

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022822\
 Data File : BF127101.D
 Acq On : 28 Feb 2022 15:50
 Operator : CG\JU
 Sample : N1679-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RO-72-11944

Manual Integrations
 APPROVED

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

Quant Time: Feb 28 17:00:18 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	96030	20.000	ng	-0.01
21) Naphthalene-d8	8.181	136	386052	20.000	ng	#-0.01
39) Acenaphthene-d10	9.939	164	196106	20.000	ng	-0.01
64) Phenanthrene-d10	11.433	188	328919	20.000	ng	#-0.01
76) Chrysene-d12	14.080	240	170532	20.000	ng	# 0.00
86) Perylene-d12	15.574	264	188189	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	726358	116.905	ng	0.00
7) Phenol-d6	6.528	99	975395	116.342	ng	-0.01
23) Nitrobenzene-d5	7.463	82	695440	81.311	ng	-0.01
42) 2,4,6-Tribromophenol	10.733	330	289974	128.427	ng	-0.01
45) 2-Fluorobiphenyl	9.263	172	1096167	82.289	ng	0.00
79) Terphenyl-d14	13.021	244	970448	83.656	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.540	94	20415	2.410	ng	79
55) Dibenzofuran	10.145	168	35447	2.118	ng	# 87
58) Fluorene	10.486	166	48379	3.711	ng	95
71) Phenanthrene	11.457	178	259384	14.089	ng	99
72) Anthracene	11.504	178	53686	2.929	ng	98
75) Fluoranthene	12.645	202	267535	15.305	ng	96
78) Pyrene	12.880	202	200569	13.538	ng	98
81) Benzo(a)anthracene	14.068	228	73113	6.360	ng	96
83) Chrysene	14.104	228	68184	6.307	ng	98
84) Bis(2-ethylhexyl)phtha...	14.045	149	50767	5.513	ng	# 98
87) Indeno(1,2,3-cd)pyrene	17.086	276	41203	3.339	ng	# 84
88) Benzo(b)fluoranthene	15.133	252	93926m	7.431	ng	
89) Benzo(k)fluoranthene	15.157	252	29836m	2.447	ng	
90) Benzo(a)pyrene	15.510	252	64956m	6.579	ng	
92) Benzo(g,h,i)perylene	17.551	276	38059	3.783	ng	# 88

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

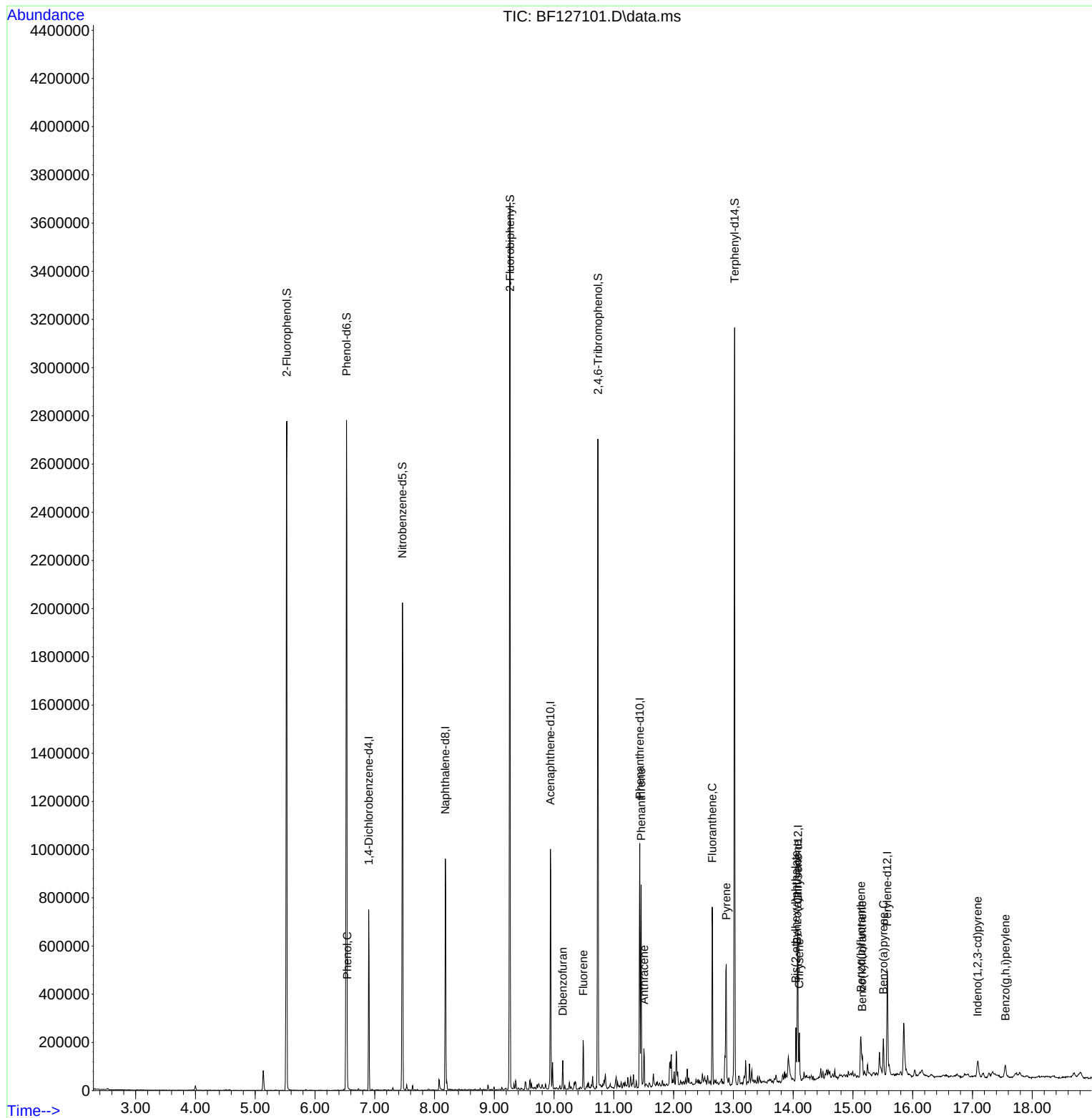
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022822\
Data File : BF127101.D
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ALS Vial : 13 Sample Multiplier: 1

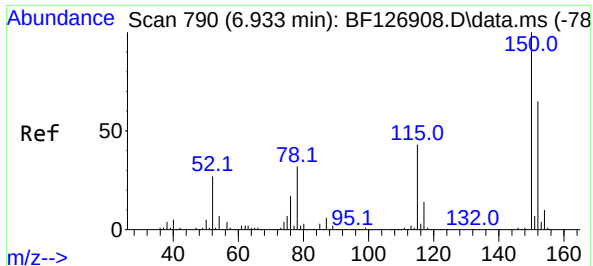
Instrument :
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Quant Time: Feb 28 17:00:18 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Supervised By :Jagrut Upadhyay 03/01/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF127101.D
Acq: 28 Feb 2022 15:50

Instrument :

BNA_F

ClientSampleId :

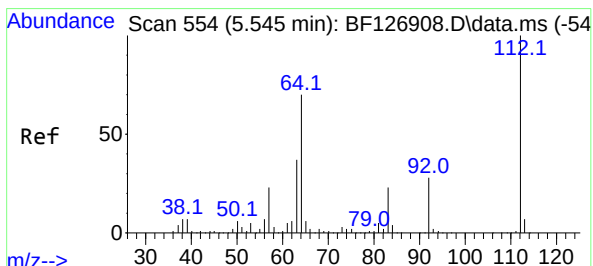
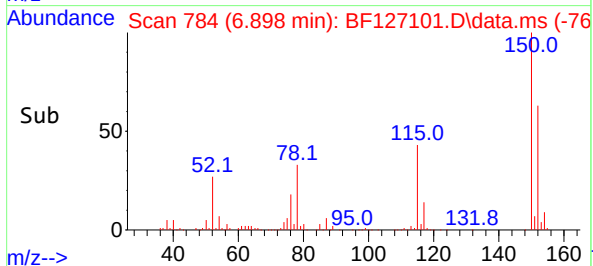
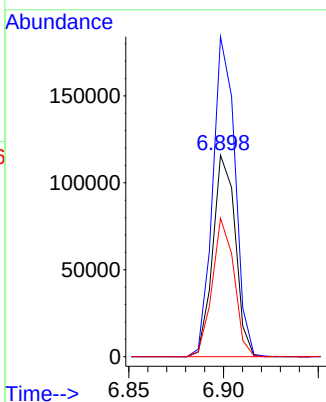
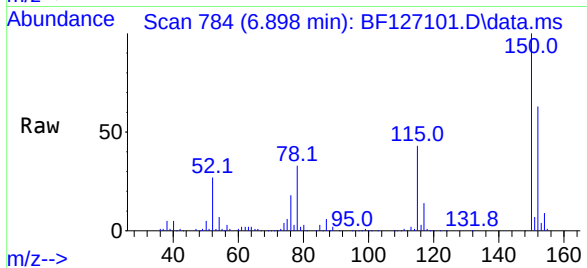
RO-72-11944

