

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110422\
 Data File : BF131011.D
 Acq On : 05 Nov 2022 02:19
 Operator : CG\JU
 Sample : N5419-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-240

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/05/2022
 Supervised By : Jagrut Upadhyay 11/07/2022

Quant Time: Nov 05 03:05:23 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 04 06:20:24 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.910	152	61754	20.000	ng	0.00
21) Naphthalene-d8	8.192	136	212839	20.000	ng	-0.01
39) Acenaphthene-d10	9.957	164	100648	20.000	ng	0.00
64) Phenanthrene-d10	11.445	188	165121	20.000	ng	-0.01
76) Chrysene-d12	14.098	240	156779	20.000	ng	0.00
86) Perylene-d12	15.604	264	177787	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	415774	116.720	ng	0.00
7) Phenol-d6	6.534	99	535355	115.652	ng	0.00
23) Nitrobenzene-d5	7.475	82	364938	103.390	ng	-0.01
42) 2,4,6-Tribromophenol	10.745	330	98870	116.695	ng	-0.01
45) 2-Fluorobiphenyl	9.275	172	616375	92.589	ng	0.00
79) Terphenyl-d14	13.039	244	614259	71.795	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.986	154	11965	2.130	ng	99
71) Phenanthrene	11.474	178	150014	17.602	ng	99
72) Anthracene	11.522	178	37681	4.483	ng	99
75) Fluoranthene	12.668	202	218530	24.134	ng	98
78) Pyrene	12.898	202	401015	30.318	ng	98
81) Benzo(a)anthracene	14.086	228	198772	19.123	ng	98
83) Chrysene	14.127	228	189061	18.857	ng	100
87) Indeno(1,2,3-cd)pyrene	17.127	276	111597m	9.452	ng	
88) Benzo(b)fluoranthene	15.162	252	203412m	17.699	ng	
89) Benzo(k)fluoranthene	15.186	252	61484m	5.490	ng	
90) Benzo(a)pyrene	15.539	252	183320	19.843	ng	98
91) Dibenzo(a,h)anthracene	17.139	278	29684	3.084	ng	96
92) Benzo(g,h,i)perylene	17.592	276	112796	11.487	ng	95

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

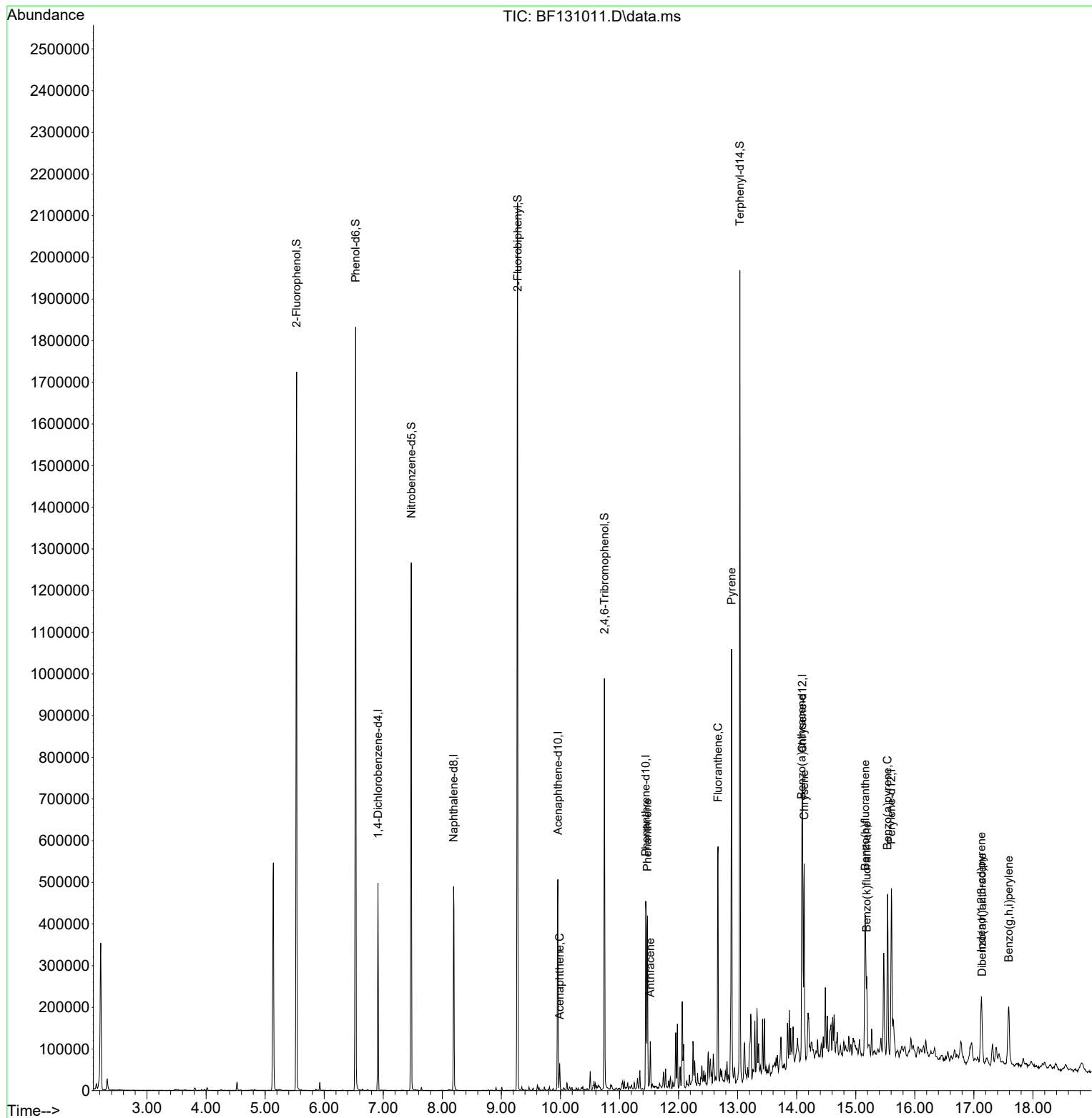
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110422\
Data File : BF131011.D
Acq On : 05 Nov 2022 02:19
Operator : CG\JU
Sample : N5419-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

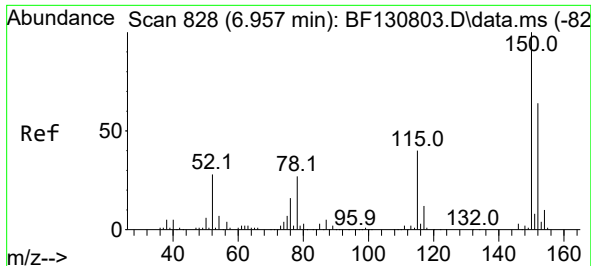
Instrument :
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ClientSampleId :
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Quant Time: Nov 05 03:05:23 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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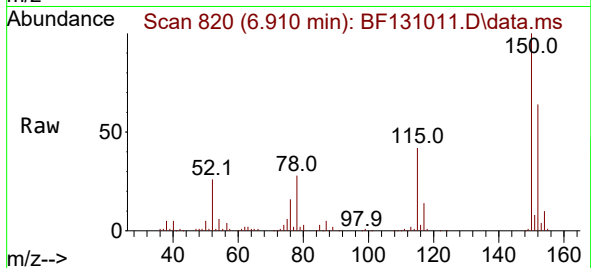
Reviewed By :Christian Giraldo 11/05/2022
Supervised By :Jagrut Upadhyay 11/07/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.910 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF131011.D
Acq: 05 Nov 2022 02:19

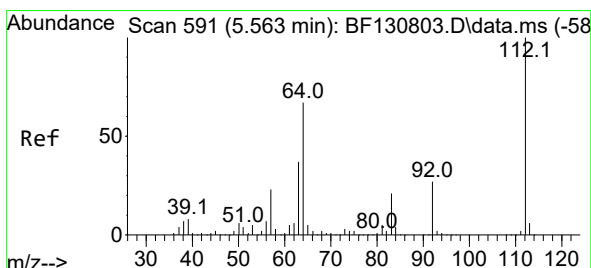
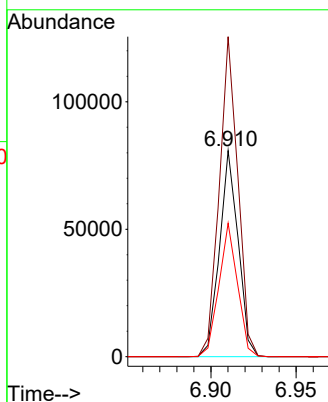
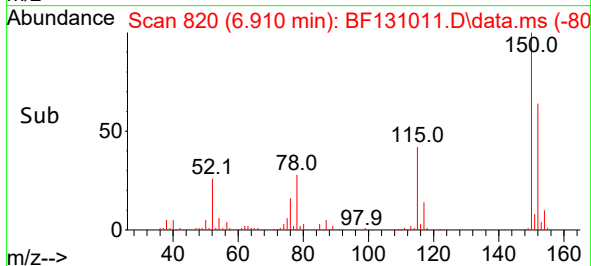
Instrument :
BNA_F
ClientSampleId :
VNJ-240



