

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022822\
 Data File : BF127107.D
 Acq On : 28 Feb 2022 18:42
 Operator : CG\JU
 Sample : N1664-07
 Misc :
 ALS Vial : 19 Sample Multiplier: 2

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

Quant Time: Mar 01 01:40:09 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 24 02:10:57 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 03/01/2022
 Supervised By : Jagrut Upadhyay 03/01/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	221425	40.000	ng	0.00
21) Naphthalene-d8	8.186	136	874091	40.000	ng	# 0.00
39) Acenaphthene-d10	9.945	164	425590	40.000	ng	0.00
64) Phenanthrene-d10	11.433	188	615435	40.000	ng	-0.01
76) Chrysene-d12	14.086	240	370892	40.000	ng	# 0.00
86) Perylene-d12	15.586	264	353924	40.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	495006	69.104	ng	0.00
7) Phenol-d6	6.528	99	638634	66.072	ng	-0.01
23) Nitrobenzene-d5	7.463	82	448245	46.294	ng	-0.01
42) 2,4,6-Tribromophenol	10.733	330	152157	62.104	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	701942	48.562	ng	-0.01
79) Terphenyl-d14	13.021	244	502668	39.847	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.975	154	29399	2.226	ng	94
58) Fluorene	10.486	166	35652	2.520	ng	98
71) Phenanthrene	11.463	178	1095595	63.610	ng	99
72) Anthracene	11.510	178	209705	12.230	ng	98
73) Carbazole	11.663	167	101592	6.461	ng	97
75) Fluoranthene	12.657	202	1403576	85.826	ng	95
78) Pyrene	12.886	202	1137594	70.609	ng	99
81) Benzo(a)anthracene	14.074	228	638169	51.045	ng	99
83) Chrysene	14.110	228	527359	44.857	ng	97
87) Indeno(1,2,3-cd)pyrene	17.103	276	223706	19.279	ng	# 82
88) Benzo(b)fluoranthene	15.145	252	719094m	60.502	ng	
89) Benzo(k)fluoranthene	15.168	252	187878m	16.389	ng	
90) Benzo(a)pyrene	15.521	252	412582m	44.441	ng	
91) Dibenzo(a,h)anthracene	17.109	278	60394m	6.293	ng	
92) Benzo(g,h,i)perylene	17.568	276	190061	20.089	ng	# 86

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

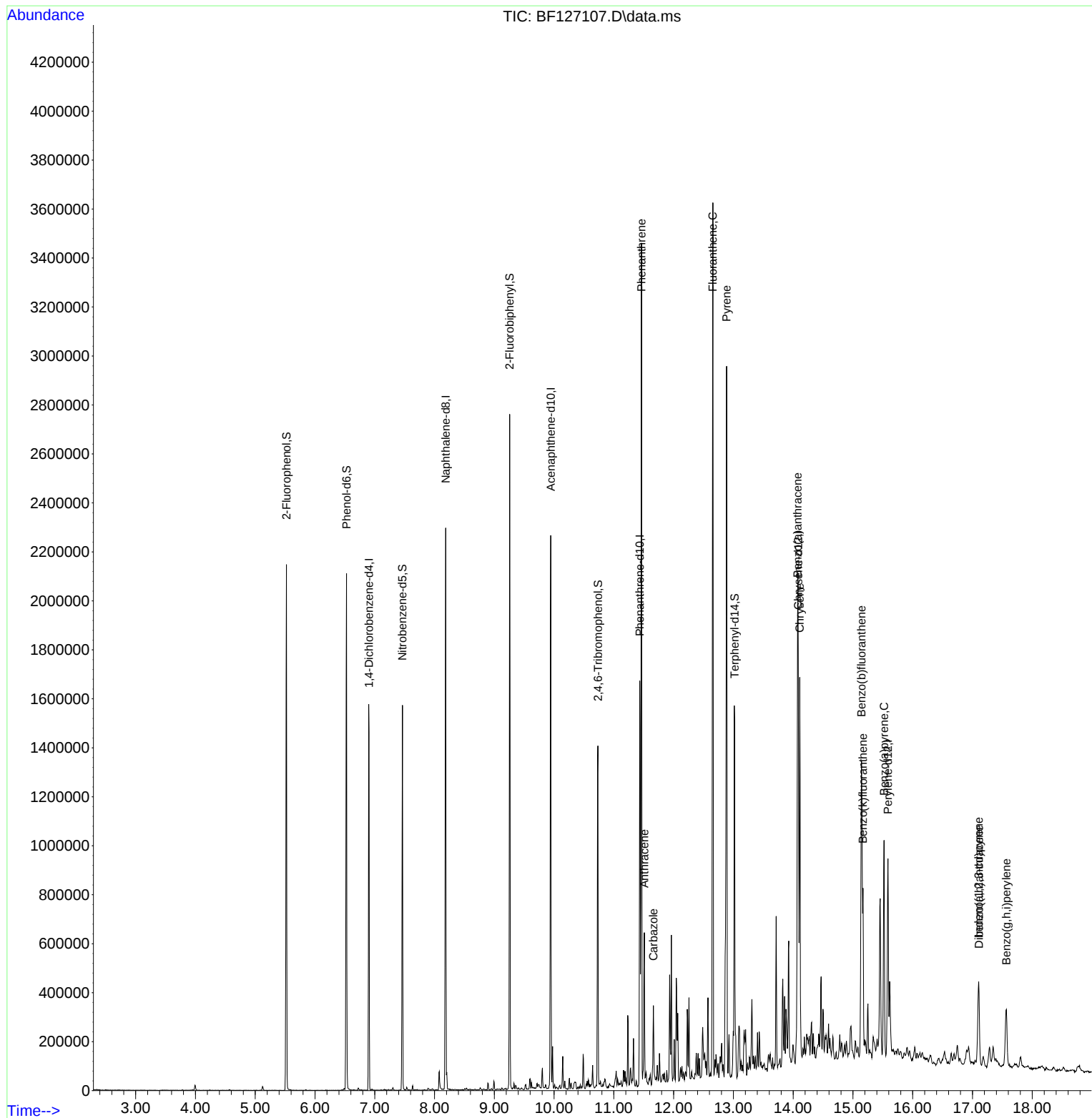
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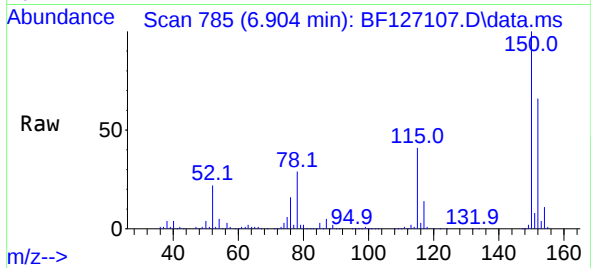
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#1
1,4-Dichlorobenzene-d4
Concen: 40.000 ng
RT: 6.904 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF127107.D
Acq: 28 Feb 2022 18:42

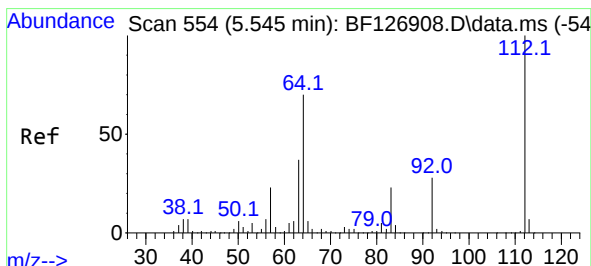
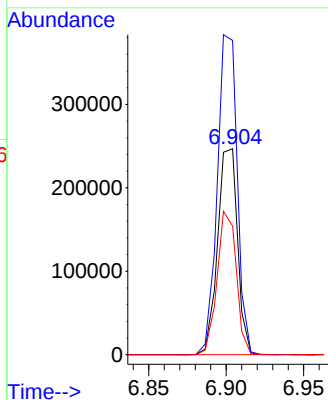
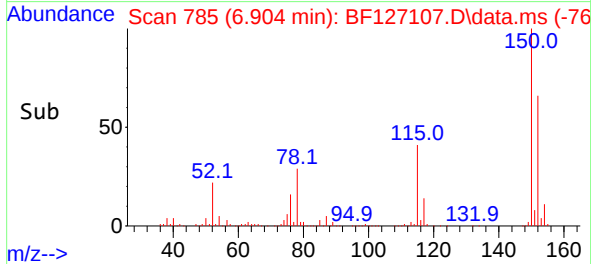
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BNA_F
ClientSampleId :
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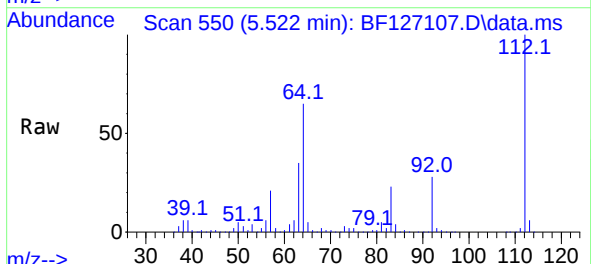
Tgt Ion:152 Resp: 221425
Ion Ratio Lower Upper
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150 152.5 128.1 192.1
115 62.5 56.7 85.1

