

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020524\
 Data File : BF137285.D
 Acq On : 05 Feb 2024 19:49
 Operator : CG\JU
 Sample : P1338-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-S-COMP

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 02/06/2024
 Supervised By :mohammad ahmed 02/07/2024

Quant Time: Feb 06 01:17:24 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF013024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 31 04:56:22 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.793	152	47946	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	172308	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	87115	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	169441	20.000	ng	0.00
76) Chrysene-d12	13.974	240	99109	20.000	ng	0.00
86) Perylene-d12	15.457	264	89796	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	462978	159.336	ng	0.02
7) Phenol-d6	6.428	99	566743	136.674	ng	0.00
23) Nitrobenzene-d5	7.351	82	361158	93.841	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	135761	137.992	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	572484	90.338	ng	0.00
79) Terphenyl-d14	12.916	244	642860	88.179	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.686	152	25003	3.045	ng	97
71) Phenanthrene	11.339	178	158193	17.834	ng	100
72) Anthracene	11.392	178	74442	8.052	ng	97
75) Fluoranthene	12.539	202	734618	79.143	ng	99
78) Pyrene	12.769	202	642290	67.436	ng	99
81) Benzo(a)anthracene	13.963	228	250626m	35.707	ng	
83) Chrysene	13.998	228	186751	27.063	ng	97
87) Indeno(1,2,3-cd)pyrene	16.951	276	99684	15.801	ng	# 91
88) Benzo(b)fluoranthene	15.021	252	220709m	39.967	ng	
89) Benzo(k)fluoranthene	15.045	252	79626m	13.630	ng	
90) Benzo(a)pyrene	15.392	252	167439	32.219	ng	99
91) Dibenzo(a,h)anthracene	16.968	278	18683m	3.696	ng	
92) Benzo(g,h,i)perylene	17.398	276	80805	16.287	ng	97

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

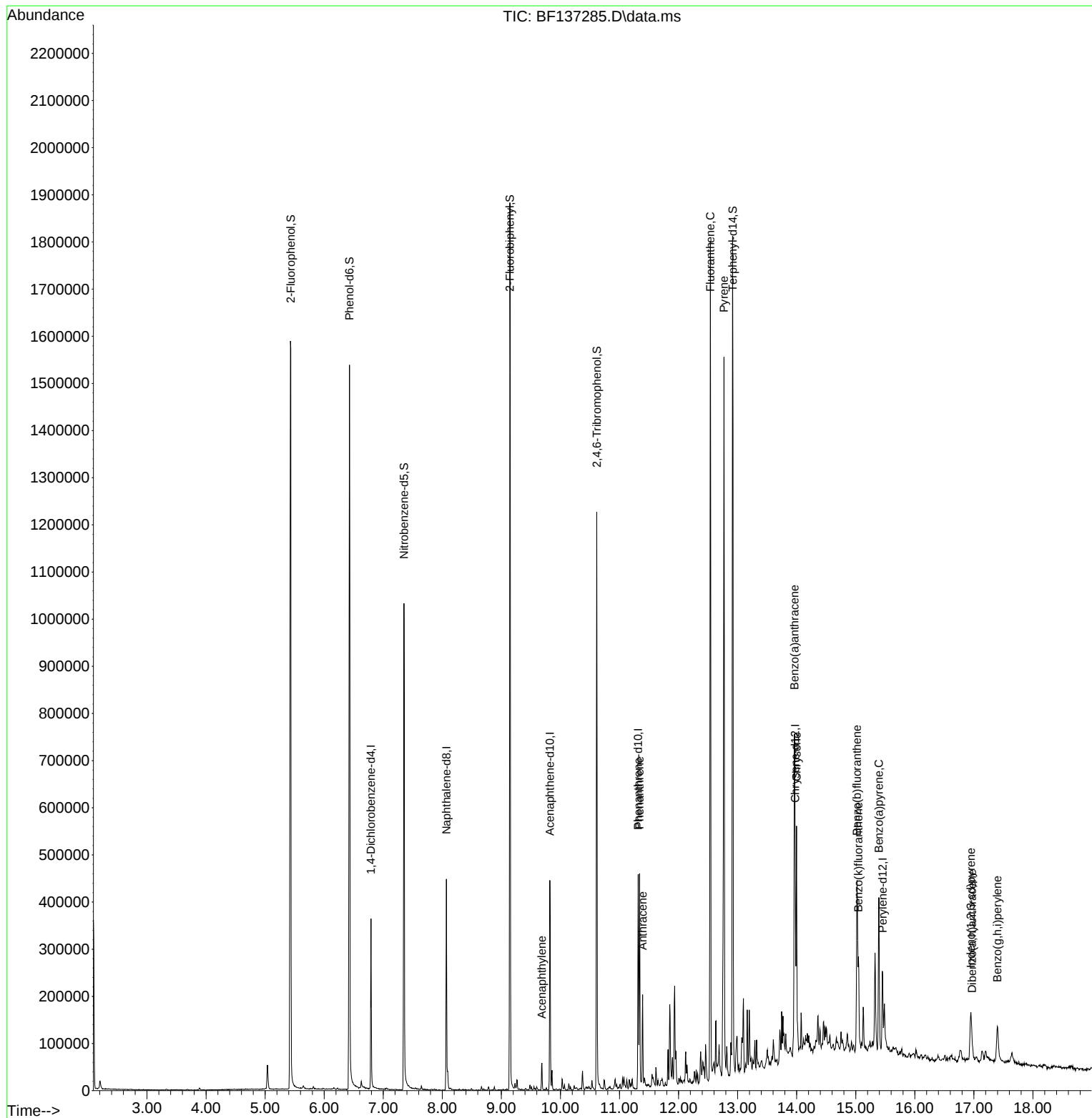
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020524\
Data File : BF137285.D
Acq On : 05 Feb 2024 19:49
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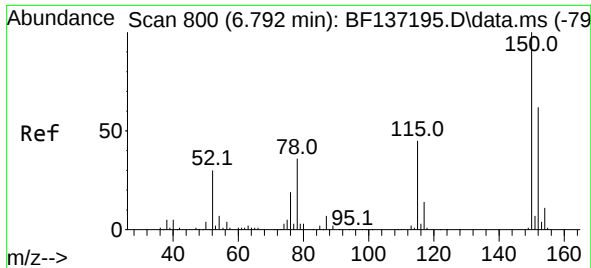
Instrument :
BNA_F
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WC-S-COMP

Quant Time: Feb 06 01:17:24 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF013024.M
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QLast Update : Wed Jan 31 04:56:22 2024
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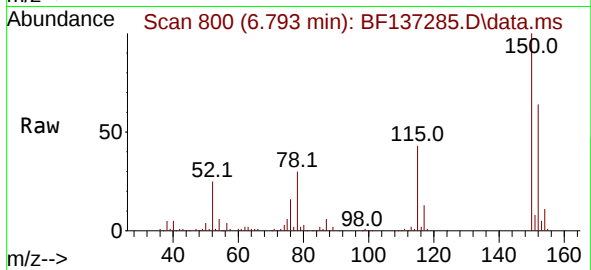
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.793 min Scan# 800
Delta R.T. 0.001 min
Lab File: BF137285.D
Acq: 05 Feb 2024 19:49

Instrument :

BNA_F

ClientSampleId :

WC-S-COMP

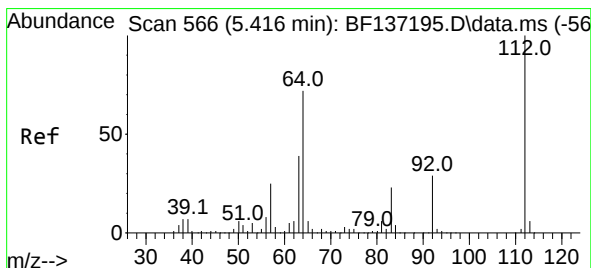
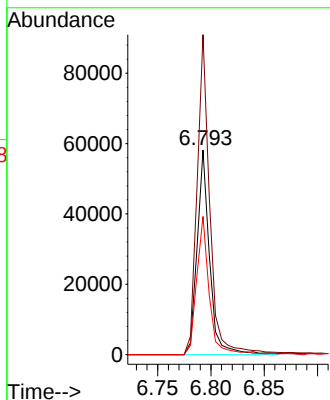
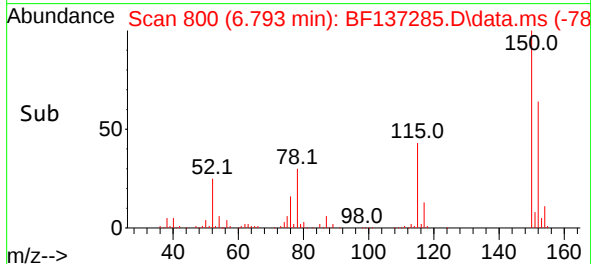


