

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060822\
 Data File : BF128734.D
 Acq On : 08 Jun 2022 14:31
 Operator : CG\JU
 Sample : N3209-09RE
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-14B-10-GRRE

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 06/09/2022
 Supervised By : Jagrut Upadhyay 06/09/2022

Quant Time: Jun 08 15:20:29 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 08 14:28:39 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.810	152	71947	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	210474	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	96848	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	161522	20.000	ng	0.00
76) Chrysene-d12	13.992	240	148268	20.000	ng	0.00
86) Perylene-d12	15.456	264	114387	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	415715	92.035	ng	0.00
7) Phenol-d6	6.475	99	502735	91.180	ng	0.00
23) Nitrobenzene-d5	7.375	82	306218	67.738	ng	0.00
42) 2,4,6-Tribromophenol	10.645	330	95923	83.826	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	488523	70.660	ng	0.00
79) Terphenyl-d14	12.933	244	511807	59.982	ng	0.00
Target Compounds					Qvalue	
31) Naphthalene	8.116	128	31911	2.954	ng	# 78
37) 2-Methylnaphthalene	8.810	142	61362	8.931	ng	99
38) 1-Methylnaphthalene	8.910	142	96570	14.548	ng	98
58) Fluorene	10.404	166	16203	2.630	ng	# 91
71) Phenanthrene	11.363	178	46797	5.776	ng	95
75) Fluoranthene	12.557	202	31068	3.669	ng	90
78) Pyrene	12.786	202	78216	7.091	ng	95
81) Benzo(a)anthracene	13.980	228	56662	6.131	ng	# 82
83) Chrysene	14.015	228	80951	9.187	ng	# 83
87) Indeno(1,2,3-cd)pyrene	16.909	276	14841	2.153	ng	95
88) Benzo(b)fluoranthene	15.027	252	29183m	3.993	ng	
90) Benzo(a)pyrene	15.392	252	34142	5.943	ng	# 77
92) Benzo(g,h,i)perylene	17.350	276	34793	6.139	ng	96

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

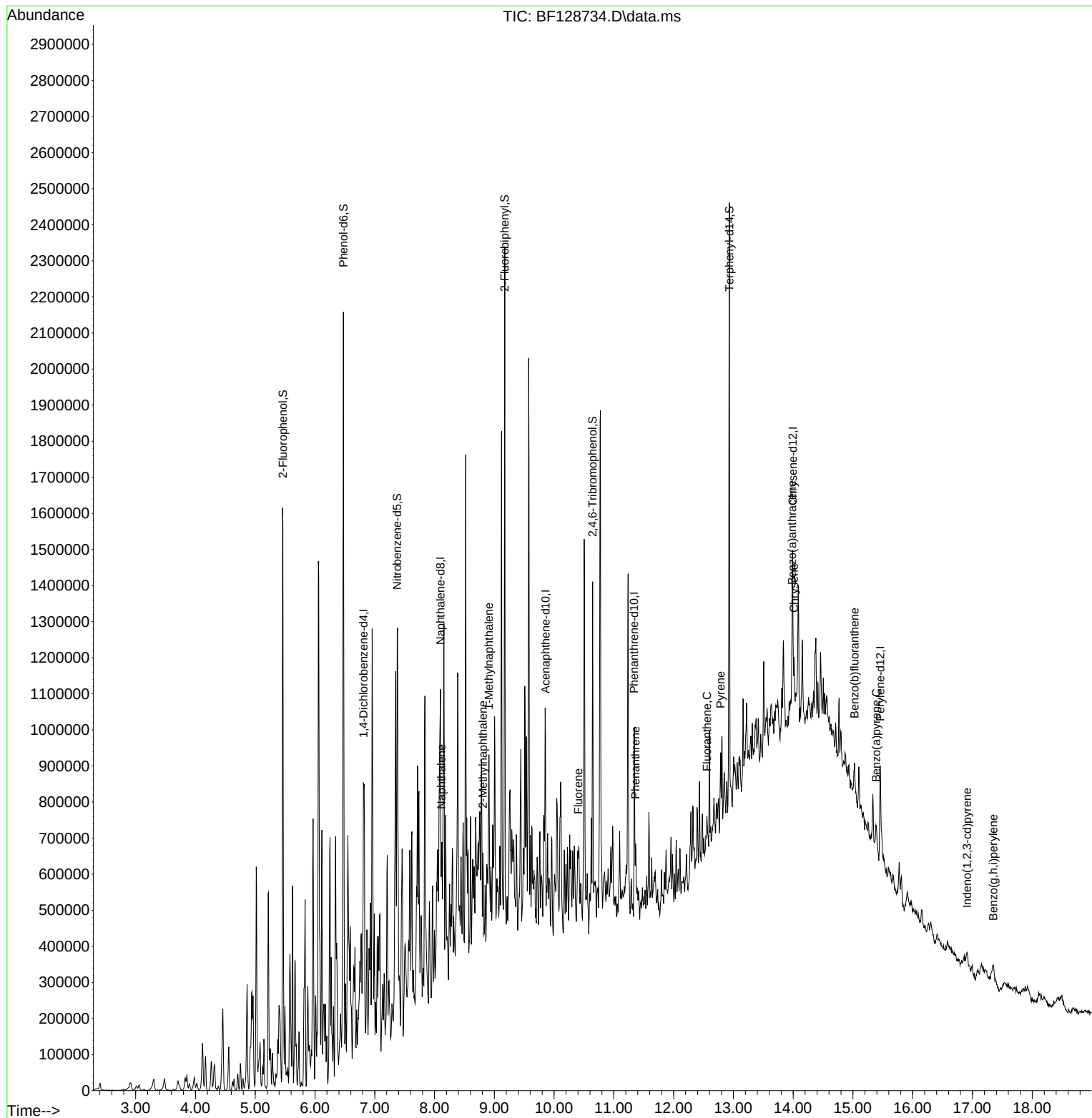
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060822\
Data File : BF128734.D
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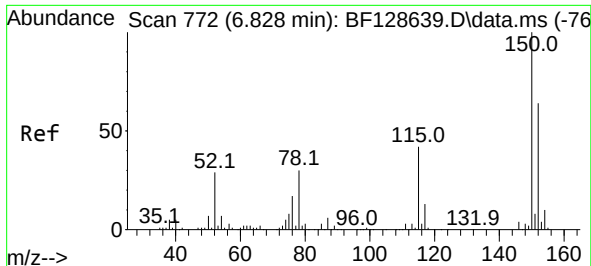
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Quant Time: Jun 08 15:20:29 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
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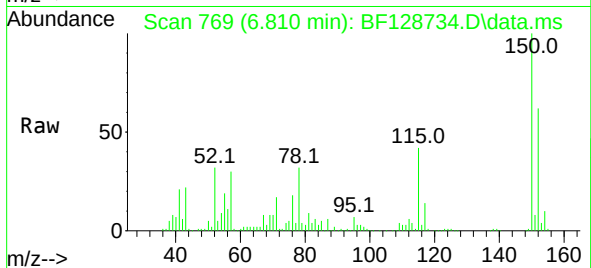
Reviewed By : Christian Giraldo 06/09/2022
Supervised By : Jagrut Upadhyay 06/09/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.810 min Scan# 7194
Delta R.T. -0.000 min
Lab File: BF128734.D
Acq: 08 Jun 2022 14:31

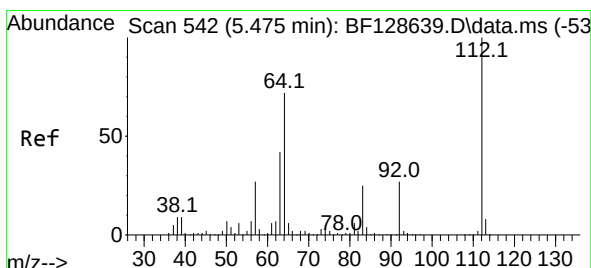
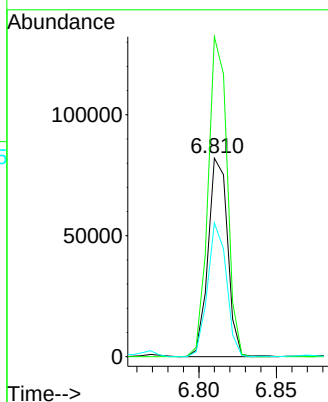
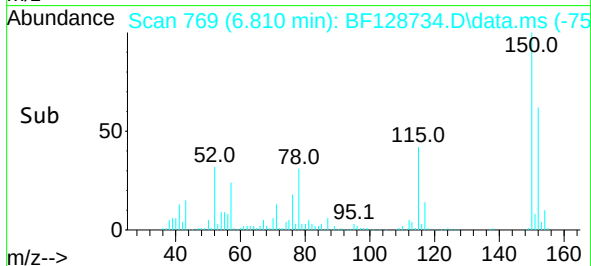
Instrument :
BNA_F
ClientSampleId :
WC-14B-10-GRRE