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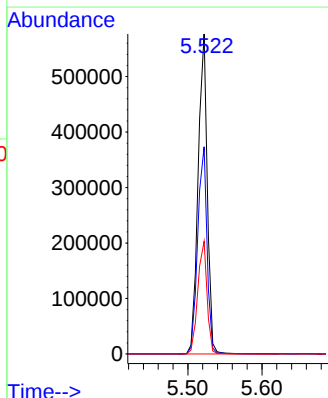
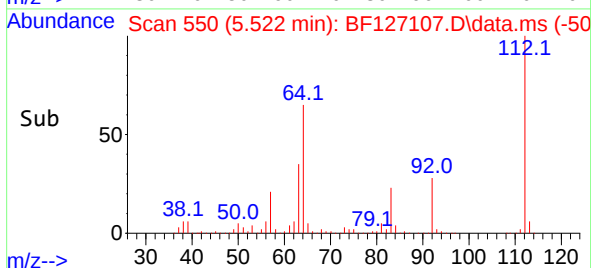
Reviewed By :Christian Giraldo 03/01/2022
Supervised By :Jagrut Upadhyay 03/01/2022

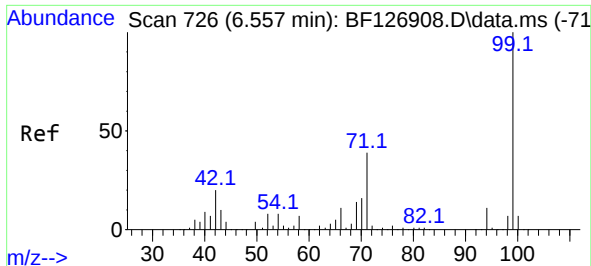


#5
2-Fluorophenol
Concen: 69.104 ng
RT: 5.522 min Scan# 550
Delta R.T. -0.006 min
Lab File: BF127107.D
Acq: 28 Feb 2022 18:42



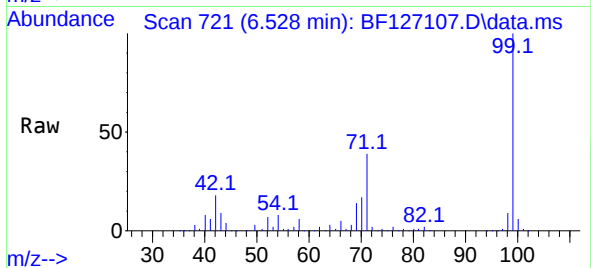
Tgt Ion:112 Resp: 495006
Ion Ratio Lower Upper
112 100
64 64.8 49.5 74.3
63 35.2 23.9 35.9





#7
Phenol-d6
Concen: 66.072 ng
RT: 6.528 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF127107.D
Acq: 28 Feb 2022 18:42

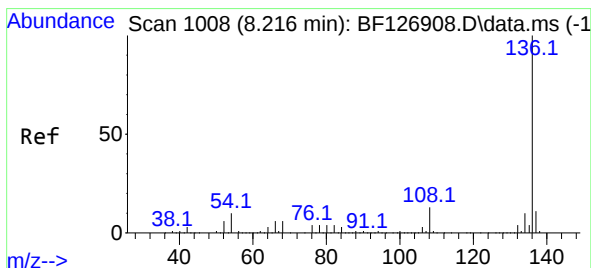
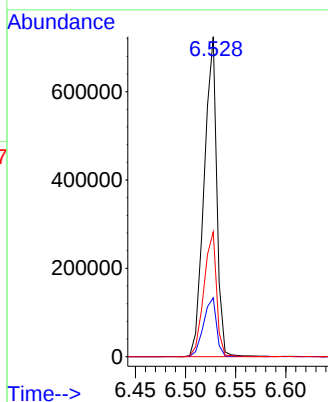
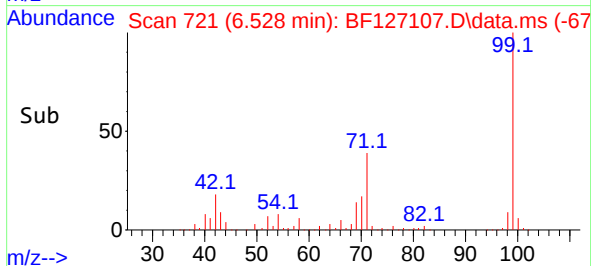
Instrument :
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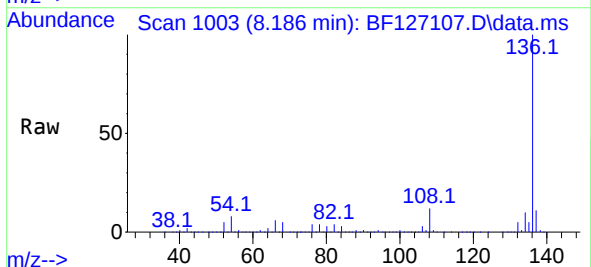
Tgt Ion: 99 Resp: 638634
Ion Ratio Lower Upper
99 100
42 18.4 14.2 21.4
71 39.0 24.3 36.5

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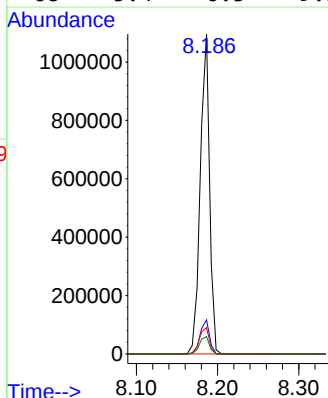
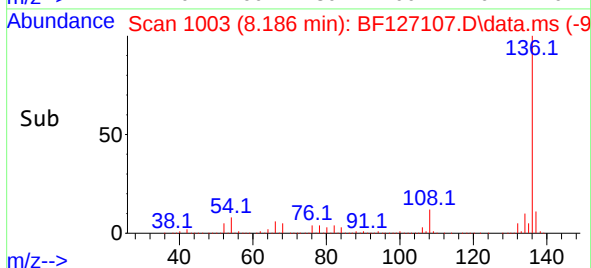
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Supervised By :Jagrut Upadhyay 03/01/2022

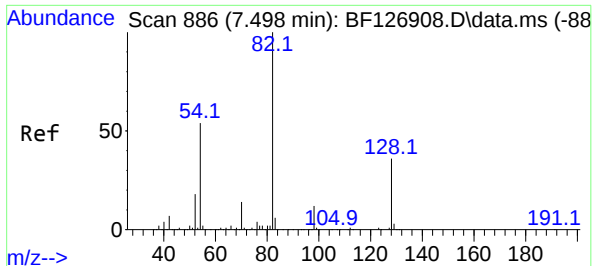


#21
Naphthalene-d8
Concen: 40.000 ng
RT: 8.186 min Scan# 1003
Delta R.T. -0.006 min
Lab File: BF127107.D
Acq: 28 Feb 2022 18:42



Tgt Ion:136 Resp: 874091
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 8.2 7.8 11.6
68 5.4 6.3 9.5





#23

Nitrobenzene-d5

Concen: 46.294 ng

RT: 7.463 min Scan# 80

Delta R.T. -0.012 min

Lab File: BF127107.D

Acq: 28 Feb 2022 18:42

Instrument :

BNA_F

ClientSampleId :

TP-3

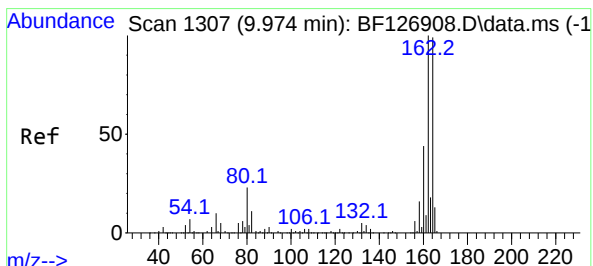
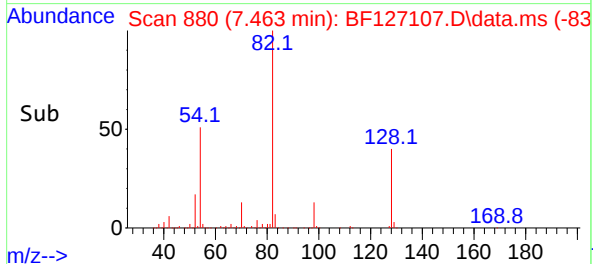
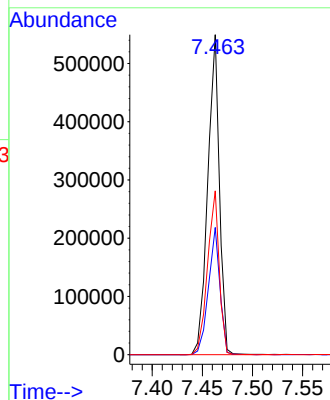
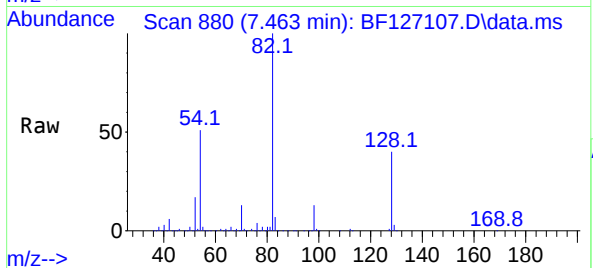
Tgt Ion: 82 Resp: 448245

