

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070822\
 Data File : BF129181.D
 Acq On : 08 Jul 2022 18:15
 Operator : CG\JU
 Sample : N3605-03RE
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OE-3-070622RE

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 07/11/2022
 Supervised By :mohammad ahmed 07/11/2022

Quant Time: Jul 08 23:24:56 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 08 23:22:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.945	152	221106	20.000	ng	0.00
21) Naphthalene-d8	8.228	136	730267	20.000	ng	0.00
39) Acenaphthene-d10	9.986	164	323121	20.000	ng	0.00
64) Phenanthrene-d10	11.480	188	575496	20.000	ng	# 0.00
76) Chrysene-d12	14.139	240	340243	20.000	ng	0.00
86) Perylene-d12	15.663	264	254597	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	1362350	104.169	ng	0.00
7) Phenol-d6	6.569	99	1579392	97.236	ng	0.00
23) Nitrobenzene-d5	7.510	82	940997	76.858	ng	0.00
42) 2,4,6-Tribromophenol	10.780	330	361898	103.003	ng	0.00
45) 2-Fluorobiphenyl	9.304	172	1657464	82.062	ng	0.00
79) Terphenyl-d14	13.074	244	1464274	89.370	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.851	152	111710	4.098	ng	99
58) Fluorene	10.539	166	40537	2.027	ng	97
71) Phenanthrene	11.504	178	618274	22.485	ng	99
72) Anthracene	11.557	178	224632	8.286	ng	100
75) Fluoranthene	12.704	202	1676366	58.295	ng	98
78) Pyrene	12.933	202	1120780	47.522	ng	98
81) Benzo(a)anthracene	14.127	228	580931	27.963	ng	95
83) Chrysene	14.163	228	535906m	27.787	ng	
87) Indeno(1,2,3-cd)pyrene	17.227	276	246589	15.792	ng	# 94
88) Benzo(b)fluoranthene	15.210	252	652582m	42.620	ng	
89) Benzo(k)fluoranthene	15.239	252	145126m	9.772	ng	
90) Benzo(a)pyrene	15.598	252	395940	31.721	ng	94
91) Dibenzo(a,h)anthracene	17.233	278	60495	4.752	ng	# 74
92) Benzo(g,h,i)perylene	17.698	276	229763	17.991	ng	97

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

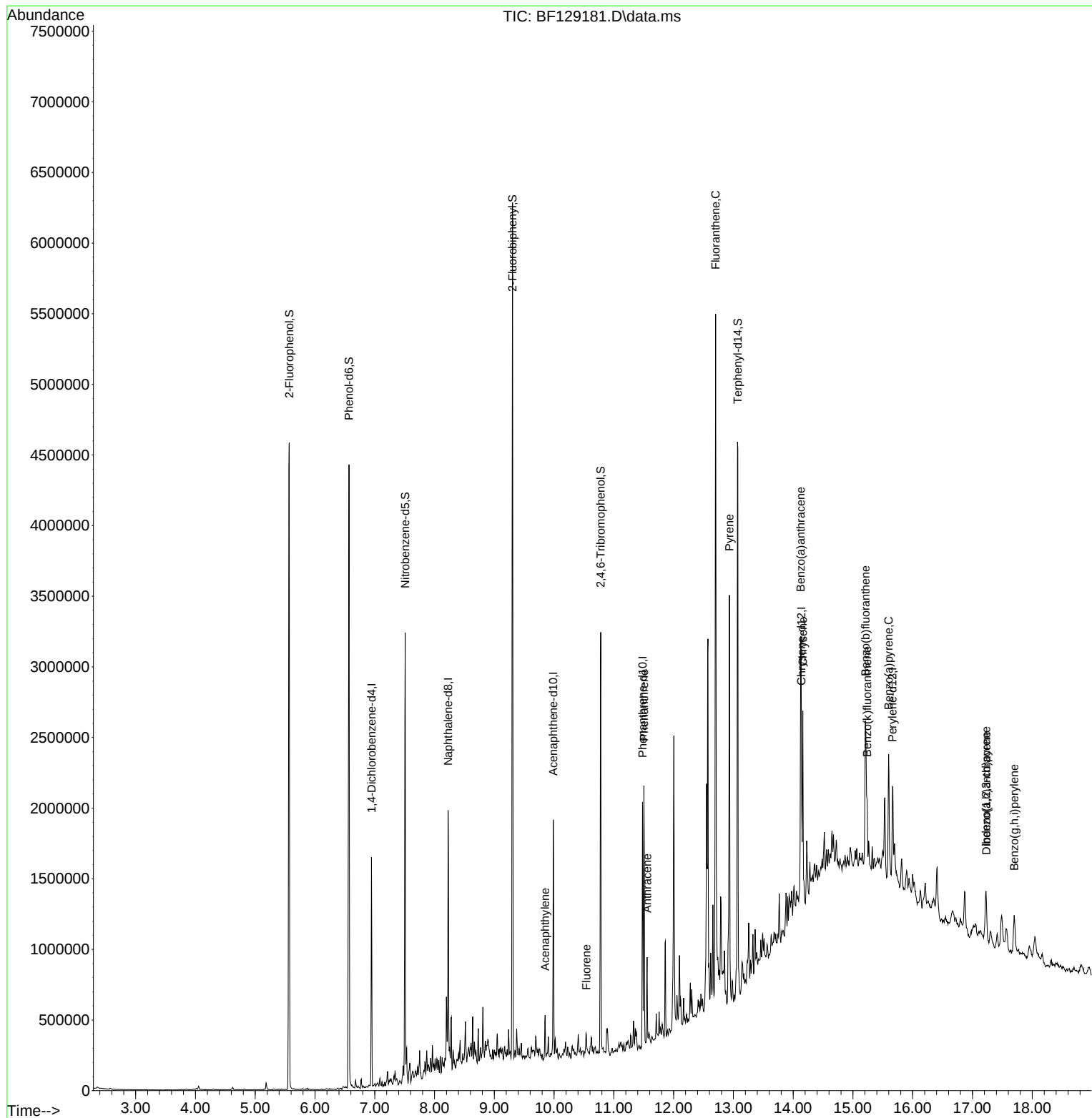
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070822\
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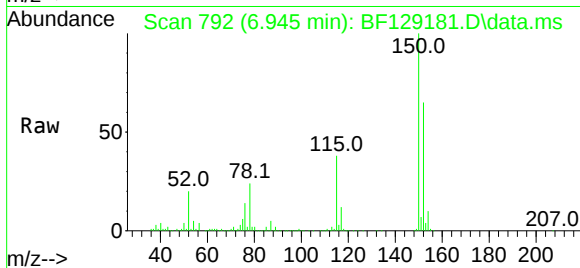
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 08 23:22:06 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.945 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF129181.D
Acq: 08 Jul 2022 18:15

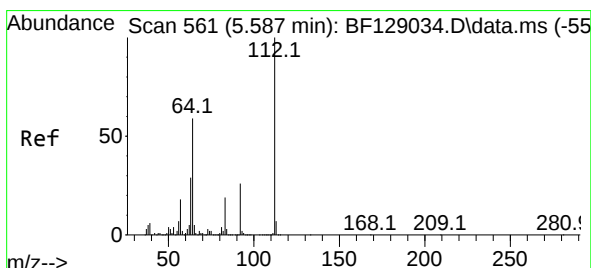
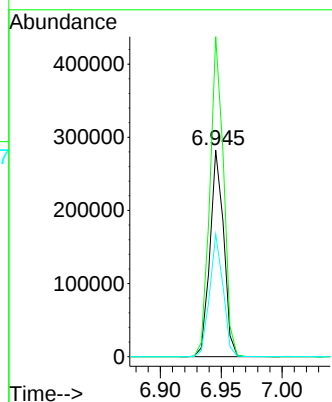
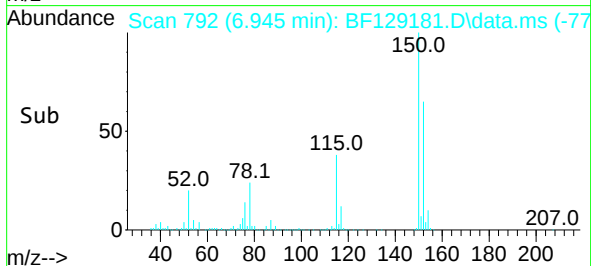
Instrument :
BNA_F
ClientSampleId :
OE-3-070622RE