Tgt Ion:152 Resp: 47940
Ion Ratio Lower Upper
152 100
150 156.4 129.8 194.8
115 67.6 58.5 87.7

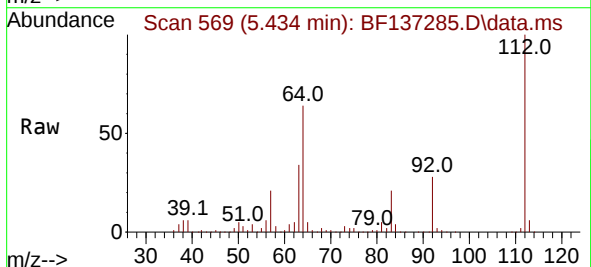
Manual Integrations

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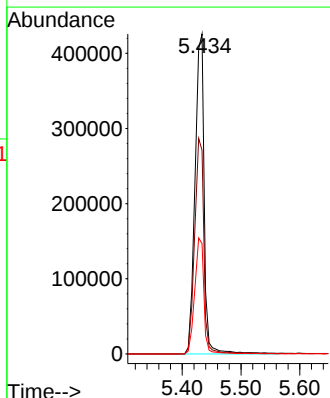
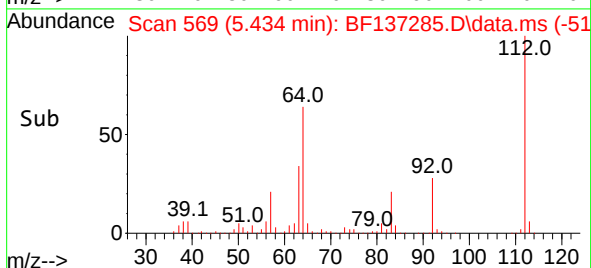
Reviewed By :Jagrut Upadhyay 02/06/2024
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#5
2-Fluorophenol
Concen: 159.336 ng
RT: 5.434 min Scan# 569
Delta R.T. 0.018 min
Lab File: BF137285.D
Acq: 05 Feb 2024 19:49



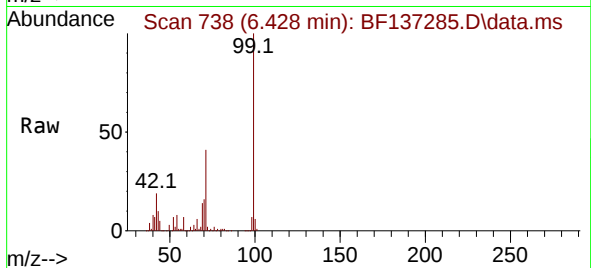
Tgt Ion:112 Resp: 462978
Ion Ratio Lower Upper
112 100
64 63.7 57.8 86.6
63 34.5 31.4 47.0





#7
Phenol-d6
Concen: 136.674 ng
RT: 6.428 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF137285.D
Acq: 05 Feb 2024 19:49

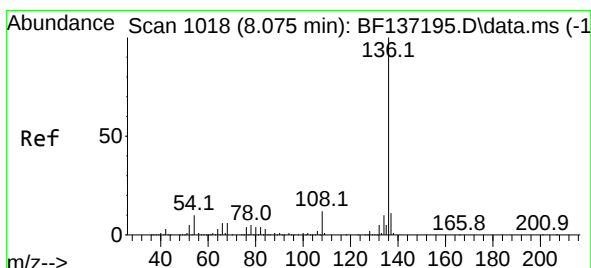
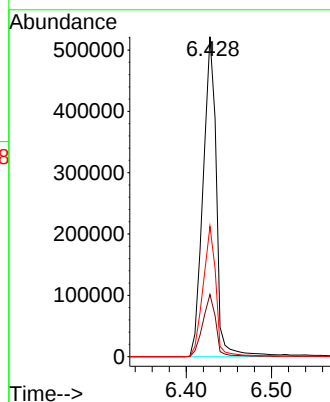
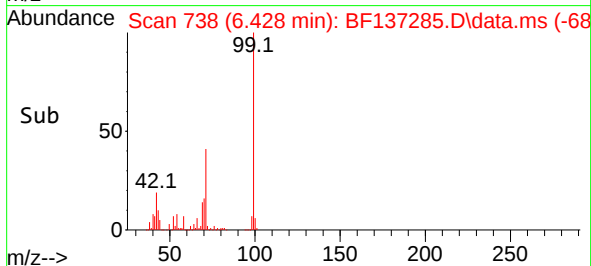
Instrument :
BNA_F
ClientSampleId :
WC-S-COMP



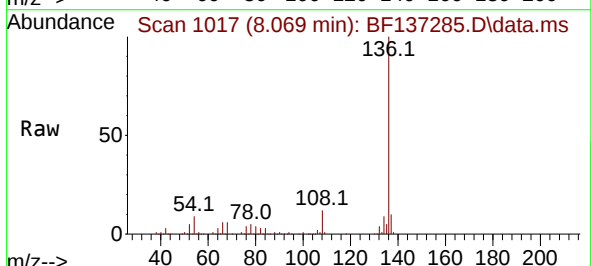
Tgt Ion: 99 Resp: 56674
Ion Ratio Lower Upper
99 100
42 19.5 16.4 24.6
71 40.8 32.4 48.6

Manual Integrations
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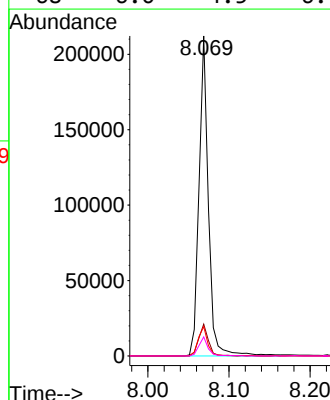
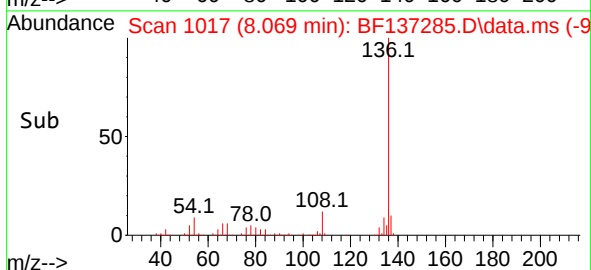
Reviewed By :Jagrut Upadhyay 02/06/2024
Supervised By :mohammad ahmed 02/07/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF137285.D
Acq: 05 Feb 2024 19:49



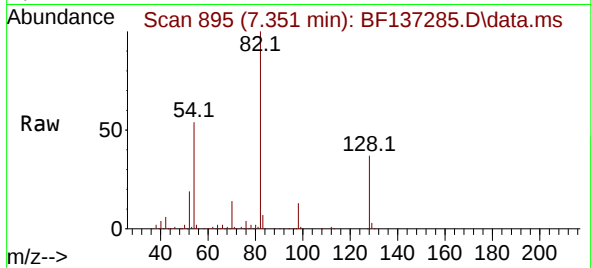
Tgt Ion:136 Resp: 172308
Ion Ratio Lower Upper
136 100
137 9.9 8.9 13.3
54 9.1 7.8 11.8
68 6.0 4.5 6.7





#23
Nitrobenzene-d5
Concen: 93.841 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.006 min
Lab File: BF137285.D
Acq: 05 Feb 2024 19:49