Ion	Ratio	Lower	Upper
82	100		
128	39.8	32.7	49.1
54	51.2	41.7	62.5

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#39

Acenaphthene-d10

Concen: 40.000 ng

RT: 9.945 min Scan# 1302

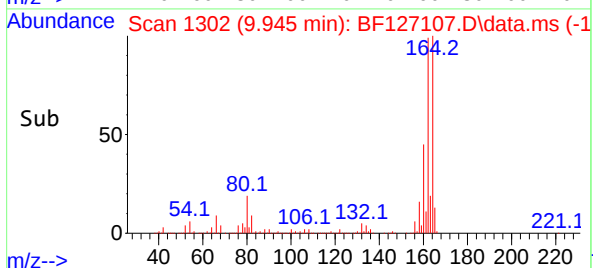
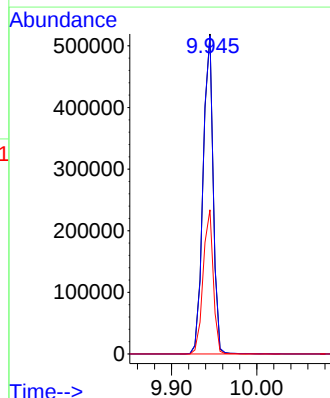
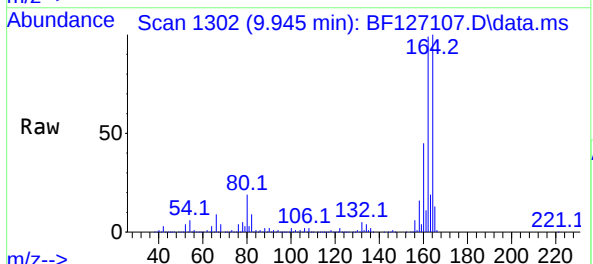
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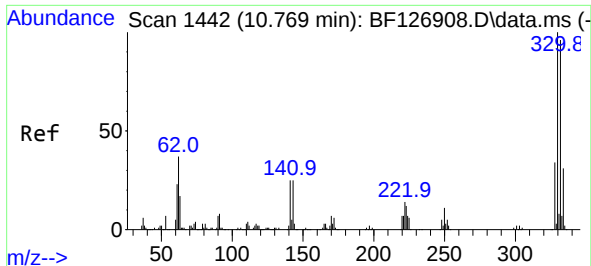
Lab File: BF127107.D

Acq: 28 Feb 2022 18:42

Tgt Ion:164 Resp: 425590

Ion	Ratio	Lower	Upper
164	100		
162	99.4	81.4	122.0
160	45.0	36.6	54.8





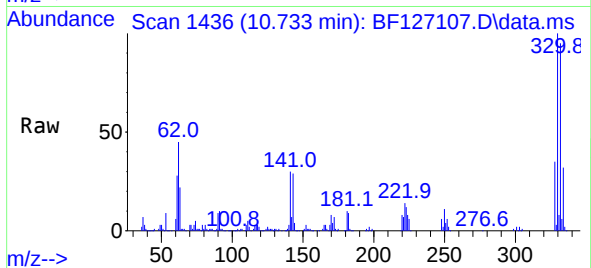
#42
2,4,6-Tribromophenol
Concen: 62.104 ng
RT: 10.733 min Scan# 1442
Delta R.T. -0.012 min
Lab File: BF127107.D
Acq: 28 Feb 2022 18:42

Instrument :

BNA_F

ClientSampleId :

TP-3

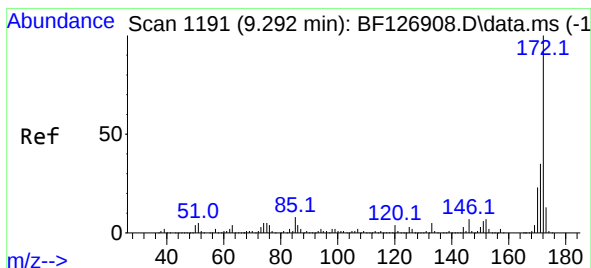
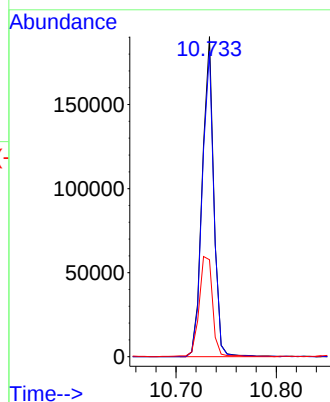
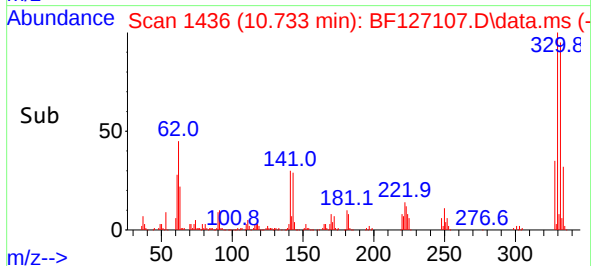


Tgt Ion:330 Resp: 15215
Ion Ratio Lower Upper
330 100
332 96.3 76.0 114.0
141 36.8 30.1 45.1

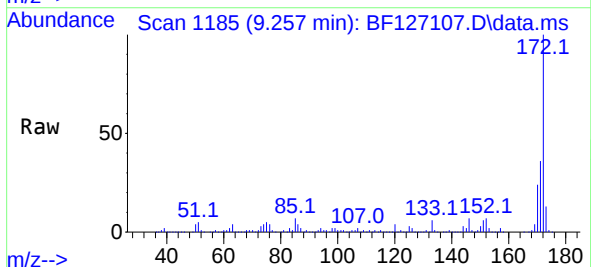
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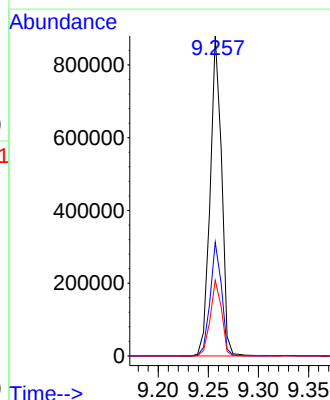
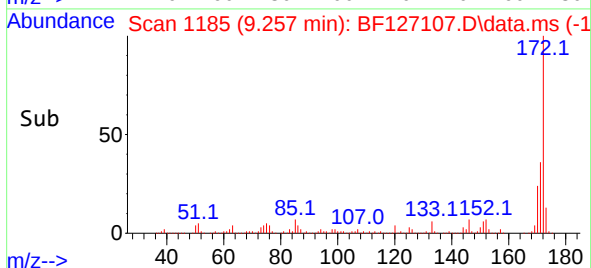
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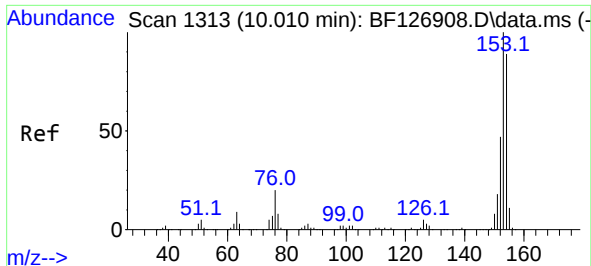


#45
2-Fluorobiphenyl
Concen: 48.562 ng
RT: 9.257 min Scan# 1185
Delta R.T. -0.012 min
Lab File: BF127107.D
Acq: 28 Feb 2022 18:42



Tgt Ion:172 Resp: 701942
Ion Ratio Lower Upper
172 100
171 35.5 28.3 42.5
170 23.6 19.0 28.6





