

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030222\
 Data File : BF127157.D
 Acq On : 02 Mar 2022 20:04
 Operator : CG\JU
 Sample : N1721-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUM-1

Manual Integrations
 APPROVED

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

Quant Time: Mar 03 00:57:52 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 01 23:57:09 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	80160	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	315017	20.000	ng	# 0.00
39) Acenaphthene-d10	9.928	164	146881	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	215253	20.000	ng	# 0.00
76) Chrysene-d12	14.069	240	130891	20.000	ng	# 0.00
86) Perylene-d12	15.563	264	147778	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	604586	116.571	ng	0.00
7) Phenol-d6	6.516	99	683047	97.602	ng	0.00
23) Nitrobenzene-d5	7.451	82	470073	67.355	ng	-0.01
42) 2,4,6-Tribromophenol	10.722	330	161513	95.506	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	738145	73.983	ng	0.00
79) Terphenyl-d14	13.004	244	465127	52.239	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.445	178	195343	16.214	ng	99
72) Anthracene	11.492	178	24924	2.078	ng	98
75) Fluoranthene	12.639	202	410144	35.853	ng	93
78) Pyrene	12.869	202	347891	30.593	ng	99
81) Benzo(a)anthracene	14.057	228	164253	18.614	ng	98
83) Chrysene	14.092	228	154597	18.631	ng	97
87) Indeno(1,2,3-cd)pyrene	17.068	276	101986	10.525	ng	# 81
88) Benzo(b)fluoranthene	15.121	252	254917m	25.684	ng	
89) Benzo(k)fluoranthene	15.145	252	70514m	7.366	ng	
90) Benzo(a)pyrene	15.498	252	170435	21.984	ng	# 90
91) Dibenzo(a,h)anthracene	17.080	278	22322	2.785	ng	# 89
92) Benzo(g,h,i)perylene	17.527	276	95656	12.107	ng	# 83

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

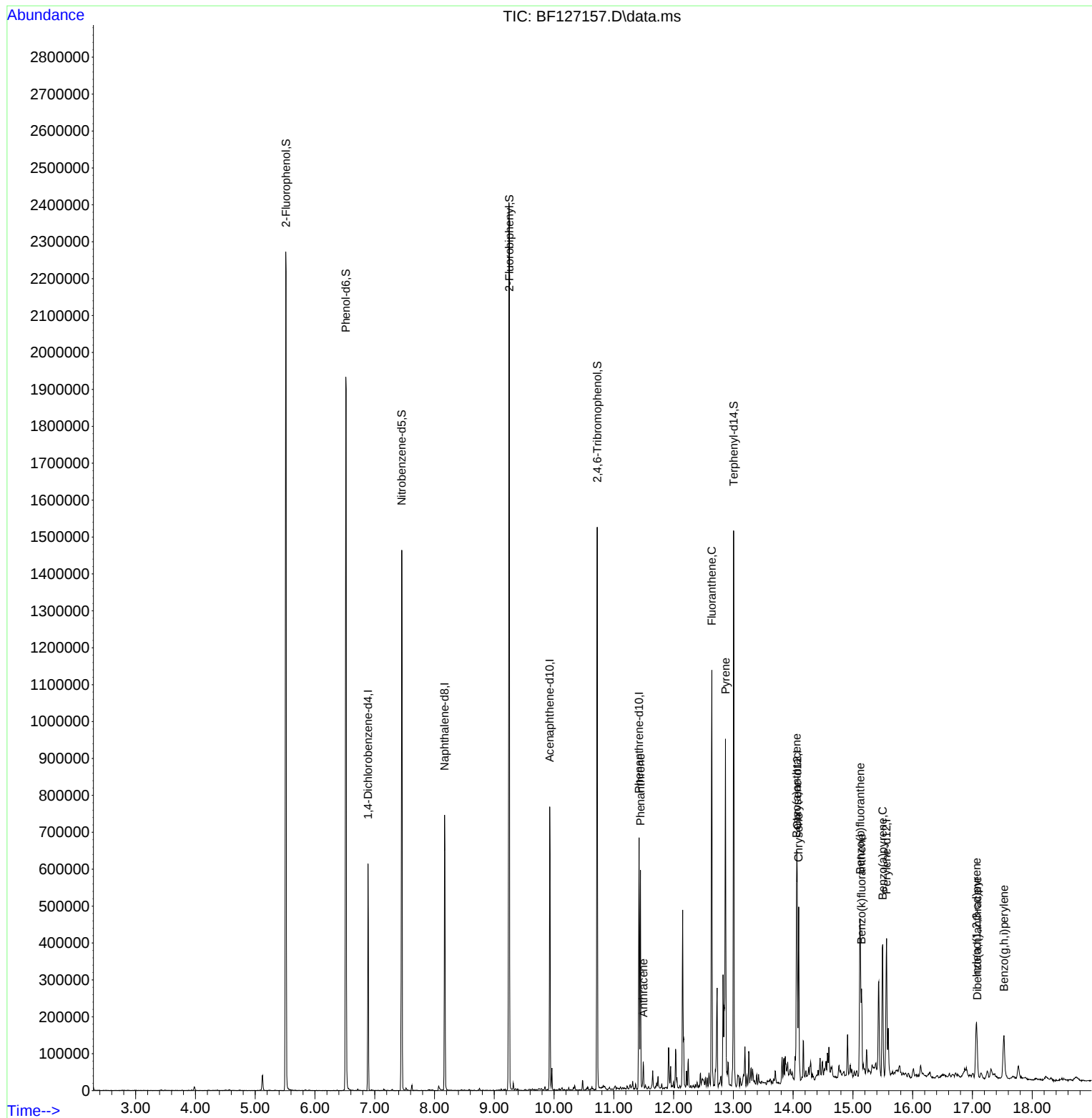
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030222\
Data File : BF127157.D
Acq On : 02 Mar 2022 20:04
Operator : CG\JU
Sample : N1721-01
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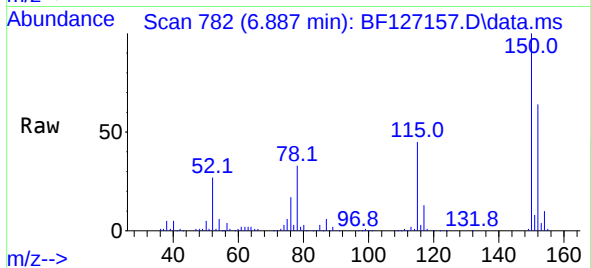
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF127157.D
Acq: 02 Mar 2022 20:04

Instrument :

BNA_F

ClientSampleId :

DUM-1

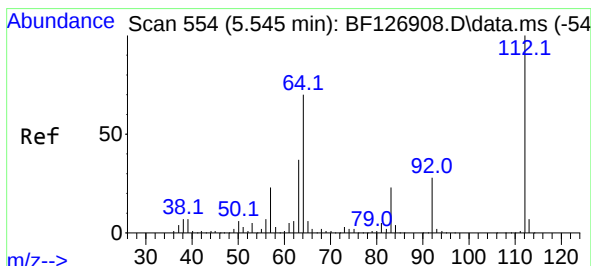
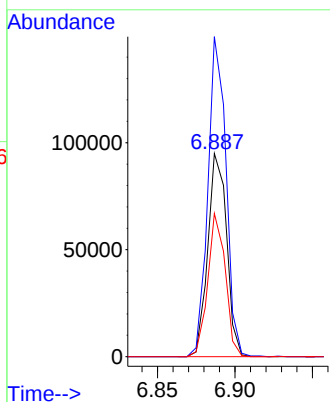
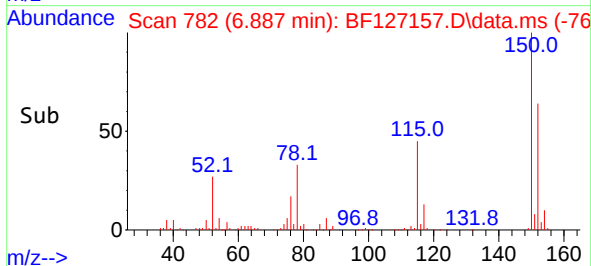


