

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010322\
 Data File : BF126457.D
 Acq On : 3 Jan 2022 15:47
 Operator : JU/CG
 Sample : M5241-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2D

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 01/04/2022
 Supervised By : Jagrut Upadhyay 01/04/2022

Quant Time: Jan 03 16:11:04 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122921.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 30 04:30:49 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	112623	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	384807	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	150787	20.000	ng	0.00
64) Phenanthrene-d10	11.321	188	261889	20.000	ng	0.00
76) Chrysene-d12	13.962	240	190804	20.000	ng	0.00
86) Perylene-d12	15.404	264	148171	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	879515	112.147	ng	0.01
7) Phenol-d6	6.434	99	1047841	103.158	ng	0.00
23) Nitrobenzene-d5	7.357	82	673401	89.854	ng	0.00
42) 2,4,6-Tribromophenol	10.627	330	167738	143.956	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	804275	93.861	ng	0.00
79) Terphenyl-d14	12.910	244	764861	77.885	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.104	128	73172	4.029	ng	98
37) 2-Methylnaphthalene	8.792	142	35977	3.358	ng	96
38) 1-Methylnaphthalene	8.892	142	20885	2.016	ng	99
52) Acenaphthene	9.869	154	28318	3.400	ng	95
55) Dibenzofuran	10.039	168	34149	3.033	ng	# 95
58) Fluorene	10.380	166	33048	4.151	ng	# 91
71) Phenanthrene	11.345	178	116716	8.717	ng	# 97
72) Anthracene	11.398	178	48792m	3.642	ng	
75) Fluoranthene	12.533	202	145797	11.931	ng	95
78) Pyrene	12.763	202	137544	8.530	ng	98
81) Benzo(a)anthracene	13.951	228	40153	3.659	ng	# 87
83) Chrysene	13.986	228	51613	4.586	ng	# 88
88) Benzo(b)fluoranthene	14.986	252	43402m	4.917	ng	
90) Benzo(a)pyrene	15.339	252	21924	2.962	ng	# 49