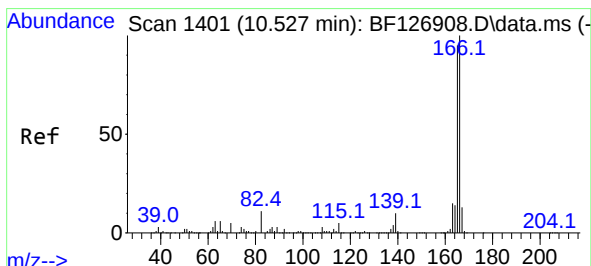
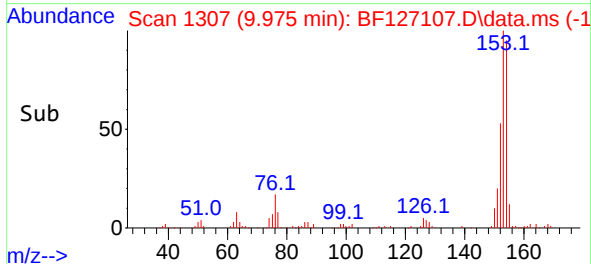
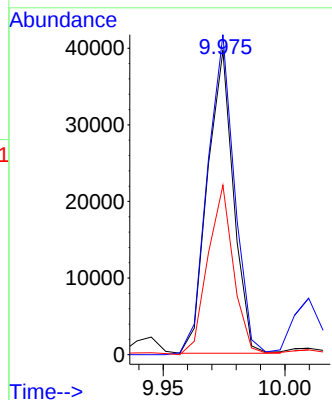
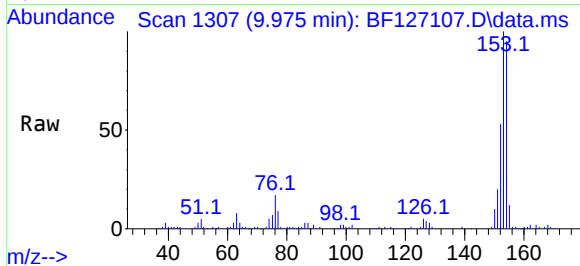
#52
Acenaphthene
Concen: 2.226 ng
RT: 9.975 min Scan# 1139
Delta R.T. -0.012 min
Lab File: BF127107.D
Acq: 28 Feb 2022 18:42

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:154 Resp: 2939
Ion Ratio Lower Upper
154 100
153 105.2 87.8 131.6
152 55.7 39.4 59.2

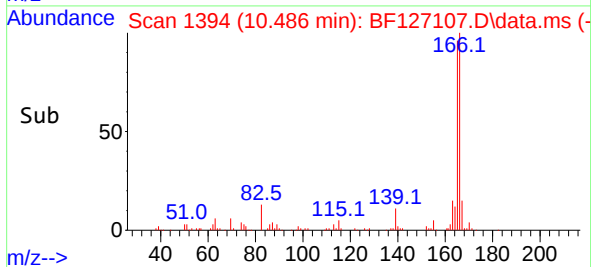
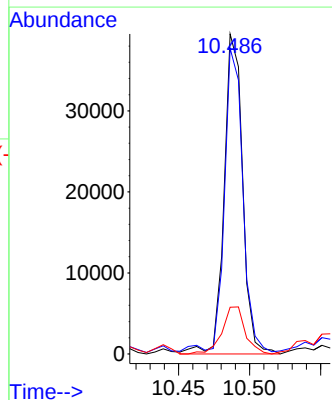
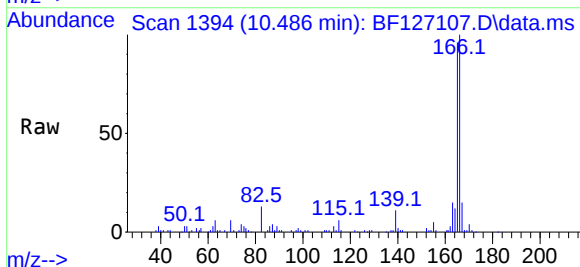
Manual Integrations
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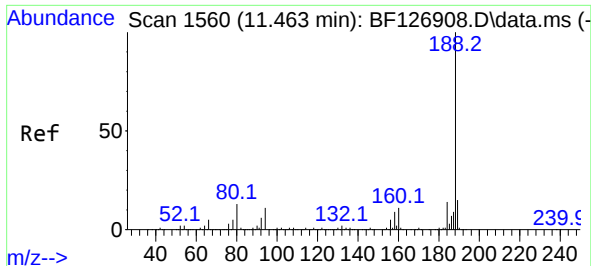
Reviewed By :Christian Giraldo 03/01/2022
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#58
Fluorene
Concen: 2.520 ng
RT: 10.486 min Scan# 1394
Delta R.T. -0.018 min
Lab File: BF127107.D
Acq: 28 Feb 2022 18:42

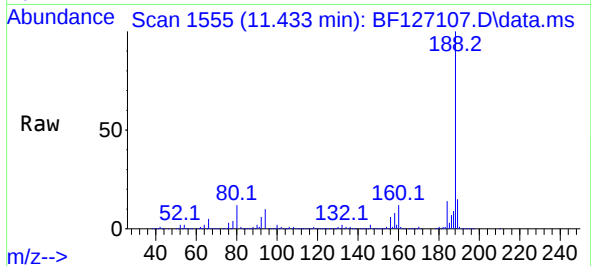
Tgt Ion:166 Resp: 35652
Ion Ratio Lower Upper
166 100
165 95.5 77.7 116.5
167 14.6 10.7 16.1





#64
Phenanthrene-d10
Concen: 40.000 ng
RT: 11.433 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF127107.D
Acq: 28 Feb 2022 18:42

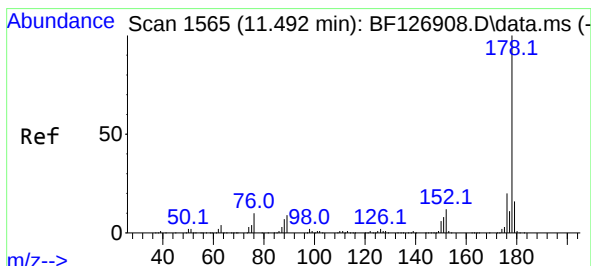
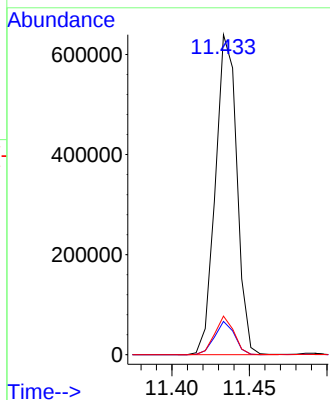
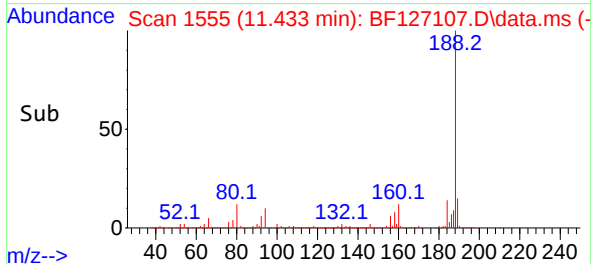
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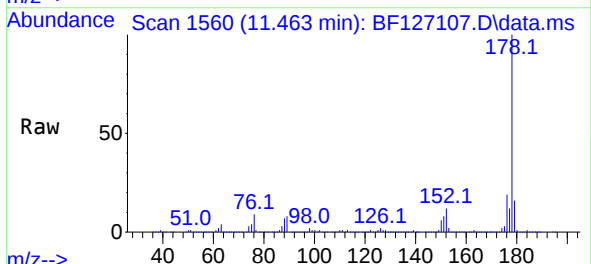
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Ion Ratio Lower Upper
188 100
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80 12.0 11.8 17.6

Manual Integrations
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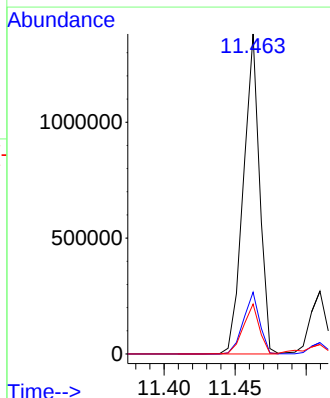
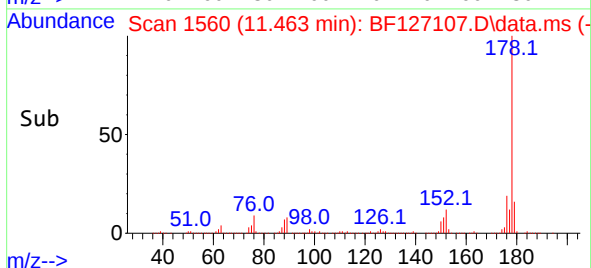
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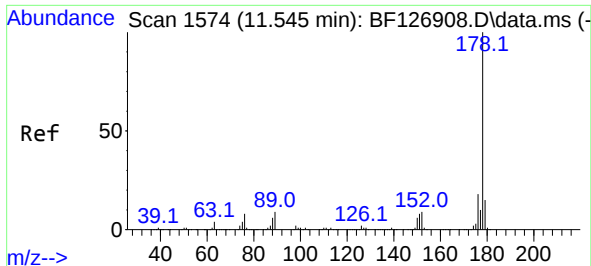


#71
Phenanthrene
Concen: 63.610 ng
RT: 11.463 min Scan# 1560
Delta R.T. -0.006 min
Lab File: BF127107.D
Acq: 28 Feb 2022 18:42