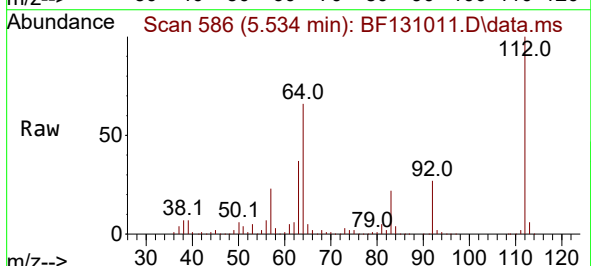
Tgt Ion:152 Resp: 61754
Ion Ratio Lower Upper
152 100
150 155.3 124.1 186.1
115 64.8 50.1 75.1

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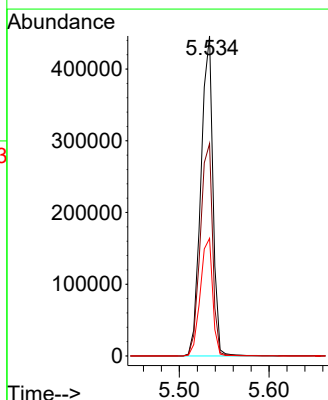
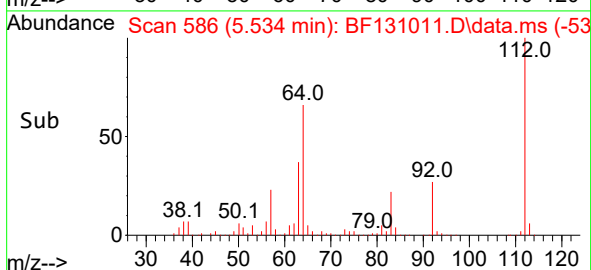
Reviewed By :Christian Giraldo 11/05/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#5
2-Fluorophenol
Concen: 116.720 ng
RT: 5.534 min Scan# 586
Delta R.T. 0.006 min
Lab File: BF131011.D
Acq: 05 Nov 2022 02:19



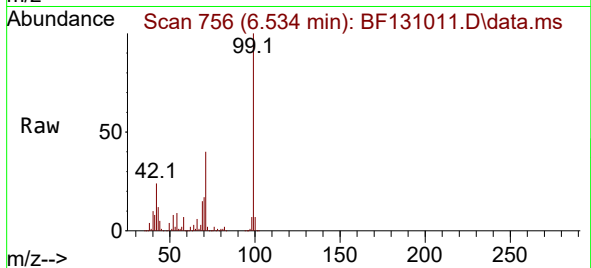
Tgt Ion:112 Resp: 415774
Ion Ratio Lower Upper
112 100
64 66.4 53.9 80.9
63 36.7 29.4 44.2





#7
Phenol-d6
Concen: 115.652 ng
RT: 6.534 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF131011.D
Acq: 05 Nov 2022 02:19

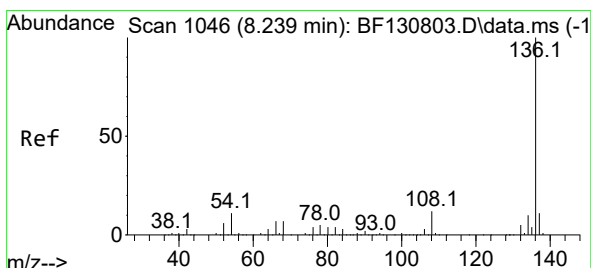
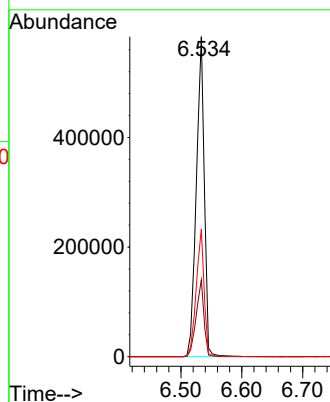
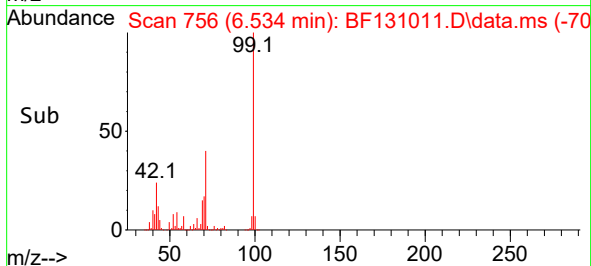
Instrument :
BNA_F
ClientSampleId :
VNJ-240



Tgt Ion: 99 Resp: 53535
Ion Ratio Lower Upper
99 100
42 24.0 18.8 28.2
71 39.9 31.4 47.0

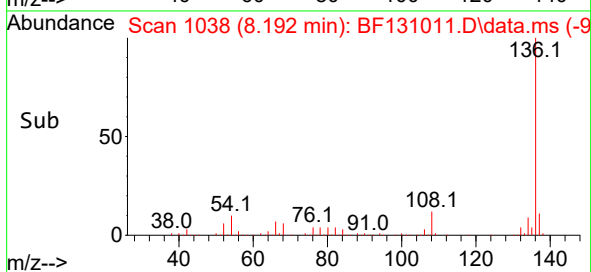
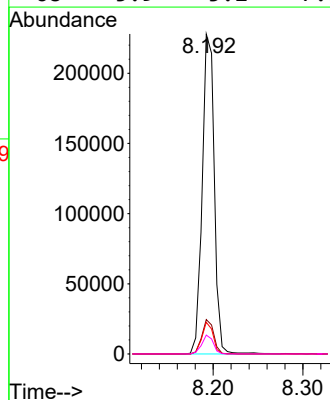
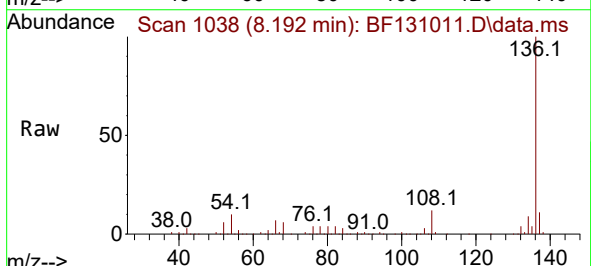
Manual Integrations
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.192 min Scan# 1038
Delta R.T. -0.012 min
Lab File: BF131011.D
Acq: 05 Nov 2022 02:19

Tgt Ion:136 Resp: 212839
Ion Ratio Lower Upper
136 100
137 10.8 9.2 13.8
54 9.9 8.8 13.2
68 5.9 5.2 7.8





#23

Nitrobenzene-d5

Concen: 103.390 ng

RT: 7.475 min Scan# 91

Delta R.T. -0.012 min

Lab File: BF131011.D

Acq: 05 Nov 2022 02:19

Instrument :

BNA_F

ClientSampleId :