Tgt Ion:152 Resp: 80160
Ion Ratio Lower Upper
152 100
150 157.4 128.1 192.1
115 70.5 56.7 85.1

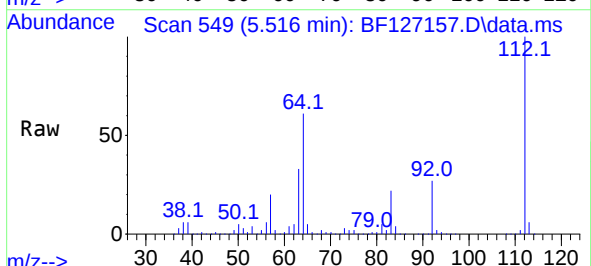
Manual Integrations

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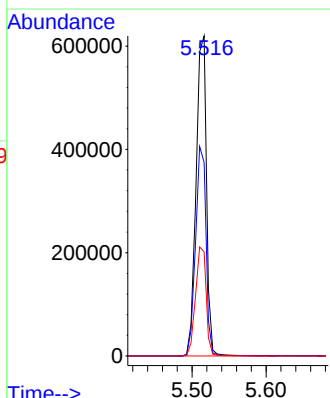
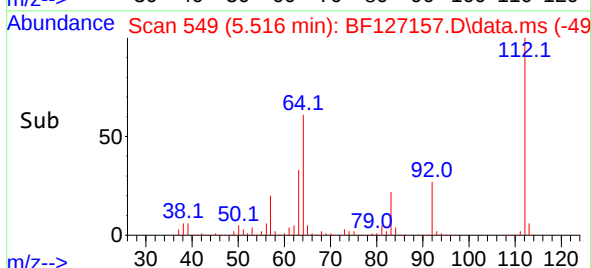
Reviewed By :Christian Giraldo 03/03/2022
Supervised By :Jagrut Upadhyay 03/03/2022



#5
2-Fluorophenol
Concen: 116.571 ng
RT: 5.516 min Scan# 549
Delta R.T. 0.006 min
Lab File: BF127157.D
Acq: 02 Mar 2022 20:04



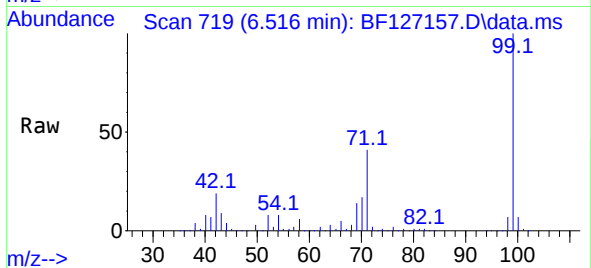
Tgt Ion:112 Resp: 604586
Ion Ratio Lower Upper
112 100
64 60.5 49.5 74.3
63 32.6 23.9 35.9





#7
Phenol-d6
Concen: 97.602 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF127157.D
Acq: 02 Mar 2022 20:04

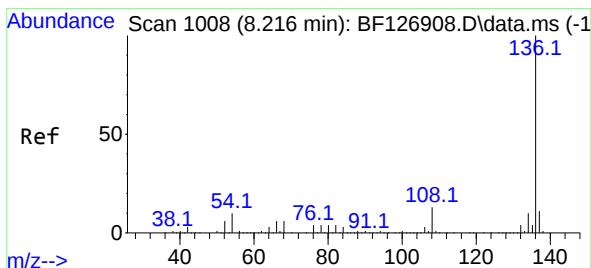
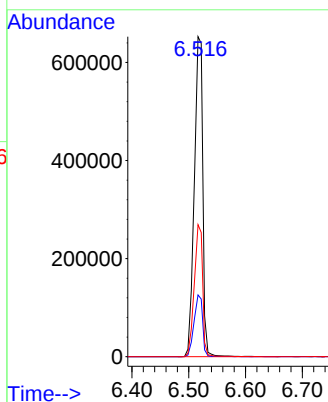
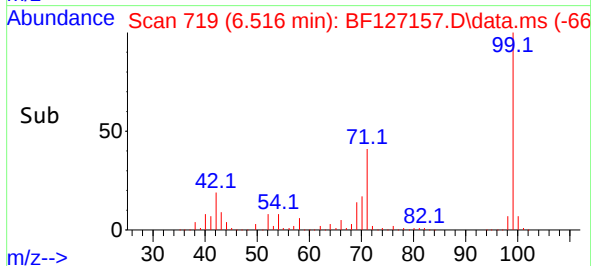
Instrument :
BNA_F
ClientSampleId :
DUM-1



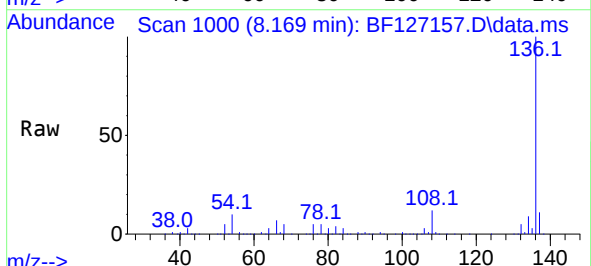
Tgt Ion: 99 Resp: 68304
Ion Ratio Lower Upper
99 100
42 19.3 14.2 21.4
71 41.3 24.3 36.5

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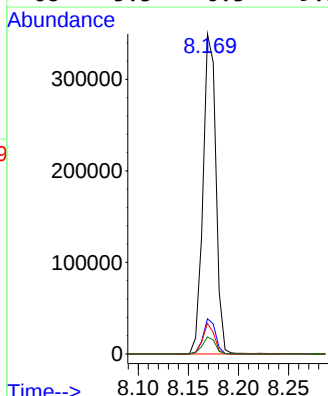
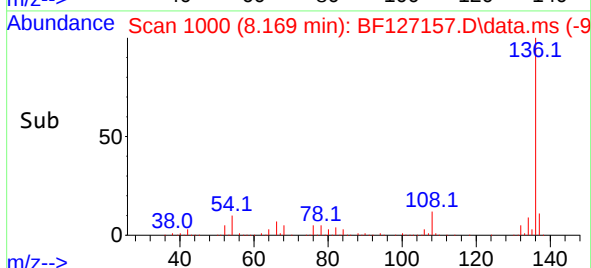
Reviewed By :Christian Giraldo 03/03/2022
Supervised By :Jagrut Upadhyay 03/03/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1000
Delta R.T. -0.006 min
Lab File: BF127157.D
Acq: 02 Mar 2022 20:04



Tgt Ion:136 Resp: 315017
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 9.5 7.8 11.6
68 5.3 6.3 9.5





#23

Nitrobenzene-d5

Concen: 67.355 ng

RT: 7.451 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF127157.D

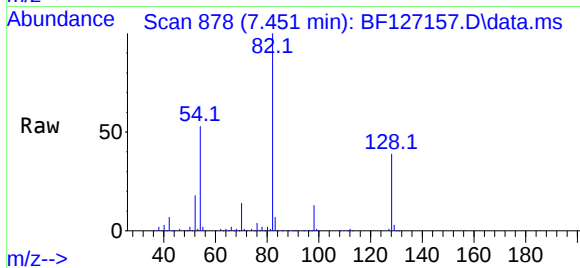
Acq: 02 Mar 2022 20:04

Instrument :

BNA_F

ClientSampleId :

