

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042522\
 Data File : BF127895.D
 Acq On : 25 Apr 2022 22:14
 Operator : CG\JU
 Sample : N2466-03
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E14ST-EB2-041822-0-5

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/27/2022
 Supervised By : Jagrut Upadhyay 04/28/2022

Quant Time: Apr 26 05:40:50 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Apr 24 00:43:03 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.939	152	161902	20.000	ng	0.00
21) Naphthalene-d8	8.222	136	625329	20.000	ng	0.00
39) Acenaphthene-d10	9.980	164	351786	20.000	ng	0.00
64) Phenanthrene-d10	11.474	188	586677	20.000	ng	0.00
76) Chrysene-d12	14.115	240	325517	20.000	ng	#-0.01
86) Perylene-d12	15.633	264	338672	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	944229	92.893	ng	0.00
7) Phenol-d6	6.563	99	1205602	91.407	ng	0.00
23) Nitrobenzene-d5	7.504	82	872171	65.586	ng	0.00
42) 2,4,6-Tribromophenol	10.775	330	310921	87.798	ng	0.00
45) 2-Fluorobiphenyl	9.298	172	1407798	67.701	ng	0.00
79) Terphenyl-d14	13.063	244	1227186	68.936	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	10.010	154	67535	3.310	ng	96
58) Fluorene	10.527	166	72390	3.296	ng	100
71) Phenanthrene	11.498	178	913867	29.758	ng	100
72) Anthracene	11.545	178	223278	7.299	ng	99
75) Fluoranthene	12.692	202	746962	23.111	ng	97
78) Pyrene	12.921	202	712317	27.108	ng	99
81) Benzo(a)anthracene	14.104	228	267687	12.338	ng	97
83) Chrysene	14.145	228	248858	12.010	ng	98
87) Indeno(1,2,3-cd)pyrene	17.162	276	121032	5.354	ng	96
88) Benzo(b)fluoranthene	15.180	252	255748m	12.023	ng	
89) Benzo(k)fluoranthene	15.204	252	88374m	4.124	ng	
90) Benzo(a)pyrene	15.562	252	206451	11.701	ng	99
92) Benzo(g,h,i)perylene	17.633	276	115532	6.047	ng	98

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

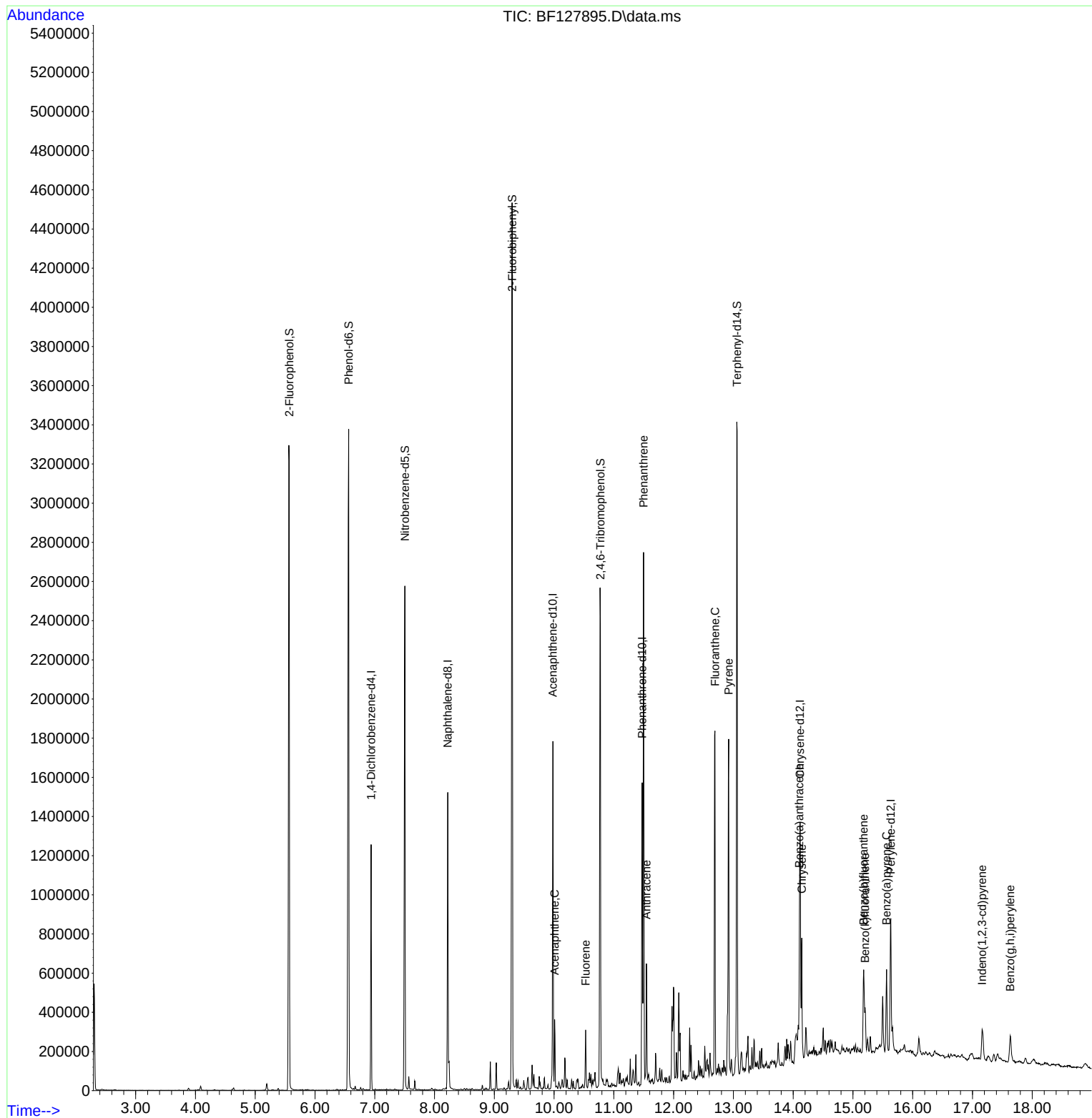
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042522\
Data File : BF127895.D
Acq On : 25 Apr 2022 22:14
Operator : CG\JU
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ALS Vial : 17 Sample Multiplier: 1

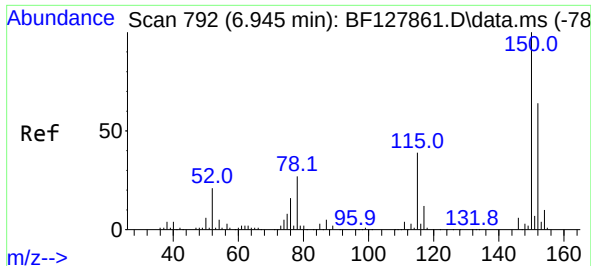
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E14ST-EB2-041822-0-5

Quant Time: Apr 26 05:40:50 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Apr 24 00:43:03 2022
Response via : Initial Calibration

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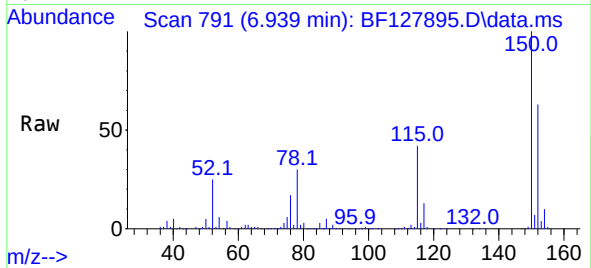
Reviewed By :Christian Giraldo 04/27/2022
Supervised By :Jagrut Upadhyay 04/28/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.939 min Scan# 791
Delta R.T. -0.006 min
Lab File: BF127895.D
Acq: 25 Apr 2022 22:14

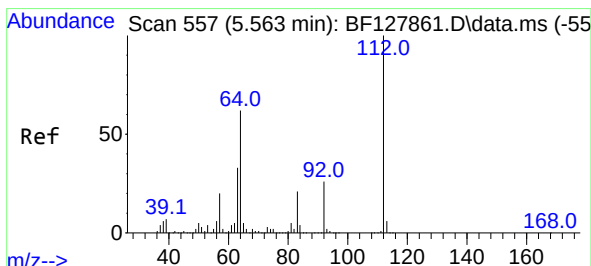
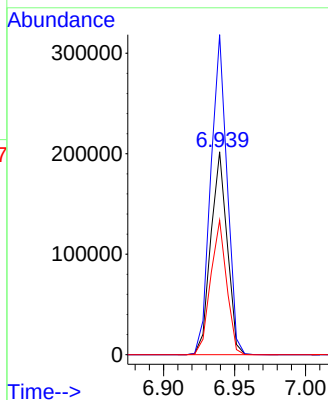
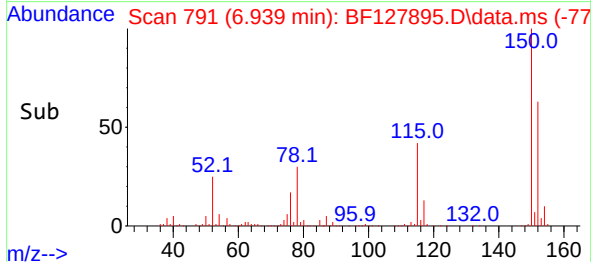
Instrument :
BNA_F
ClientSampleId :
E14ST-EB2-041822-0-5



