

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022822\
 Data File : BF127109.D
 Acq On : 28 Feb 2022 19:38
 Operator : CG\JU
 Sample : N1681-04 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2-1-8FT

Quant Time: Mar 01 01:40:23 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	6.898	152	118898	20.000	ng	-0.01
21) Naphthalene-d8	8.187	136	453760	20.000	ng	# 0.00
39) Acenaphthene-d10	9.945	164	203688	20.000	ng	0.00
64) Phenanthrene-d10	11.433	188	277322	20.000	ng	#-0.01
76) Chrysene-d12	14.080	240	193062	20.000	ng	# 0.00
86) Perylene-d12	15.580	264	136025	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	241606	31.407	ng	-0.01
7) Phenol-d6	6.522	99	323572	31.172	ng	-0.02
23) Nitrobenzene-d5	7.463	82	224489	22.331	ng	-0.01
42) 2,4,6-Tribromophenol	10.733	330	63451	27.056	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	348139	25.162	ng	-0.01
79) Terphenyl-d14	13.016	244	259770	19.780	ng	-0.01
Target Compounds						Qvalue
52) Acenaphthene	9.975	154	27609	2.184	ng	92
71) Phenanthrene	11.457	178	257208	16.570	ng	100
72) Anthracene	11.510	178	42147	2.727	ng	97
73) Carbazole	11.663	167	29645	2.092	ng	97
75) Fluoranthene	12.651	202	369926	25.099	ng	95
78) Pyrene	12.880	202	326574	19.470	ng	99
81) Benzo(a)anthracene	14.069	228	146016	11.219	ng	98
83) Chrysene	14.110	228	132806	10.851	ng	97
87) Indeno(1,2,3-cd)pyrene	17.098	276	41794	4.686	ng	# 81
88) Benzo(b)fluoranthene	15.139	252	130247m	14.257	ng	
89) Benzo(k)fluoranthene	15.163	252	34300m	3.892	ng	
90) Benzo(a)pyrene	15.516	252	75911m	10.638	ng	
92) Benzo(g,h,i)perylene	17.562	276	43176	5.937	ng	# 89

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

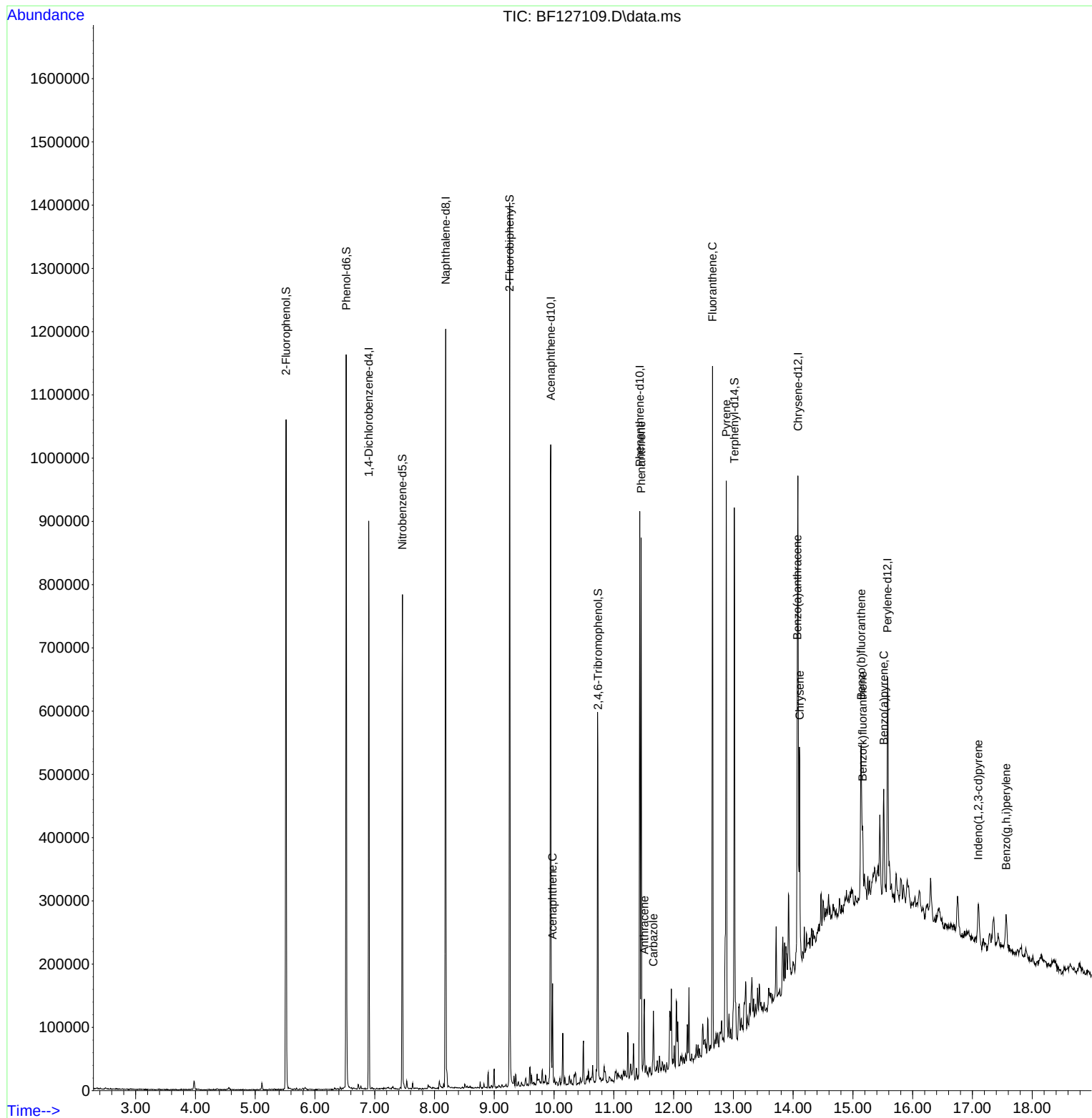
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022822\
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ALS Vial : 21 Sample Multiplier: 1

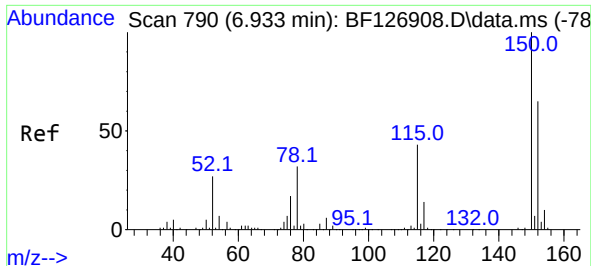
Instrument :
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Quant Time: Mar 01 01:40:23 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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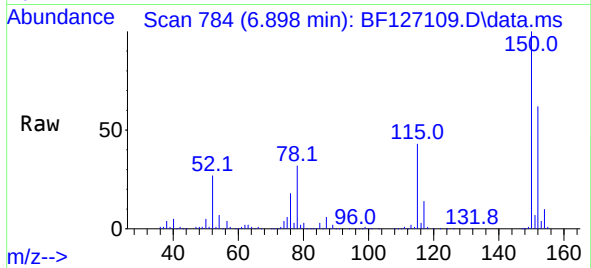
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF127109.D
Acq: 28 Feb 2022 19:38

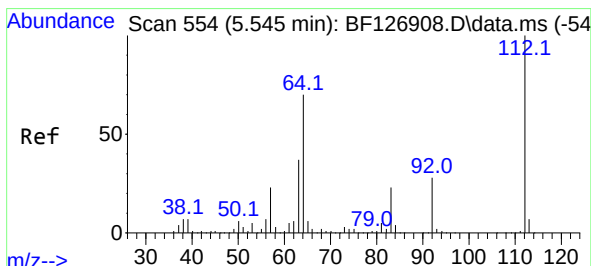
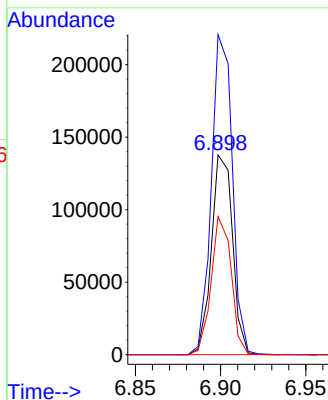
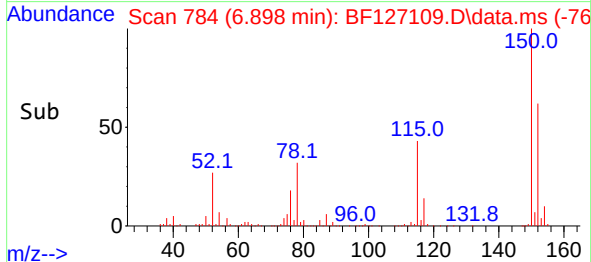
Instrument :
BNA_F
ClientSampleId :
TP-2-1-8FT



