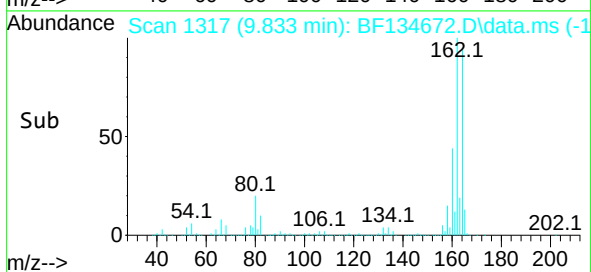
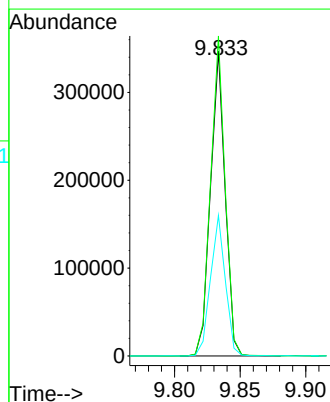
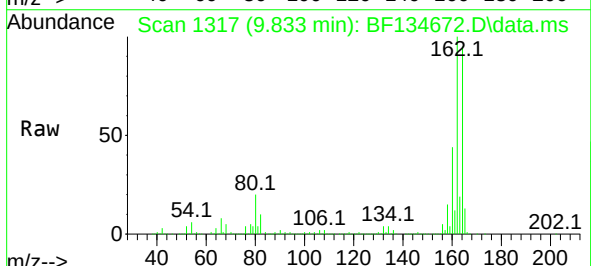
RT: 9.833 min Scan# 1317

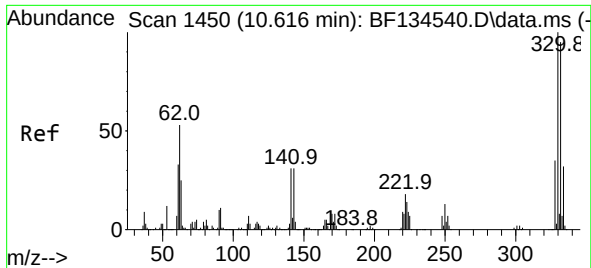
Delta R.T. 0.000 min

Lab File: BF134672.D

Acq: 08 Aug 2023 15:22

Tgt Ion:	164	Resp:	270847
Ion Ratio	Lower	Upper	
164	100		
162	105.1	82.6	123.8
160	46.1	37.2	55.8





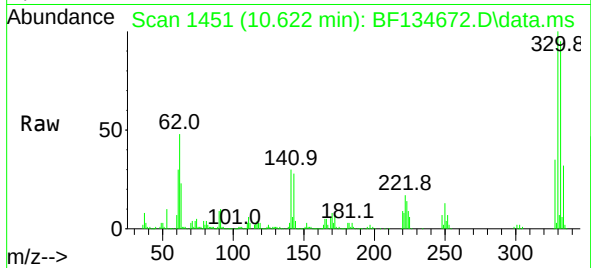
#42
2,4,6-Tribromophenol
Concen: 69.041 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF134672.D
Acq: 08 Aug 2023 15:22

Instrument :

BNA_F

ClientSampleId :

B-PP05A



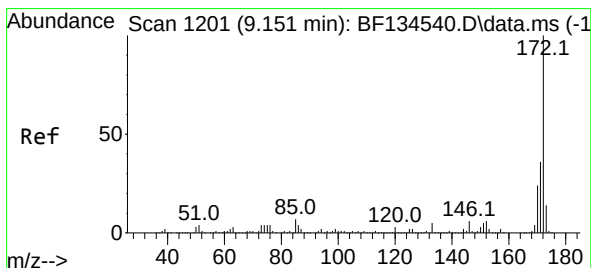
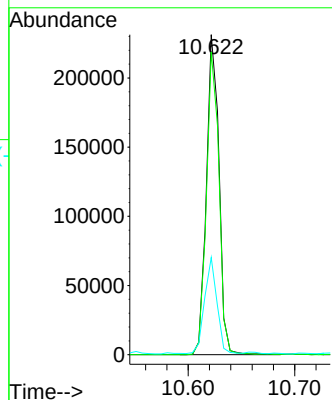
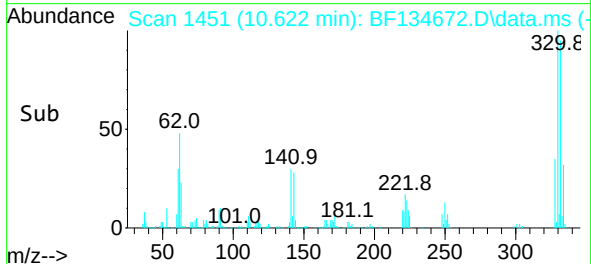
Tgt Ion: 330 Resp: 190624
Ion Ratio Lower Upper
330 100
332 94.6 78.8 118.2
141 29.3 25.4 38.2

Manual Integrations

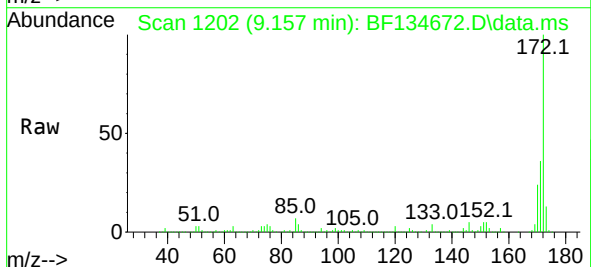
APPROVED

Reviewed By : Yogesh Patel 08/09/2023

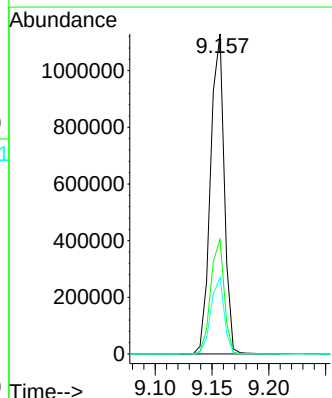
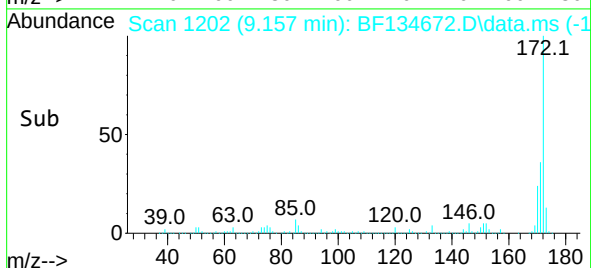
Supervised By : mohammad ahmed 08/09/2023