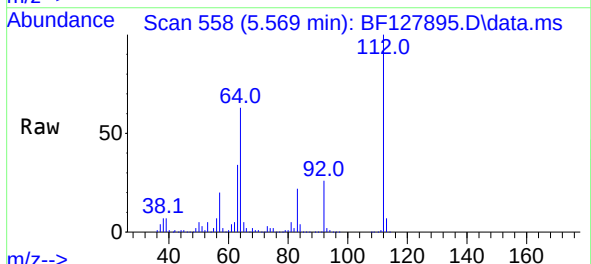
Tgt Ion:152 Resp: 161902
Ion Ratio Lower Upper
152 100
150 157.7 125.3 187.9
115 66.2 48.8 73.2

Manual Integrations
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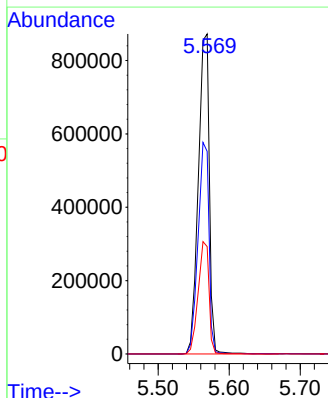
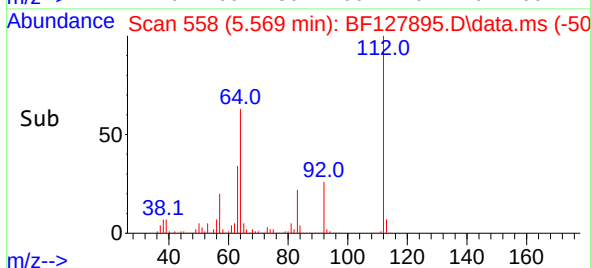
Reviewed By :Christian Giraldo 04/27/2022
Supervised By :Jagrut Upadhyay 04/28/2022

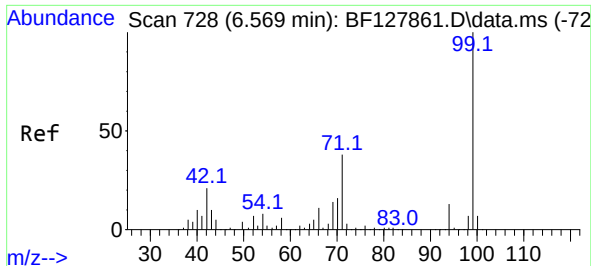


#5
2-Fluorophenol
Concen: 92.893 ng
RT: 5.569 min Scan# 558
Delta R.T. 0.006 min
Lab File: BF127895.D
Acq: 25 Apr 2022 22:14



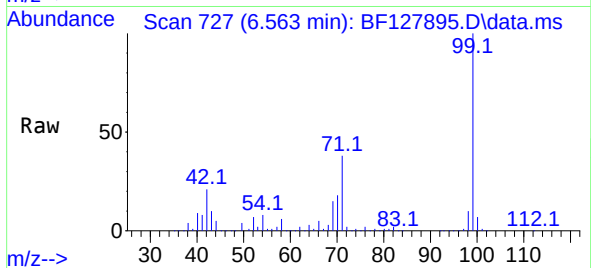
Tgt Ion:112 Resp: 944229
Ion Ratio Lower Upper
112 100
64 63.3 49.5 74.3
63 33.6 26.3 39.5





#7
Phenol-d6
Concen: 91.407 ng
RT: 6.563 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF127895.D
Acq: 25 Apr 2022 22:14

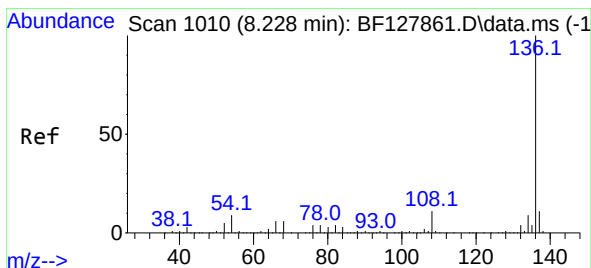
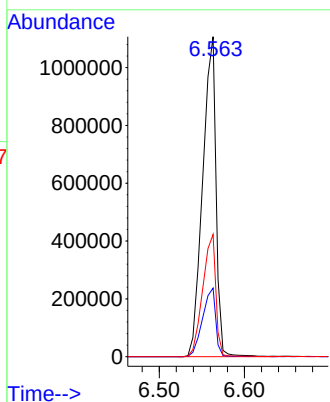
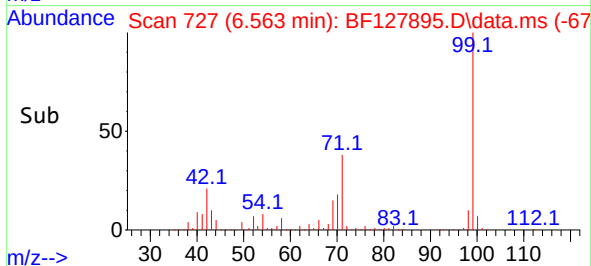
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Tgt Ion: 99 Resp: 120560
Ion Ratio Lower Upper
99 100
42 21.4 16.6 24.8
71 38.2 30.0 45.0

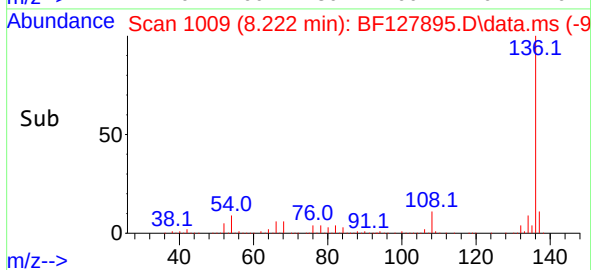
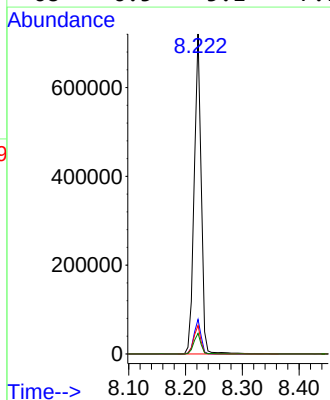
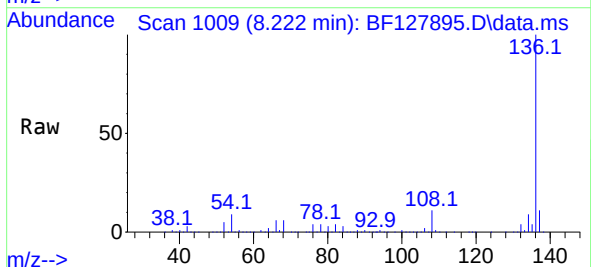
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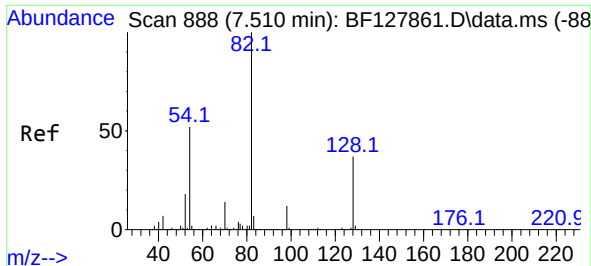
Reviewed By :Christian Giraldo 04/27/2022
Supervised By :Jagrut Upadhyay 04/28/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.222 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF127895.D
Acq: 25 Apr 2022 22:14