VNJ-240

Tgt Ion: 82 Resp: 364938

Ion Ratio Lower Upper

82 100

128 39.8 31.2 46.8

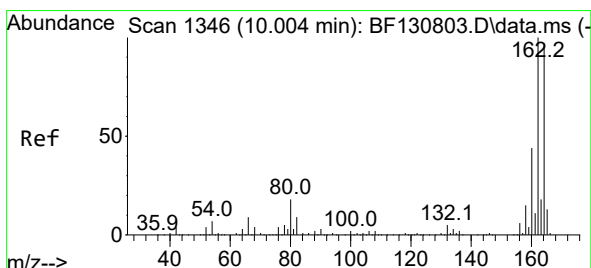
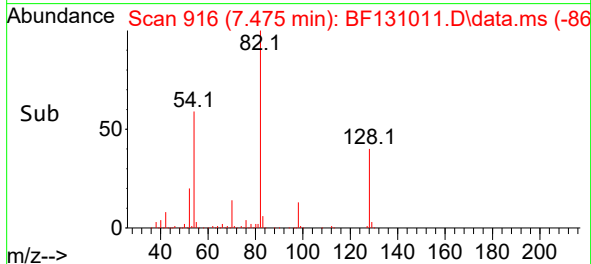
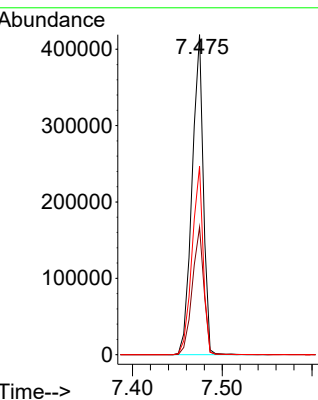
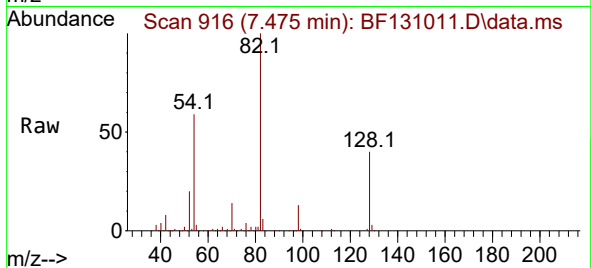
54 58.9 48.0 72.0

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Supervised By :Jagrut Upadhyay 11/07/2022



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.957 min Scan# 1338

Delta R.T. -0.006 min

Lab File: BF131011.D

Acq: 05 Nov 2022 02:19

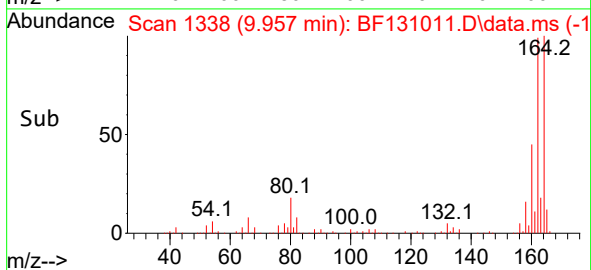
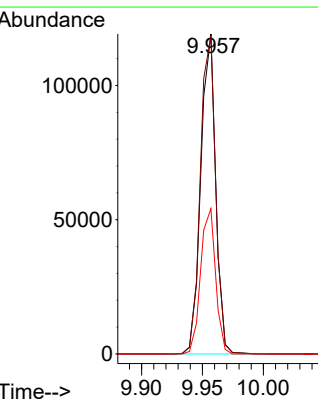
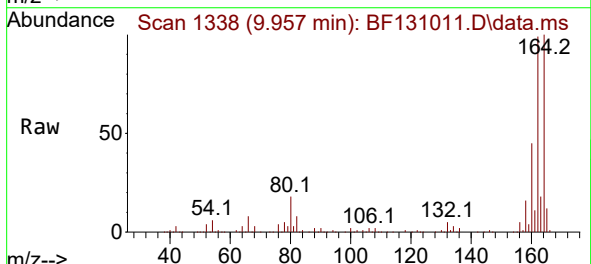
Tgt Ion:164 Resp: 100648

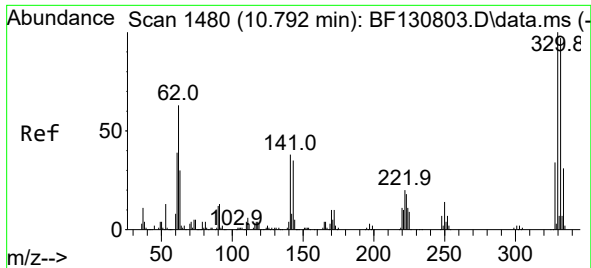
Ion Ratio Lower Upper

164 100

162 99.5 82.2 123.2

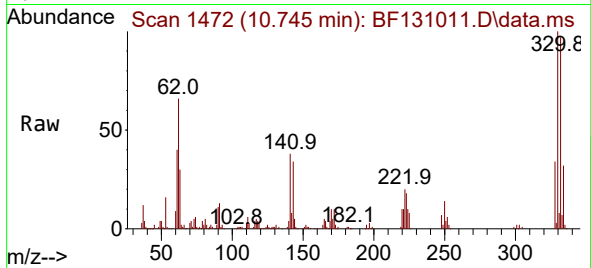
160 45.5 36.6 54.8





#42
2,4,6-Tribromophenol
Concen: 116.695 ng
RT: 10.745 min Scan# 1480
Delta R.T. -0.012 min
Lab File: BF131011.D
Acq: 05 Nov 2022 02:19

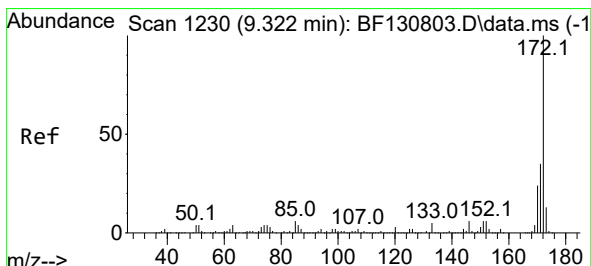
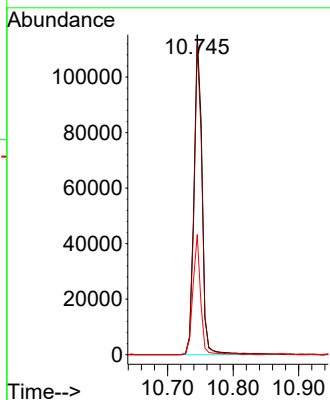
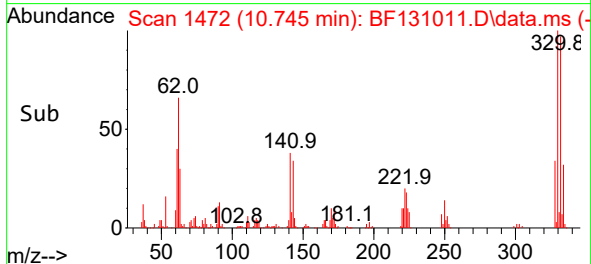
Instrument :
BNA_F
ClientSampleId :
VNJ-240



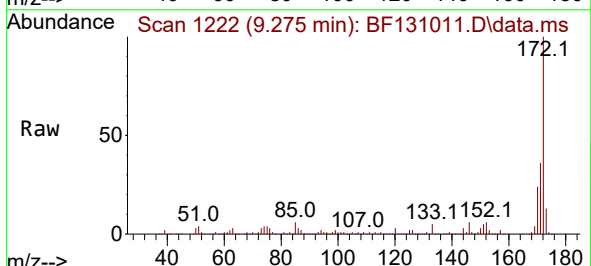
Tgt Ion:330 Resp: 98870
Ion Ratio Lower Upper
330 100
332 95.1 76.2 114.4
141 35.6 31.4 47.0

Manual Integrations
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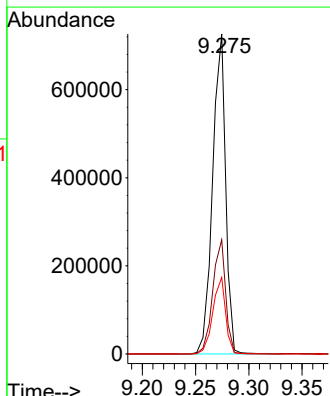
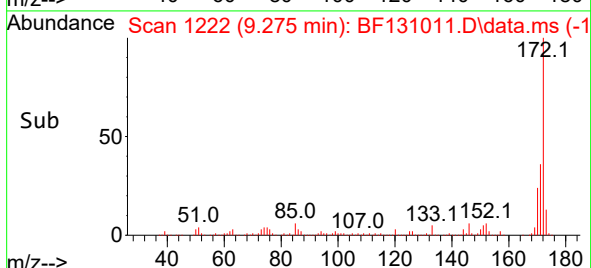
Reviewed By :Christian Giraldo 11/05/2022
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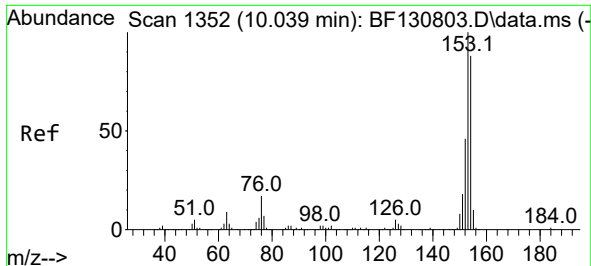


