

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
 Data File : BF141357.D
 Acq On : 01 Feb 2025 02:44
 Operator : RC/JU
 Sample : Q1220-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-06-01292025

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
 Supervised By :mohammad ahmed 02/04/2025

Quant Time: Feb 01 03:24:13 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	134759	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	435390	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	181797	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	321775	20.000	ng	0.00
76) Chrysene-d12	13.968	240	260524	20.000	ng	0.00
86) Perylene-d12	15.421	264	197298	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	518805	59.103	ng	0.01
7) Phenol-d6	6.440	99	630370	56.451	ng	0.00
23) Nitrobenzene-d5	7.357	82	387890	46.965	ng	-0.01
42) 2,4,6-Tribromophenol	10.627	330	61964	37.179	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	561338	47.526	ng	0.00
79) Terphenyl-d14	12.910	244	694470	41.110	ng	0.00
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.792	142	44428	3.039	ng	99
38) 1-Methylnaphthalene	8.892	142	31052	2.162	ng	98
49) Acenaphthylene	9.698	152	40004	2.586	ng	# 92
71) Phenanthrene	11.345	178	95880	5.543	ng	98
75) Fluoranthene	12.539	202	149053	8.727	ng	100
78) Pyrene	12.769	202	245898	9.833	ng	99
81) Benzo(a)anthracene	13.957	228	99321	5.525	ng	# 85
83) Chrysene	13.992	228	84433	5.125	ng	# 94
87) Indeno(1,2,3-cd)pyrene	16.868	276	35324	2.774	ng	96
88) Benzo(b)fluoranthene	15.004	252	68491m	5.519	ng	
89) Benzo(k)fluoranthene	15.015	252	23927m	2.176	ng	
90) Benzo(a)pyrene	15.357	252	66362	6.328	ng	# 88
92) Benzo(g,h,i)perylene	17.304	276	50898	4.778	ng	93

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

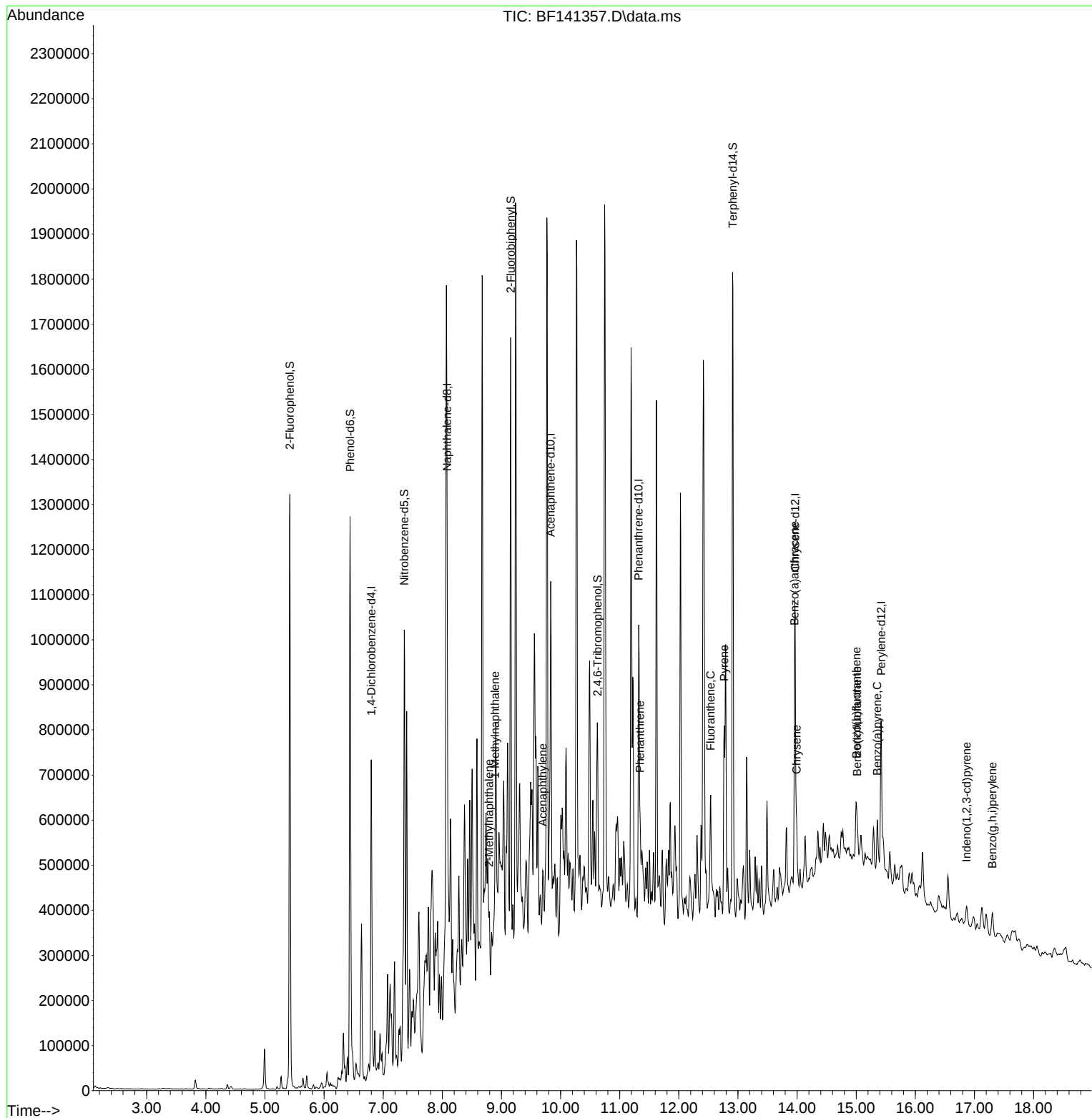
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141357.D
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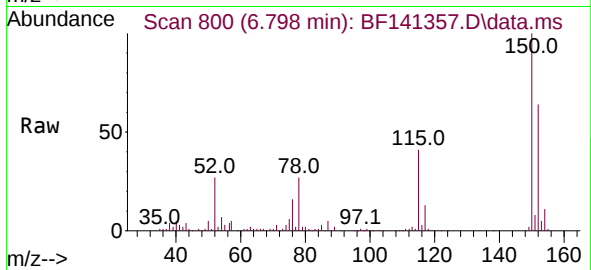
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF141357.D
Acq: 01 Feb 2025 02:44

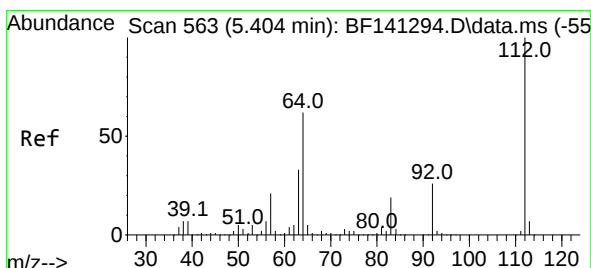
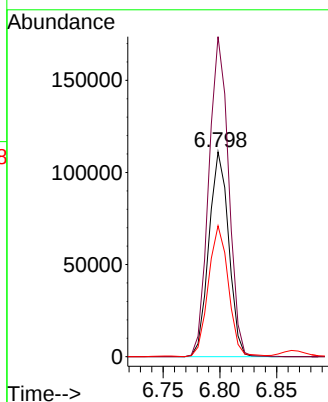
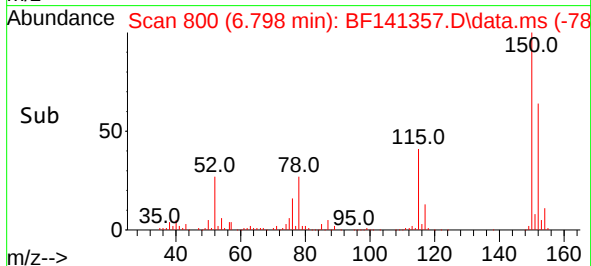
Instrument :
BNA_F
ClientSampleId :
TR-06-01292025