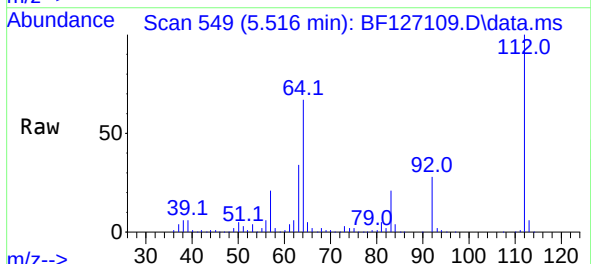
Tgt Ion:152 Resp: 118898
Ion Ratio Lower Upper
152 100
150 160.1 128.1 192.1
115 69.2 56.7 85.1

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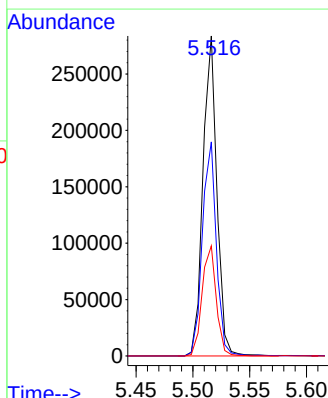
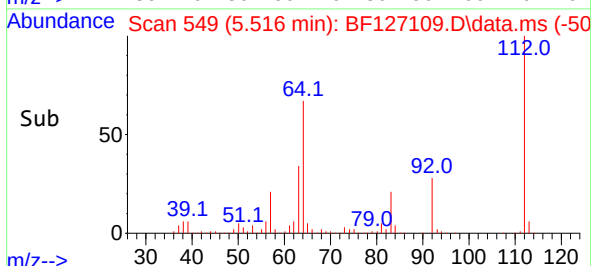
Reviewed By :Christian Giraldo 03/01/2022
Supervised By :Jagrut Upadhyay 03/01/2022

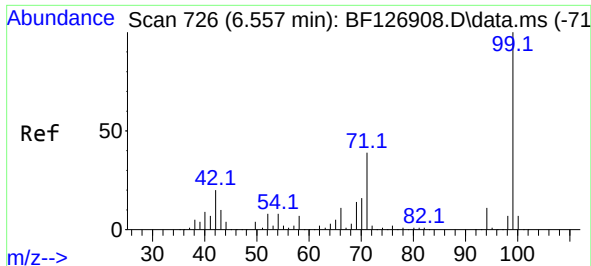


#5
2-Fluorophenol
Concen: 31.407 ng
RT: 5.516 min Scan# 549
Delta R.T. -0.012 min
Lab File: BF127109.D
Acq: 28 Feb 2022 19:38



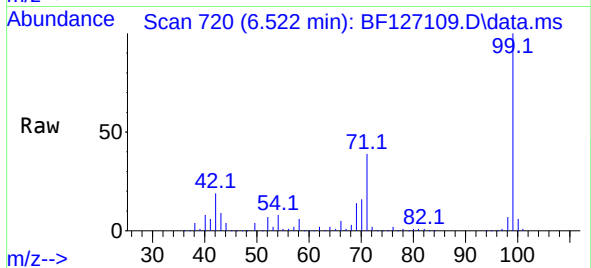
Tgt Ion:112 Resp: 241606
Ion Ratio Lower Upper
112 100
64 66.9 49.5 74.3
63 34.4 23.9 35.9





#7
Phenol-d6
Concen: 31.172 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF127109.D
Acq: 28 Feb 2022 19:38

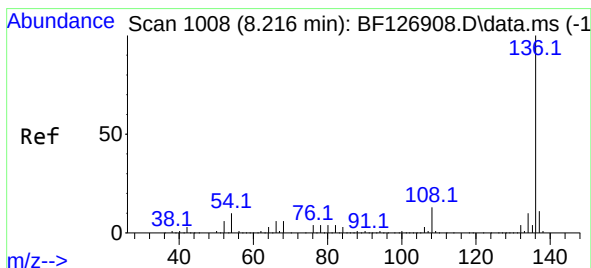
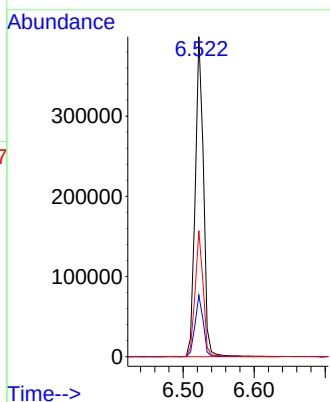
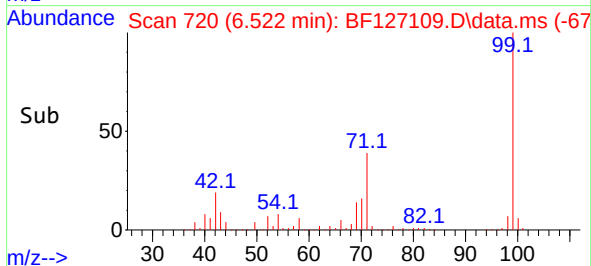
Instrument :
BNA_F
ClientSampleId :
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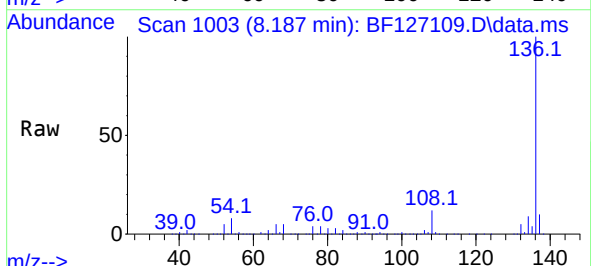
Tgt Ion: 99 Resp: 323572
Ion Ratio Lower Upper
99 100
42 19.2 14.2 21.4
71 39.4 24.3 36.5

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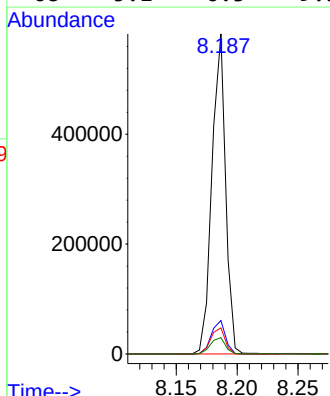
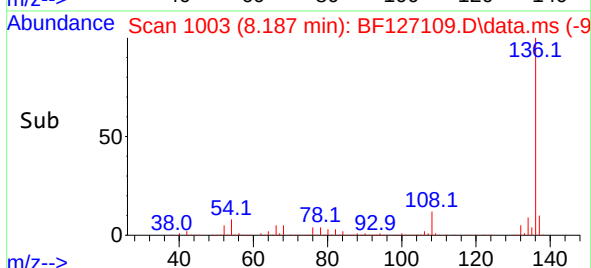
Reviewed By :Christian Giraldo 03/01/2022
Supervised By :Jagrut Upadhyay 03/01/2022

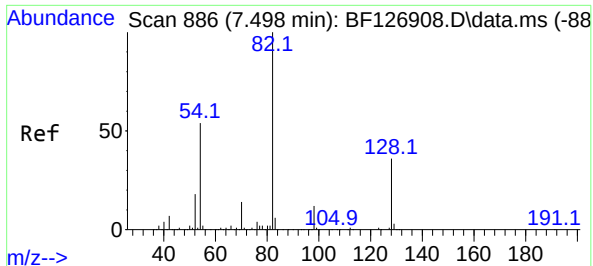


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.187 min Scan# 1003
Delta R.T. -0.006 min
Lab File: BF127109.D
Acq: 28 Feb 2022 19:38



Tgt Ion:136 Resp: 453760
Ion Ratio Lower Upper
136 100
137 10.4 8.6 13.0
54 8.2 7.8 11.6
68 5.1 6.3 9.5





#23

Nitrobenzene-d5

Concen: 22.331 ng

RT: 7.463 min Scan# 80

Delta R.T. -0.012 min

Lab File: BF127109.D

Acq: 28 Feb 2022 19:38

Instrument :

BNA_F

ClientSampleId :