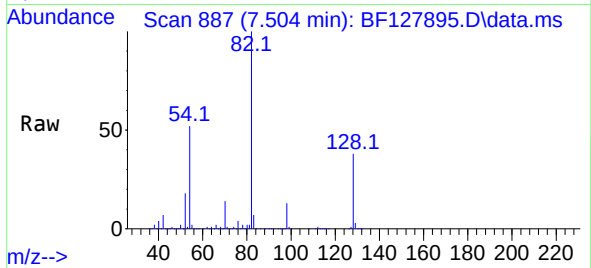
Tgt Ion:136 Resp: 625329
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 8.9 6.8 10.2
68 6.5 5.1 7.7





#23
Nitrobenzene-d5
Concen: 65.586 ng
RT: 7.504 min Scan# 88
Delta R.T. -0.006 min
Lab File: BF127895.D
Acq: 25 Apr 2022 22:14

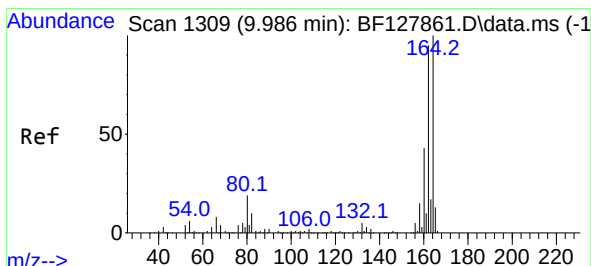
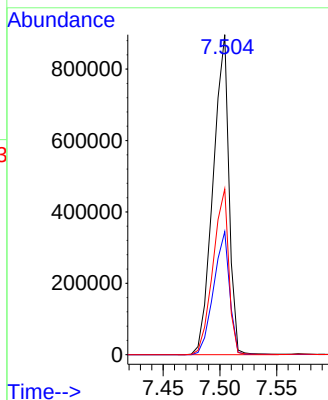
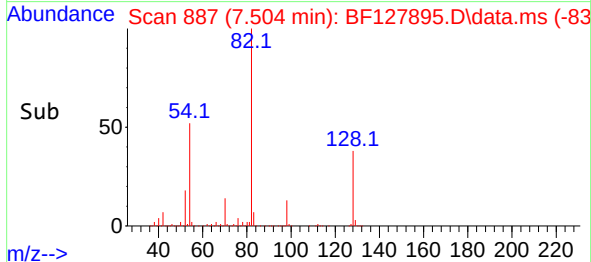
Instrument :
BNA_F
ClientSampleId :
E14ST-EB2-041822-0-5



Tgt Ion: 82 Resp: 87217
Ion Ratio Lower Upper
82 100
128 38.5 30.0 45.0
54 51.8 41.3 61.9

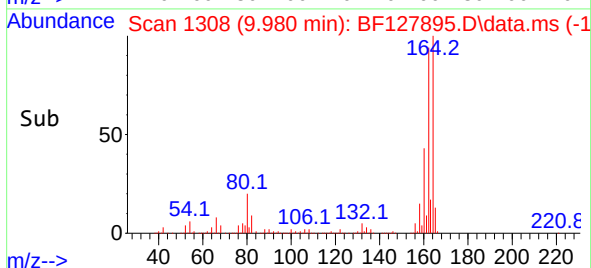
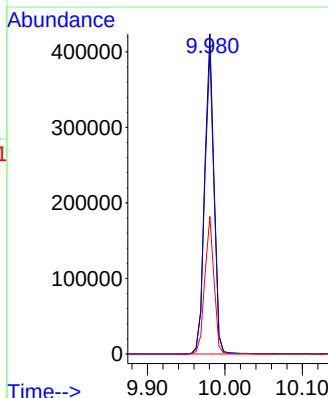
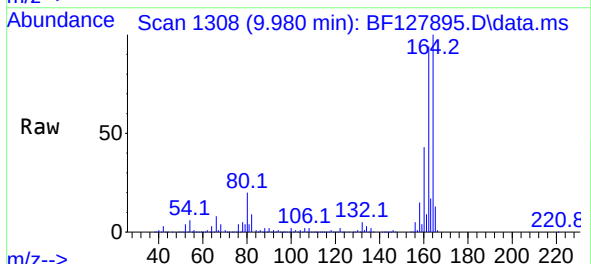
Manual Integrations
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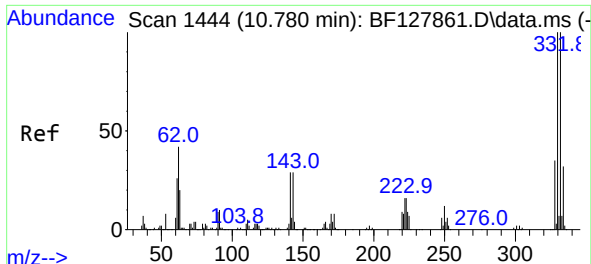
Reviewed By :Christian Giraldo 04/27/2022
Supervised By :Jagrut Upadhyay 04/28/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.980 min Scan# 1308
Delta R.T. -0.006 min
Lab File: BF127895.D
Acq: 25 Apr 2022 22:14

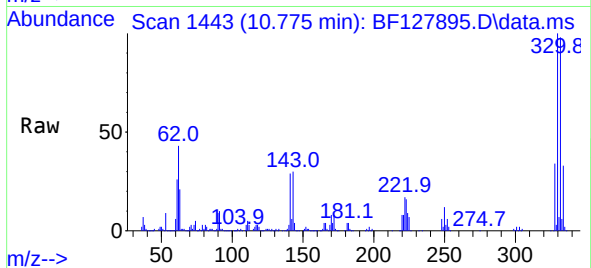
Tgt Ion:164 Resp: 351786
Ion Ratio Lower Upper
164 100
162 94.5 76.0 114.0
160 43.0 34.8 52.2





#42
2,4,6-Tribromophenol
Concen: 87.798 ng
RT: 10.775 min Scan# 1444
Delta R.T. -0.006 min
Lab File: BF127895.D
Acq: 25 Apr 2022 22:14

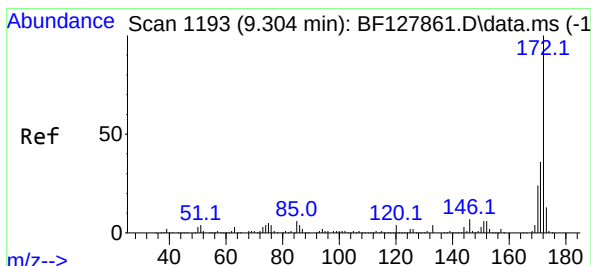
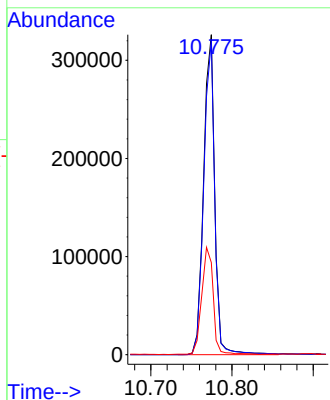
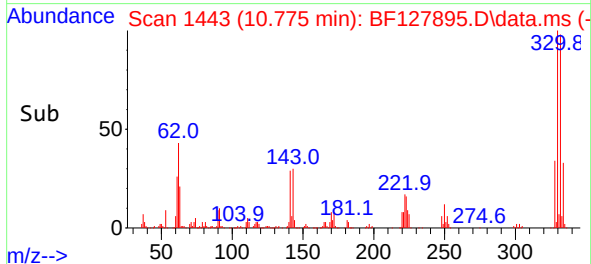
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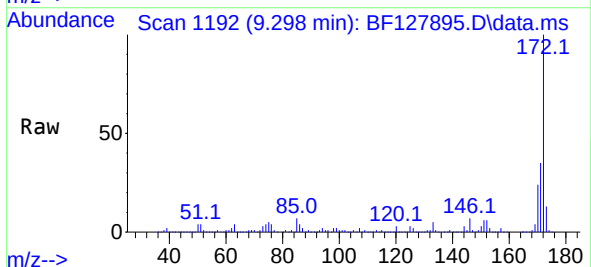
Tgt Ion: 330 Resp: 31092
Ion Ratio Lower Upper
330 100
332 96.9 79.0 118.4
141 34.6 28.9 43.3