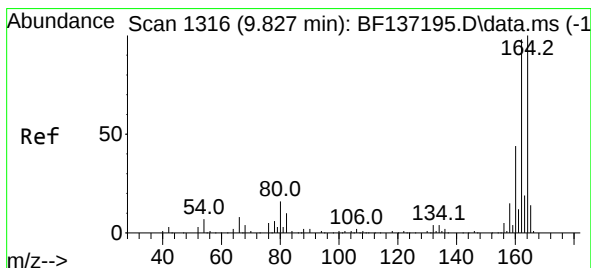
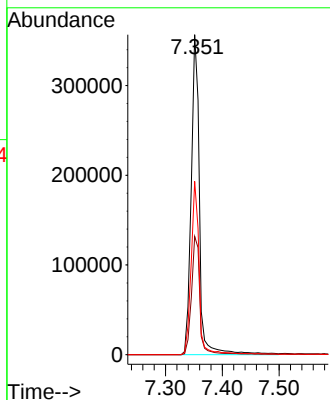
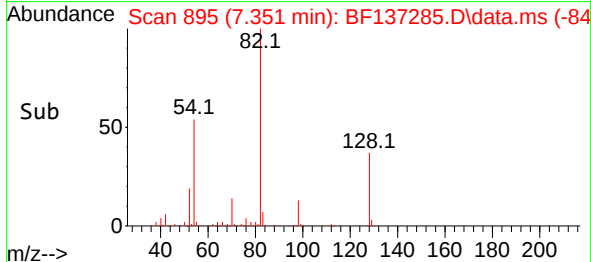
Instrument :
BNA_F
ClientSampleId :
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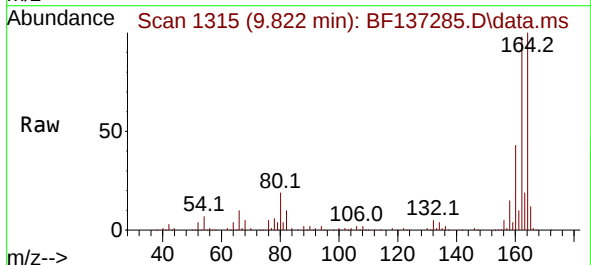
Tgt Ion: 82 Resp: 361158
Ion Ratio Lower Upper
82 100
128 37.0 29.1 43.7
54 54.2 45.0 67.6

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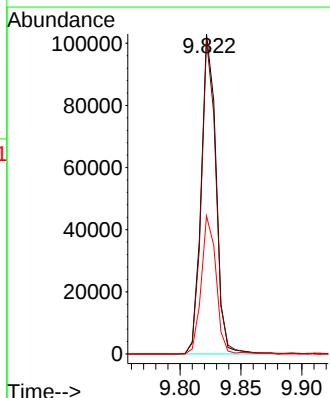
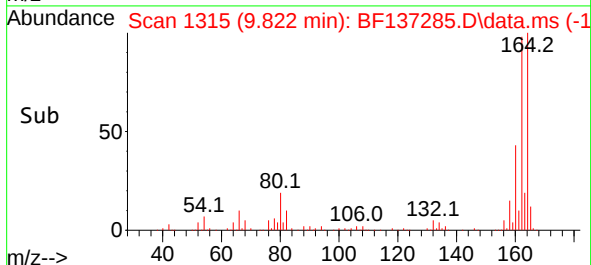
Reviewed By :Jagrut Upadhyay 02/06/2024
Supervised By :mohammad ahmed 02/07/2024

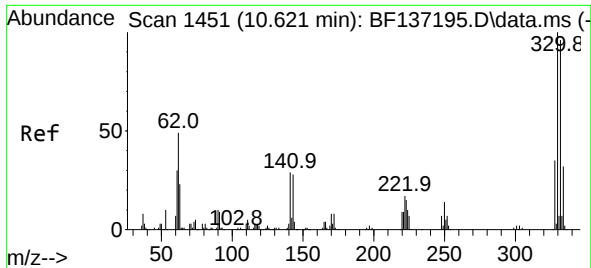


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1315
Delta R.T. -0.005 min
Lab File: BF137285.D
Acq: 05 Feb 2024 19:49



Tgt Ion:164 Resp: 87115
Ion Ratio Lower Upper
164 100
162 98.2 78.3 117.5
160 43.1 35.4 53.2





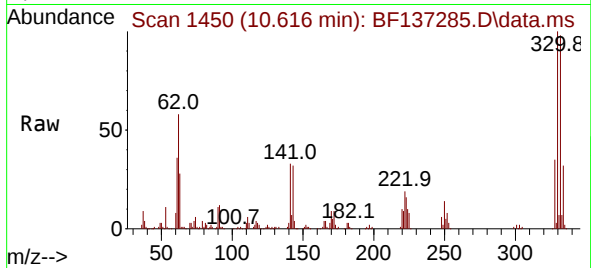
#42
2,4,6-Tribromophenol
Concen: 137.992 ng
RT: 10.616 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF137285.D
Acq: 05 Feb 2024 19:49

Instrument :

BNA_F

ClientSampleId :

WC-S-COMP

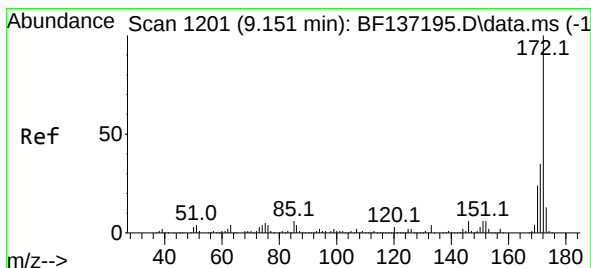
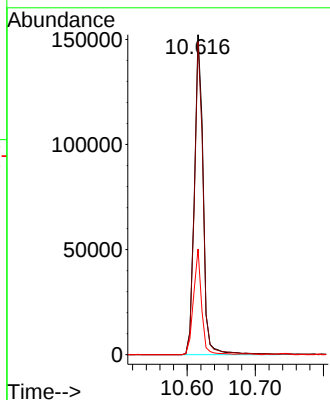
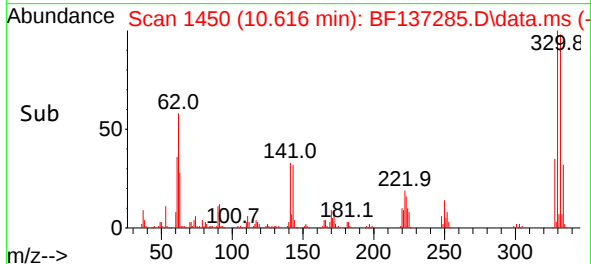


Tgt Ion:330 Resp: 13576
Ion Ratio Lower Upper
330 100
332 96.3 77.3 115.9
141 30.4 25.2 37.8

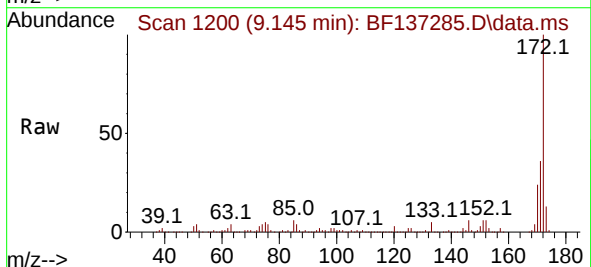
Manual Integrations

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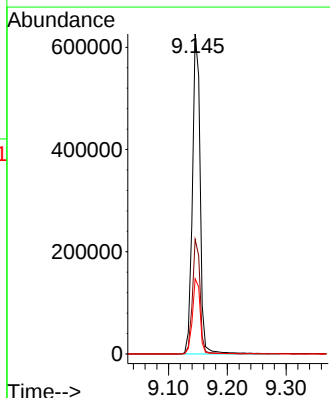
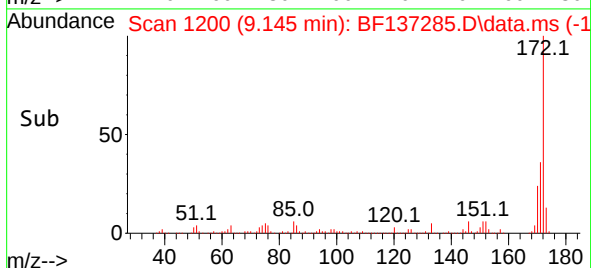
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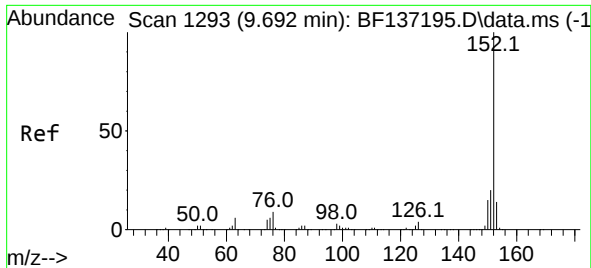