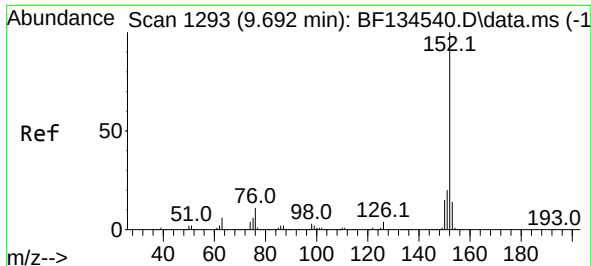


#45
2-Fluorobiphenyl
Concen: 58.303 ng
RT: 9.157 min Scan# 1202
Delta R.T. -0.006 min
Lab File: BF134672.D
Acq: 08 Aug 2023 15:22



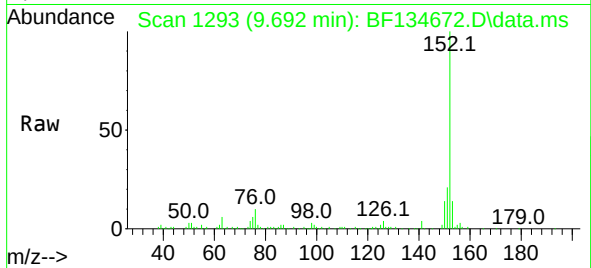
Tgt Ion: 172 Resp: 949737
Ion Ratio Lower Upper
172 100
171 35.8 28.8 43.2
170 23.8 18.7 28.1





#49
Acenaphthylene
Concen: 2.109 ng
RT: 9.692 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134672.D
Acq: 08 Aug 2023 15:22

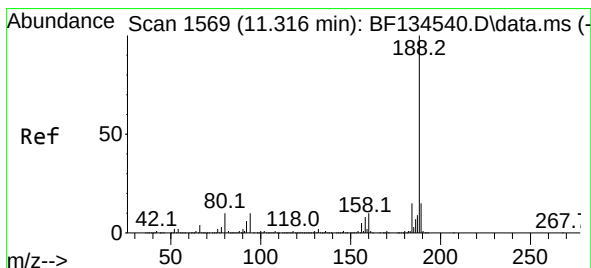
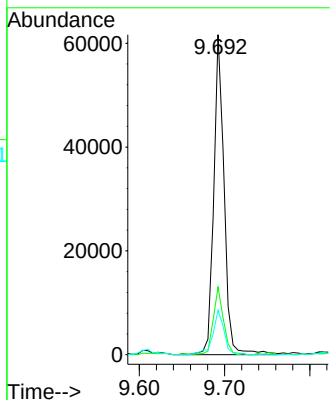
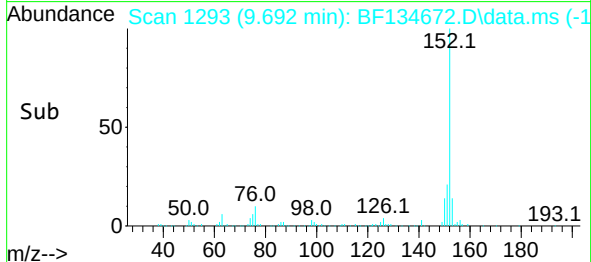
Instrument :
BNA_F
ClientSampleId :
B-PP05A



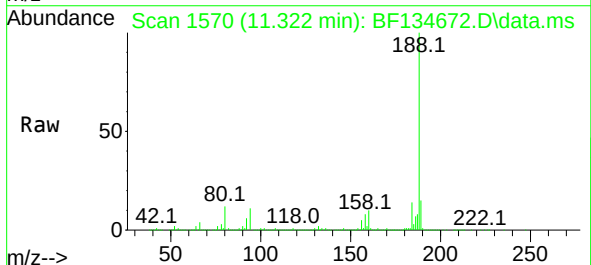
Tgt Ion:152 Resp: 5232
Ion Ratio Lower Upper
152 100
151 21.2 16.4 24.6
153 13.9 10.9 16.3

Manual Integrations
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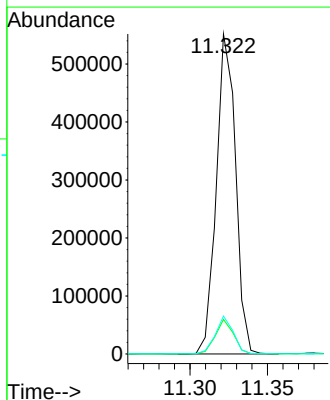
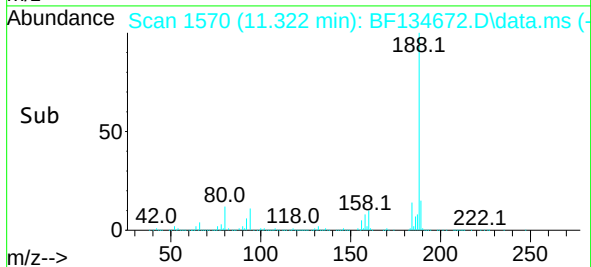
Reviewed By :Yogesh Patel 08/09/2023
Supervised By :mohammad ahmed 08/09/2023

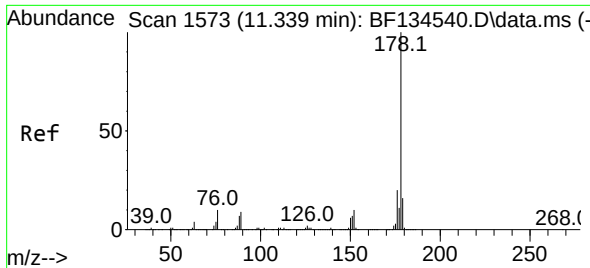


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BF134672.D
Acq: 08 Aug 2023 15:22