Manual Integrations
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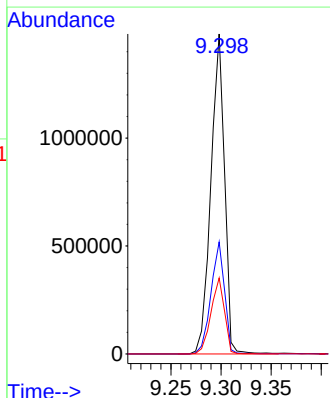
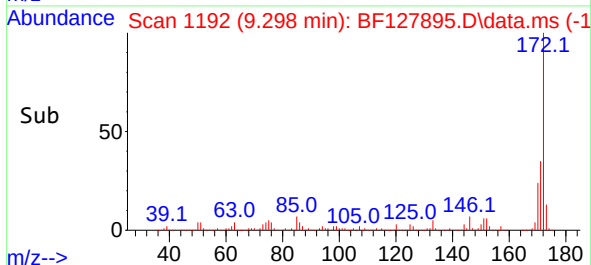
Reviewed By : Christian Giraldo 04/27/2022
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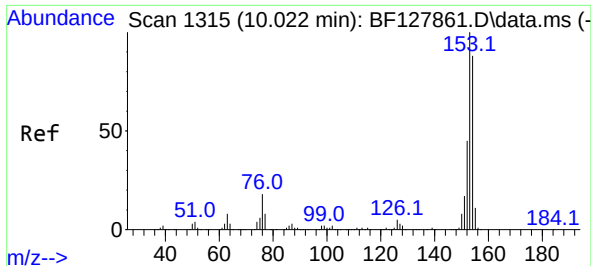


#45
2-Fluorobiphenyl
Concen: 67.701 ng
RT: 9.298 min Scan# 1192
Delta R.T. -0.006 min
Lab File: BF127895.D
Acq: 25 Apr 2022 22:14



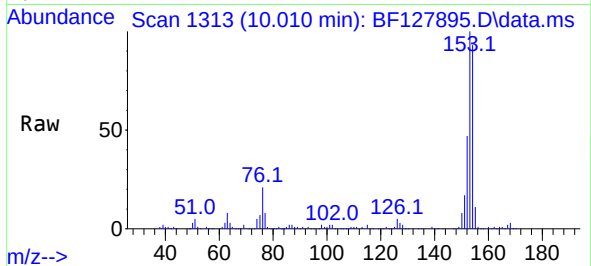
Tgt Ion: 172 Resp: 1407798
Ion Ratio Lower Upper
172 100
171 35.0 28.6 42.8
170 23.8 19.1 28.7





#52
Acenaphthene
Concen: 3.310 ng
RT: 10.010 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF127895.D
Acq: 25 Apr 2022 22:14

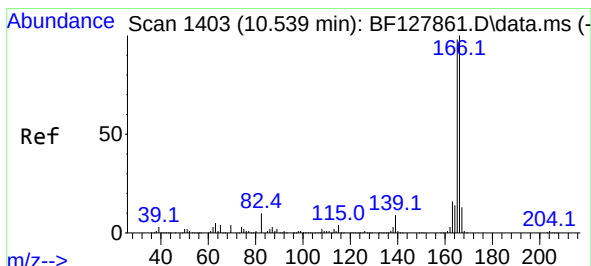
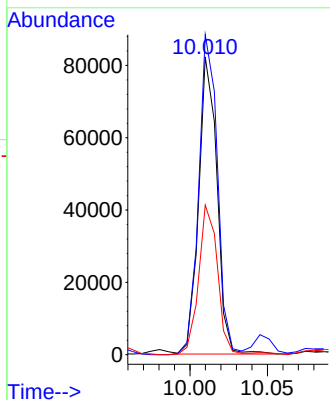
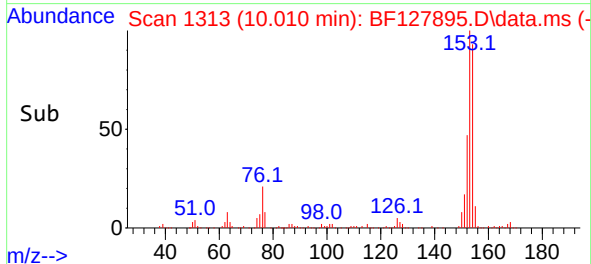
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E14ST-EB2-041822-0-5



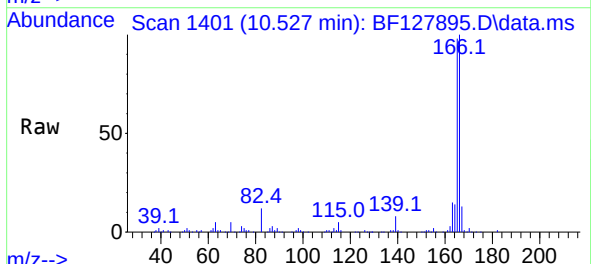
Tgt Ion:154 Resp: 6753
Ion Ratio Lower Upper
154 100
153 107.4 90.5 135.7
152 50.2 41.0 61.6

Manual Integrations
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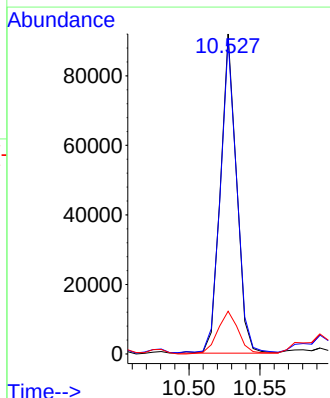
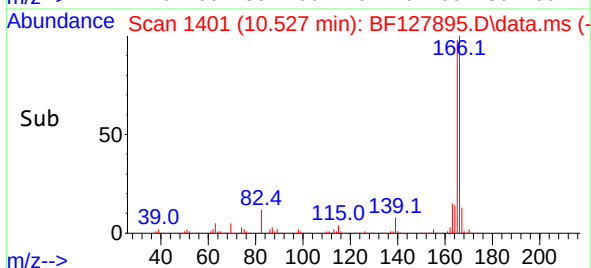
Reviewed By :Christian Giraldo 04/27/2022
Supervised By :Jagrut Upadhyay 04/28/2022

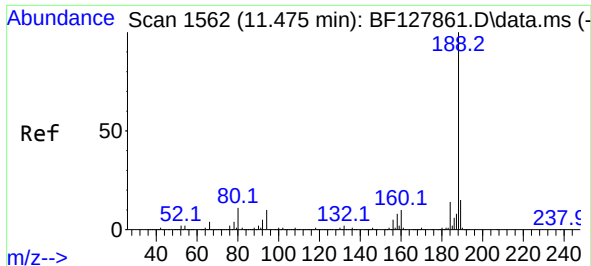


#58
Fluorene
Concen: 3.296 ng
RT: 10.527 min Scan# 1401
Delta R.T. -0.012 min
Lab File: BF127895.D
Acq: 25 Apr 2022 22:14



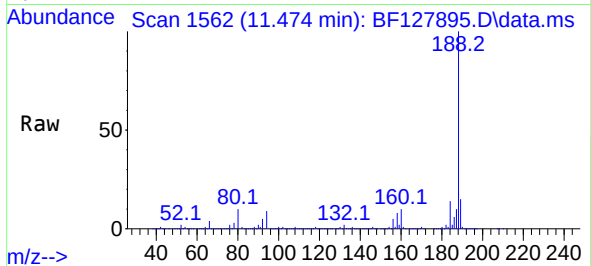
Tgt Ion:166 Resp: 72390
Ion Ratio Lower Upper
166 100
165 98.2 78.6 117.8
167 13.3 10.5 15.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.474 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF127895.D
Acq: 25 Apr 2022 22:14

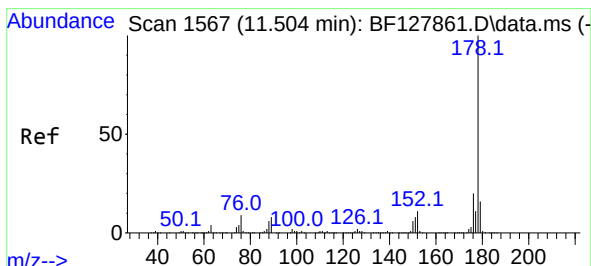
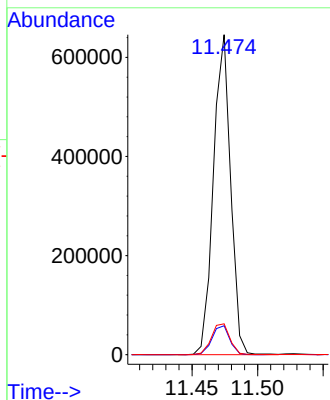
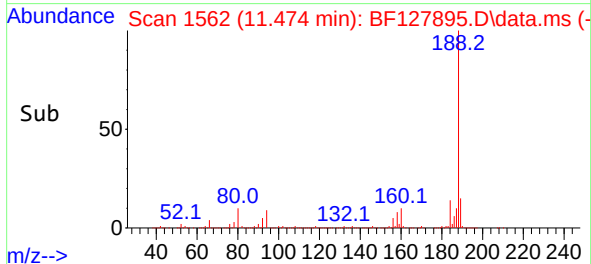
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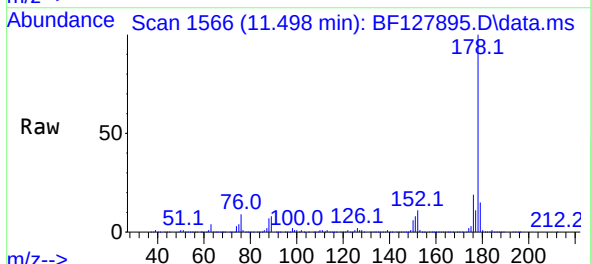
Tgt Ion:188 Resp: 58667
Ion Ratio Lower Upper
188 100
94 9.1 8.0 12.0
80 9.7 8.9 13.3