#45
2-Fluorobiphenyl
Concen: 90.338 ng
RT: 9.145 min Scan# 1200
Delta R.T. -0.006 min
Lab File: BF137285.D
Acq: 05 Feb 2024 19:49



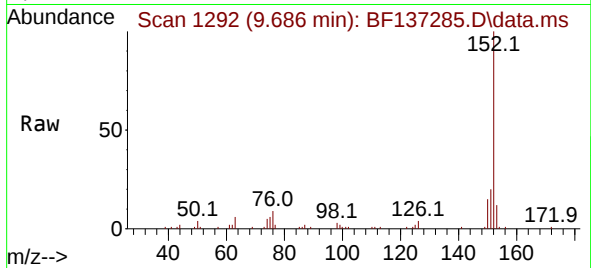
Tgt Ion:172 Resp: 572484
Ion Ratio Lower Upper
172 100
171 35.8 28.3 42.5
170 23.5 19.1 28.7





#49
Acenaphthylene
Concen: 3.045 ng
RT: 9.686 min Scan# 1292
Delta R.T. -0.006 min
Lab File: BF137285.D
Acq: 05 Feb 2024 19:49

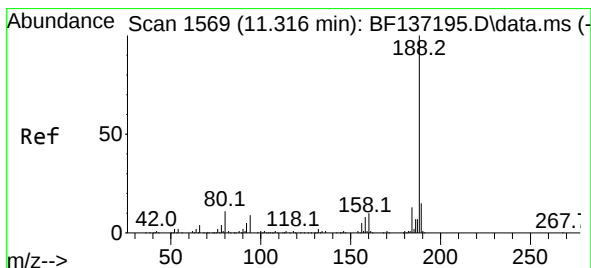
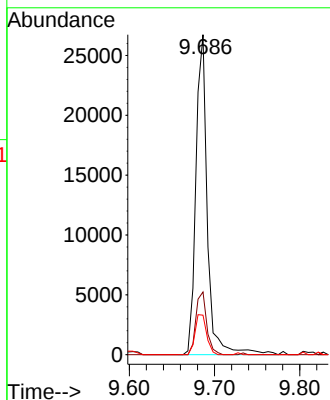
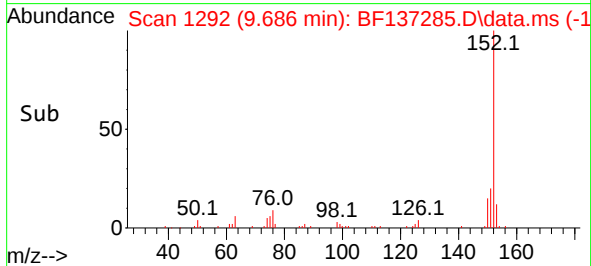
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BNA_F
ClientSampleId :
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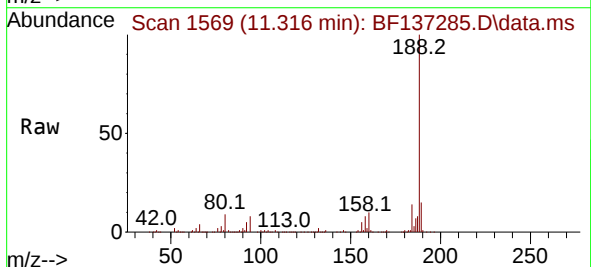
Tgt Ion:152 Resp: 25000
Ion Ratio Lower Upper
152 100
151 19.6 16.3 24.5
153 12.3 11.2 16.8

Manual Integrations
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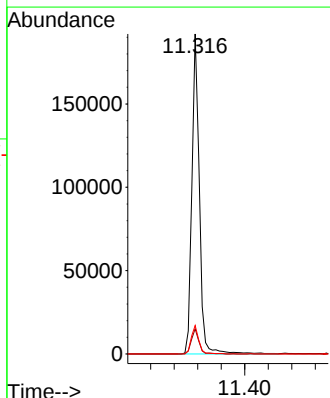
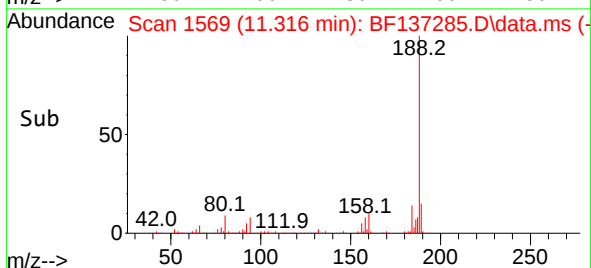
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Supervised By :mohammad ahmed 02/07/2024

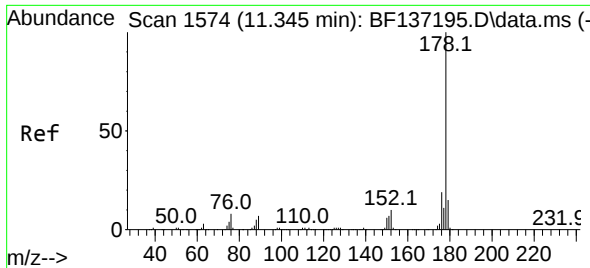


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.000 min
Lab File: BF137285.D
Acq: 05 Feb 2024 19:49



Tgt Ion:188 Resp: 169441
Ion Ratio Lower Upper
188 100
94 7.9 7.0 10.4
80 8.9 8.8 13.2





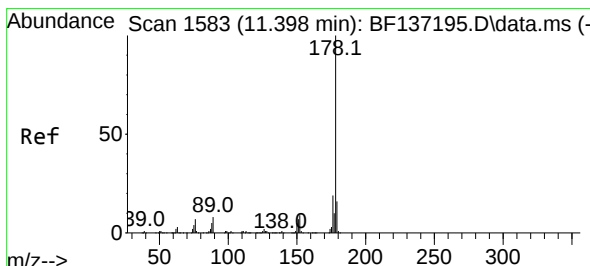
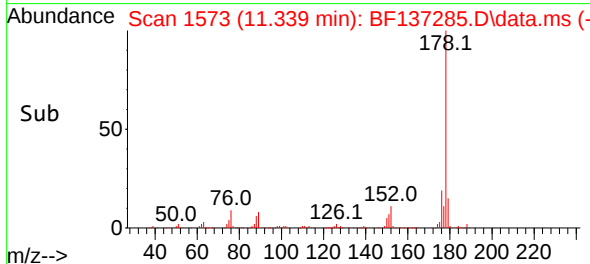
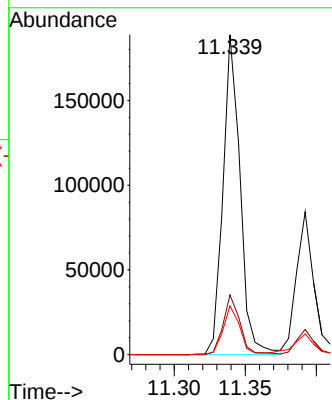
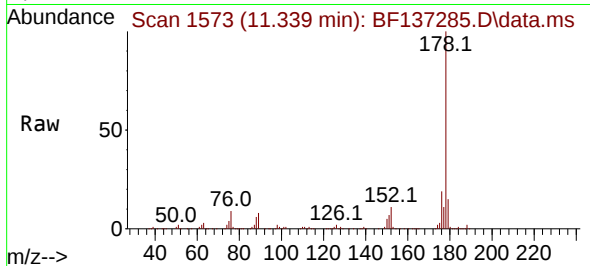
#71
Phenanthrene
Concen: 17.834 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF137285.D
Acq: 05 Feb 2024 19:49

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:178 Resp: 15819
Ion Ratio Lower Upper
178 100
176 18.6 15.1 22.7
179 15.2 12.1 18.1

