

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081722\
 Data File : BF129866.D
 Acq On : 18 Aug 2022 03:04
 Operator : CG\JU
 Sample : N4191-06DL 10X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RO-211DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 08/18/2022
 Supervised By : Jagrut Upadhyay 08/18/2022

Quant Time: Aug 18 05:44:01 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 18 05:28:24 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.810	152	146172	20.000	ng	0.00
21) Naphthalene-d8	8.092	136	516523	20.000	ng	0.00
39) Acenaphthene-d10	9.851	164	209533	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	299943	20.000	ng	0.00
76) Chrysene-d12	13.992	240	305828	20.000	ng	0.00
86) Perylene-d12	15.457	264	248699	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	103675	11.743	ng	0.00
7) Phenol-d6	6.469	99	126685	11.459	ng	0.00
23) Nitrobenzene-d5	7.375	82	74359	7.706	ng	-0.01
42) 2,4,6-Tribromophenol	10.645	330	18427	8.762	ng	0.00
45) 2-Fluorobiphenyl	9.163	172	128642	9.325	ng	0.00
79) Terphenyl-d14	12.921	244	112887	6.142	ng	0.00
Target Compounds						
						Qvalue
70) Pentachlorophenol	11.163	266	4049m	8.501	ng	
71) Phenanthrene	11.363	178	186785	11.150	ng	99
72) Anthracene	11.416	178	106918	6.418	ng	98
73) Carbazole	11.574	167	56050	3.706	ng	98
75) Fluoranthene	12.557	202	608607	35.504	ng	99
78) Pyrene	12.786	202	564607	21.245	ng	99
81) Benzo(a)anthracene	13.980	228	262347	12.470	ng	96
83) Chrysene	14.015	228	655200	33.270	ng	99
87) Indeno(1,2,3-cd)pyrene	16.927	276	88555	5.187	ng	97
88) Benzo(b)fluoranthene	15.033	252	554501m	32.561	ng	
89) Benzo(k)fluoranthene	15.057	252	115098m	7.048	ng	
90) Benzo(a)pyrene	15.398	252	135809	10.127	ng	98
92) Benzo(g,h,i)perylene	17.380	276	73529	5.232	ng	95

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

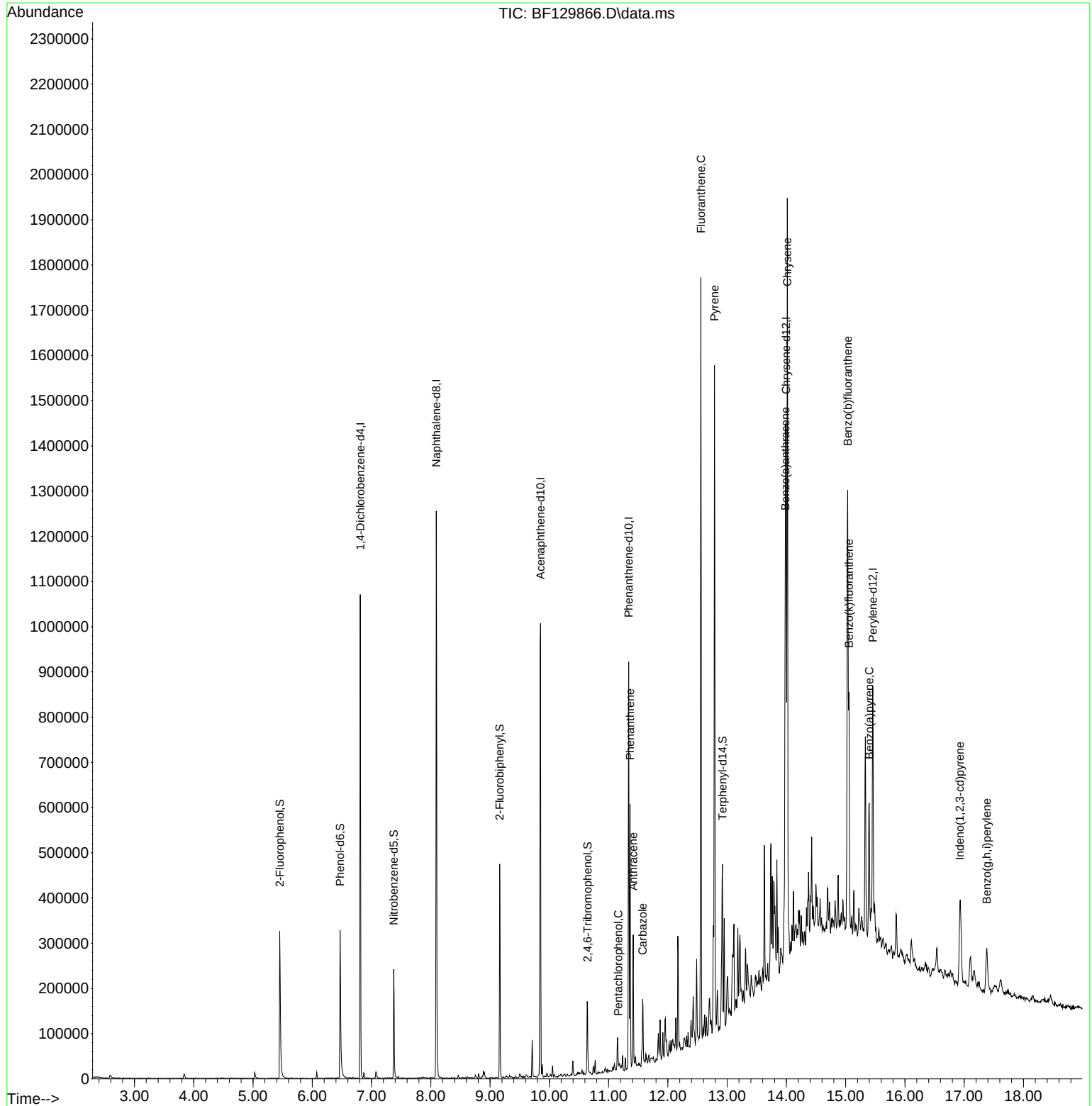
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081722\
Data File : BF129866.D
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ALS Vial : 22 Sample Multiplier: 1

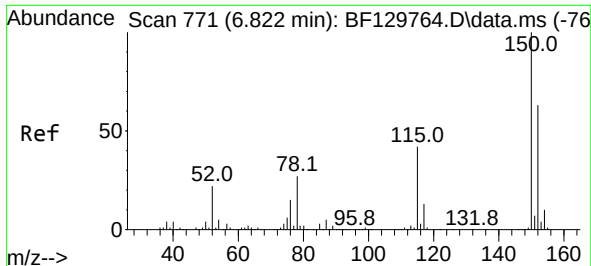
Instrument :
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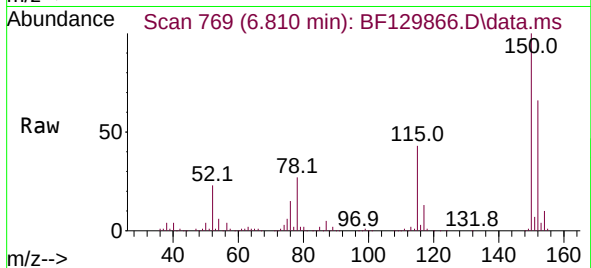
Quant Time: Aug 18 05:44:01 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 18 05:28:24 2022
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.810 min Scan# 70
Delta R.T. 0.000 min
Lab File: BF129866.D
Acq: 18 Aug 2022 03:04

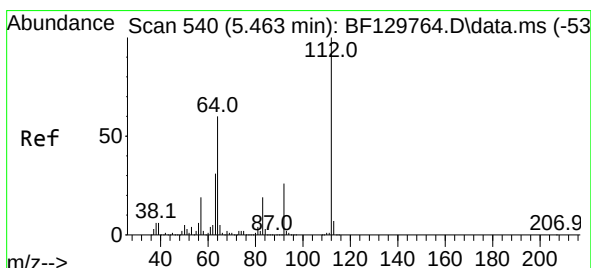
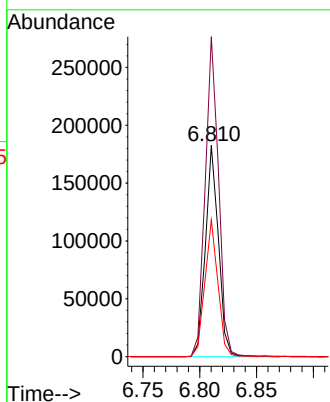
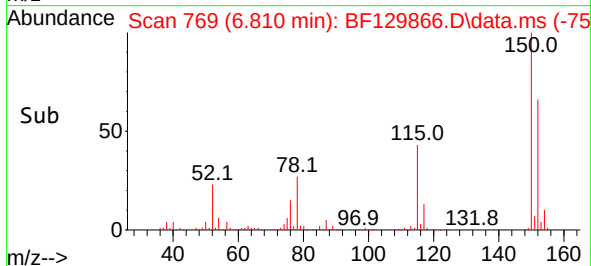
Instrument :
BNA_F
ClientSampleId :
RO-211DL