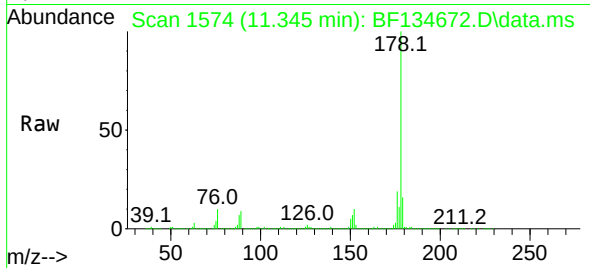
Tgt Ion:188 Resp: 476480
Ion Ratio Lower Upper
188 100
94 10.8 5.1 7.7#
80 11.8 6.6 9.8#





#71
Phenanthrene
Concen: 19.551 ng
RT: 11.345 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF134672.D
Acq: 08 Aug 2023 15:22

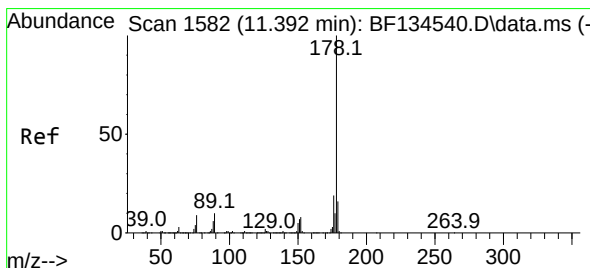
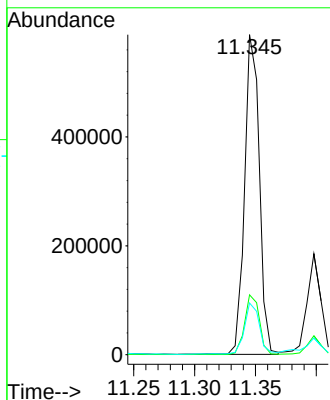
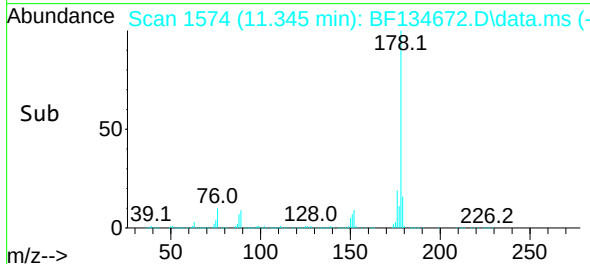
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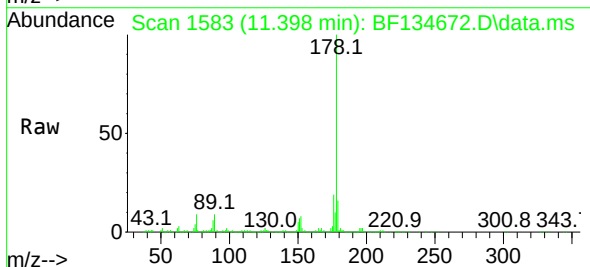
Tgt Ion:178 Resp: 494811
Ion Ratio Lower Upper
178 100
176 18.7 15.8 23.6
179 16.1 12.7 19.1

Manual Integrations
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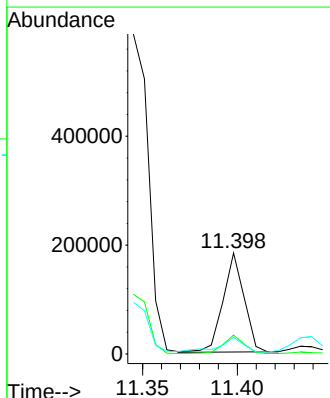
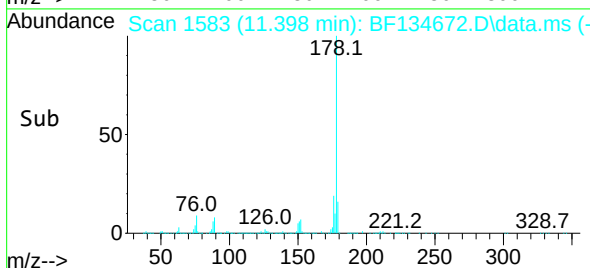
Reviewed By :Yogesh Patel 08/09/2023
Supervised By :mohammad ahmed 08/09/2023

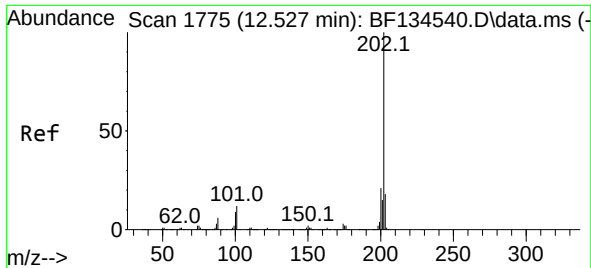


#72
Anthracene
Concen: 5.418 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF134672.D
Acq: 08 Aug 2023 15:22



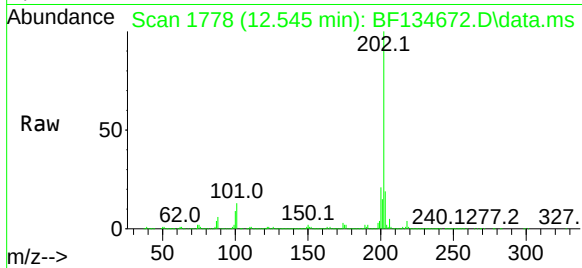
Tgt Ion:178 Resp: 140076
Ion Ratio Lower Upper
178 100
176 18.7 14.6 21.8
179 16.5 12.3 18.5





#75
Fluoranthene
Concen: 49.805 ng
RT: 12.545 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF134672.D
Acq: 08 Aug 2023 15:22