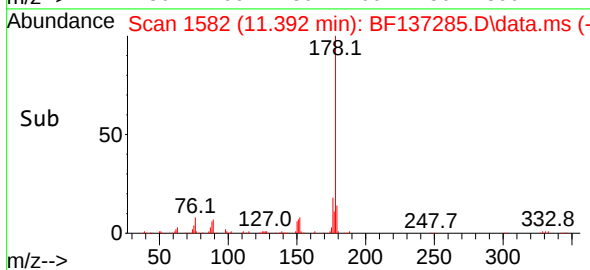
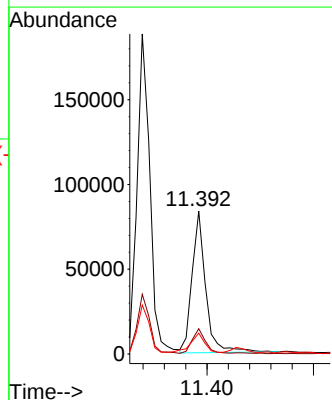
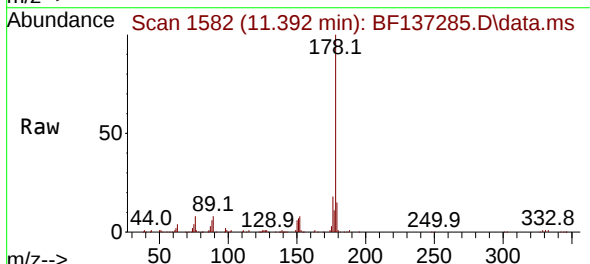
Manual Integrations
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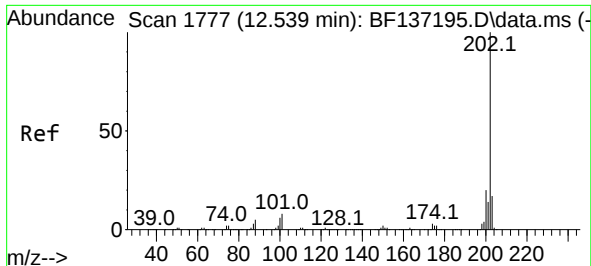
Reviewed By :Jagrut Upadhyay 02/06/2024
Supervised By :mohammad ahmed 02/07/2024



#72
Anthracene
Concen: 8.052 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF137285.D
Acq: 05 Feb 2024 19:49

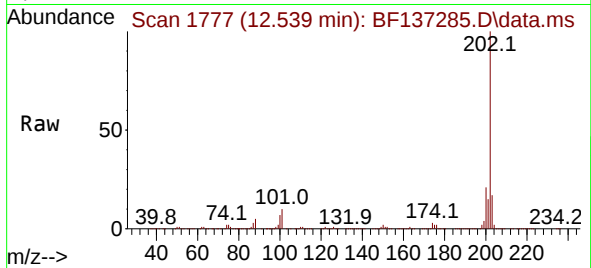
Tgt Ion:178 Resp: 74442
Ion Ratio Lower Upper
178 100
176 17.7 15.3 22.9
179 14.6 12.7 19.1





#75
Fluoranthene
Concen: 79.143 ng
RT: 12.539 min Scan# 1777
Delta R.T. 0.000 min
Lab File: BF137285.D
Acq: 05 Feb 2024 19:49

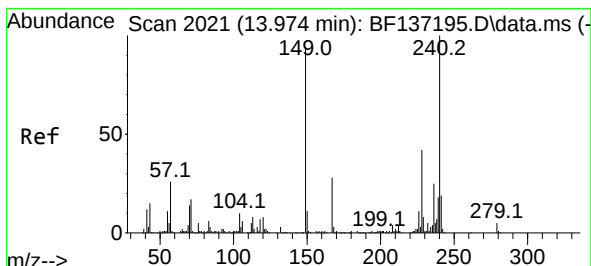
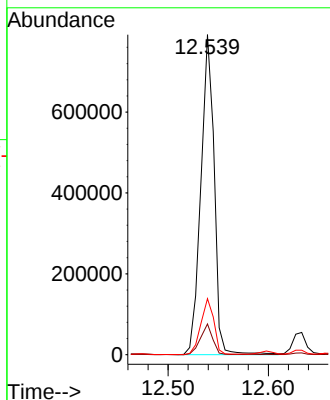
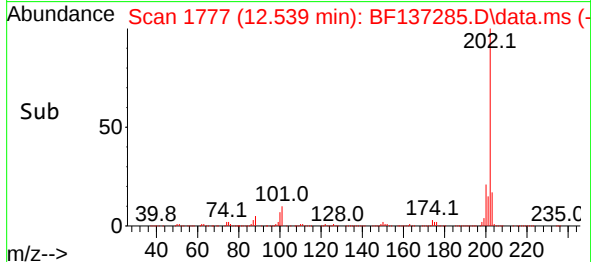
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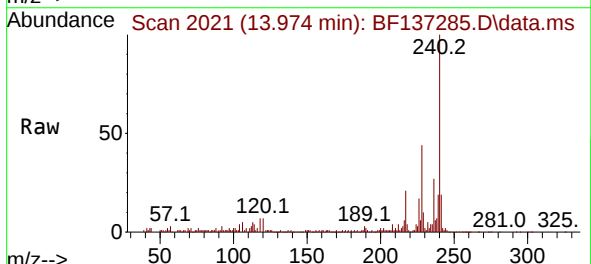
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Ion Ratio Lower Upper
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101 9.6 0.0 28.4
203 17.5 0.0 37.3

Manual Integrations
APPROVED

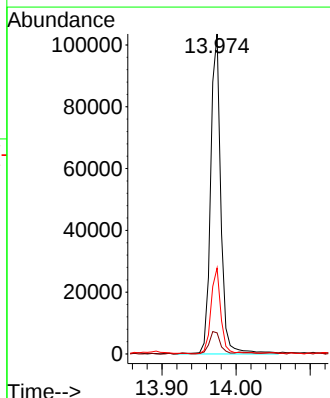
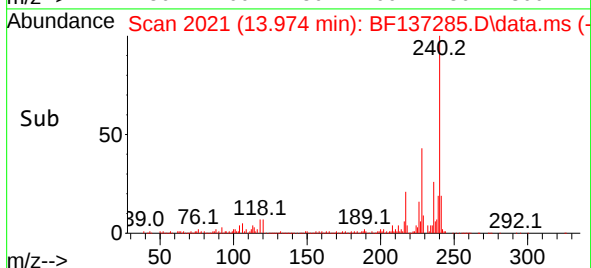
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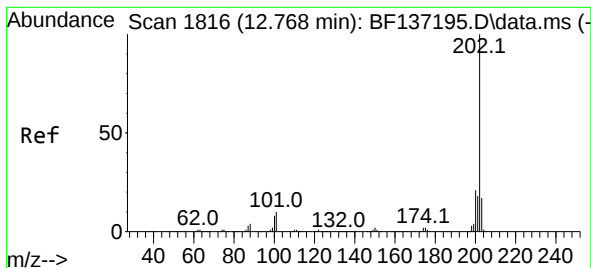


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF137285.D
Acq: 05 Feb 2024 19:49



Tgt Ion:240 Resp: 99109
Ion Ratio Lower Upper
240 100
120 6.6 6.3 9.5
236 26.8 20.3 30.5





#78

Pyrene

Concen: 67.436 ng

RT: 12.769 min Scan# 1816

Delta R.T. 0.000 min

Lab File: BF137285.D

Acq: 05 Feb 2024 19:49

Instrument :

BNA_F

ClientSampleId :

WC-S-COMP

Tgt Ion:202 Resp: 642290

Ion Ratio Lower Upper

202 100

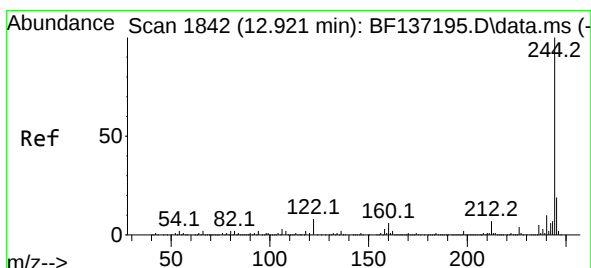
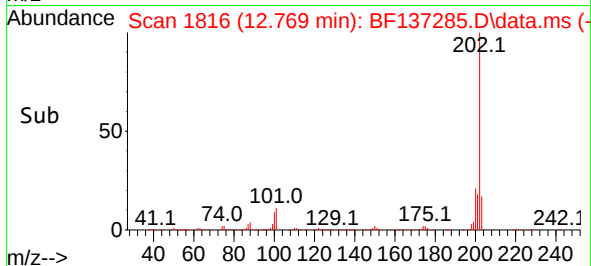
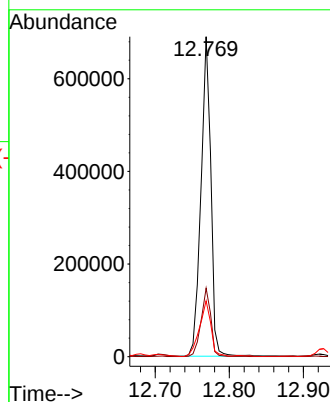
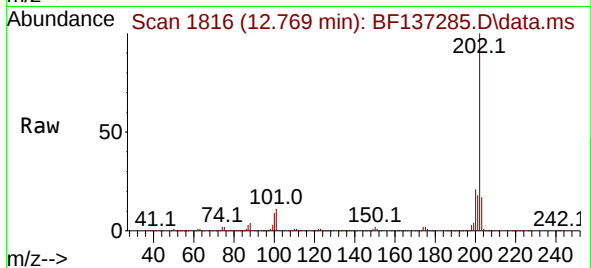
200 21.4 16.5 24.7