Tgt Ion:152 Resp: 146172
Ion Ratio Lower Upper
152 100
150 151.4 126.9 190.3
115 64.7 53.4 80.0

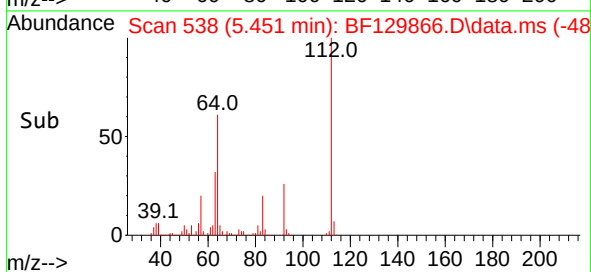
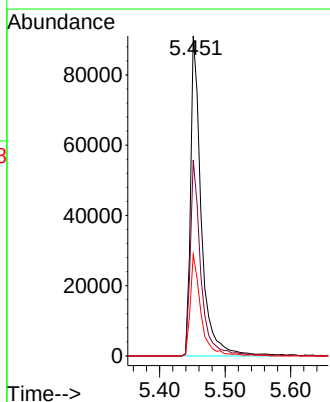
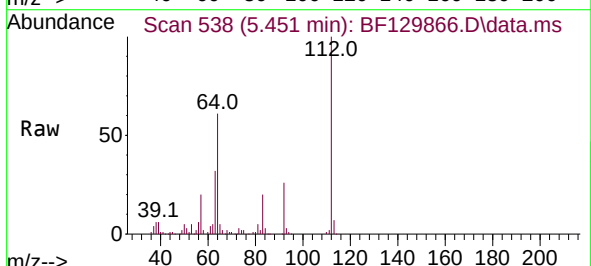
Manual Integrations
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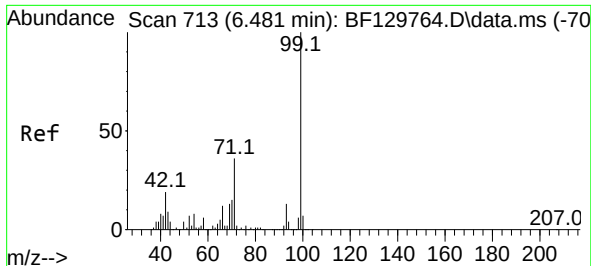
Reviewed By :Christian Giraldo 08/18/2022
Supervised By :Jagrut Upadhyay 08/18/2022



#5
2-Fluorophenol
Concen: 11.743 ng
RT: 5.451 min Scan# 538
Delta R.T. -0.000 min
Lab File: BF129866.D
Acq: 18 Aug 2022 03:04

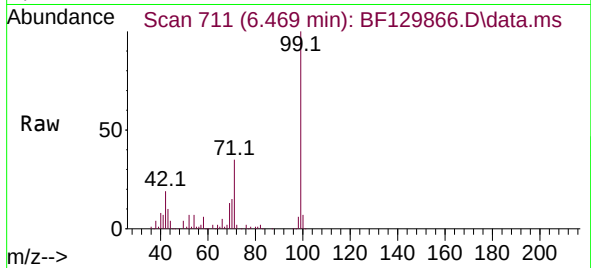
Tgt Ion:112 Resp: 103675
Ion Ratio Lower Upper
112 100
64 61.2 47.6 71.4
63 31.6 24.6 37.0





#7
Phenol-d6
Concen: 11.459 ng
RT: 6.469 min Scan# 713
Delta R.T. -0.000 min
Lab File: BF129866.D
Acq: 18 Aug 2022 03:04

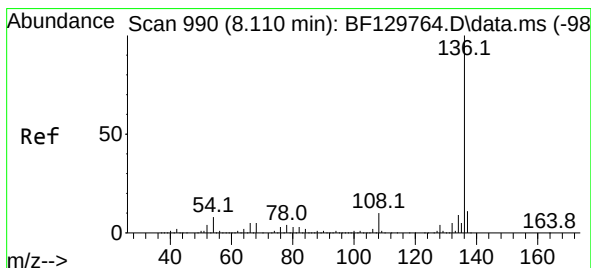
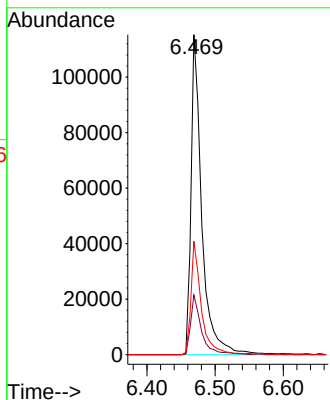
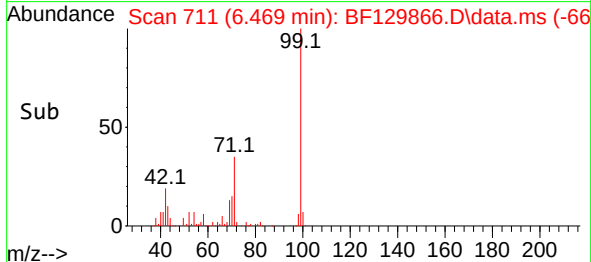
Instrument :
BNA_F
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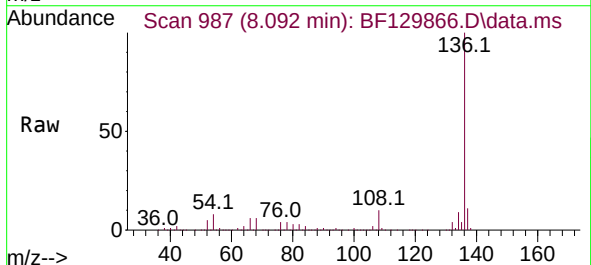
Tgt Ion: 99 Resp: 126685
Ion Ratio Lower Upper
99 100
42 18.6 15.0 22.4
71 35.4 28.8 43.2

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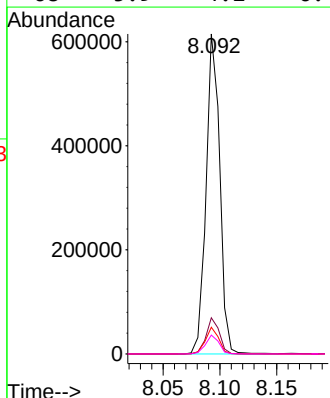
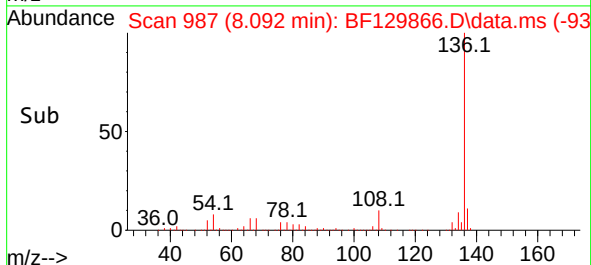
Reviewed By :Christian Giraldo 08/18/2022
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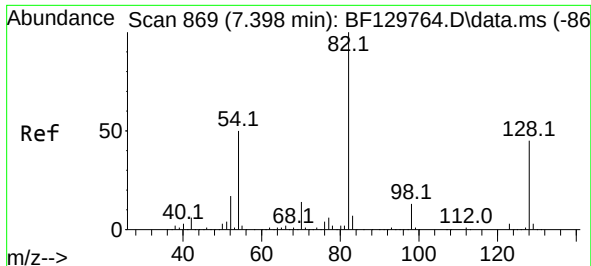


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.092 min Scan# 987
Delta R.T. -0.006 min
Lab File: BF129866.D
Acq: 18 Aug 2022 03:04



Tgt Ion:136 Resp: 516523
Ion Ratio Lower Upper
136 100
137 11.3 8.4 12.6
54 8.3 6.2 9.2
68 5.9 4.2 6.4





#23

Nitrobenzene-d5

Concen: 7.706 ng

RT: 7.375 min Scan# 80

Delta R.T. -0.012 min

Lab File: BF129866.D

Acq: 18 Aug 2022 03:04

Instrument :

BNA_F

ClientSampleId :