DUM-1



Tgt Ion: 82 Resp: 47007

Ion Ratio Lower Upper

82 100

128 38.7 32.7 49.1

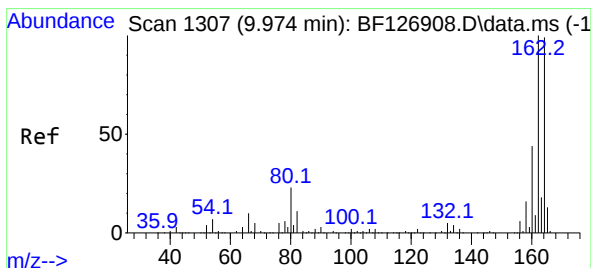
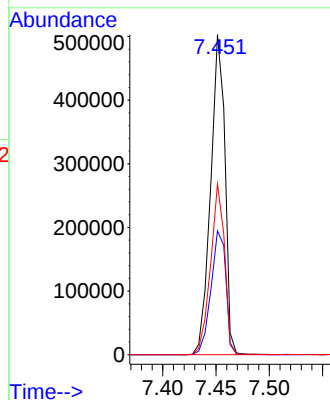
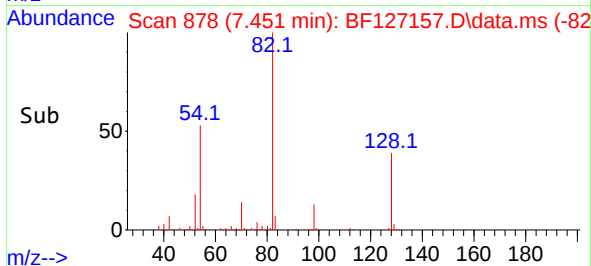
54 53.4 41.7 62.5

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 1299

Delta R.T. -0.012 min

Lab File: BF127157.D

Acq: 02 Mar 2022 20:04

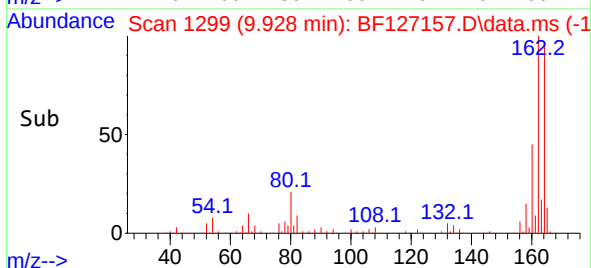
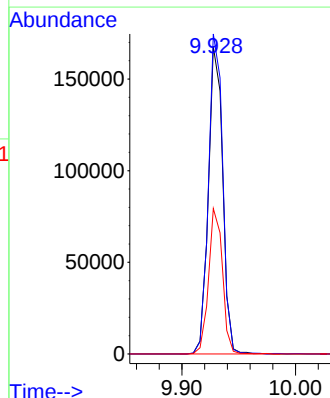
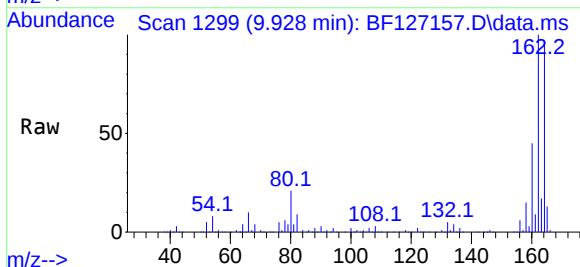
Tgt Ion:164 Resp: 146881

Ion Ratio Lower Upper

164 100

162 104.1 81.4 122.0

160 47.3 36.6 54.8





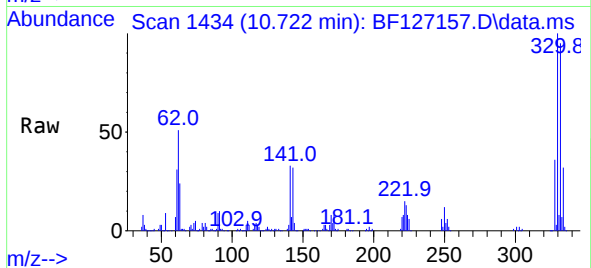
#42
2,4,6-Tribromophenol
Concen: 95.506 ng
RT: 10.722 min Scan# 1442
Delta R.T. -0.006 min
Lab File: BF127157.D
Acq: 02 Mar 2022 20:04

Instrument :

BNA_F

ClientSampleId :

DUM-1

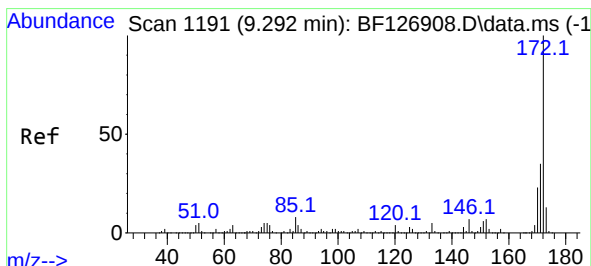
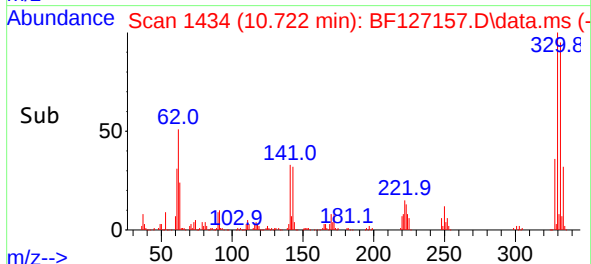
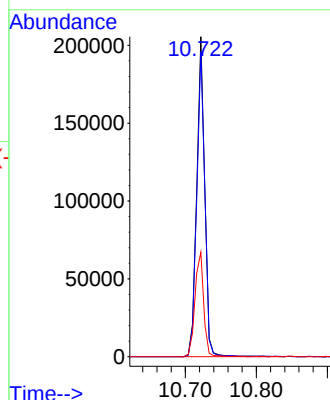


Tgt Ion:330 Resp: 161511
Ion Ratio Lower Upper
330 100
332 96.1 76.0 114.0
141 35.6 30.1 45.1

Manual Integrations

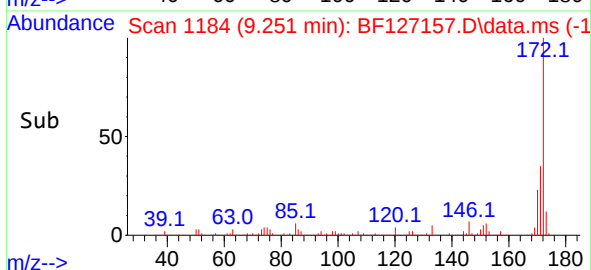
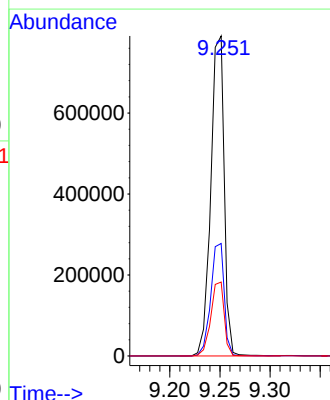
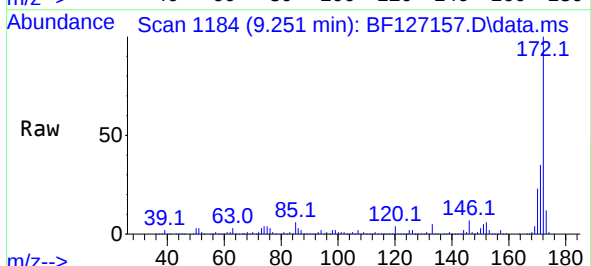
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Reviewed By :Christian Giraldo 03/03/2022
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#45
2-Fluorobiphenyl
Concen: 73.983 ng
RT: 9.251 min Scan# 1184
Delta R.T. 0.000 min
Lab File: BF127157.D
Acq: 02 Mar 2022 20:04

