

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101624\
 Data File : BF139830.D
 Acq On : 16 Oct 2024 15:40
 Operator : RC/JU
 Sample : P4406-01 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-101524

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/17/2024
 Supervised By :mohammad ahmed 10/17/2024

Quant Time: Oct 16 16:04:49 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 15 16:41:54 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	81929	20.000	ng	0.00
21) Naphthalene-d8	8.134	136	297982	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	144100	20.000	ng	0.00
64) Phenanthrene-d10	11.375	188	230353	20.000	ng	0.00
76) Chrysene-d12	14.016	240	167078	20.000	ng	0.00
86) Perylene-d12	15.480	264	120234	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	85529	17.614	ng	-0.01
7) Phenol-d6	6.481	99	112038	17.350	ng	-0.01
23) Nitrobenzene-d5	7.410	82	67128	11.595	ng	-0.01
42) 2,4,6-Tribromophenol	10.675	330	19157	15.763	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	128928	13.382	ng	0.00
79) Terphenyl-d14	12.957	244	118617	5.929	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.751	152	56569	4.627	ng	100
58) Fluorene	10.433	166	20501	2.268	ng	# 96
71) Phenanthrene	11.398	178	125168	11.376	ng	99
72) Anthracene	11.451	178	34368	3.179	ng	98
75) Fluoranthene	12.586	202	176067	16.959	ng	99
78) Pyrene	12.816	202	229803	13.992	ng	99
81) Benzo(a)anthracene	14.004	228	111980m	10.090	ng	
83) Chrysene	14.039	228	100891	9.974	ng	96
87) Indeno(1,2,3-cd)pyrene	16.951	276	37968	4.716	ng	95
88) Benzo(b)fluoranthene	15.057	252	102751m	14.899	ng	
89) Benzo(k)fluoranthene	15.074	252	26232m	4.286	ng	
90) Benzo(a)pyrene	15.421	252	67732	11.244	ng	# 94
92) Benzo(g,h,i)perylene	17.392	276	42433	6.127	ng	94

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

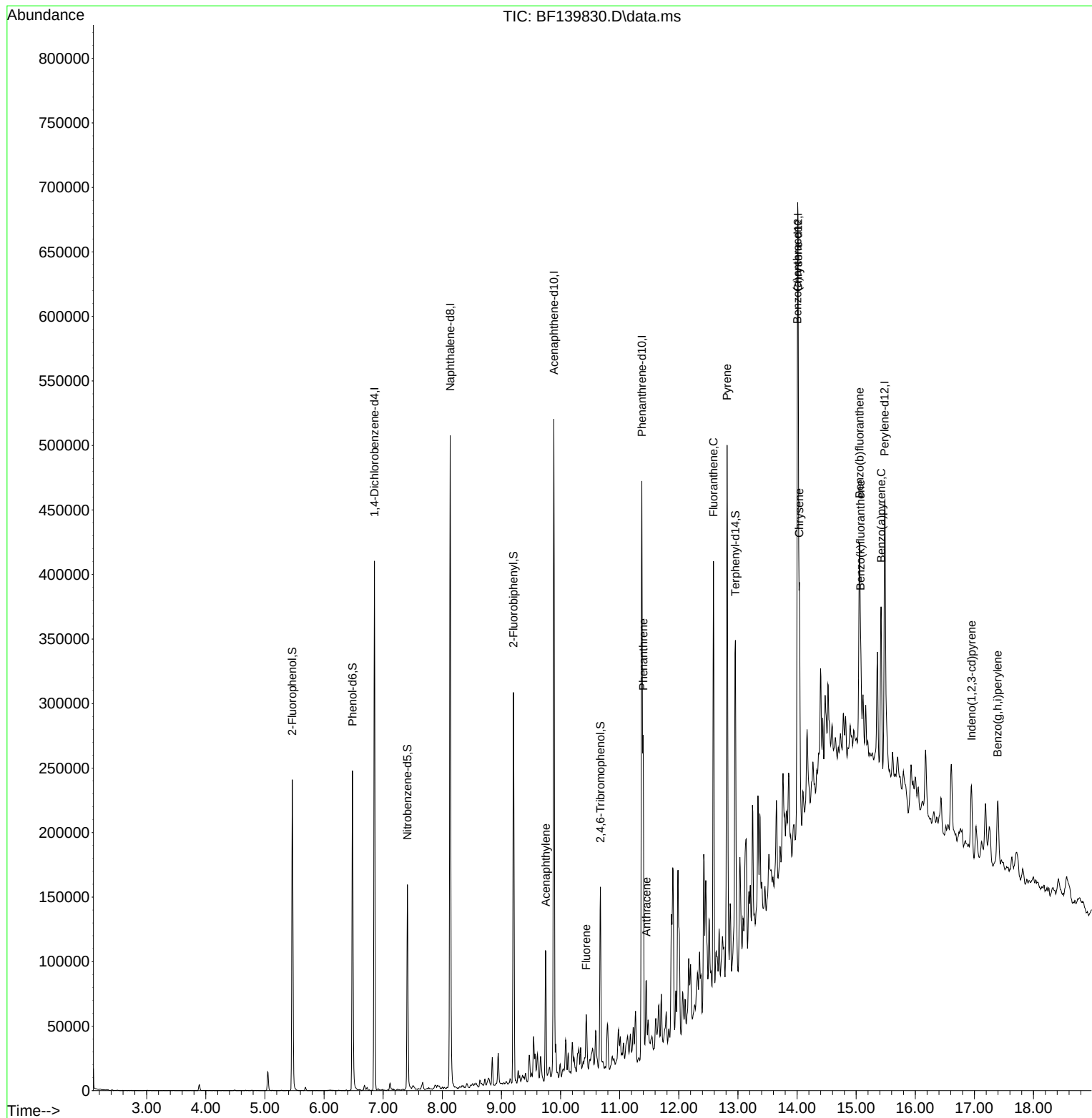
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101624\
Data File : BF139830.D
Acq On : 16 Oct 2024 15:40
Operator : RC/JU
Sample : P4406-01 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

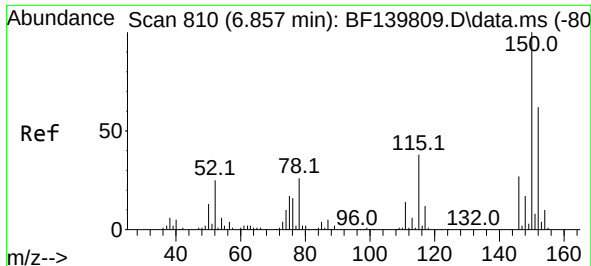
Instrument :
BNA_F
ClientSampleId :
OK-02-101524

Quant Time: Oct 16 16:04:49 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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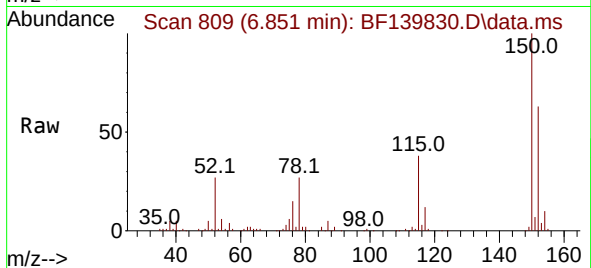
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 809
Delta R.T. -0.006 min
Lab File: BF139830.D
Acq: 16 Oct 2024 15:40

Instrument :

BNA_F

ClientSampleId :

OK-02-101524



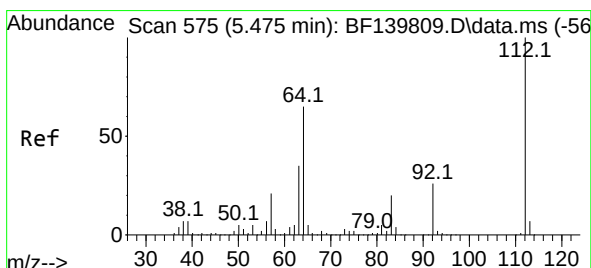
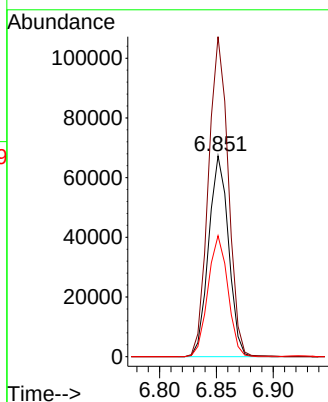
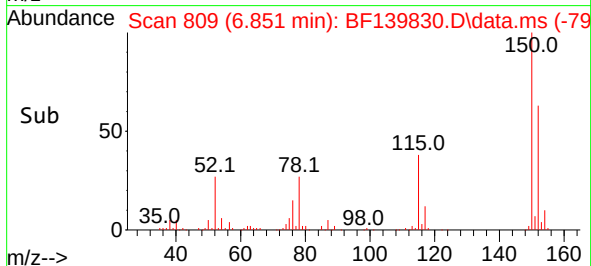
Tgt Ion:152 Resp: 81929
Ion Ratio Lower Upper
152 100
150 159.4 128.2 192.2
115 60.3 48.1 72.1