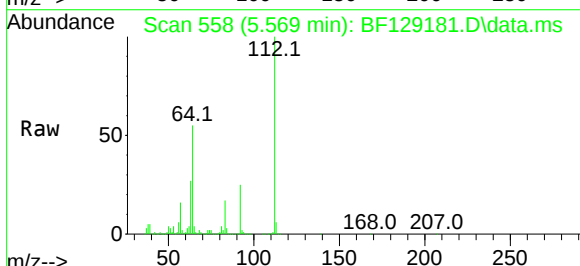
Tgt Ion:152 Resp: 221100
Ion Ratio Lower Upper
152 100
150 155.0 123.7 185.5
115 59.4 49.9 74.9

Manual Integrations
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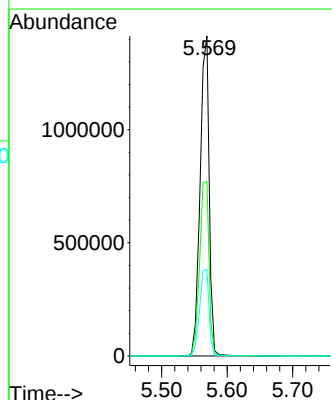
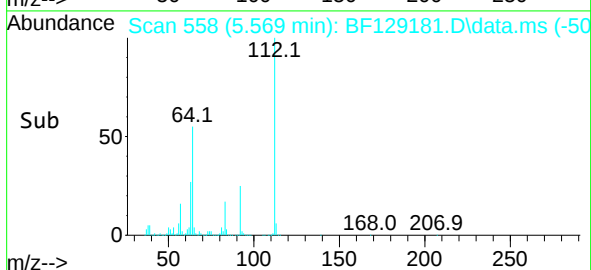
Reviewed By :Jagrut Upadhyay 07/11/2022
Supervised By :mohammad ahmed 07/11/2022



#5
2-Fluorophenol
Concen: 104.169 ng
RT: 5.569 min Scan# 558
Delta R.T. -0.006 min
Lab File: BF129181.D
Acq: 08 Jul 2022 18:15



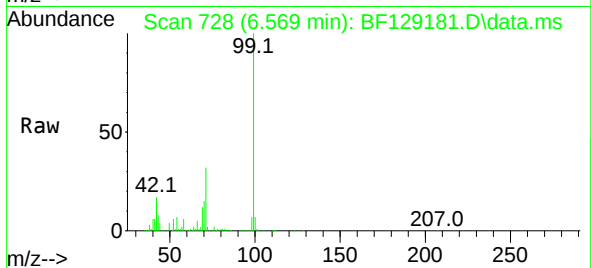
Tgt Ion:112 Resp: 1362350
Ion Ratio Lower Upper
112 100
64 54.6 53.3 79.9
63 27.0 28.0 42.0#





#7
Phenol-d6
Concen: 97.236 ng
RT: 6.569 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF129181.D
Acq: 08 Jul 2022 18:15

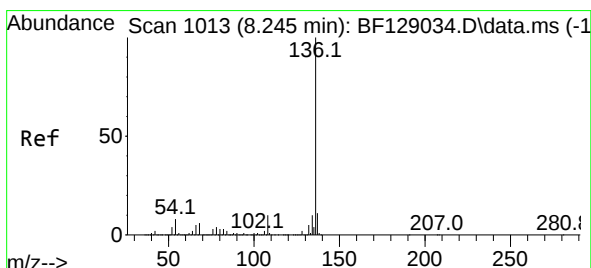
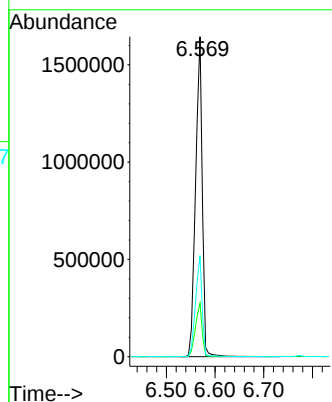
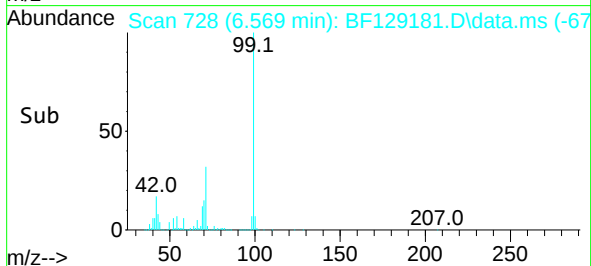
Instrument :
BNA_F
ClientSampleId :
OE-3-070622RE



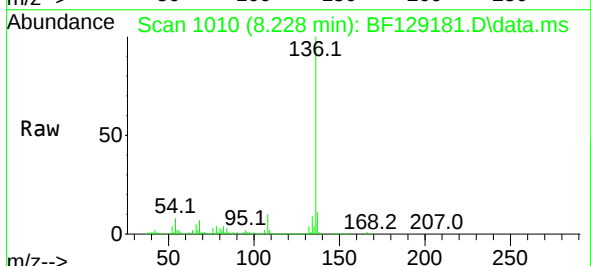
Tgt Ion: 99 Resp: 1579392
Ion Ratio Lower Upper
99 100
42 16.7 17.3 25.9
71 31.6 28.9 43.3

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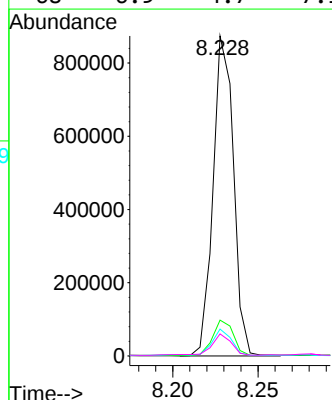
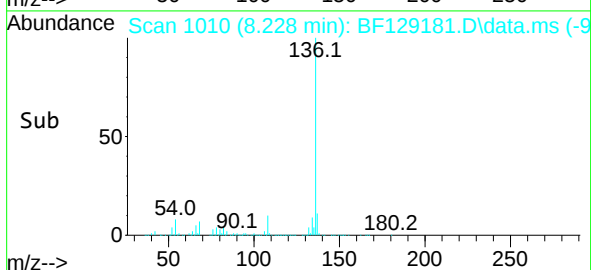
Reviewed By :Jagrut Upadhyay 07/11/2022
Supervised By :mohammad ahmed 07/11/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.228 min Scan# 1010
Delta R.T. -0.006 min
Lab File: BF129181.D
Acq: 08 Jul 2022 18:15



Tgt Ion:136 Resp: 730267
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 8.4 7.5 11.3
68 6.9 4.7 7.1





#23

Nitrobenzene-d5

Concen: 76.858 ng

RT: 7.510 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF129181.D

Acq: 08 Jul 2022 18:15

Instrument :

BNA_F

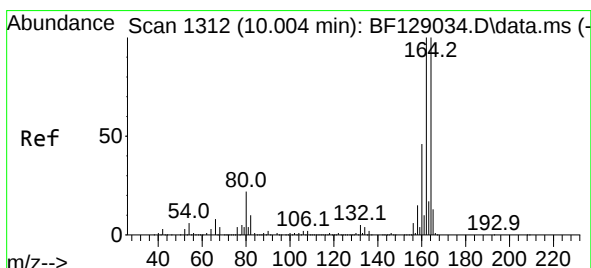
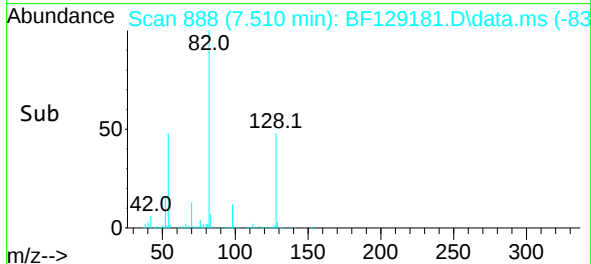
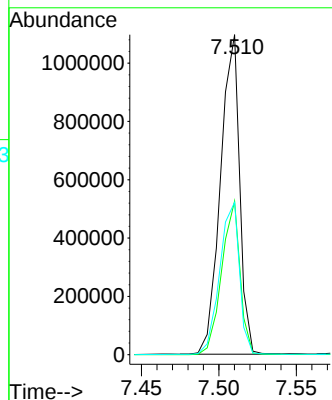
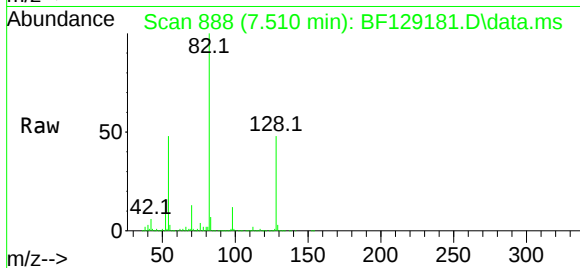
ClientSampleId :