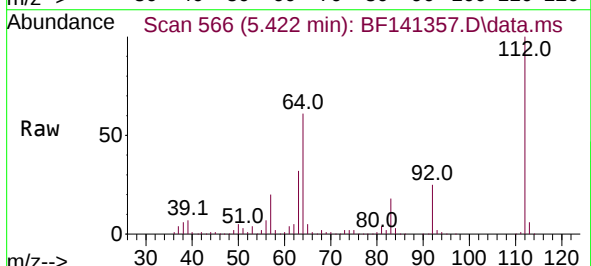
Tgt Ion:152 Resp: 134759
Ion Ratio Lower Upper
152 100
150 156.2 125.9 188.9
115 63.9 49.7 74.5

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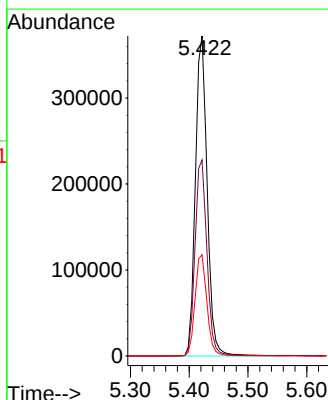
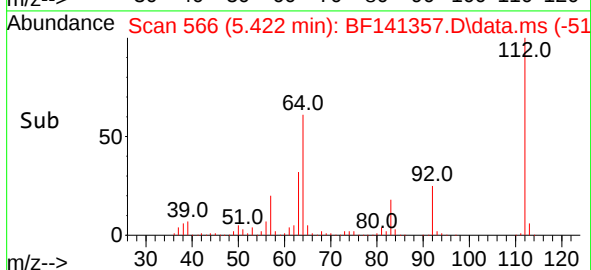
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

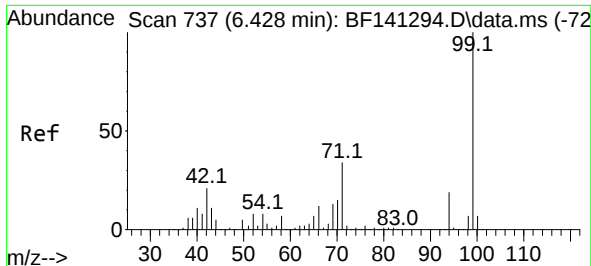


#5
2-Fluorophenol
Concen: 59.103 ng
RT: 5.422 min Scan# 566
Delta R.T. 0.012 min
Lab File: BF141357.D
Acq: 01 Feb 2025 02:44



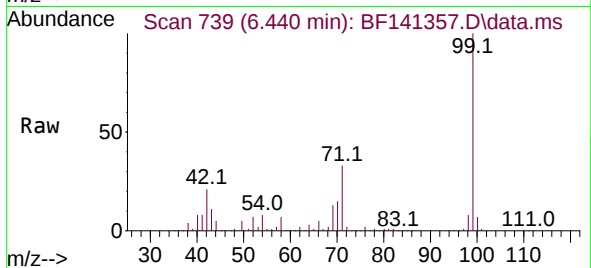
Tgt Ion:112 Resp: 518805
Ion Ratio Lower Upper
112 100
64 61.3 49.8 74.8
63 31.6 26.1 39.1





#7
Phenol-d6
Concen: 56.451 ng
RT: 6.440 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF141357.D
Acq: 01 Feb 2025 02:44

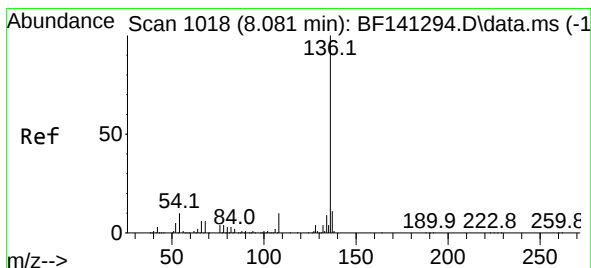
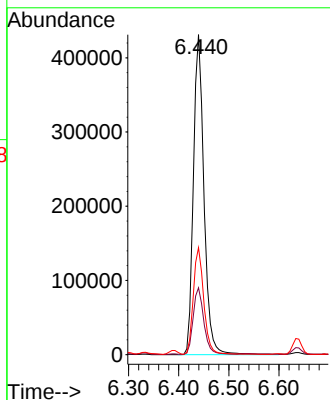
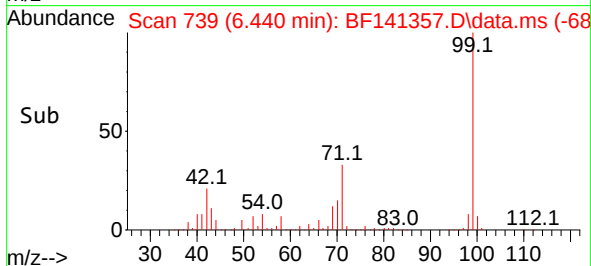
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TR-06-01292025



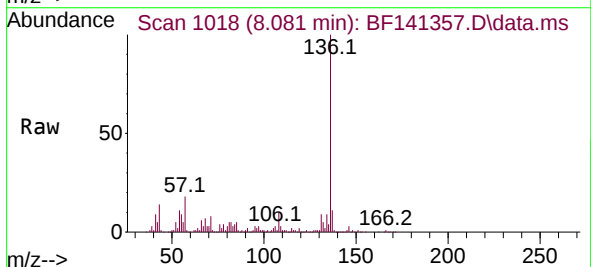
Tgt Ion: 99 Resp: 630370
Ion Ratio Lower Upper
99 100
42 20.9 17.1 25.7
71 33.4 26.9 40.3

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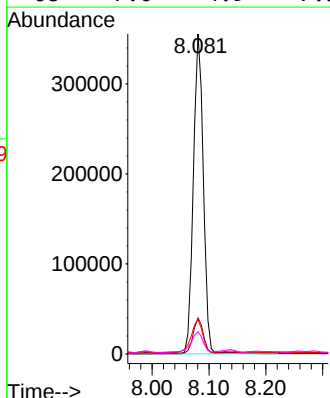
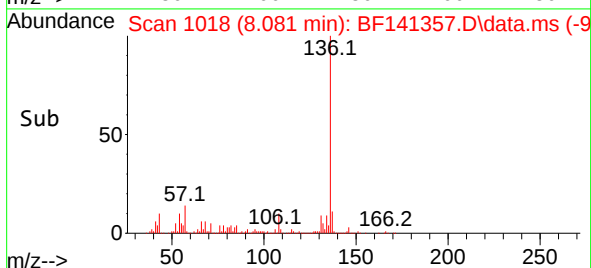
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

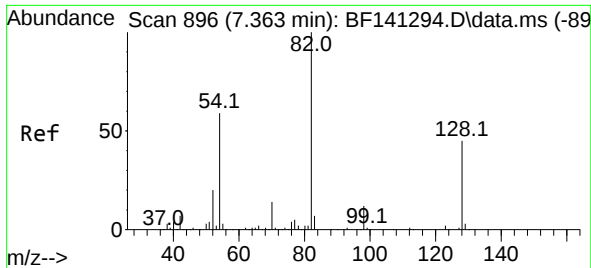


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF141357.D
Acq: 01 Feb 2025 02:44



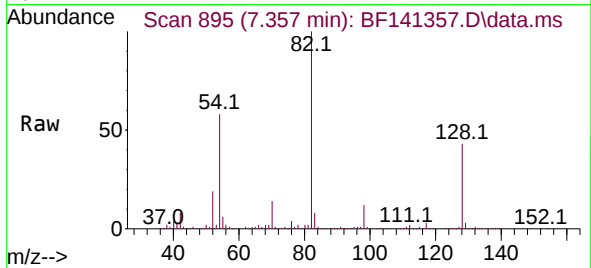
Tgt Ion:136 Resp: 435390
Ion Ratio Lower Upper
136 100
137 11.2 8.6 13.0
54 10.7 7.8 11.8
68 7.0 4.9 7.3





#23
Nitrobenzene-d5
Concen: 46.965 ng
RT: 7.357 min Scan# 895
Delta R.T. -0.012 min
Lab File: BF141357.D
Acq: 01 Feb 2025 02:44