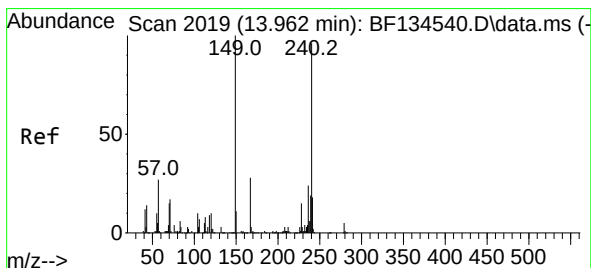
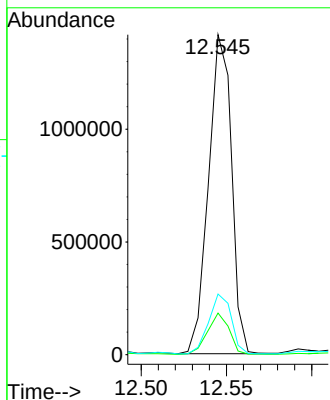
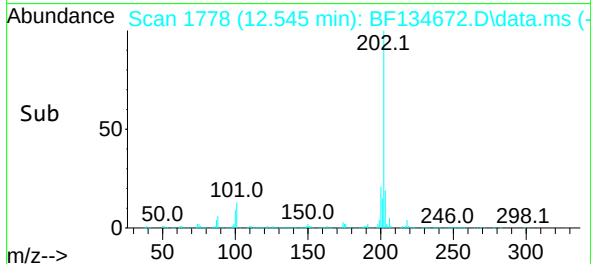
Instrument :
BNA_F
ClientSampleId :
B-PP05A



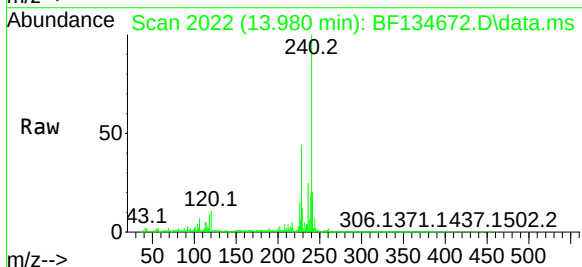
Tgt Ion:202 Resp: 133148
Ion Ratio Lower Upper
202 100
101 13.0 0.0 28.5
203 19.0 0.0 37.5

Manual Integrations
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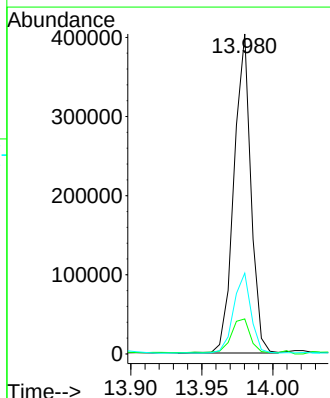
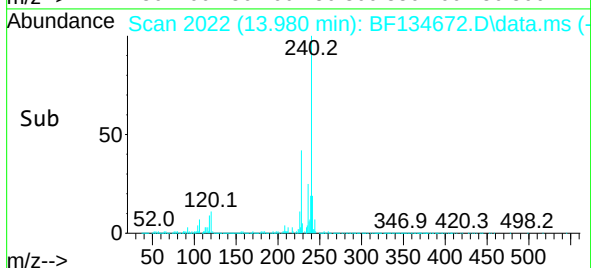
Reviewed By :Yogesh Patel 08/09/2023
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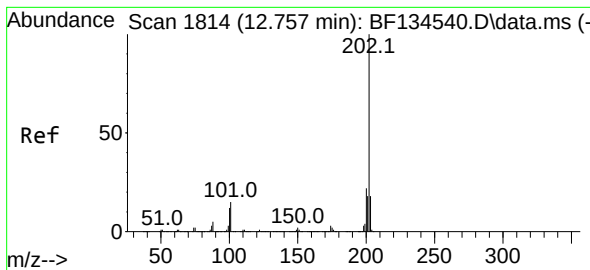


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2022
Delta R.T. 0.006 min
Lab File: BF134672.D
Acq: 08 Aug 2023 15:22



Tgt Ion:240 Resp: 334861
Ion Ratio Lower Upper
240 100
120 11.0 6.6 10.0#
236 25.3 20.2 30.2





#78

Pyrene

Concen: 74.473 ng

RT: 12.780 min Scan# 1818

Delta R.T. 0.012 min

Lab File: BF134672.D

Acq: 08 Aug 2023 15:22

Instrument :

BNA_F

ClientSampleId :

B-PP05A

Tgt Ion:202 Resp: 2157934

Ion Ratio Lower Upper

202 100

200 21.8 15.8 23.8

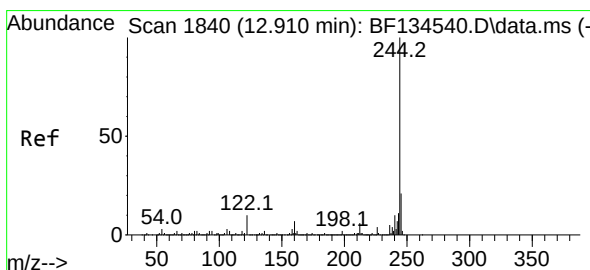
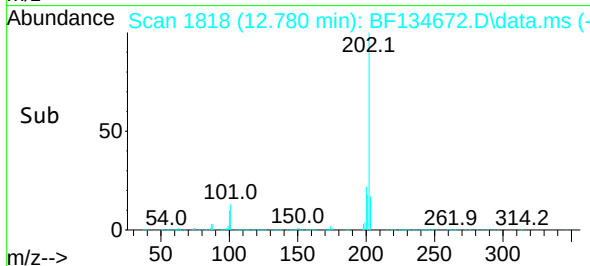
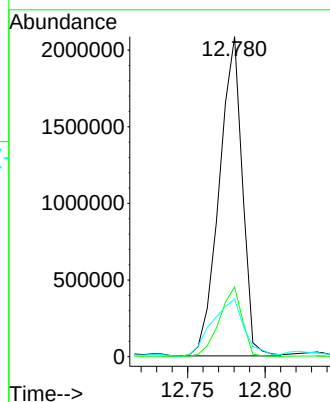
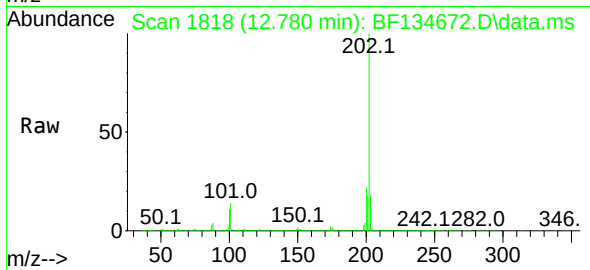
203 18.0 13.5 20.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/09/2023