OE-3-070622RE

Tgt Ion: 82 Resp: 940997
 Ion Ratio Lower Upper
 82 100
 128 48.0 34.0 51.0
 54 47.6 46.9 70.3

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#39

Acenaphthene-d10

Concen: 20.000 ng

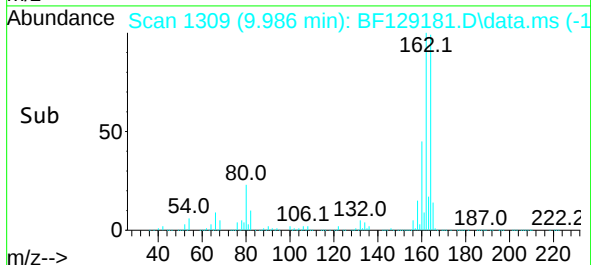
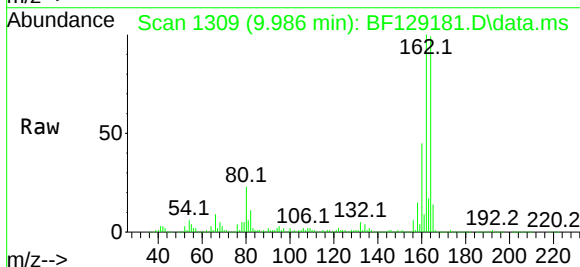
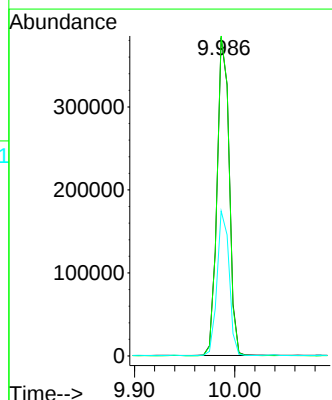
RT: 9.986 min Scan# 1309

Delta R.T. -0.006 min

Lab File: BF129181.D

Acq: 08 Jul 2022 18:15

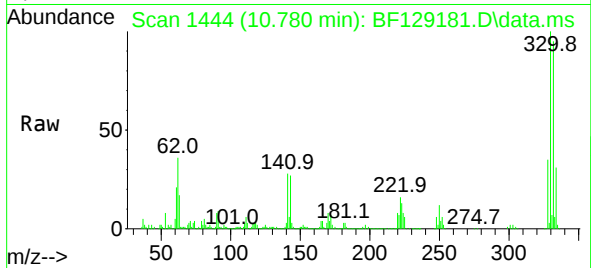
Tgt Ion:164 Resp: 323121
 Ion Ratio Lower Upper
 164 100
 162 100.5 79.5 119.3
 160 45.6 34.2 51.4





#42
2,4,6-Tribromophenol
Concen: 103.003 ng
RT: 10.780 min Scan# 1444
Delta R.T. -0.006 min
Lab File: BF129181.D
Acq: 08 Jul 2022 18:15

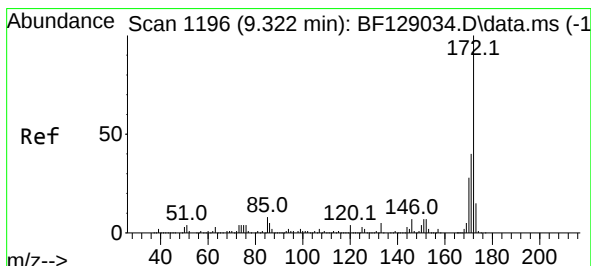
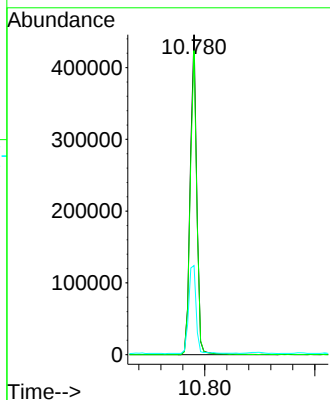
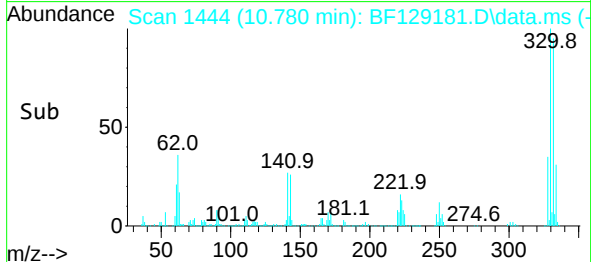
Instrument :
BNA_F
ClientSampleId :
OE-3-070622RE



Tgt Ion:330 Resp: 361898
Ion Ratio Lower Upper
330 100
332 95.5 76.8 115.2
141 31.5 28.0 42.0

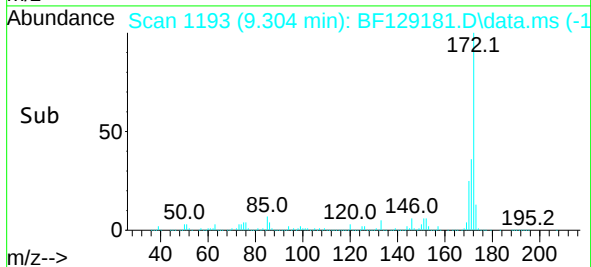
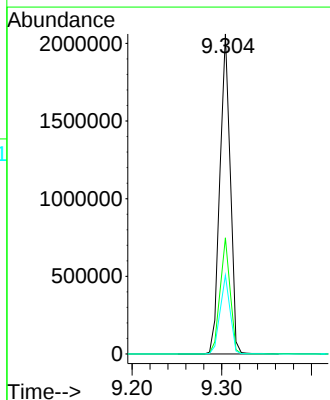
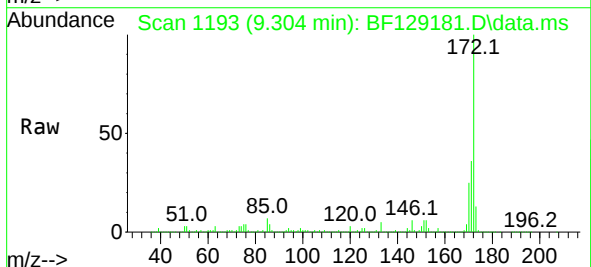
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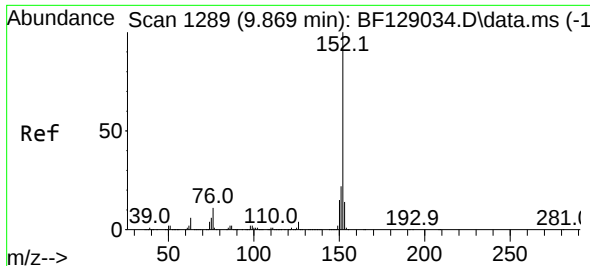
Reviewed By :Jagrut Upadhyay 07/11/2022
Supervised By :mohammad ahmed 07/11/2022



#45
2-Fluorobiphenyl
Concen: 82.062 ng
RT: 9.304 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF129181.D
Acq: 08 Jul 2022 18:15

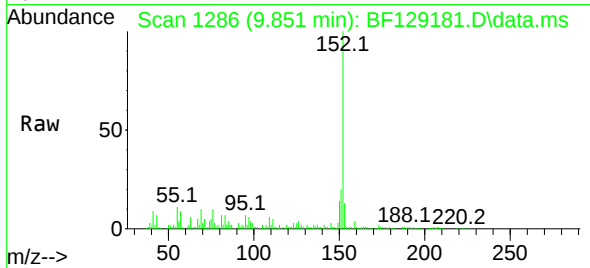
Tgt Ion:172 Resp: 1657464
Ion Ratio Lower Upper
172 100
171 36.3 28.8 43.2
170 24.6 19.8 29.8





#49
Acenaphthylene
Concen: 4.098 ng
RT: 9.851 min Scan# 11710
Delta R.T. -0.006 min
Lab File: BF129181.D
Acq: 08 Jul 2022 18:15