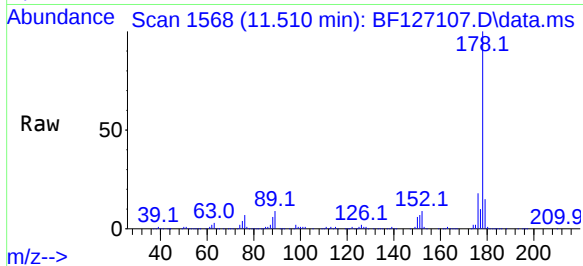
Tgt Ion:178 Resp: 1095595
Ion Ratio Lower Upper
178 100
176 19.3 15.7 23.5
179 15.6 12.3 18.5





#72
 Anthracene
 Concen: 12.230 ng
 RT: 11.510 min Scan# 1568
 Delta R.T. -0.012 min
 Lab File: BF127107.D
 Acq: 28 Feb 2022 18:42

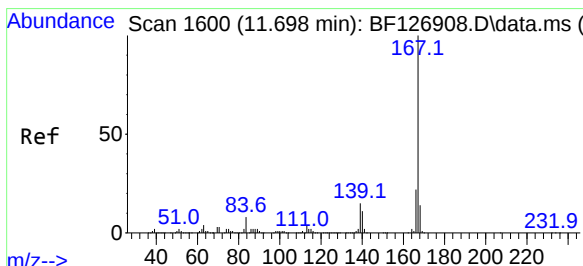
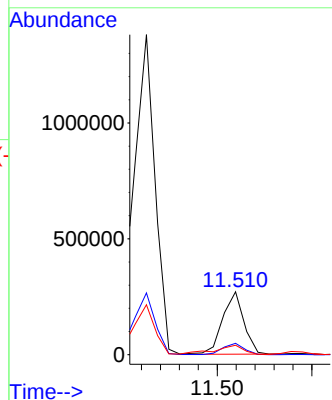
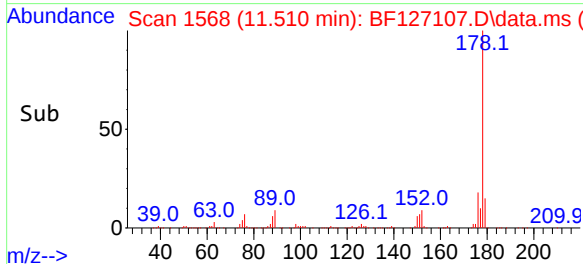
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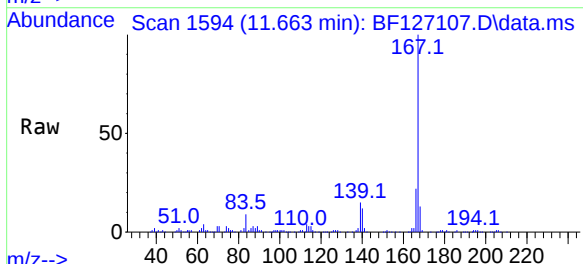
Tgt Ion:178 Resp: 20970
 Ion Ratio Lower Upper
 178 100
 176 18.0 15.0 22.6
 179 15.0 12.5 18.7

Manual Integrations
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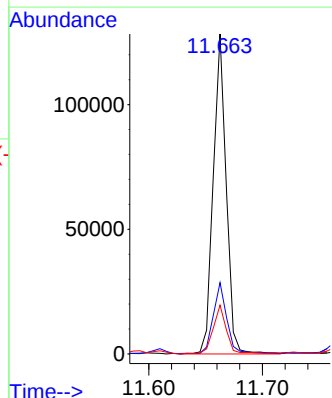
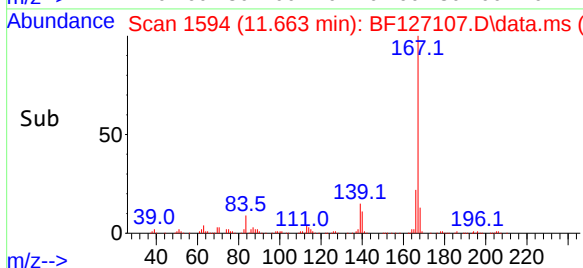
Reviewed By :Christian Giraldo 03/01/2022
 Supervised By :Jagrut Upadhyay 03/01/2022

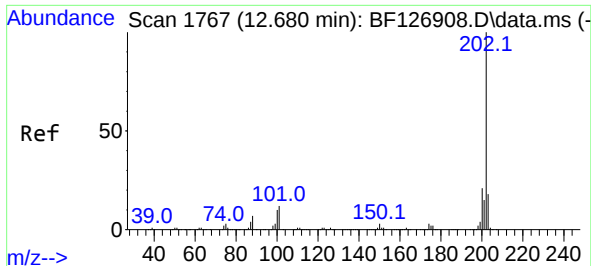


#73
 Carbazole
 Concen: 6.461 ng
 RT: 11.663 min Scan# 1594
 Delta R.T. -0.012 min
 Lab File: BF127107.D
 Acq: 28 Feb 2022 18:42



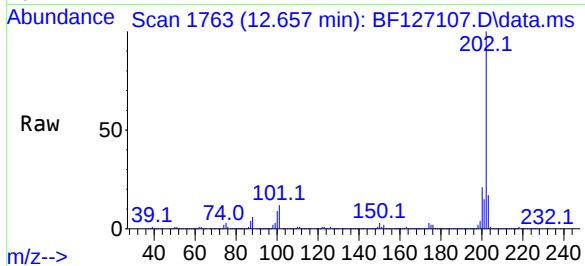
Tgt Ion:167 Resp: 101592
 Ion Ratio Lower Upper
 167 100
 166 22.3 16.9 25.3
 139 15.3 11.3 16.9





#75
Fluoranthene
Concen: 85.826 ng
RT: 12.657 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF127107.D
Acq: 28 Feb 2022 18:42

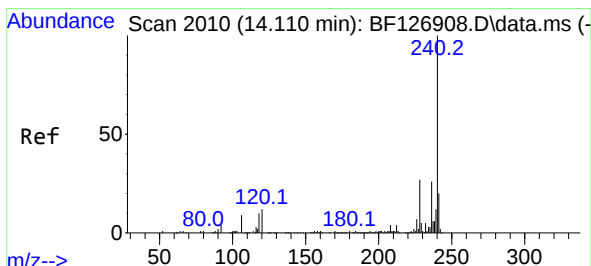
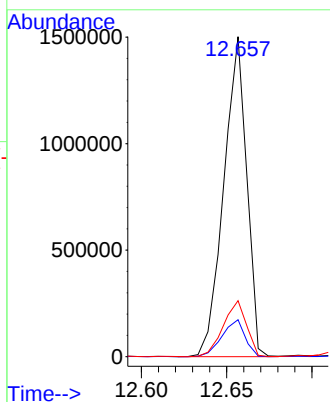
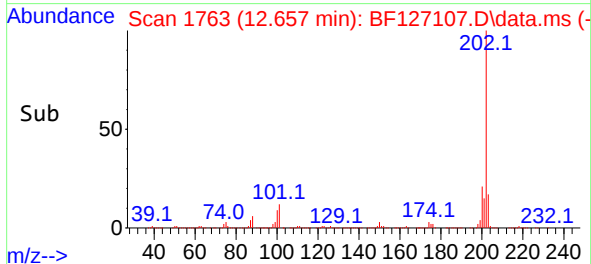
Instrument :
BNA_F
ClientSampleId :
TP-3



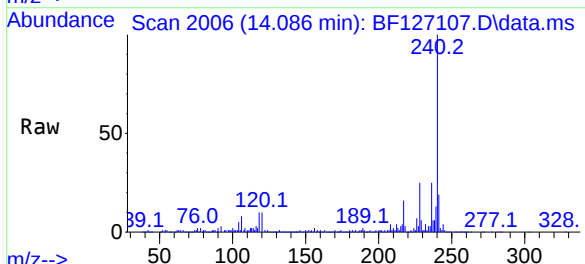
Tgt Ion:202 Resp: 1403570
Ion Ratio Lower Upper
202 100
101 11.5 0.0 35.7
203 17.5 0.0 37.1

Manual Integrations
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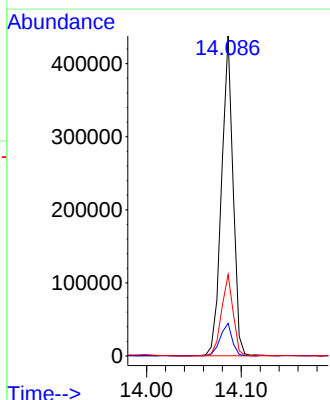
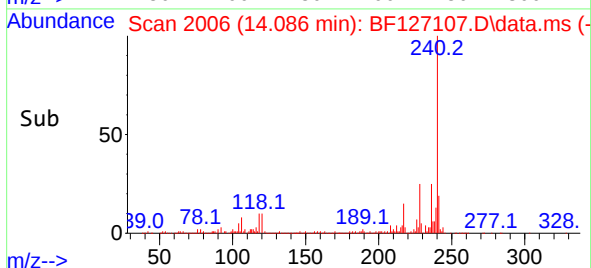
Reviewed By :Christian Giraldo 03/01/2022
Supervised By :Jagrut Upadhyay 03/01/2022