#45
2-Fluorobiphenyl
Concen: 92.589 ng
RT: 9.275 min Scan# 1222
Delta R.T. -0.006 min
Lab File: BF131011.D
Acq: 05 Nov 2022 02:19



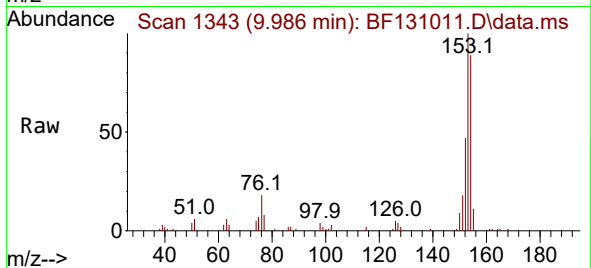
Tgt Ion:172 Resp: 616375
Ion Ratio Lower Upper
172 100
171 35.7 28.1 42.1
170 23.9 19.0 28.4





#52
Acenaphthene
Concen: 2.130 ng
RT: 9.986 min Scan# 1196
Delta R.T. -0.012 min
Lab File: BF131011.D
Acq: 05 Nov 2022 02:19

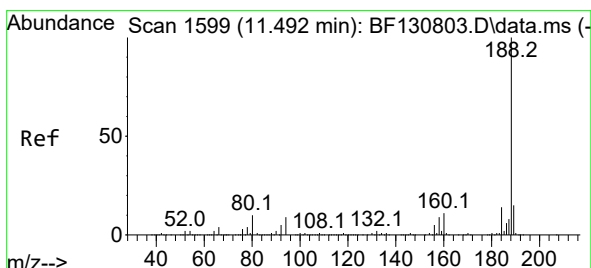
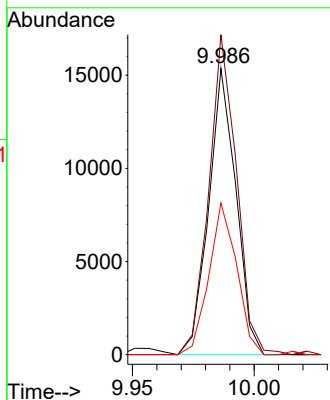
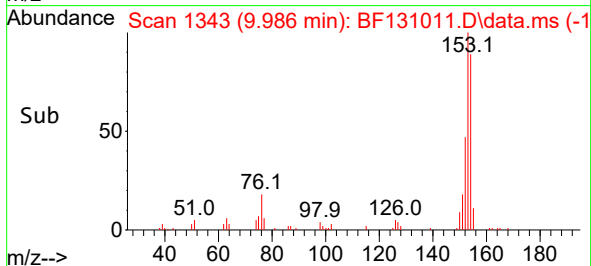
Instrument :
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VNJ-240



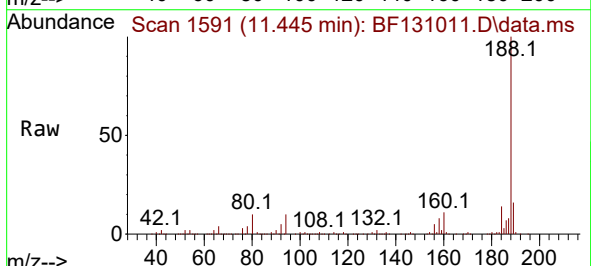
Tgt Ion:154 Resp: 1196
Ion Ratio Lower Upper
154 100
153 111.8 90.5 135.7
152 53.0 42.0 63.0

Manual Integrations
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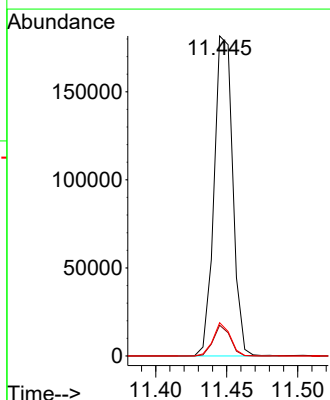
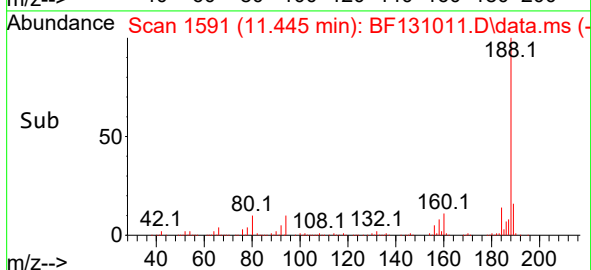
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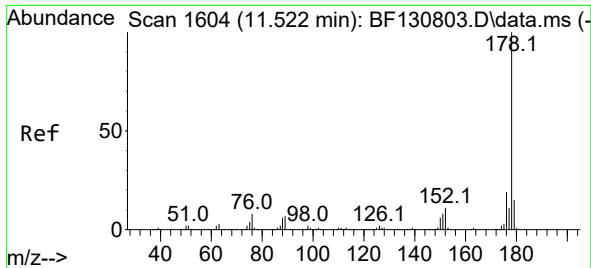


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.445 min Scan# 1591
Delta R.T. -0.012 min
Lab File: BF131011.D
Acq: 05 Nov 2022 02:19



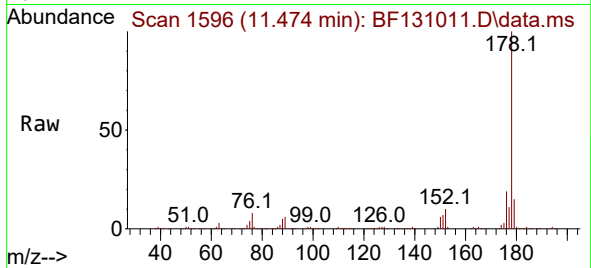
Tgt Ion:188 Resp: 165121
Ion Ratio Lower Upper
188 100
94 9.6 7.4 11.2
80 10.4 8.0 12.0





#71
Phenanthrene
Concen: 17.602 ng
RT: 11.474 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF131011.D
Acq: 05 Nov 2022 02:19

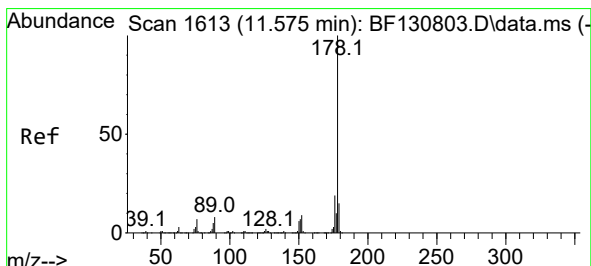
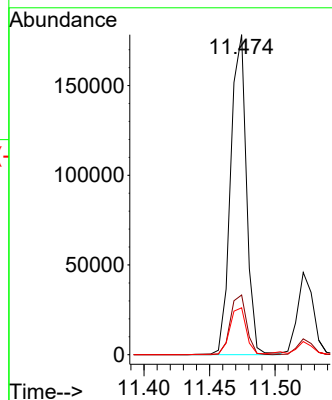
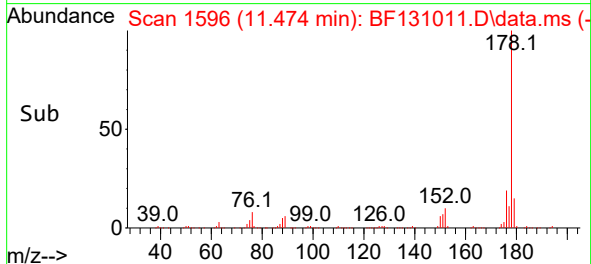
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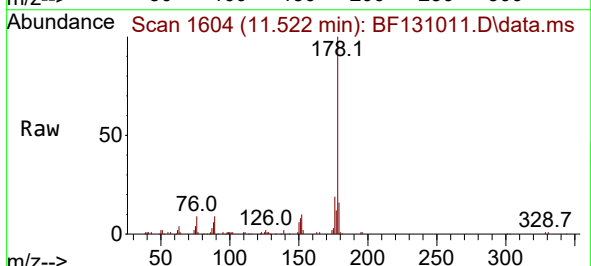
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Ion Ratio Lower Upper
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176 18.7 15.5 23.3
179 14.6 12.2 18.2