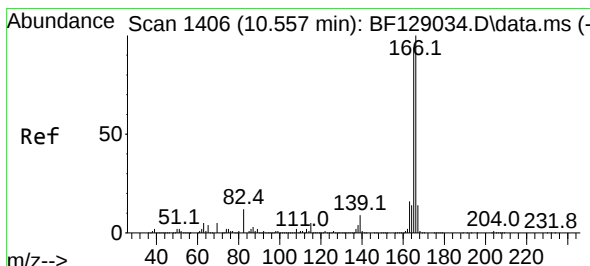
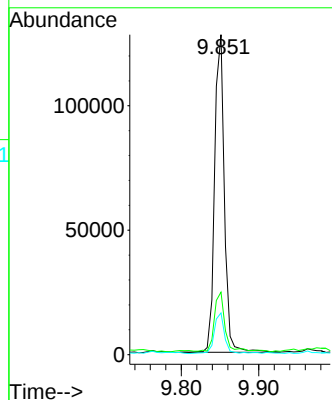
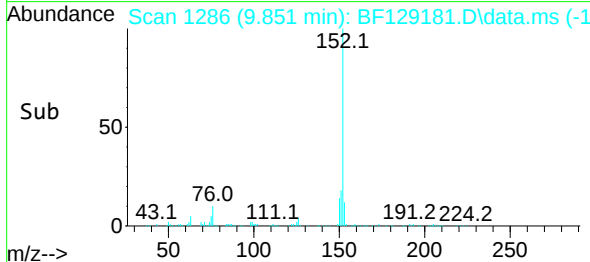
Instrument :
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ClientSampleId :
OE-3-070622RE



Tgt Ion:152 Resp: 111710
Ion Ratio Lower Upper
152 100
151 19.6 16.2 24.4
153 13.1 10.7 16.1

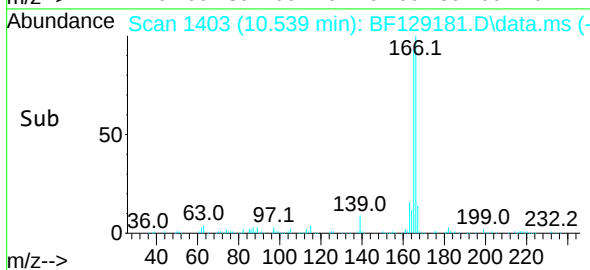
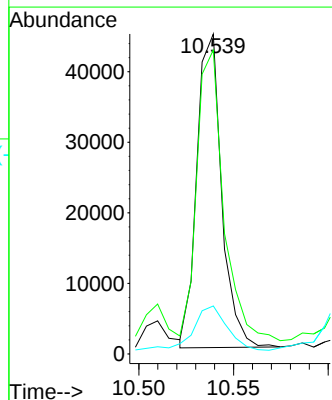
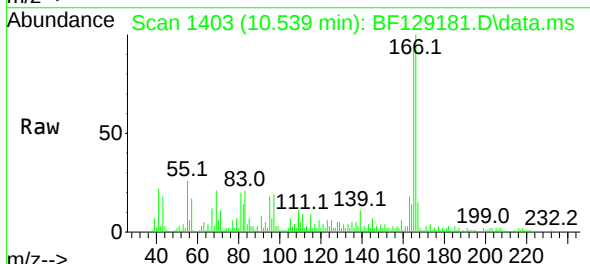
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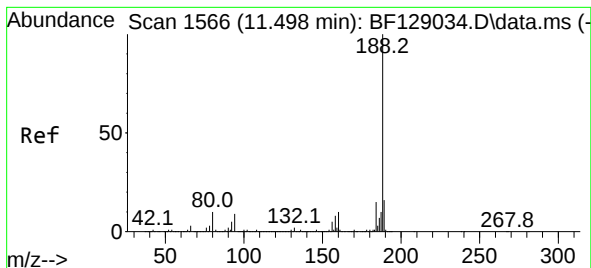
Reviewed By :Jagrut Upadhyay 07/11/2022
Supervised By :mohammad ahmed 07/11/2022



#58
Fluorene
Concen: 2.027 ng
RT: 10.539 min Scan# 1403
Delta R.T. -0.006 min
Lab File: BF129181.D
Acq: 08 Jul 2022 18:15

Tgt Ion:166 Resp: 40537
Ion Ratio Lower Upper
166 100
165 95.0 78.1 117.1
167 15.0 10.5 15.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.480 min Scan# 1563

Delta R.T. -0.006 min

Lab File: BF129181.D

Acq: 08 Jul 2022 18:15

Instrument :

BNA_F

ClientSampleId :

OE-3-070622RE

Tgt Ion:188 Resp: 575490

Ion Ratio Lower Upper

188 100

94 10.7 7.0 10.6

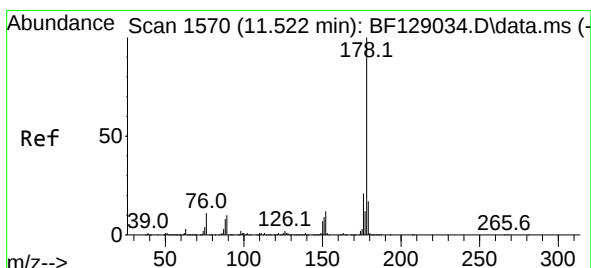
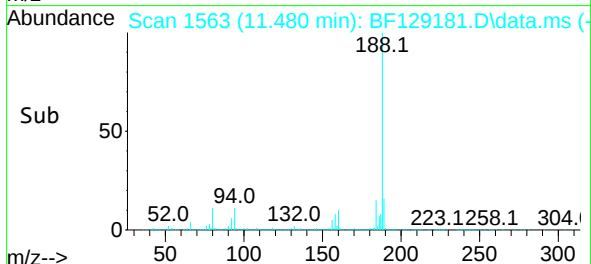
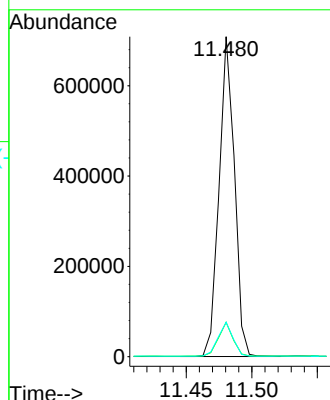
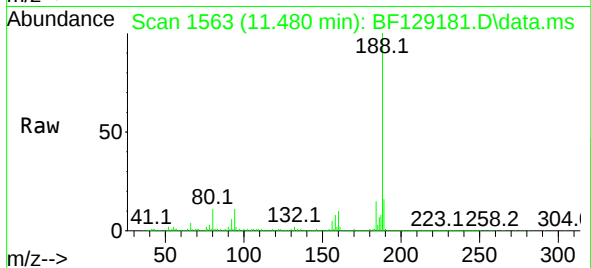
80 10.8 7.6 11.4

Manual Integrations

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Reviewed By :Jagrut Upadhyay 07/11/2022

Supervised By :mohammad ahmed 07/11/2022



#71

Phenanthrene

Concen: 22.485 ng

RT: 11.504 min Scan# 1567

Delta R.T. -0.006 min

Lab File: BF129181.D

Acq: 08 Jul 2022 18:15

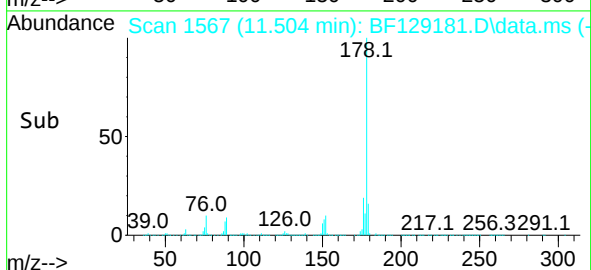
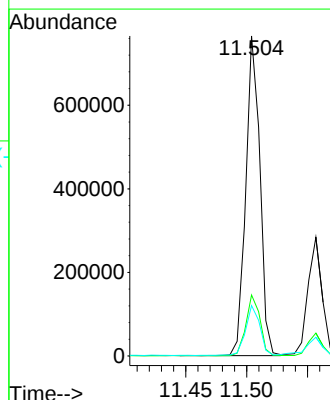
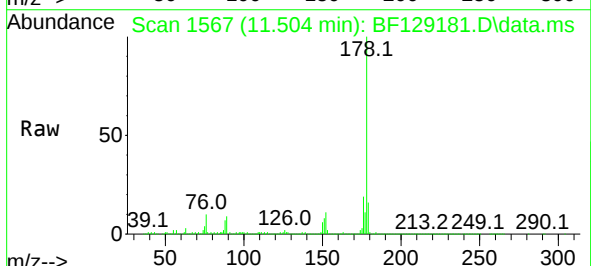
Tgt Ion:178 Resp: 618274