Tgt Ion:152 Resp: 96030
Ion Ratio Lower Upper
152 100
150 158.8 128.1 192.1
115 68.7 56.7 85.1

Manual Integrations

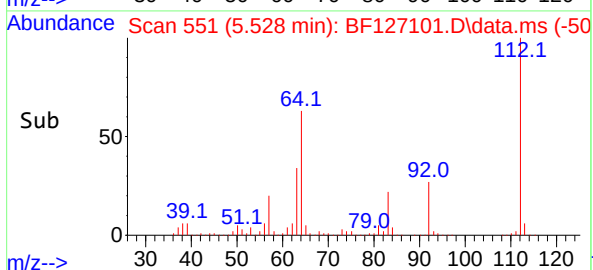
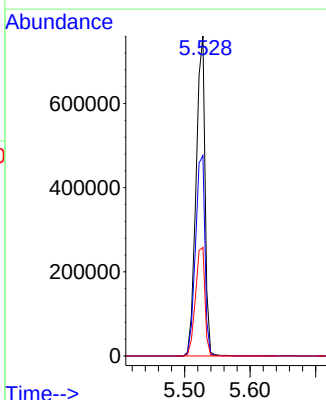
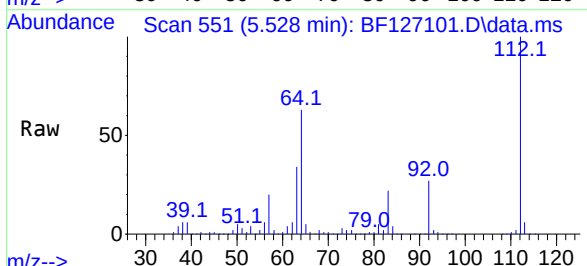
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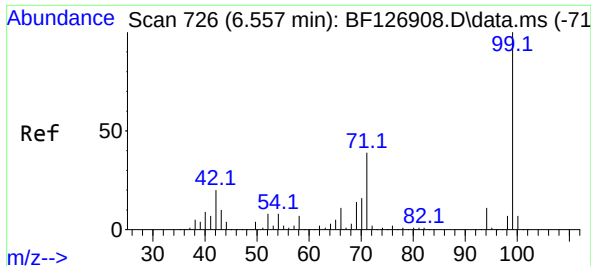
Reviewed By :Christian Giraldo 03/01/2022
Supervised By :Jagrut Upadhyay 03/01/2022



#5
2-Fluorophenol
Concen: 116.905 ng
RT: 5.528 min Scan# 551
Delta R.T. 0.000 min
Lab File: BF127101.D
Acq: 28 Feb 2022 15:50

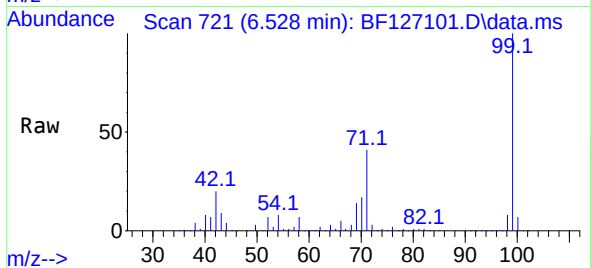
Tgt Ion:112 Resp: 726358
Ion Ratio Lower Upper
112 100
64 62.7 49.5 74.3
63 34.0 23.9 35.9





#7
Phenol-d6
Concen: 116.342 ng
RT: 6.528 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF127101.D
Acq: 28 Feb 2022 15:50

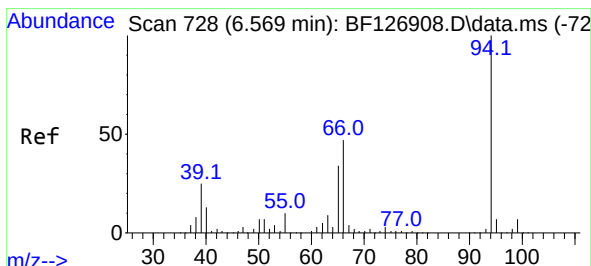
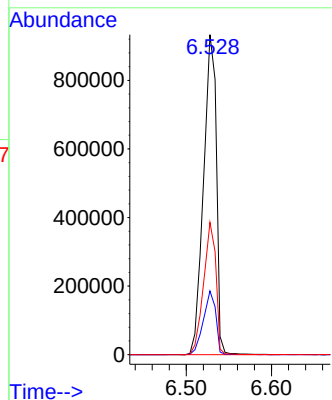
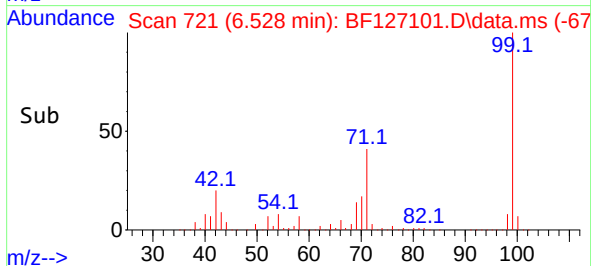
Instrument :
BNA_F
ClientSampleId :
RO-72-11944



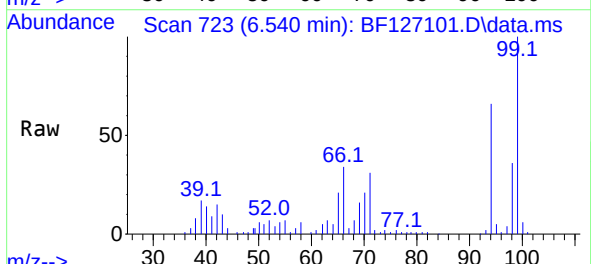
Tgt Ion: 99 Resp: 97539
Ion Ratio Lower Upper
99 100
42 19.9 14.2 21.4
71 41.3 24.3 36.5

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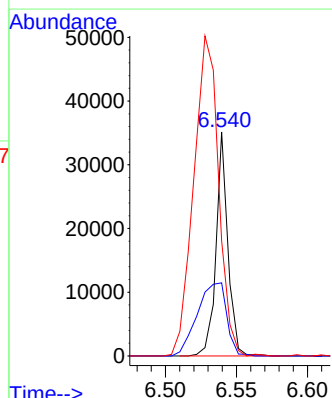
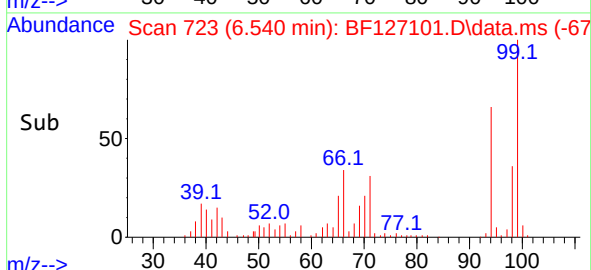
Reviewed By :Christian Giraldo 03/01/2022
Supervised By :Jagrut Upadhyay 03/01/2022

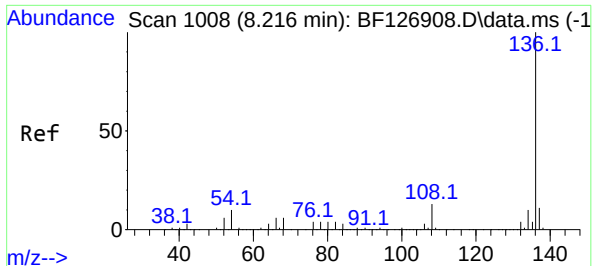


#10
Phenol
Concen: 2.410 ng
RT: 6.540 min Scan# 723
Delta R.T. -0.012 min
Lab File: BF127101.D
Acq: 28 Feb 2022 15:50



Tgt Ion: 94 Resp: 20415
Ion Ratio Lower Upper
94 100
65 32.6 7.2 47.2
66 51.4 14.5 54.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 10
Delta R.T. -0.012 min
Lab File: BF127101.D
Acq: 28 Feb 2022 15:50

Instrument :

BNA_F

ClientSampleId :

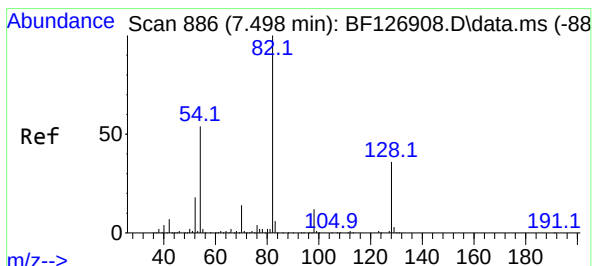
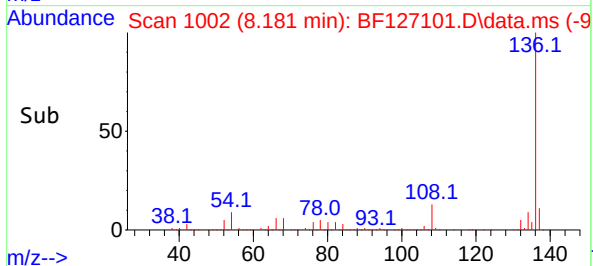
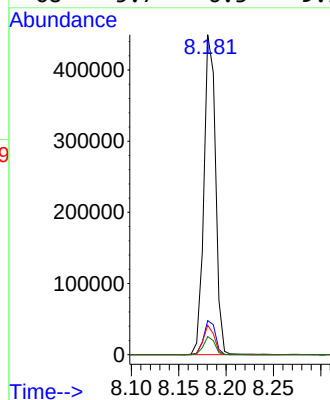
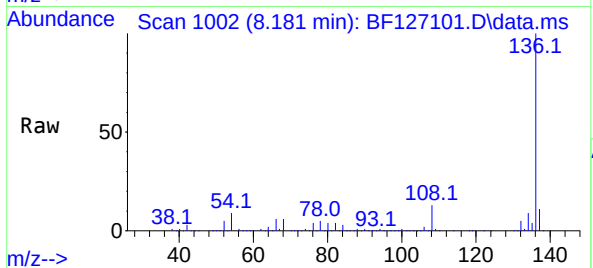
RO-72-11944