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

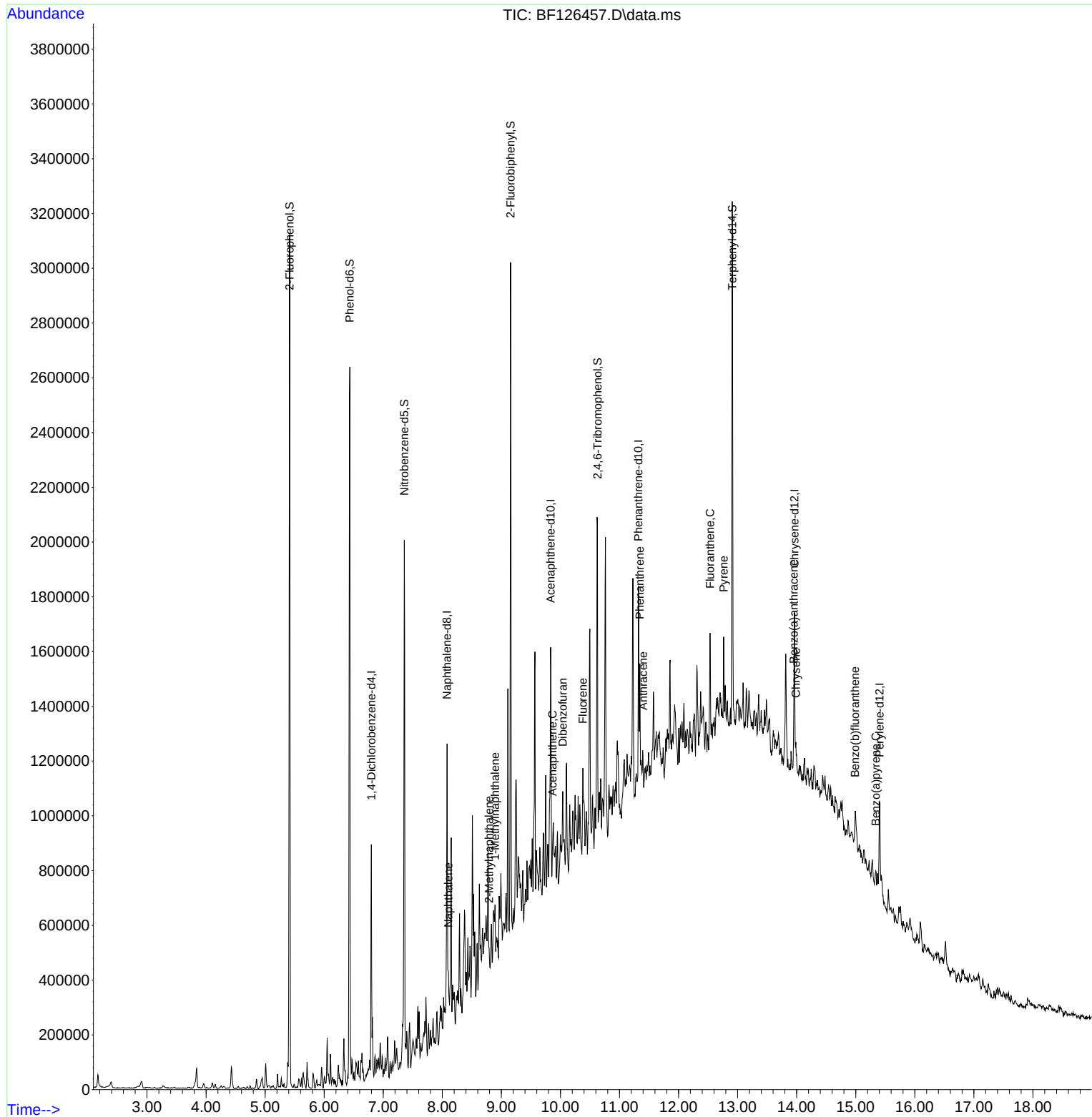
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010322\
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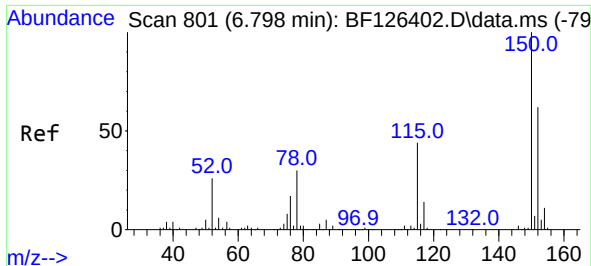
Instrument :
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Quant Time: Jan 03 16:11:04 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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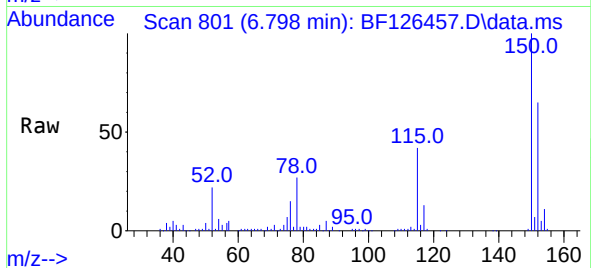
Reviewed By :Christian Giraldo 01/04/2022
Supervised By :Jagrut Upadhyay 01/04/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF126457.D
Acq: 3 Jan 2022 15:47

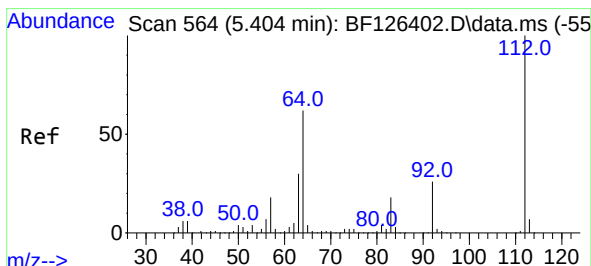
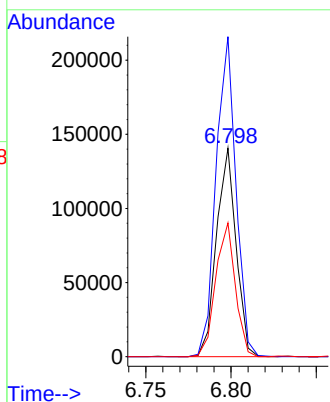
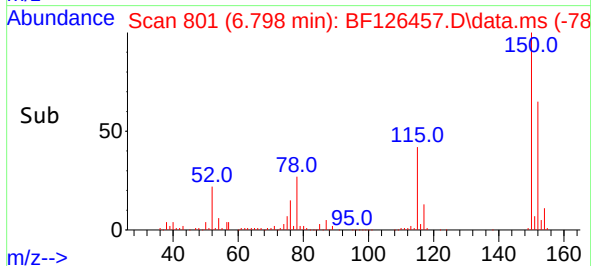
Instrument :
BNA_F
ClientSampleId :
TP-2D