Manual Integrations
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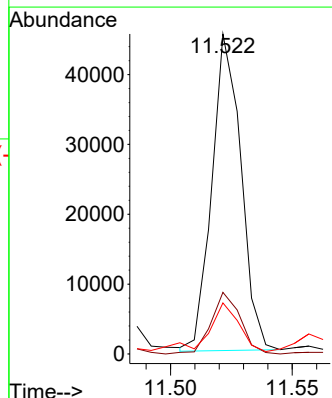
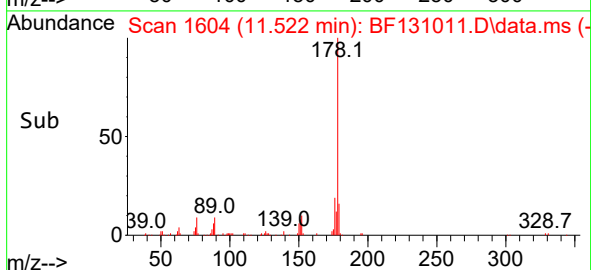
Reviewed By :Christian Giraldo 11/05/2022
Supervised By :Jagrut Upadhyay 11/07/2022

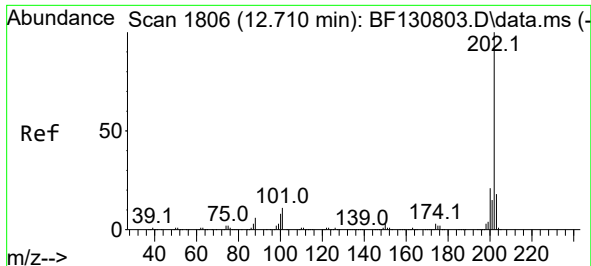


#72
Anthracene
Concen: 4.483 ng
RT: 11.522 min Scan# 1604
Delta R.T. -0.012 min
Lab File: BF131011.D
Acq: 05 Nov 2022 02:19



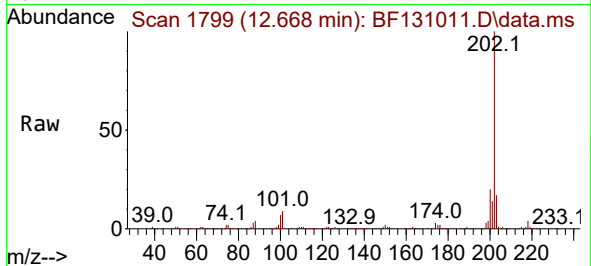
Tgt Ion:178 Resp: 37681
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.0
179 16.0 12.2 18.4





#75
Fluoranthene
Concen: 24.134 ng
RT: 12.668 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF131011.D
Acq: 05 Nov 2022 02:19

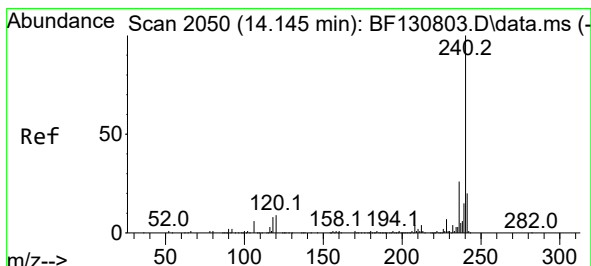
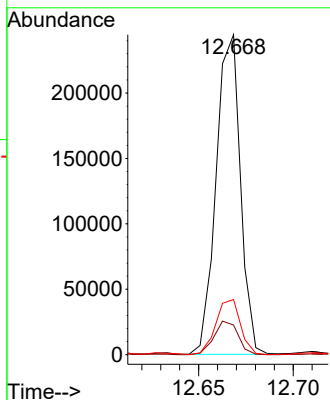
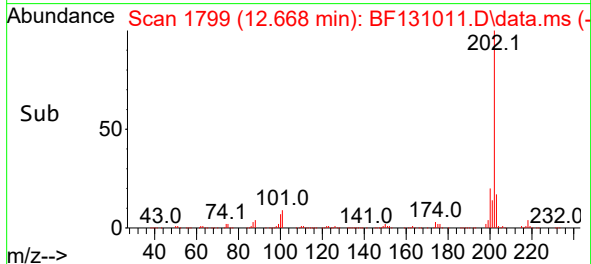
Instrument :
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VNJ-240



Tgt Ion:202 Resp: 218530
Ion Ratio Lower Upper
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101 9.3 0.0 30.9
203 17.2 0.0 37.7

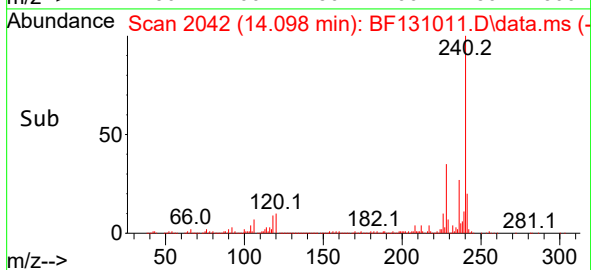
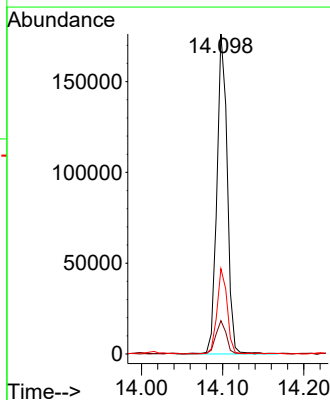
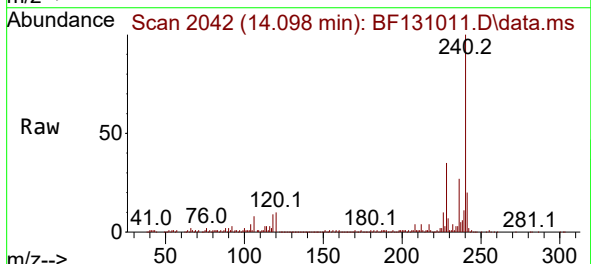
Manual Integrations
APPROVED

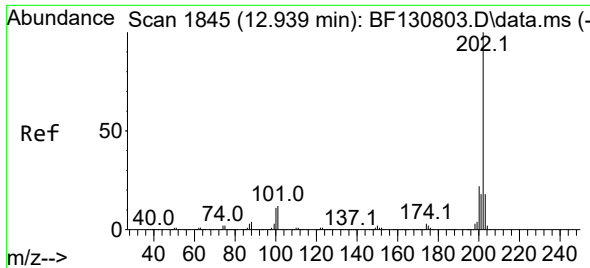
Reviewed By :Christian Giraldo 11/05/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2042
Delta R.T. -0.006 min
Lab File: BF131011.D
Acq: 05 Nov 2022 02:19

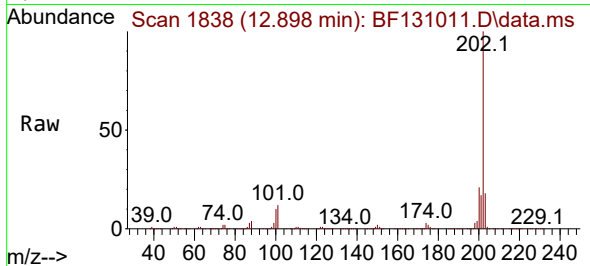
Tgt Ion:240 Resp: 156779
Ion Ratio Lower Upper
240 100
120 10.4 7.0 10.4
236 26.7 20.5 30.7





#78
Pyrene
Concen: 30.318 ng
RT: 12.898 min Scan# 1838
Delta R.T. -0.006 min
Lab File: BF131011.D
Acq: 05 Nov 2022 02:19