RO-211DL

Tgt Ion: 82 Resp: 74359

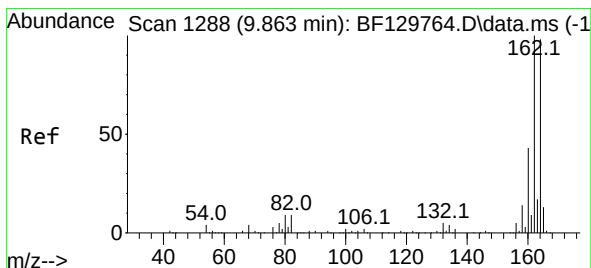
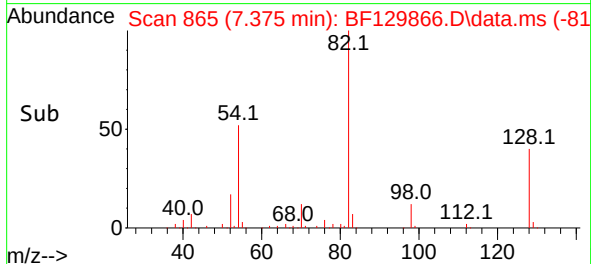
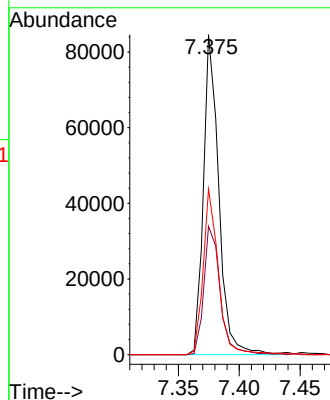
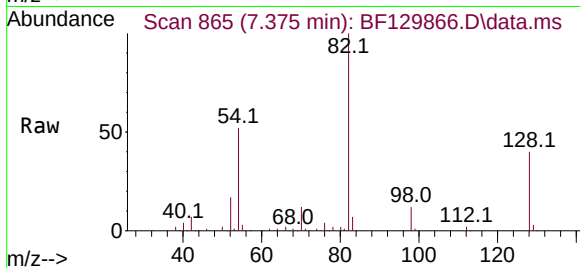
Ion	Ratio	Lower	Upper
82	100		
128	40.1	36.1	54.1
54	51.7	40.0	60.0

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.851 min Scan# 1286

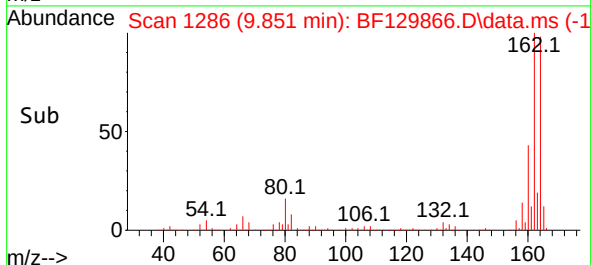
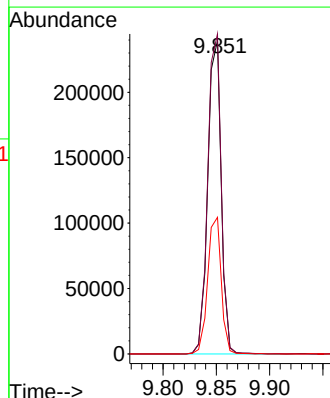
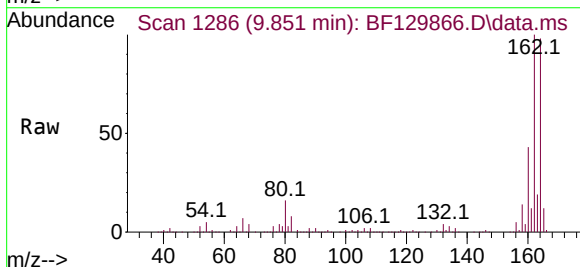
Delta R.T. -0.000 min

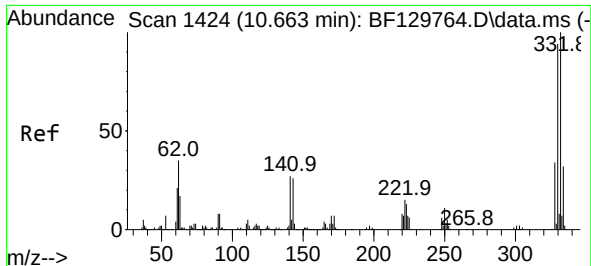
Lab File: BF129866.D

Acq: 18 Aug 2022 03:04

Tgt Ion:164 Resp: 209533

Ion	Ratio	Lower	Upper
164	100		
162	102.1	82.0	123.0
160	43.6	35.4	53.0





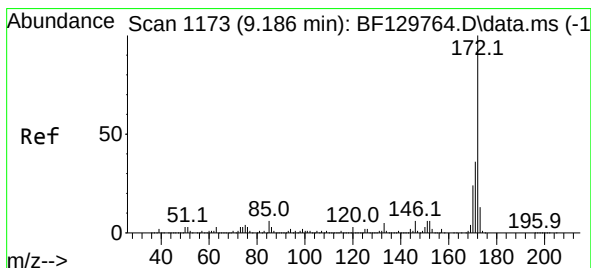
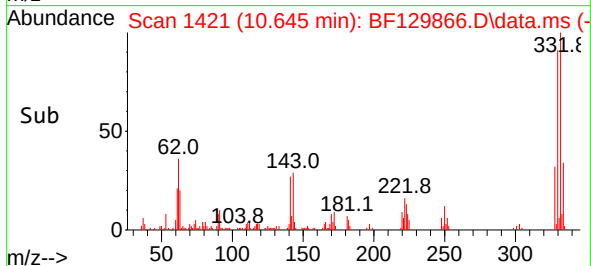
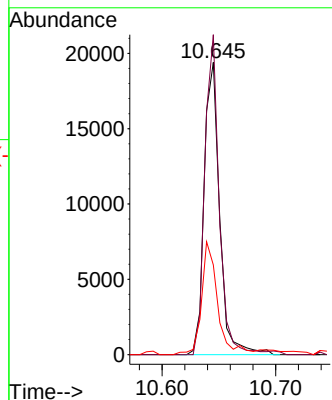
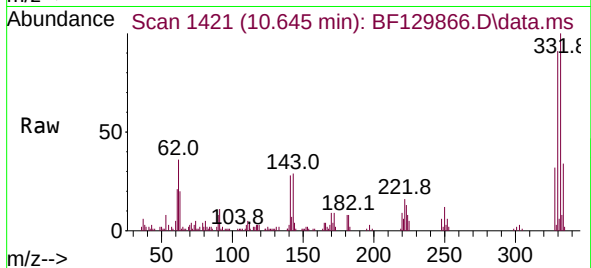
#42
2,4,6-Tribromophenol
Concen: 8.762 ng
RT: 10.645 min Scan# 1424
Delta R.T. -0.000 min
Lab File: BF129866.D
Acq: 18 Aug 2022 03:04

Instrument :
BNA_F
ClientSampleId :
RO-211DL

Tgt Ion: 330 Resp: 18427
Ion Ratio Lower Upper
330 100
332 102.4 82.6 124.0
141 39.8 27.6 41.4

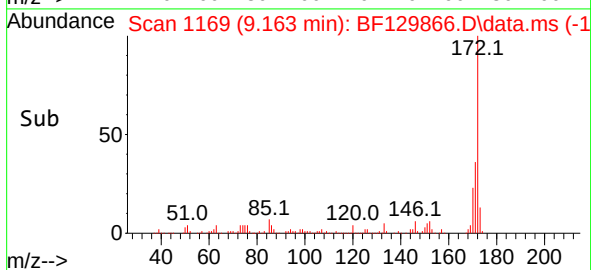
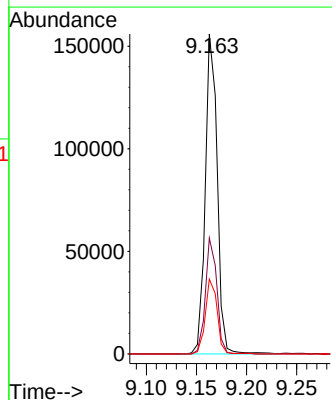
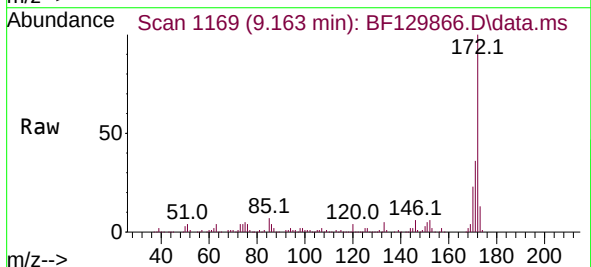
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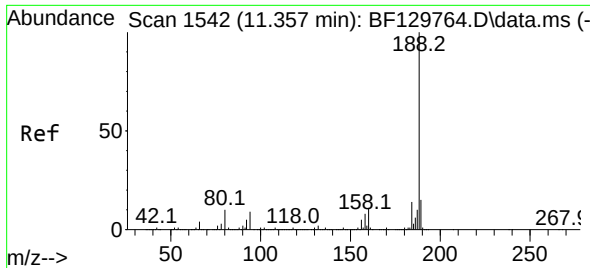
Reviewed By : Christian Giraldo 08/18/2022
Supervised By : Jagrut Upadhyay 08/18/2022