Supervised By :mohammad ahmed 08/09/2023



#79

Terphenyl-d14

Concen: 51.680 ng

RT: 12.921 min Scan# 1842

Delta R.T. 0.000 min

Lab File: BF134672.D

Acq: 08 Aug 2023 15:22

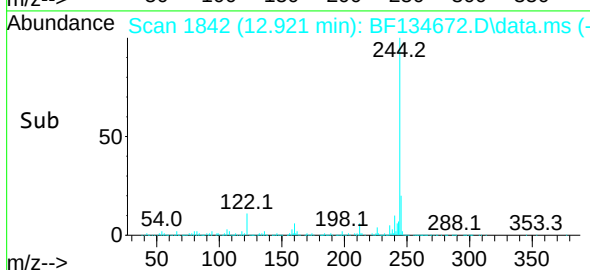
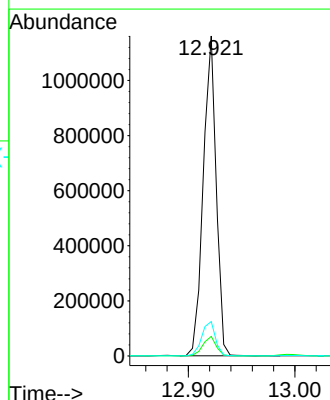
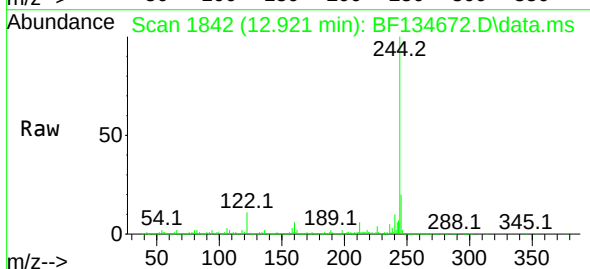
Tgt Ion:244 Resp: 981681

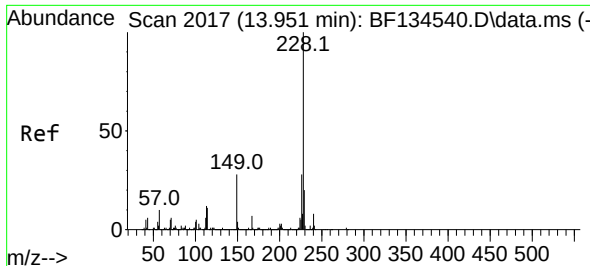
Ion Ratio Lower Upper

244 100

212 6.1 5.6 8.4

122 10.7 8.0 12.0





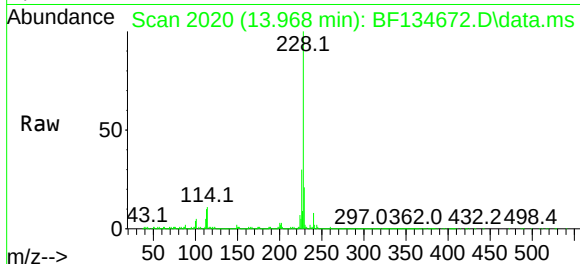
#81
Benzo(a)anthracene
Concen: 43.080 ng
RT: 13.968 min Scan# 2017
Delta R.T. 0.006 min
Lab File: BF134672.D
Acq: 08 Aug 2023 15:22

Instrument :

BNF_F

ClientSampleId :

B-PP05A



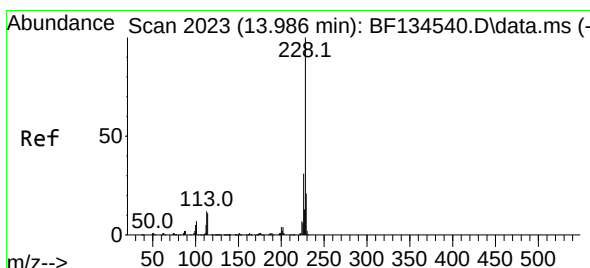
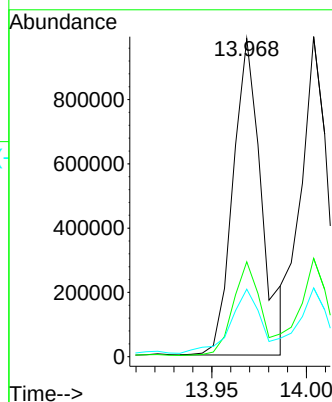
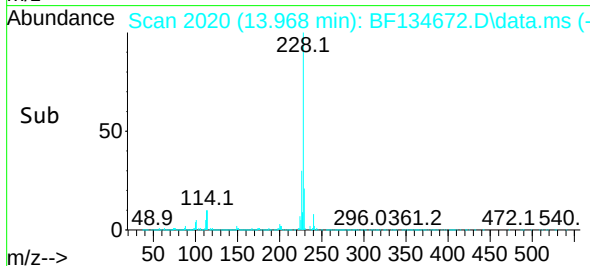
Tgt Ion:228 Resp: 1031500
Ion Ratio Lower Upper
228 100
226 29.9 22.3 33.5
229 21.2 15.8 23.6