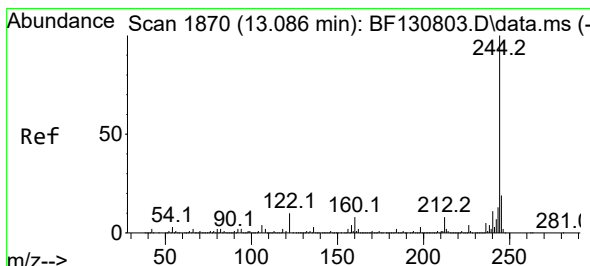
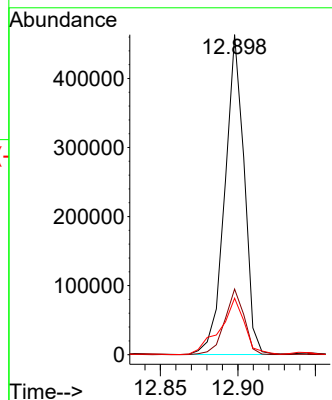
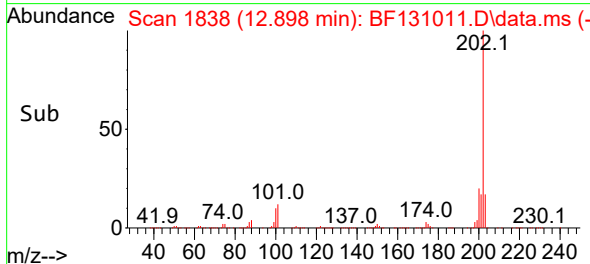
Instrument :
BNA_F
ClientSampleId :
VNJ-240



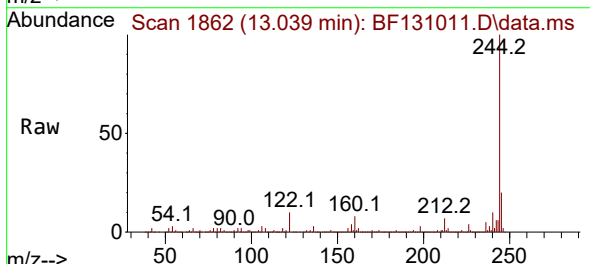
Tgt Ion:202 Resp: 401015
Ion Ratio Lower Upper
202 100
200 20.5 17.2 25.8
203 17.7 14.5 21.7

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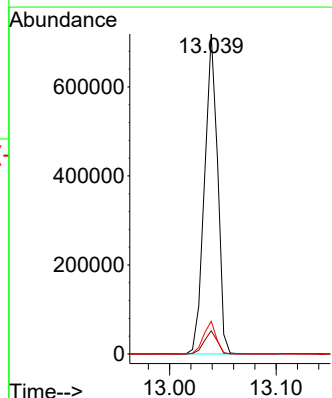
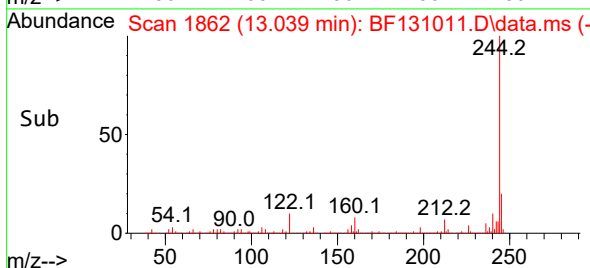
Reviewed By :Christian Giraldo 11/05/2022
Supervised By :Jagrut Upadhyay 11/07/2022

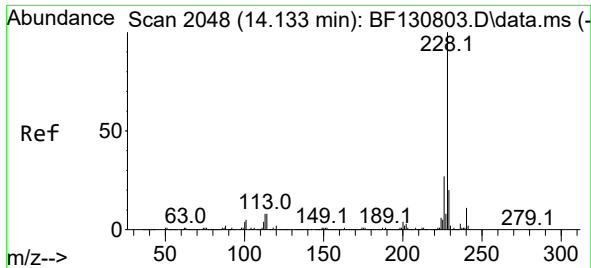


#79
Terphenyl-d14
Concen: 71.795 ng
RT: 13.039 min Scan# 1862
Delta R.T. -0.006 min
Lab File: BF131011.D
Acq: 05 Nov 2022 02:19



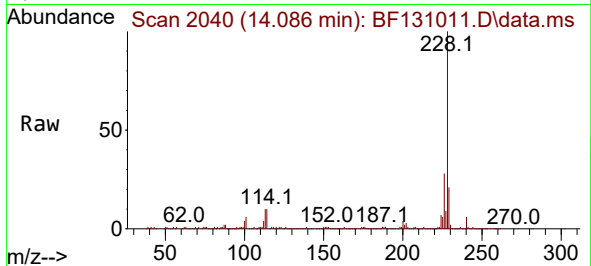
Tgt Ion:244 Resp: 614259
Ion Ratio Lower Upper
244 100
212 7.3 6.2 9.2
122 10.2 7.9 11.9





#81
Benzo(a)anthracene
Concen: 19.123 ng
RT: 14.086 min Scan# 2040
Delta R.T. -0.012 min
Lab File: BF131011.D
Acq: 05 Nov 2022 02:19

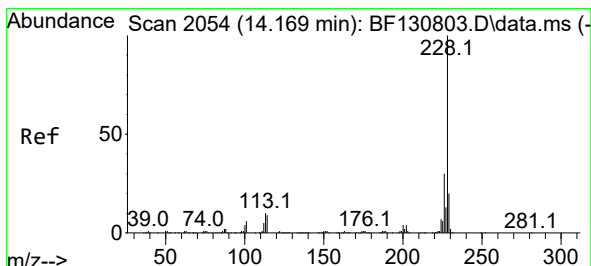
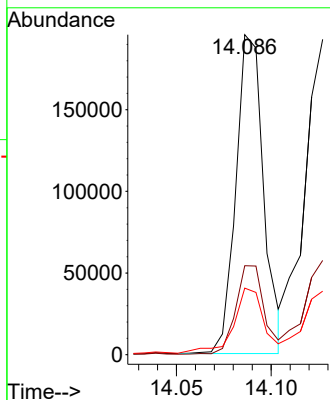
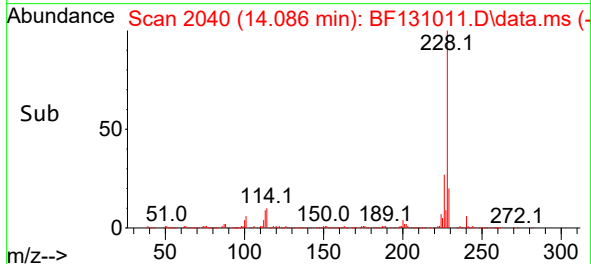
Instrument :
BNA_F
ClientSampleId :
VNJ-240



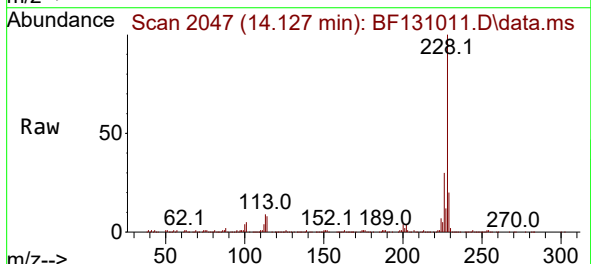
Tgt Ion:228 Resp: 198772
Ion Ratio Lower Upper
228 100
226 27.8 21.4 32.2
229 20.8 15.8 23.6

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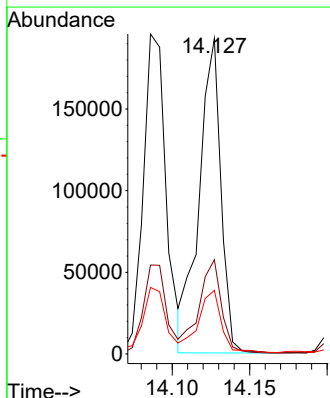
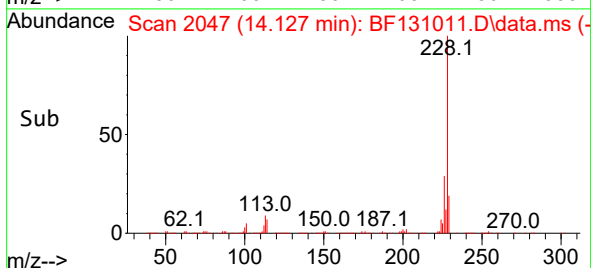
Reviewed By :Christian Giraldo 11/05/2022
Supervised By :Jagrut Upadhyay 11/07/2022

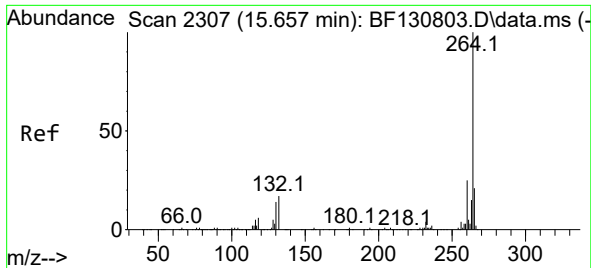


#83
Chrysene
Concen: 18.857 ng
RT: 14.127 min Scan# 2047
Delta R.T. -0.006 min
Lab File: BF131011.D
Acq: 05 Nov 2022 02:19