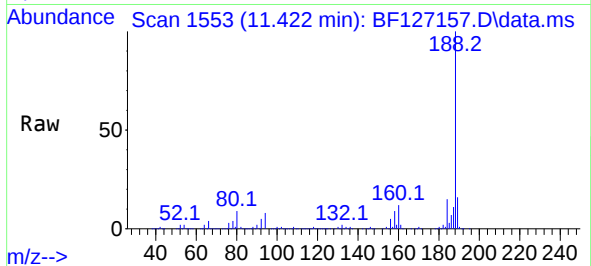
Tgt Ion:172 Resp: 738145
Ion Ratio Lower Upper
172 100
171 35.1 28.3 42.5
170 23.1 19.0 28.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 11553
Delta R.T. -0.006 min
Lab File: BF127157.D
Acq: 02 Mar 2022 20:04

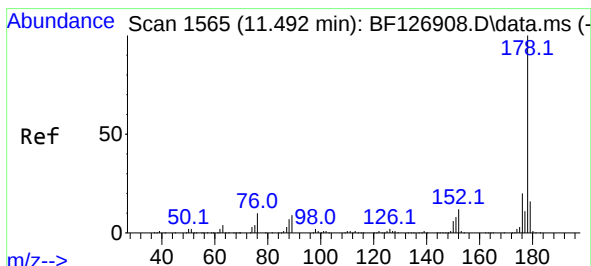
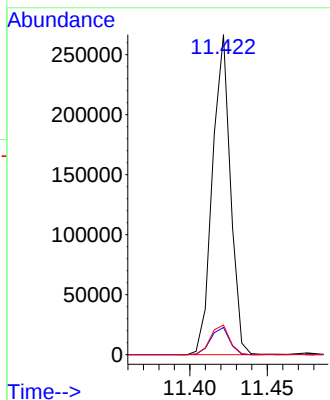
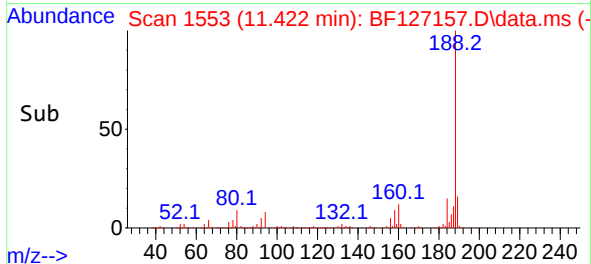
Instrument :
BNA_F
ClientSampleId :
DUM-1



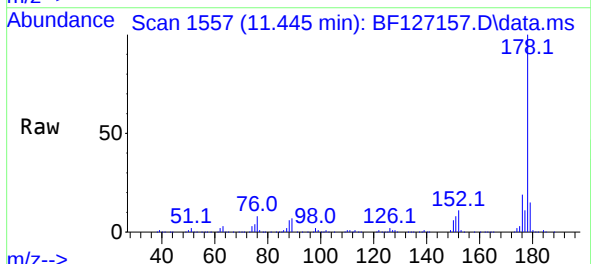
Tgt Ion:188 Resp: 21525
Ion Ratio Lower Upper
188 100
94 8.5 10.1 15.1
80 9.2 11.8 17.6

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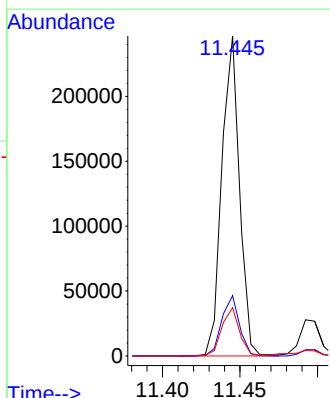
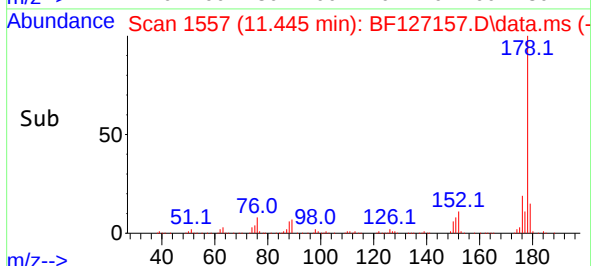
Reviewed By :Christian Giraldo 03/03/2022
Supervised By :Jagrut Upadhyay 03/03/2022

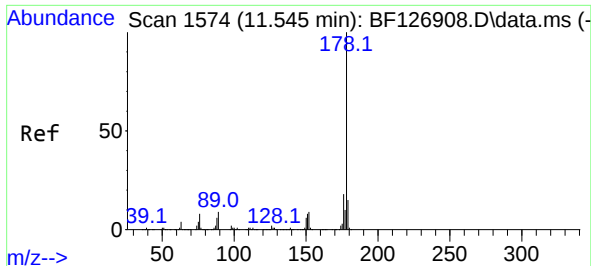


#71
Phenanthrene
Concen: 16.214 ng
RT: 11.445 min Scan# 1557
Delta R.T. -0.006 min
Lab File: BF127157.D
Acq: 02 Mar 2022 20:04



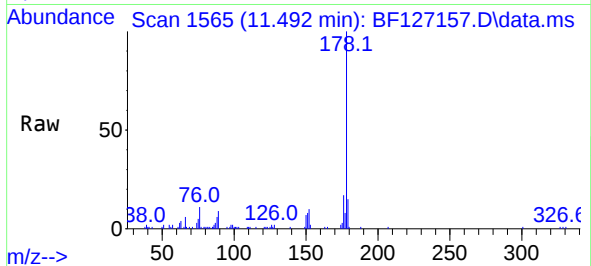
Tgt Ion:178 Resp: 195343
Ion Ratio Lower Upper
178 100
176 18.8 15.7 23.5
179 15.1 12.3 18.5





#72
 Anthracene
 Concen: 2.078 ng
 RT: 11.492 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF127157.D
 Acq: 02 Mar 2022 20:04

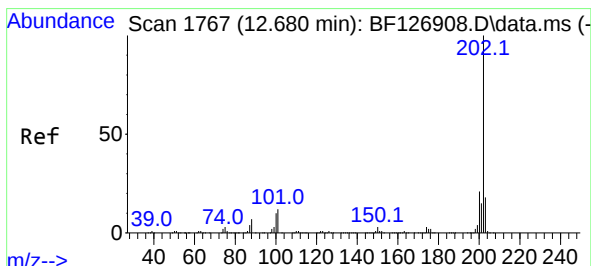
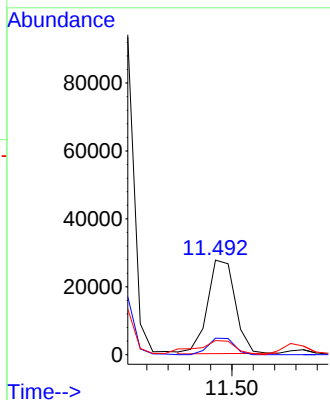
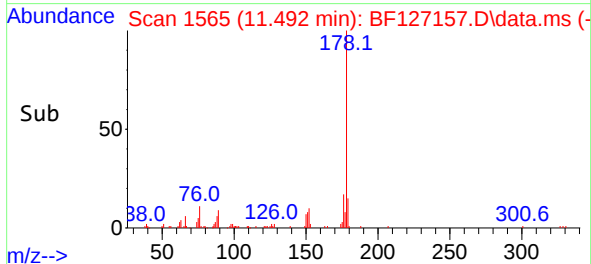
Instrument :
 BNA_F
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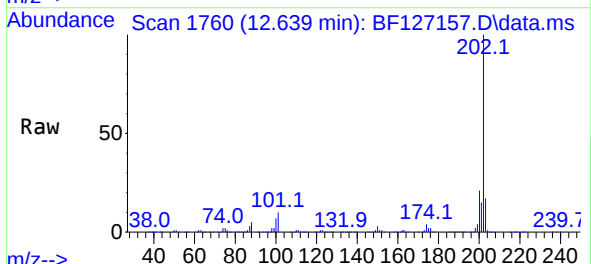
Tgt Ion:178 Resp: 24924
 Ion Ratio Lower Upper
 178 100
 176 17.5 15.0 22.6
 179 15.0 12.5 18.7