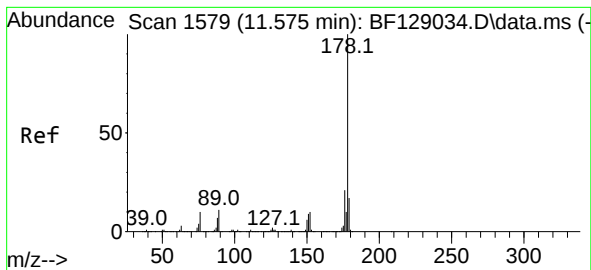
Ion Ratio Lower Upper

178 100

176 19.0 16.0 24.0

179 15.7 12.6 19.0





#72

Anthracene

Concen: 8.286 ng

RT: 11.557 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF129181.D

Acq: 08 Jul 2022 18:15

Instrument :

BNA_F

ClientSampleId :

OE-3-070622RE

Tgt Ion:178 Resp: 22463

Ion Ratio Lower Upper

178 100

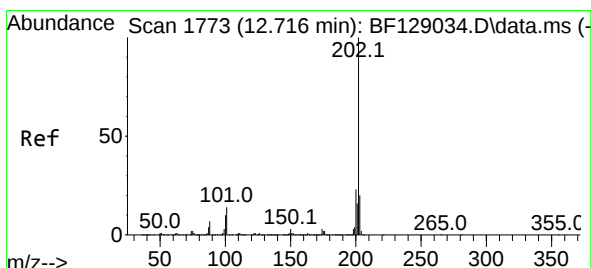
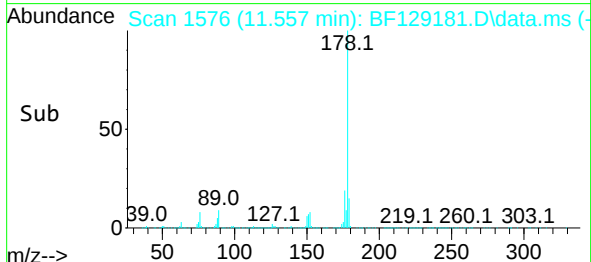
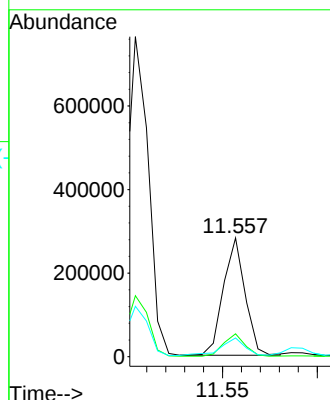
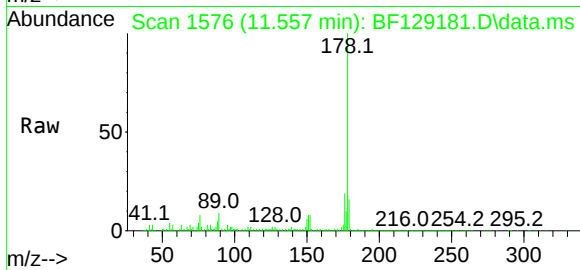
176 19.3 15.4 23.2

179 15.8 12.6 19.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/11/2022
Supervised By :mohammad ahmed 07/11/2022



#75

Fluoranthene

Concen: 58.295 ng

RT: 12.704 min Scan# 1771

Delta R.T. 0.000 min

Lab File: BF129181.D

Acq: 08 Jul 2022 18:15

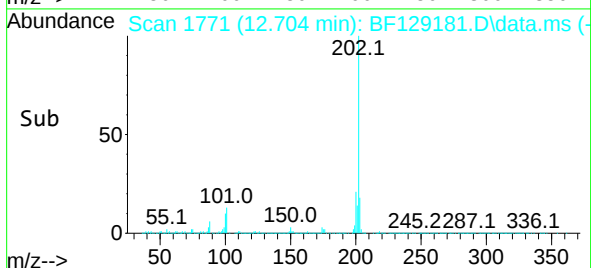
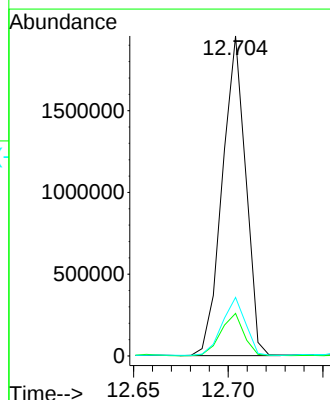
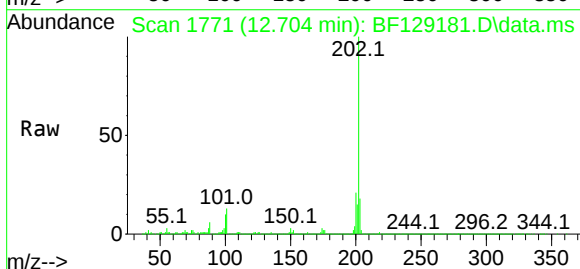
Tgt Ion:202 Resp: 1676366

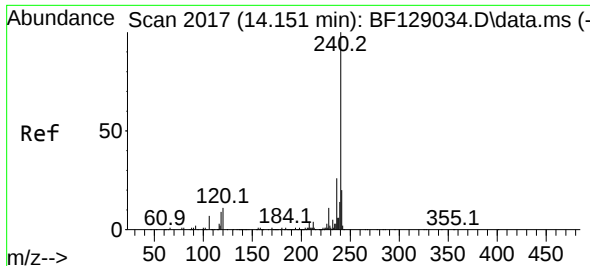
Ion Ratio Lower Upper

202 100

101 13.3 0.0 31.4

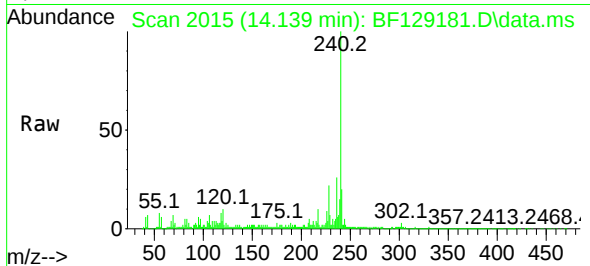
203 18.3 0.0 38.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.139 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF129181.D
Acq: 08 Jul 2022 18:15

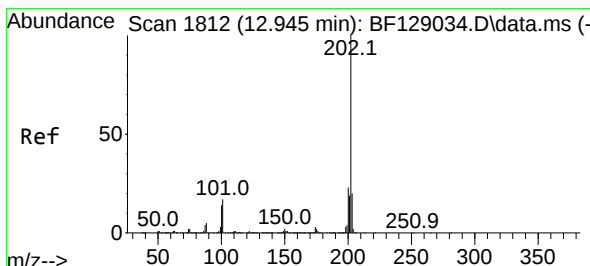
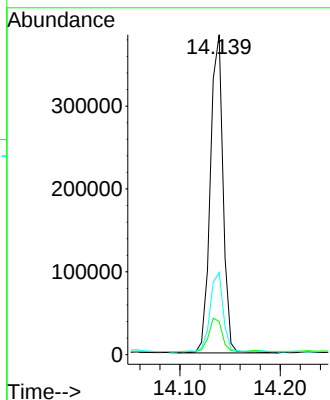
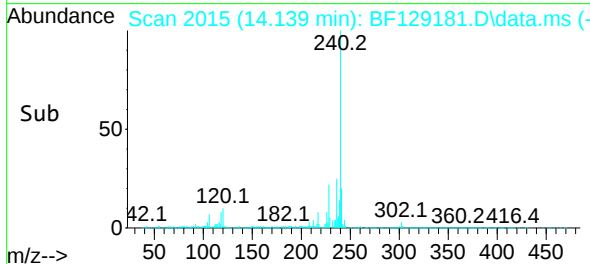
Instrument :
BNA_F
ClientSampleId :
OE-3-070622RE



Tgt Ion:240 Resp: 34024
Ion Ratio Lower Upper
240 100
120 10.4 8.9 13.3
236 25.7 20.8 31.2