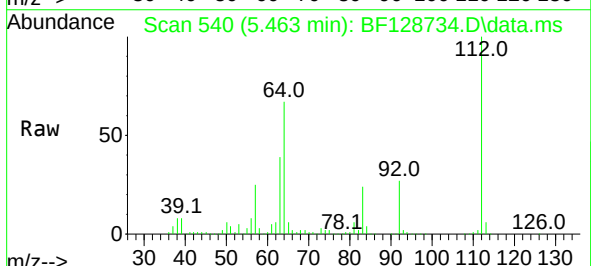
Tgt Ion:152 Resp: 7194
Ion Ratio Lower Upper
152 100
150 161.1 123.7 185.5
115 67.4 49.9 74.9

Manual Integrations
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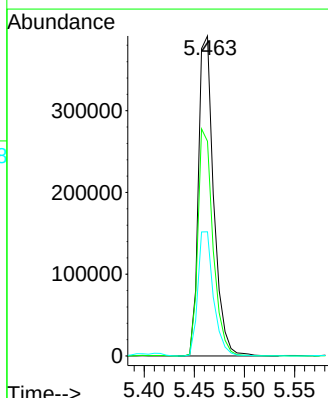
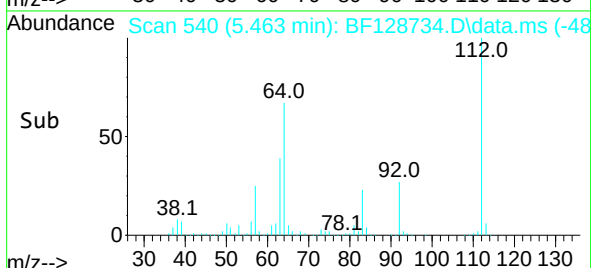
Reviewed By :Christian Giraldo 06/09/2022
Supervised By :Jagrut Upadhyay 06/09/2022

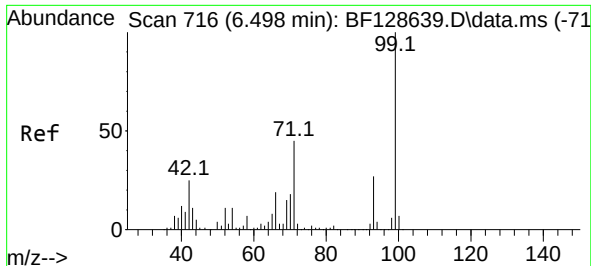


#5
2-Fluorophenol
Concen: 92.035 ng
RT: 5.463 min Scan# 540
Delta R.T. 0.006 min
Lab File: BF128734.D
Acq: 08 Jun 2022 14:31



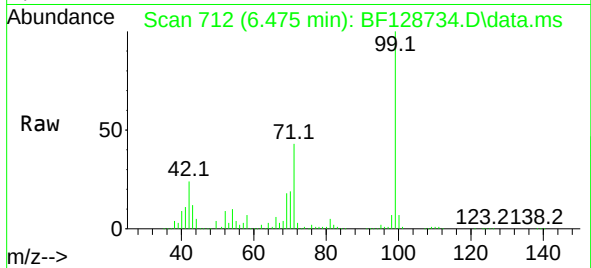
Tgt Ion:112 Resp: 415715
Ion Ratio Lower Upper
112 100
64 67.1 53.3 79.9
63 38.8 28.0 42.0





#7
Phenol-d6
Concen: 91.180 ng
RT: 6.475 min Scan# 716
Delta R.T. -0.006 min
Lab File: BF128734.D
Acq: 08 Jun 2022 14:31

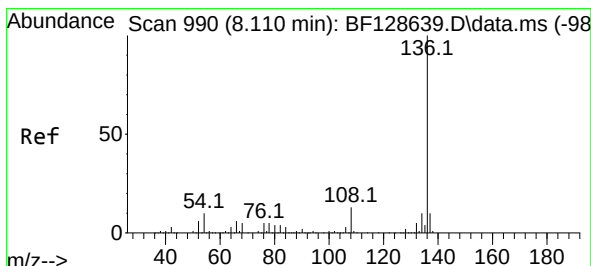
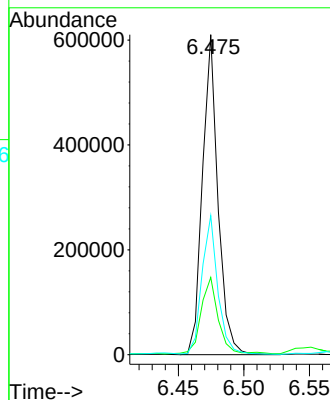
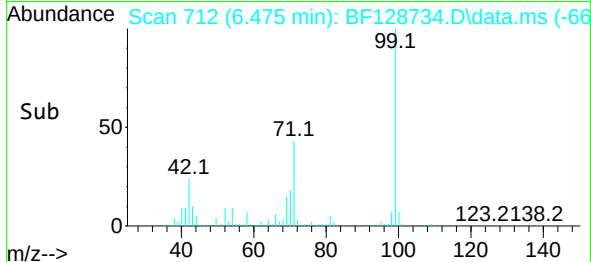
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion: 99 Resp: 502738
Ion Ratio Lower Upper
99 100
42 24.1 17.3 25.9
71 43.5 28.9 43.3

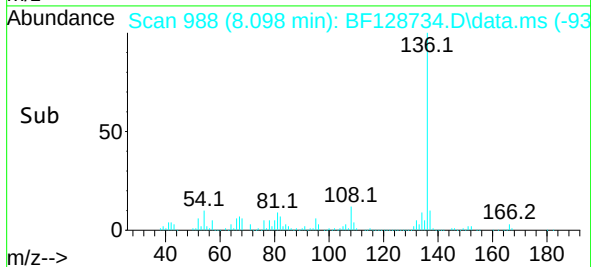
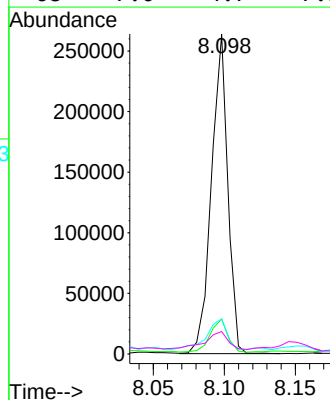
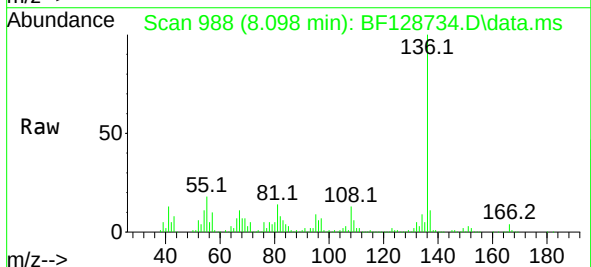
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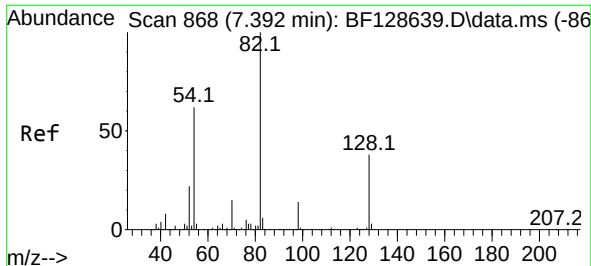
Reviewed By :Christian Giraldo 06/09/2022
Supervised By :Jagrut Upadhyay 06/09/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 988
Delta R.T. -0.000 min
Lab File: BF128734.D
Acq: 08 Jun 2022 14:31

Tgt Ion:136 Resp: 210474
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 11.0 7.5 11.3
68 7.0 4.7 7.1





#23

Nitrobenzene-d5

Concen: 67.738 ng

RT: 7.375 min Scan# 80

Delta R.T. -0.006 min

Lab File: BF128734.D

Acq: 08 Jun 2022 14:31

Instrument :

BNA_F

ClientSampleId :