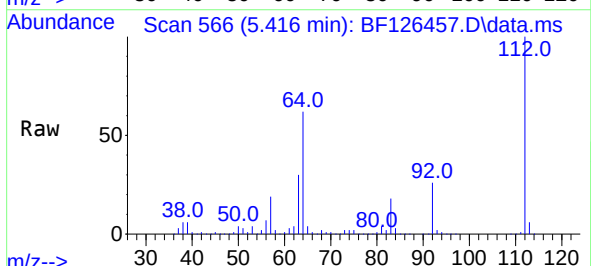
Tgt Ion:152 Resp: 11262
Ion Ratio Lower Upper
152 100
150 153.5 128.1 192.1
115 64.2 56.7 85.1

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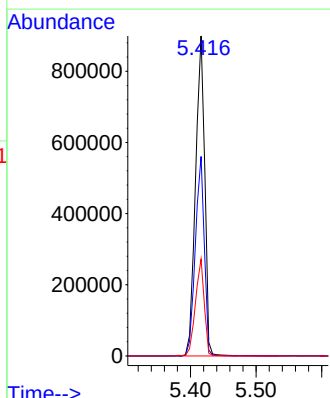
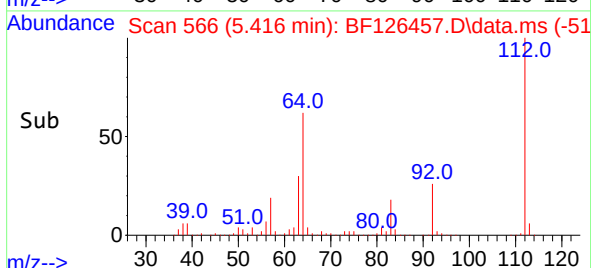
Reviewed By :Christian Giraldo 01/04/2022
Supervised By :Jagrut Upadhyay 01/04/2022

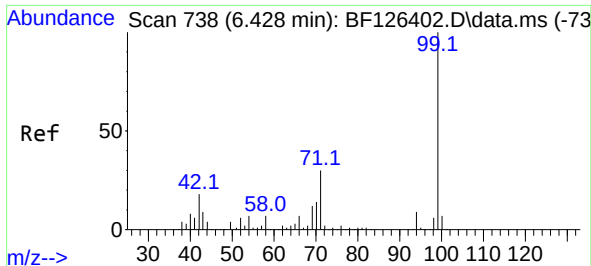


#5
2-Fluorophenol
Concen: 112.147 ng
RT: 5.416 min Scan# 566
Delta R.T. 0.012 min
Lab File: BF126457.D
Acq: 3 Jan 2022 15:47



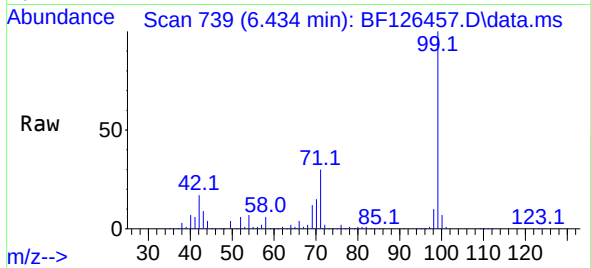
Tgt Ion:112 Resp: 879515
Ion Ratio Lower Upper
112 100
64 62.3 49.5 74.3
63 30.3 23.9 35.9





#7
Phenol-d6
Concen: 103.158 ng
RT: 6.434 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF126457.D
Acq: 3 Jan 2022 15:47