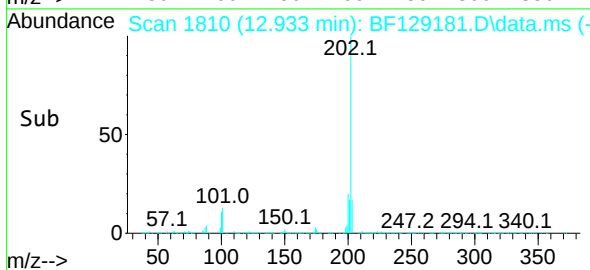
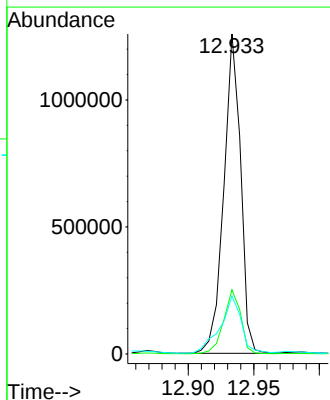
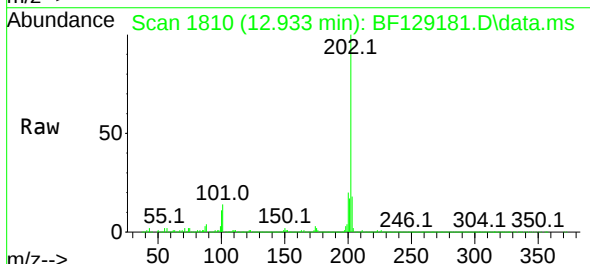
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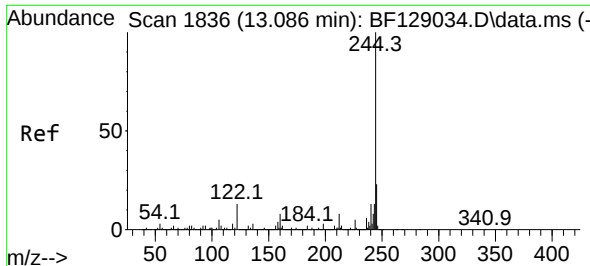
Reviewed By :Jagrut Upadhyay 07/11/2022
Supervised By :mohammad ahmed 07/11/2022



#78
Pyrene
Concen: 47.522 ng
RT: 12.933 min Scan# 1810
Delta R.T. 0.000 min
Lab File: BF129181.D
Acq: 08 Jul 2022 18:15

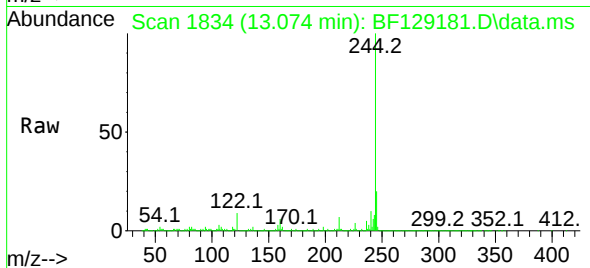
Tgt Ion:202 Resp: 1120780
Ion Ratio Lower Upper
202 100
200 20.1 17.7 26.5
203 18.0 14.6 21.8





#79
 Terphenyl-d14
 Concen: 89.370 ng
 RT: 13.074 min Scan# 1836
 Delta R.T. 0.000 min
 Lab File: BF129181.D
 Acq: 08 Jul 2022 18:15

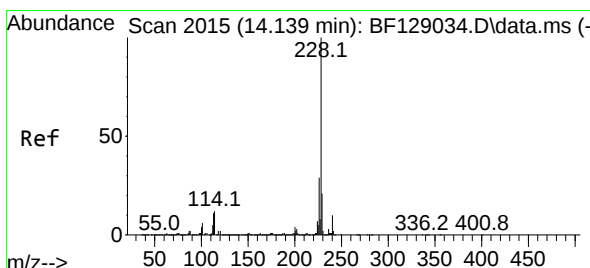
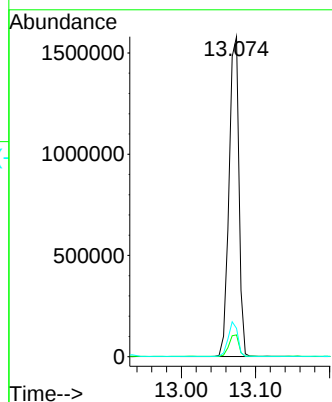
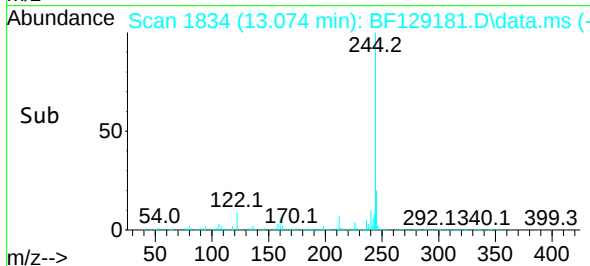
Instrument :
 BNA_F
 ClientSampleId :
 OE-3-070622RE



Tgt Ion:244 Resp: 1464274
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.1 9.1
 122 8.8 8.8 13.2

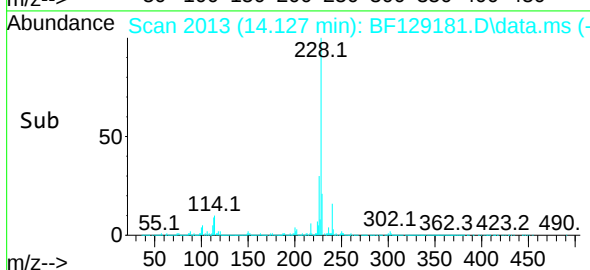
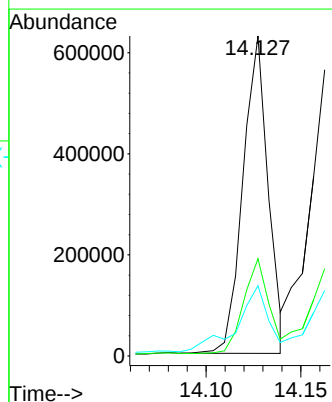
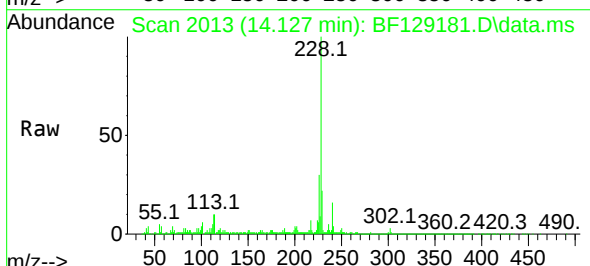
Manual Integrations
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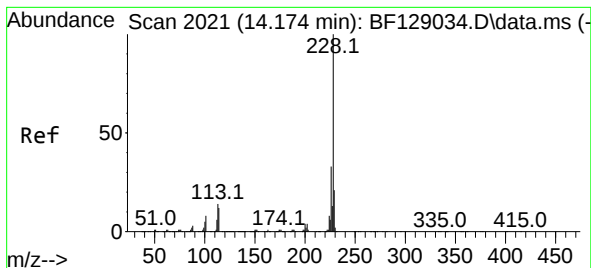
Reviewed By :Jagrut Upadhyay 07/11/2022
 Supervised By :mohammad ahmed 07/11/2022



#81
 Benzo(a)anthracene
 Concen: 27.963 ng
 RT: 14.127 min Scan# 2013
 Delta R.T. 0.000 min
 Lab File: BF129181.D
 Acq: 08 Jul 2022 18:15

Tgt Ion:228 Resp: 580931
 Ion Ratio Lower Upper
 228 100
 226 30.4 22.1 33.1
 229 22.0 15.8 23.8





#83

Chrysene

Concen: 27.787 ng m

RT: 14.163 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF129181.D

Acq: 08 Jul 2022 18:15

Instrument :

BNA_F

ClientSampleId :

OE-3-070622RE

Tgt Ion:228 Resp: 535900

Ion Ratio Lower Upper

228 100

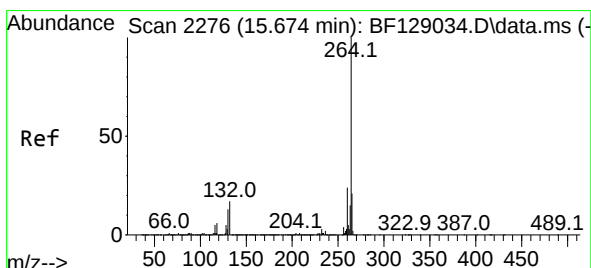
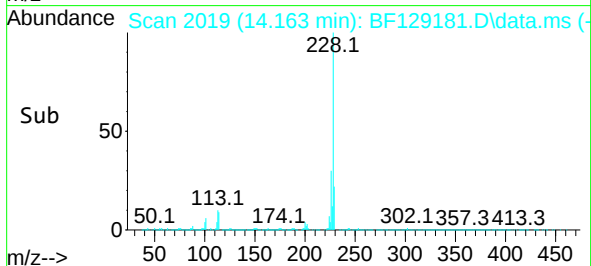
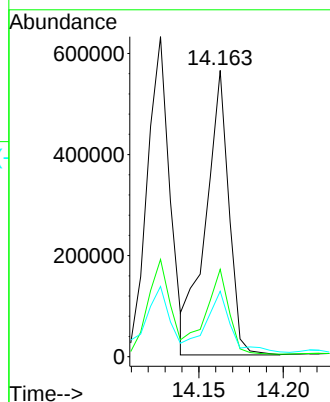
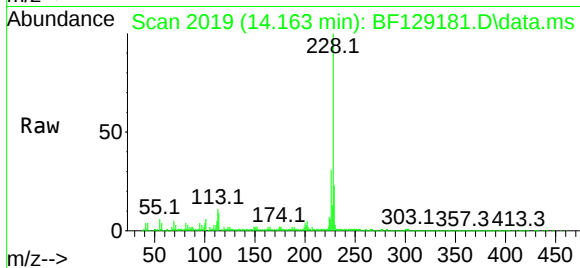
226 30.5 24.3 36.5