Manual Integrations

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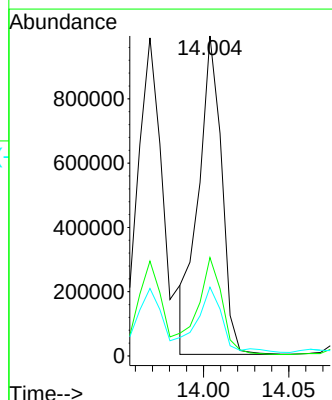
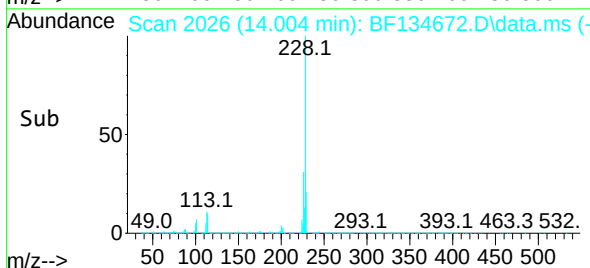
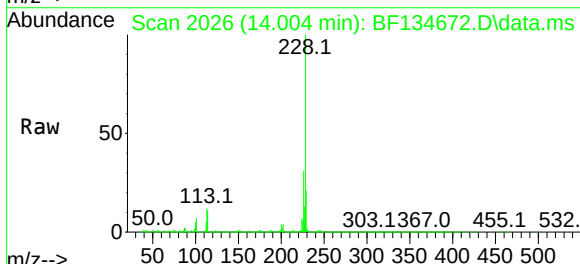
Reviewed By :Yogesh Patel 08/09/2023

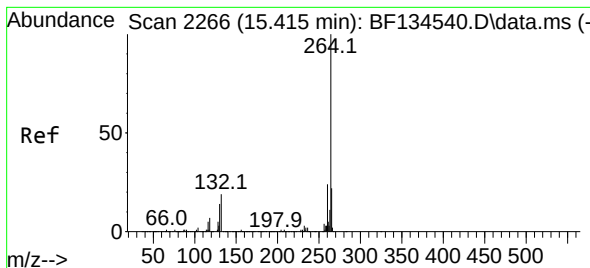
Supervised By :mohammad ahmed 08/09/2023



#83
Chrysene
Concen: 40.016 ng
RT: 14.004 min Scan# 2026
Delta R.T. 0.006 min
Lab File: BF134672.D
Acq: 08 Aug 2023 15:22

Tgt Ion:228 Resp: 933492
Ion Ratio Lower Upper
228 100
226 30.8 24.5 36.7
229 21.5 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.451 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF134672.D

Acq: 08 Aug 2023 15:22

Instrument :

BNA_F

ClientSampleId :

B-PP05A

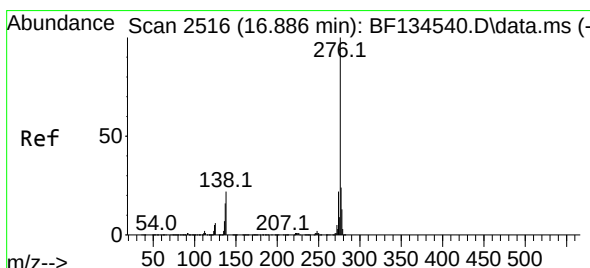
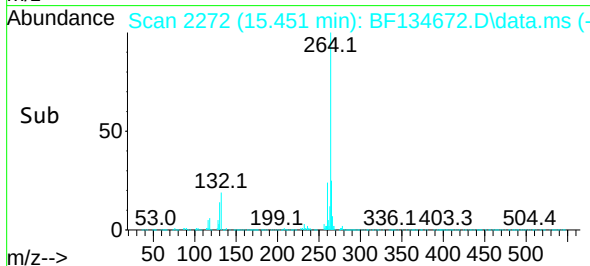
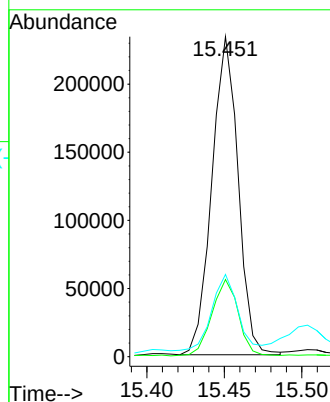
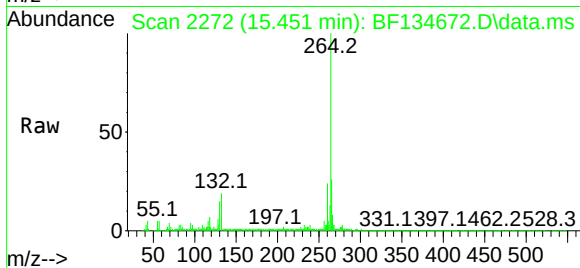
Tgt Ion:264 Resp: 27438
 Ion Ratio Lower Upper
 264 100
 260 24.1 18.4 27.6
 265 25.7 15.8 23.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/09/2023

Supervised By :mohammad ahmed 08/09/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 16.084 ng

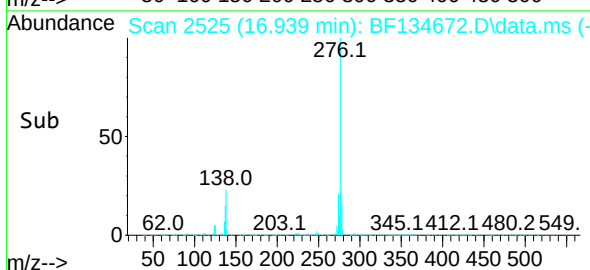
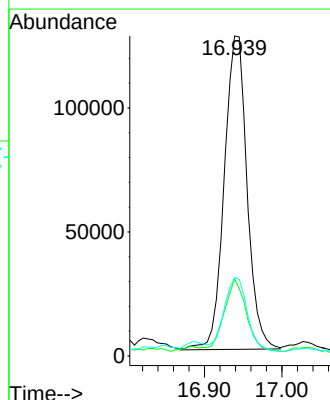
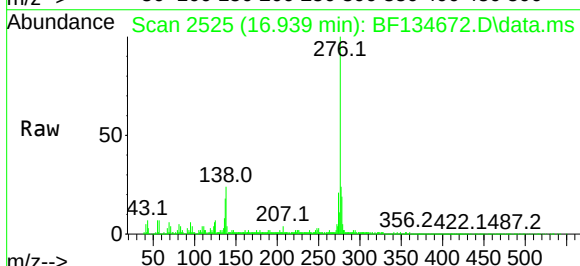
RT: 16.939 min Scan# 2525