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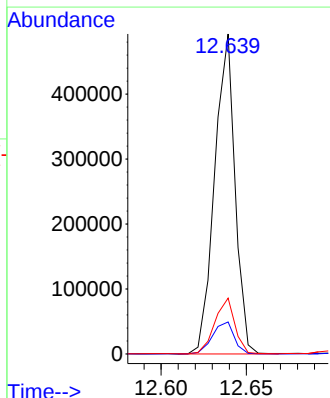
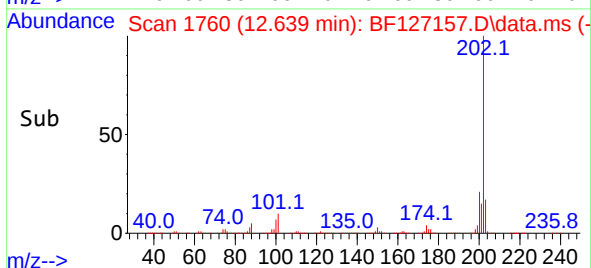
Reviewed By :Christian Giraldo 03/03/2022
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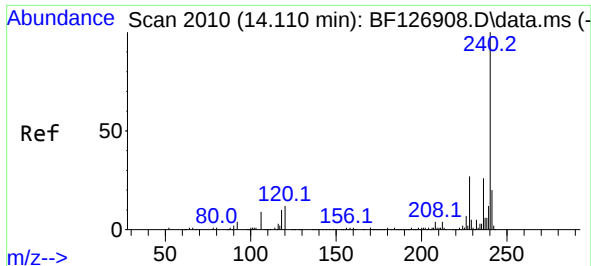


#75
 Fluoranthene
 Concen: 35.853 ng
 RT: 12.639 min Scan# 1760
 Delta R.T. -0.006 min
 Lab File: BF127157.D
 Acq: 02 Mar 2022 20:04



Tgt Ion:202 Resp: 410144
 Ion Ratio Lower Upper
 202 100
 101 10.0 0.0 35.7
 203 17.5 0.0 37.1





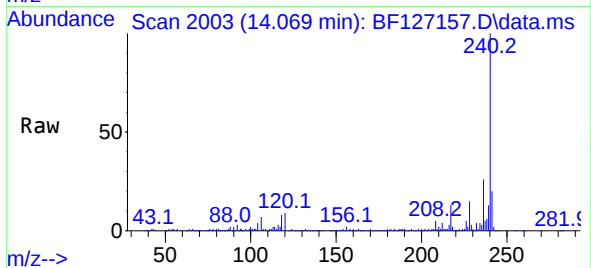
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.069 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BF127157.D
Acq: 02 Mar 2022 20:04

Instrument :

BNA_F

ClientSampleId :

DUM-1

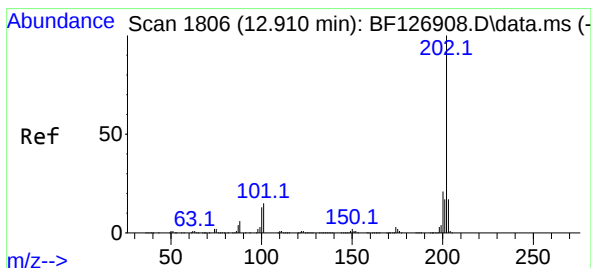
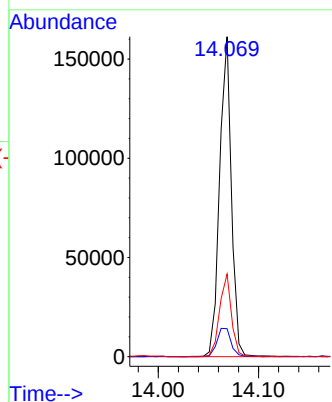
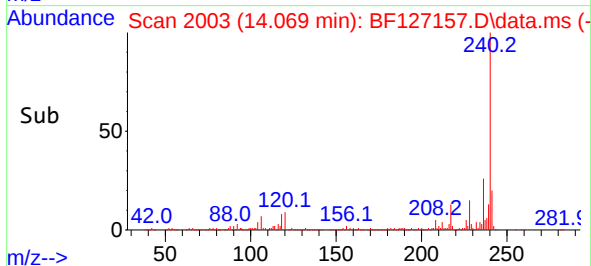


Tgt Ion:240 Resp: 130891
Ion Ratio Lower Upper
240 100
120 8.8 14.4 21.6
236 25.8 20.5 30.7

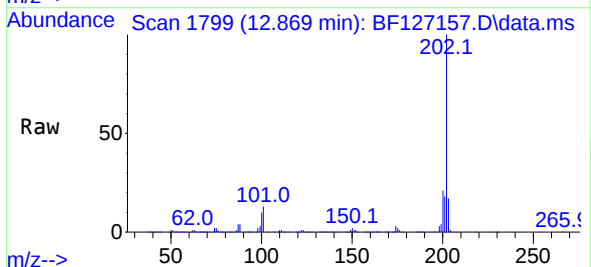
Manual Integrations

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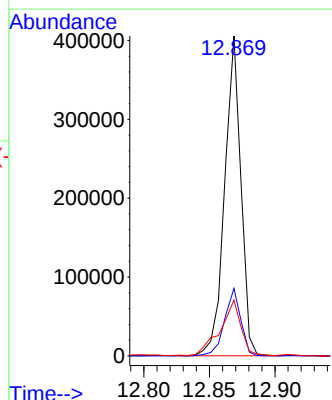
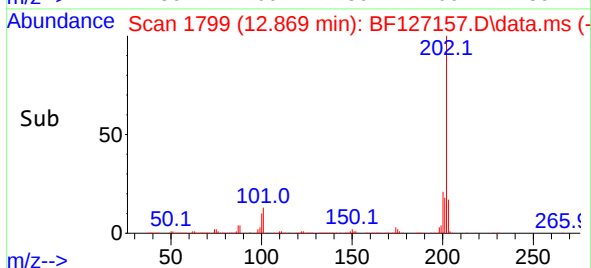
Reviewed By :Christian Giraldo 03/03/2022
Supervised By :Jagrut Upadhyay 03/03/2022

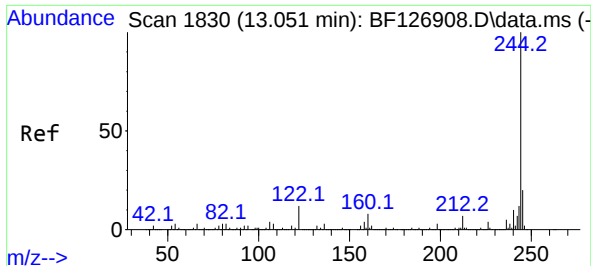


#78
Pyrene
Concen: 30.593 ng
RT: 12.869 min Scan# 1799
Delta R.T. -0.006 min
Lab File: BF127157.D
Acq: 02 Mar 2022 20:04