Tgt Ion:136 Resp: 386052
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 9.2 7.8 11.6
68 5.7 6.3 9.5#

Manual Integrations

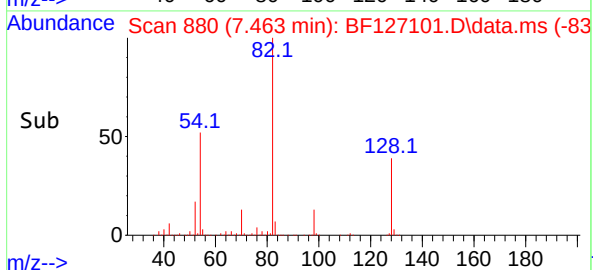
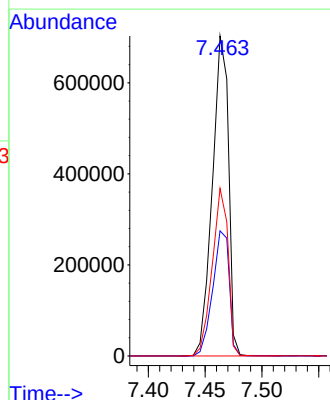
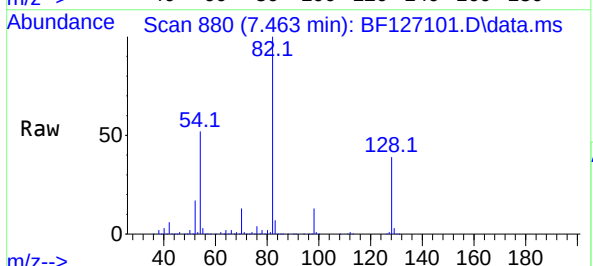
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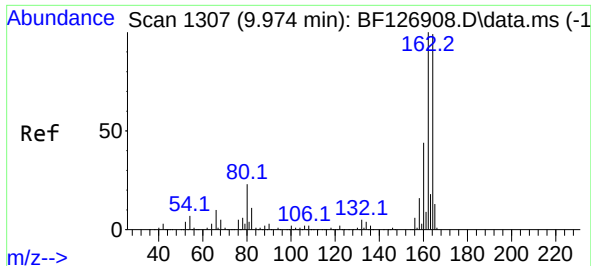
Reviewed By :Christian Giraldo 03/01/2022
Supervised By :Jagrut Upadhyay 03/01/2022



#23
Nitrobenzene-d5
Concen: 81.311 ng
RT: 7.463 min Scan# 880
Delta R.T. -0.012 min
Lab File: BF127101.D
Acq: 28 Feb 2022 15:50

Tgt Ion: 82 Resp: 695440
Ion Ratio Lower Upper
82 100
128 39.1 32.7 49.1
54 52.4 41.7 62.5





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF127101.D
Acq: 28 Feb 2022 15:50

Instrument :

BNA_F

ClientSampleId :

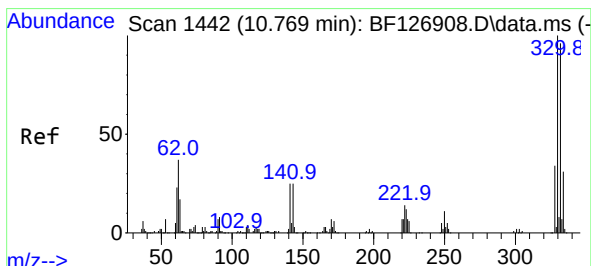
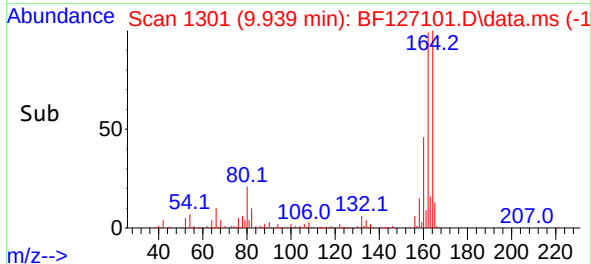
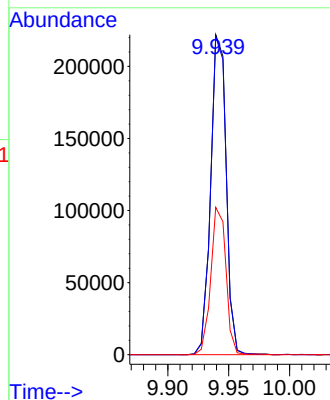
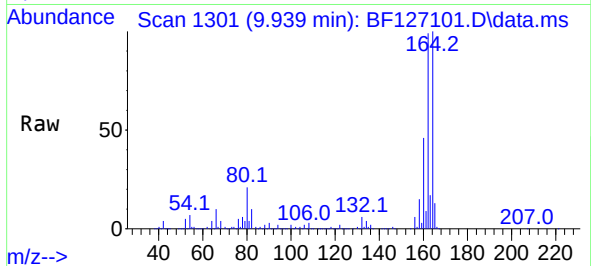
RO-72-11944

Tgt Ion:164 Resp: 196100
Ion Ratio Lower Upper
164 100
162 99.4 81.4 122.0
160 46.1 36.6 54.8

Manual Integrations

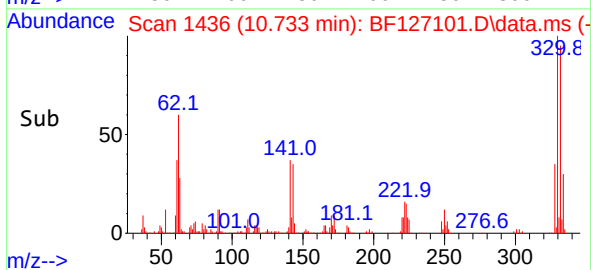
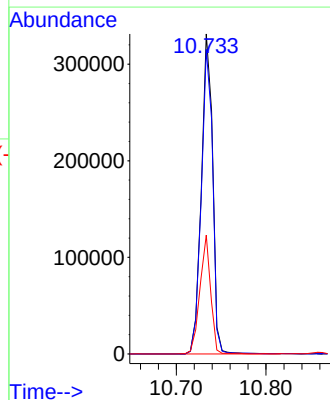
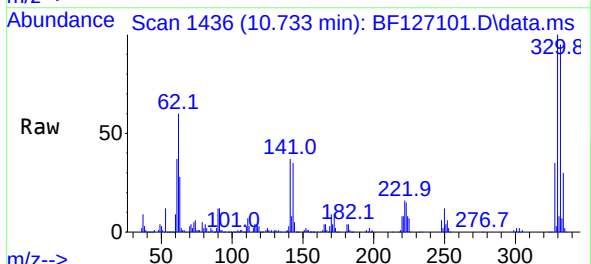
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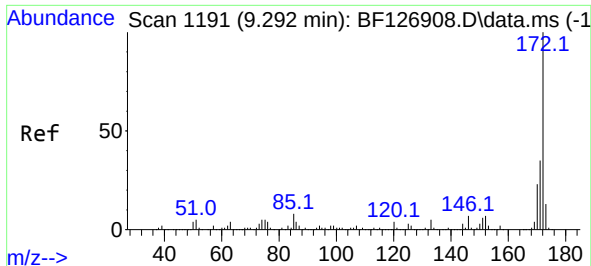
Reviewed By :Christian Giraldo 03/01/2022
Supervised By :Jagrut Upadhyay 03/01/2022



#42
2,4,6-Tribromophenol
Concen: 128.427 ng
RT: 10.733 min Scan# 1436
Delta R.T. -0.012 min
Lab File: BF127101.D
Acq: 28 Feb 2022 15:50

Tgt Ion:330 Resp: 289974
Ion Ratio Lower Upper
330 100
332 95.8 76.0 114.0
141 35.5 30.1 45.1





#45

2-Fluorobiphenyl

Concen: 82.289 ng

RT: 9.263 min Scan# 1186

Delta R.T. -0.006 min

Lab File: BF127101.D

Acq: 28 Feb 2022 15:50

Instrument :

BNA_F

ClientSampleId :