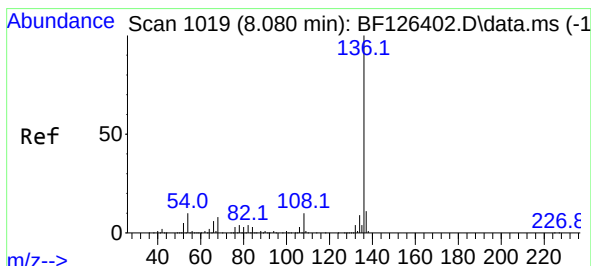
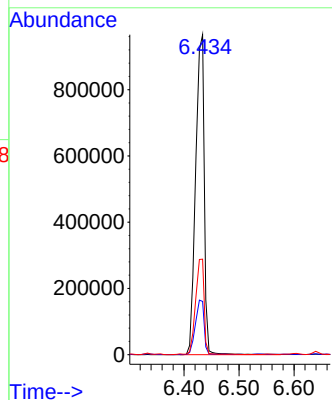
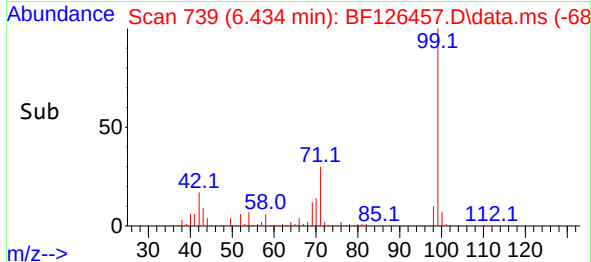
Instrument :
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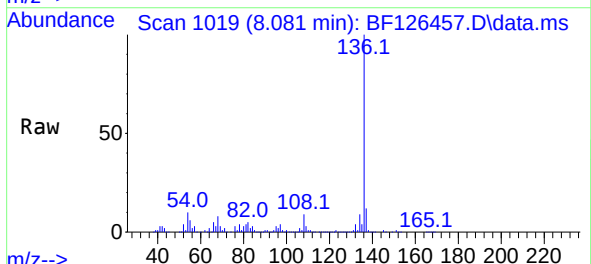
Tgt Ion: 99 Resp: 104784
Ion Ratio Lower Upper
99 100
42 16.7 14.2 21.4
71 29.9 24.3 36.5

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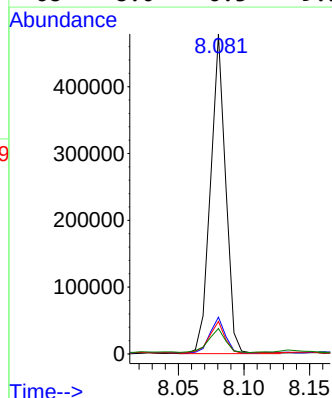
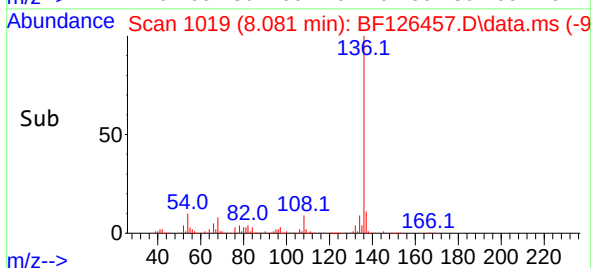
Reviewed By :Christian Giraldo 01/04/2022
Supervised By :Jagrut Upadhyay 01/04/2022

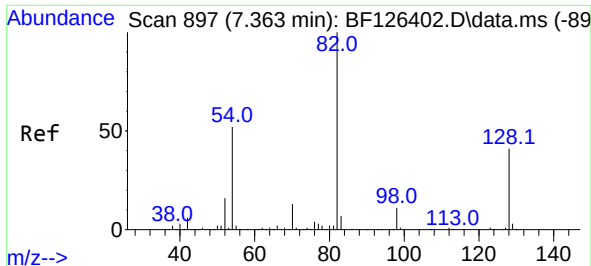


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF126457.D
Acq: 3 Jan 2022 15:47



Tgt Ion:136 Resp: 384807
Ion Ratio Lower Upper
136 100
137 11.5 8.6 13.0
54 10.1 7.8 11.6
68 8.0 6.3 9.5





#23

Nitrobenzene-d5

Concen: 89.854 ng

RT: 7.357 min Scan# 89

Delta R.T. -0.006 min

Lab File: BF126457.D

Acq: 3 Jan 2022 15:47

Instrument :

BNA_F

ClientSampleId :