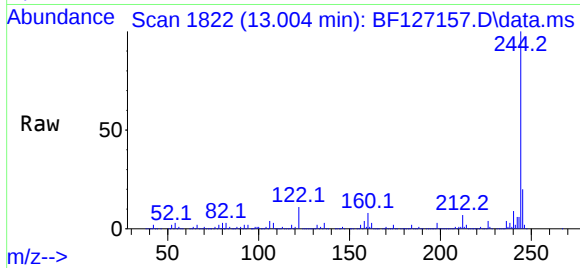
Tgt Ion:202 Resp: 347891
Ion Ratio Lower Upper
202 100
200 21.1 16.6 24.8
203 17.4 13.8 20.8





#79
Terphenyl-d14
Concen: 52.239 ng
RT: 13.004 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF127157.D
Acq: 02 Mar 2022 20:04

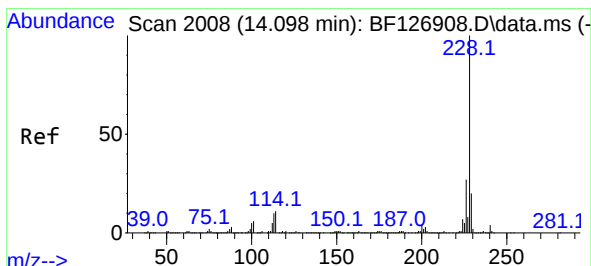
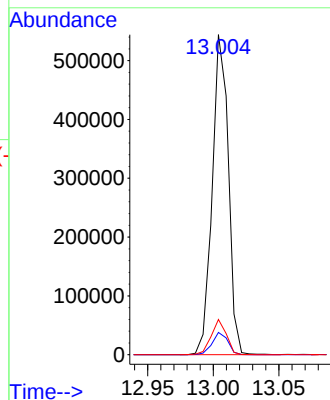
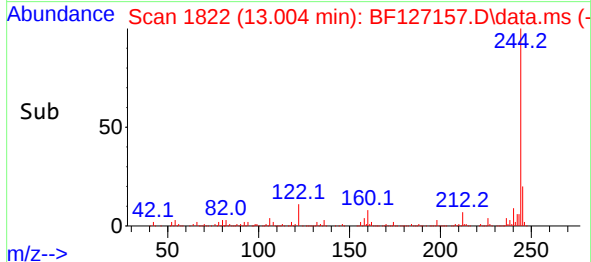
Instrument :
BNA_F
ClientSampleId :
DUM-1



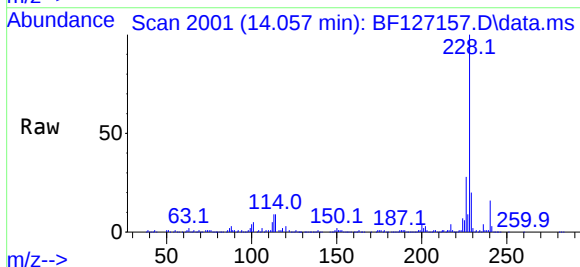
Tgt Ion:244 Resp: 465127
Ion Ratio Lower Upper
244 100
212 6.9 5.0 7.4
122 11.0 13.3 19.9

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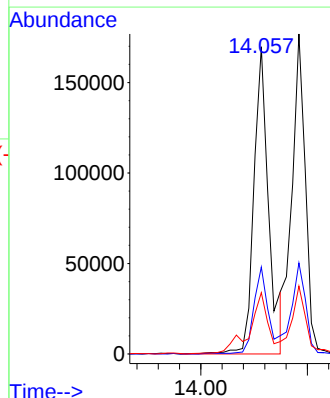
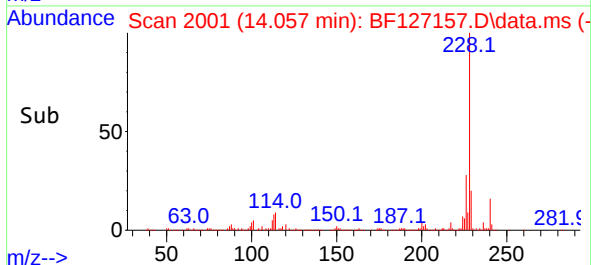
Reviewed By :Christian Giraldo 03/03/2022
Supervised By :Jagrut Upadhyay 03/03/2022

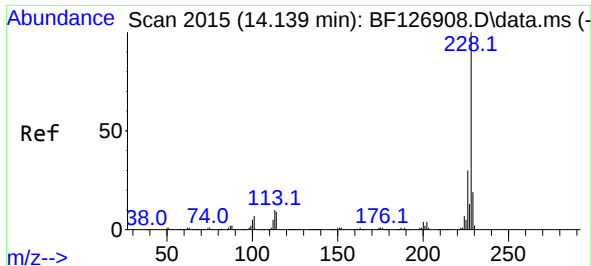


#81
Benzo(a)anthracene
Concen: 18.614 ng
RT: 14.057 min Scan# 2001
Delta R.T. -0.006 min
Lab File: BF127157.D
Acq: 02 Mar 2022 20:04



Tgt Ion:228 Resp: 164253
Ion Ratio Lower Upper
228 100
226 28.3 21.4 32.0
229 19.9 15.4 23.2





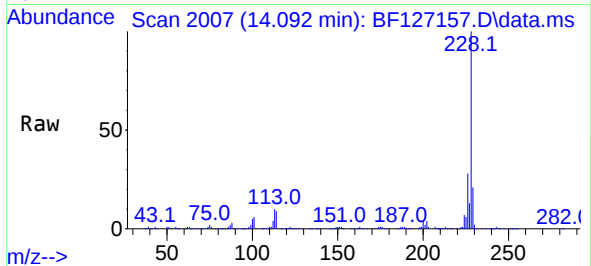
#83
Chrysene
Concen: 18.631 ng
RT: 14.092 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF127157.D
Acq: 02 Mar 2022 20:04

Instrument :

BNA_F

ClientSampleId :

DUM-1

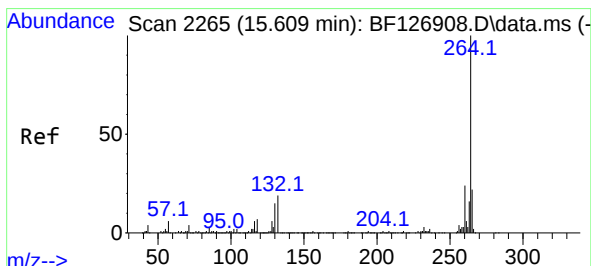
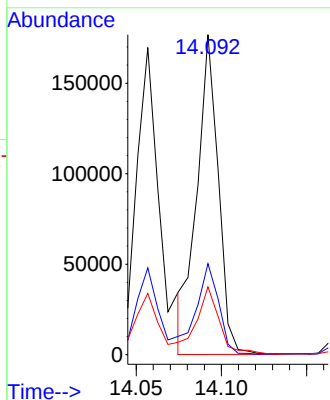
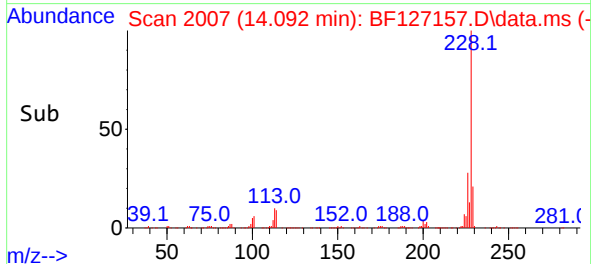


Tgt Ion:228 Resp: 154597
Ion Ratio Lower Upper
228 100
226 28.5 23.7 35.5
229 21.2 15.5 23.3