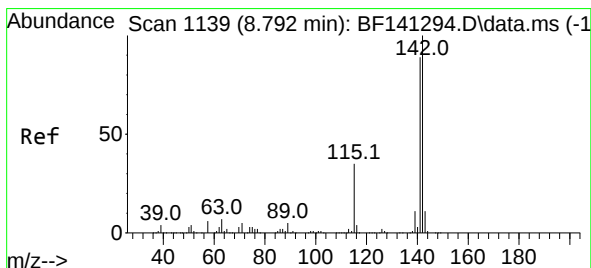
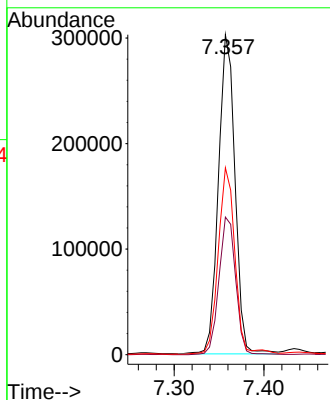
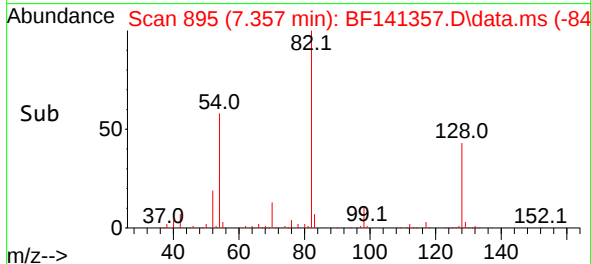
Instrument :
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ClientSampleId :
TR-06-01292025



Tgt Ion: 82 Resp: 387890
Ion Ratio Lower Upper
82 100
128 43.0 35.7 53.5
54 58.4 47.1 70.7

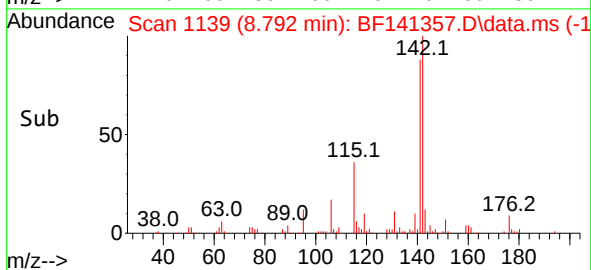
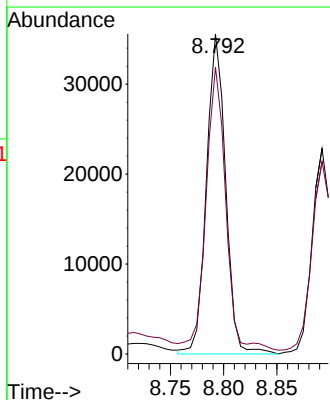
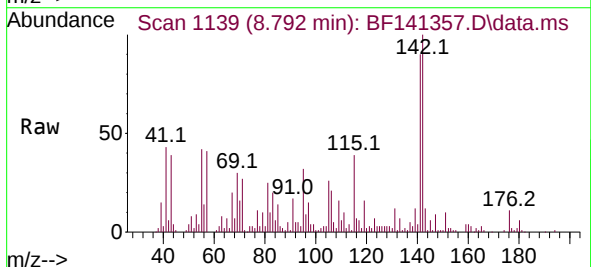
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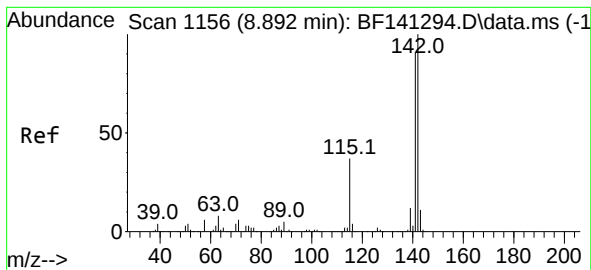
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#37
2-Methylnaphthalene
Concen: 3.039 ng
RT: 8.792 min Scan# 1139
Delta R.T. -0.006 min
Lab File: BF141357.D
Acq: 01 Feb 2025 02:44

Tgt Ion:142 Resp: 44428
Ion Ratio Lower Upper
142 100
141 89.6 71.3 106.9





#38

1-Methylnaphthalene

Concen: 2.162 ng

RT: 8.892 min Scan# 1156

Delta R.T. -0.006 min

Lab File: BF141357.D

Acq: 01 Feb 2025 02:44

Instrument :

BNA_F

ClientSampleId :

TR-06-01292025

Tgt Ion:142 Resp: 31052

Ion Ratio Lower Upper

142 100

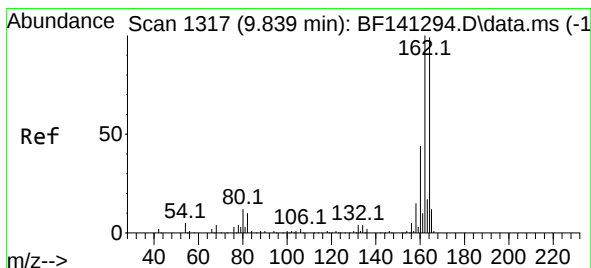
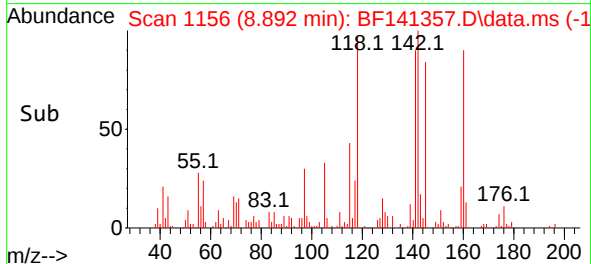
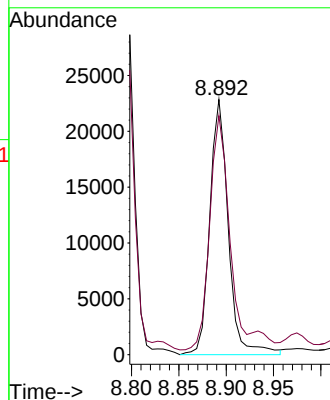
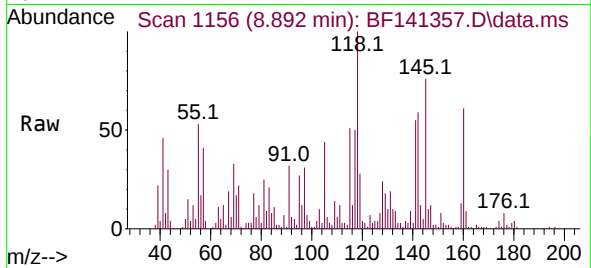
141 93.7 73.2 109.8

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.833 min Scan# 1316

Delta R.T. -0.006 min

Lab File: BF141357.D

Acq: 01 Feb 2025 02:44

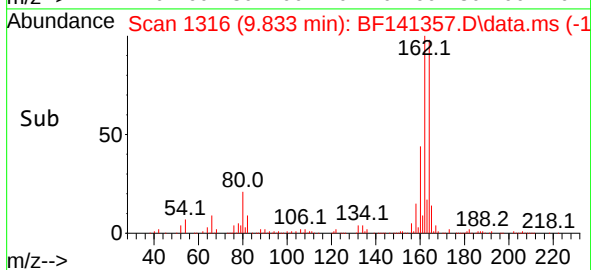
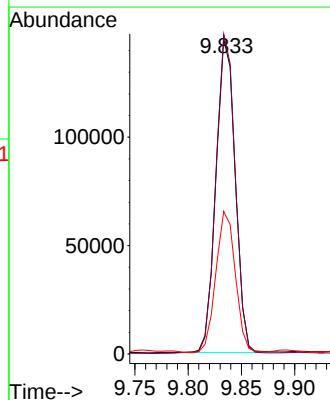
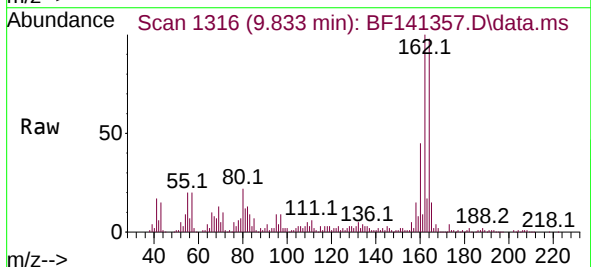
Tgt Ion:164 Resp: 181797