RO-72-11944

Tgt Ion:172 Resp: 109616

Ion Ratio Lower Upper

172 100

171 35.3 28.3 42.5

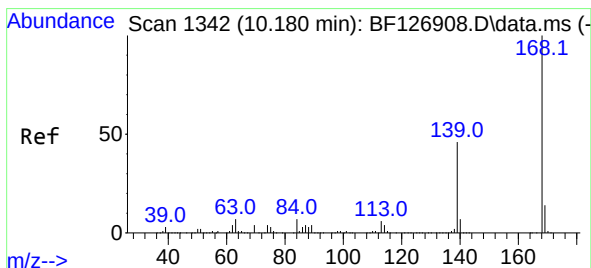
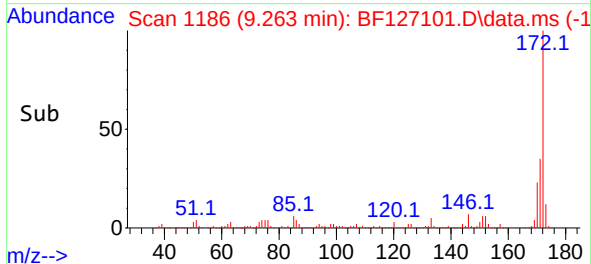
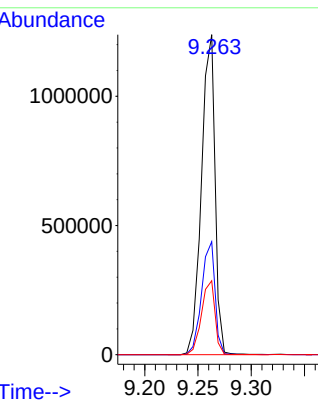
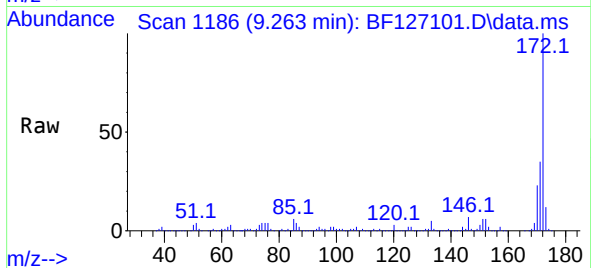
170 23.1 19.0 28.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/01/2022

Supervised By :Jagrut Upadhyay 03/01/2022



#55

Dibenzofuran

Concen: 2.118 ng

RT: 10.145 min Scan# 1336

Delta R.T. -0.012 min

Lab File: BF127101.D

Acq: 28 Feb 2022 15:50

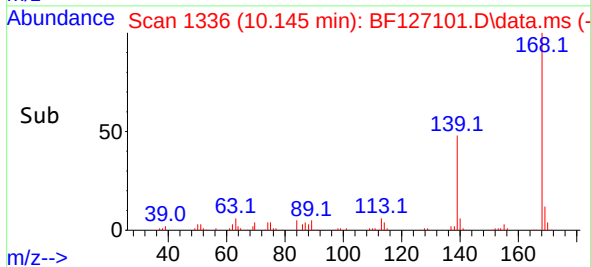
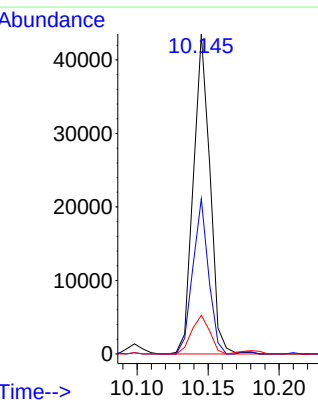
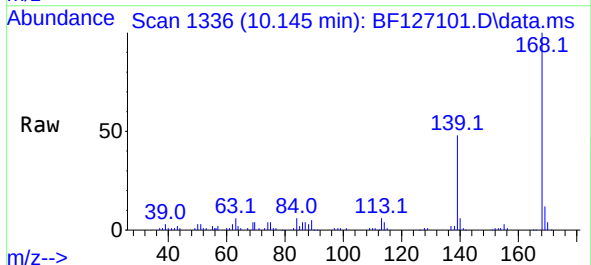
Tgt Ion:168 Resp: 35447

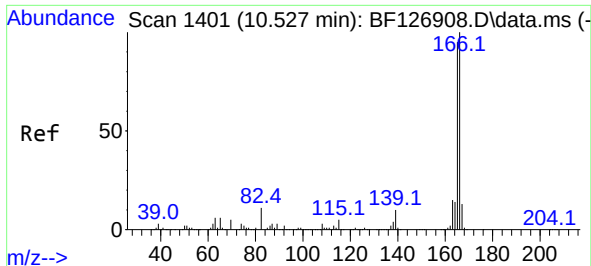
Ion Ratio Lower Upper

168 100

139 48.5 30.6 46.0#

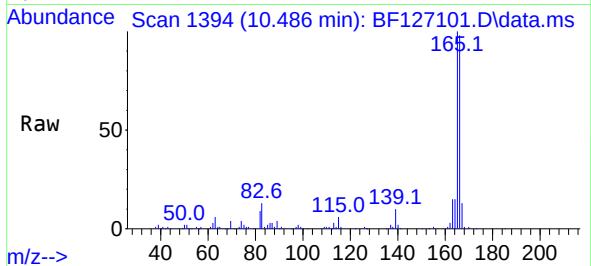
169 12.1 10.0 15.0





#58
Fluorene
Concen: 3.711 ng
RT: 10.486 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF127101.D
Acq: 28 Feb 2022 15:50

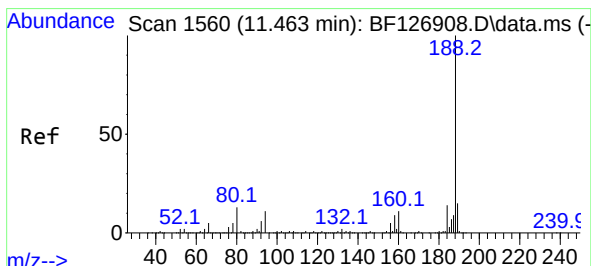
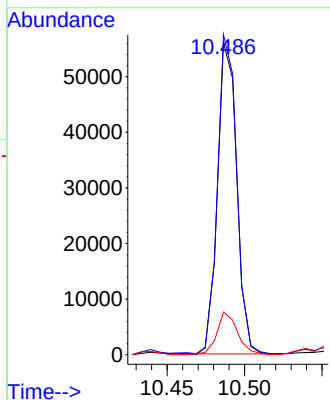
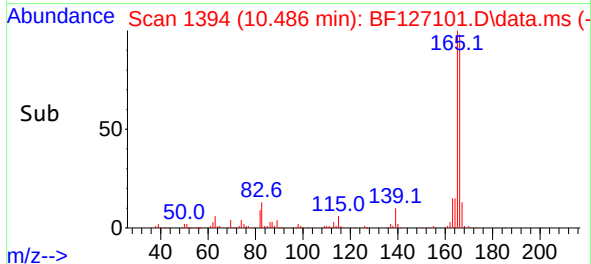
Instrument :
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ClientSampleId :
RO-72-11944



Tgt Ion:166 Resp: 48379
Ion Ratio Lower Upper
166 100
165 102.5 77.7 116.5
167 13.6 10.7 16.1

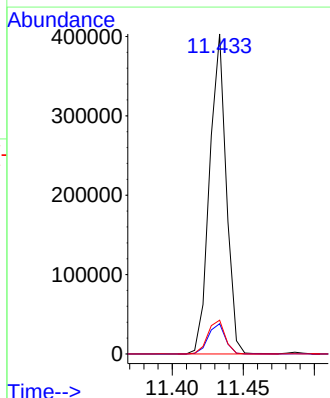
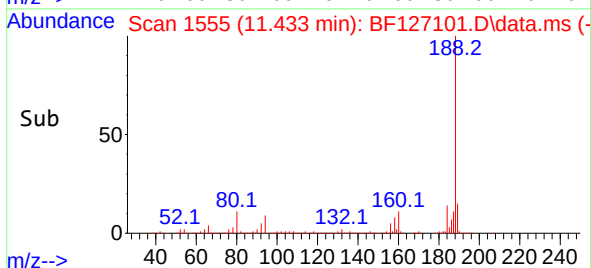
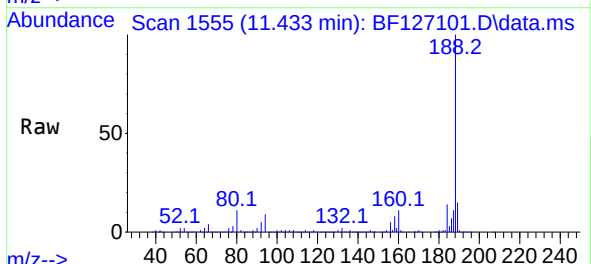
Manual Integrations
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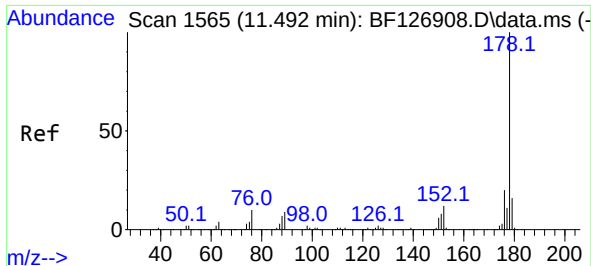
Reviewed By :Christian Giraldo 03/01/2022
Supervised By :Jagrut Upadhyay 03/01/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.433 min Scan# 1555
Delta R.T. -0.012 min
Lab File: BF127101.D
Acq: 28 Feb 2022 15:50