Manual Integrations

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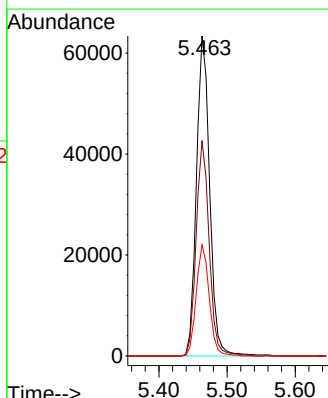
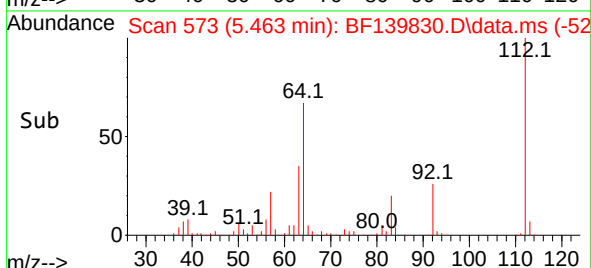
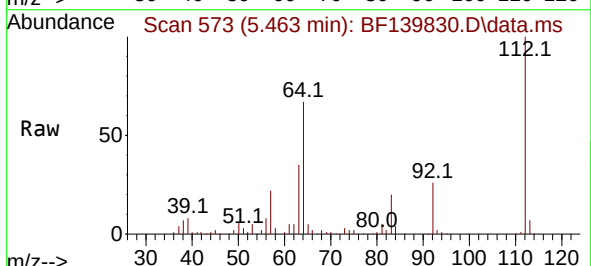
Reviewed By :Yogesh Patel 10/17/2024

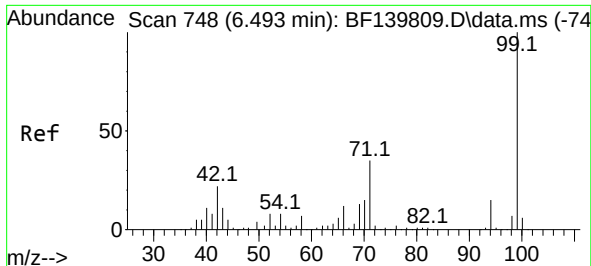
Supervised By :mohammad ahmed 10/17/2024



#5
2-Fluorophenol
Concen: 17.614 ng
RT: 5.463 min Scan# 573
Delta R.T. -0.012 min
Lab File: BF139830.D
Acq: 16 Oct 2024 15:40

Tgt Ion:112 Resp: 85529
Ion Ratio Lower Upper
112 100
64 67.3 52.1 78.1
63 34.7 27.6 41.4





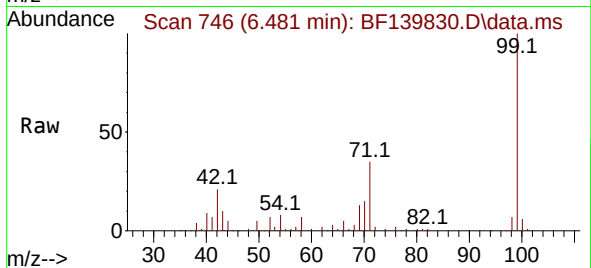
#7
Phenol-d6
Concen: 17.350 ng
RT: 6.481 min Scan# 748
Delta R.T. -0.012 min
Lab File: BF139830.D
Acq: 16 Oct 2024 15:40

Instrument :

BNA_F

ClientSampleId :

OK-02-101524

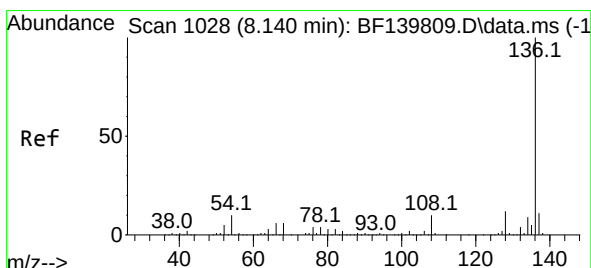
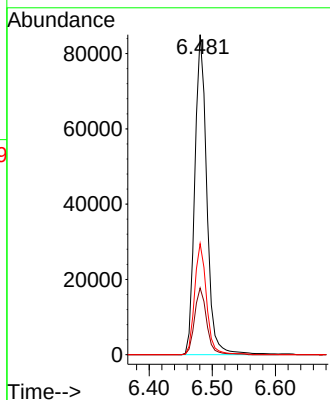
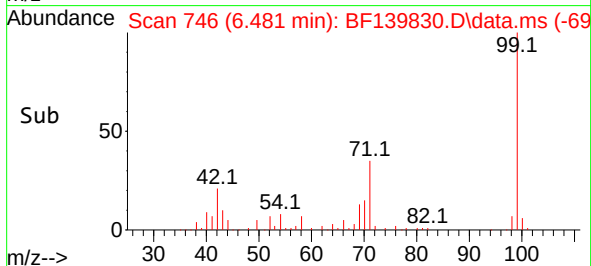


Tgt Ion: 99 Resp: 112038
Ion Ratio Lower Upper
99 100
42 20.9 17.3 25.9
71 34.7 27.8 41.6

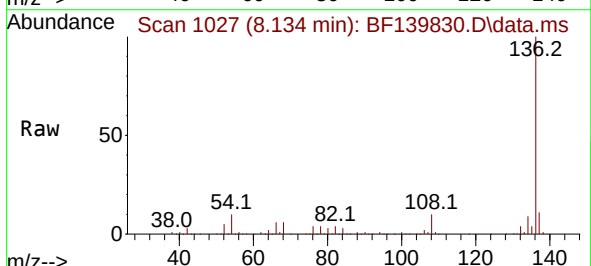
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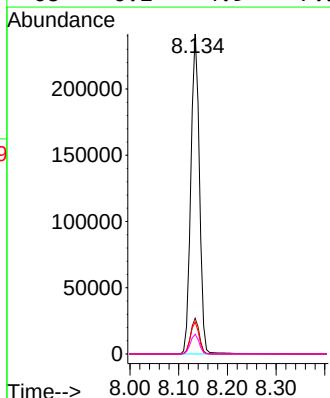
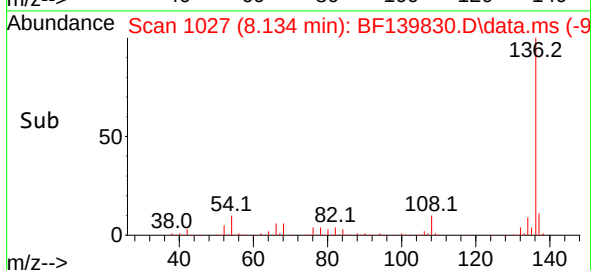
Reviewed By :Yogesh Patel 10/17/2024
Supervised By :mohammad ahmed 10/17/2024

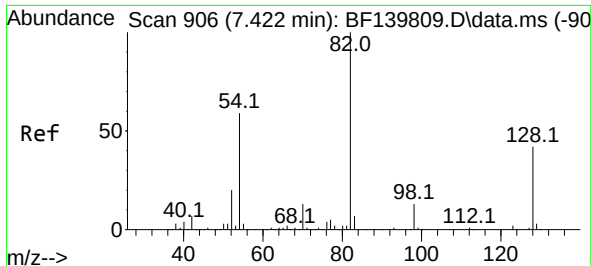


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.134 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BF139830.D
Acq: 16 Oct 2024 15:40



Tgt Ion:136 Resp: 297982
Ion Ratio Lower Upper
136 100
137 11.1 8.5 12.7
54 9.9 7.7 11.5
68 6.2 4.9 7.3





#23
Nitrobenzene-d5
Concen: 11.595 ng
RT: 7.410 min Scan# 906
Delta R.T. -0.012 min
Lab File: BF139830.D
Acq: 16 Oct 2024 15:40

Instrument :