#45
2-Fluorobiphenyl
Concen: 9.325 ng
RT: 9.163 min Scan# 1169
Delta R.T. -0.006 min
Lab File: BF129866.D
Acq: 18 Aug 2022 03:04

Tgt Ion: 172 Resp: 128642
Ion Ratio Lower Upper
172 100
171 36.2 28.4 42.6
170 23.4 19.1 28.7





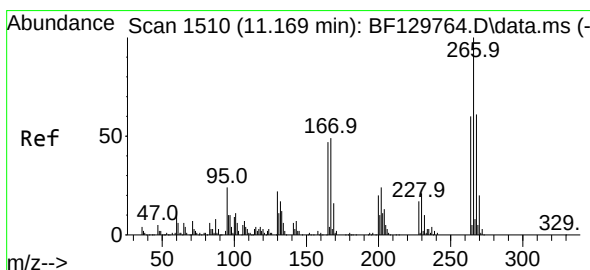
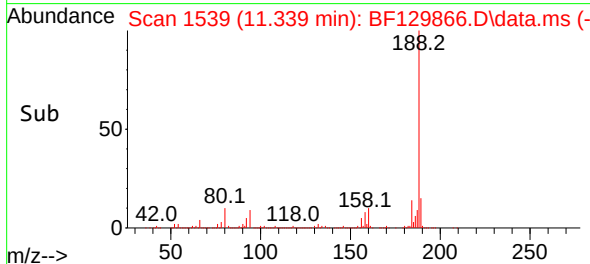
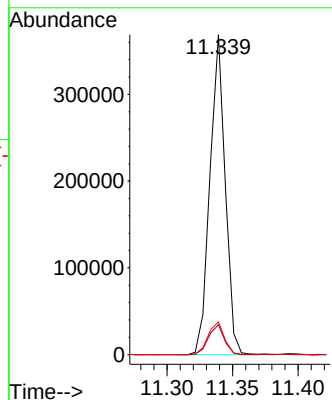
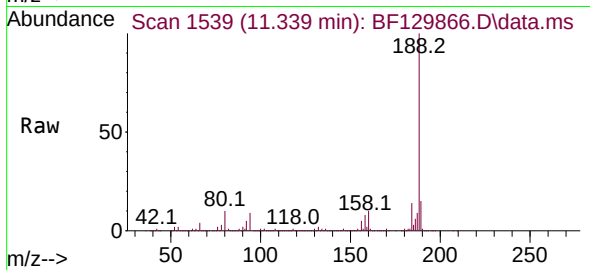
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF129866.D
Acq: 18 Aug 2022 03:04

Instrument :
BNA_F
ClientSampleId :
RO-211DL

Tgt Ion:188 Resp: 29994
Ion Ratio Lower Upper
188 100
94 9.3 7.4 11.2
80 10.2 7.9 11.9

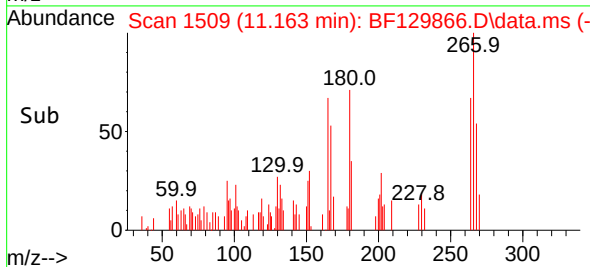
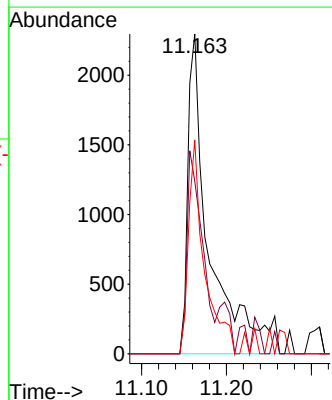
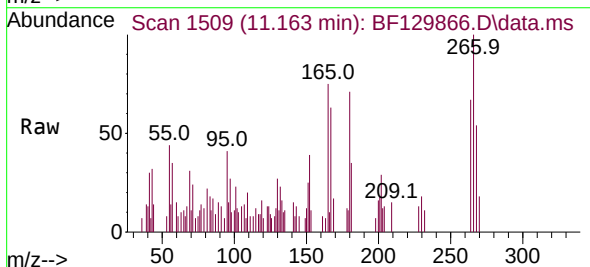
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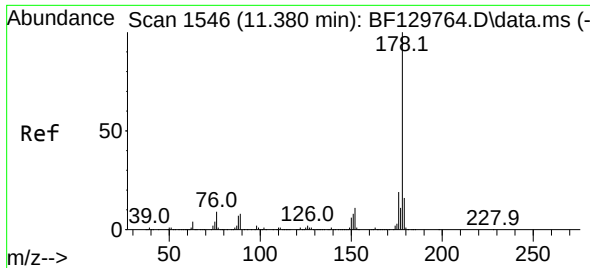
Reviewed By :Christian Giraldo 08/18/2022
Supervised By :Jagrut Upadhyay 08/18/2022



#70
Pentachlorophenol
Concen: 8.501 ng m
RT: 11.163 min Scan# 1509
Delta R.T. 0.006 min
Lab File: BF129866.D
Acq: 18 Aug 2022 03:04

Tgt Ion:266 Resp: 4049
Ion Ratio Lower Upper
266 100
268 54.0 49.0 73.4
264 66.9 47.9 71.9





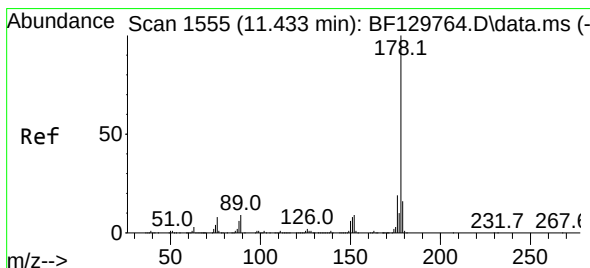
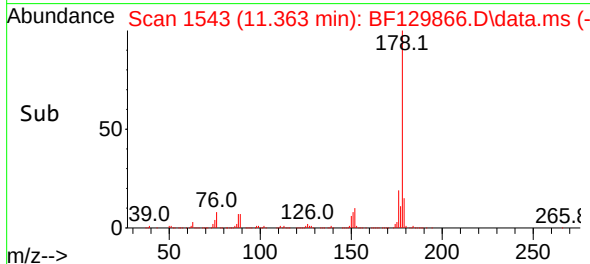
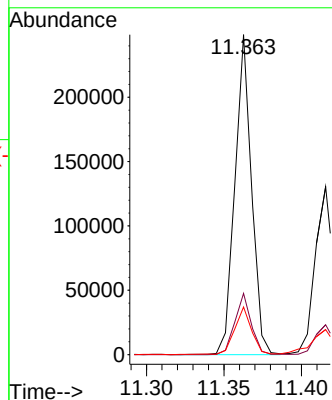
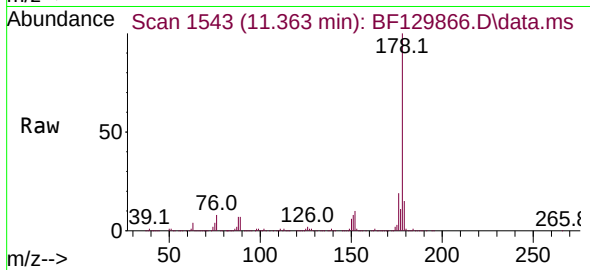
#71
Phenanthrene
Concen: 11.150 ng
RT: 11.363 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129866.D
Acq: 18 Aug 2022 03:04

Instrument :
BNA_F
ClientSampleId :
RO-211DL

Tgt Ion:178 Resp: 186785
Ion Ratio Lower Upper
178 100
176 19.1 15.5 23.3
179 14.9 12.5 18.7