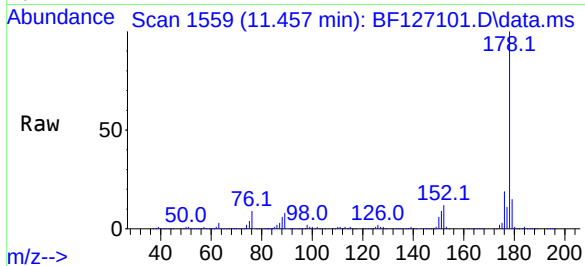
Tgt Ion:188 Resp: 328919
Ion Ratio Lower Upper
188 100
94 9.4 10.1 15.1#
80 10.6 11.8 17.6#





#71
Phenanthrene
Concen: 14.089 ng
RT: 11.457 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF127101.D
Acq: 28 Feb 2022 15:50

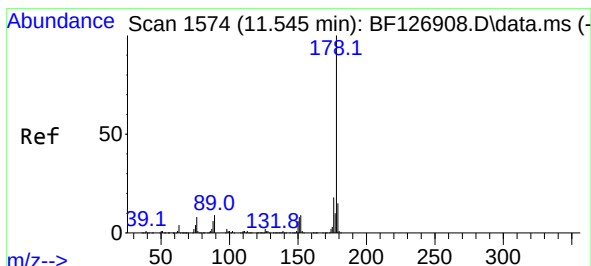
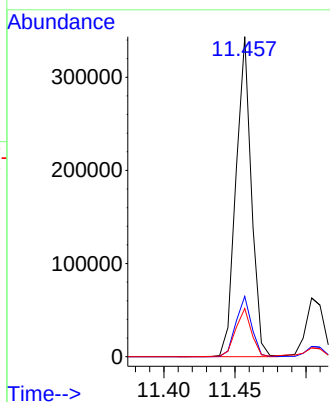
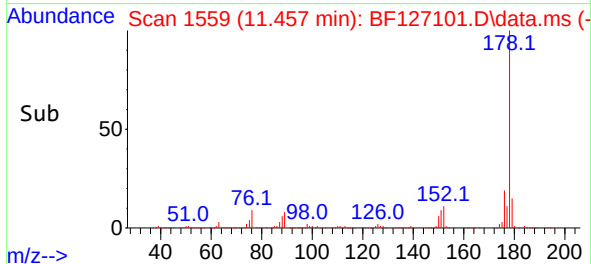
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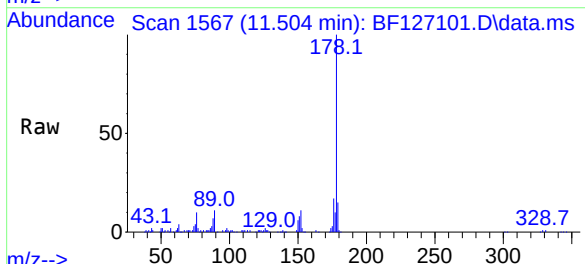
Tgt Ion:178 Resp: 259384
Ion Ratio Lower Upper
178 100
176 18.9 15.7 23.5
179 15.1 12.3 18.5

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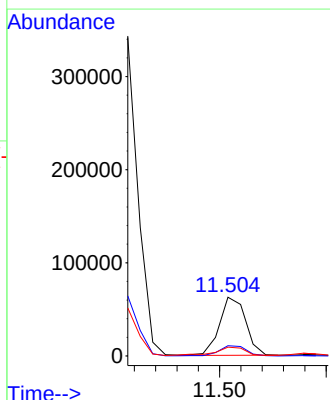
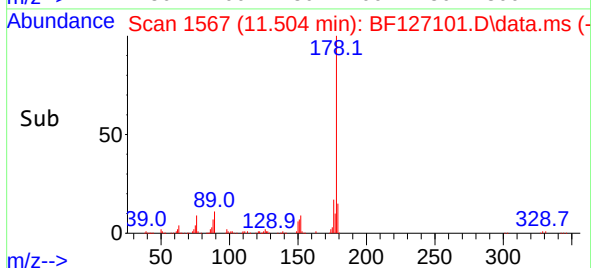
Reviewed By :Christian Giraldo 03/01/2022
Supervised By :Jagrut Upadhyay 03/01/2022

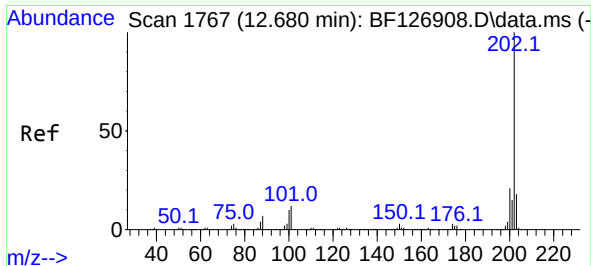


#72
Anthracene
Concen: 2.929 ng
RT: 11.504 min Scan# 1567
Delta R.T. -0.018 min
Lab File: BF127101.D
Acq: 28 Feb 2022 15:50



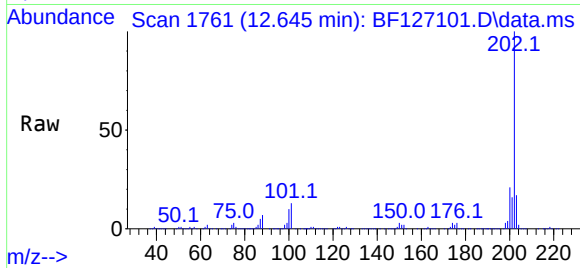
Tgt Ion:178 Resp: 53686
Ion Ratio Lower Upper
178 100
176 17.4 15.0 22.6
179 15.1 12.5 18.7





#75
Fluoranthene
Concen: 15.305 ng
RT: 12.645 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF127101.D
Acq: 28 Feb 2022 15:50

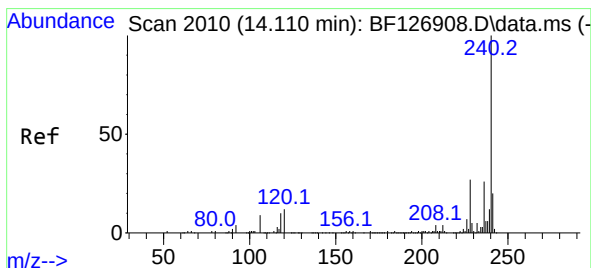
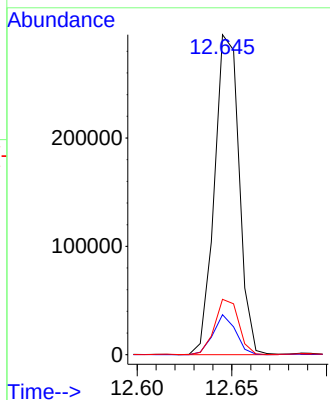
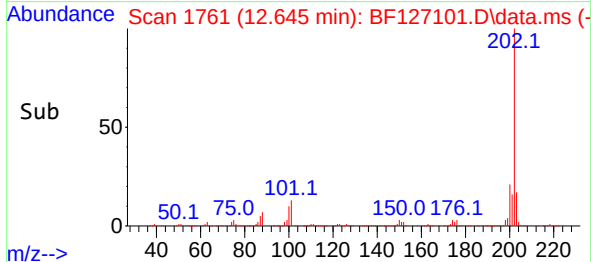
Instrument :
BNA_F
ClientSampleId :
RO-72-11944



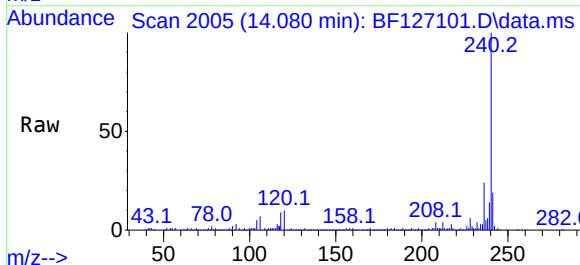
Tgt Ion:202 Resp: 26753
Ion Ratio Lower Upper
202 100
101 12.5 0.0 35.7
203 17.3 0.0 37.1

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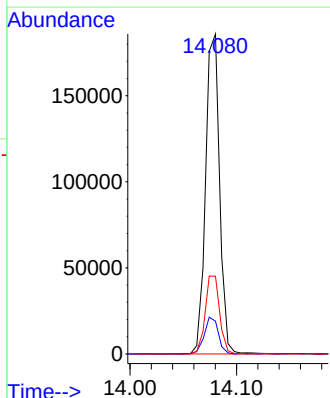
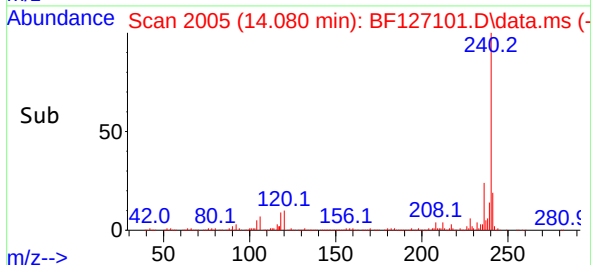
Reviewed By :Christian Giraldo 03/01/2022
Supervised By :Jagrut Upadhyay 03/01/2022