TP-2D

Tgt Ion: 82 Resp: 67340

Ion Ratio Lower Upper

82 100

128 42.1 32.7 49.1

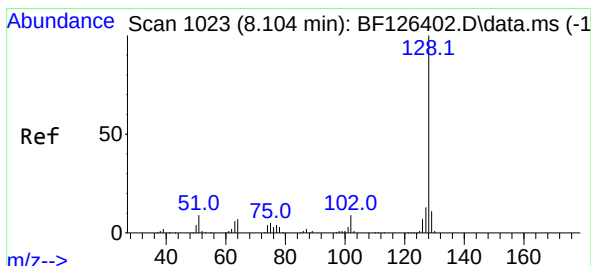
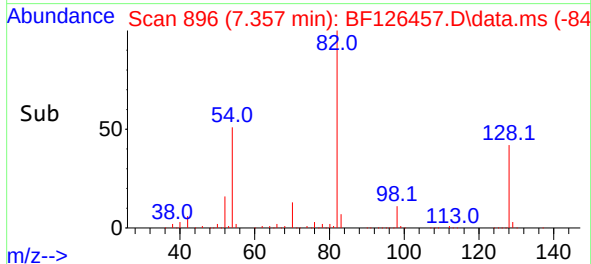
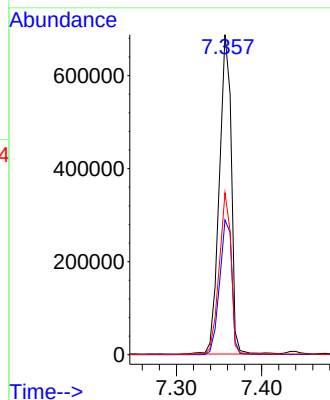
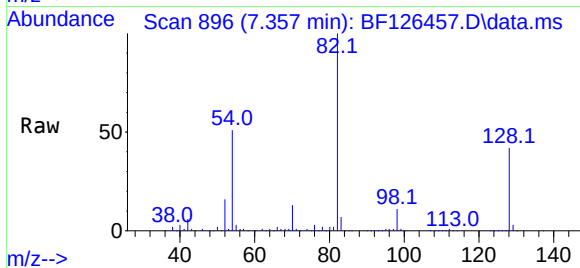
54 50.6 41.7 62.5

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#31

Naphthalene

Concen: 4.029 ng

RT: 8.104 min Scan# 1023

Delta R.T. 0.000 min

Lab File: BF126457.D

Acq: 3 Jan 2022 15:47

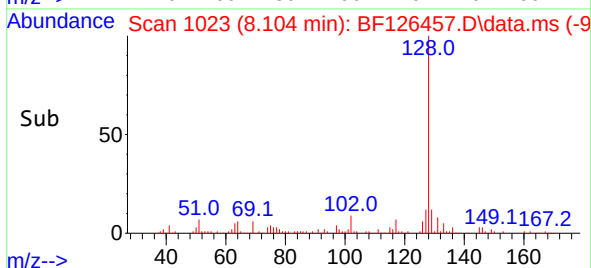
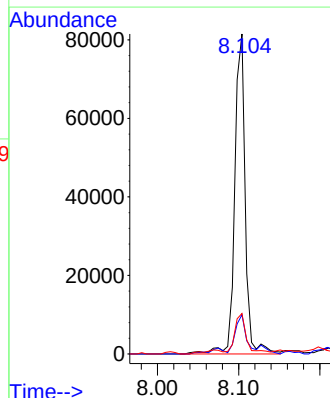
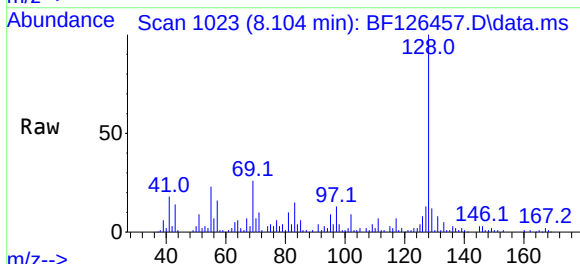
Tgt Ion:128 Resp: 73172