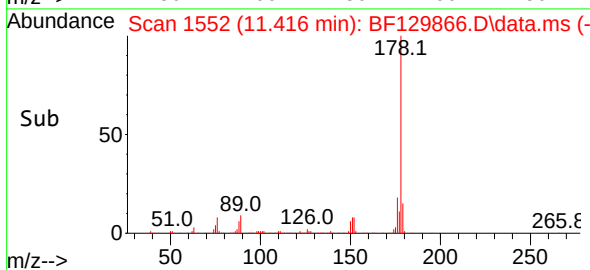
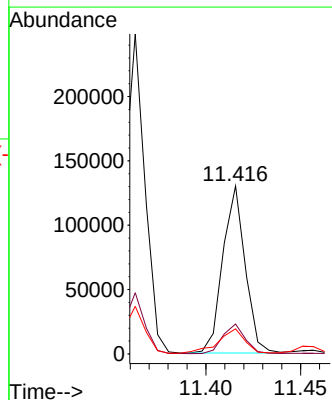
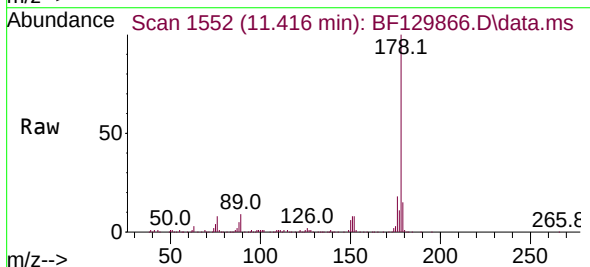
Manual Integrations
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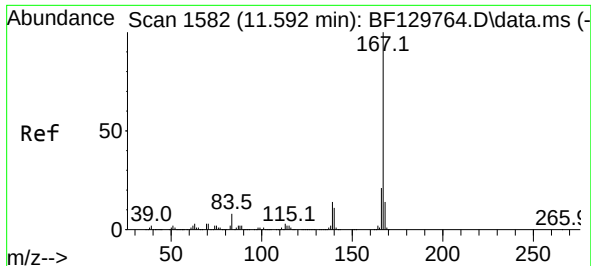
Reviewed By :Christian Giraldo 08/18/2022
Supervised By :Jagrut Upadhyay 08/18/2022



#72
Anthracene
Concen: 6.418 ng
RT: 11.416 min Scan# 1552
Delta R.T. -0.006 min
Lab File: BF129866.D
Acq: 18 Aug 2022 03:04

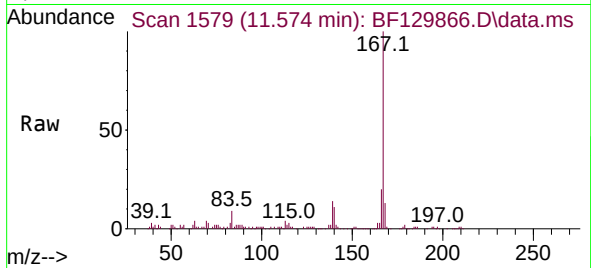
Tgt Ion:178 Resp: 106918
Ion Ratio Lower Upper
178 100
176 17.8 15.1 22.7
179 15.0 12.6 18.8





#73
 Carbazole
 Concen: 3.706 ng
 RT: 11.574 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF129866.D
 Acq: 18 Aug 2022 03:04

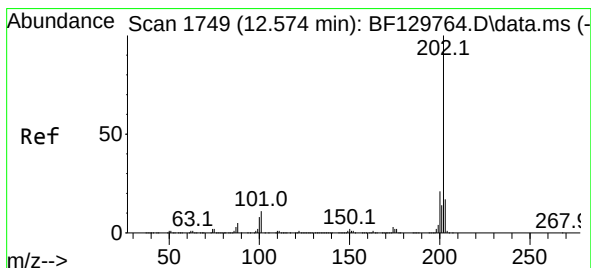
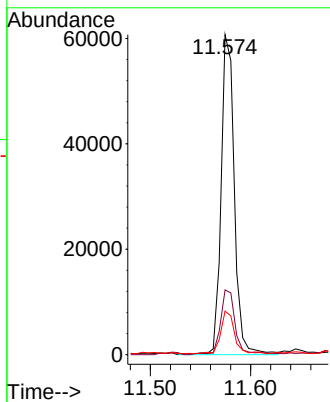
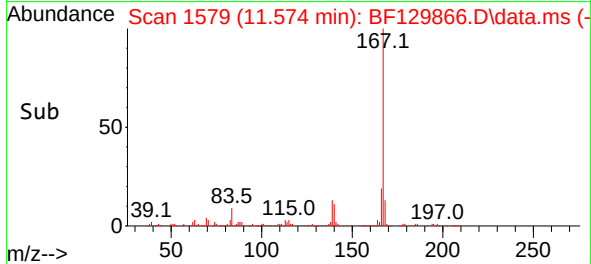
Instrument :
 BNA_F
 ClientSampleId :
 RO-211DL



Tgt Ion:167 Resp: 56050
 Ion Ratio Lower Upper
 167 100
 166 20.2 17.1 25.7
 139 13.6 11.0 16.6

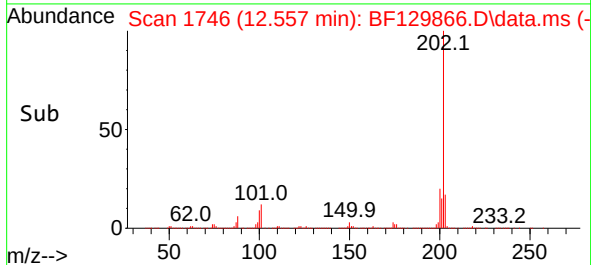
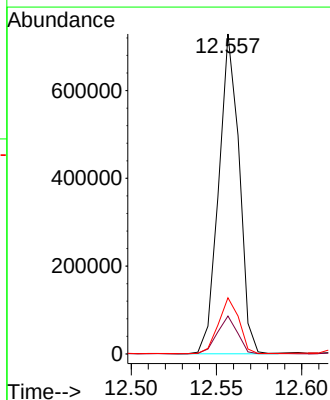
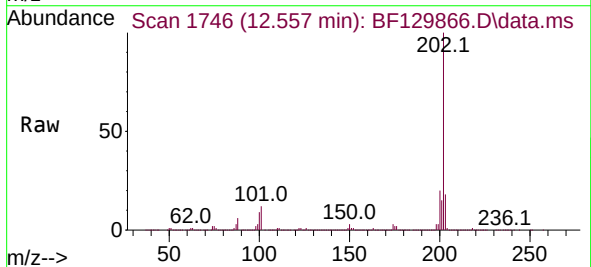
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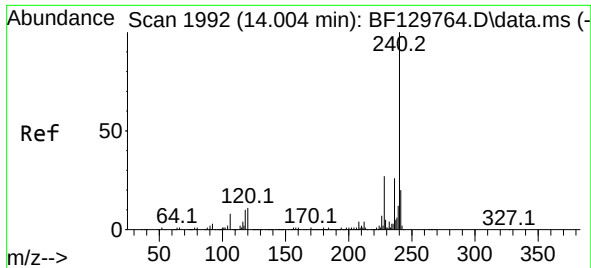
Reviewed By :Christian Giraldo 08/18/2022
 Supervised By :Jagrut Upadhyay 08/18/2022



#75
 Fluoranthene
 Concen: 35.504 ng
 RT: 12.557 min Scan# 1746
 Delta R.T. -0.000 min
 Lab File: BF129866.D
 Acq: 18 Aug 2022 03:04

Tgt Ion:202 Resp: 608607
 Ion Ratio Lower Upper
 202 100
 101 11.8 0.0 30.7
 203 17.5 0.0 37.5