WC-14B-10-GRRE

Tgt Ion: 82 Resp: 306218

Ion Ratio Lower Upper

82 100

128 38.4 34.0 51.0

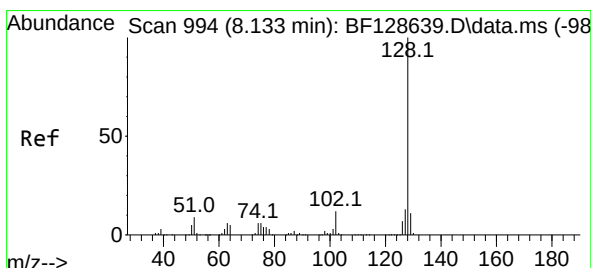
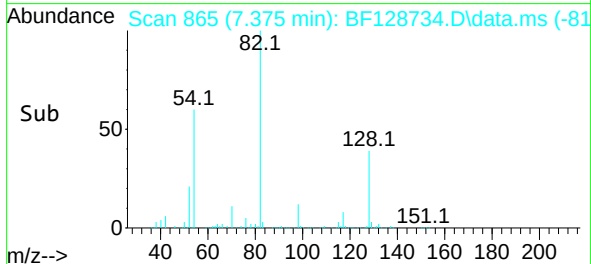
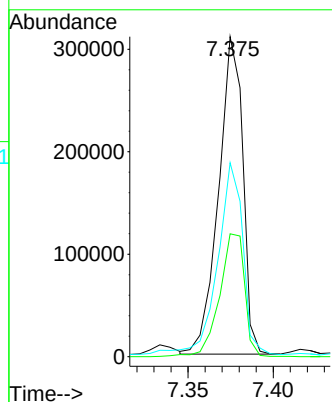
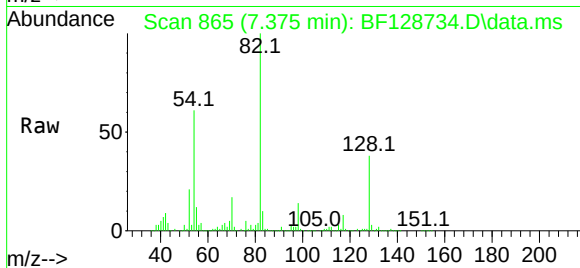
54 60.6 46.9 70.3

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#31

Naphthalene

Concen: 2.954 ng

RT: 8.116 min Scan# 991

Delta R.T. -0.006 min

Lab File: BF128734.D

Acq: 08 Jun 2022 14:31

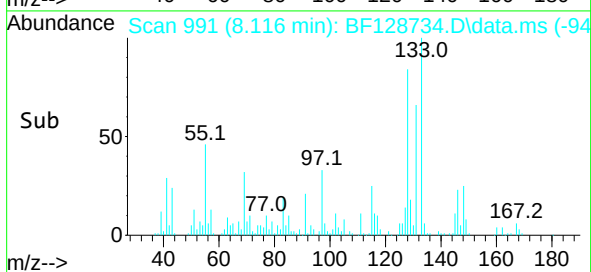
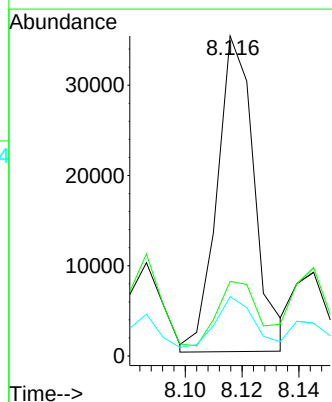
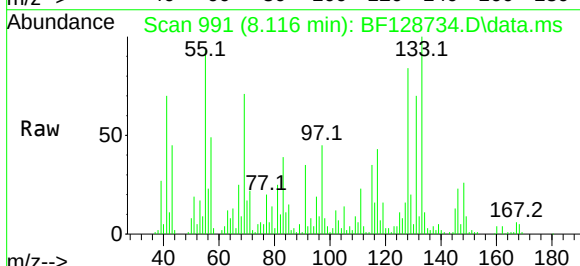
Tgt Ion:128 Resp: 31911

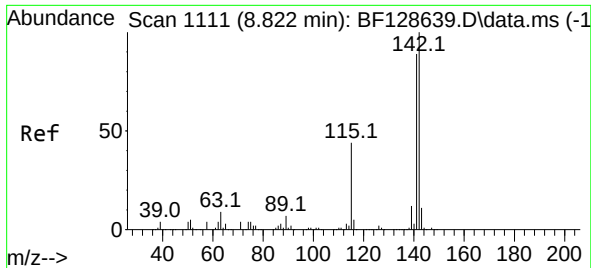
Ion Ratio Lower Upper

128 100

129 23.3 9.2 13.8#

127 18.5 10.5 15.7#





#37

2-Methylnaphthalene

Concen: 8.931 ng

RT: 8.810 min Scan# 1111

Delta R.T. -0.000 min

Lab File: BF128734.D

Acq: 08 Jun 2022 14:31

Instrument :

BNA_F

ClientSampleId :

WC-14B-10-GRRE

Tgt Ion:142 Resp: 6136

Ion Ratio Lower Upper

142 100

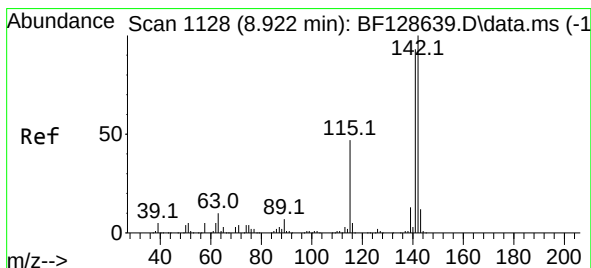
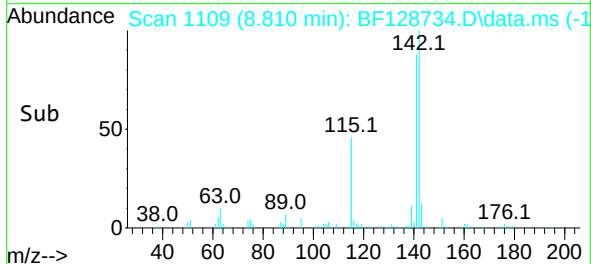
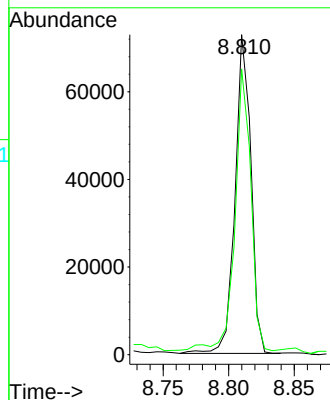
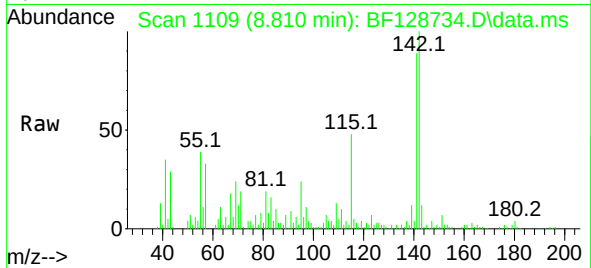
141 89.3 71.0 106.4

Manual Integrations

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#38

1-Methylnaphthalene

Concen: 14.548 ng

RT: 8.910 min Scan# 1126

Delta R.T. -0.000 min

Lab File: BF128734.D

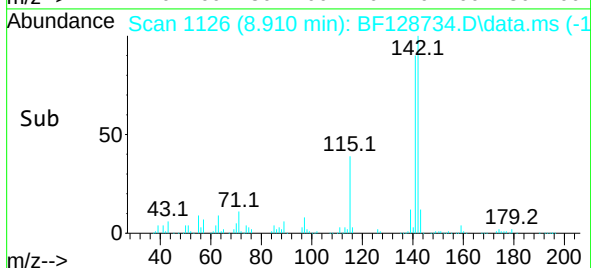
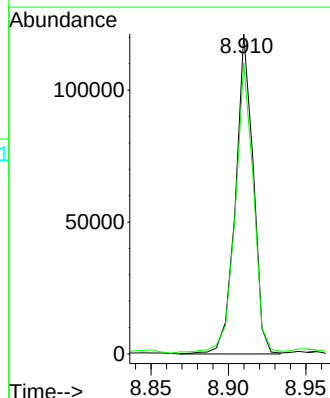
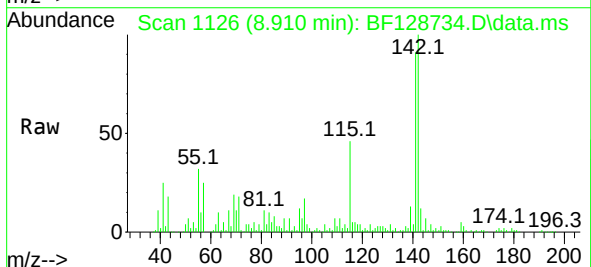
Acq: 08 Jun 2022 14:31