TP-2-1-8FT

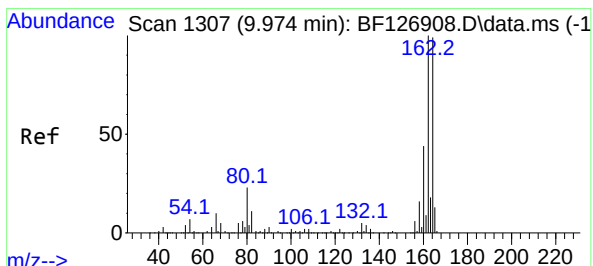
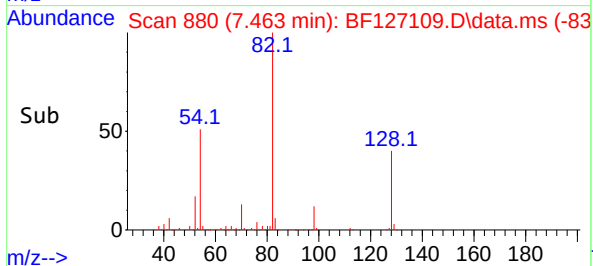
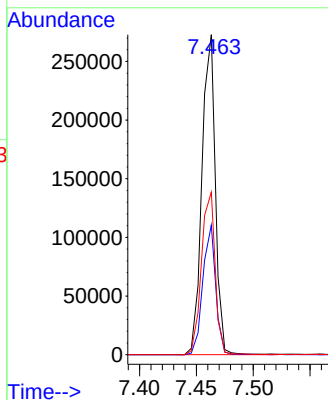
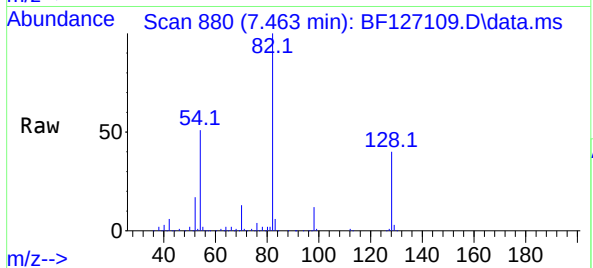
Tgt Ion: 82 Resp: 224489

Ion	Ratio	Lower	Upper
82	100		
128	40.5	32.7	49.1
54	50.8	41.7	62.5

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.945 min Scan# 1302

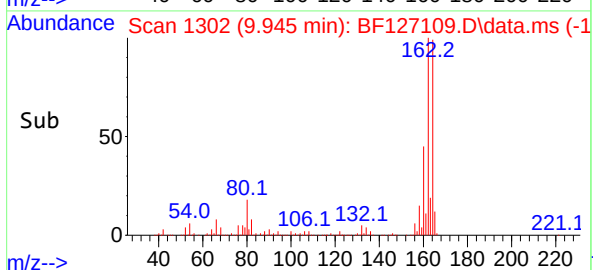
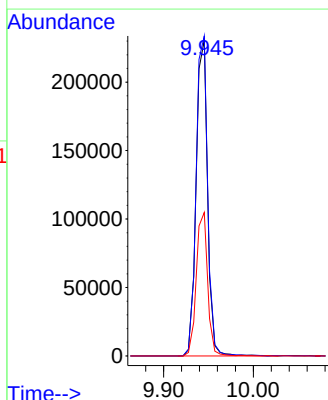
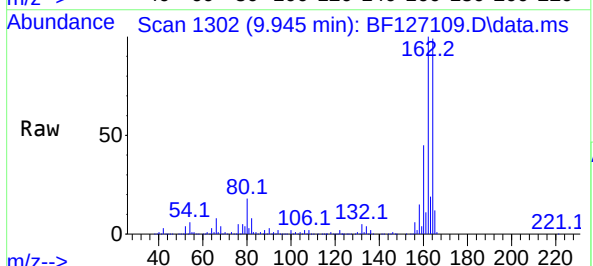
Delta R.T. -0.006 min

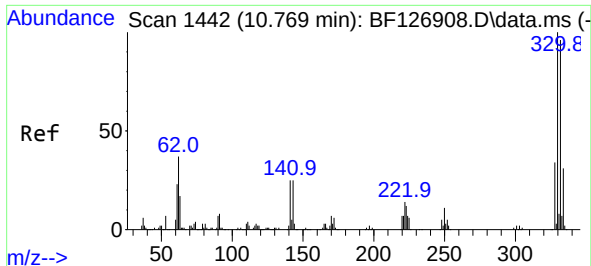
Lab File: BF127109.D

Acq: 28 Feb 2022 19:38

Tgt Ion:164 Resp: 203688

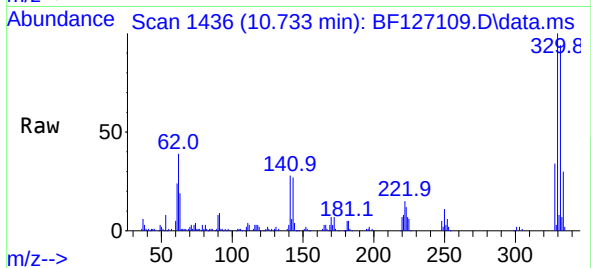
Ion	Ratio	Lower	Upper
164	100		
162	101.4	81.4	122.0
160	45.5	36.6	54.8





#42
2,4,6-Tribromophenol
Concen: 27.056 ng
RT: 10.733 min Scan# 1442
Delta R.T. -0.012 min
Lab File: BF127109.D
Acq: 28 Feb 2022 19:38

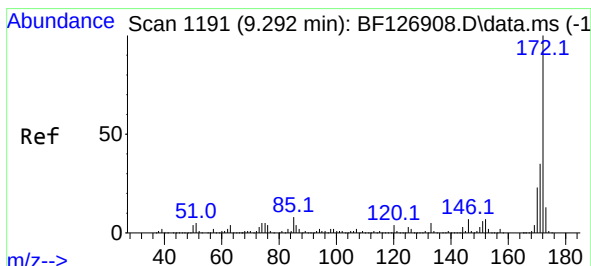
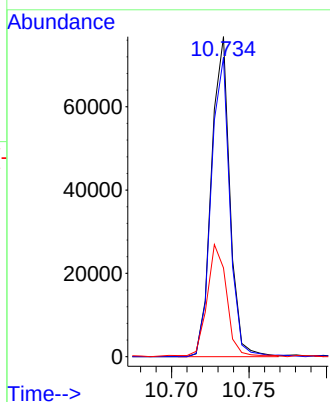
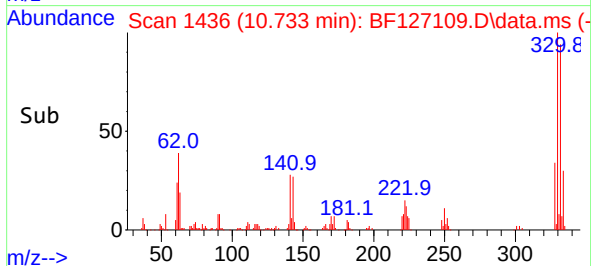
Instrument :
BNA_F
ClientSampleId :
TP-2-1-8FT



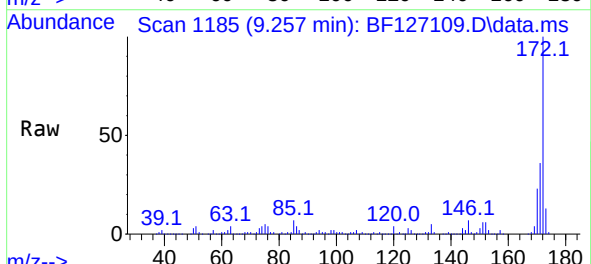
Tgt Ion: 330 Resp: 6345
Ion Ratio Lower Upper
330 100
332 94.4 76.0 114.0
141 37.7 30.1 45.1