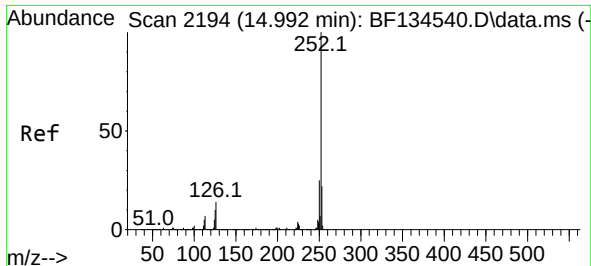
Delta R.T. 0.012 min

Lab File: BF134672.D

Acq: 08 Aug 2023 15:22

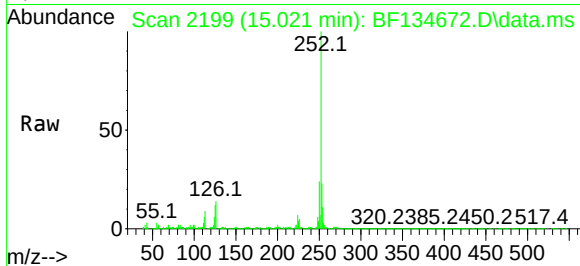
Tgt Ion:276 Resp: 259552
 Ion Ratio Lower Upper
 276 100
 138 22.7 14.2 21.4
 277 23.9 19.9 29.9





#88
Benzo(b)fluoranthene
Concen: 38.224 ng m
RT: 15.021 min Scan# 2194
Delta R.T. 0.012 min
Lab File: BF134672.D
Acq: 08 Aug 2023 15:22

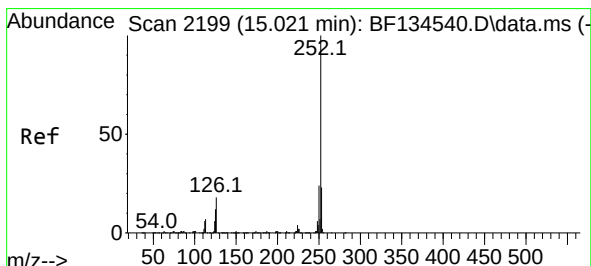
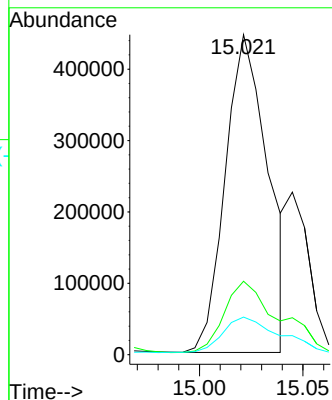
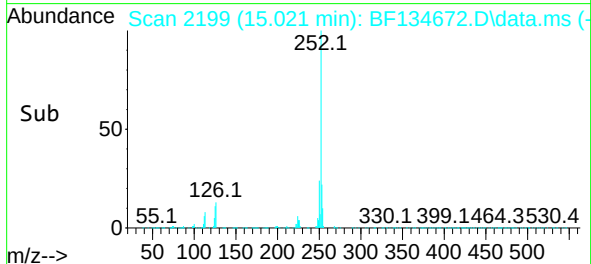
Instrument :
BNA_F
ClientSampleId :
B-PP05A



Tgt Ion:252 Resp: 639660
Ion Ratio Lower Upper
252 100
253 22.9 17.3 25.9
125 11.7 6.0 9.0

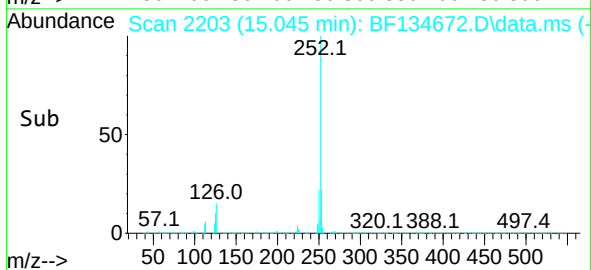
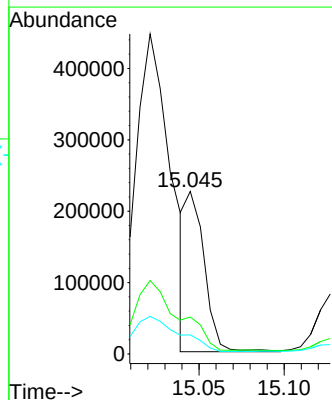
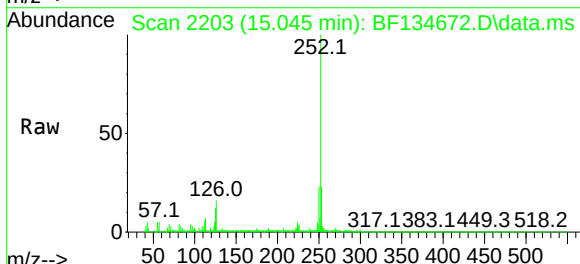
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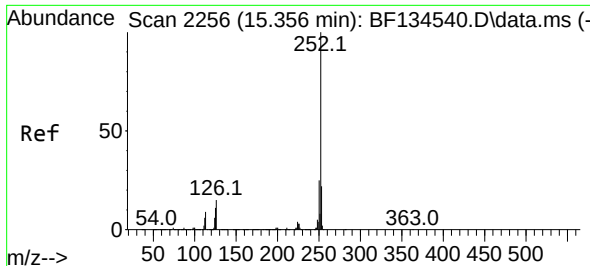
Reviewed By :Yogesh Patel 08/09/2023
Supervised By :mohammad ahmed 08/09/2023



#89
Benzo(k)fluoranthene
Concen: 10.188 ng m
RT: 15.045 min Scan# 2203
Delta R.T. 0.006 min
Lab File: BF134672.D
Acq: 08 Aug 2023 15:22