BNA_F

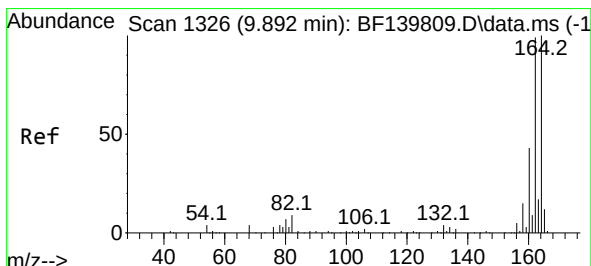
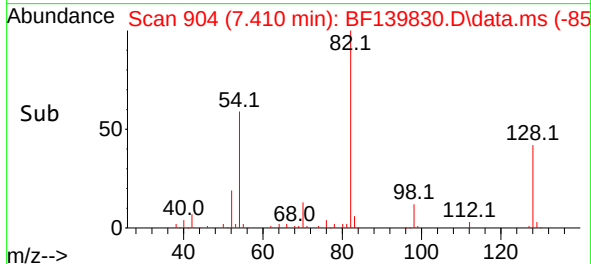
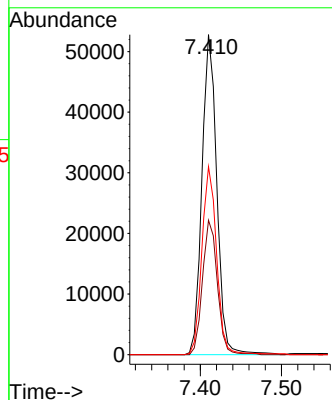
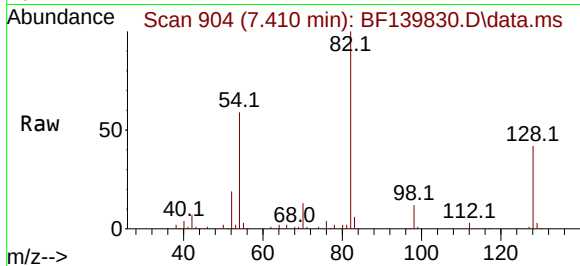
ClientSampleId :

OK-02-101524

Tgt Ion: 82 Resp: 67128
Ion Ratio Lower Upper
82 100
128 42.0 33.9 50.9
54 58.7 46.9 70.3

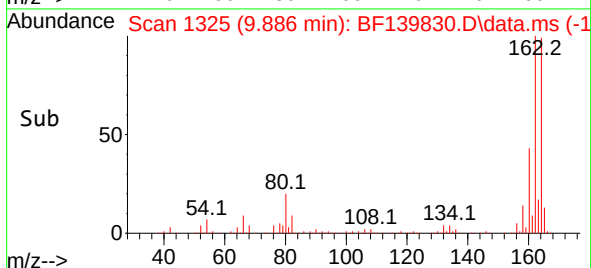
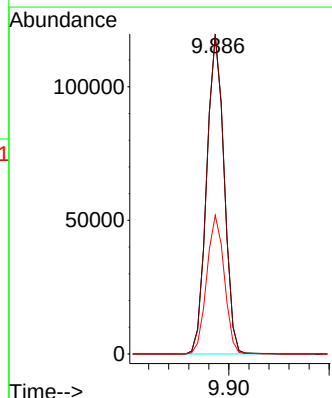
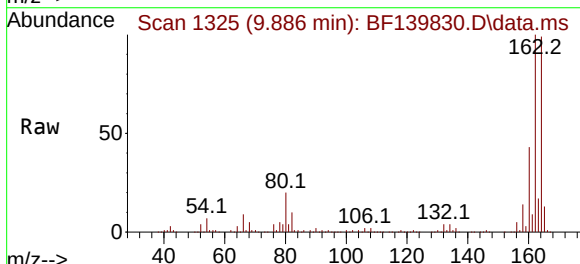
Manual Integrations
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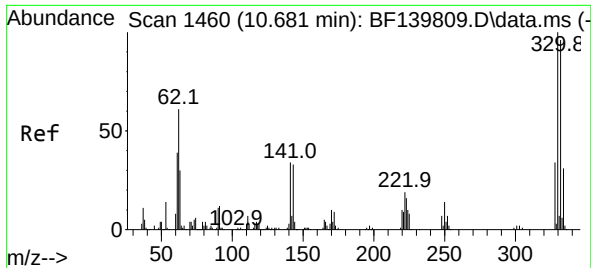
Reviewed By :Yogesh Patel 10/17/2024
Supervised By :mohammad ahmed 10/17/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1325
Delta R.T. -0.006 min
Lab File: BF139830.D
Acq: 16 Oct 2024 15:40

Tgt Ion:164 Resp: 144100
Ion Ratio Lower Upper
164 100
162 100.6 79.1 118.7
160 43.6 34.4 51.6





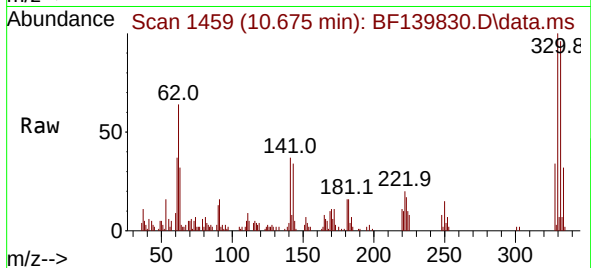
#42
2,4,6-Tribromophenol
Concen: 15.763 ng
RT: 10.675 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF139830.D
Acq: 16 Oct 2024 15:40

Instrument :

BNA_F

ClientSampleId :

OK-02-101524



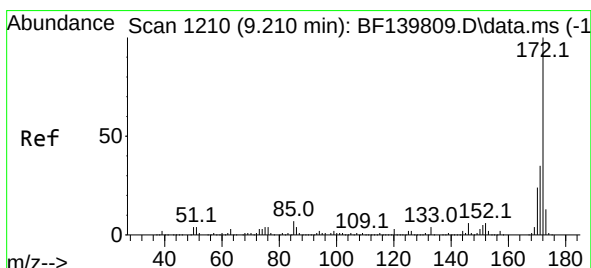
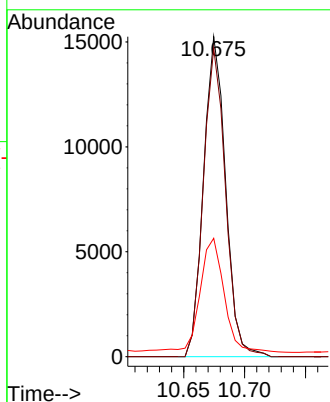
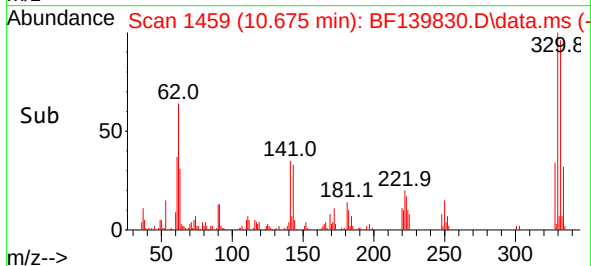
Tgt Ion: 330 Resp: 1915
Ion Ratio Lower Upper
330 100
332 96.5 76.6 114.8
141 39.7 27.8 41.6

Manual Integrations

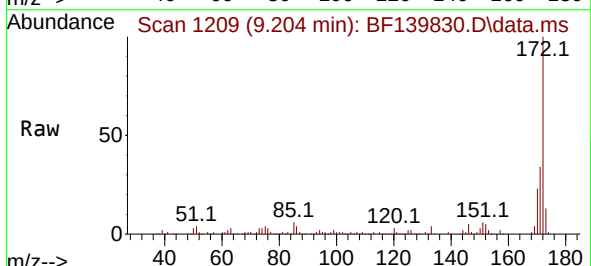
APPROVED

Reviewed By : Yogesh Patel 10/17/2024

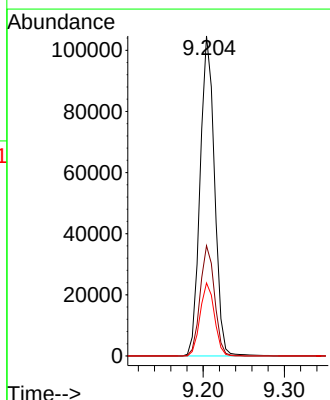
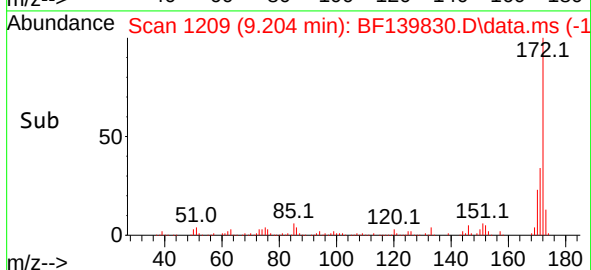
Supervised By : mohammad ahmed 10/17/2024