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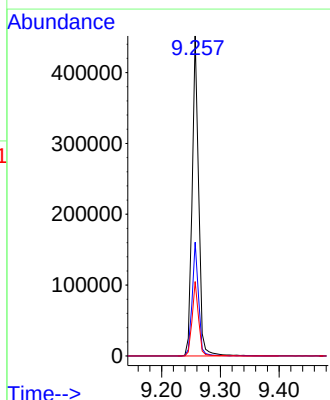
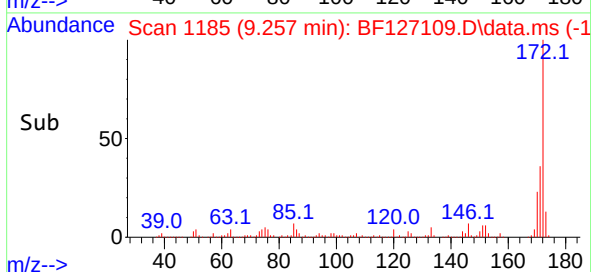
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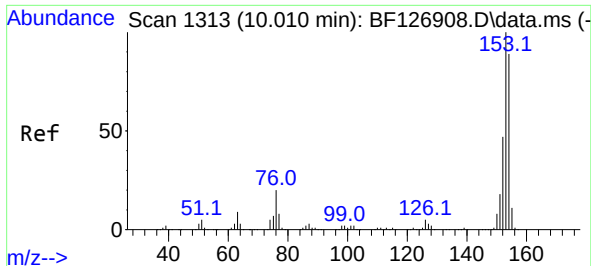


#45
2-Fluorobiphenyl
Concen: 25.162 ng
RT: 9.257 min Scan# 1185
Delta R.T. -0.012 min
Lab File: BF127109.D
Acq: 28 Feb 2022 19:38



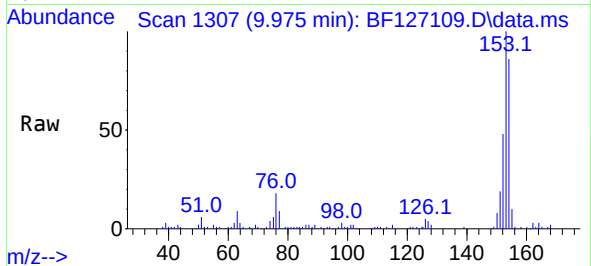
Tgt Ion: 172 Resp: 348139
Ion Ratio Lower Upper
172 100
171 35.6 28.3 42.5
170 23.3 19.0 28.6





#52
Acenaphthene
Concen: 2.184 ng
RT: 9.975 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF127109.D
Acq: 28 Feb 2022 19:38

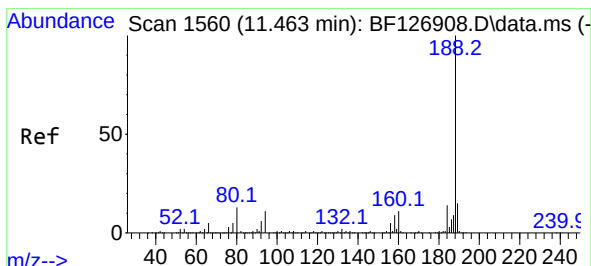
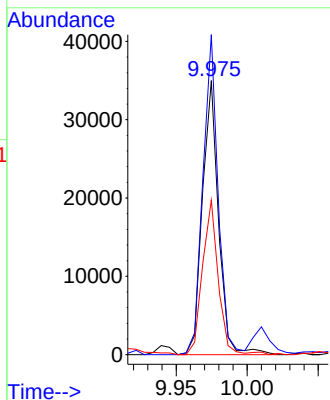
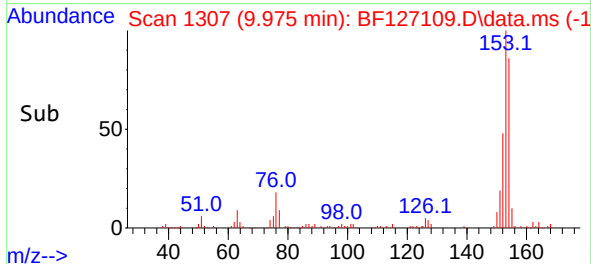
Instrument :
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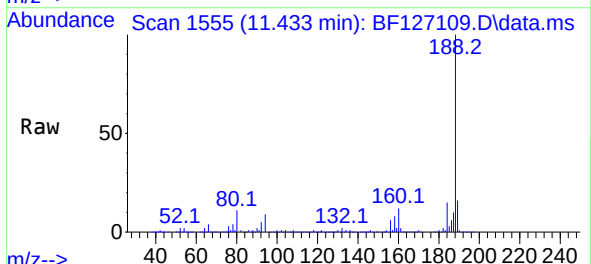
Tgt Ion:154 Resp: 27609
Ion Ratio Lower Upper
154 100
153 116.8 87.8 131.6
152 56.4 39.4 59.2

Manual Integrations
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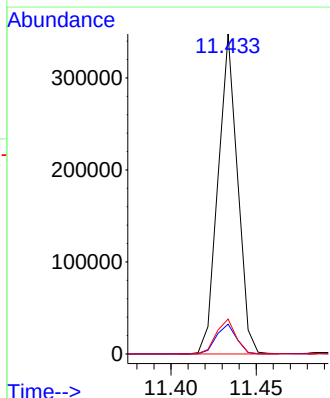
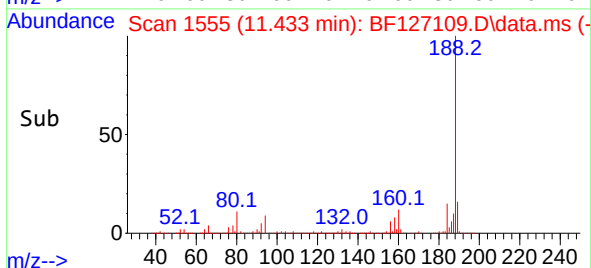
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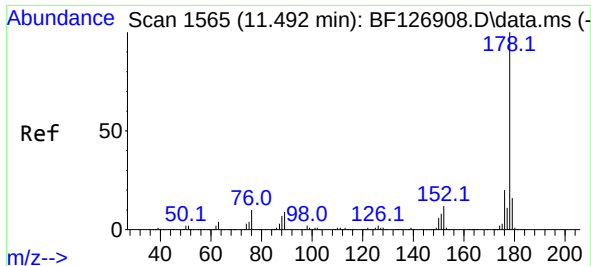


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.433 min Scan# 1555
Delta R.T. -0.012 min
Lab File: BF127109.D
Acq: 28 Feb 2022 19:38



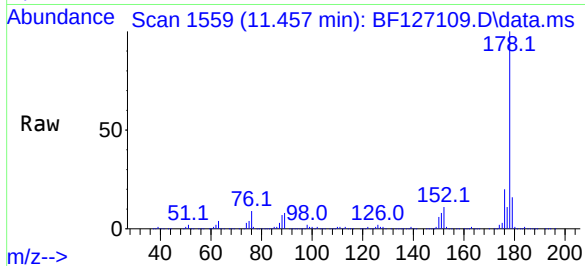
Tgt Ion:188 Resp: 277322
Ion Ratio Lower Upper
188 100
94 9.3 10.1 15.1#
80 10.9 11.8 17.6#





#71
Phenanthrene
Concen: 16.570 ng
RT: 11.457 min Scan# 1559
Delta R.T. -0.012 min
Lab File: BF127109.D
Acq: 28 Feb 2022 19:38

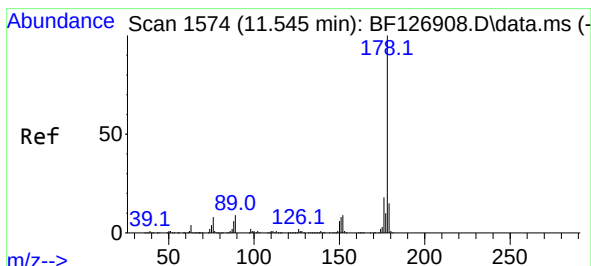
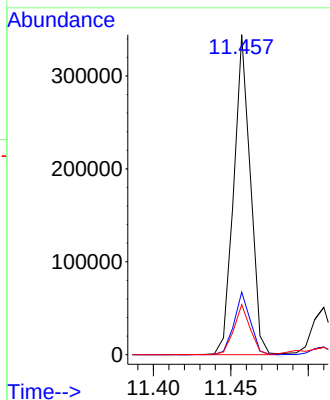
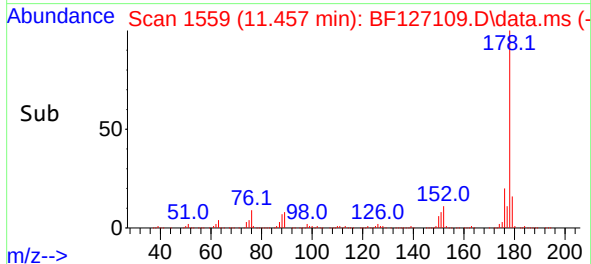
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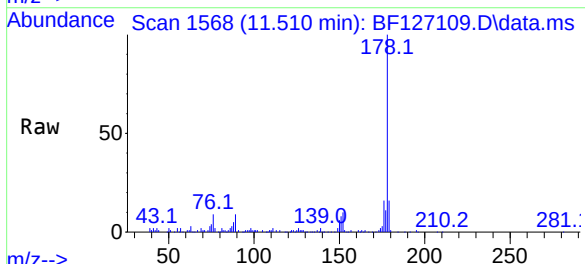
Tgt Ion:178 Resp: 257208
Ion Ratio Lower Upper
178 100
176 19.5 15.7 23.5
179 15.7 12.3 18.5