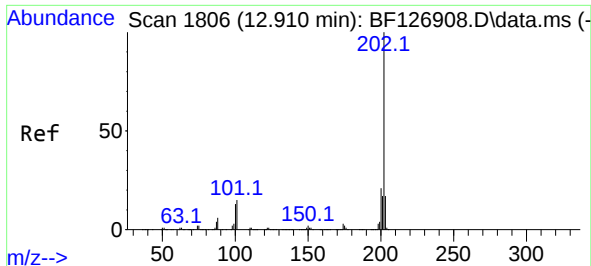


#76
Chrysene-d12
Concen: 40.000 ng
RT: 14.086 min Scan# 2006
Delta R.T. -0.000 min
Lab File: BF127107.D
Acq: 28 Feb 2022 18:42



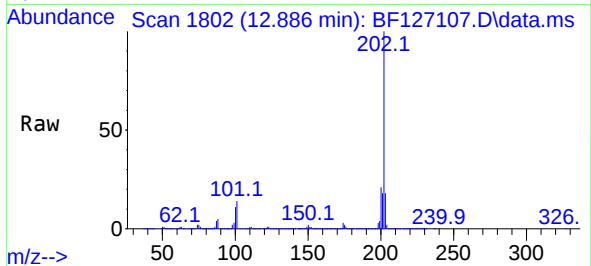
Tgt Ion:240 Resp: 370892
Ion Ratio Lower Upper
240 100
120 10.2 14.4 21.6#
236 25.4 20.5 30.7





#78
Pyrene
Concen: 70.609 ng
RT: 12.886 min Scan# 1802
Delta R.T. -0.006 min
Lab File: BF127107.D
Acq: 28 Feb 2022 18:42

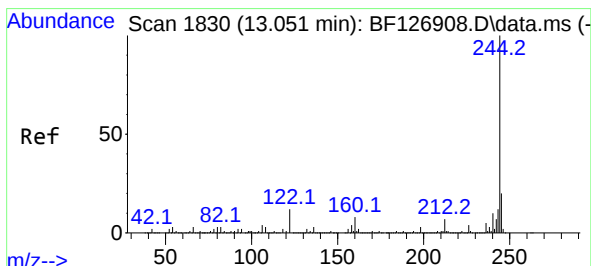
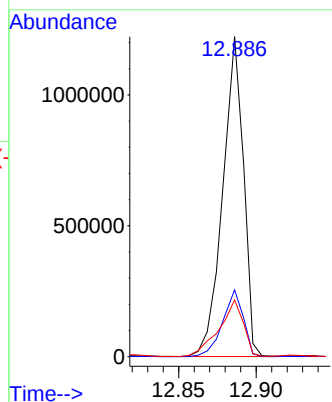
Instrument :
BNA_F
ClientSampleId :
TP-3



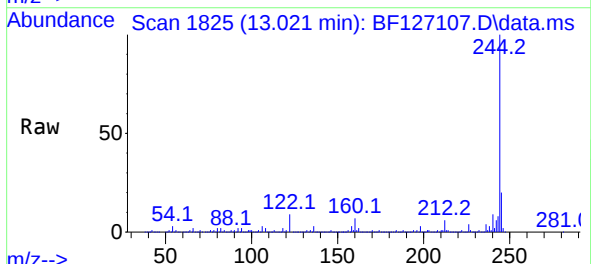
Tgt Ion:202 Resp: 1137594
Ion Ratio Lower Upper
202 100
200 20.9 16.6 24.8
203 17.8 13.8 20.8

Manual Integrations
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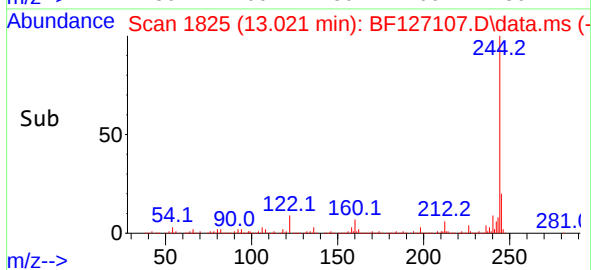
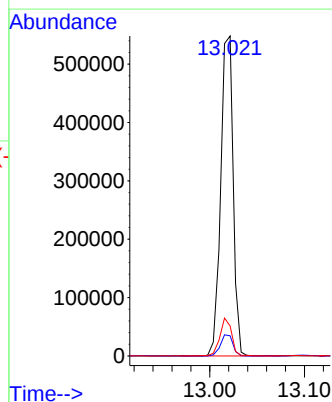
Reviewed By :Christian Giraldo 03/01/2022
Supervised By :Jagrut Upadhyay 03/01/2022

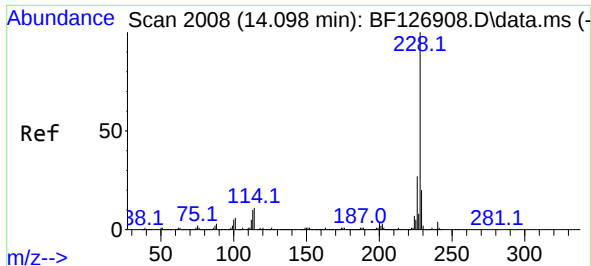


#79
Terphenyl-d14
Concen: 39.847 ng
RT: 13.021 min Scan# 1825
Delta R.T. -0.006 min
Lab File: BF127107.D
Acq: 28 Feb 2022 18:42



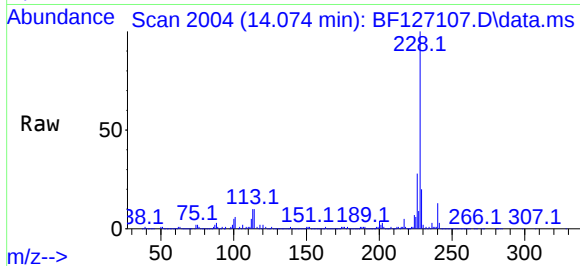
Tgt Ion:244 Resp: 502668
Ion Ratio Lower Upper
244 100
212 6.3 5.0 7.4
122 9.4 13.3 19.9#





#81
Benzo(a)anthracene
Concen: 51.045 ng
RT: 14.074 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BF127107.D
Acq: 28 Feb 2022 18:42

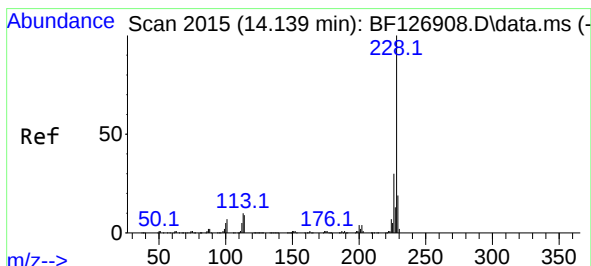
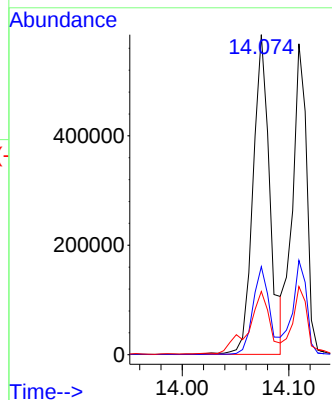
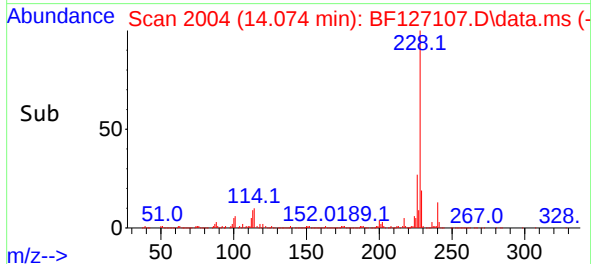
Instrument :
BNA_F
ClientSampleId :
TP-3



Tgt Ion:228 Resp: 638169
Ion Ratio Lower Upper
228 100
226 27.5 21.4 32.0
229 19.8 15.4 23.2

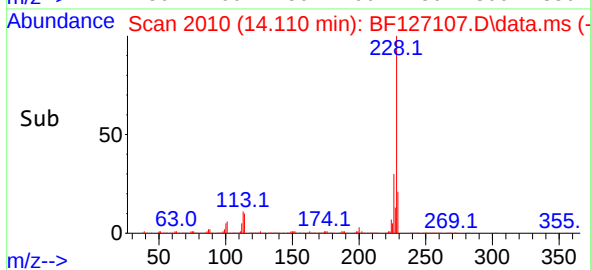
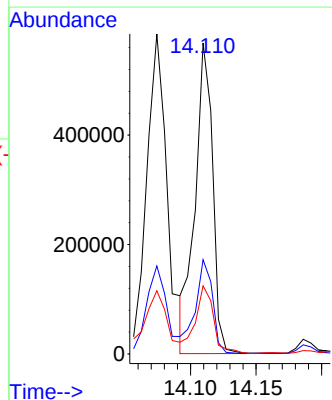
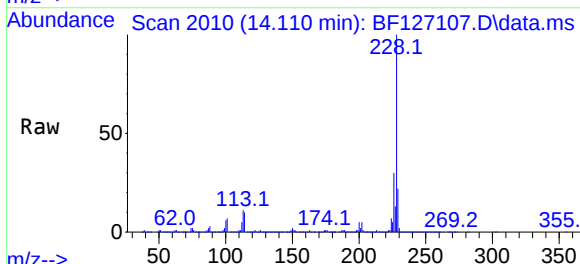
Manual Integrations
APPROVED