Manual Integrations
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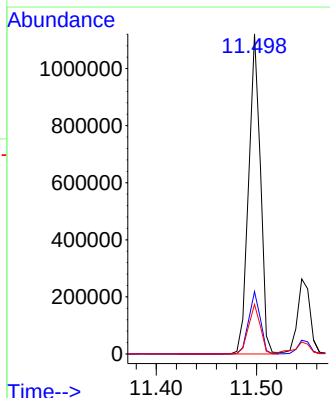
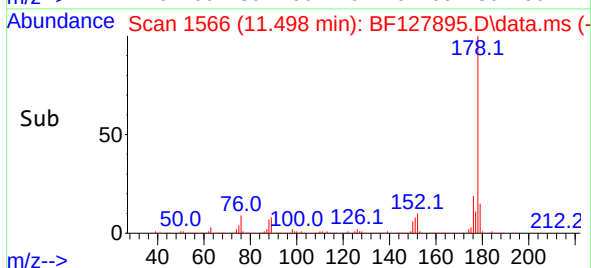
Reviewed By :Christian Giraldo 04/27/2022
Supervised By :Jagrut Upadhyay 04/28/2022

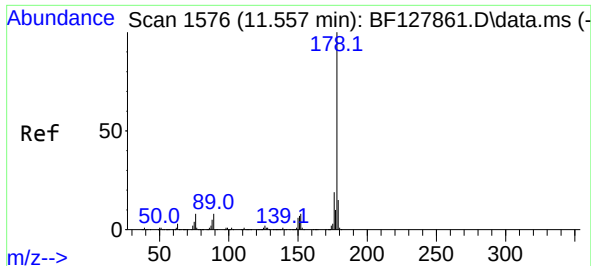


#71
Phenanthrene
Concen: 29.758 ng
RT: 11.498 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF127895.D
Acq: 25 Apr 2022 22:14



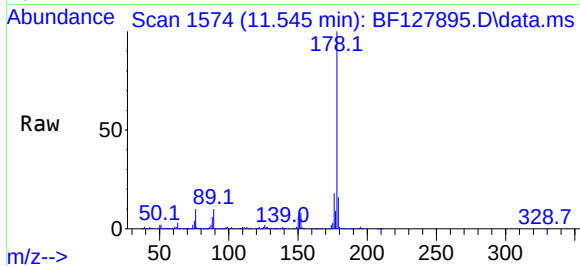
Tgt Ion:178 Resp: 913867
Ion Ratio Lower Upper
178 100
176 19.5 15.7 23.5
179 15.5 12.6 19.0





#72
 Anthracene
 Concen: 7.299 ng
 RT: 11.545 min Scan# 1574
 Delta R.T. -0.012 min
 Lab File: BF127895.D
 Acq: 25 Apr 2022 22:14

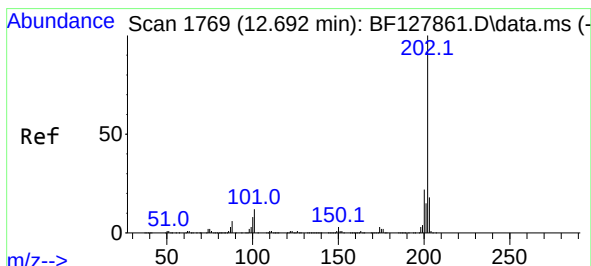
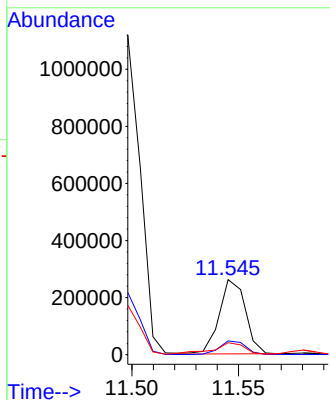
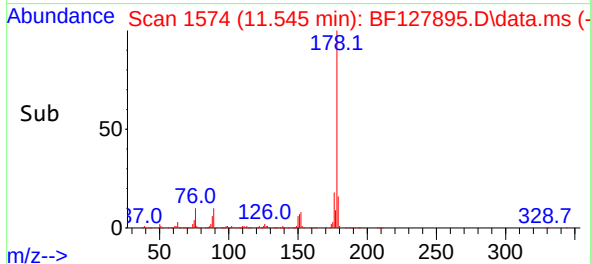
Instrument :
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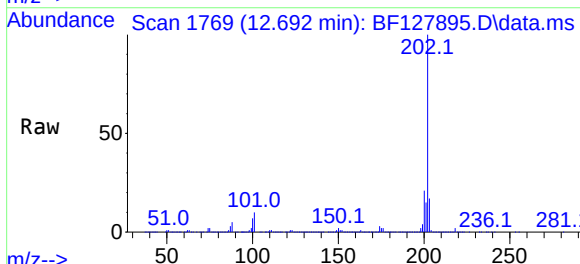
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 Ion Ratio Lower Upper
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 176 18.3 15.0 22.6
 179 16.1 12.4 18.6

Manual Integrations
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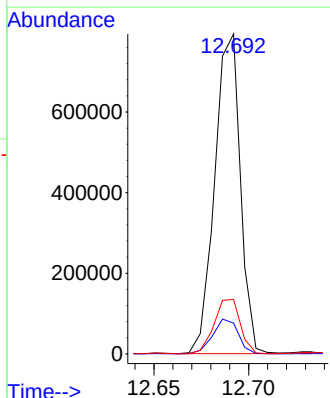
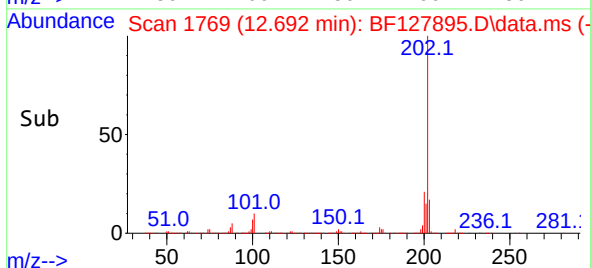
Reviewed By :Christian Giraldo 04/27/2022
 Supervised By :Jagrut Upadhyay 04/28/2022

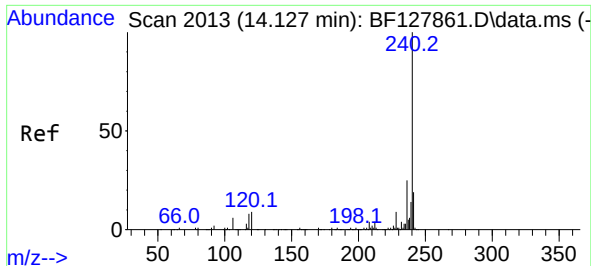


#75
 Fluoranthene
 Concen: 23.111 ng
 RT: 12.692 min Scan# 1769
 Delta R.T. -0.000 min
 Lab File: BF127895.D
 Acq: 25 Apr 2022 22:14



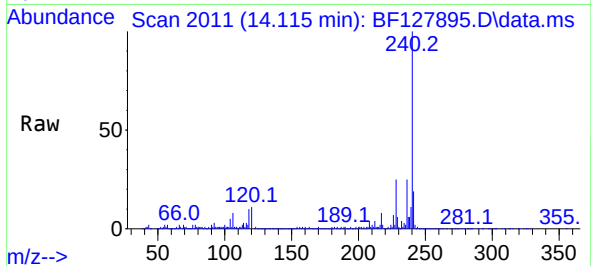
Tgt Ion:202 Resp: 746962
 Ion Ratio Lower Upper
 202 100
 101 9.6 0.0 31.6
 203 17.0 0.0 38.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.115 min Scan# 2013
Delta R.T. -0.012 min
Lab File: BF127895.D
Acq: 25 Apr 2022 22:14