Manual Integrations
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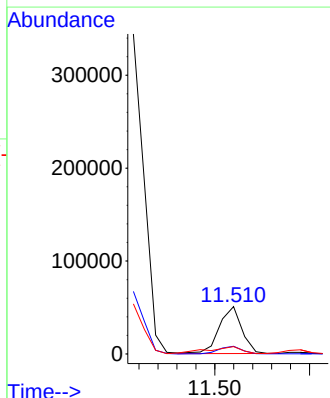
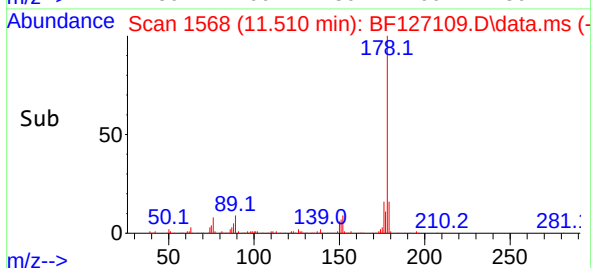
Reviewed By :Christian Giraldo 03/01/2022
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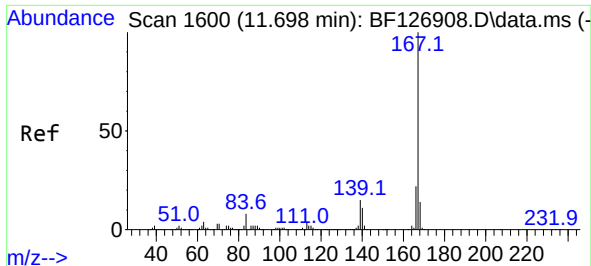


#72
Anthracene
Concen: 2.727 ng
RT: 11.510 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF127109.D
Acq: 28 Feb 2022 19:38



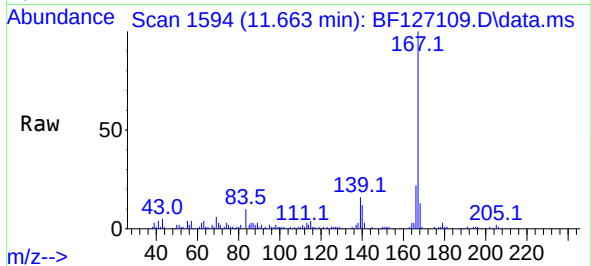
Tgt Ion:178 Resp: 42147
Ion Ratio Lower Upper
178 100
176 16.2 15.0 22.6
179 15.5 12.5 18.7





#73
 Carbazole
 Concen: 2.092 ng
 RT: 11.663 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF127109.D
 Acq: 28 Feb 2022 19:38

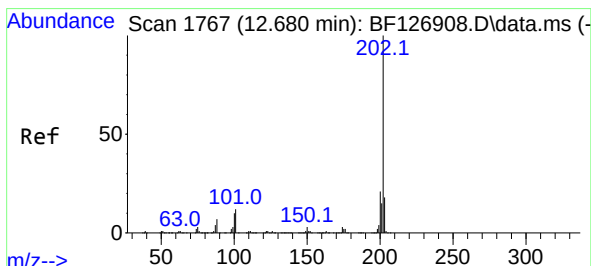
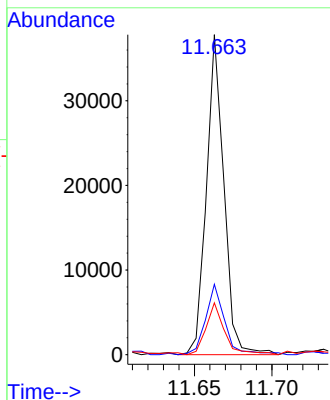
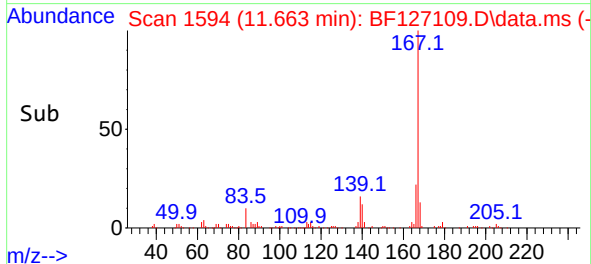
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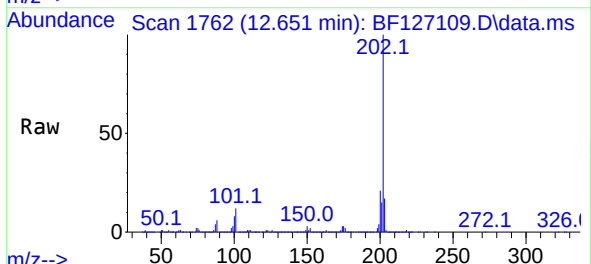
Tgt Ion:167 Resp: 2964
 Ion Ratio Lower Upper
 167 100
 166 22.0 16.9 25.3
 139 16.2 11.3 16.9

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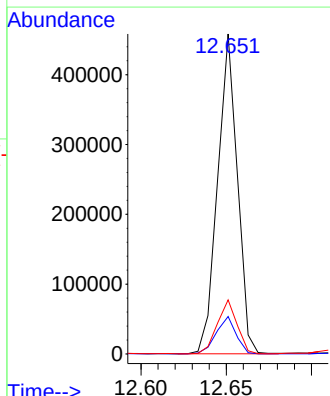
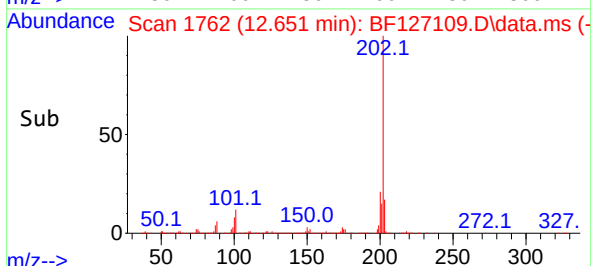
Reviewed By :Christian Giraldo 03/01/2022
 Supervised By :Jagrut Upadhyay 03/01/2022

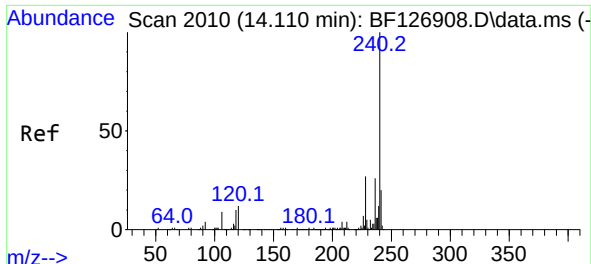


#75
 Fluoranthene
 Concen: 25.099 ng
 RT: 12.651 min Scan# 1762
 Delta R.T. -0.006 min
 Lab File: BF127109.D
 Acq: 28 Feb 2022 19:38



Tgt Ion:202 Resp: 369926
 Ion Ratio Lower Upper
 202 100
 101 11.7 0.0 35.7
 203 16.9 0.0 37.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.080 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BF127109.D
Acq: 28 Feb 2022 19:38

Instrument :

BNA_F

ClientSampleId :