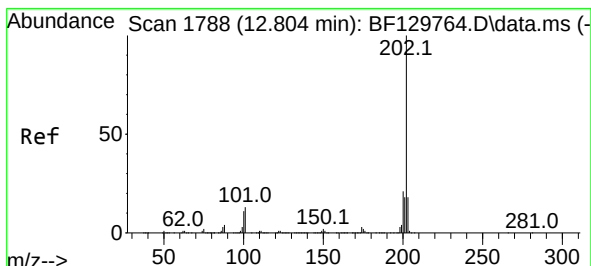
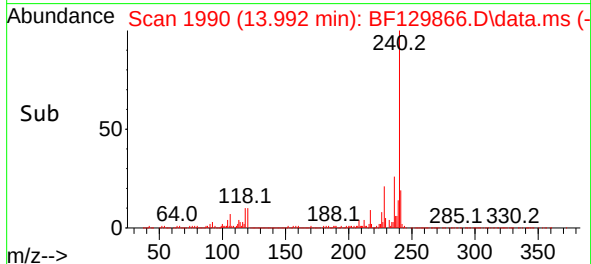
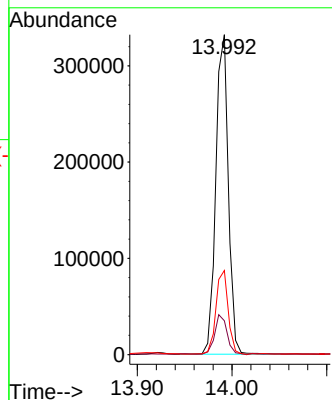
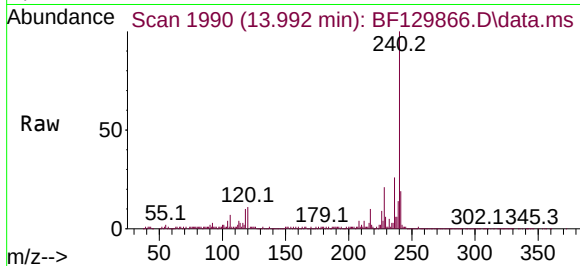
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.992 min Scan# 1992
Delta R.T. -0.000 min
Lab File: BF129866.D
Acq: 18 Aug 2022 03:04

Instrument :
BNA_F
ClientSampleId :
RO-211DL

Tgt Ion:240 Resp: 305828
Ion Ratio Lower Upper
240 100
120 10.6 9.2 13.8
236 26.3 20.7 31.1

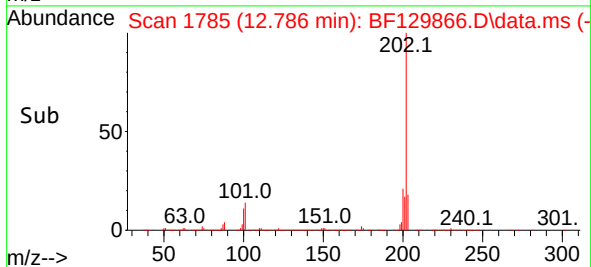
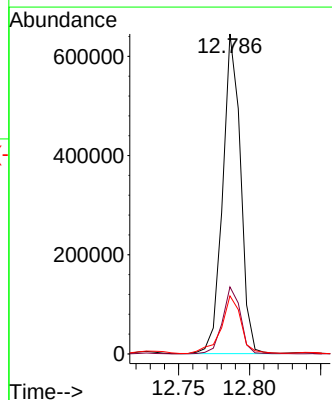
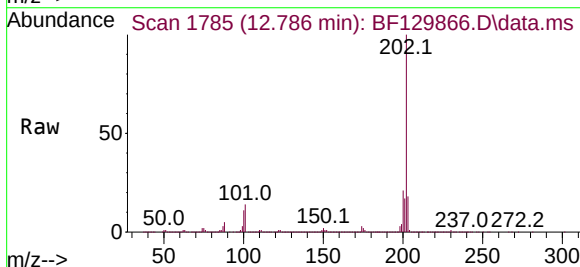
Manual Integrations
APPROVED

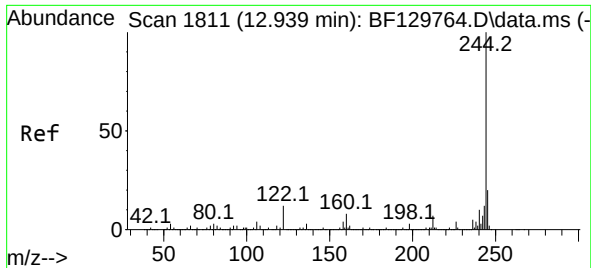
Reviewed By :Christian Giraldo 08/18/2022
Supervised By :Jagrut Upadhyay 08/18/2022



#78
Pyrene
Concen: 21.245 ng
RT: 12.786 min Scan# 1785
Delta R.T. -0.006 min
Lab File: BF129866.D
Acq: 18 Aug 2022 03:04

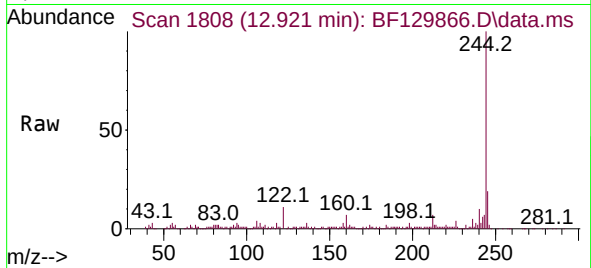
Tgt Ion:202 Resp: 564607
Ion Ratio Lower Upper
202 100
200 21.0 17.0 25.6
203 18.1 14.1 21.1





#79
Terphenyl-d14
Concen: 6.142 ng
RT: 12.921 min Scan# 1811
Delta R.T. -0.006 min
Lab File: BF129866.D
Acq: 18 Aug 2022 03:04

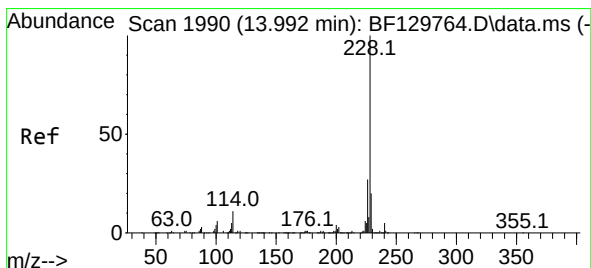
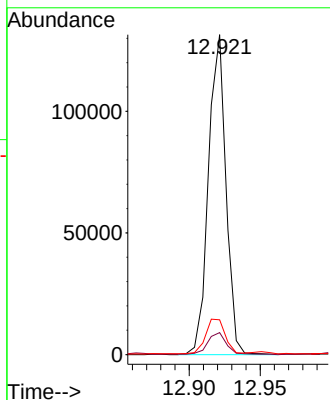
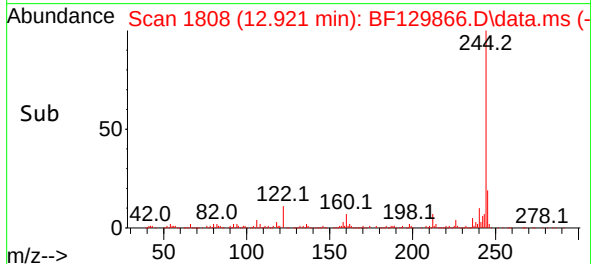
Instrument :
BNA_F
ClientSampleId :
RO-211DL



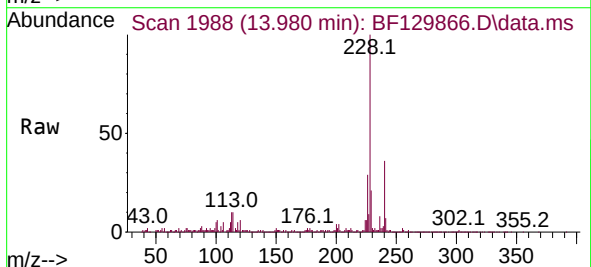
Tgt Ion:244 Resp: 112887
Ion Ratio Lower Upper
244 100
212 6.9 5.9 8.9
122 10.9 9.9 14.9

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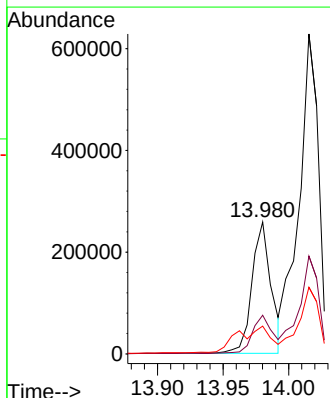
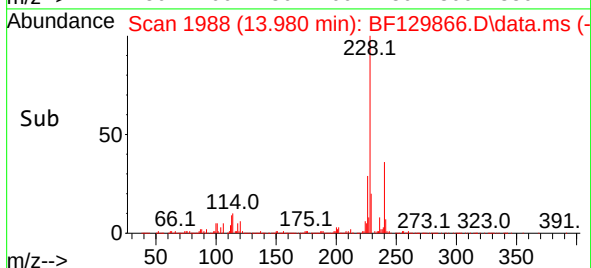
Reviewed By :Christian Giraldo 08/18/2022
Supervised By :Jagrut Upadhyay 08/18/2022