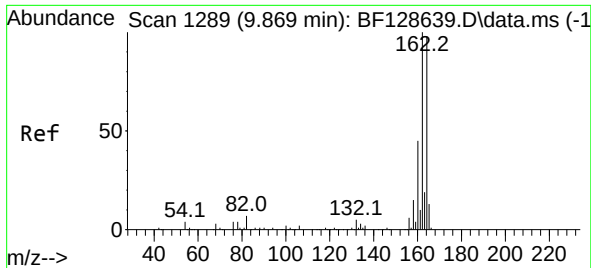
Tgt Ion:142 Resp: 96570

Ion Ratio Lower Upper

142 100

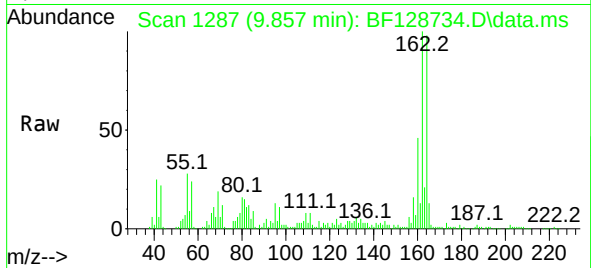
141 91.0 74.2 111.4





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF128734.D
Acq: 08 Jun 2022 14:31

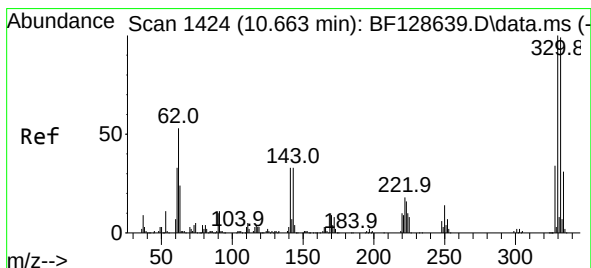
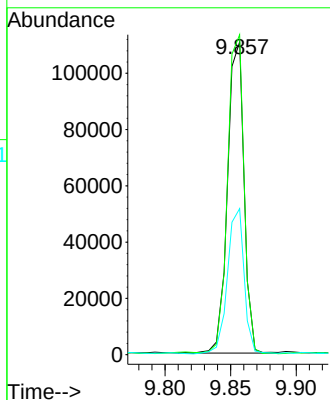
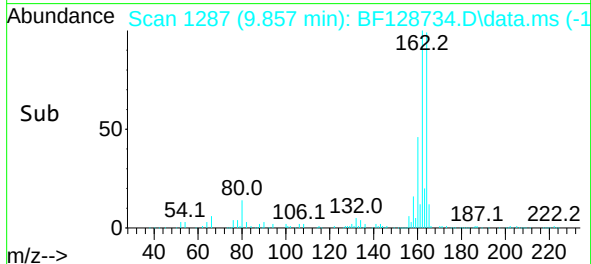
Instrument :
BNA_F
ClientSampleId :
WC-14B-10-GRRE



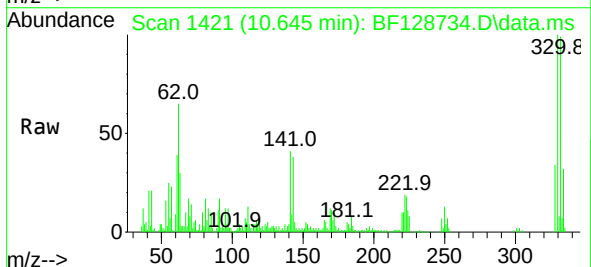
Tgt Ion:164 Resp: 9684
Ion Ratio Lower Upper
164 100
162 102.3 79.5 119.3
160 46.7 34.2 51.4

Manual Integrations
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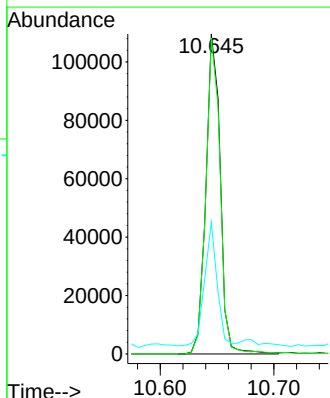
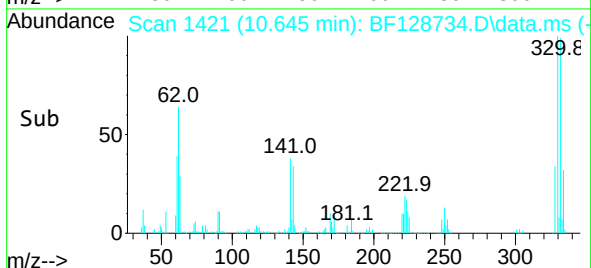
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Supervised By :Jagrut Upadhyay 06/09/2022

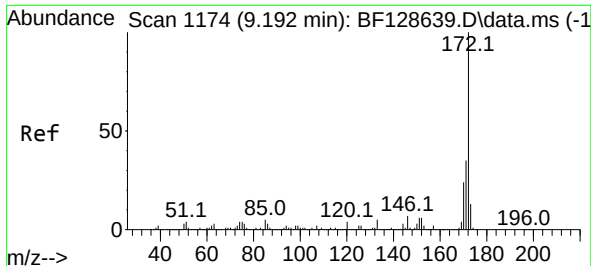


#42
2,4,6-Tribromophenol
Concen: 83.826 ng
RT: 10.645 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF128734.D
Acq: 08 Jun 2022 14:31



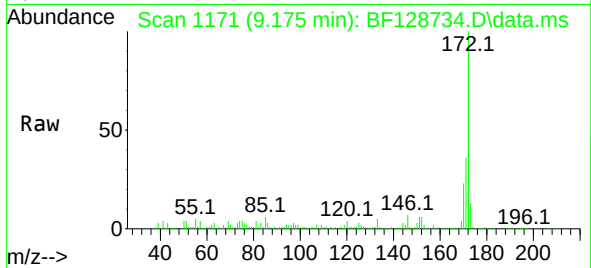
Tgt Ion:330 Resp: 95923
Ion Ratio Lower Upper
330 100
332 98.1 76.8 115.2
141 33.8 28.0 42.0





#45
2-Fluorobiphenyl
Concen: 70.660 ng
RT: 9.175 min Scan# 1174
Delta R.T. -0.000 min
Lab File: BF128734.D
Acq: 08 Jun 2022 14:31

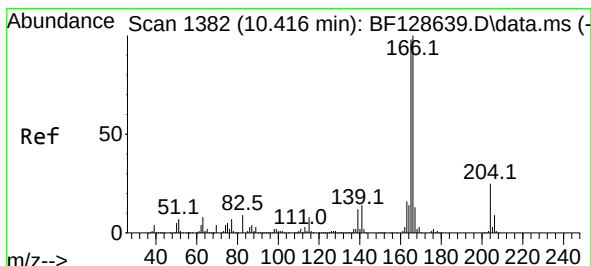
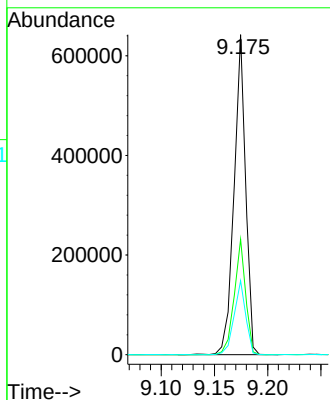
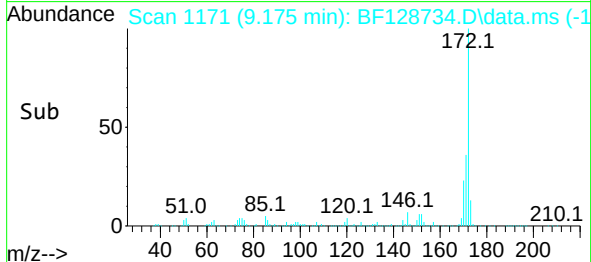
Instrument :
BNA_F
ClientSampleId :
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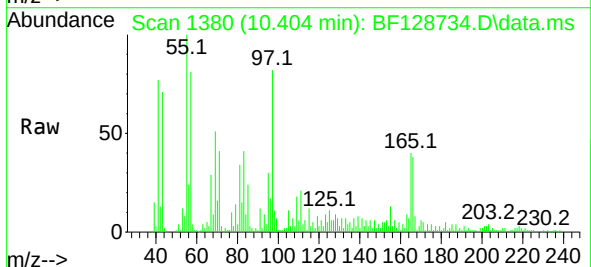
Tgt Ion:172 Resp: 48852
Ion Ratio Lower Upper
172 100
171 36.1 28.8 43.2
170 23.1 19.8 29.8