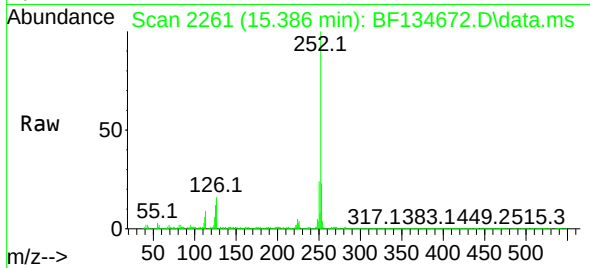
Tgt Ion:252 Resp: 169838
Ion Ratio Lower Upper
252 100
253 22.7 17.9 26.9
125 11.8 6.3 9.5





#90
Benzo(a)pyrene
Concen: 34.884 ng
RT: 15.386 min Scan# 2256
Delta R.T. 0.006 min
Lab File: BF134672.D
Acq: 08 Aug 2023 15:22

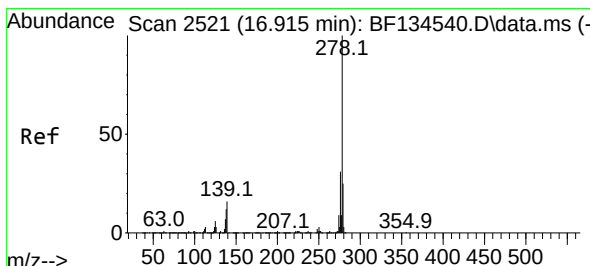
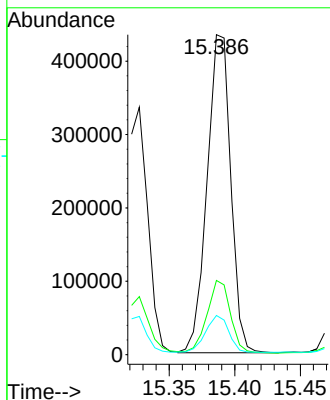
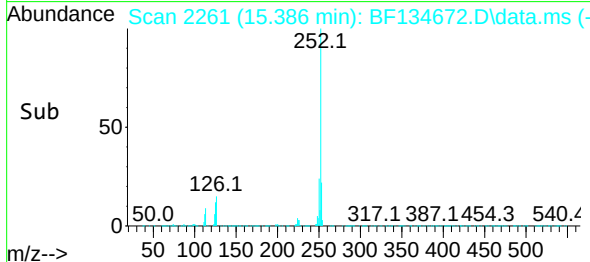
Instrument :
BNA_F
ClientSampleId :
B-PP05A



Tgt Ion:252 Resp: 54430
Ion Ratio Lower Upper
252 100
253 23.2 17.0 25.4
125 12.3 6.2 9.4

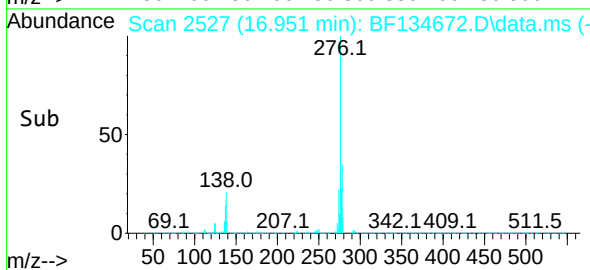
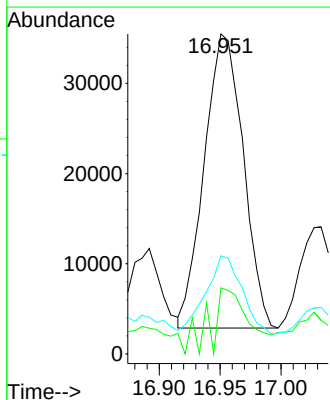
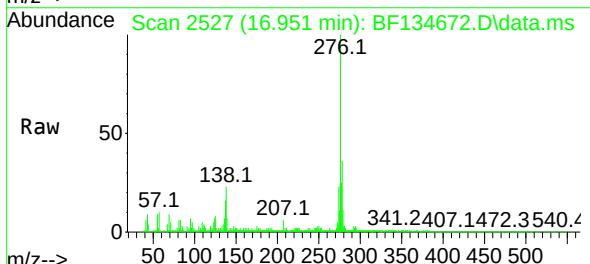
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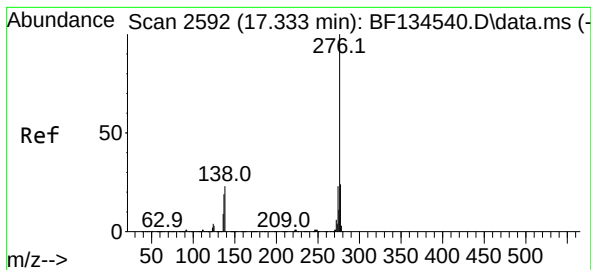
Reviewed By :Yogesh Patel 08/09/2023
Supervised By :mohammad ahmed 08/09/2023



#91
Dibenzo(a,h)anthracene
Concen: 5.565 ng
RT: 16.951 min Scan# 2527
Delta R.T. 0.000 min
Lab File: BF134672.D
Acq: 08 Aug 2023 15:22

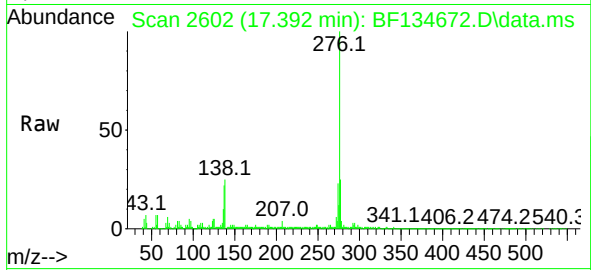
Tgt Ion:278 Resp: 72572
Ion Ratio Lower Upper
278 100
139 20.6 10.0 15.0#
279 30.6 19.7 29.5#





#92
Benzo(g,h,i)perylene
Concen: 22.105 ng
RT: 17.392 min Scan# 20
Delta R.T. 0.018 min
Lab File: BF134672.D
Acq: 08 Aug 2023 15:22

Instrument :
BNA_F
ClientSampleId :
B-PP05A



Tgt Ion:276 Resp: 294074
Ion Ratio Lower Upper
276 100
277 25.0 19.0 28.6
138 24.9 12.2 18.2

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/09/2023
Supervised By :mohammad ahmed 08/09/2023