203 17.5 13.8 20.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/06/2024
Supervised By :mohammad ahmed 02/07/2024



#79

Terphenyl-d14

Concen: 88.179 ng

RT: 12.916 min Scan# 1841

Delta R.T. -0.006 min

Lab File: BF137285.D

Acq: 05 Feb 2024 19:49

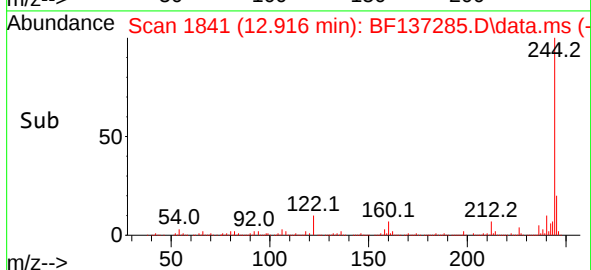
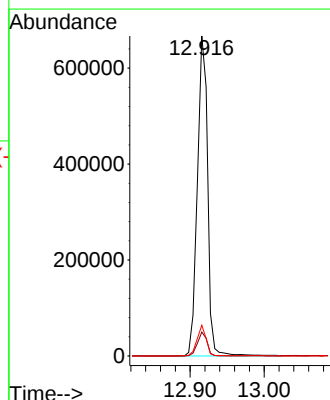
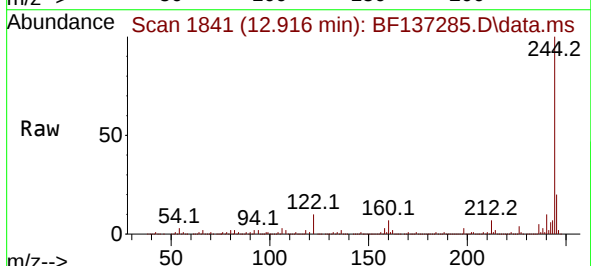
Tgt Ion:244 Resp: 642860

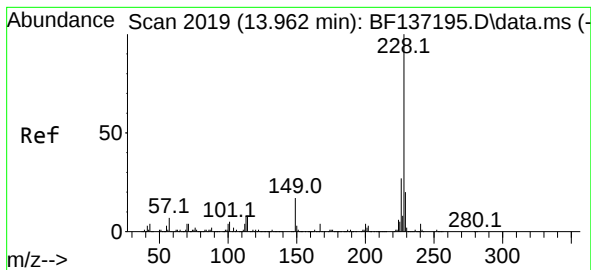
Ion Ratio Lower Upper

244 100

212 7.4 5.5 8.3

122 9.6 6.2 9.4#





#81

Benzo(a)anthracene

Concen: 35.707 ng m

RT: 13.963 min Scan# 2019

Delta R.T. 0.000 min

Lab File: BF137285.D

Acq: 05 Feb 2024 19:49

Instrument :

BNA_F

ClientSampleId :

WC-S-COMP

Tgt Ion:228 Resp: 250620

Ion Ratio Lower Upper

228 100

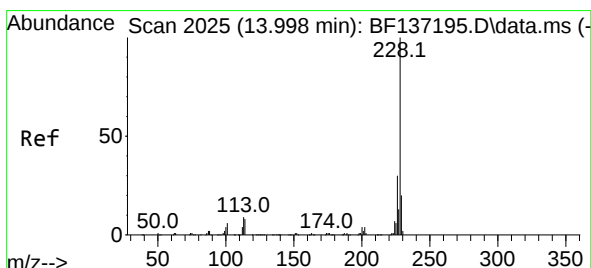
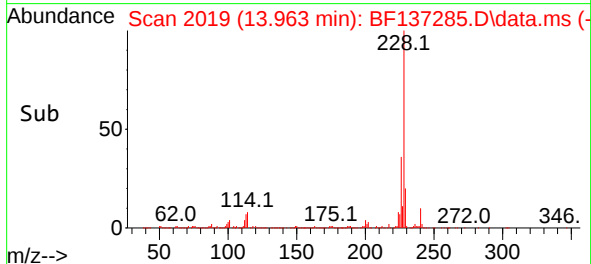
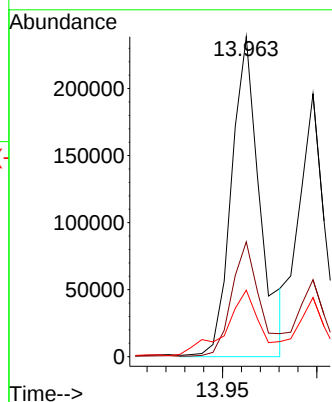
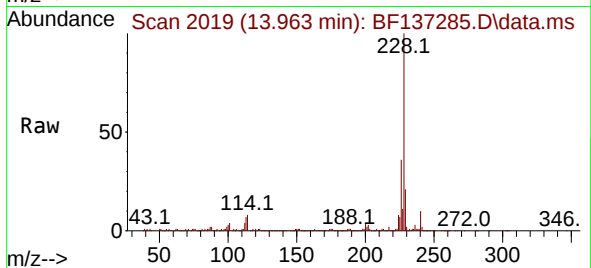
226 35.9 21.6 32.4

229 20.8 15.8 23.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/06/2024
Supervised By :mohammad ahmed 02/07/2024



#83

Chrysene

Concen: 27.063 ng

RT: 13.998 min Scan# 2025

Delta R.T. 0.000 min

Lab File: BF137285.D

Acq: 05 Feb 2024 19:49

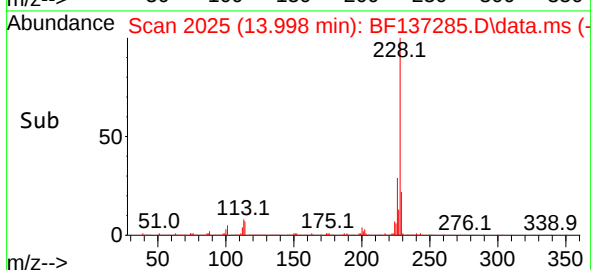
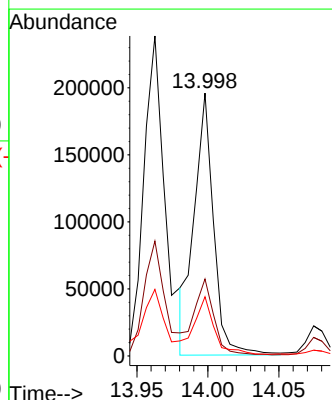
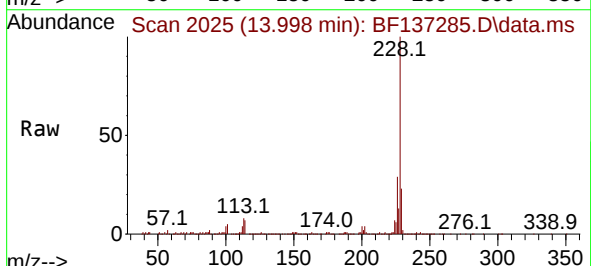
Tgt Ion:228 Resp: 186751