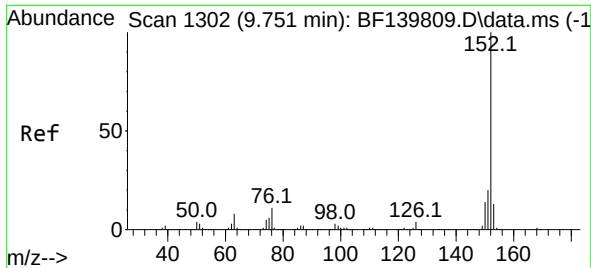


#45
2-Fluorobiphenyl
Concen: 13.382 ng
RT: 9.204 min Scan# 1209
Delta R.T. -0.006 min
Lab File: BF139830.D
Acq: 16 Oct 2024 15:40



Tgt Ion: 172 Resp: 128928
Ion Ratio Lower Upper
172 100
171 34.4 28.2 42.2
170 22.8 18.9 28.3





#49
Acenaphthylene
Concen: 4.627 ng
RT: 9.751 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139830.D
Acq: 16 Oct 2024 15:40

Instrument :

BNA_F

ClientSampleId :

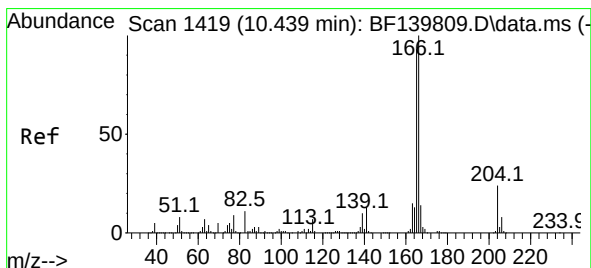
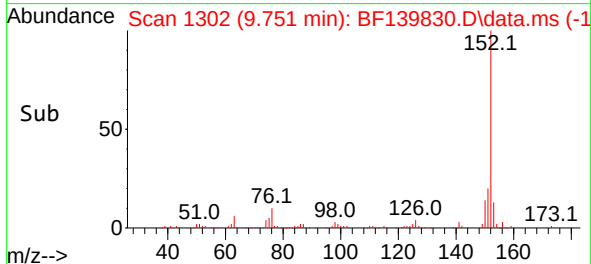
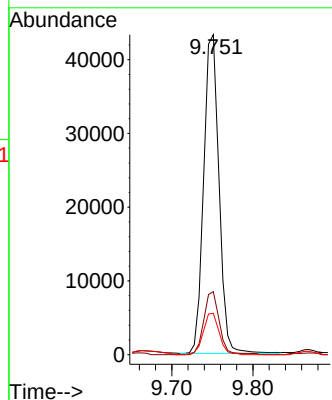
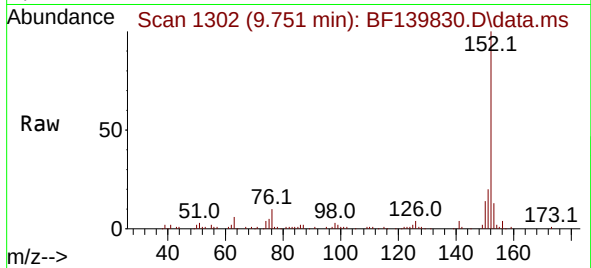
OK-02-101524

Tgt Ion:152 Resp: 56569
Ion Ratio Lower Upper
152 100
151 19.7 16.0 24.0
153 13.0 10.4 15.6

Manual Integrations

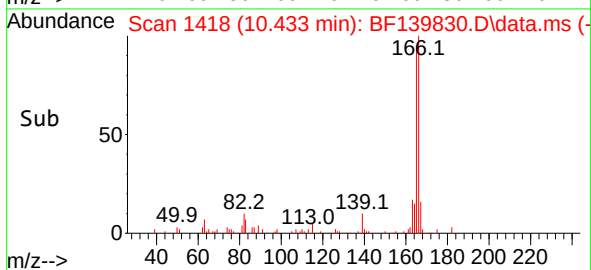
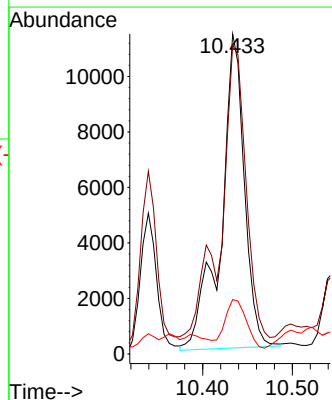
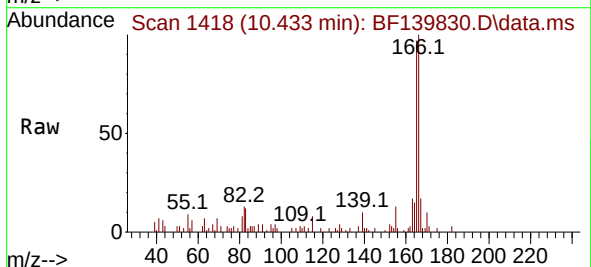
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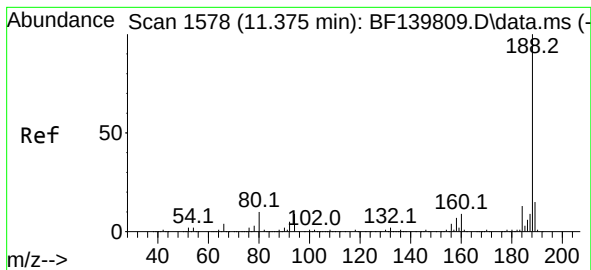
Reviewed By :Yogesh Patel 10/17/2024
Supervised By :mohammad ahmed 10/17/2024



#58
Fluorene
Concen: 2.268 ng
RT: 10.433 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF139830.D
Acq: 16 Oct 2024 15:40

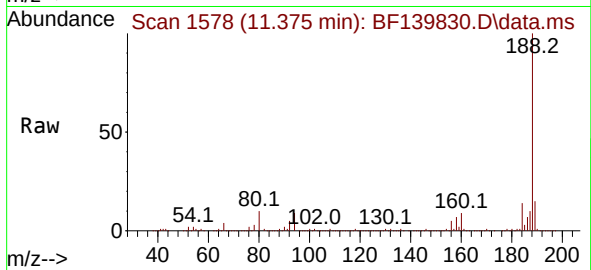
Tgt Ion:166 Resp: 20501
Ion Ratio Lower Upper
166 100
165 96.5 74.5 111.7
167 17.0 10.8 16.2#





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.375 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139830.D
Acq: 16 Oct 2024 15:40

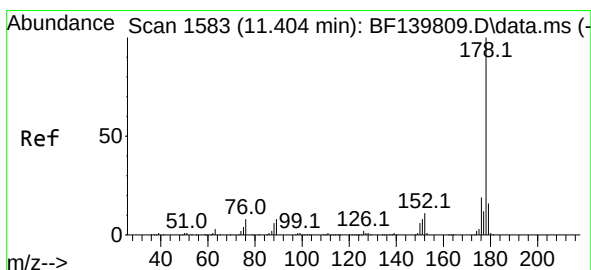
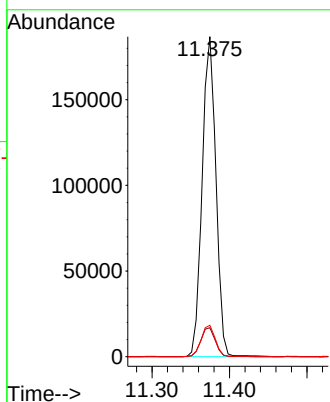
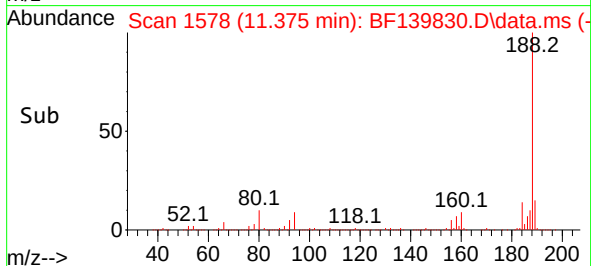
Instrument :
BNA_F
ClientSampleId :
OK-02-101524