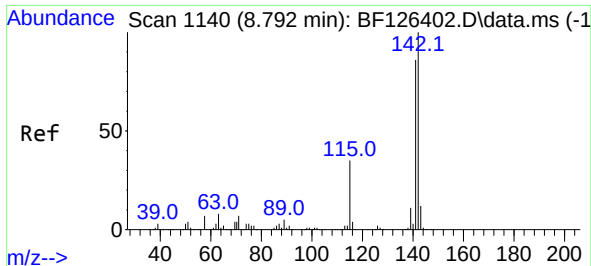
Ion Ratio Lower Upper

128 100

129 12.3 8.6 13.0

127 12.6 10.3 15.5





#37

2-Methylnaphthalene

Concen: 3.358 ng

RT: 8.792 min Scan# 1140

Delta R.T. 0.000 min

Lab File: BF126457.D

Acq: 3 Jan 2022 15:47

Instrument :

BNA_F

ClientSampleId :

TP-2D

Tgt Ion:142 Resp: 3597

Ion Ratio Lower Upper

142 100

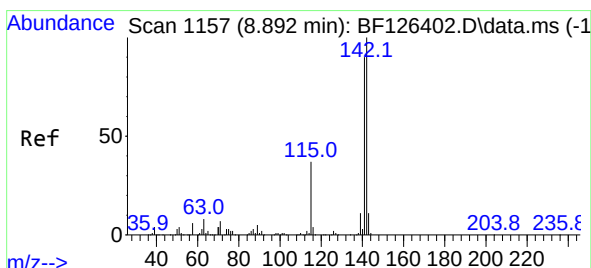
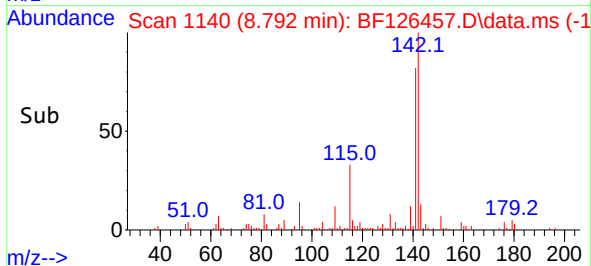
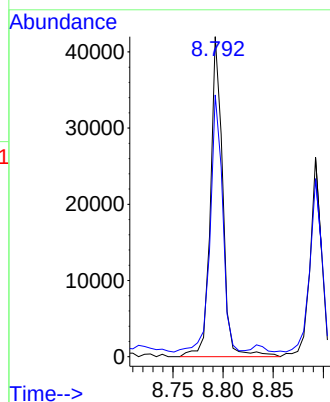
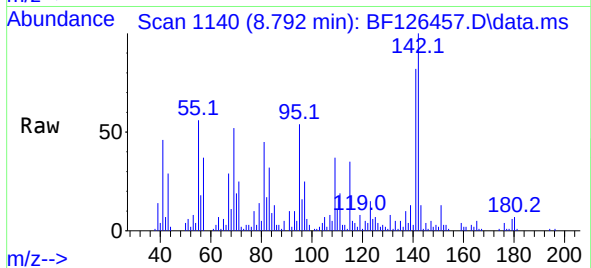
141 81.8 68.6 102.8

Manual Integrations

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Supervised By :Jagrut Upadhyay 01/04/2022



#38

1-Methylnaphthalene

Concen: 2.016 ng

RT: 8.892 min Scan# 1157

Delta R.T. 0.000 min

Lab File: BF126457.D

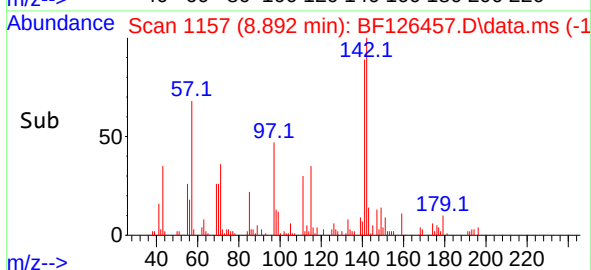
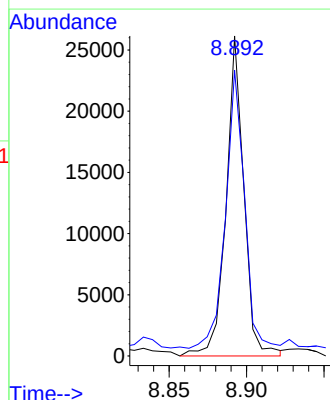
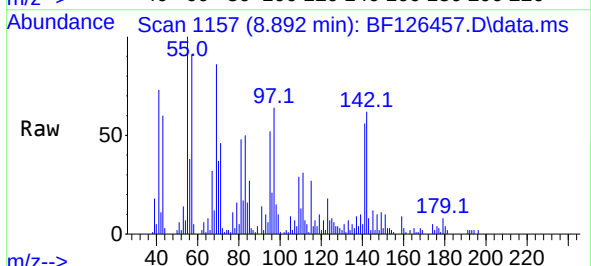
Acq: 3 Jan 2022 15:47