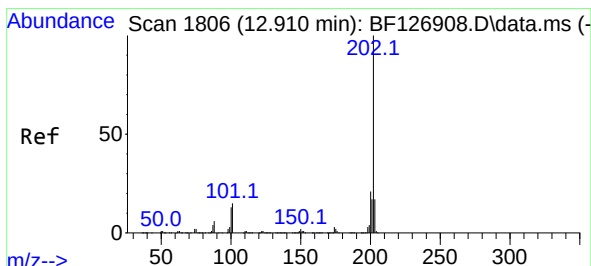
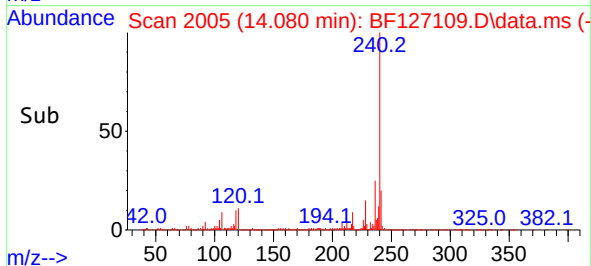
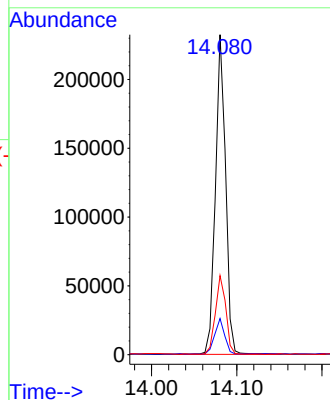
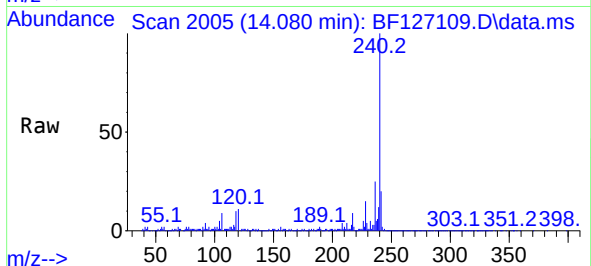
TP-2-1-8FT

Tgt Ion:240 Resp: 193062
Ion Ratio Lower Upper
240 100
120 11.3 14.4 21.6
236 24.7 20.5 30.7

Manual Integrations

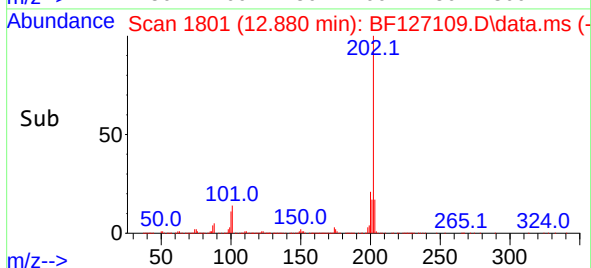
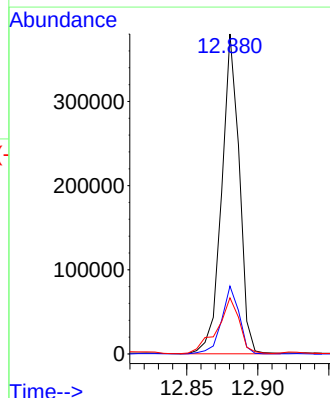
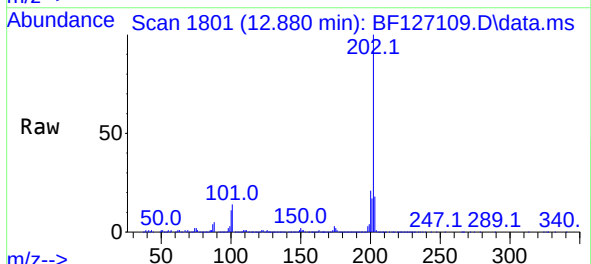
APPROVED

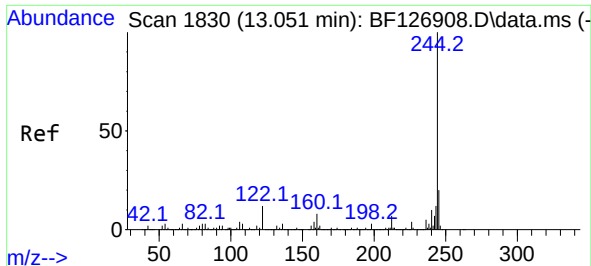
Reviewed By :Christian Giraldo 03/01/2022
Supervised By :Jagrut Upadhyay 03/01/2022



#78
Pyrene
Concen: 19.470 ng
RT: 12.880 min Scan# 1801
Delta R.T. -0.012 min
Lab File: BF127109.D
Acq: 28 Feb 2022 19:38

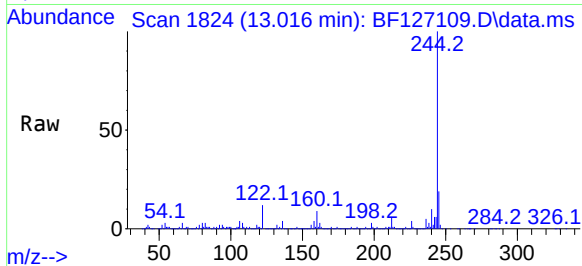
Tgt Ion:202 Resp: 326574
Ion Ratio Lower Upper
202 100
200 21.2 16.6 24.8
203 17.5 13.8 20.8





#79
 Terphenyl-d14
 Concen: 19.780 ng
 RT: 13.016 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF127109.D
 Acq: 28 Feb 2022 19:38

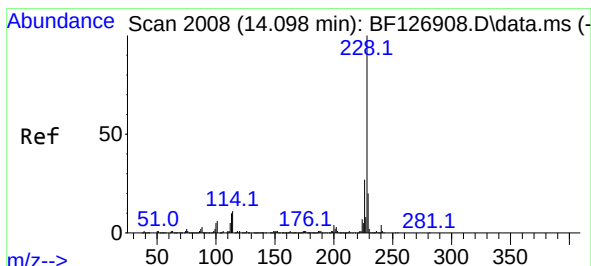
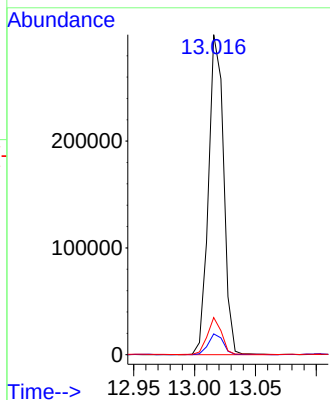
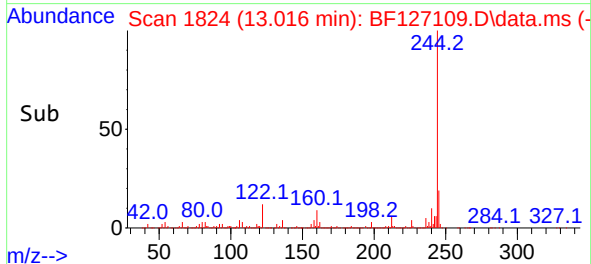
Instrument :
 BNA_F
 ClientSampleId :
 TP-2-1-8FT



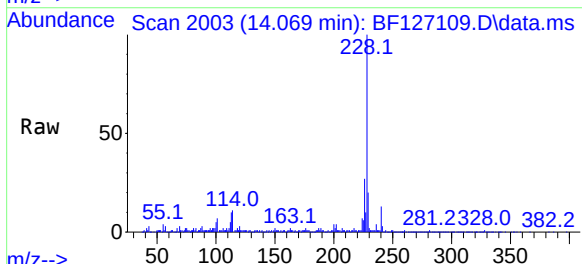
Tgt Ion:244 Resp: 259770
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.0 7.4
 122 11.6 13.3 19.9

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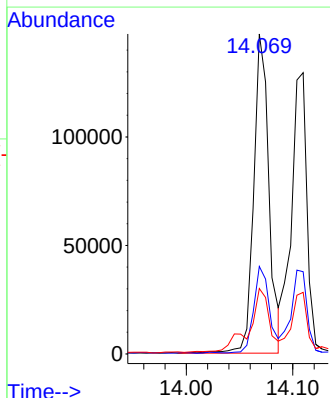
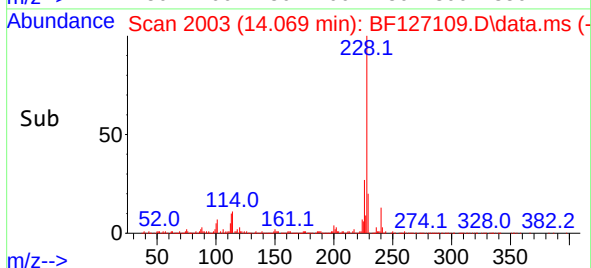
Reviewed By :Christian Giraldo 03/01/2022
 Supervised By :Jagrut Upadhyay 03/01/2022