Manual Integrations
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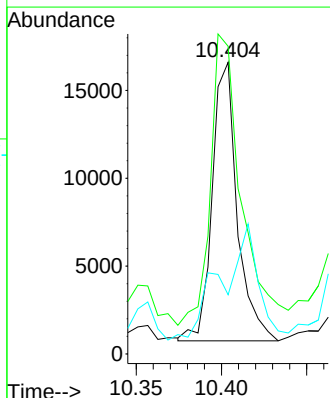
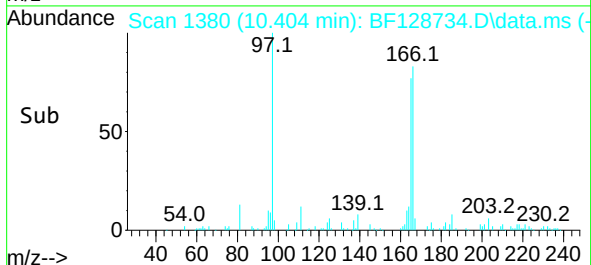
Reviewed By :Christian Giraldo 06/09/2022
Supervised By :Jagrut Upadhyay 06/09/2022

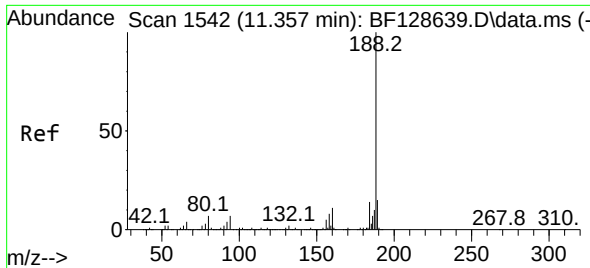


#58
Fluorene
Concen: 2.630 ng
RT: 10.404 min Scan# 1380
Delta R.T. -0.000 min
Lab File: BF128734.D
Acq: 08 Jun 2022 14:31



Tgt Ion:166 Resp: 16203
Ion Ratio Lower Upper
166 100
165 105.5 78.1 117.1
167 20.3 10.5 15.7





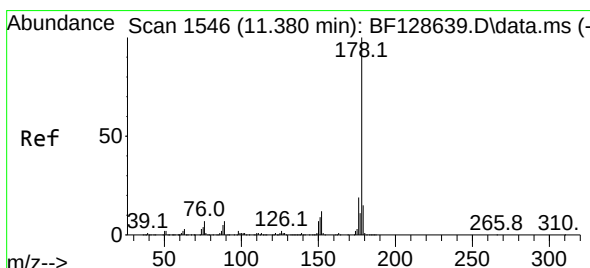
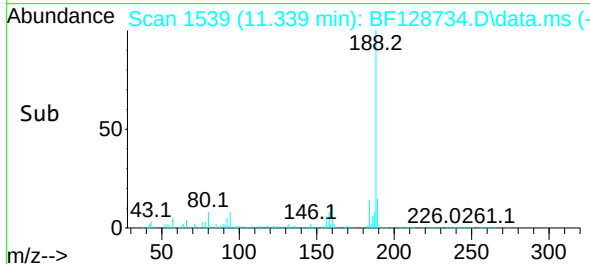
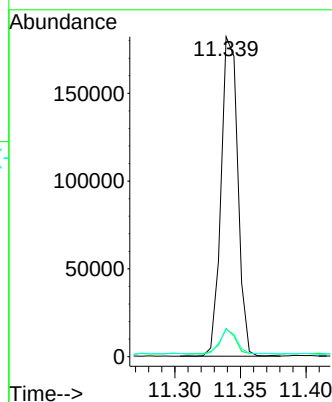
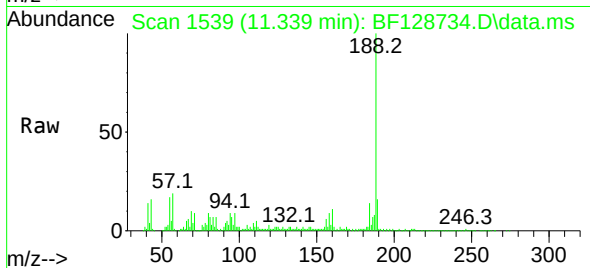
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF128734.D
Acq: 08 Jun 2022 14:31

Instrument :
BNA_F
ClientSampleId :
WC-14B-10-GRRE

Tgt Ion:188 Resp: 16152
Ion Ratio Lower Upper
188 100
94 8.8 7.0 10.6
80 8.5 7.6 11.4

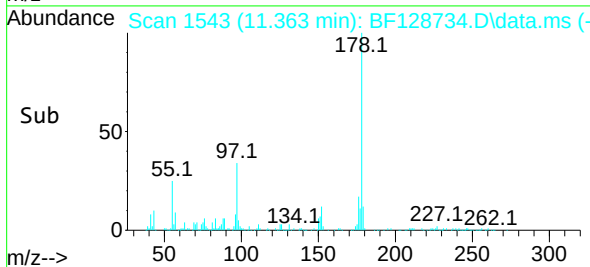
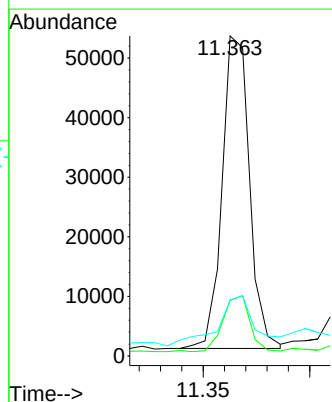
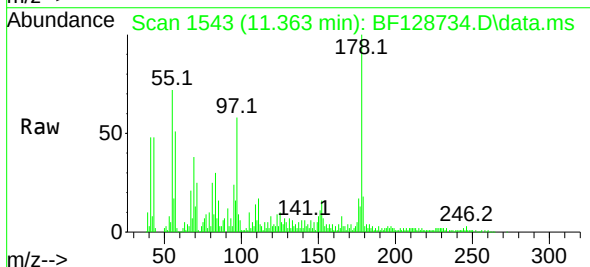
Manual Integrations
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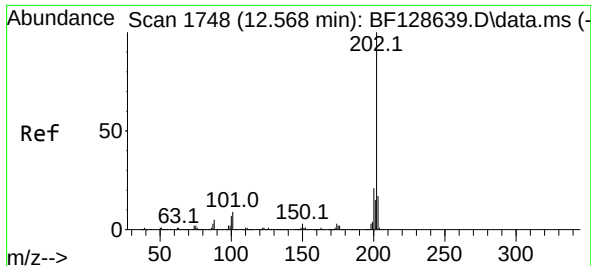
Reviewed By :Christian Giraldo 06/09/2022
Supervised By :Jagrut Upadhyay 06/09/2022



#71
Phenanthrene
Concen: 5.776 ng
RT: 11.363 min Scan# 1543
Delta R.T. -0.006 min
Lab File: BF128734.D
Acq: 08 Jun 2022 14:31

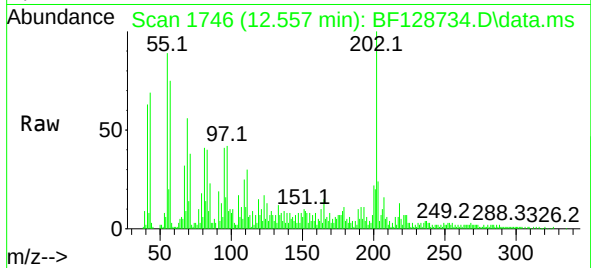
Tgt Ion:178 Resp: 46797
Ion Ratio Lower Upper
178 100
176 17.4 16.0 24.0
179 17.5 12.6 19.0





#75
Fluoranthene
Concen: 3.669 ng
RT: 12.557 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF128734.D
Acq: 08 Jun 2022 14:31