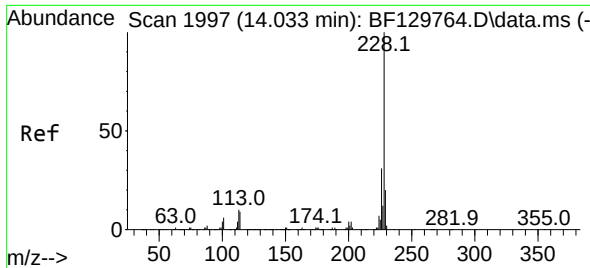


#81
Benzo(a)anthracene
Concen: 12.470 ng
RT: 13.980 min Scan# 1988
Delta R.T. -0.000 min
Lab File: BF129866.D
Acq: 18 Aug 2022 03:04



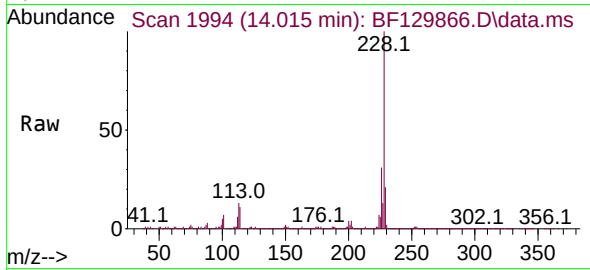
Tgt Ion:228 Resp: 262347
Ion Ratio Lower Upper
228 100
226 29.3 21.4 32.0
229 21.0 16.1 24.1





#83
Chrysene
Concen: 33.270 ng
RT: 14.015 min Scan# 1997
Delta R.T. -0.000 min
Lab File: BF129866.D
Acq: 18 Aug 2022 03:04

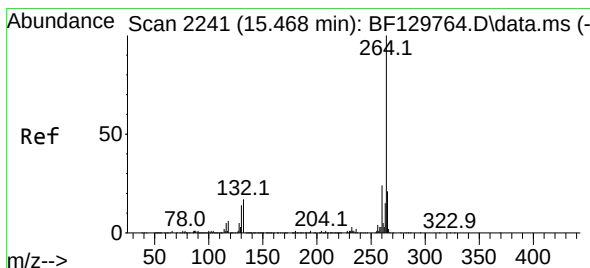
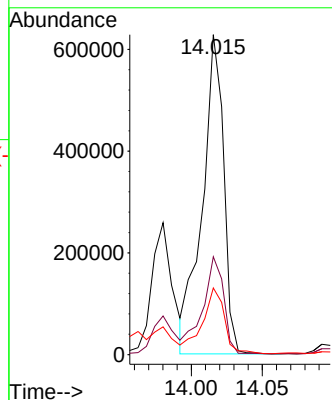
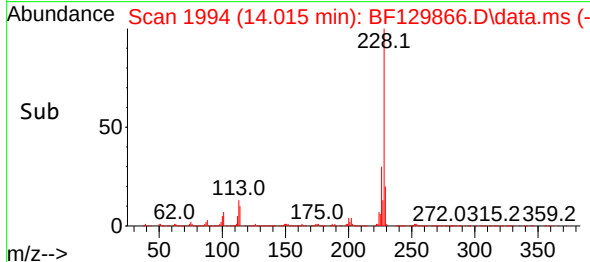
Instrument :
BNA_F
ClientSampleId :
RO-211DL



Tgt Ion:228 Resp: 655200
Ion Ratio Lower Upper
228 100
226 30.6 24.4 36.6
229 20.8 15.9 23.9

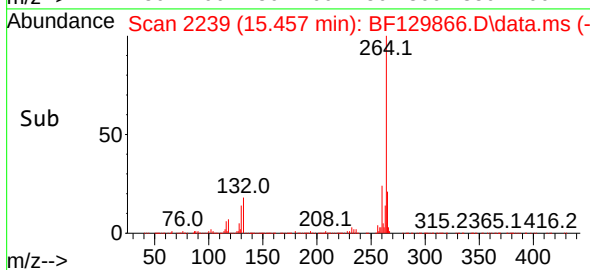
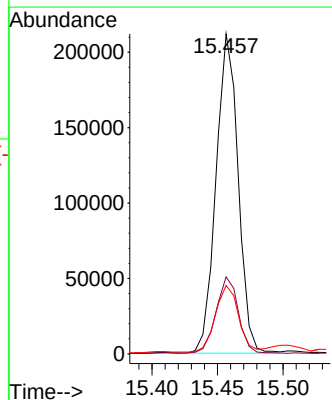
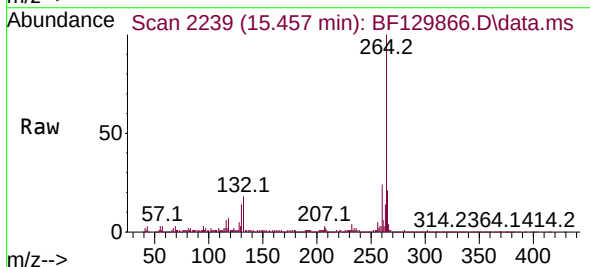
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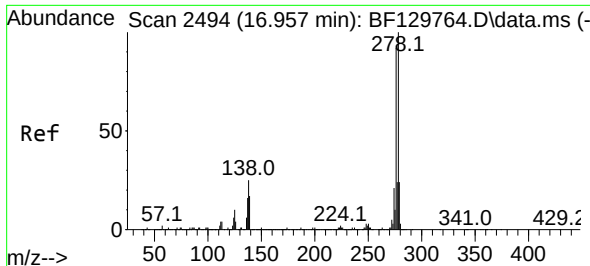
Reviewed By :Christian Giraldo 08/18/2022
Supervised By :Jagrut Upadhyay 08/18/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.457 min Scan# 2239
Delta R.T. -0.000 min
Lab File: BF129866.D
Acq: 18 Aug 2022 03:04

Tgt Ion:264 Resp: 248699
Ion Ratio Lower Upper
264 100
260 24.1 19.1 28.7
265 21.4 16.7 25.1





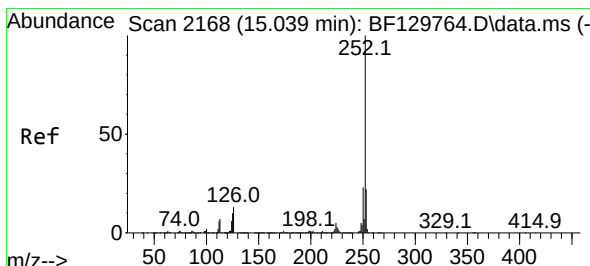
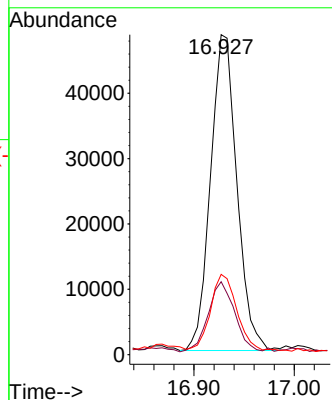
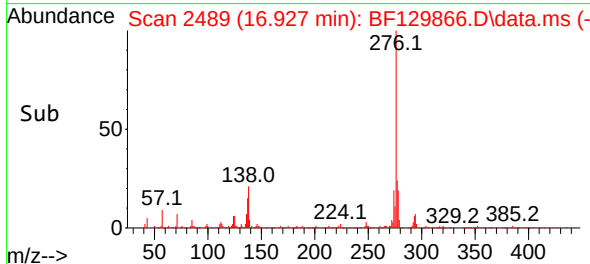
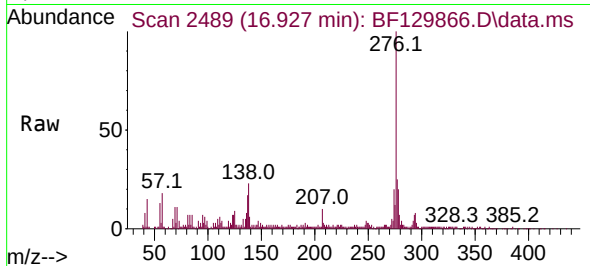
#87
Indeno(1,2,3-cd)pyrene
Concen: 5.187 ng
RT: 16.927 min Scan# 2494
Delta R.T. -0.012 min
Lab File: BF129866.D
Acq: 18 Aug 2022 03:04

Instrument :
BNA_F
ClientSampleId :
RO-211DL

Tgt Ion:276 Resp: 8855
Ion Ratio Lower Upper
276 100
138 22.2 19.8 29.8
277 24.7 20.4 30.6