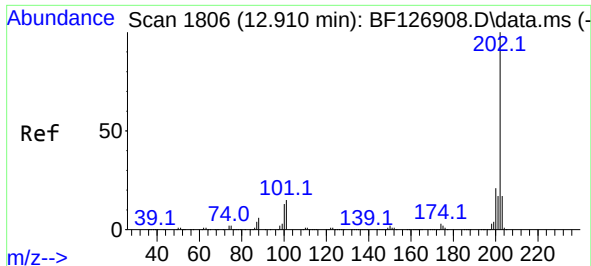


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.080 min Scan# 2005
Delta R.T. -0.006 min
Lab File: BF127101.D
Acq: 28 Feb 2022 15:50



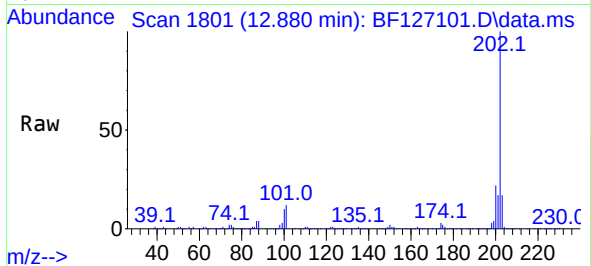
Tgt Ion:240 Resp: 170532
Ion Ratio Lower Upper
240 100
120 10.2 14.4 21.6#
236 24.3 20.5 30.7





#78
Pyrene
Concen: 13.538 ng
RT: 12.880 min Scan# 1801
Delta R.T. -0.012 min
Lab File: BF127101.D
Acq: 28 Feb 2022 15:50

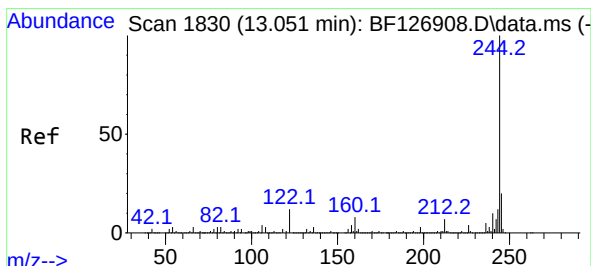
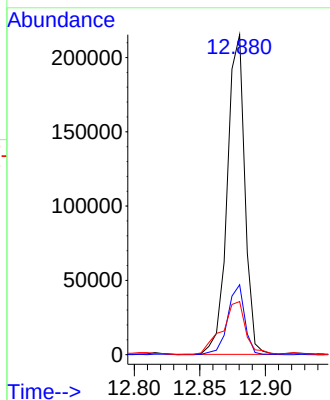
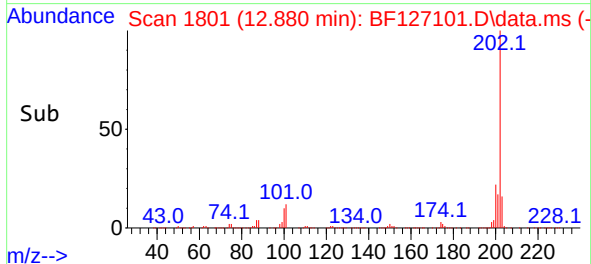
Instrument :
BNA_F
ClientSampleId :
RO-72-11944



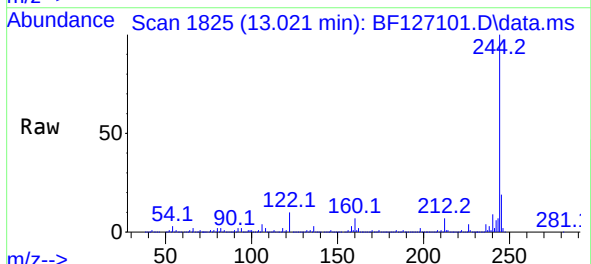
Tgt Ion:202 Resp: 200569
Ion Ratio Lower Upper
202 100
200 21.8 16.6 24.8
203 16.6 13.8 20.8

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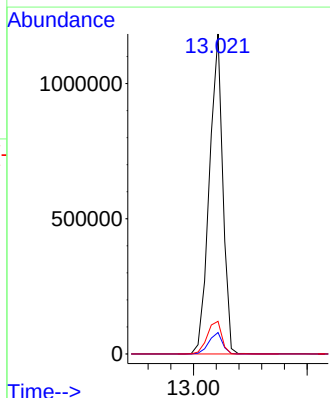
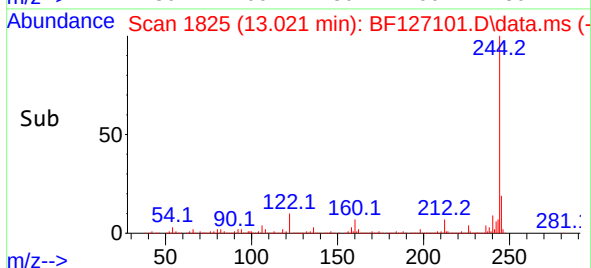
Reviewed By :Christian Giraldo 03/01/2022
Supervised By :Jagrut Upadhyay 03/01/2022

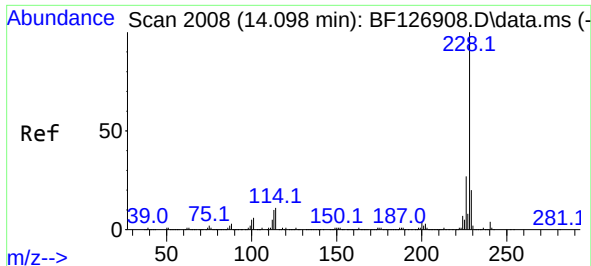


#79
Terphenyl-d14
Concen: 83.656 ng
RT: 13.021 min Scan# 1825
Delta R.T. -0.006 min
Lab File: BF127101.D
Acq: 28 Feb 2022 15:50



Tgt Ion:244 Resp: 970448
Ion Ratio Lower Upper
244 100
212 6.7 5.0 7.4
122 10.2 13.3 19.9





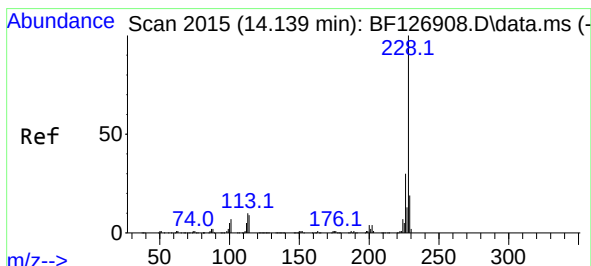
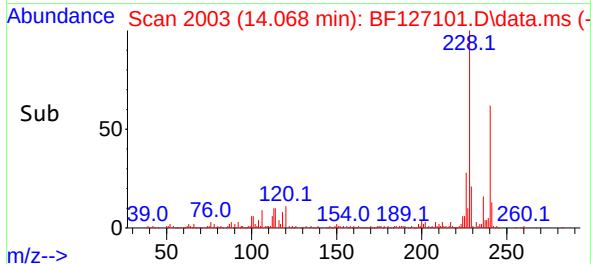
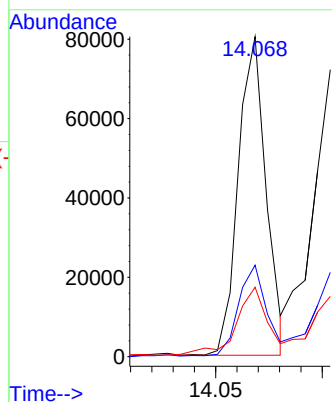
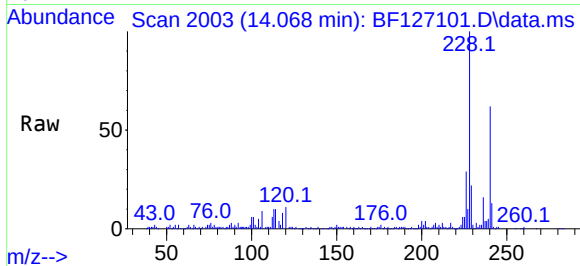
#81
Benzo(a)anthracene
Concen: 6.360 ng
RT: 14.068 min Scan# 2009
Delta R.T. -0.012 min
Lab File: BF127101.D
Acq: 28 Feb 2022 15:50

Instrument :
BNA_F
ClientSampleId :
RO-72-11944

Tgt Ion:228 Resp: 7311
Ion Ratio Lower Upper
228 100
226 28.6 21.4 32.0
229 21.7 15.4 23.2