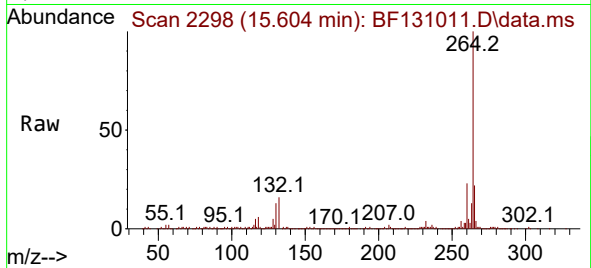
Tgt Ion:228 Resp: 189061
Ion Ratio Lower Upper
228 100
226 29.9 23.9 35.9
229 20.1 15.8 23.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.604 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF131011.D
Acq: 05 Nov 2022 02:19

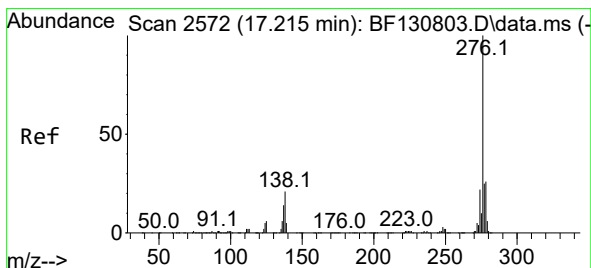
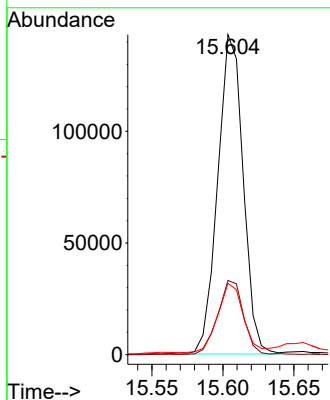
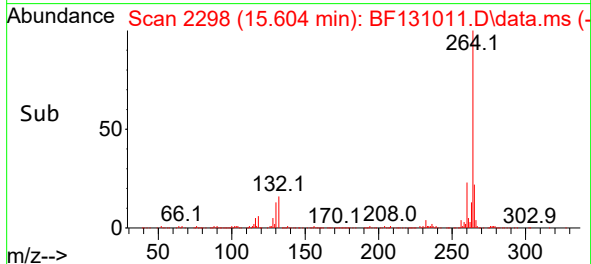
Instrument :
BNA_F
ClientSampleId :
VNJ-240



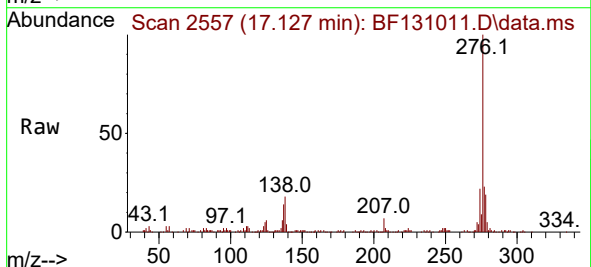
Tgt Ion:264 Resp: 17778
Ion Ratio Lower Upper
264 100
260 23.2 19.9 29.9
265 22.3 17.0 25.6

Manual Integrations
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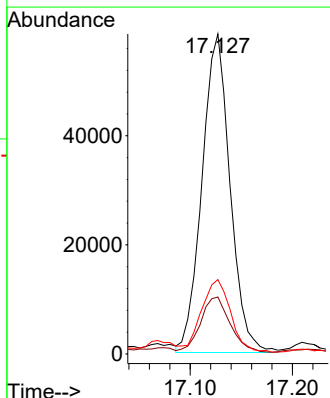
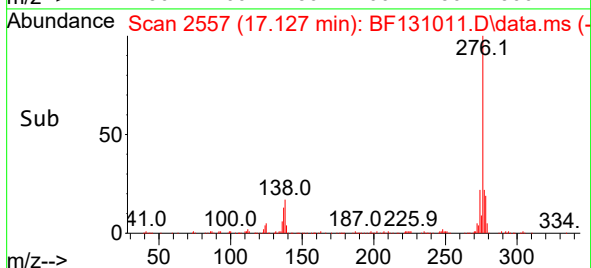
Reviewed By :Christian Giraldo 11/05/2022
Supervised By :Jagrut Upadhyay 11/07/2022

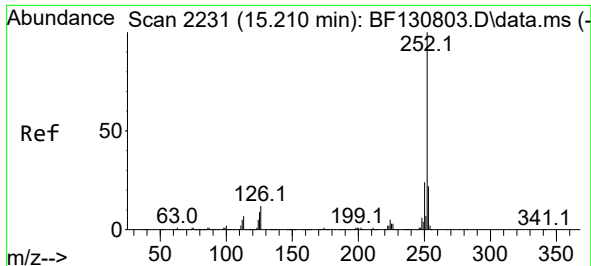


#87
Indeno(1,2,3-cd)pyrene
Concen: 9.452 ng m
RT: 17.127 min Scan# 2557
Delta R.T. -0.018 min
Lab File: BF131011.D
Acq: 05 Nov 2022 02:19



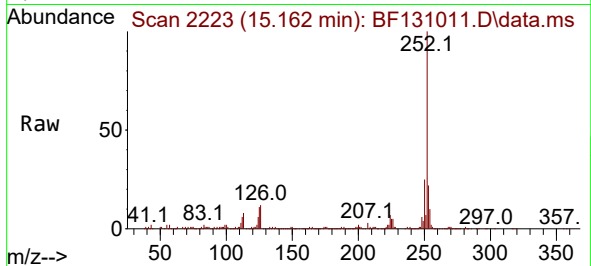
Tgt Ion:276 Resp: 111597
Ion Ratio Lower Upper
276 100
138 4.2 19.1 28.7#
277 5.2 20.1 30.1#





#88
Benzo(b)fluoranthene
Concen: 17.699 ng m
RT: 15.162 min Scan# 211
Delta R.T. -0.000 min
Lab File: BF131011.D
Acq: 05 Nov 2022 02:19

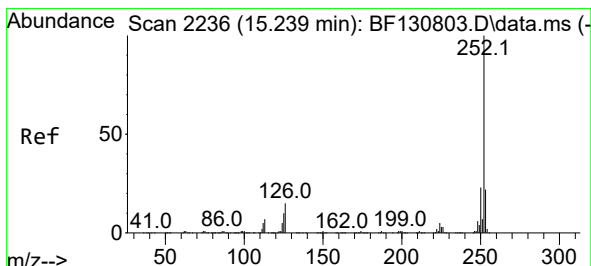
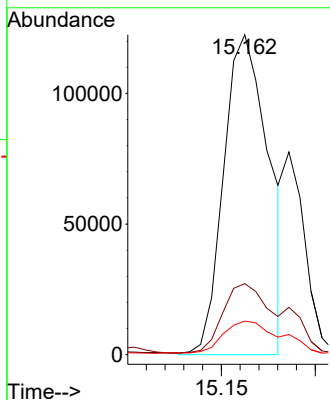
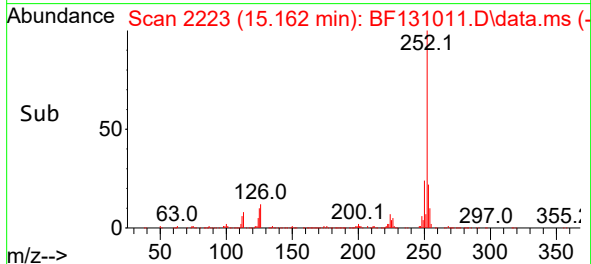
Instrument :
BNA_F
ClientSampleId :
VNJ-240



Tgt Ion:252 Resp: 20341
Ion Ratio Lower Upper
252 100
253 22.2 17.5 26.3
125 10.5 7.0 10.4