Tgt Ion:188 Resp: 23035
Ion Ratio Lower Upper
188 100
94 9.1 7.3 10.9
80 9.8 7.8 11.8

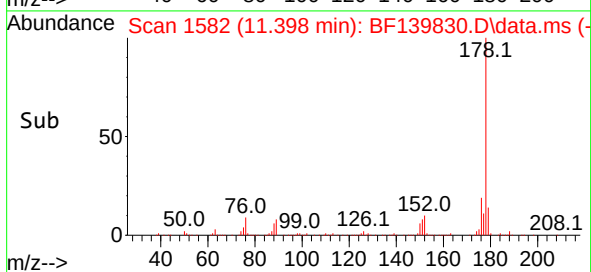
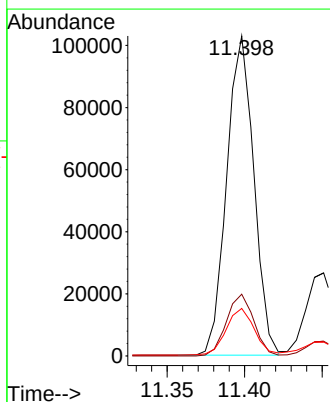
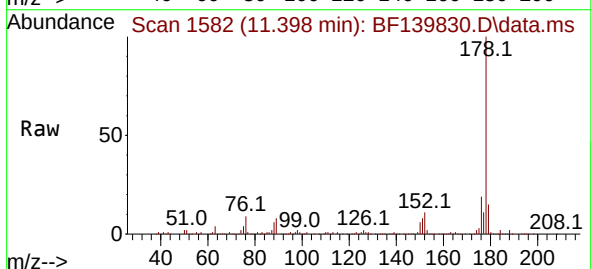
Manual Integrations
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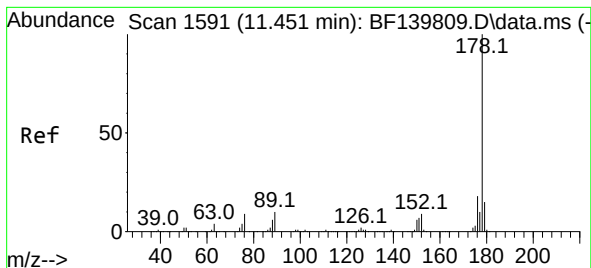
Reviewed By :Yogesh Patel 10/17/2024
Supervised By :mohammad ahmed 10/17/2024



#71
Phenanthrene
Concen: 11.376 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF139830.D
Acq: 16 Oct 2024 15:40

Tgt Ion:178 Resp: 125168
Ion Ratio Lower Upper
178 100
176 19.3 15.5 23.3
179 14.8 12.5 18.7





#72

Anthracene

Concen: 3.179 ng

RT: 11.451 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF139830.D

Acq: 16 Oct 2024 15:40

Instrument :

BNA_F

ClientSampleId :

OK-02-101524

Tgt Ion:178 Resp: 3436

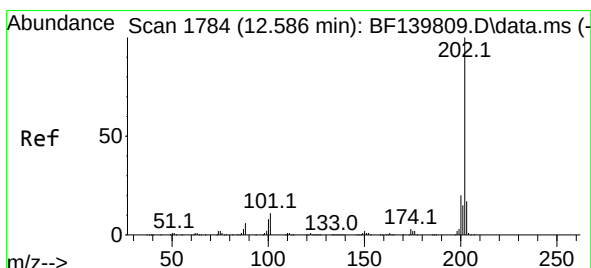
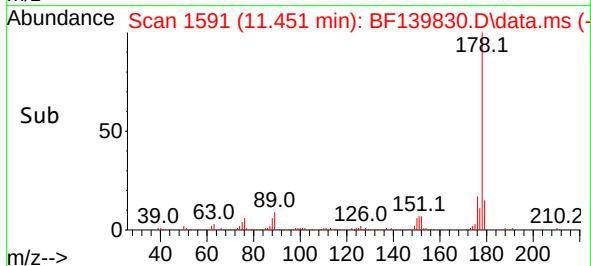
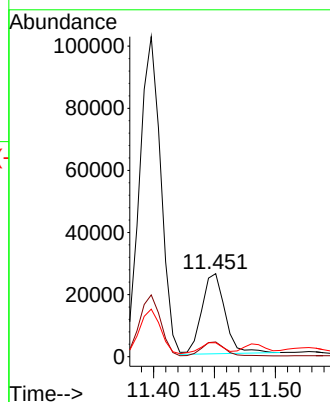
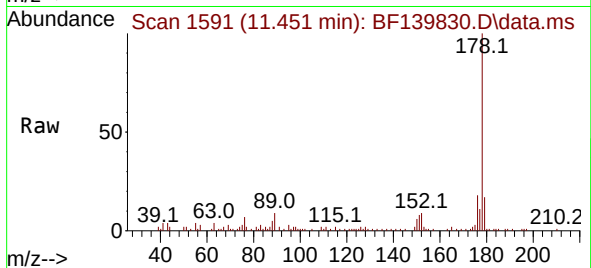
Ion	Ratio	Lower	Upper
178	100		
176	17.8	14.6	21.8
179	16.9	12.4	18.6

Manual Integrations

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Reviewed By :Yogesh Patel 10/17/2024

Supervised By :mohammad ahmed 10/17/2024



#75

Fluoranthene

Concen: 16.959 ng

RT: 12.586 min Scan# 1784

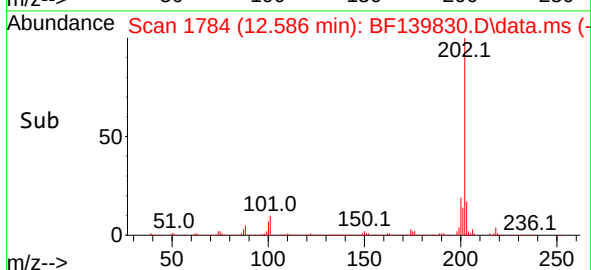
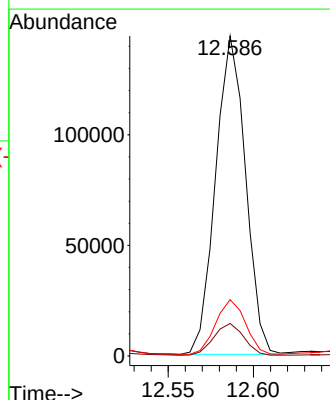
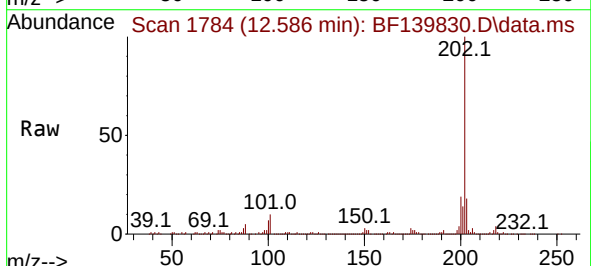
Delta R.T. -0.000 min

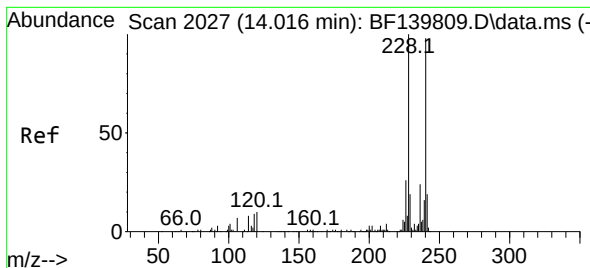
Lab File: BF139830.D

Acq: 16 Oct 2024 15:40

Tgt Ion:202 Resp: 176067

Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	30.8
203	17.6	0.0	37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.016 min Scan# 2027

Delta R.T. -0.000 min

Lab File: BF139830.D

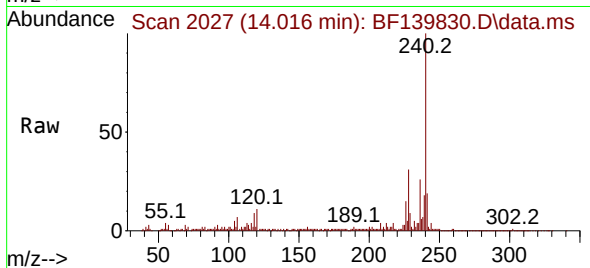
Acq: 16 Oct 2024 15:40

Instrument :