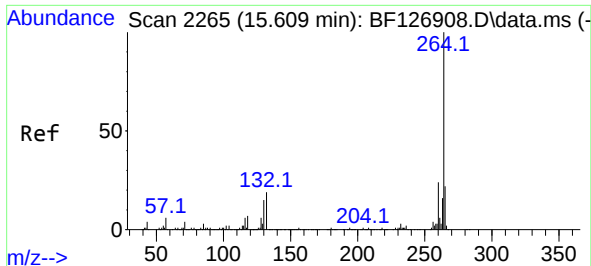
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Supervised By :Jagrut Upadhyay 03/01/2022



#83
Chrysene
Concen: 44.857 ng
RT: 14.110 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BF127107.D
Acq: 28 Feb 2022 18:42

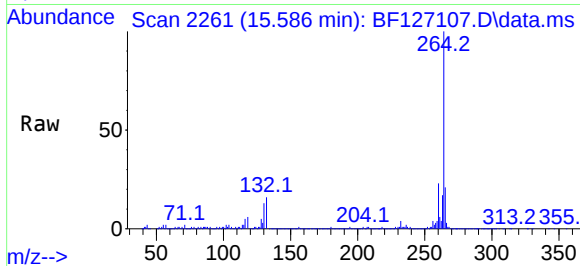
Tgt Ion:228 Resp: 527359
Ion Ratio Lower Upper
228 100
226 30.3 23.7 35.5
229 21.9 15.5 23.3





#86
Perylene-d12
Concen: 40.000 ng
RT: 15.586 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF127107.D
Acq: 28 Feb 2022 18:42

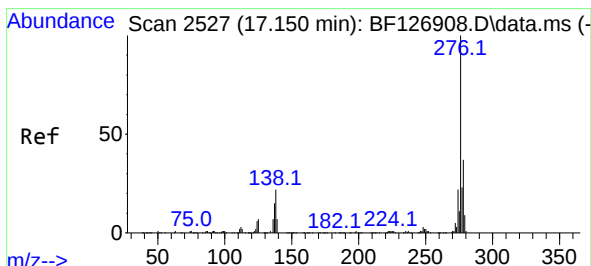
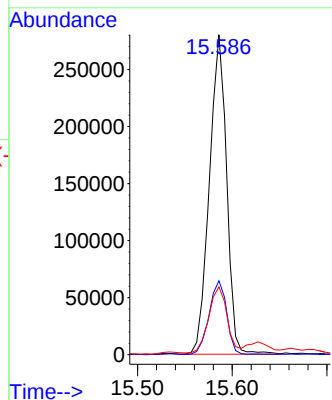
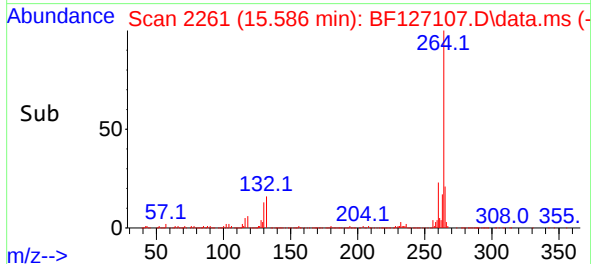
Instrument :
BNA_F
ClientSampleId :
TP-3



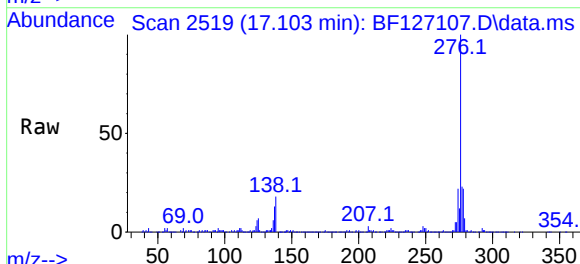
Tgt Ion:264 Resp: 353924
Ion Ratio Lower Upper
264 100
260 23.1 19.2 28.8
265 21.2 17.4 26.2

Manual Integrations
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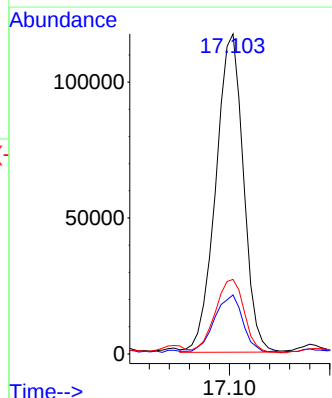
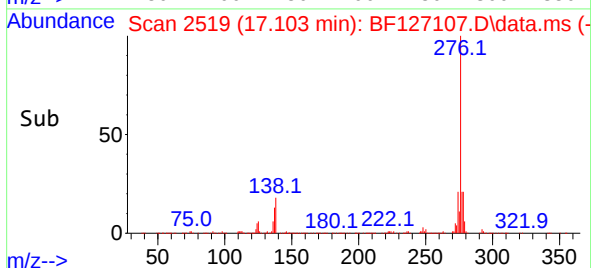
Reviewed By :Christian Giraldo 03/01/2022
Supervised By :Jagrut Upadhyay 03/01/2022

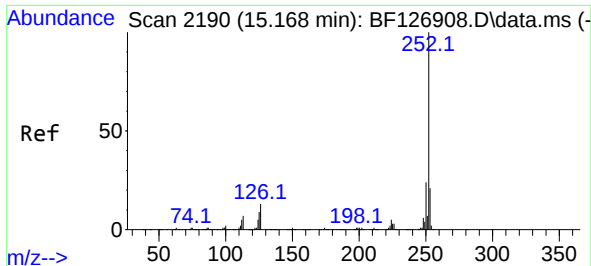


#87
Indeno(1,2,3-cd)pyrene
Concen: 19.279 ng
RT: 17.103 min Scan# 2519
Delta R.T. -0.012 min
Lab File: BF127107.D
Acq: 28 Feb 2022 18:42



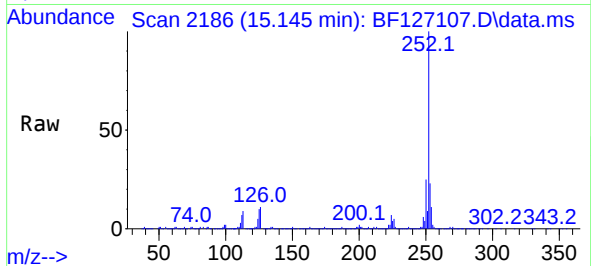
Tgt Ion:276 Resp: 223706
Ion Ratio Lower Upper
276 100
138 19.0 29.2 43.8#
277 24.1 19.8 29.8





#88
Benzo(b)fluoranthene
Concen: 60.502 ng m
RT: 15.145 min Scan# 2190
Delta R.T. -0.000 min
Lab File: BF127107.D
Acq: 28 Feb 2022 18:42

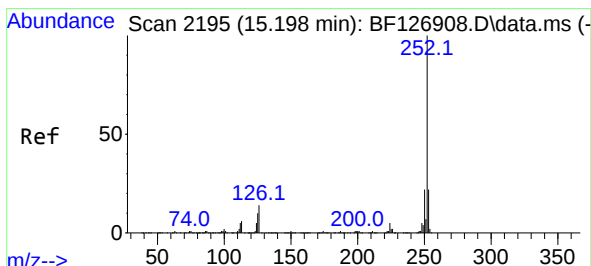
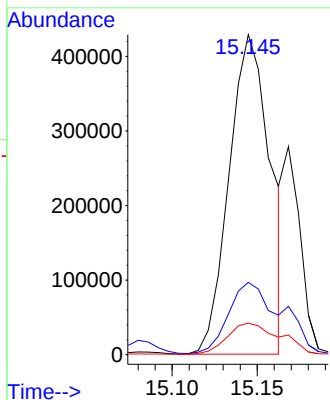
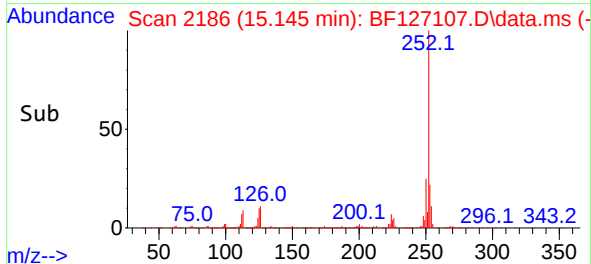
Instrument :
BNA_F
ClientSampleId :
TP-3