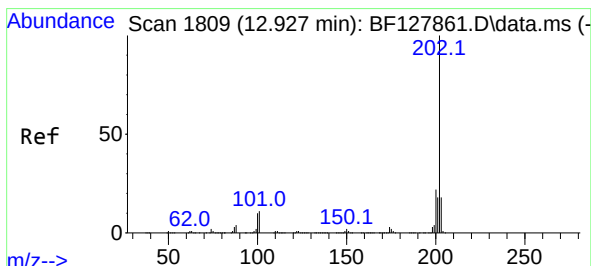
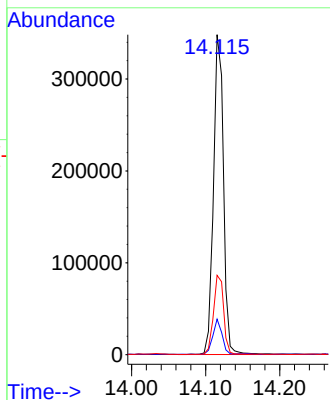
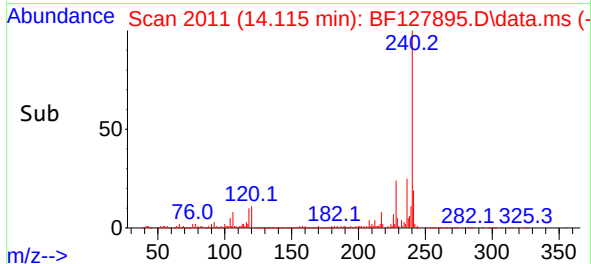
Instrument :
BNA_F
ClientSampleId :
E14ST-EB2-041822-0-5



Tgt Ion:240 Resp: 325517
Ion Ratio Lower Upper
240 100
120 11.1 7.0 10.6
236 24.8 20.3 30.5

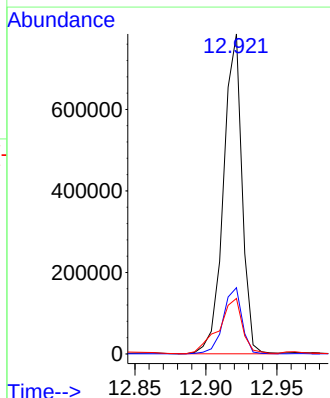
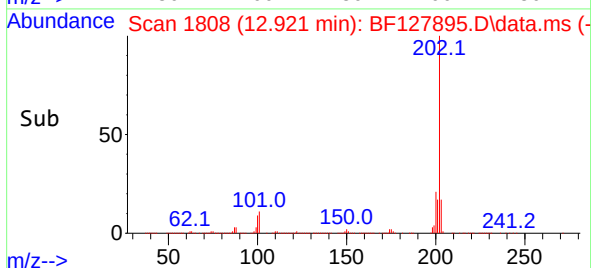
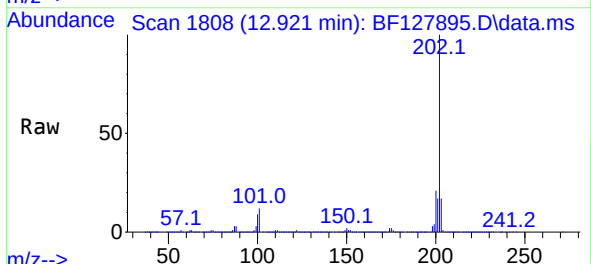
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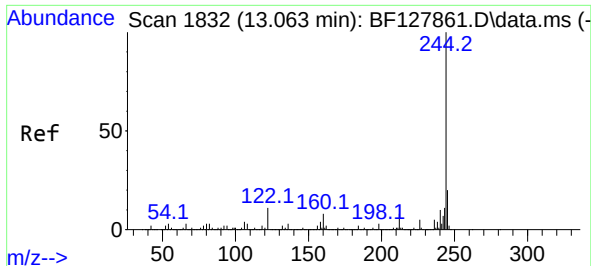
Reviewed By :Christian Giraldo 04/27/2022
Supervised By :Jagrut Upadhyay 04/28/2022



#78
Pyrene
Concen: 27.108 ng
RT: 12.921 min Scan# 1808
Delta R.T. -0.006 min
Lab File: BF127895.D
Acq: 25 Apr 2022 22:14

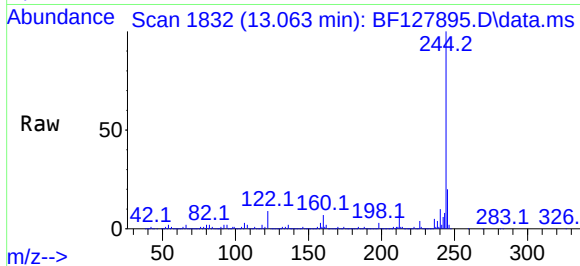
Tgt Ion:202 Resp: 712317
Ion Ratio Lower Upper
202 100
200 20.7 17.4 26.2
203 17.4 14.0 21.0





#79
 Terphenyl-d14
 Concen: 68.936 ng
 RT: 13.063 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF127895.D
 Acq: 25 Apr 2022 22:14

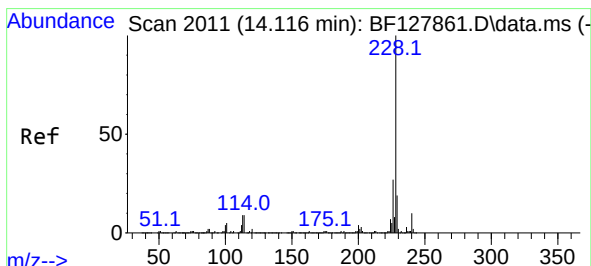
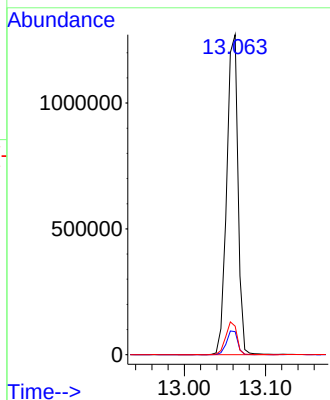
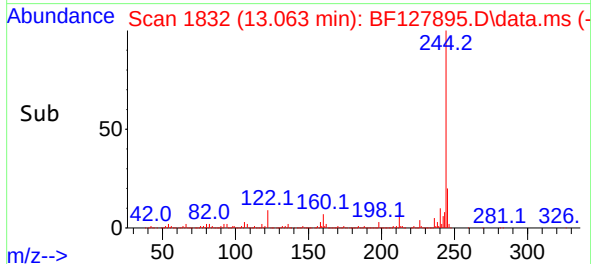
Instrument :
 BNA_F
 ClientSampleId :
 E14ST-EB2-041822-0-5



Tgt Ion:244 Resp: 1227180
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.2 9.4
 122 8.9 8.6 12.8

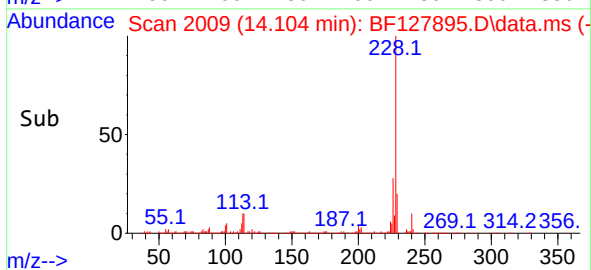
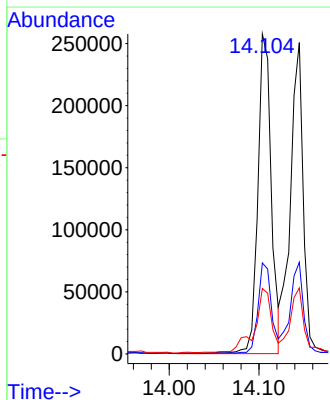
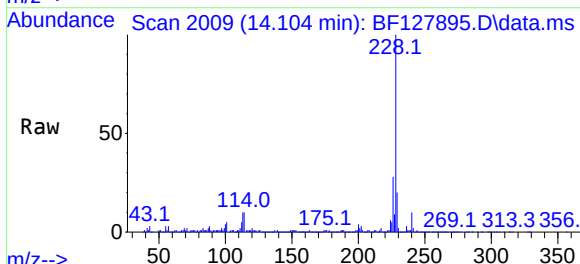
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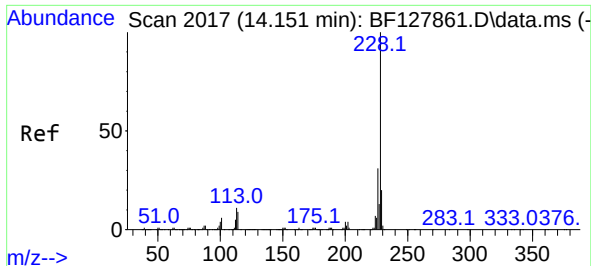
Reviewed By :Christian Giraldo 04/27/2022
 Supervised By :Jagrut Upadhyay 04/28/2022