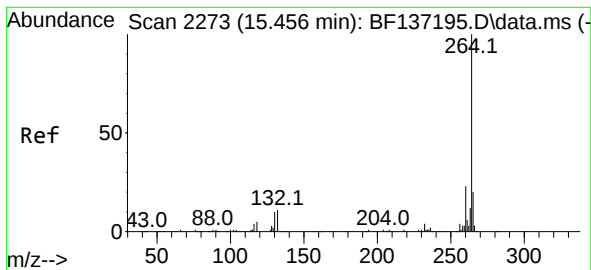
Ion Ratio Lower Upper

228 100

226 29.3 23.7 35.5

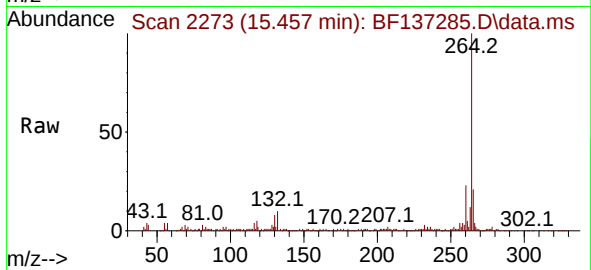
229 22.5 15.6 23.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.457 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF137285.D
Acq: 05 Feb 2024 19:49

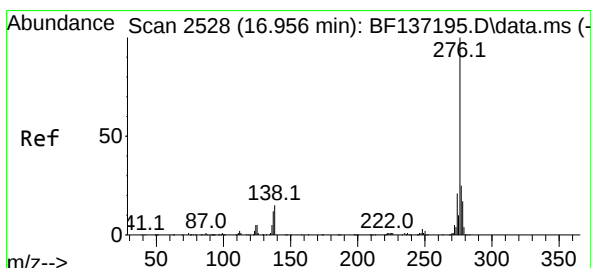
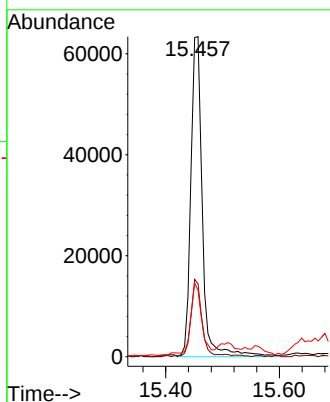
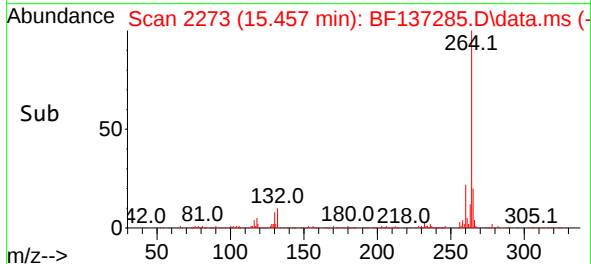
Instrument :
BNA_F
ClientSampleId :
WC-S-COMP



Tgt Ion:264 Resp: 89790
Ion Ratio Lower Upper
264 100
260 22.8 18.2 27.4
265 20.8 16.2 24.2

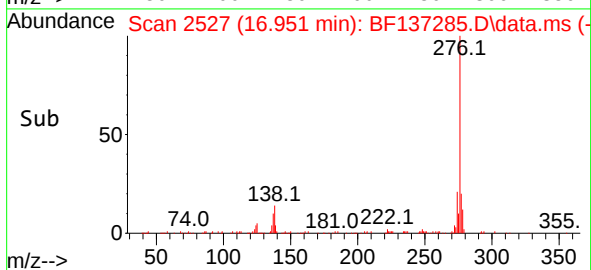
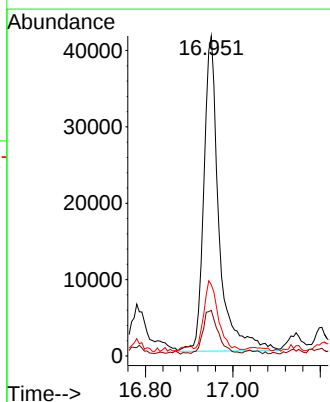
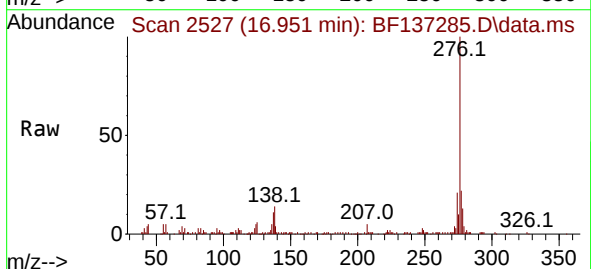
Manual Integrations
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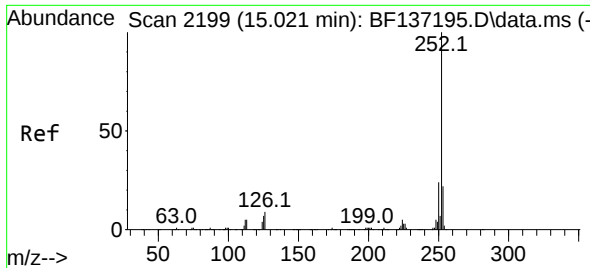
Reviewed By :Jagrut Upadhyay 02/06/2024
Supervised By :mohammad ahmed 02/07/2024



#87
Indeno(1,2,3-cd)pyrene
Concen: 15.801 ng
RT: 16.951 min Scan# 2527
Delta R.T. -0.006 min
Lab File: BF137285.D
Acq: 05 Feb 2024 19:49

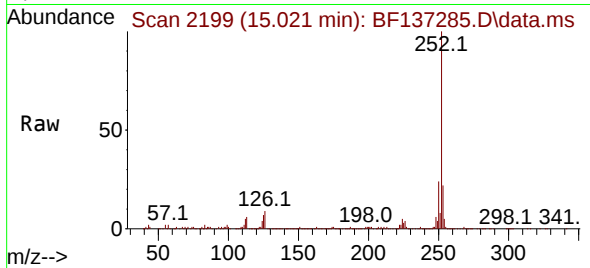
Tgt Ion:276 Resp: 99684
Ion Ratio Lower Upper
276 100
138 14.1 14.6 21.8#
277 20.9 20.2 30.2





#88
Benzo(b)fluoranthene
Concen: 39.967 ng m
RT: 15.021 min Scan# 2199
Delta R.T. 0.000 min
Lab File: BF137285.D
Acq: 05 Feb 2024 19:49

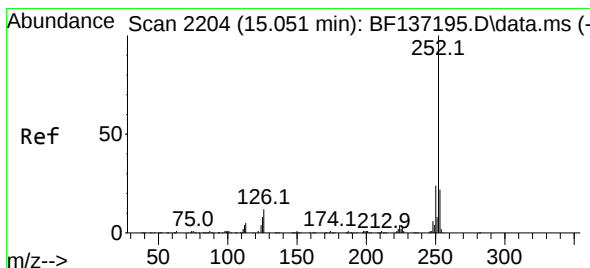
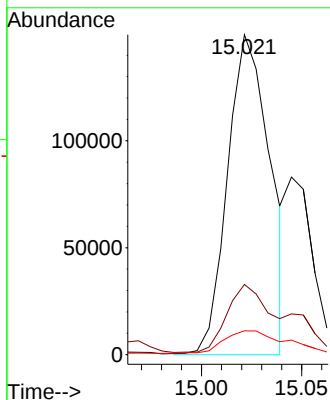
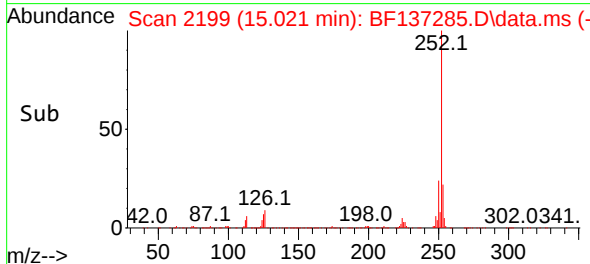
Instrument :
BNA_F
ClientSampleId :
WC-S-COMP



Tgt Ion:252 Resp: 220709
Ion Ratio Lower Upper
252 100
253 21.9 17.9 26.9
125 7.4 5.4 8.2