BNA_F

ClientSampleId :

OK-02-101524



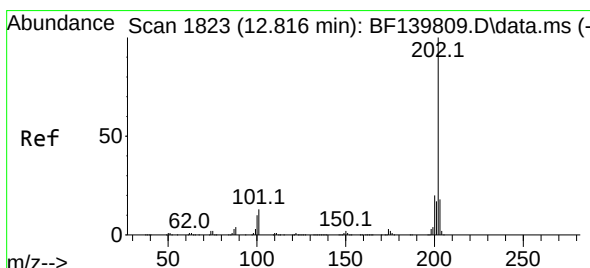
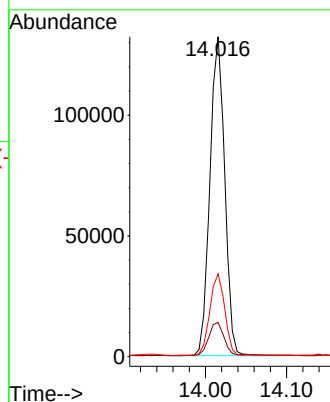
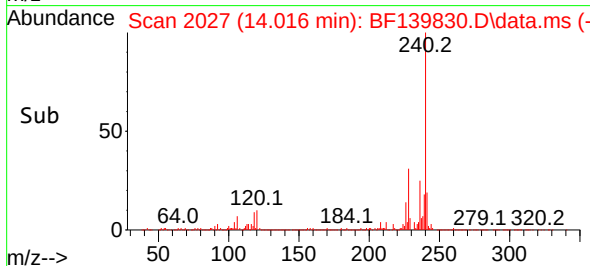
Tgt Ion:	240	Resp:	167078
Ion Ratio	Lower	Upper	
240	100		
120	10.7	8.6	12.8
236	25.9	20.0	30.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/17/2024

Supervised By :mohammad ahmed 10/17/2024



#78

Pyrene

Concen: 13.992 ng

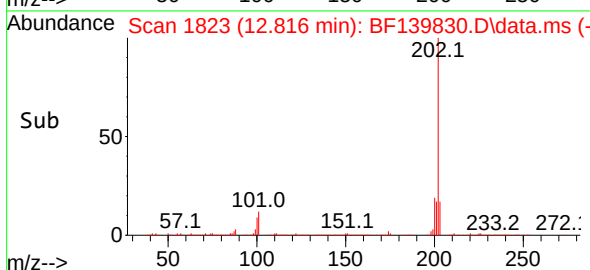
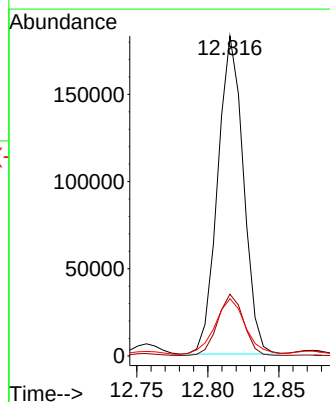
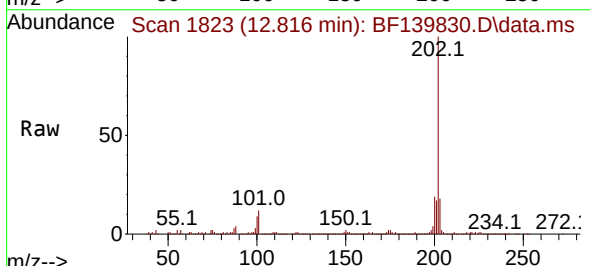
RT: 12.816 min Scan# 1823

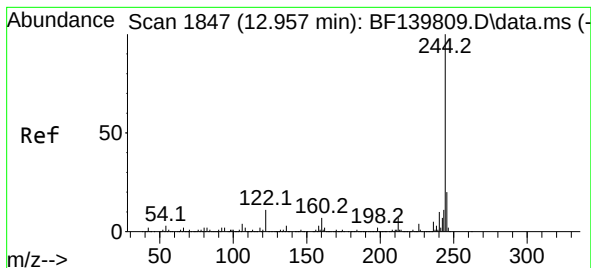
Delta R.T. -0.000 min

Lab File: BF139830.D

Acq: 16 Oct 2024 15:40

Tgt Ion:	202	Resp:	229803
Ion Ratio	Lower	Upper	
202	100		
200	19.3	15.9	23.9
203	17.9	14.0	21.0





#79

Terphenyl-d14

Concen: 5.929 ng

RT: 12.957 min Scan# 1847

Delta R.T. -0.000 min

Lab File: BF139830.D

Acq: 16 Oct 2024 15:40

Instrument :

BNA_F

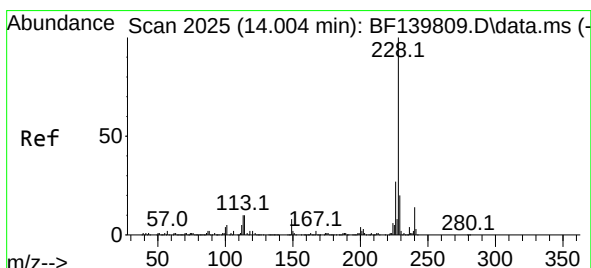
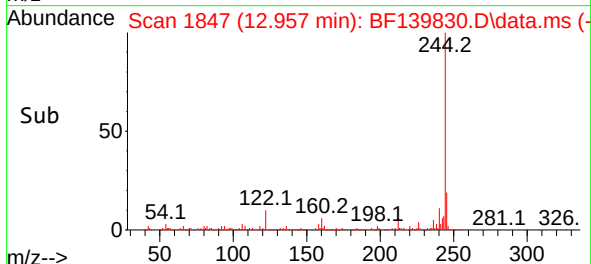
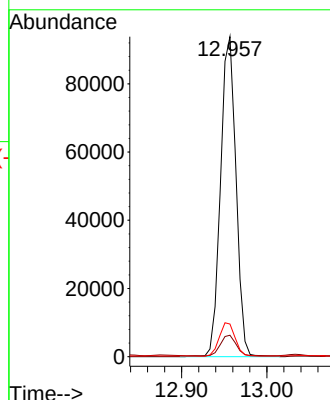
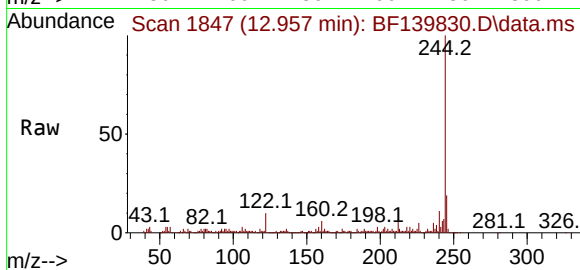
ClientSampleId :

OK-02-101524

Tgt Ion:244 Resp: 11861
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.5 8.3
 122 10.2 8.9 13.3

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/17/2024
 Supervised By :mohammad ahmed 10/17/2024



#81

Benzo(a)anthracene

Concen: 10.090 ng m

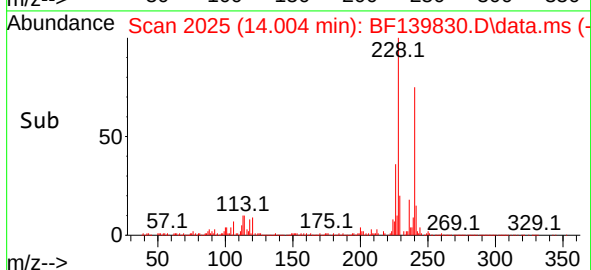
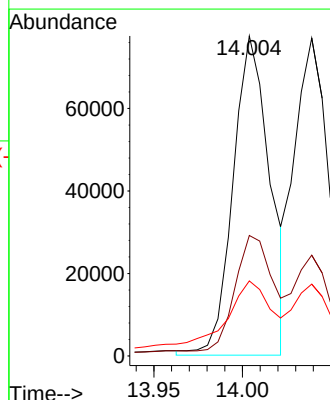
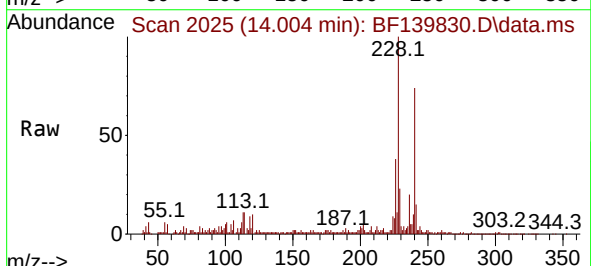
RT: 14.004 min Scan# 2025