229 22.9 15.9 23.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/11/2022
Supervised By :mohammad ahmed 07/11/2022



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.663 min Scan# 2274

Delta R.T. 0.006 min

Lab File: BF129181.D

Acq: 08 Jul 2022 18:15

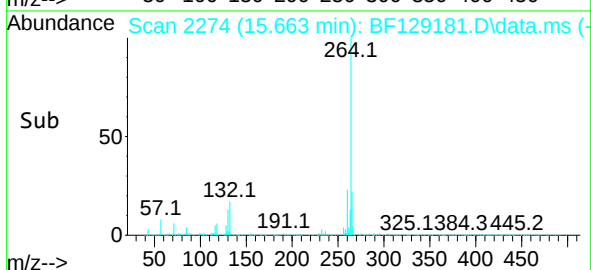
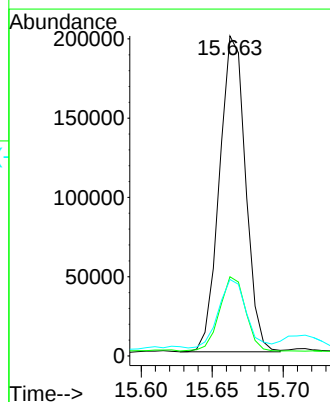
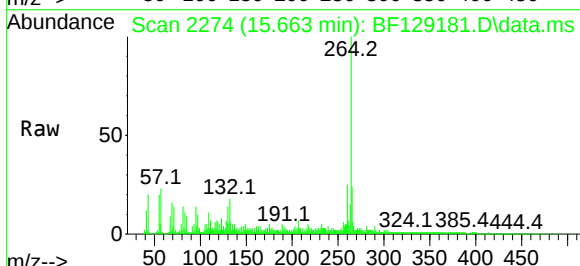
Tgt Ion:264 Resp: 254597

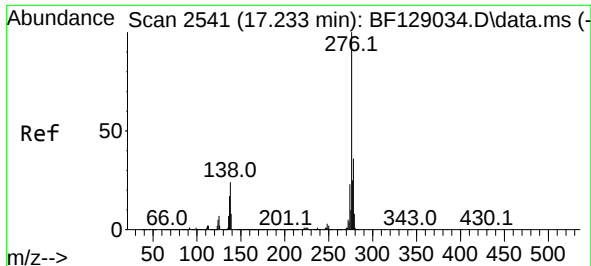
Ion Ratio Lower Upper

264 100

260 24.8 18.4 27.6

265 23.9 17.2 25.8





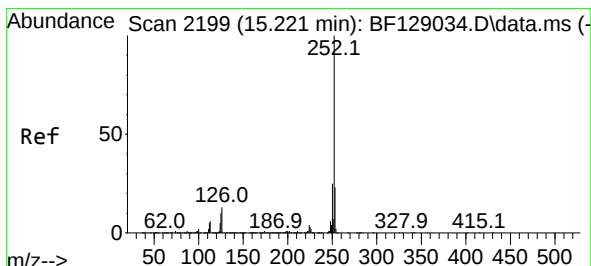
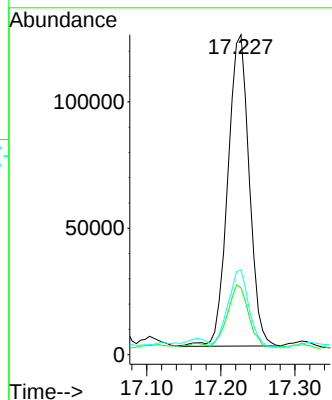
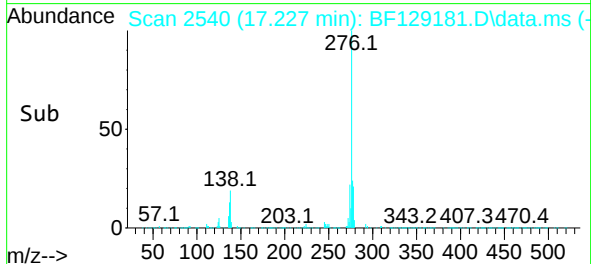
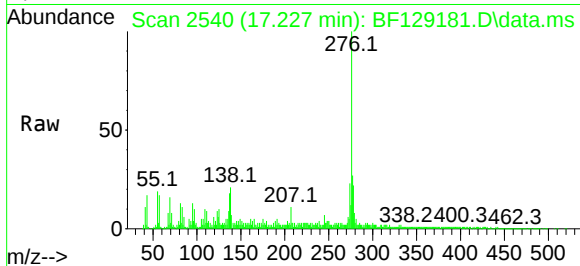
#87
Indeno(1,2,3-cd)pyrene
Concen: 15.792 ng
RT: 17.227 min Scan# 2197
Delta R.T. 0.012 min
Lab File: BF129181.D
Acq: 08 Jul 2022 18:15

Instrument :
BNA_F
ClientSampleId :
OE-3-070622RE

Tgt Ion:276 Resp: 246589
Ion Ratio Lower Upper
276 100
138 20.3 21.1 31.7
277 25.1 20.3 30.5

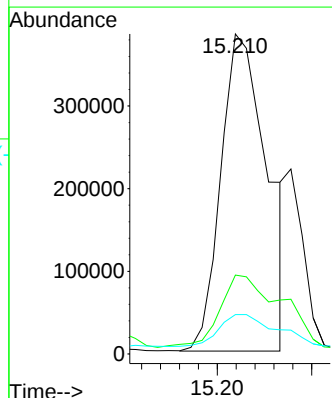
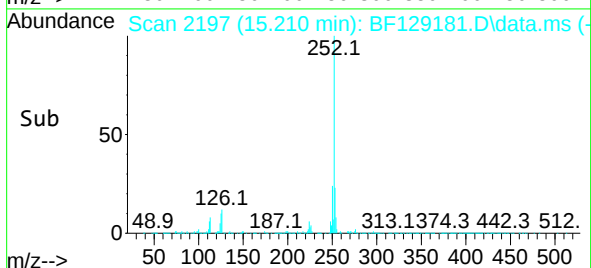
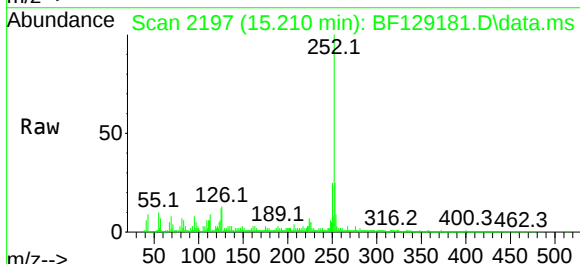
Manual Integrations
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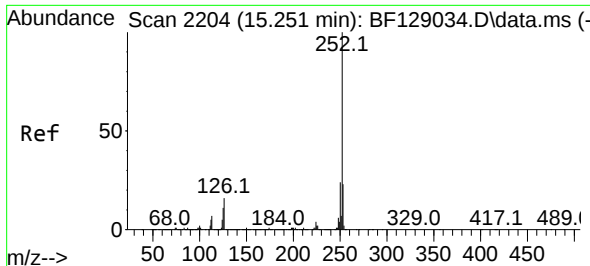
Reviewed By :Jagrut Upadhyay 07/11/2022
Supervised By :mohammad ahmed 07/11/2022



#88
Benzo(b)fluoranthene
Concen: 42.620 ng m
RT: 15.210 min Scan# 2197
Delta R.T. 0.006 min
Lab File: BF129181.D
Acq: 08 Jul 2022 18:15