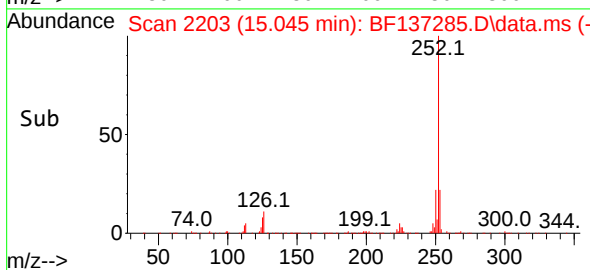
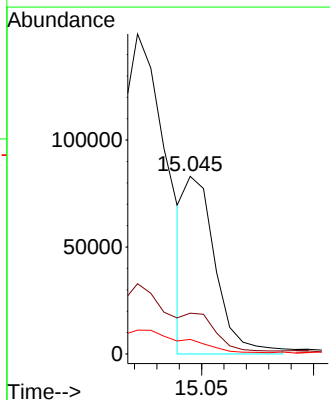
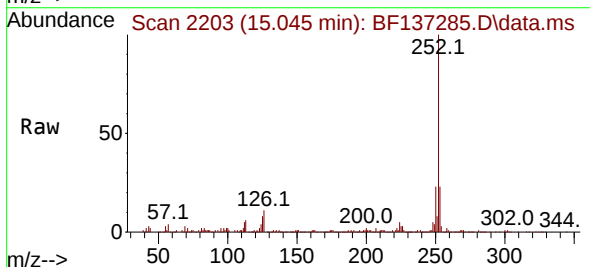
Manual Integrations
APPROVED

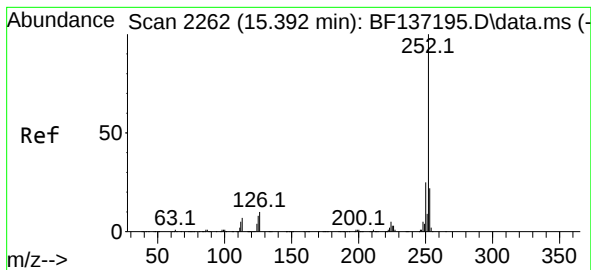
Reviewed By :Jagrut Upadhyay 02/06/2024
Supervised By :mohammad ahmed 02/07/2024



#89
Benzo(k)fluoranthene
Concen: 13.630 ng m
RT: 15.045 min Scan# 2203
Delta R.T. -0.006 min
Lab File: BF137285.D
Acq: 05 Feb 2024 19:49

Tgt Ion:252 Resp: 79626
Ion Ratio Lower Upper
252 100
253 23.0 17.0 25.6
125 8.2 5.9 8.9





#90

Benzo(a)pyrene

Concen: 32.219 ng

RT: 15.392 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF137285.D

Acq: 05 Feb 2024 19:49

Instrument :

BNA_F

ClientSampleId :

WC-S-COMP

Tgt Ion:252 Resp: 167439

Ion Ratio Lower Upper

252 100

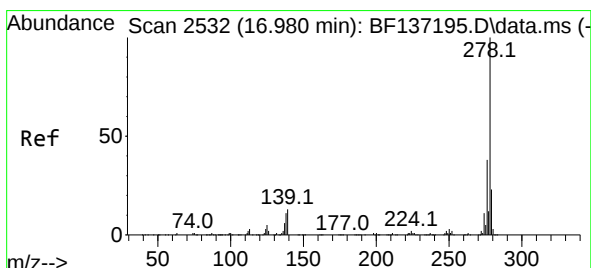
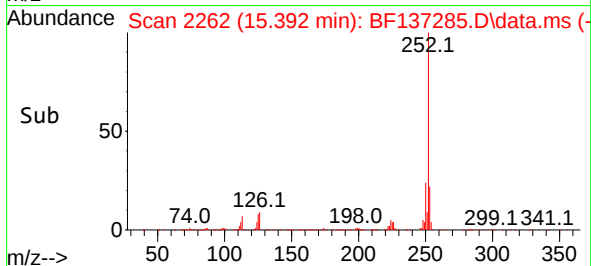
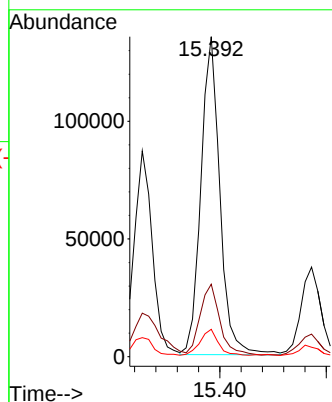
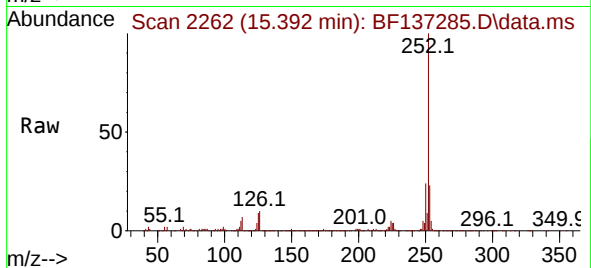
253 22.7 17.8 26.6

125 8.6 6.5 9.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/06/2024
Supervised By :mohammad ahmed 02/07/2024



#91

Dibenzo(a,h)anthracene

Concen: 3.696 ng m

RT: 16.968 min Scan# 2530

Delta R.T. -0.012 min

Lab File: BF137285.D

Acq: 05 Feb 2024 19:49

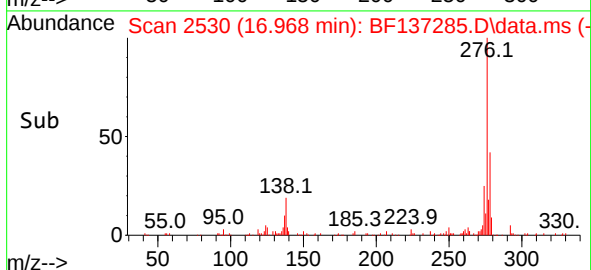
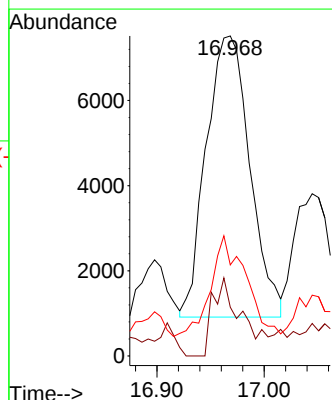
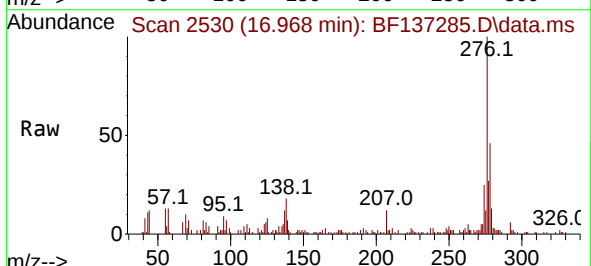
Tgt Ion:278 Resp: 18683

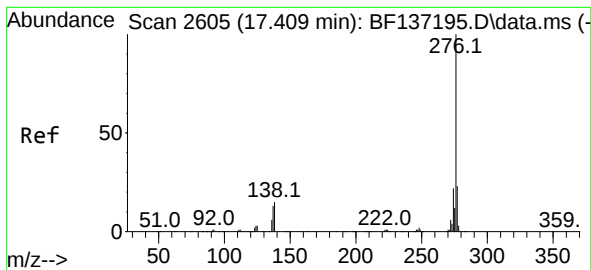
Ion Ratio Lower Upper

278 100

139 15.2 10.0 15.0#

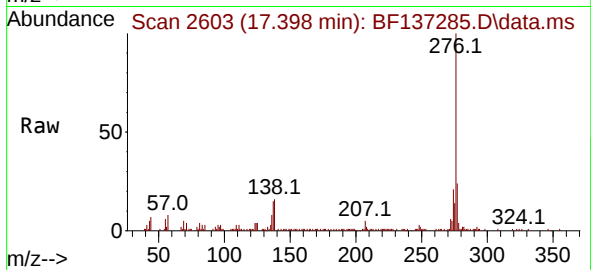
279 28.4 18.5 27.7#





#92
Benzo(g,h,i)perylene
Concen: 16.287 ng
RT: 17.398 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF137285.D
Acq: 05 Feb 2024 19:49

Instrument :
BNA_F
ClientSampleId :
WC-S-COMP



Tgt Ion:276 Resp: 8080
Ion Ratio Lower Upper
276 100
277 24.1 18.4 27.6
138 16.1 11.8 17.8

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 02/06/2024
Supervised By :mohammad ahmed 02/07/2024