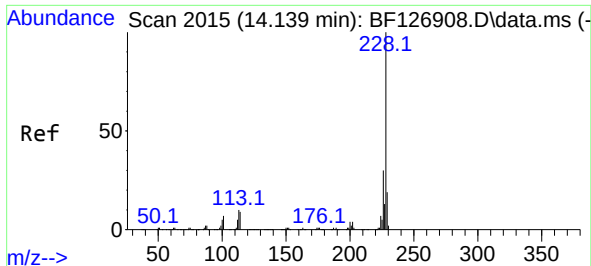


#81
 Benzo(a)anthracene
 Concen: 11.219 ng
 RT: 14.069 min Scan# 2003
 Delta R.T. -0.012 min
 Lab File: BF127109.D
 Acq: 28 Feb 2022 19:38



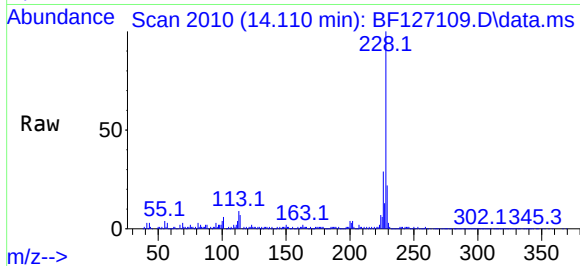
Tgt Ion:228 Resp: 146016
 Ion Ratio Lower Upper
 228 100
 226 27.4 21.4 32.0
 229 20.5 15.4 23.2





#83
Chrysene
Concen: 10.851 ng
RT: 14.110 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF127109.D
Acq: 28 Feb 2022 19:38

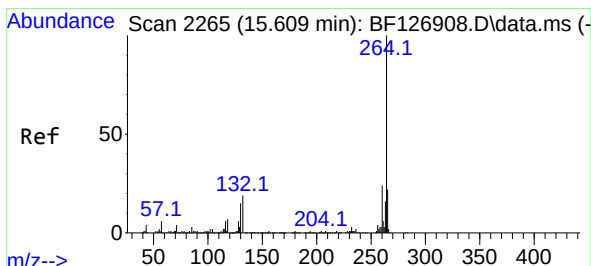
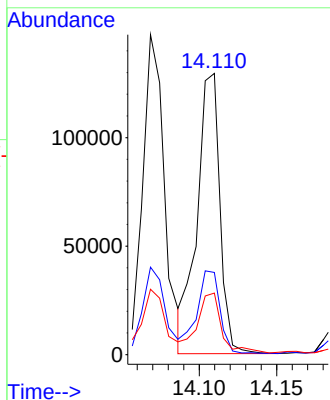
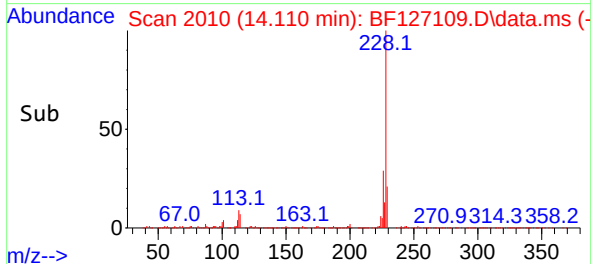
Instrument :
BNA_F
ClientSampleId :
TP-2-1-8FT



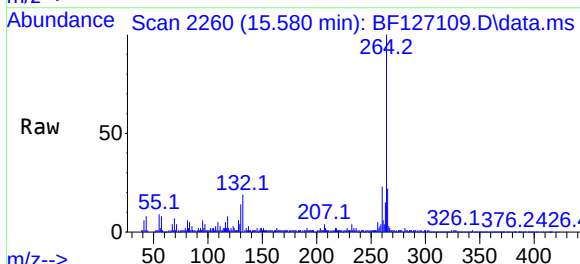
Tgt Ion:228 Resp: 132800
Ion Ratio Lower Upper
228 100
226 29.2 23.7 35.5
229 21.9 15.5 23.3

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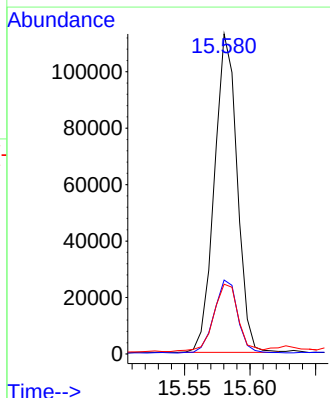
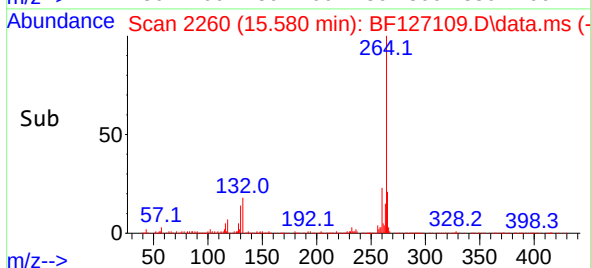
Reviewed By :Christian Giraldo 03/01/2022
Supervised By :Jagrut Upadhyay 03/01/2022

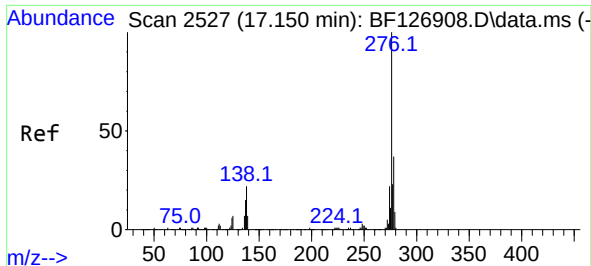


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.580 min Scan# 2260
Delta R.T. -0.006 min
Lab File: BF127109.D
Acq: 28 Feb 2022 19:38



Tgt Ion:264 Resp: 136025
Ion Ratio Lower Upper
264 100
260 23.1 19.2 28.8
265 21.8 17.4 26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 4.686 ng
RT: 17.098 min Scan# 2185
Delta R.T. -0.017 min
Lab File: BF127109.D
Acq: 28 Feb 2022 19:38

Instrument :

BNA_F

ClientSampleId :

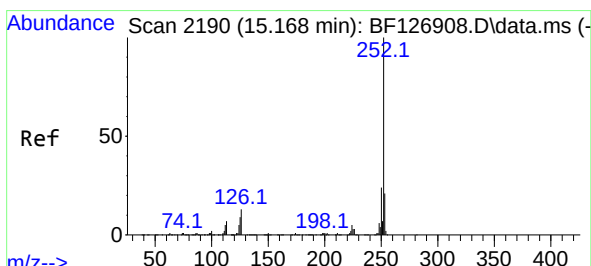
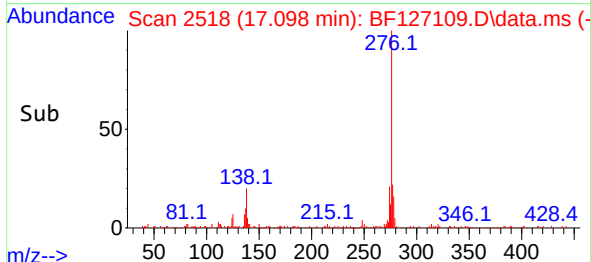
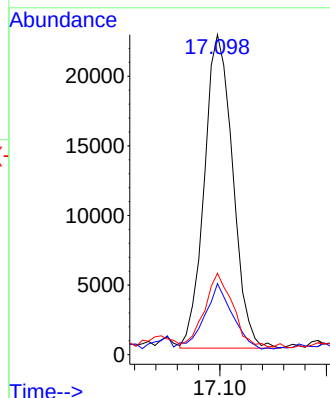
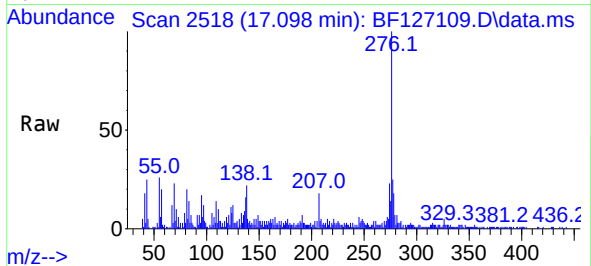
TP-2-1-8FT

Tgt Ion:276 Resp: 41794
Ion Ratio Lower Upper
276 100
138 19.7 29.2 43.8
277 22.6 19.8 29.8