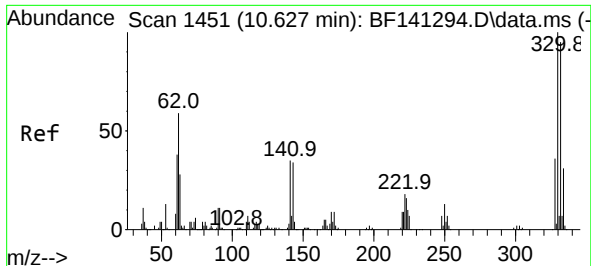
Ion Ratio Lower Upper

164 100

162 101.6 80.6 121.0

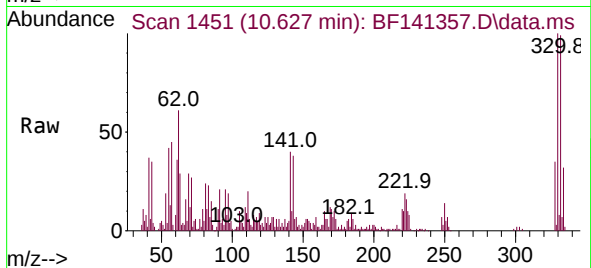
160 45.3 35.8 53.6





#42
2,4,6-Tribromophenol
Concen: 37.179 ng
RT: 10.627 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF141357.D
Acq: 01 Feb 2025 02:44

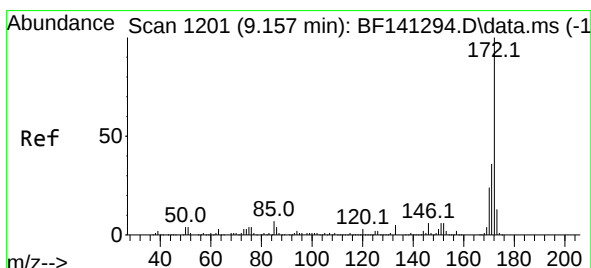
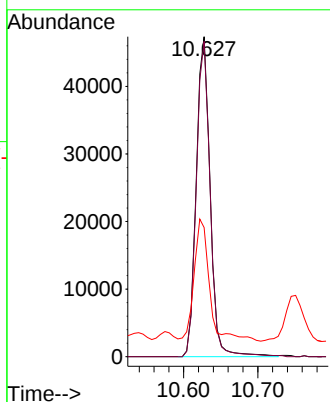
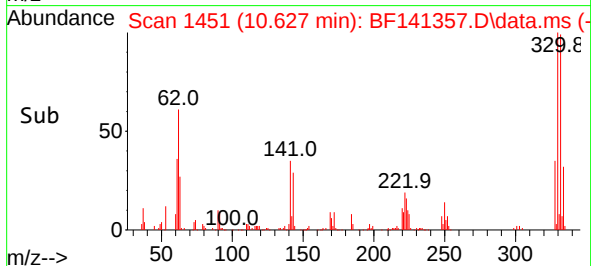
Instrument :
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ClientSampleId :
TR-06-01292025



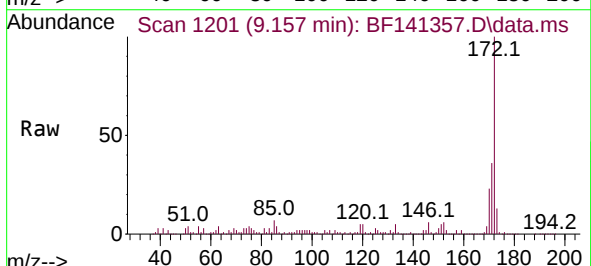
Tgt Ion: 330 Resp: 61964
Ion Ratio Lower Upper
330 100
332 97.7 76.1 114.1
141 42.5 28.8 43.2

Manual Integrations
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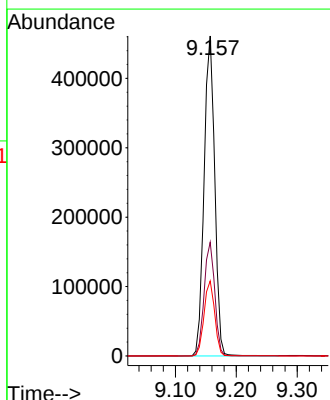
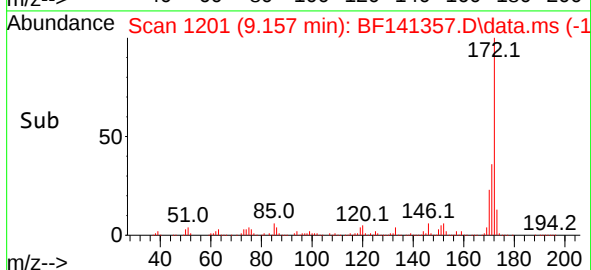
Reviewed By : Jagrut Upadhyay 02/03/2025
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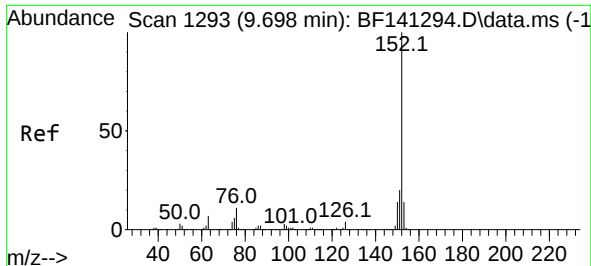


#45
2-Fluorobiphenyl
Concen: 47.526 ng
RT: 9.157 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF141357.D
Acq: 01 Feb 2025 02:44



Tgt Ion: 172 Resp: 561338
Ion Ratio Lower Upper
172 100
171 35.6 28.8 43.2
170 23.5 19.0 28.6





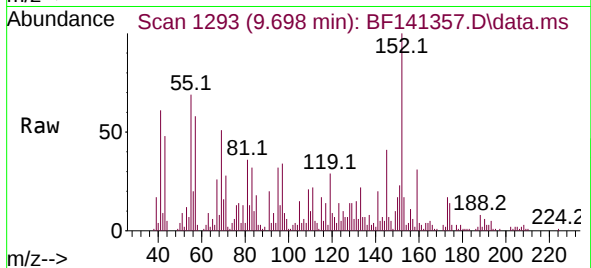
#49
Acenaphthylene
Concen: 2.586 ng
RT: 9.698 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF141357.D
Acq: 01 Feb 2025 02:44

Instrument :

BNA_F

ClientSampleId :

TR-06-01292025

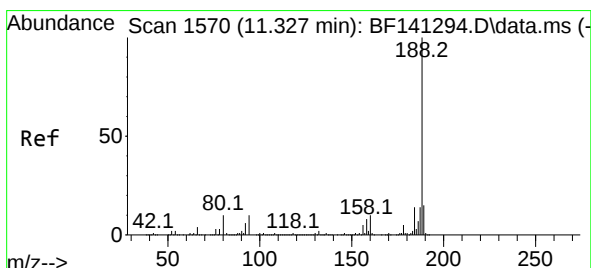
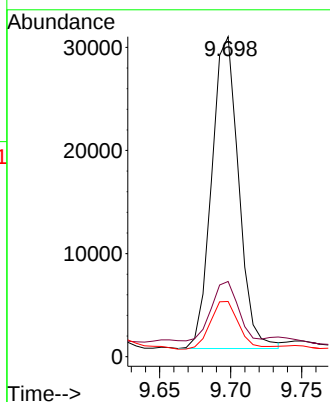
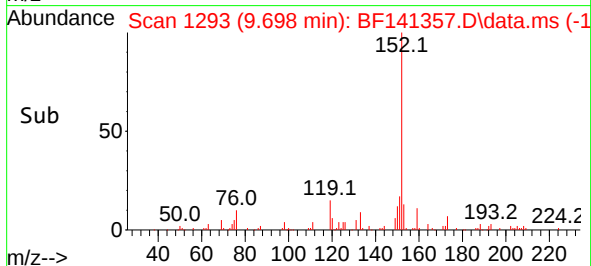


Tgt Ion:152 Resp: 40004
Ion Ratio Lower Upper
152 100
151 23.5 16.2 24.2
153 17.2 11.0 16.6