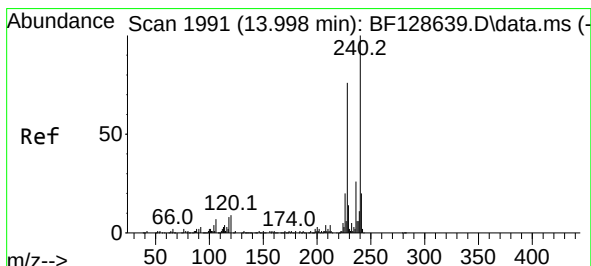
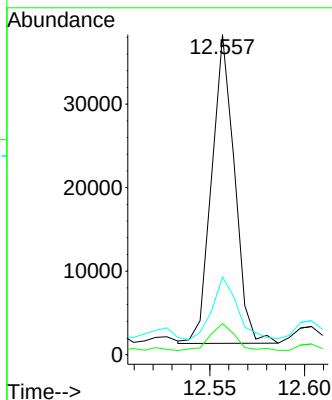
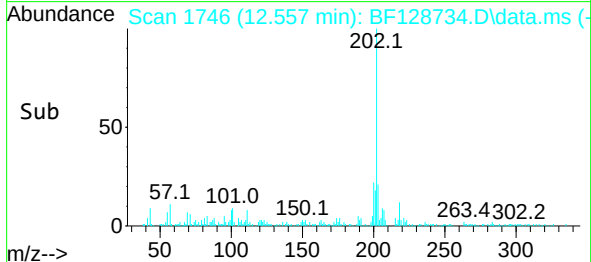
Instrument :
BNA_F
ClientSampleId :
WC-14B-10-GRRE



Tgt Ion:202 Resp: 31068
Ion Ratio Lower Upper
202 100
101 9.7 0.0 31.4
203 24.3 0.0 38.0

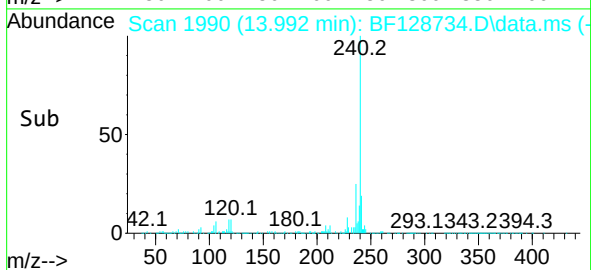
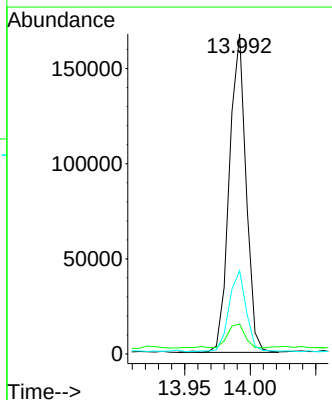
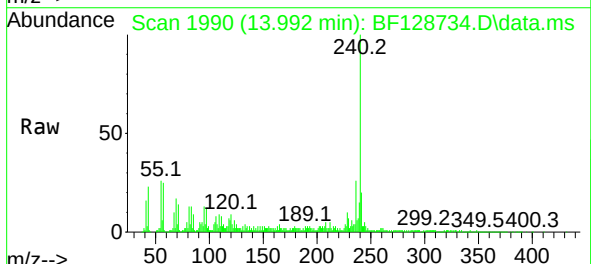
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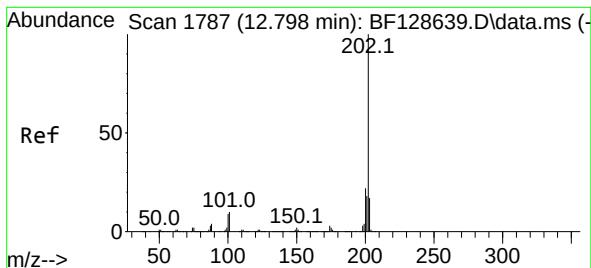
Reviewed By :Christian Giraldo 06/09/2022
Supervised By :Jagrut Upadhyay 06/09/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.992 min Scan# 1990
Delta R.T. 0.006 min
Lab File: BF128734.D
Acq: 08 Jun 2022 14:31

Tgt Ion:240 Resp: 148268
Ion Ratio Lower Upper
240 100
120 9.3 8.9 13.3
236 26.0 20.8 31.2





#78

Pyrene

Concen: 7.091 ng

RT: 12.786 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF128734.D

Acq: 08 Jun 2022 14:31

Instrument :

BNA_F

ClientSampleId :

WC-14B-10-GRRE

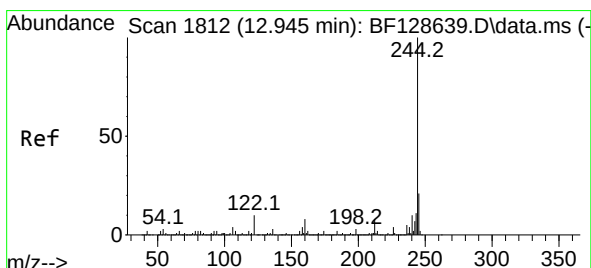
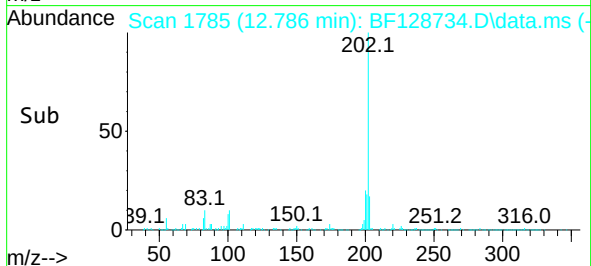
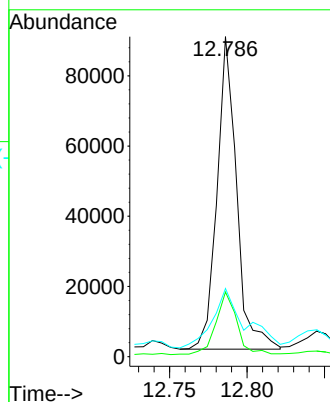
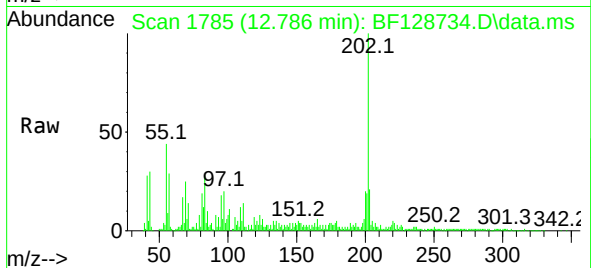
Tgt Ion:	202	Resp:	78210
Ion Ratio	Lower	Upper	
202	100		
200	20.2	17.7	26.5
203	21.3	14.6	21.8

Manual Integrations

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Reviewed By :Christian Giraldo 06/09/2022

Supervised By :Jagrut Upadhyay 06/09/2022



#79

Terphenyl-d14

Concen: 59.982 ng

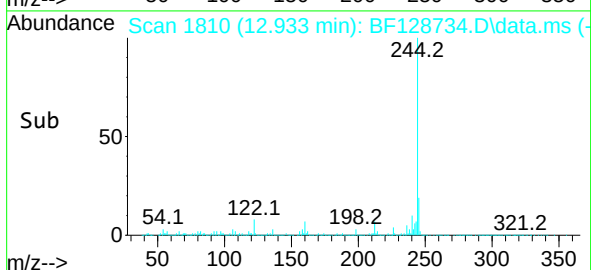
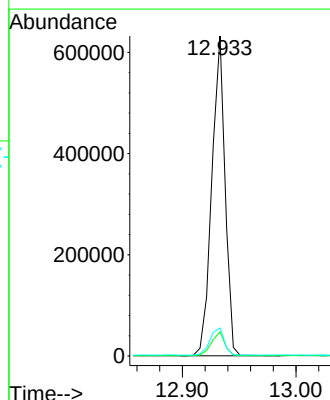
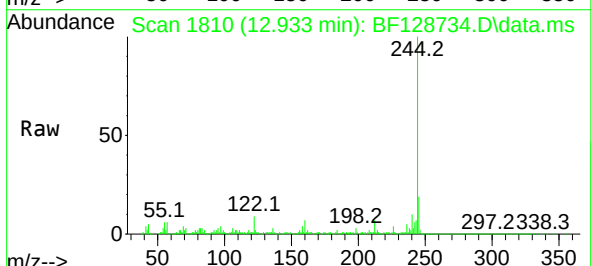
RT: 12.933 min Scan# 1810