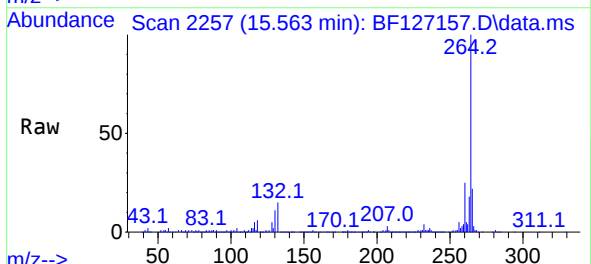
Manual Integrations

APPROVED

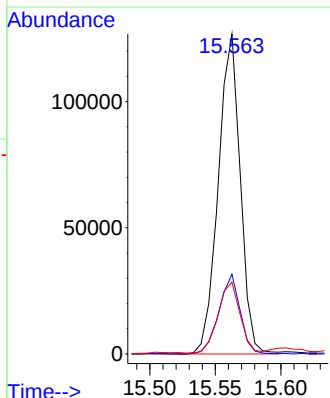
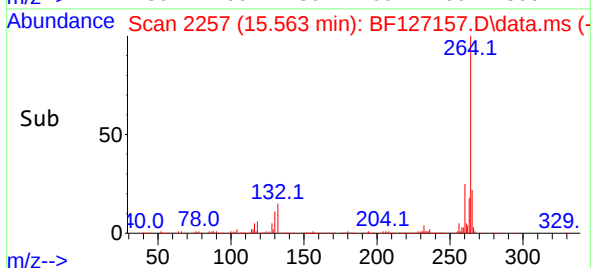
Reviewed By :Christian Giraldo 03/03/2022
Supervised By :Jagrut Upadhyay 03/03/2022

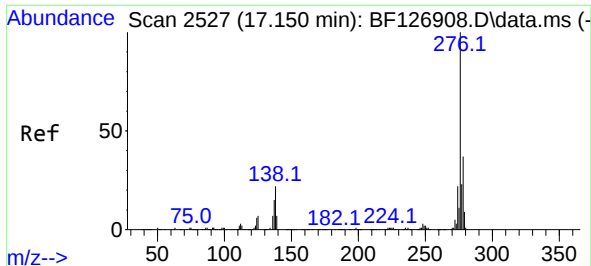


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.563 min Scan# 2257
Delta R.T. -0.006 min
Lab File: BF127157.D
Acq: 02 Mar 2022 20:04



Tgt Ion:264 Resp: 147778
Ion Ratio Lower Upper
264 100
260 24.9 19.2 28.8
265 22.4 17.4 26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 10.525 ng
RT: 17.068 min Scan# 2118
Delta R.T. -0.018 min
Lab File: BF127157.D
Acq: 02 Mar 2022 20:04

Instrument :

BNA_F

ClientSampleId :

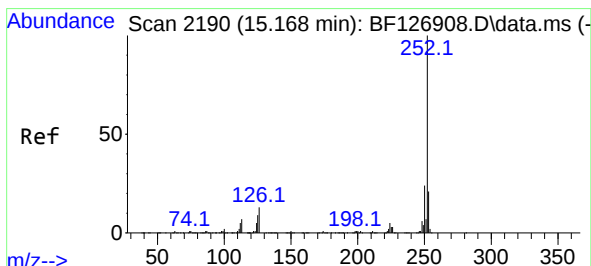
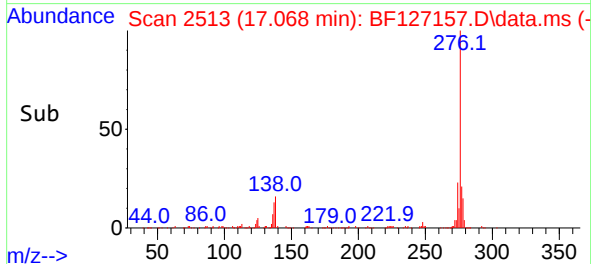
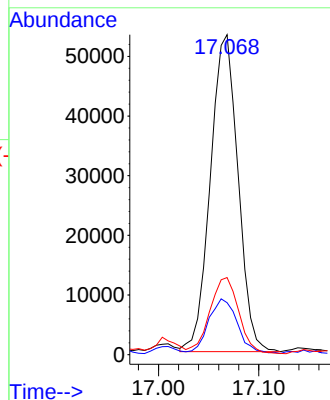
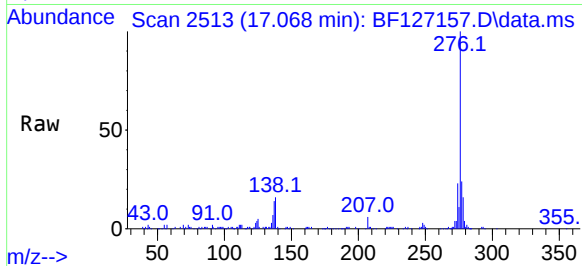
DUM-1

Tgt Ion:276 Resp: 101980
Ion Ratio Lower Upper
276 100
138 18.0 29.2 43.8
277 25.0 19.8 29.8

Manual Integrations

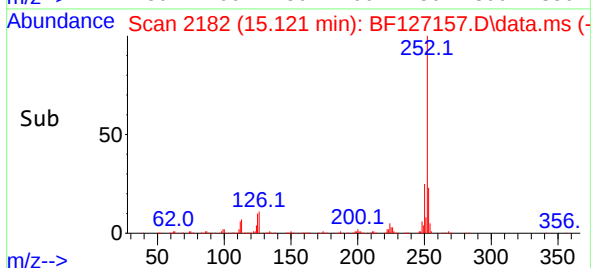
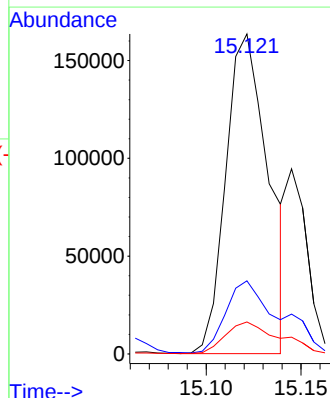
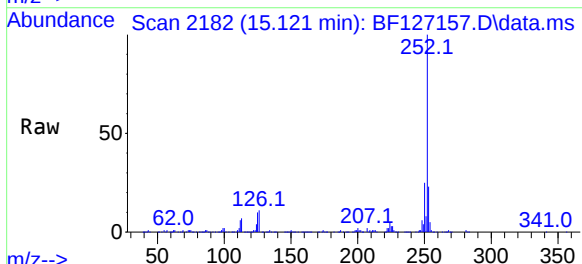
APPROVED

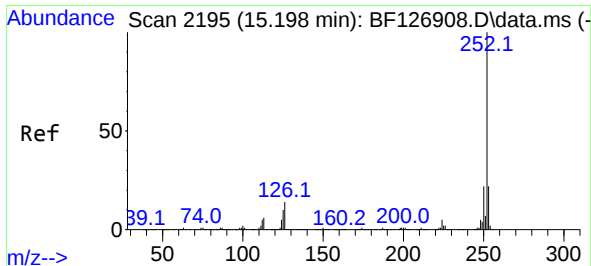
Reviewed By :Christian Giraldo 03/03/2022
Supervised By :Jagrut Upadhyay 03/03/2022



#88
Benzo(b)fluoranthene
Concen: 25.684 ng m
RT: 15.121 min Scan# 2182
Delta R.T. -0.006 min
Lab File: BF127157.D
Acq: 02 Mar 2022 20:04

Tgt Ion:252 Resp: 254917
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.8
125 10.0 12.4 18.6#





#89

Benzo(k)fluoranthene

Concen: 7.366 ng m

RT: 15.145 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF127157.D

Acq: 02 Mar 2022 20:04

Instrument :

BNA_F

ClientSampleId :