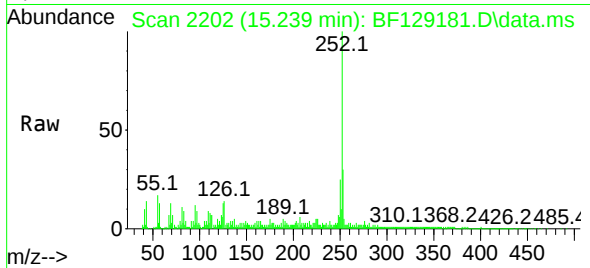
Tgt Ion:252 Resp: 652582
Ion Ratio Lower Upper
252 100
253 24.6 17.7 26.5
125 12.3 8.0 12.0#





#89
Benzo(k)fluoranthene
Concen: 9.772 ng m
RT: 15.239 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF129181.D
Acq: 08 Jul 2022 18:15

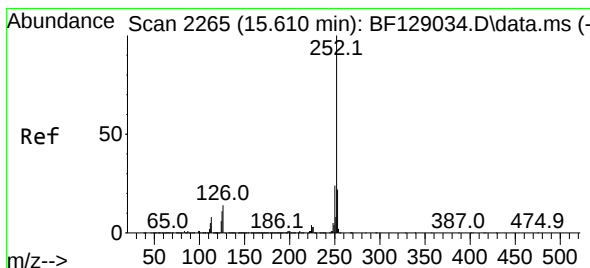
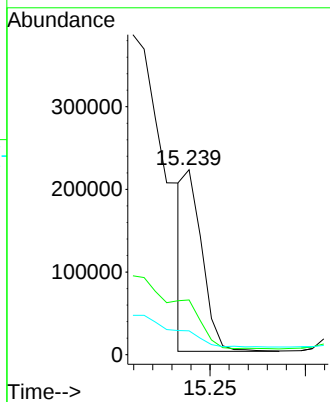
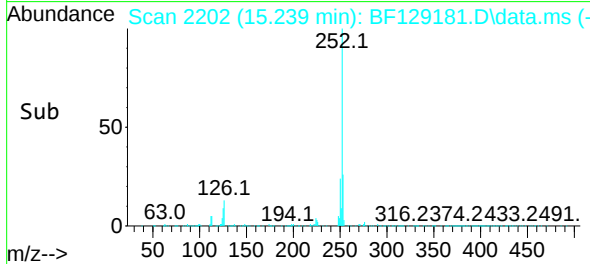
Instrument :
BNA_F
ClientSampleId :
OE-3-070622RE



Tgt Ion:252 Resp: 145120
Ion Ratio Lower Upper
252 100
253 29.6 17.8 26.6
125 12.9 8.3 12.5

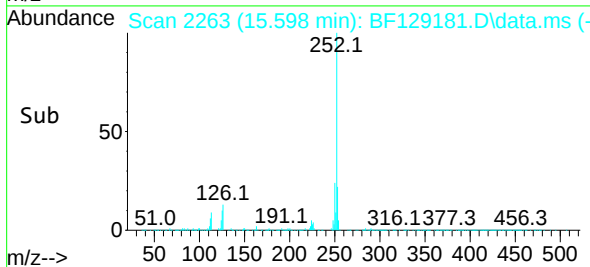
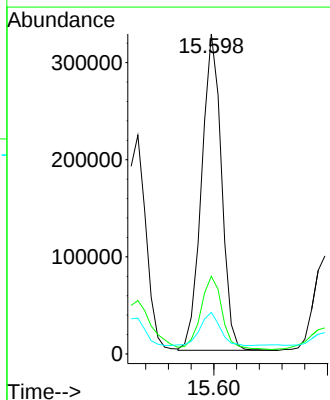
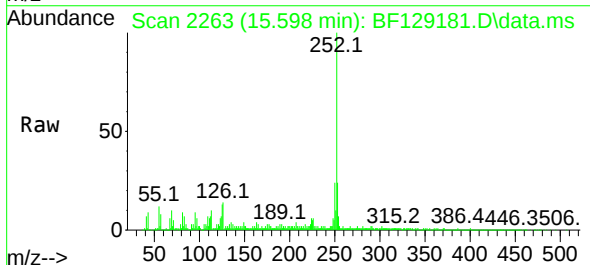
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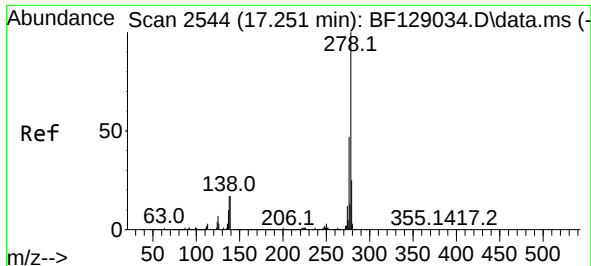
Reviewed By :Jagrut Upadhyay 07/11/2022
Supervised By :mohammad ahmed 07/11/2022



#90
Benzo(a)pyrene
Concen: 31.721 ng
RT: 15.598 min Scan# 2263
Delta R.T. 0.006 min
Lab File: BF129181.D
Acq: 08 Jul 2022 18:15

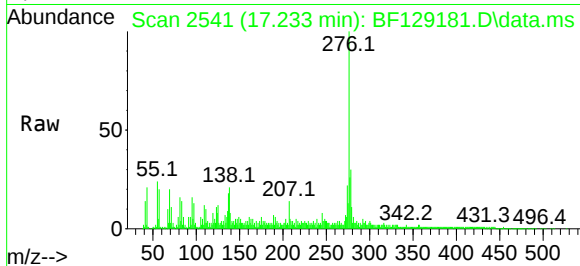
Tgt Ion:252 Resp: 395940
Ion Ratio Lower Upper
252 100
253 24.3 17.0 25.6
125 13.0 8.8 13.2





#91
Dibenzo(a,h)anthracene
Concen: 4.752 ng
RT: 17.233 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF129181.D
Acq: 08 Jul 2022 18:15

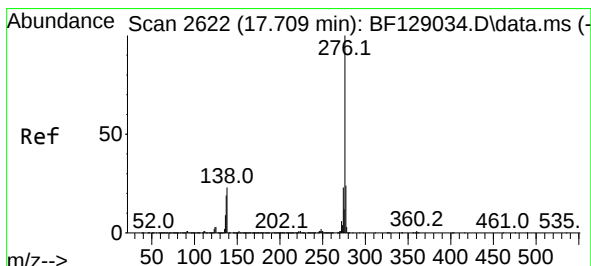
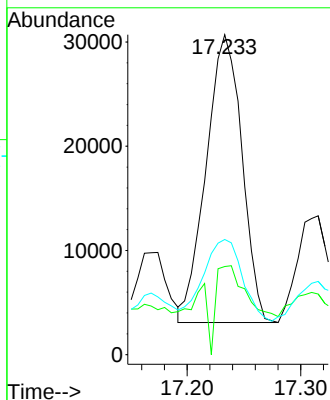
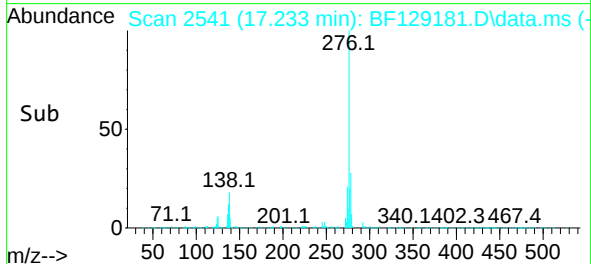
Instrument :
BNA_F
ClientSampleId :
OE-3-070622RE



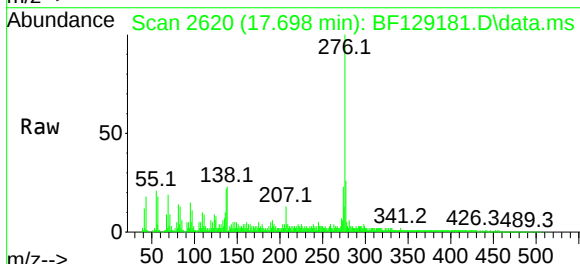
Tgt Ion: 278 Resp: 6049
Ion Ratio Lower Upper
278 100
139 27.5 12.8 19.2
279 36.0 18.6 28.0

Manual Integrations
APPROVED

Reviewed By : Jagrut Upadhyay 07/11/2022
Supervised By : mohammad ahmed 07/11/2022



#92
Benzo(g,h,i)perylene
Concen: 17.991 ng
RT: 17.698 min Scan# 2620
Delta R.T. 0.006 min
Lab File: BF129181.D
Acq: 08 Jul 2022 18:15



Tgt Ion: 276 Resp: 229763
Ion Ratio Lower Upper
276 100
277 25.6 19.1 28.7
138 23.3 18.0 27.0