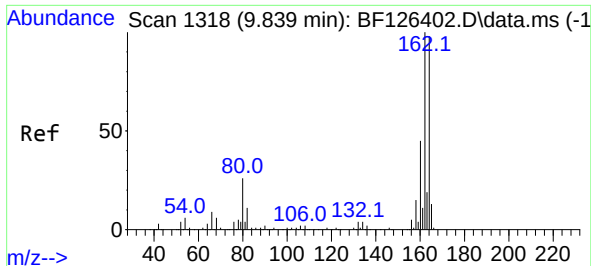
Tgt Ion:142 Resp: 20885

Ion Ratio Lower Upper

142 100

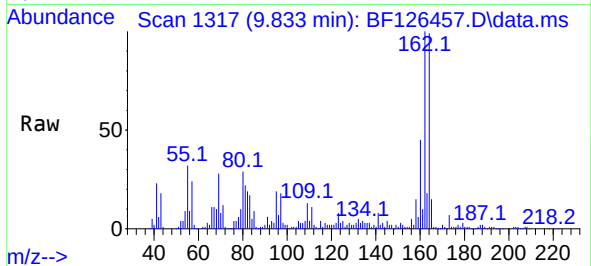
141 89.3 72.1 108.1





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126457.D
Acq: 3 Jan 2022 15:47

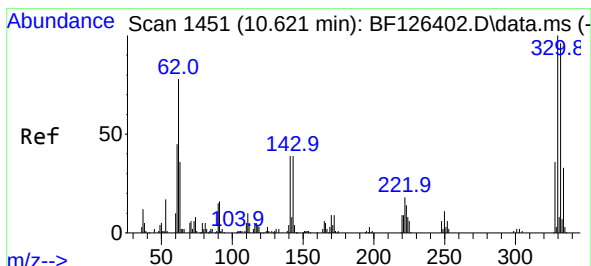
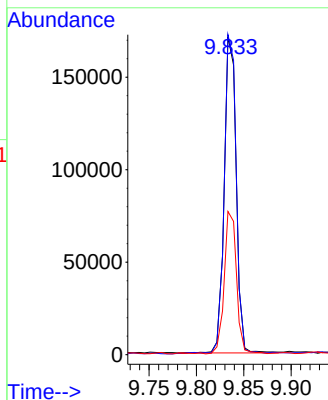
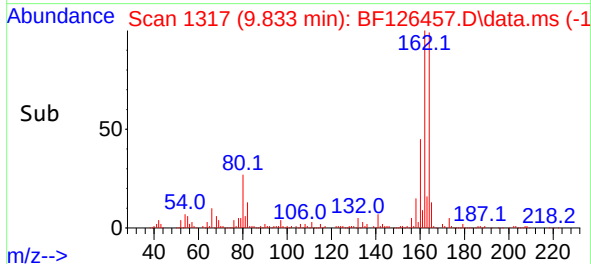
Instrument :
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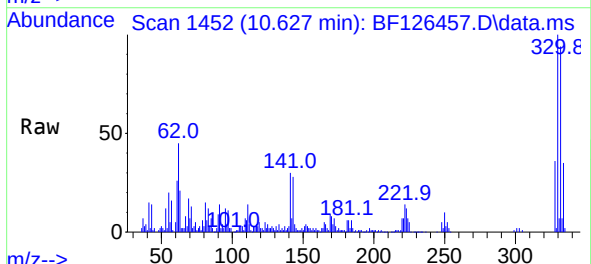
Tgt Ion:164 Resp: 15078
Ion Ratio Lower Upper
164 100
162 100.7 81.4 122.0
160 45.1 36.6 54.8