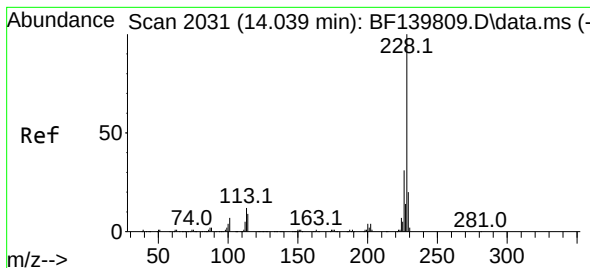
Delta R.T. -0.000 min

Lab File: BF139830.D

Acq: 16 Oct 2024 15:40

Tgt Ion:228 Resp: 111980
 Ion Ratio Lower Upper
 228 100
 226 37.7 21.8 32.8#
 229 23.4 15.8 23.8





#83

Chrysene

Concen: 9.974 ng

RT: 14.039 min Scan# 2031

Delta R.T. -0.000 min

Lab File: BF139830.D

Acq: 16 Oct 2024 15:40

Instrument :

BNA_F

ClientSampleId :

OK-02-101524

Tgt Ion:228 Resp: 10089

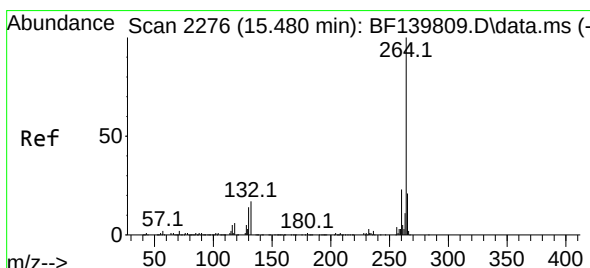
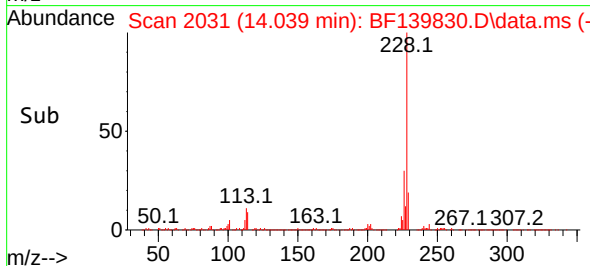
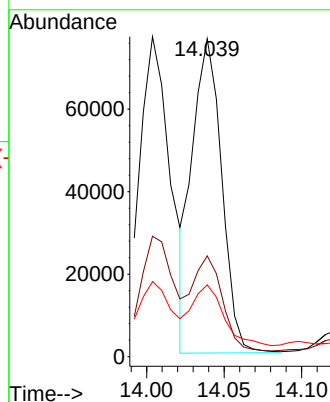
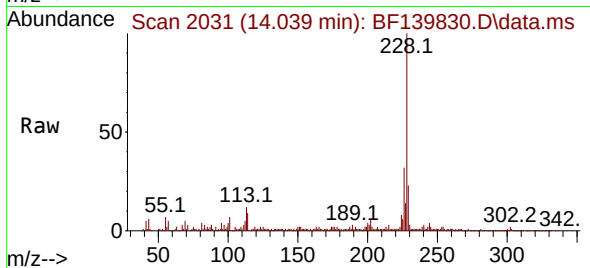
Ion	Ratio	Lower	Upper
228	100		
226	31.7	24.1	36.1
229	22.6	15.8	23.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/17/2024

Supervised By :mohammad ahmed 10/17/2024



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.480 min Scan# 2276

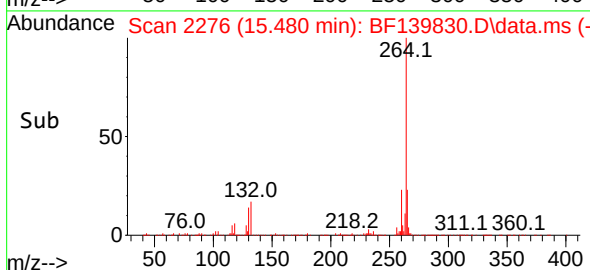
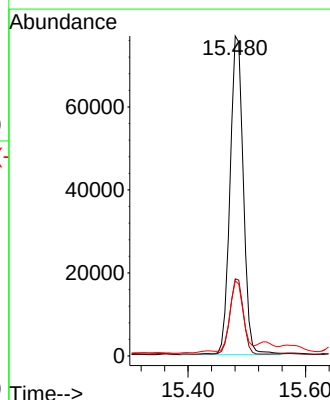
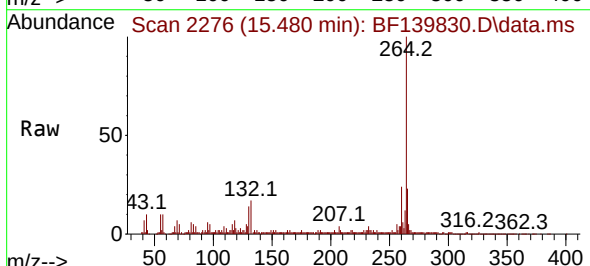
Delta R.T. -0.000 min

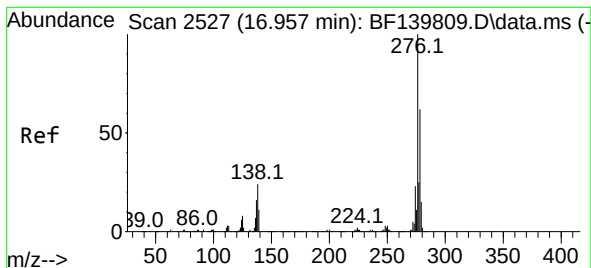
Lab File: BF139830.D

Acq: 16 Oct 2024 15:40

Tgt Ion:264 Resp: 120234

Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.8	28.2
265	23.4	17.2	25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.716 ng

RT: 16.951 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF139830.D

Acq: 16 Oct 2024 15:40

Instrument :

BNA_F

ClientSampleId :

OK-02-101524

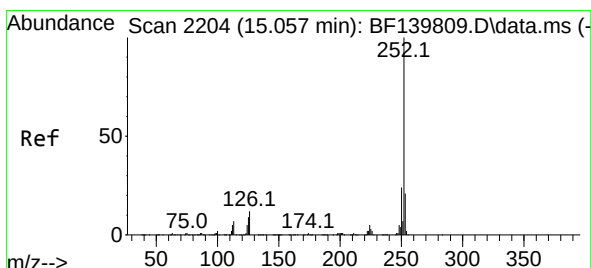
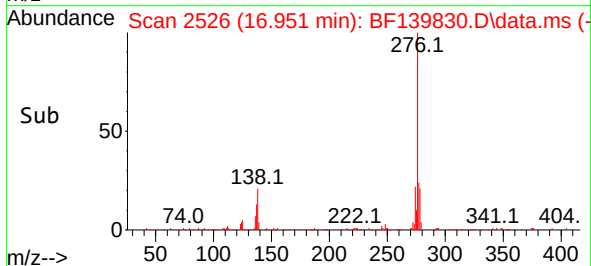
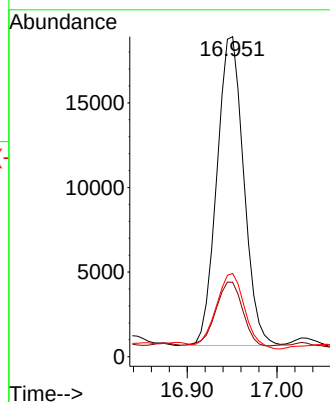
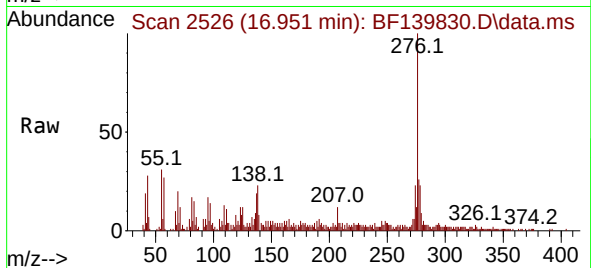
Tgt Ion:276 Resp: 37968
 Ion Ratio Lower Upper
 276 100
 138 20.8 20.0 30.0
 277 26.2 20.1 30.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/17/2024