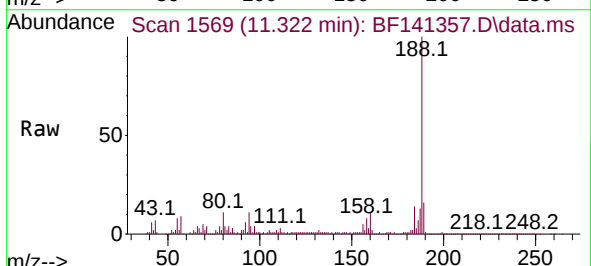
Manual Integrations

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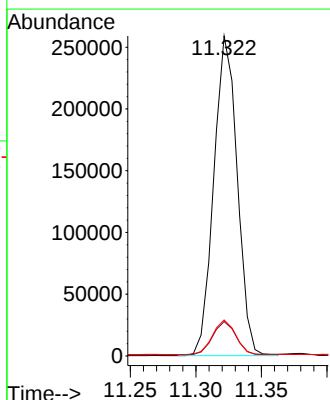
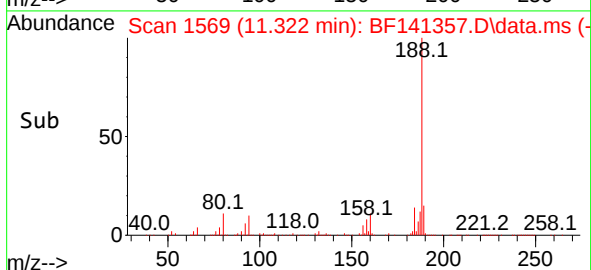
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

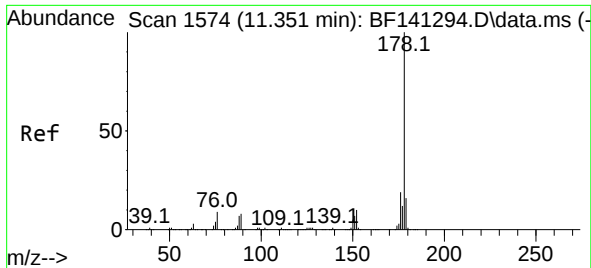


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF141357.D
Acq: 01 Feb 2025 02:44



Tgt Ion:188 Resp: 321775
Ion Ratio Lower Upper
188 100
94 10.7 7.8 11.6
80 11.2 8.2 12.4





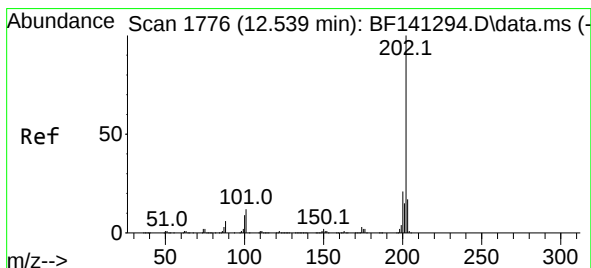
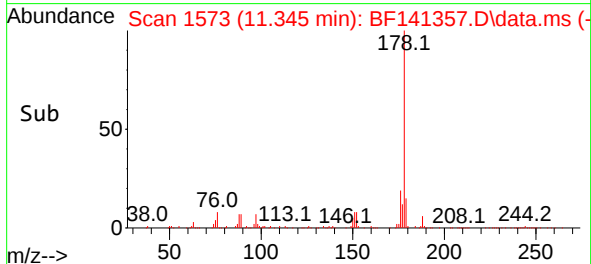
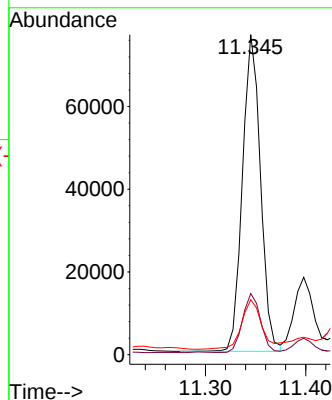
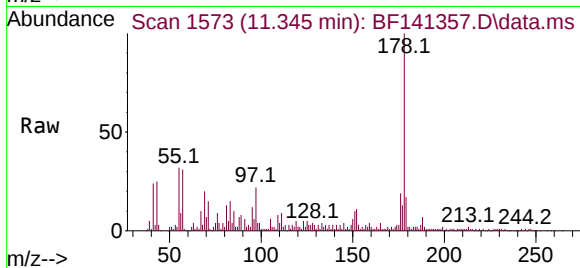
#71
Phenanthrene
Concen: 5.543 ng
RT: 11.345 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141357.D
Acq: 01 Feb 2025 02:44

Instrument :
BNA_F
ClientSampleId :
TR-06-01292025

Tgt Ion:178 Resp: 95880
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 17.2 12.5 18.7

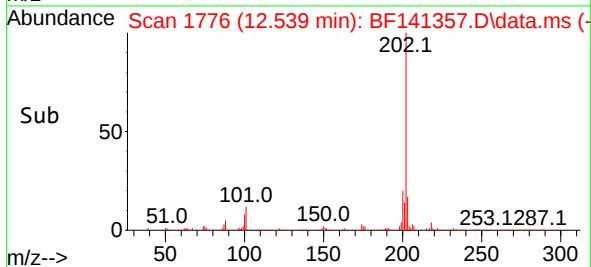
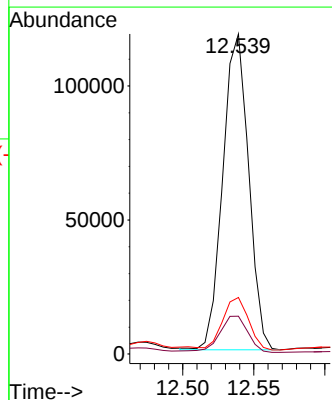
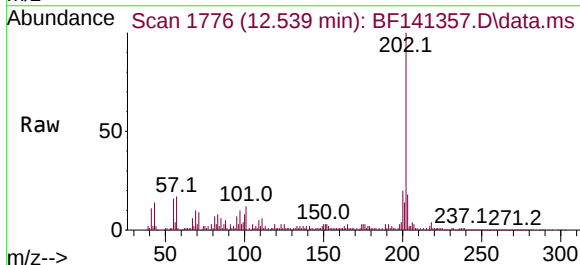
Manual Integrations
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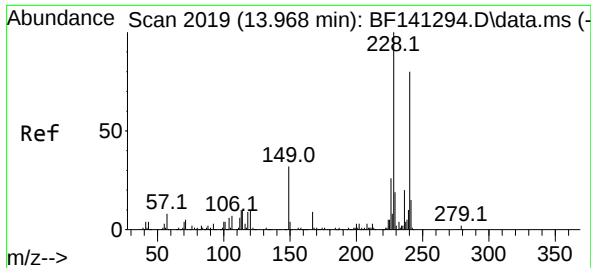
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#75
Fluoranthene
Concen: 8.727 ng
RT: 12.539 min Scan# 1776
Delta R.T. -0.000 min
Lab File: BF141357.D
Acq: 01 Feb 2025 02:44

Tgt Ion:202 Resp: 149053
Ion Ratio Lower Upper
202 100
101 11.8 0.0 31.7
203 17.6 0.0 37.5





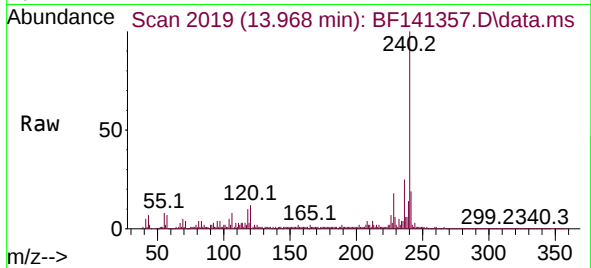
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF141357.D
Acq: 01 Feb 2025 02:44

Instrument :

BNA_F

ClientSampleId :