DUM-1

Tgt Ion:252 Resp: 70514

Ion Ratio Lower Upper

252 100

253 21.5 17.5 26.3

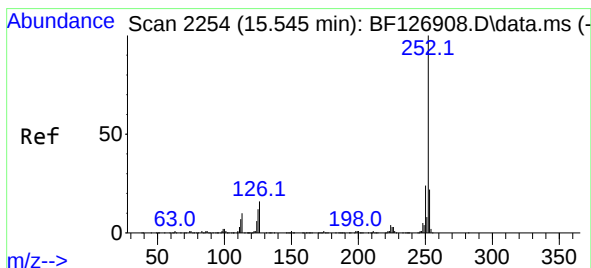
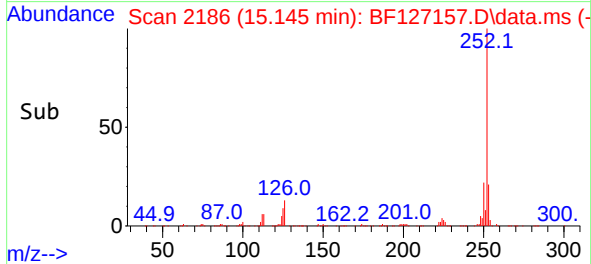
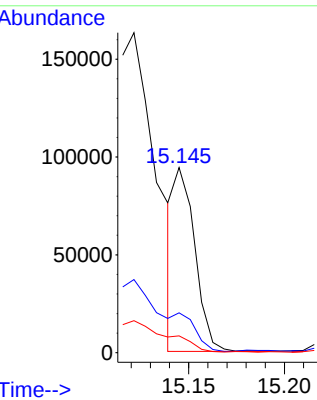
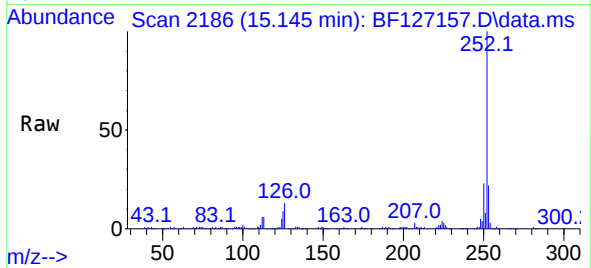
125 9.1 11.8 17.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/03/2022

Supervised By :Jagrut Upadhyay 03/03/2022



#90

Benzo(a)pyrene

Concen: 21.984 ng

RT: 15.498 min Scan# 2246

Delta R.T. -0.006 min

Lab File: BF127157.D

Acq: 02 Mar 2022 20:04

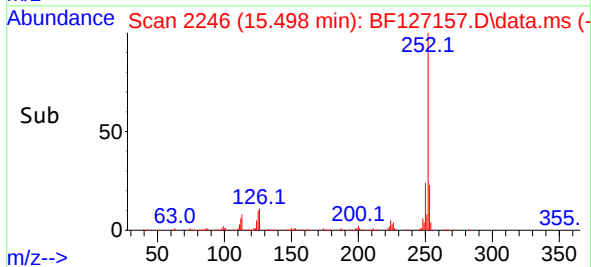
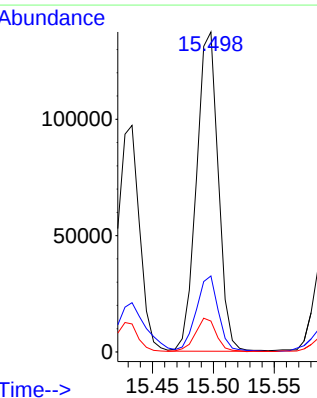
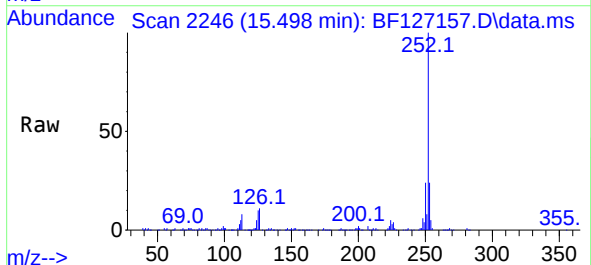
Tgt Ion:252 Resp: 170435

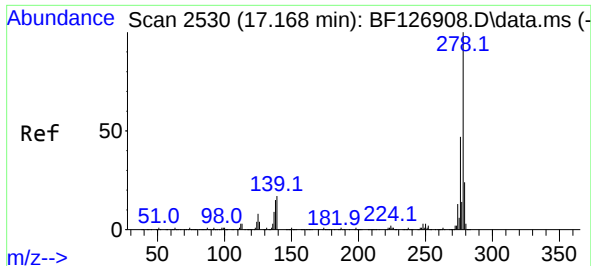
Ion Ratio Lower Upper

252 100

253 23.8 17.1 25.7

125 9.7 13.0 19.6#





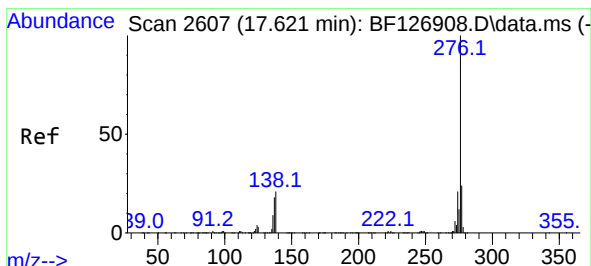
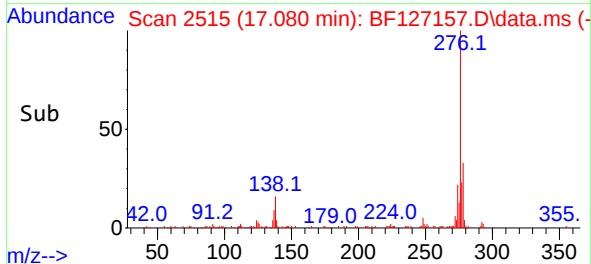
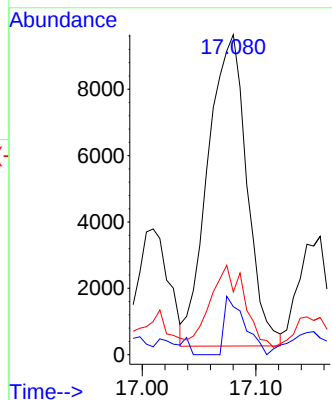
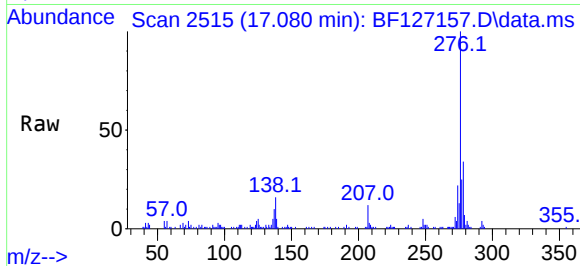
#91
Dibenzo(a,h)anthracene
Concen: 2.785 ng
RT: 17.080 min Scan# 2515
Delta R.T. -0.023 min
Lab File: BF127157.D
Acq: 02 Mar 2022 20:04

Instrument :
BNA_F
ClientSampleId :
DUM-1

Tgt Ion:278 Resp: 2232
Ion Ratio Lower Upper
278 100
139 15.0 18.0 27.0
279 19.6 18.6 27.8

Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 12.107 ng
RT: 17.527 min Scan# 2591
Delta R.T. -0.023 min
Lab File: BF127157.D
Acq: 02 Mar 2022 20:04

Tgt Ion:276 Resp: 95656
Ion Ratio Lower Upper
276 100
277 25.7 18.5 27.7
138 18.1 25.9 38.9