Supervised By :mohammad ahmed 10/17/2024



#88

Benzo(b)fluoranthene

Concen: 14.899 ng m

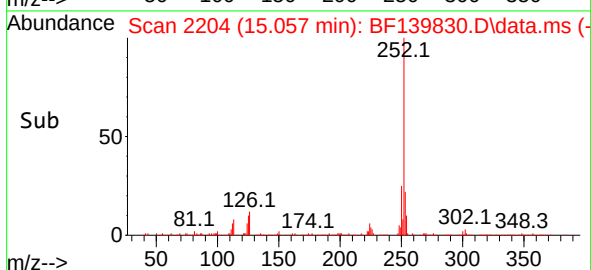
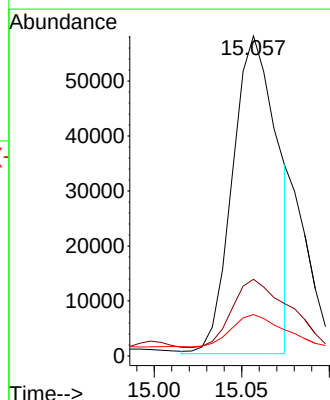
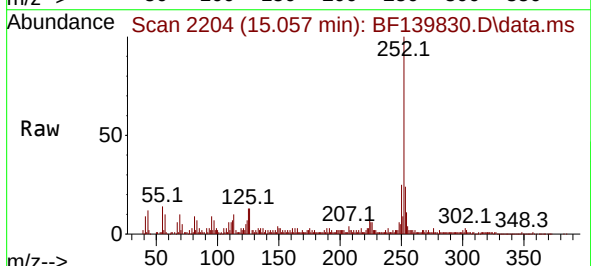
RT: 15.057 min Scan# 2204

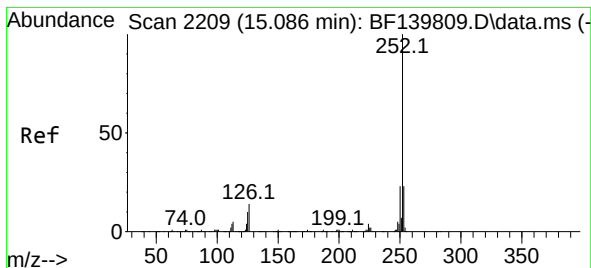
Delta R.T. -0.000 min

Lab File: BF139830.D

Acq: 16 Oct 2024 15:40

Tgt Ion:252 Resp: 102751
 Ion Ratio Lower Upper
 252 100
 253 24.0 17.1 25.7
 125 12.9 7.4 11.2#





#89

Benzo(k)fluoranthene

Concen: 4.286 ng m

RT: 15.074 min Scan# 2209

Delta R.T. -0.012 min

Lab File: BF139830.D

Acq: 16 Oct 2024 15:40

Instrument :

BNA_F

ClientSampleId :

OK-02-101524

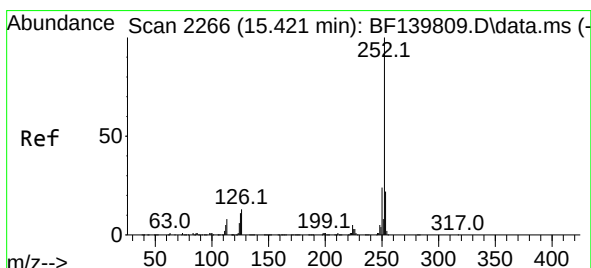
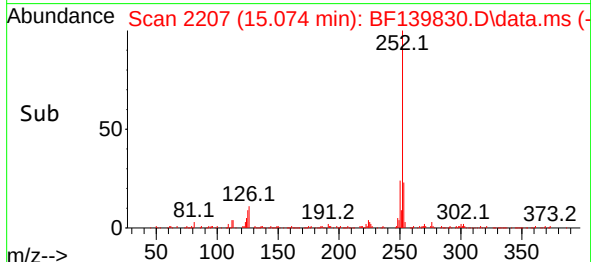
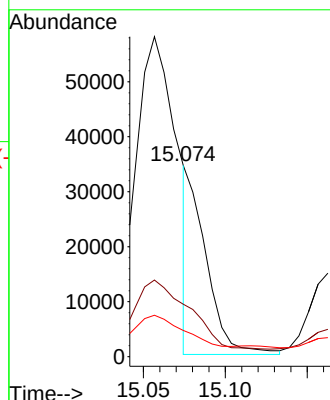
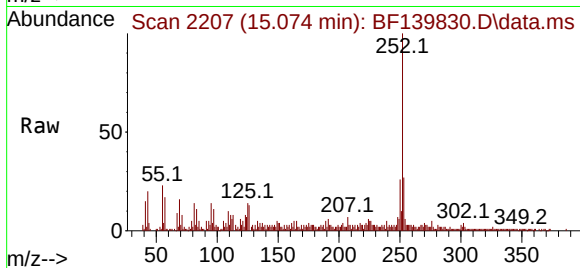
Tgt Ion:	252	Resp:	2623
Ion Ratio	Lower	Upper	
252	100		
253	27.4	17.5	26.3
125	13.7	7.7	11.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/17/2024

Supervised By :mohammad ahmed 10/17/2024



#90

Benzo(a)pyrene

Concen: 11.244 ng

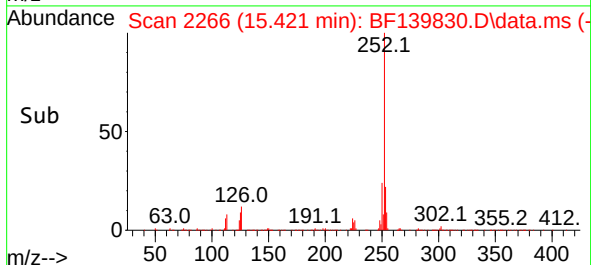
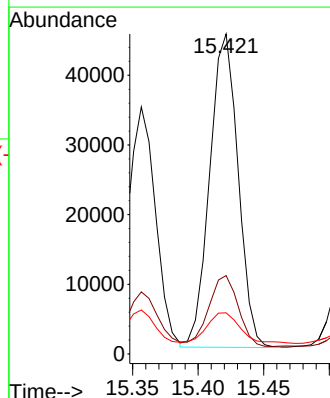
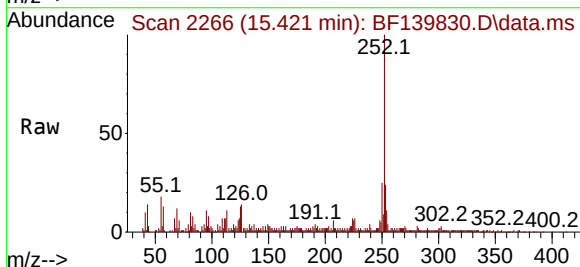
RT: 15.421 min Scan# 2266

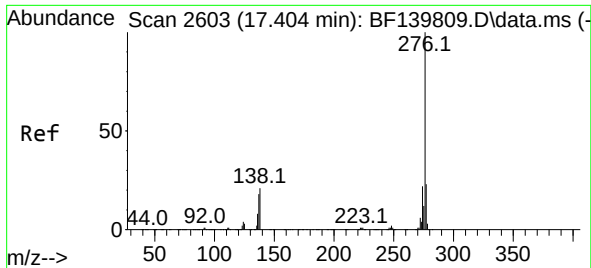
Delta R.T. -0.000 min

Lab File: BF139830.D

Acq: 16 Oct 2024 15:40

Tgt Ion:	252	Resp:	67732
Ion Ratio	Lower	Upper	
252	100		
253	24.5	17.4	26.0
125	12.9	8.4	12.6





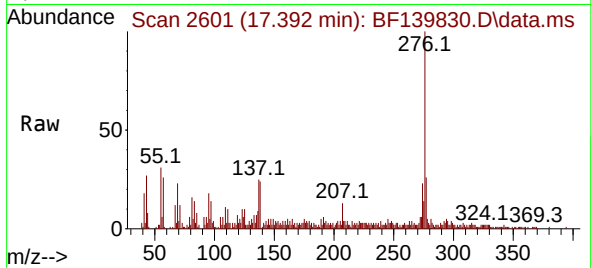
#92
 Benzo(g,h,i)perylene
 Concen: 6.127 ng
 RT: 17.392 min Scan# 20
 Delta R.T. -0.012 min
 Lab File: BF139830.D
 Acq: 16 Oct 2024 15:40

Instrument :

BNA_F

ClientSampleId :

OK-02-101524



Tgt Ion:276 Resp: 4243
 Ion Ratio Lower Upper
 276 100
 277 25.7 18.2 27.4
 138 24.0 17.0 25.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/17/2024

Supervised By :mohammad ahmed 10/17/2024