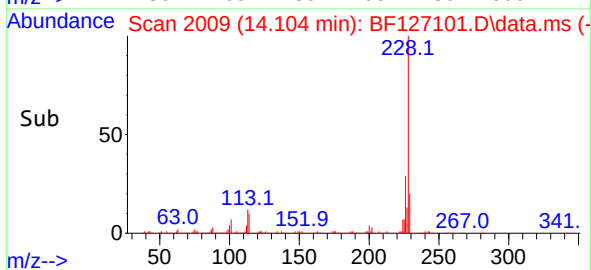
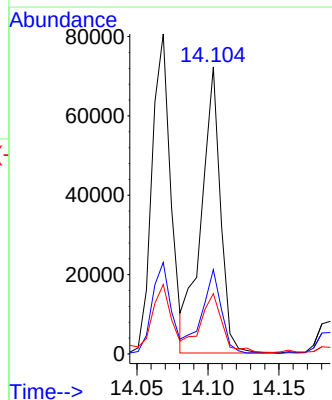
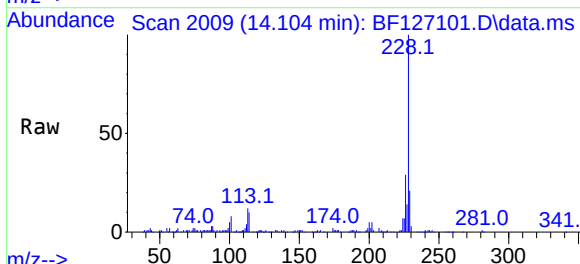
Manual Integrations
APPROVED

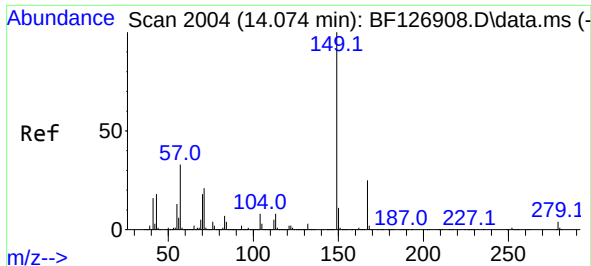
Reviewed By :Christian Giraldo 03/01/2022
Supervised By :Jagrut Upadhyay 03/01/2022



#83
Chrysene
Concen: 6.307 ng
RT: 14.104 min Scan# 2009
Delta R.T. -0.012 min
Lab File: BF127101.D
Acq: 28 Feb 2022 15:50

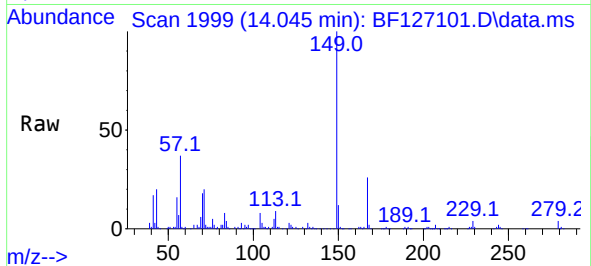
Tgt Ion:228 Resp: 68184
Ion Ratio Lower Upper
228 100
226 29.4 23.7 35.5
229 21.0 15.5 23.3





#84
Bis(2-ethylhexyl)phthalate
Concen: 5.513 ng
RT: 14.045 min Scan# 1999
Delta R.T. -0.006 min
Lab File: BF127101.D
Acq: 28 Feb 2022 15:50

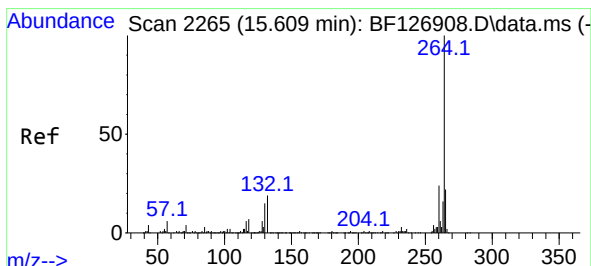
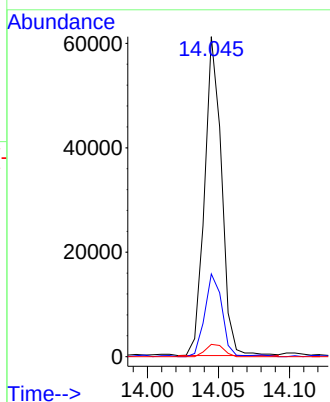
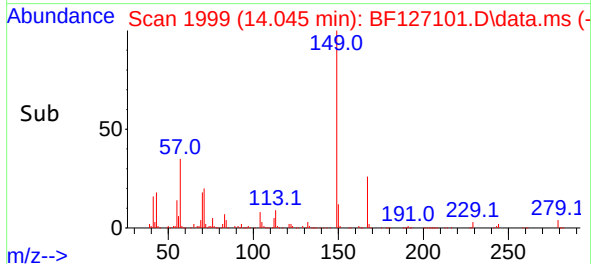
Instrument :
BNA_F
ClientSampleId :
RO-72-11944



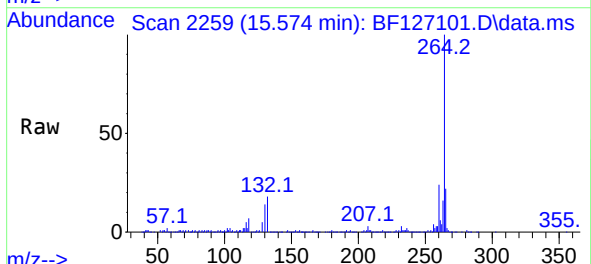
Tgt Ion:149 Resp: 5076
Ion Ratio Lower Upper
149 100
167 25.8 21.4 32.2
279 3.8 2.4 3.6

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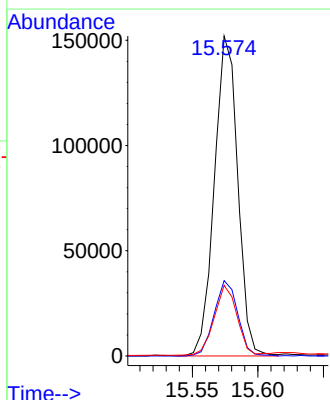
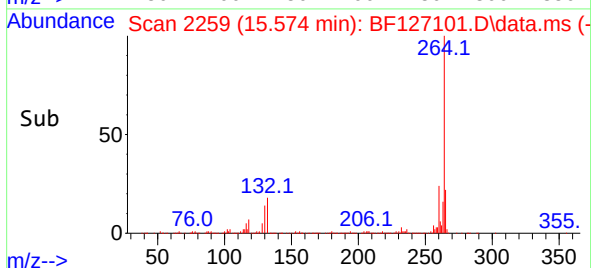
Reviewed By :Christian Giraldo 03/01/2022
Supervised By :Jagrut Upadhyay 03/01/2022

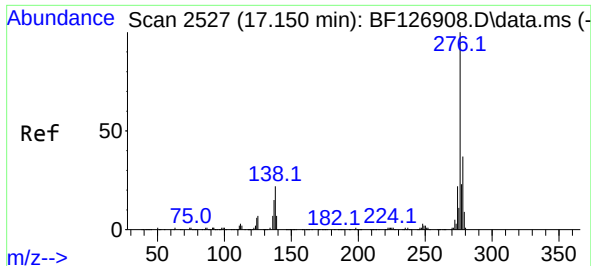


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.574 min Scan# 2259
Delta R.T. -0.012 min
Lab File: BF127101.D
Acq: 28 Feb 2022 15:50



Tgt Ion:264 Resp: 188189
Ion Ratio Lower Upper
264 100
260 23.5 19.2 28.8
265 22.0 17.4 26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 3.339 ng
RT: 17.086 min Scan# 2184
Delta R.T. -0.029 min
Lab File: BF127101.D
Acq: 28 Feb 2022 15:50

Instrument :

BNA_F

ClientSampleId :

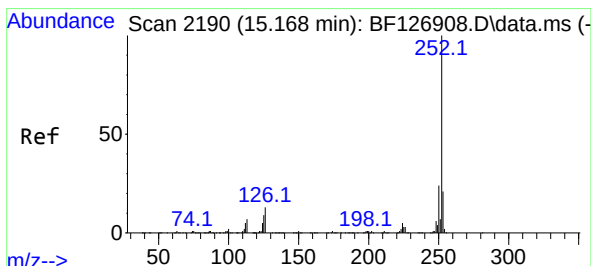
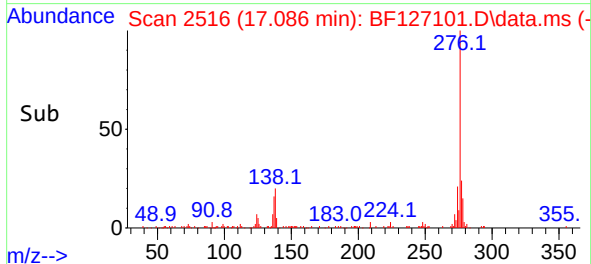
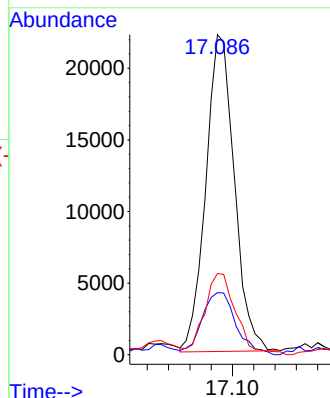
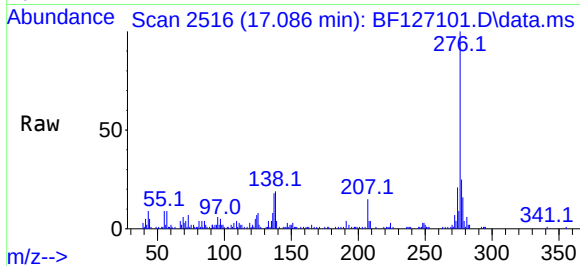
RO-72-11944