TR-06-01292025

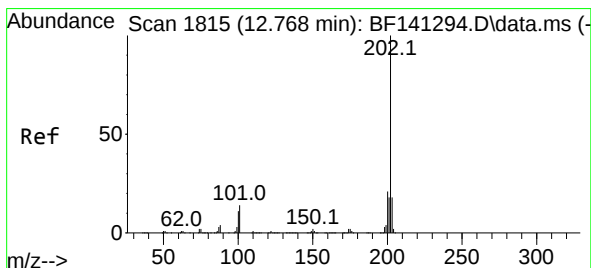
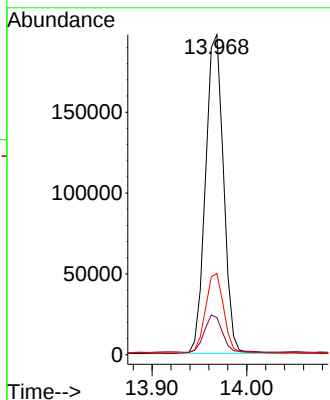
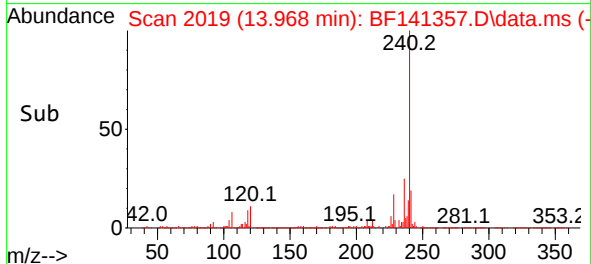


Tgt Ion:240 Resp: 260524
Ion Ratio Lower Upper
240 100
120 11.6 10.0 15.0
236 25.4 19.7 29.5

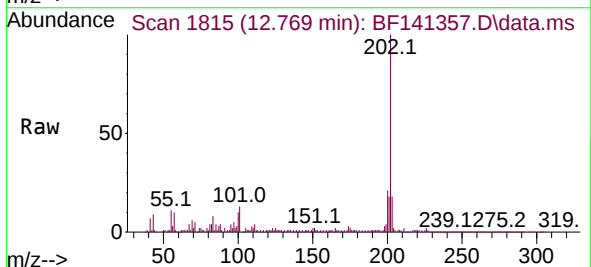
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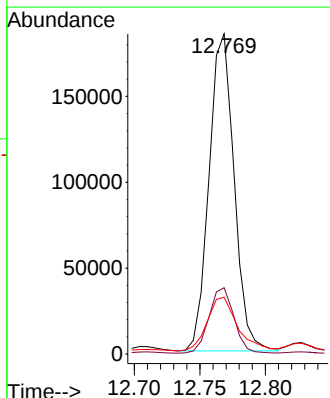
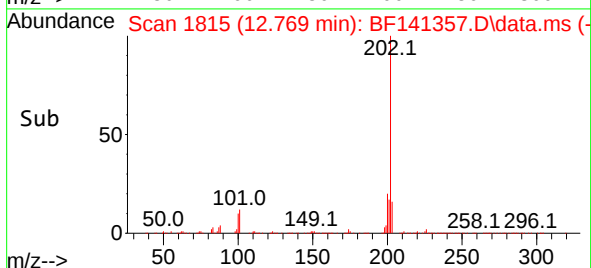
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

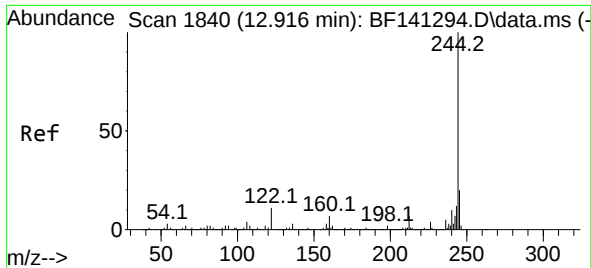


#78
Pyrene
Concen: 9.833 ng
RT: 12.769 min Scan# 1815
Delta R.T. -0.000 min
Lab File: BF141357.D
Acq: 01 Feb 2025 02:44



Tgt Ion:202 Resp: 245898
Ion Ratio Lower Upper
202 100
200 20.7 17.0 25.4
203 17.7 14.3 21.5





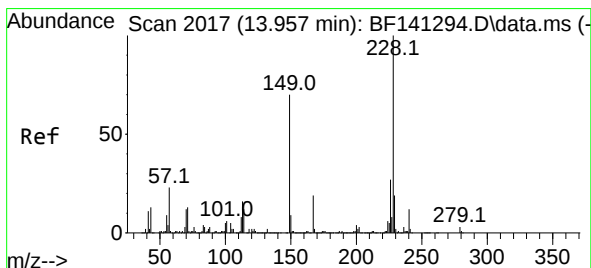
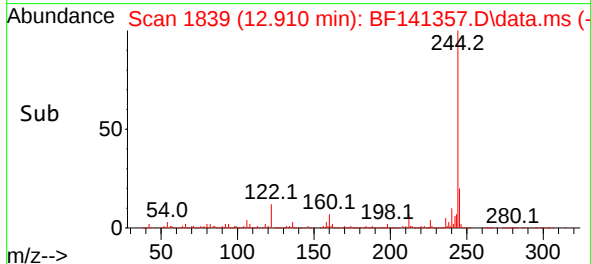
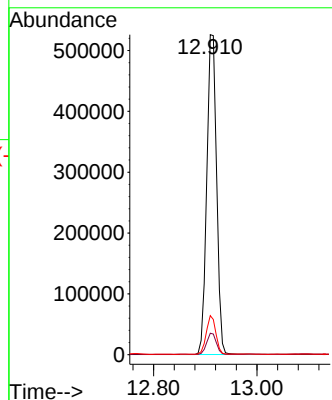
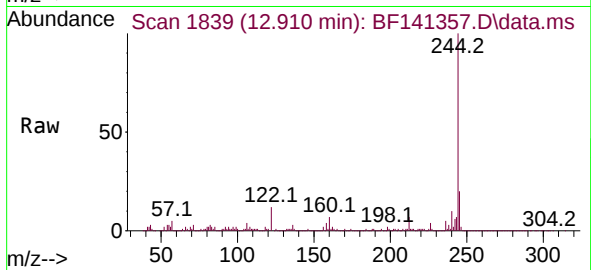
#79
Terphenyl-d14
Concen: 41.110 ng
RT: 12.910 min Scan# 1840
Delta R.T. -0.006 min
Lab File: BF141357.D
Acq: 01 Feb 2025 02:44

Instrument :
BNA_F
ClientSampleId :
TR-06-01292025

Tgt Ion:244 Resp: 694470
Ion Ratio Lower Upper
244 100
212 6.7 5.4 8.0
122 12.2 8.8 13.2

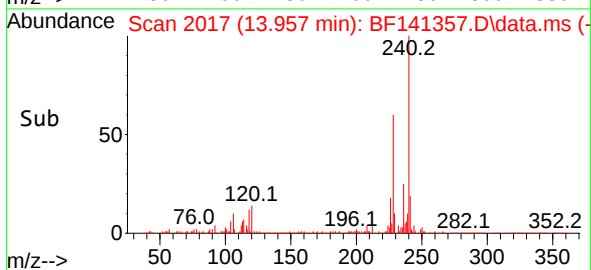
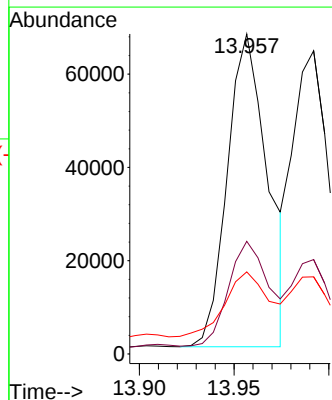
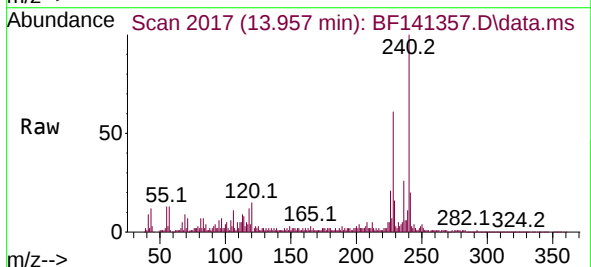
Manual Integrations
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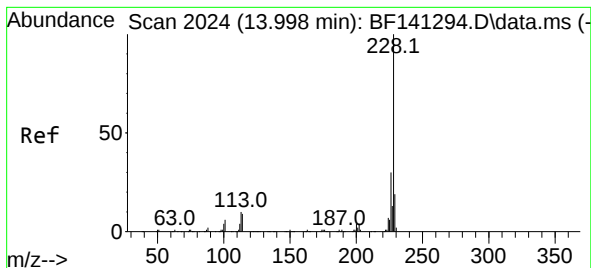
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#81
Benzo(a)anthracene
Concen: 5.525 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF141357.D
Acq: 01 Feb 2025 02:44