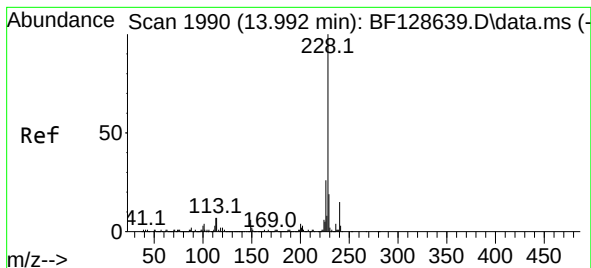
Delta R.T. -0.000 min

Lab File: BF128734.D

Acq: 08 Jun 2022 14:31

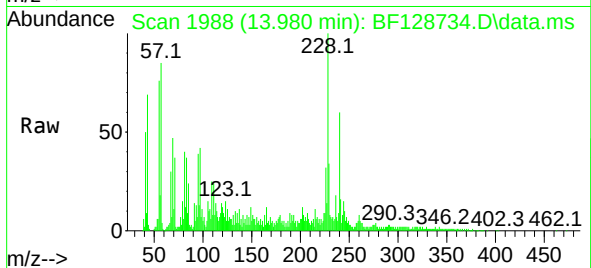
Tgt Ion:	244	Resp:	511807
Ion Ratio	Lower	Upper	
244	100		
212	7.5	6.1	9.1
122	8.7	8.8	13.2





#81
Benzo(a)anthracene
Concen: 6.131 ng
RT: 13.980 min Scan# 1988
Delta R.T. 0.006 min
Lab File: BF128734.D
Acq: 08 Jun 2022 14:31

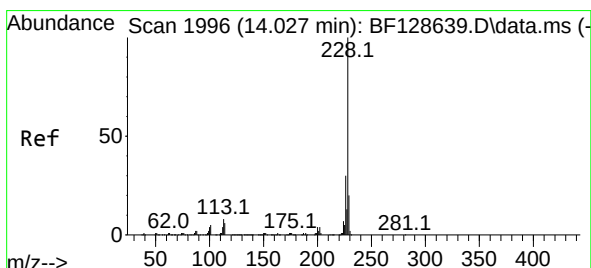
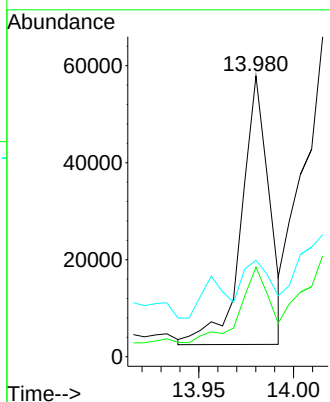
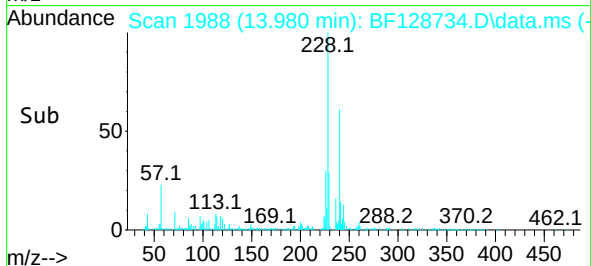
Instrument :
BNA_F
ClientSampleId :
WC-14B-10-GRRE



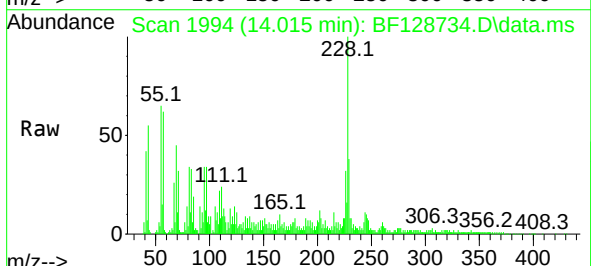
Tgt Ion:228 Resp: 5666
Ion Ratio Lower Upper
228 100
226 31.9 22.1 33.1
229 34.3 15.8 23.8

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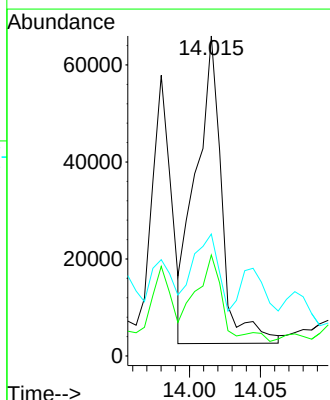
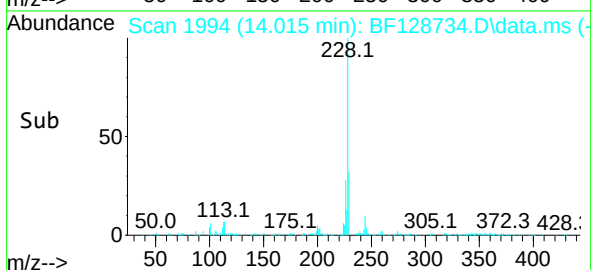
Reviewed By :Christian Giraldo 06/09/2022
Supervised By :Jagrut Upadhyay 06/09/2022

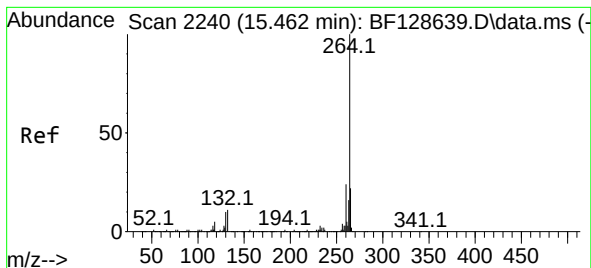


#83
Chrysene
Concen: 9.187 ng
RT: 14.015 min Scan# 1994
Delta R.T. -0.000 min
Lab File: BF128734.D
Acq: 08 Jun 2022 14:31



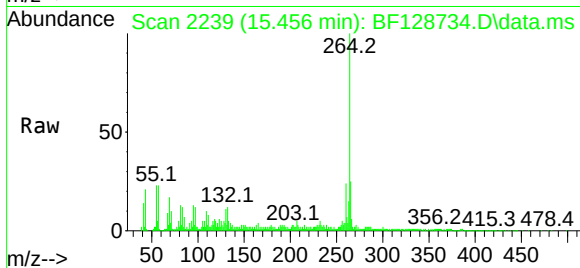
Tgt Ion:228 Resp: 80951
Ion Ratio Lower Upper
228 100
226 31.6 24.3 36.5
229 38.1 15.9 23.9





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.456 min Scan# 211
 Delta R.T. 0.011 min
 Lab File: BF128734.D
 Acq: 08 Jun 2022 14:31

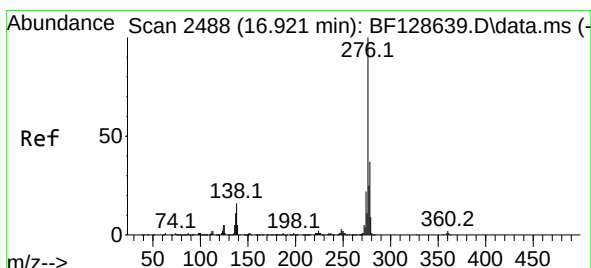
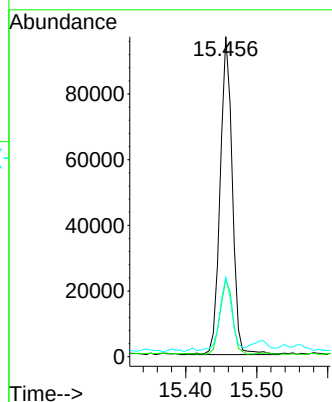
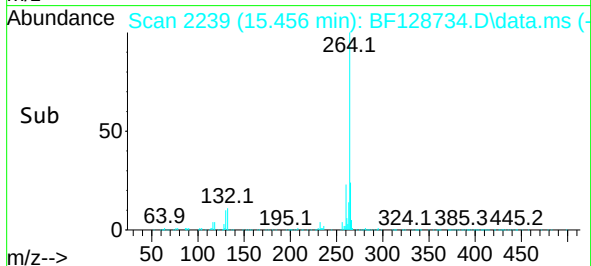
Instrument :
 BNA_F
 ClientSampleId :
 WC-14B-10-GRRE



Tgt Ion:264 Resp: 11438
 Ion Ratio Lower Upper
 264 100
 260 24.2 18.4 27.6
 265 24.8 17.2 25.8