#81
 Benzo(a)anthracene
 Concen: 12.338 ng
 RT: 14.104 min Scan# 2009
 Delta R.T. -0.012 min
 Lab File: BF127895.D
 Acq: 25 Apr 2022 22:14

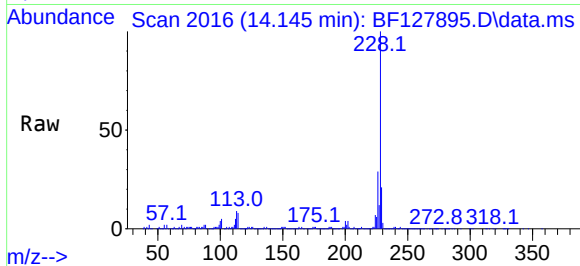
Tgt Ion:228 Resp: 267687
 Ion Ratio Lower Upper
 228 100
 226 28.5 21.7 32.5
 229 20.5 15.4 23.2





#83
Chrysene
Concen: 12.010 ng
RT: 14.145 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF127895.D
Acq: 25 Apr 2022 22:14

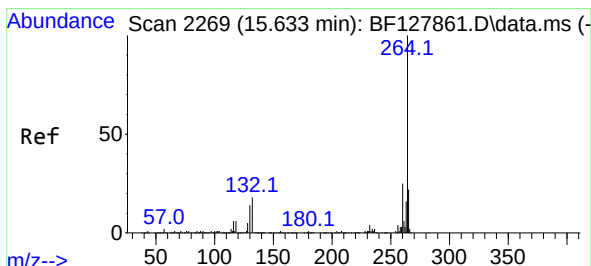
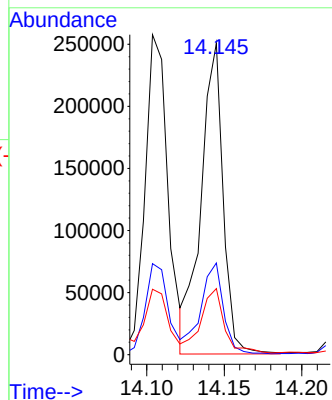
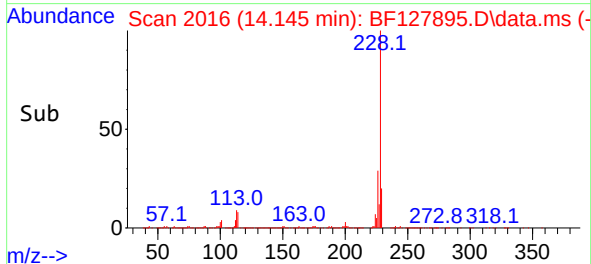
Instrument :
BNA_F
ClientSampleId :
E14ST-EB2-041822-0-5



Tgt Ion:228 Resp: 248858
Ion Ratio Lower Upper
228 100
226 29.4 24.4 36.6
229 21.2 15.8 23.8

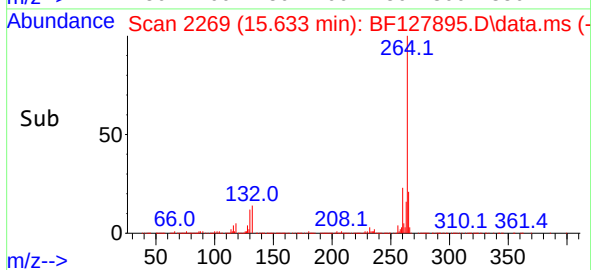
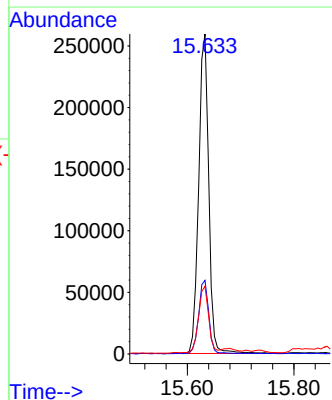
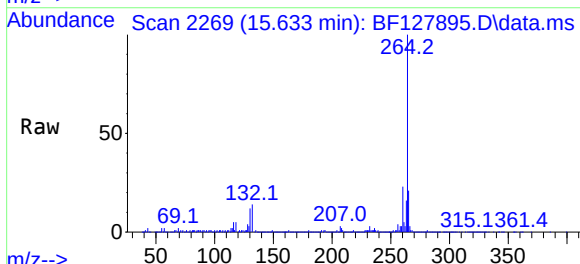
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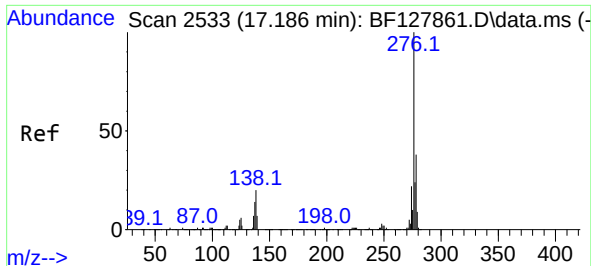
Reviewed By :Christian Giraldo 04/27/2022
Supervised By :Jagrut Upadhyay 04/28/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 2269
Delta R.T. -0.000 min
Lab File: BF127895.D
Acq: 25 Apr 2022 22:14

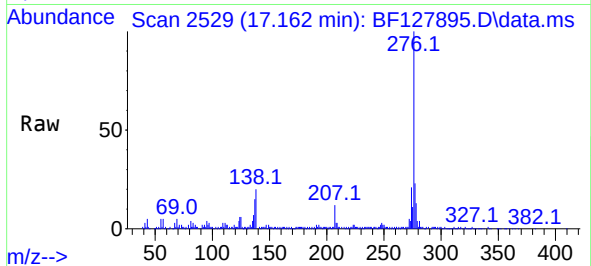
Tgt Ion:264 Resp: 338672
Ion Ratio Lower Upper
264 100
260 23.0 20.1 30.1
265 21.1 17.5 26.3





#87
Indeno(1,2,3-cd)pyrene
Concen: 5.354 ng
RT: 17.162 min Scan# 2110
Delta R.T. -0.024 min
Lab File: BF127895.D
Acq: 25 Apr 2022 22:14

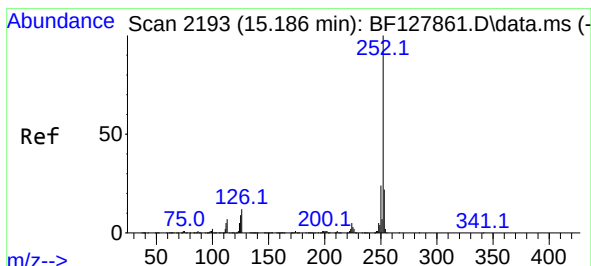
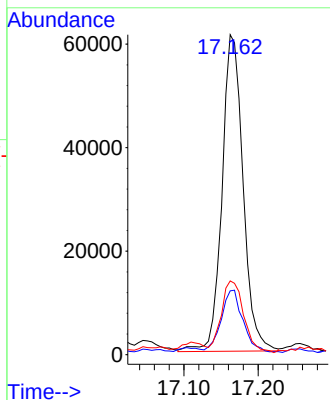
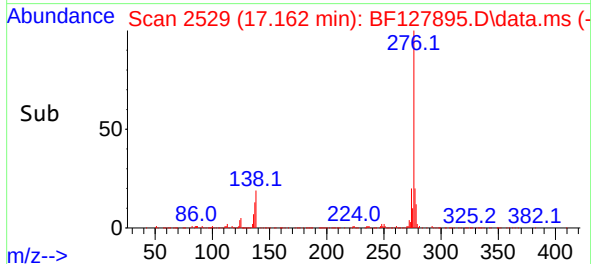
Instrument :
BNA_F
ClientSampleId :
E14ST-EB2-041822-0-5



Tgt Ion: 276 Resp: 12103
Ion Ratio Lower Upper
276 100
138 20.4 19.0 28.4
277 24.0 20.1 30.1