Tgt Ion:228 Resp: 99321
Ion Ratio Lower Upper
228 100
226 35.2 21.4 32.2#
229 25.6 15.5 23.3#





#83

Chrysene

Concen: 5.125 ng

RT: 13.992 min Scan# 2024

Delta R.T. -0.006 min

Lab File: BF141357.D

Acq: 01 Feb 2025 02:44

Instrument :

BNA_F

ClientSampleId :

TR-06-01292025

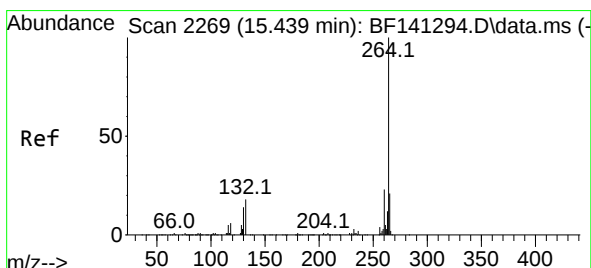
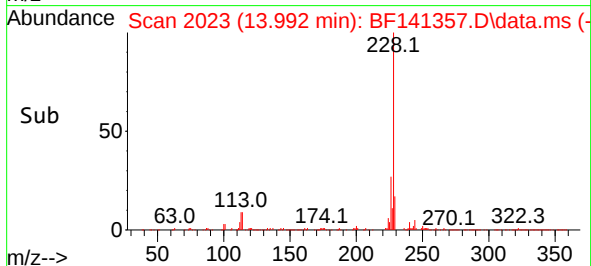
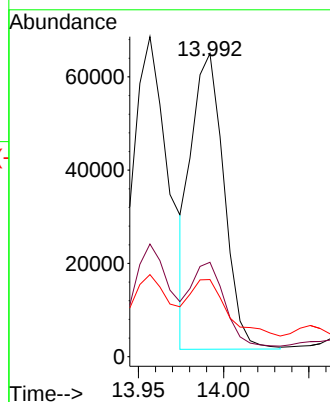
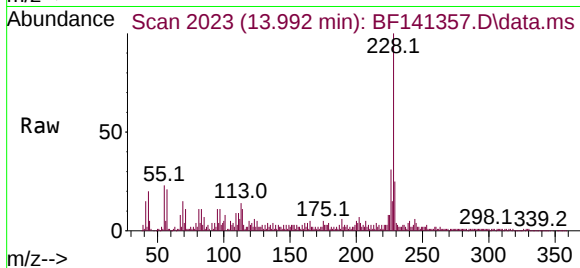
Tgt Ion:228 Resp: 8443

Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.1	36.1
229	25.4	15.6	23.4

Manual Integrations

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Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.421 min Scan# 2266

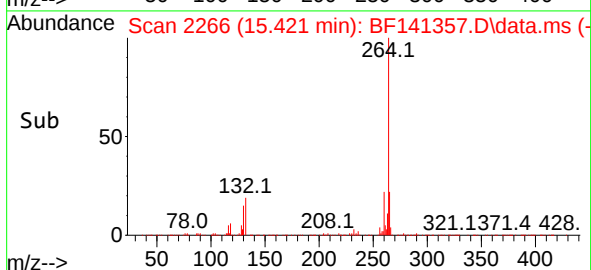
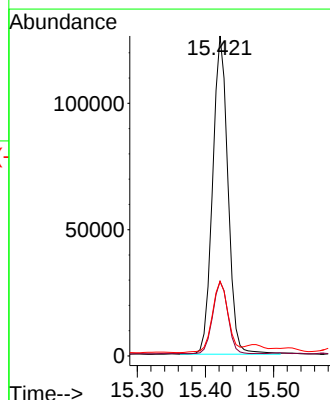
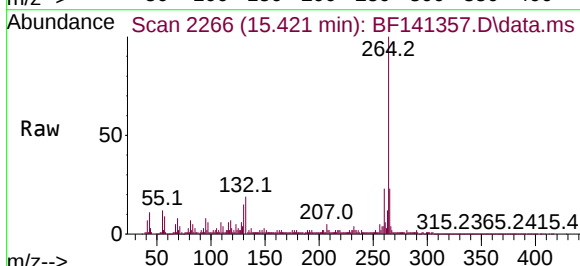
Delta R.T. -0.018 min

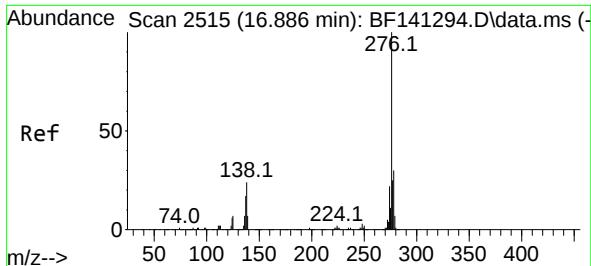
Lab File: BF141357.D

Acq: 01 Feb 2025 02:44

Tgt Ion:264 Resp: 197298

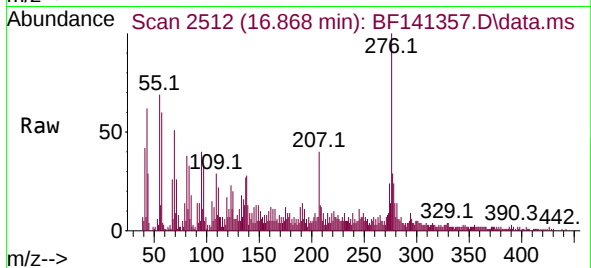
Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	27.8
265	23.3	16.7	25.1





#87
Indeno(1,2,3-cd)pyrene
Concen: 2.774 ng
RT: 16.868 min Scan# 2195
Delta R.T. -0.030 min
Lab File: BF141357.D
Acq: 01 Feb 2025 02:44

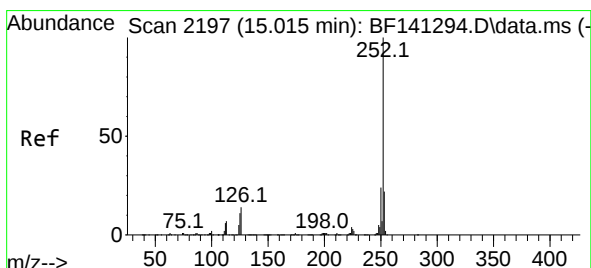
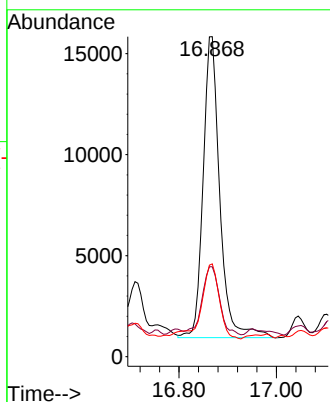
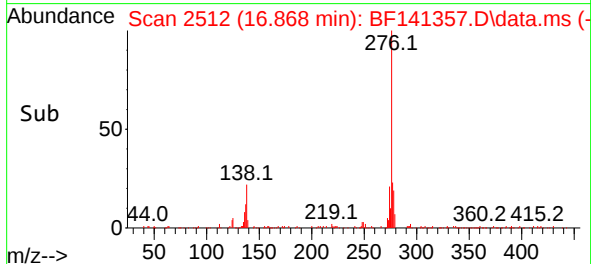
Instrument :
BNA_F
ClientSampleId :
TR-06-01292025



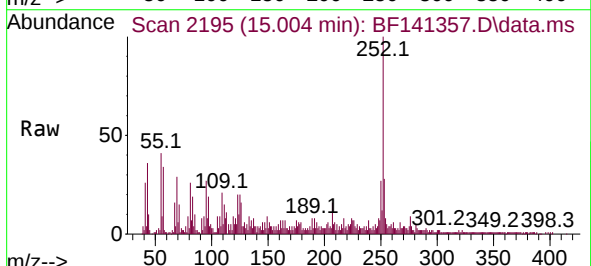
Tgt Ion:276 Resp: 35324
Ion Ratio Lower Upper
276 100
138 25.0 21.7 32.5
277 27.9 20.3 30.5