Tgt Ion:252 Resp: 719094
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.8
125 9.8 12.4 18.6

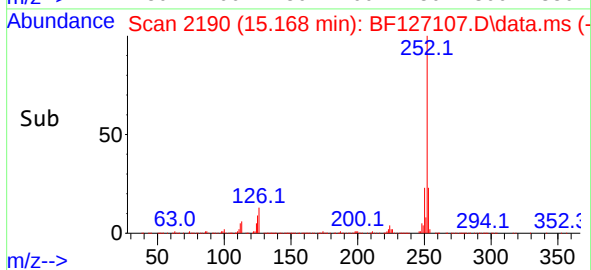
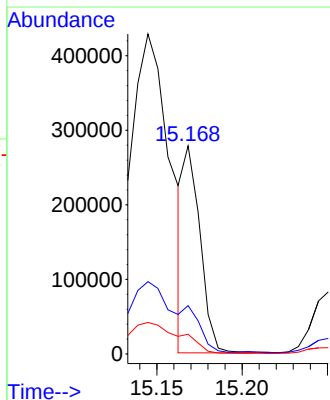
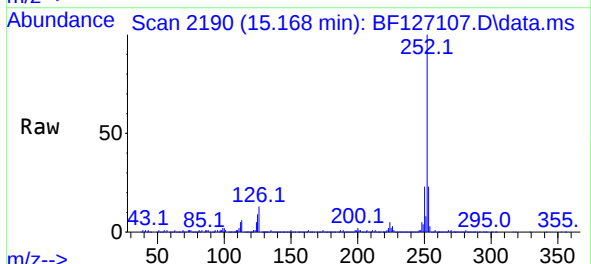
Manual Integrations
APPROVED

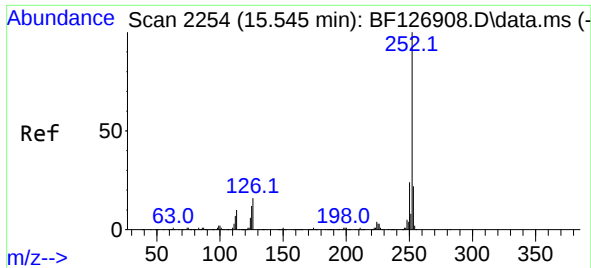
Reviewed By :Christian Giraldo 03/01/2022
Supervised By :Jagrut Upadhyay 03/01/2022



#89
Benzo(k)fluoranthene
Concen: 16.389 ng m
RT: 15.168 min Scan# 2190
Delta R.T. -0.006 min
Lab File: BF127107.D
Acq: 28 Feb 2022 18:42

Tgt Ion:252 Resp: 187878
Ion Ratio Lower Upper
252 100
253 23.2 17.5 26.3
125 9.5 11.8 17.6





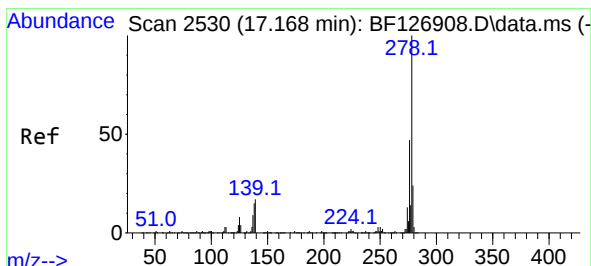
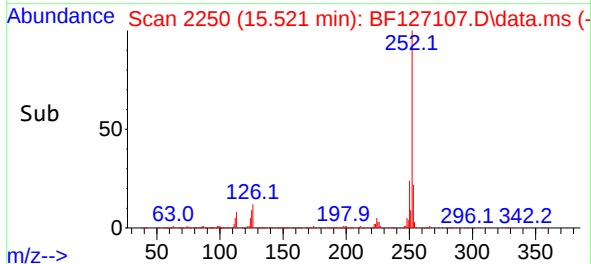
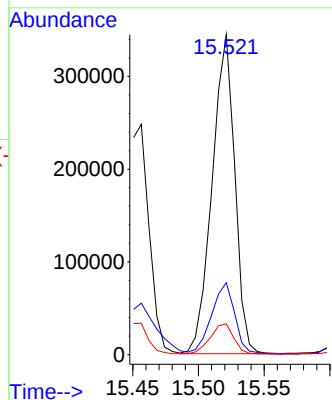
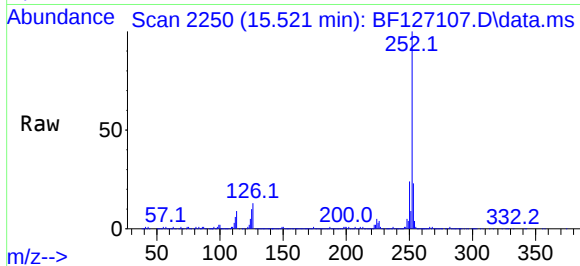
#90
Benzo(a)pyrene
Concen: 44.441 ng m
RT: 15.521 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF127107.D
Acq: 28 Feb 2022 18:42

Instrument :
BNA_F
ClientSampleId :
TP-3

Tgt Ion:252 Resp: 41258
Ion Ratio Lower Upper
252 100
253 22.5 17.1 25.7
125 9.6 13.0 19.6

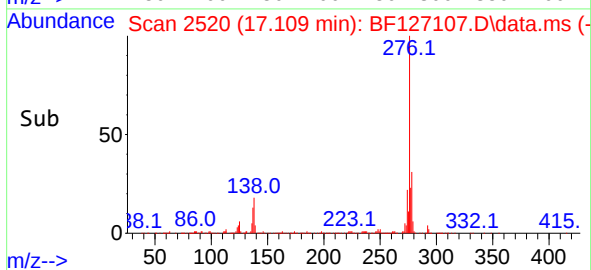
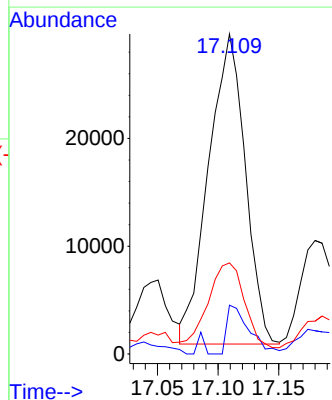
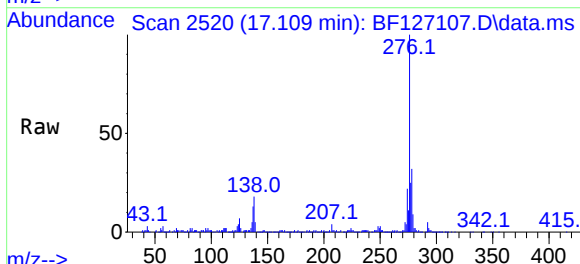
Manual Integrations
APPROVED

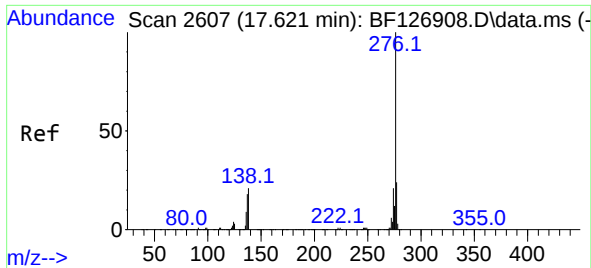
Reviewed By :Christian Giraldo 03/01/2022
Supervised By :Jagrut Upadhyay 03/01/2022



#91
Dibenzo(a,h)anthracene
Concen: 6.293 ng m
RT: 17.109 min Scan# 2520
Delta R.T. -0.024 min
Lab File: BF127107.D
Acq: 28 Feb 2022 18:42

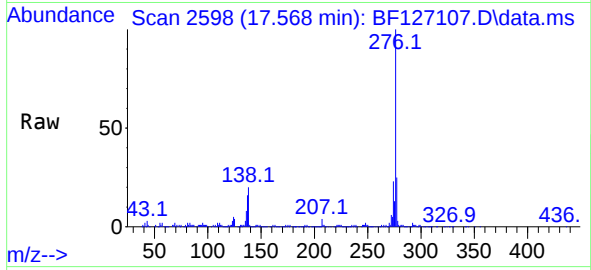
Tgt Ion:278 Resp: 60394
Ion Ratio Lower Upper
278 100
139 15.3 18.0 27.0#
279 28.5 18.6 27.8#





#92
 Benzo(g,h,i)perylene
 Concen: 20.089 ng
 RT: 17.568 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF127107.D
 Acq: 28 Feb 2022 18:42

Instrument :
 BNA_F
 ClientSampleId :
 TP-3



Tgt Ion: 276 Resp: 19006

Ion	Ratio	Lower	Upper
276	100		
277	24.8	18.5	27.7
138	20.0	25.9	38.9

Manual Integrations
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Reviewed By : Christian Giraldo 03/01/2022
 Supervised By : Jagrut Upadhyay 03/01/2022