Manual Integrations

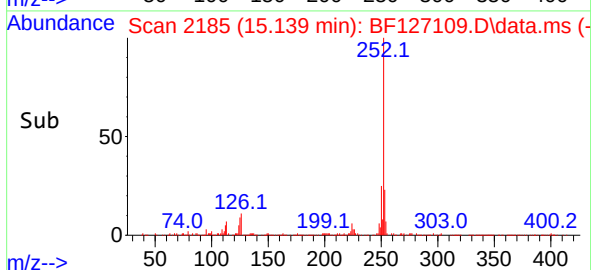
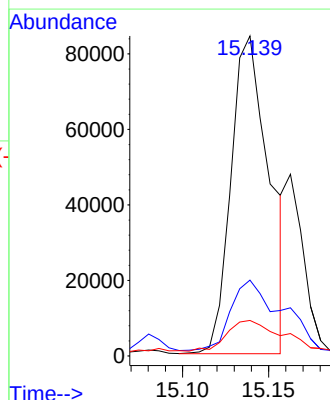
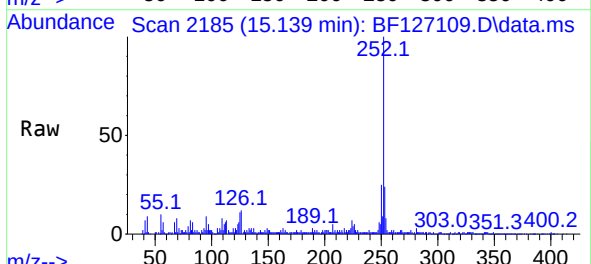
APPROVED

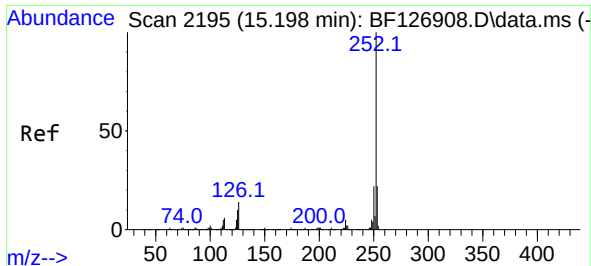
Reviewed By :Christian Giraldo 03/01/2022
Supervised By :Jagrut Upadhyay 03/01/2022



#88
Benzo(b)fluoranthene
Concen: 14.257 ng m
RT: 15.139 min Scan# 2185
Delta R.T. -0.006 min
Lab File: BF127109.D
Acq: 28 Feb 2022 19:38

Tgt Ion:252 Resp: 130247
Ion Ratio Lower Upper
252 100
253 23.7 17.8 26.8
125 11.1 12.4 18.6#





#89

Benzo(k)fluoranthene

Concen: 3.892 ng m

RT: 15.163 min Scan# 2195

Delta R.T. -0.012 min

Lab File: BF127109.D

Acq: 28 Feb 2022 19:38

Instrument :

BNA_F

ClientSampleId :

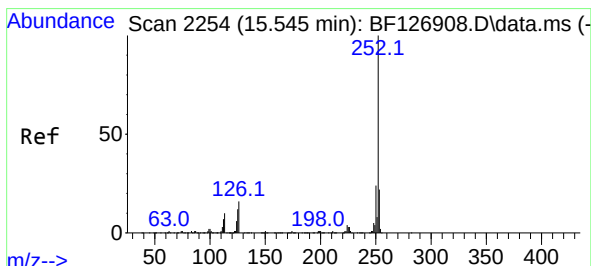
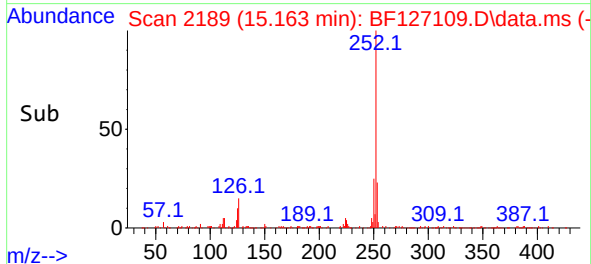
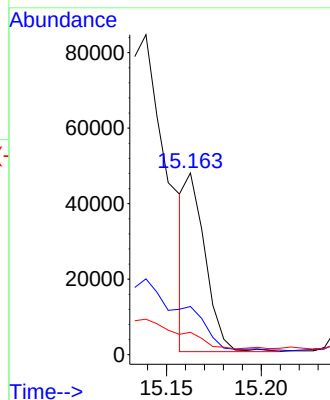
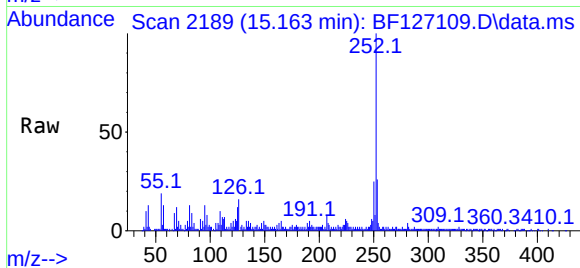
TP-2-1-8FT

Tgt Ion:252	Resp:	34300
Ion Ratio	Lower	Upper
252	100	
253	26.5	17.5 26.3
125	12.3	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: 10.638 ng m

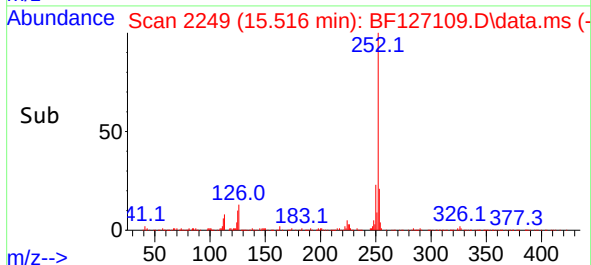
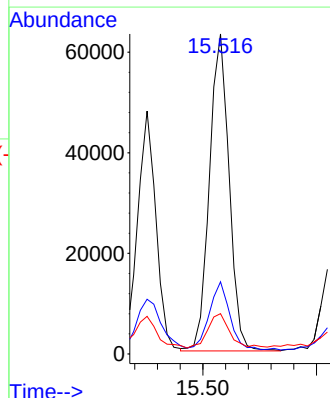
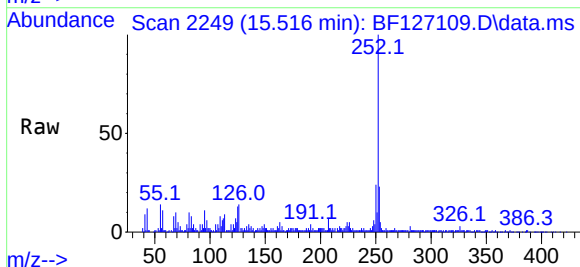
RT: 15.516 min Scan# 2249

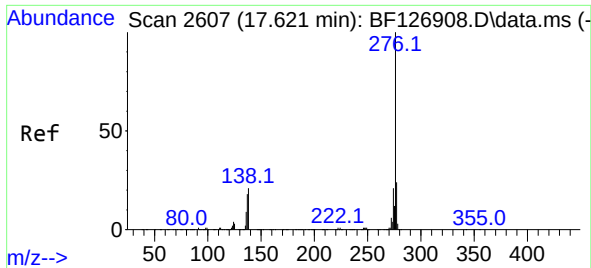
Delta R.T. -0.006 min

Lab File: BF127109.D

Acq: 28 Feb 2022 19:38

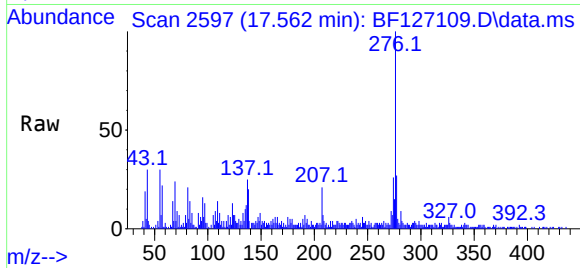
Tgt Ion:252	Resp:	75911
Ion Ratio	Lower	Upper
252	100	
253	22.5	17.1 25.7
125	12.6	13.0 19.6





#92
Benzo(g,h,i)perylene
Concen: 5.937 ng
RT: 17.562 min Scan# 21
Delta R.T. -0.017 min
Lab File: BF127109.D
Acq: 28 Feb 2022 19:38

Instrument :
BNA_F
ClientSampleId :
TP-2-1-8FT



Tgt Ion:276 Resp: 43170
Ion Ratio Lower Upper
276 100
277 26.7 18.5 27.7
138 24.3 25.9 38.9

Manual Integrations
APPROVED

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