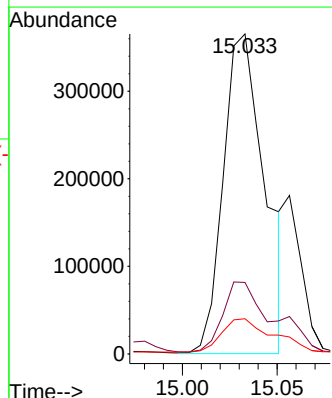
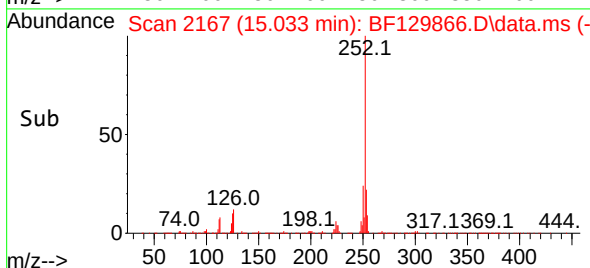
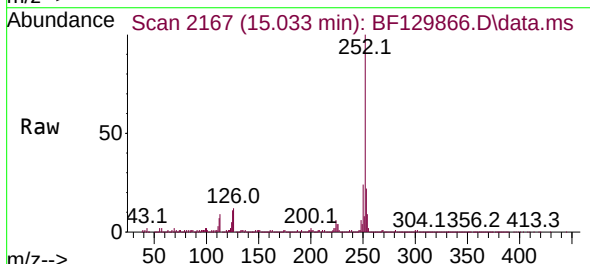
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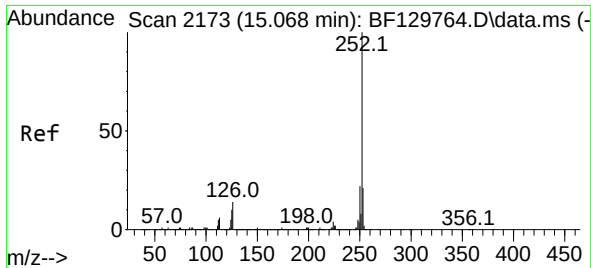
Reviewed By :Christian Giraldo 08/18/2022
Supervised By :Jagrut Upadhyay 08/18/2022



#88
Benzo(b)fluoranthene
Concen: 32.561 ng m
RT: 15.033 min Scan# 2167
Delta R.T. 0.006 min
Lab File: BF129866.D
Acq: 18 Aug 2022 03:04

Tgt Ion:252 Resp: 554501
Ion Ratio Lower Upper
252 100
253 22.3 17.5 26.3
125 11.0 8.3 12.5





#89

Benzo(k)fluoranthene

Concen: 7.048 ng m

RT: 15.057 min Scan# 2173

Delta R.T. -0.000 min

Lab File: BF129866.D

Acq: 18 Aug 2022 03:04

Instrument :

BNA_F

ClientSampleId :

RO-211DL

Tgt Ion:252 Resp: 115098

Ion Ratio Lower Upper

252 100

253 23.5 17.1 25.7

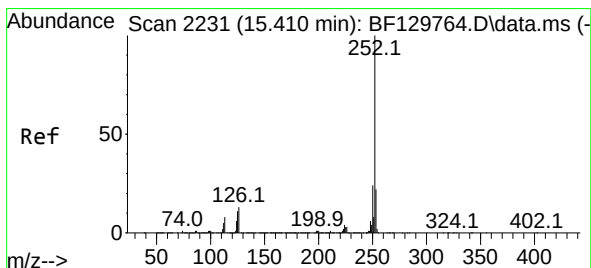
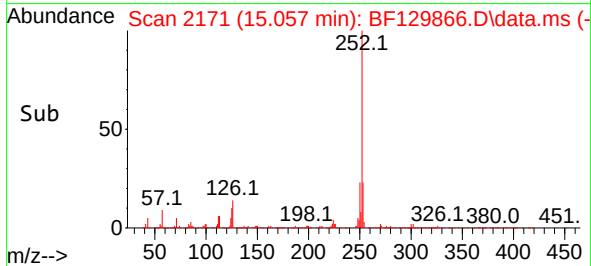
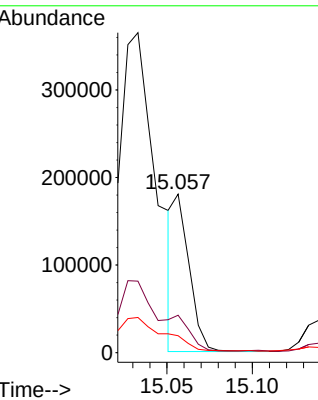
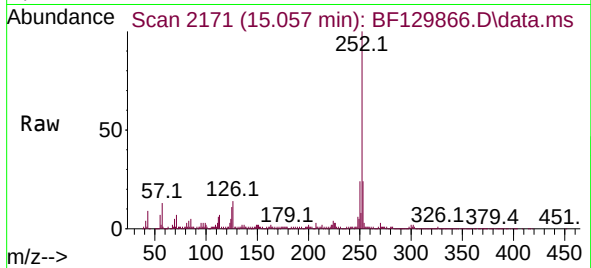
125 10.7 8.3 12.5

Manual Integrations

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Reviewed By :Christian Giraldo 08/18/2022

Supervised By :Jagrut Upadhyay 08/18/2022



#90

Benzo(a)pyrene

Concen: 10.127 ng

RT: 15.398 min Scan# 2229

Delta R.T. 0.006 min

Lab File: BF129866.D

Acq: 18 Aug 2022 03:04

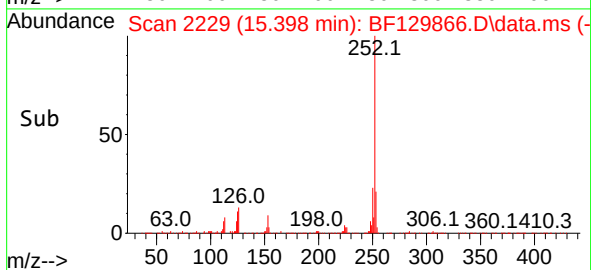
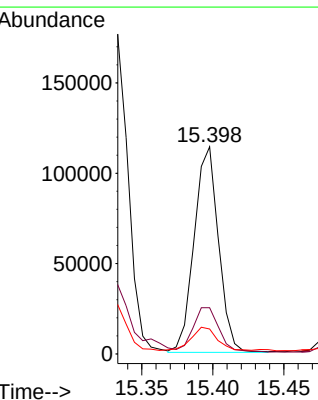
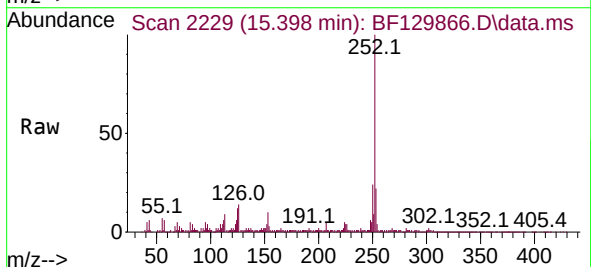
Tgt Ion:252 Resp: 135809

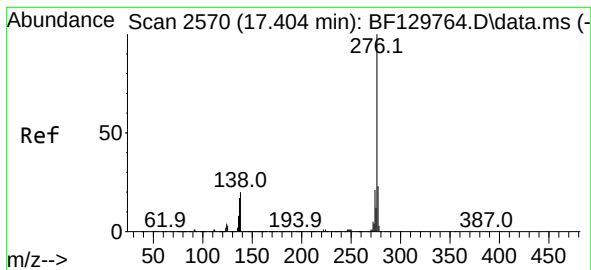
Ion Ratio Lower Upper

252 100

253 22.3 17.2 25.8

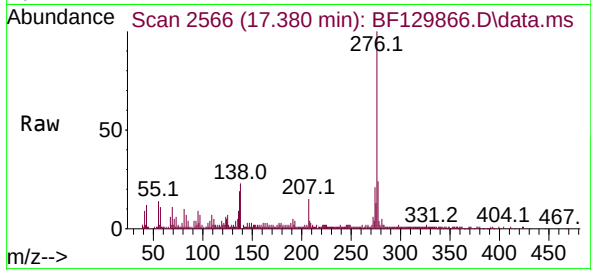
125 12.0 8.8 13.2





#92
 Benzo(g,h,i)perylene
 Concen: 5.232 ng
 RT: 17.380 min Scan# 2566
 Delta R.T. -0.006 min
 Lab File: BF129866.D
 Acq: 18 Aug 2022 03:04

Instrument :
 BNA_F
 ClientSampleId :
 RO-211DL



Tgt Ion: 276 Resp: 73529
 Ion Ratio Lower Upper
 276 100
 277 24.3 18.2 27.4
 138 22.6 15.8 23.8

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 08/18/2022
 Supervised By : Jagrut Upadhyay 08/18/2022