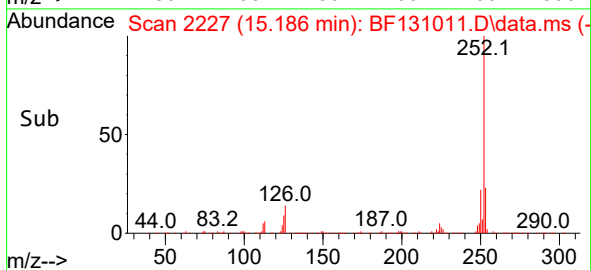
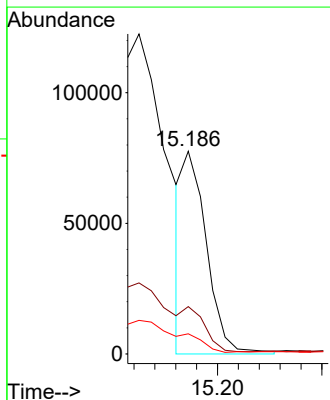
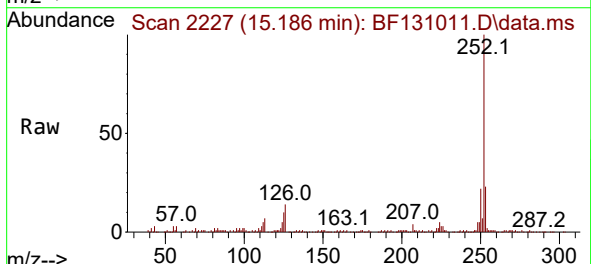
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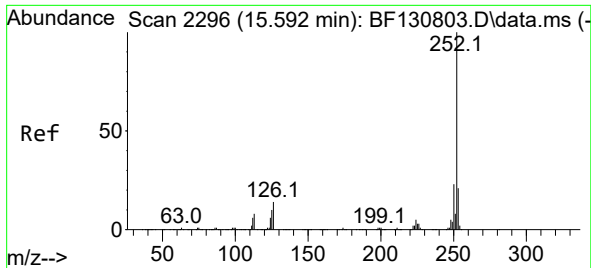
Reviewed By :Christian Giraldo 11/05/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#89
Benzo(k)fluoranthene
Concen: 5.490 ng m
RT: 15.186 min Scan# 2227
Delta R.T. -0.012 min
Lab File: BF131011.D
Acq: 05 Nov 2022 02:19

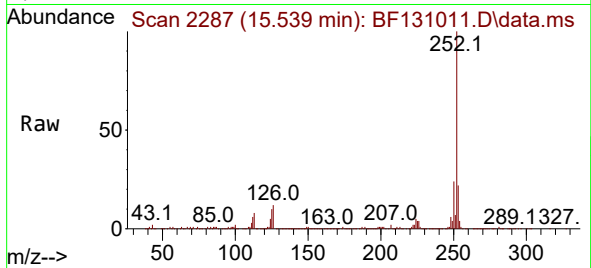
Tgt Ion:252 Resp: 61484
Ion Ratio Lower Upper
252 100
253 23.3 17.5 26.3
125 9.9 8.0 12.0





#90
Benzo(a)pyrene
Concen: 19.843 ng
RT: 15.539 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF131011.D
Acq: 05 Nov 2022 02:19

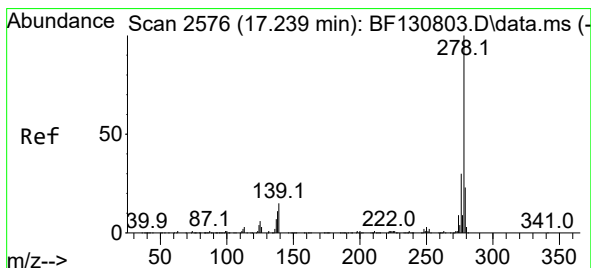
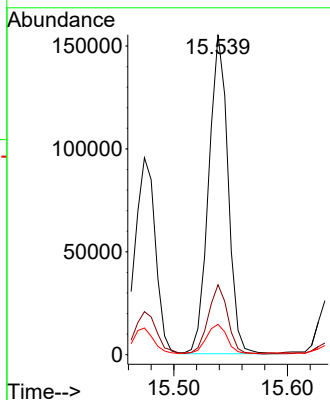
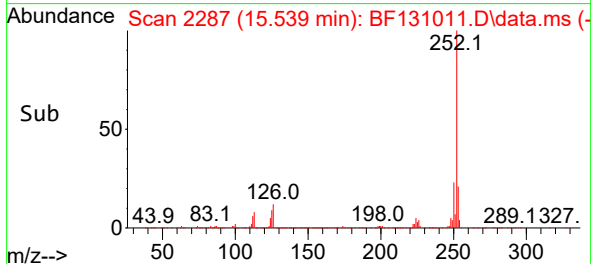
Instrument :
BNA_F
ClientSampleId :
VNJ-240



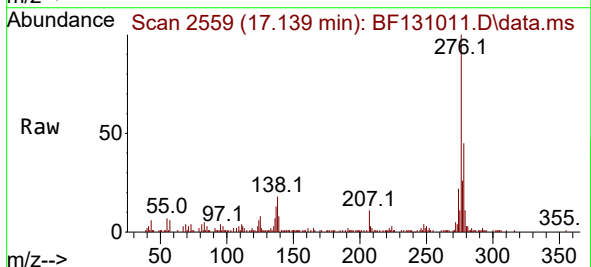
Tgt Ion:252 Resp: 183320
Ion Ratio Lower Upper
252 100
253 21.9 16.8 25.2
125 9.5 8.3 12.5

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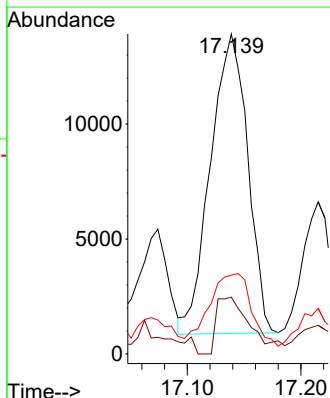
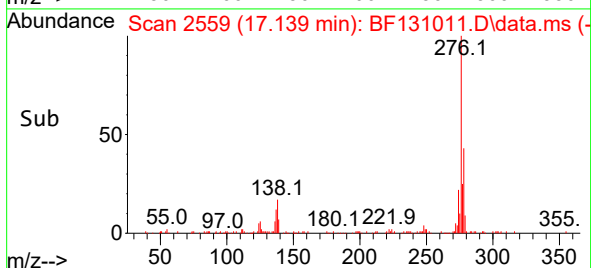
Reviewed By :Christian Giraldo 11/05/2022
Supervised By :Jagrut Upadhyay 11/07/2022

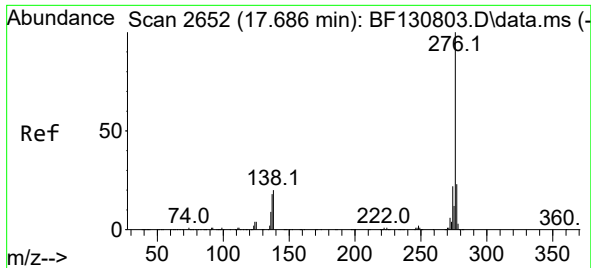


#91
Dibenzo(a,h)anthracene
Concen: 3.084 ng
RT: 17.139 min Scan# 2559
Delta R.T. -0.024 min
Lab File: BF131011.D
Acq: 05 Nov 2022 02:19



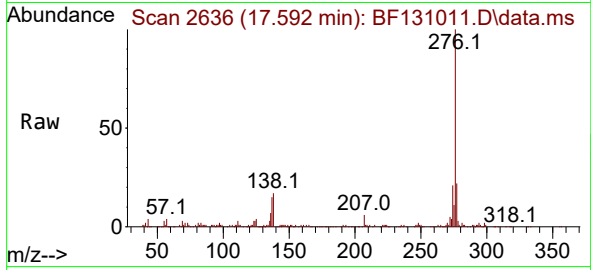
Tgt Ion:278 Resp: 29684
Ion Ratio Lower Upper
278 100
139 17.8 11.9 17.9
279 24.6 18.6 28.0





#92
 Benzo(g,h,i)perylene
 Concen: 11.487 ng
 RT: 17.592 min Scan# 20
 Delta R.T. -0.018 min
 Lab File: BF131011.D
 Acq: 05 Nov 2022 02:19

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-240



Tgt Ion: 276 Resp: 112790
 Ion Ratio Lower Upper
 276 100
 277 22.2 18.8 28.2
 138 16.6 16.3 24.5

Manual Integrations
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Reviewed By : Christian Giraldo 11/05/2022
 Supervised By : Jagrut Upadhyay 11/07/2022