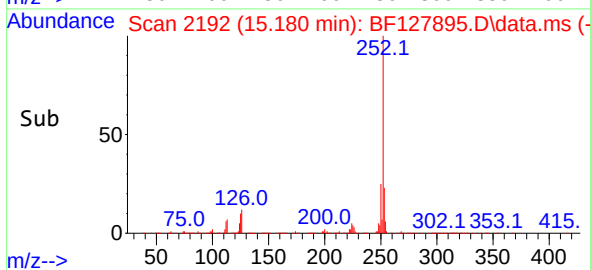
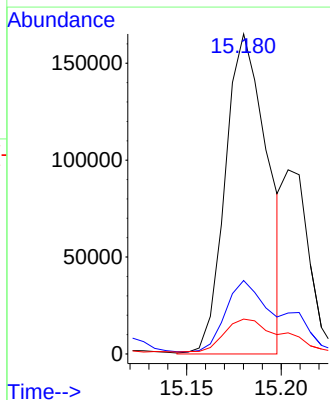
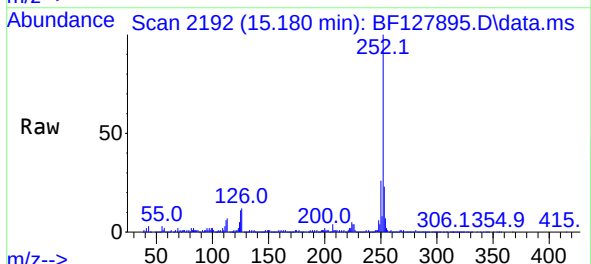
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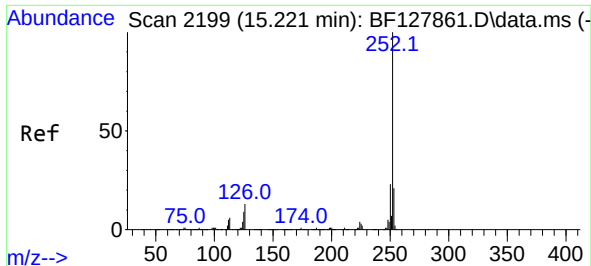
Reviewed By : Christian Giraldo 04/27/2022
Supervised By : Jagrut Upadhyay 04/28/2022



#88
Benzo(b)fluoranthene
Concen: 12.023 ng m
RT: 15.180 min Scan# 2192
Delta R.T. -0.006 min
Lab File: BF127895.D
Acq: 25 Apr 2022 22:14

Tgt Ion: 252 Resp: 255748
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.2
125 10.9 7.4 11.2





#89

Benzo(k)fluoranthene

Concen: 4.124 ng m

RT: 15.204 min Scan# 2199

Delta R.T. -0.018 min

Lab File: BF127895.D

Acq: 25 Apr 2022 22:14

Instrument :

BNA_F

ClientSampleId :

E14ST-EB2-041822-0-5

Tgt Ion:252 Resp: 88374

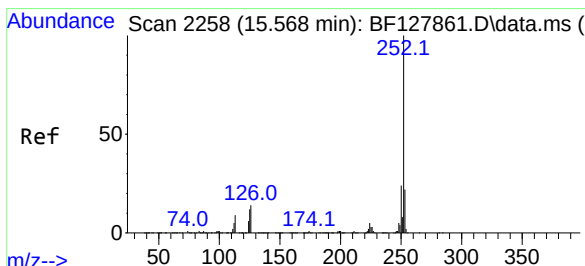
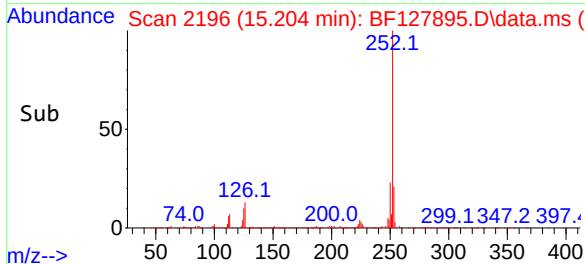
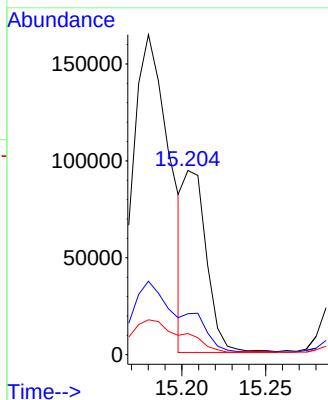
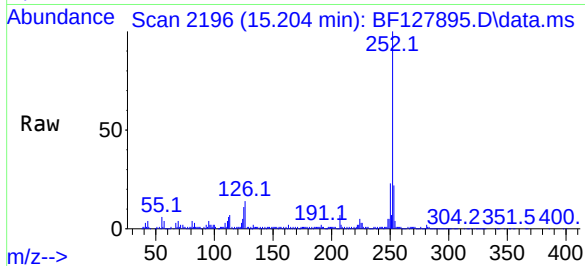
Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.0	25.4
125	11.5	6.8	10.2

Manual Integrations

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Reviewed By :Christian Giraldo 04/27/2022

Supervised By :Jagrut Upadhyay 04/28/2022



#90

Benzo(a)pyrene

Concen: 11.701 ng

RT: 15.562 min Scan# 2257

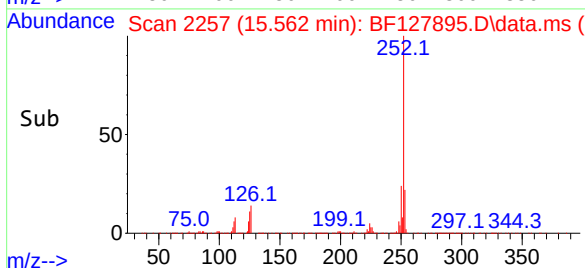
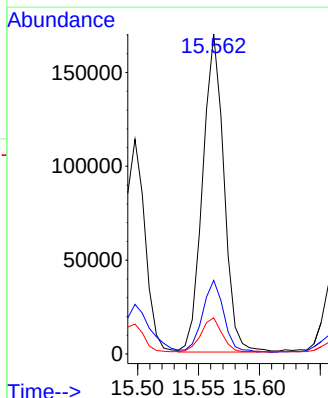
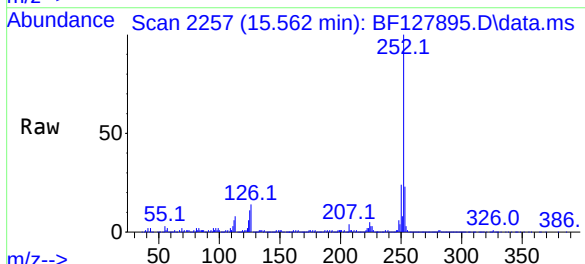
Delta R.T. -0.006 min

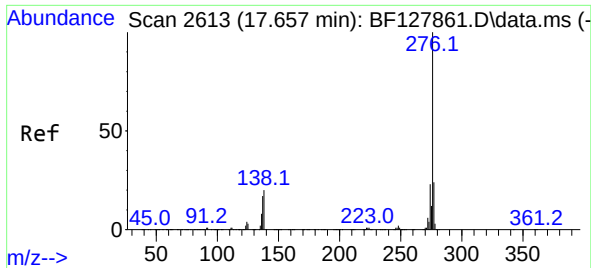
Lab File: BF127895.D

Acq: 25 Apr 2022 22:14

Tgt Ion:252 Resp: 206451

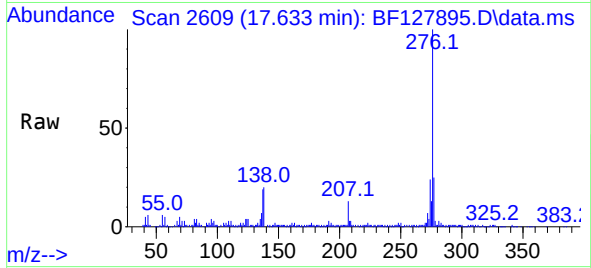
Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.6
125	11.3	9.2	13.8





#92
 Benzo(g,h,i)perylene
 Concen: 6.047 ng
 RT: 17.633 min Scan# 20
 Delta R.T. -0.024 min
 Lab File: BF127895.D
 Acq: 25 Apr 2022 22:14

Instrument :
 BNA_F
 ClientSampleId :
 E14ST-EB2-041822-0-5



Tgt Ion:276 Resp: 11553
 Ion Ratio Lower Upper
 276 100
 277 25.0 18.8 28.2
 138 19.9 16.2 24.2

Manual Integrations
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Reviewed By :Christian Giraldo 04/27/2022
 Supervised By :Jagrut Upadhyay 04/28/2022