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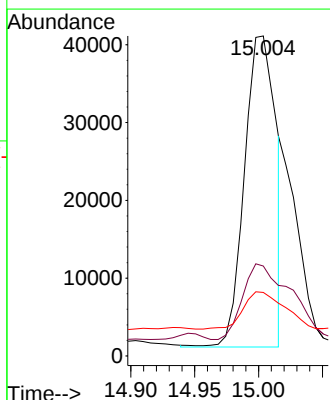
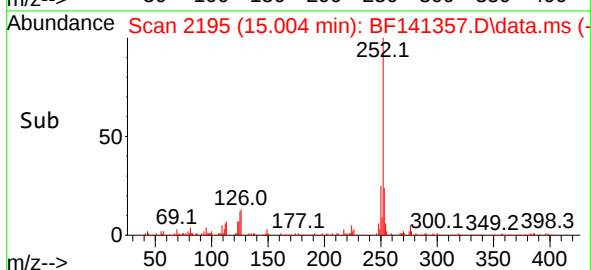
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

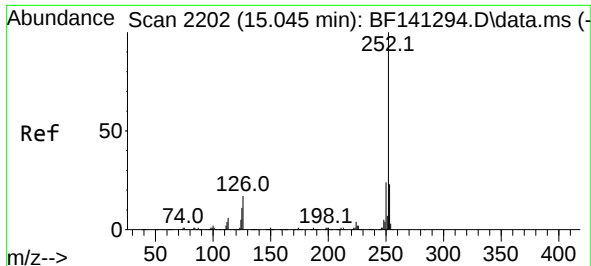


#88
Benzo(b)fluoranthene
Concen: 5.519 ng m
RT: 15.004 min Scan# 2195
Delta R.T. -0.018 min
Lab File: BF141357.D
Acq: 01 Feb 2025 02:44



Tgt Ion:252 Resp: 68491
Ion Ratio Lower Upper
252 100
253 28.1 17.4 26.2#
125 19.9 8.6 12.8#





#89

Benzo(k)fluoranthene

Concen: 2.176 ng m

RT: 15.015 min Scan# 2197

Delta R.T. -0.035 min

Lab File: BF141357.D

Acq: 01 Feb 2025 02:44

Instrument :

BNA_F

ClientSampleId :

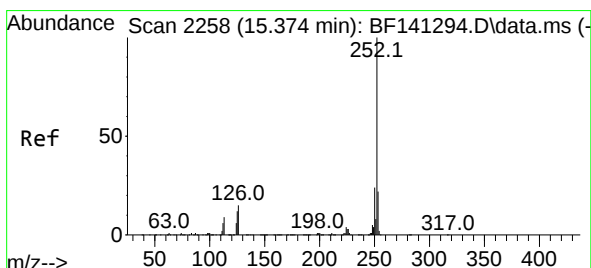
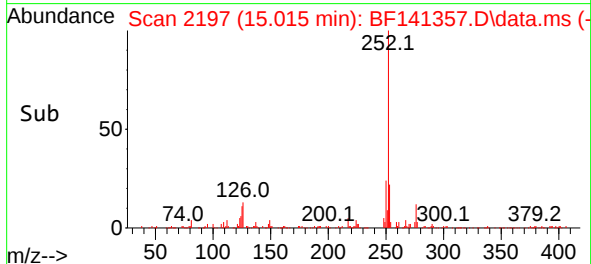
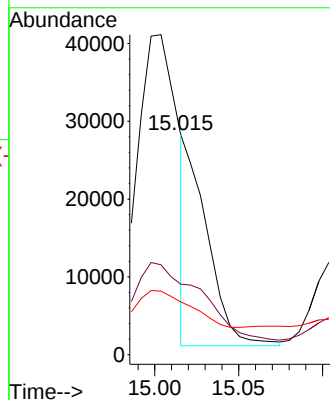
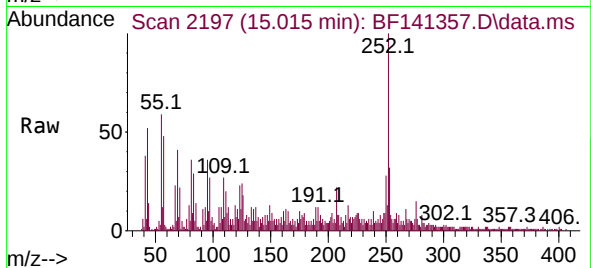
TR-06-01292025

Tgt Ion:252 Resp: 23927
 Ion Ratio Lower Upper
 252 100
 253 32.0 17.6 26.4
 125 24.0 8.4 12.6

Manual Integrations

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Reviewed By :Jagrut Upadhyay 02/03/2025
 Supervised By :mohammad ahmed 02/04/2025



#90

Benzo(a)pyrene

Concen: 6.328 ng

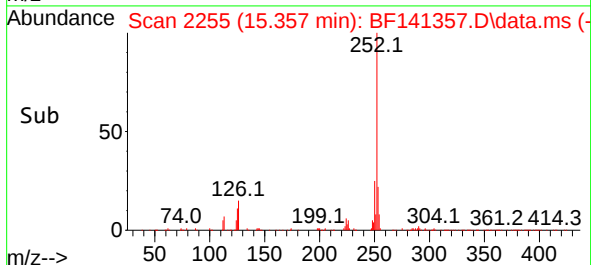
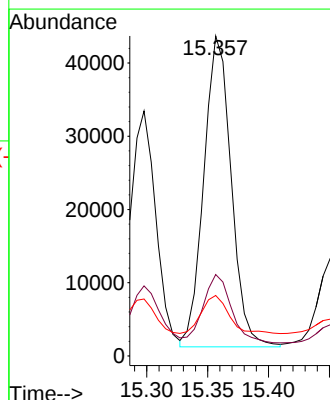
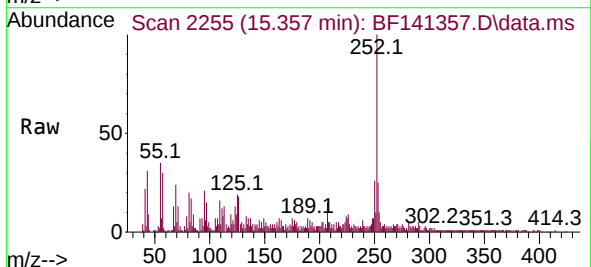
RT: 15.357 min Scan# 2255

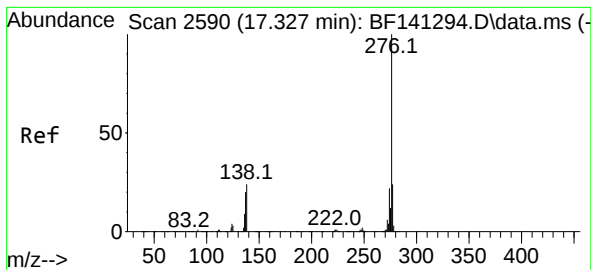
Delta R.T. -0.024 min

Lab File: BF141357.D

Acq: 01 Feb 2025 02:44

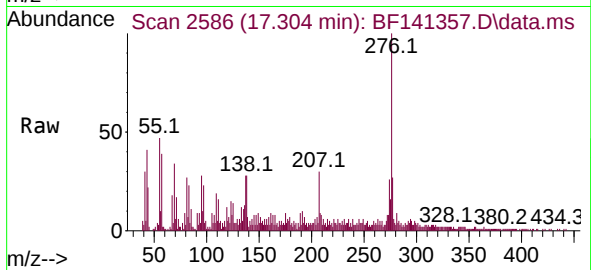
Tgt Ion:252 Resp: 66362
 Ion Ratio Lower Upper
 252 100
 253 25.5 17.2 25.8
 125 18.9 9.4 14.2





#92
Benzo(g,h,i)perylene
Concen: 4.778 ng
RT: 17.304 min Scan# 2586
Delta R.T. -0.041 min
Lab File: BF141357.D
Acq: 01 Feb 2025 02:44

Instrument :
BNA_F
ClientSampleId :
TR-06-01292025



Tgt Ion:276 Resp: 50898
Ion Ratio Lower Upper
276 100
277 27.0 19.2 28.8
138 27.5 19.0 28.4

Manual Integrations
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Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