Tgt Ion:276 Resp: 4120
Ion Ratio Lower Upper
276 100
138 23.3 29.2 43.8
277 28.0 19.8 29.8

Manual Integrations

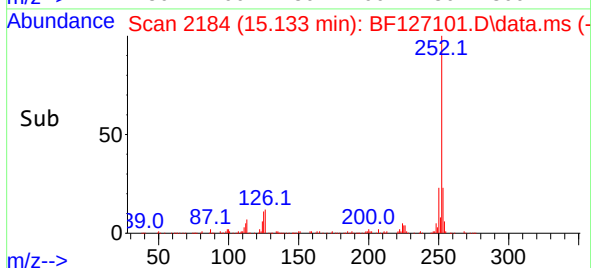
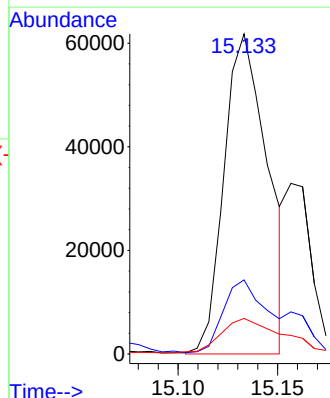
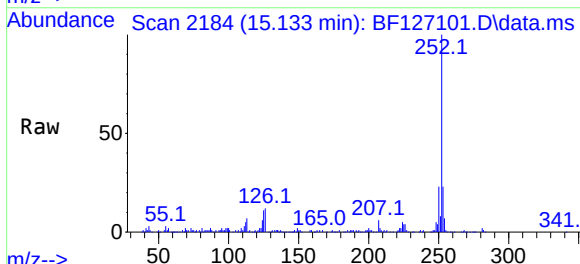
APPROVED

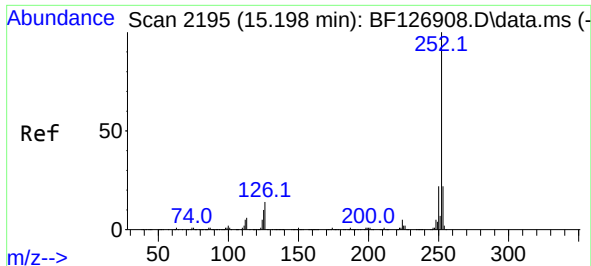
Reviewed By :Christian Giraldo 03/01/2022
Supervised By :Jagrut Upadhyay 03/01/2022



#88
Benzo(b)fluoranthene
Concen: 7.431 ng m
RT: 15.133 min Scan# 2184
Delta R.T. -0.012 min
Lab File: BF127101.D
Acq: 28 Feb 2022 15:50

Tgt Ion:252 Resp: 93926
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.8
125 11.1 12.4 18.6#





#89

Benzo(k)fluoranthene

Concen: 2.447 ng m

RT: 15.157 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF127101.D

Acq: 28 Feb 2022 15:50

Instrument :

BNA_F

ClientSampleId :

RO-72-11944

Tgt Ion:252 Resp: 29830

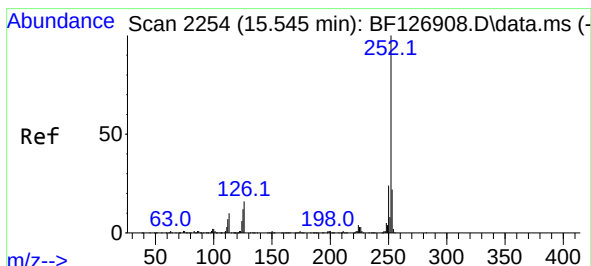
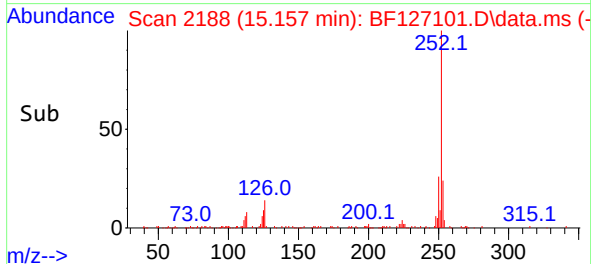
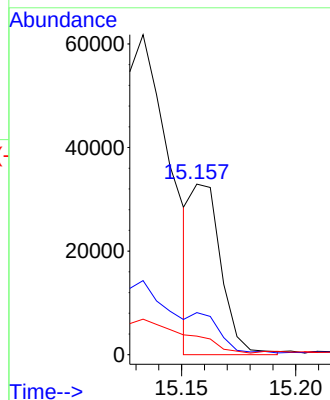
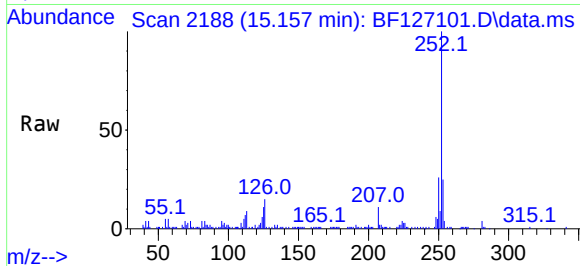
Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.5	26.3
125	10.9	11.8	17.6

Manual Integrations

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Reviewed By :Christian Giraldo 03/01/2022

Supervised By :Jagrut Upadhyay 03/01/2022



#90

Benzo(a)pyrene

Concen: 6.579 ng m

RT: 15.510 min Scan# 2248

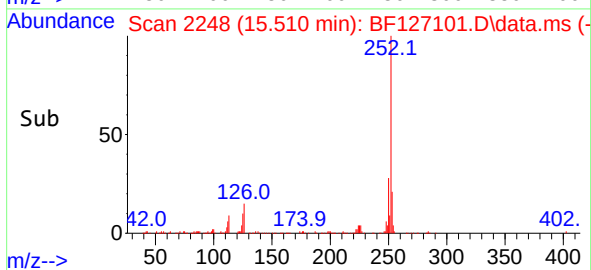
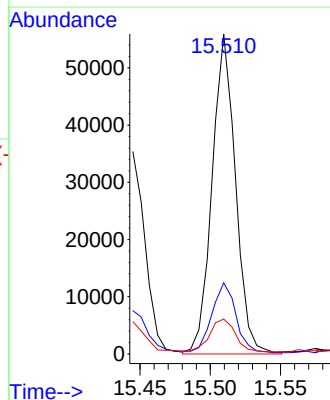
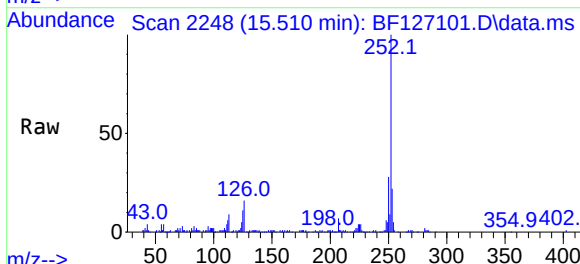
Delta R.T. -0.012 min

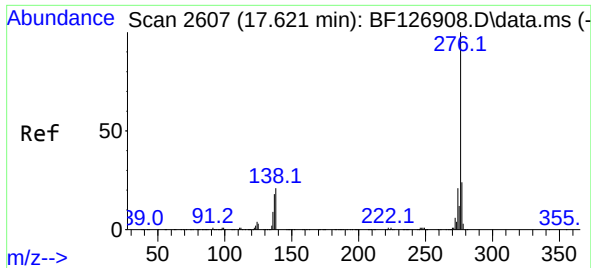
Lab File: BF127101.D

Acq: 28 Feb 2022 15:50

Tgt Ion:252 Resp: 64956

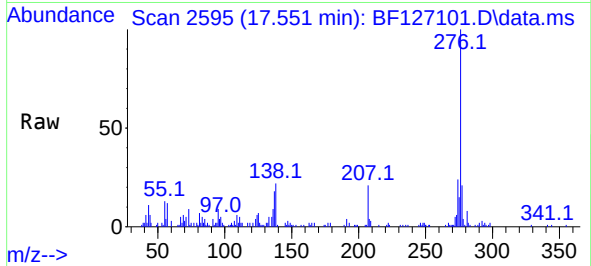
Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.1	25.7
125	10.9	13.0	19.6





#92
 Benzo(g,h,i)perylene
 Concen: 3.783 ng
 RT: 17.551 min Scan# 21
 Delta R.T. -0.029 min
 Lab File: BF127101.D
 Acq: 28 Feb 2022 15:50

Instrument :
 BNA_F
 ClientSampleId :
 RO-72-11944



Tgt Ion:276 Resp: 3805
 Ion Ratio Lower Upper
 276 100
 277 21.2 18.5 27.7
 138 22.5 25.9 38.9

Manual Integrations
 APPROVED

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