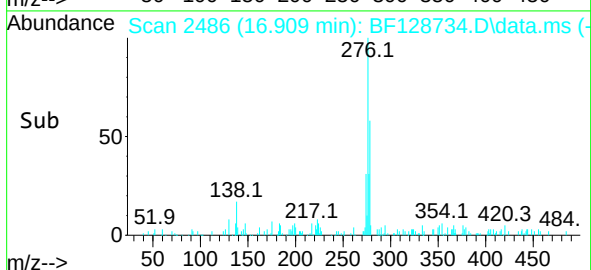
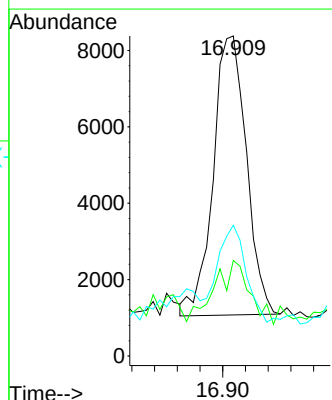
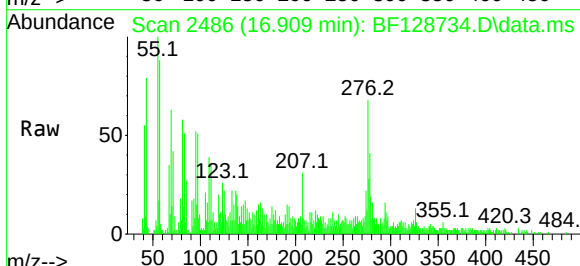
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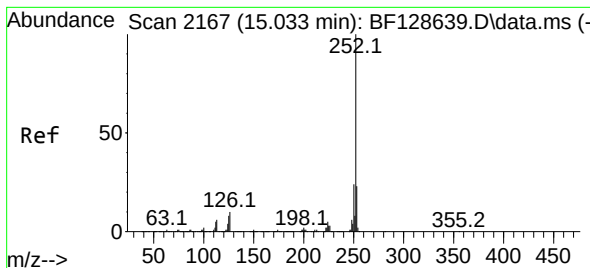
Reviewed By :Christian Giraldo 06/09/2022
 Supervised By :Jagrut Upadhyay 06/09/2022



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.153 ng
 RT: 16.909 min Scan# 2486
 Delta R.T. 0.011 min
 Lab File: BF128734.D
 Acq: 08 Jun 2022 14:31

Tgt Ion:276 Resp: 14841
 Ion Ratio Lower Upper
 276 100
 138 24.5 21.1 31.7
 277 28.4 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 3.993 ng m

RT: 15.027 min Scan# 2166

Delta R.T. 0.006 min

Lab File: BF128734.D

Acq: 08 Jun 2022 14:31

Instrument :

BNF

ClientSampleId :

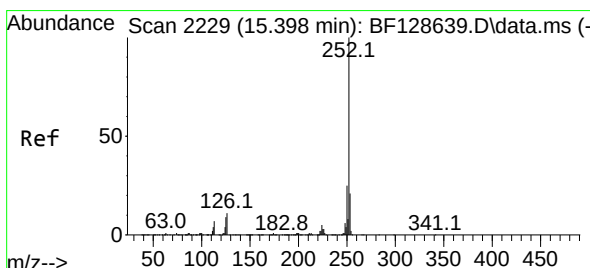
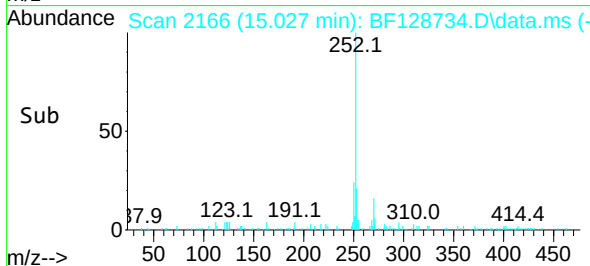
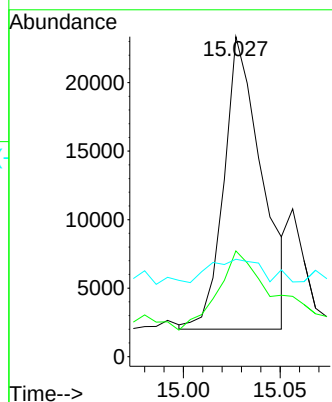
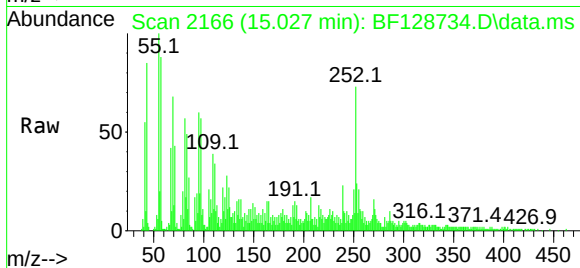
WC-14B-10-GRRE

Tgt Ion:	252	Resp:	2918
Ion Ratio	Lower	Upper	
252	100		
253	33.1	17.7	26.5
125	30.5	8.0	12.0

Manual Integrations

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Reviewed By :Christian Giraldo 06/09/2022
Supervised By :Jagrut Upadhyay 06/09/2022



#90

Benzo(a)pyrene

Concen: 5.943 ng

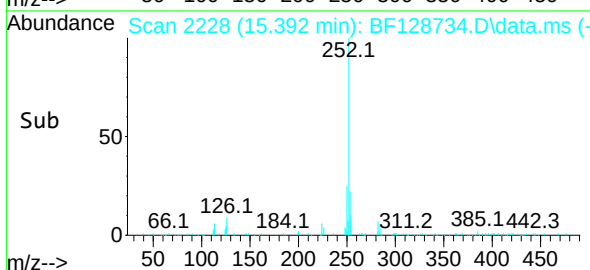
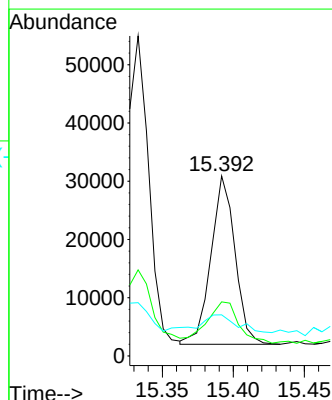
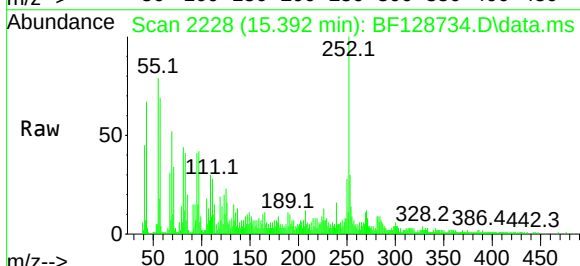
RT: 15.392 min Scan# 2228

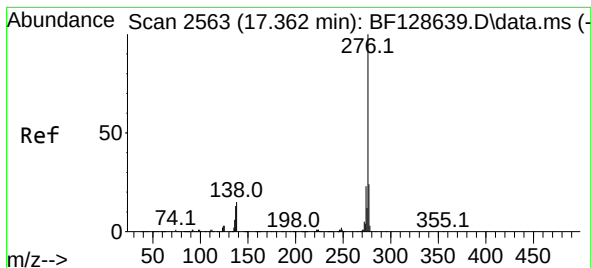
Delta R.T. 0.006 min

Lab File: BF128734.D

Acq: 08 Jun 2022 14:31

Tgt Ion:	252	Resp:	34142
Ion Ratio	Lower	Upper	
252	100		
253	30.1	17.0	25.6
125	22.8	8.8	13.2





#92

Benzo(g,h,i)perylene

Concen: 6.139 ng

RT: 17.350 min Scan# 21

Delta R.T. 0.011 min

Lab File: BF128734.D

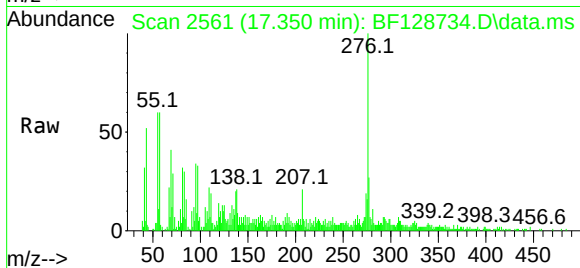
Acq: 08 Jun 2022 14:31

Instrument :

BNA_F

ClientSampleId :

WC-14B-10-GRRE



Tgt Ion:276 Resp: 3479

Ion Ratio Lower Upper

276 100

277 27.1 19.1 28.7

138 21.5 18.0 27.0

Manual Integrations

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Reviewed By :Christian Giraldo 06/09/2022

Supervised By :Jagrut Upadhyay 06/09/2022