Manual Integrations
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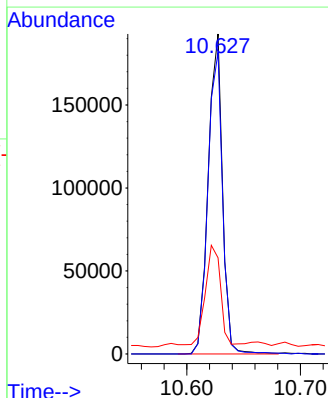
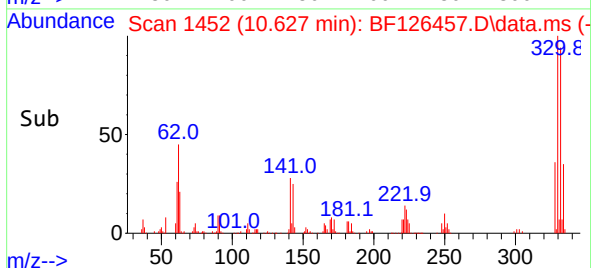
Reviewed By :Christian Giraldo 01/04/2022
Supervised By :Jagrut Upadhyay 01/04/2022

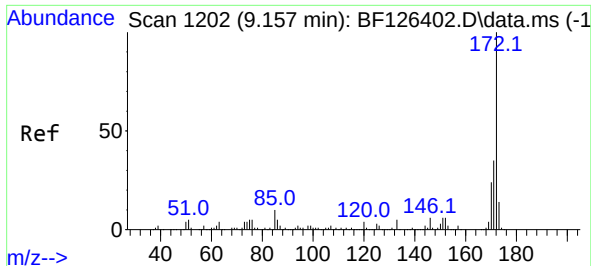


#42
2,4,6-Tribromophenol
Concen: 143.956 ng
RT: 10.627 min Scan# 1452
Delta R.T. 0.006 min
Lab File: BF126457.D
Acq: 3 Jan 2022 15:47



Tgt Ion:330 Resp: 167738
Ion Ratio Lower Upper
330 100
332 97.0 76.0 114.0
141 34.8 30.1 45.1





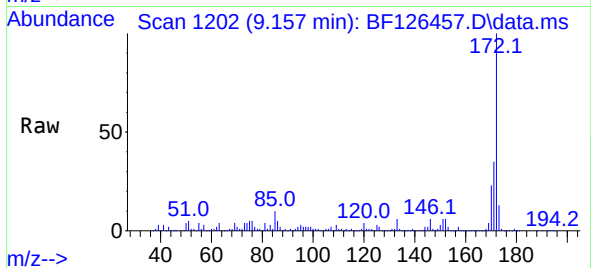
#45
2-Fluorobiphenyl
Concen: 93.861 ng
RT: 9.157 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF126457.D
Acq: 3 Jan 2022 15:47

Instrument :

BNA_F

ClientSampleId :

TP-2D

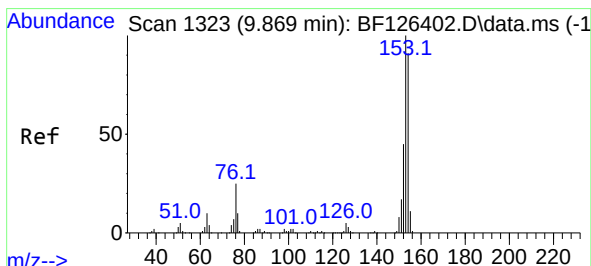
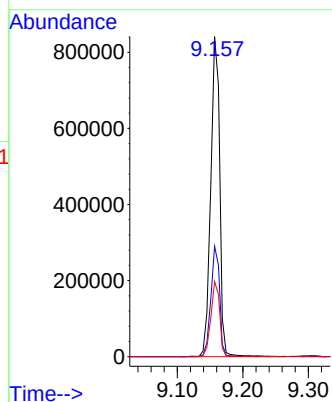
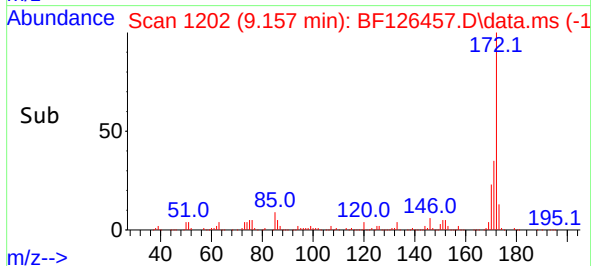


Tgt Ion:172 Resp: 804275
Ion Ratio Lower Upper
172 100
171 34.5 28.3 42.5
170 23.4 19.0 28.6

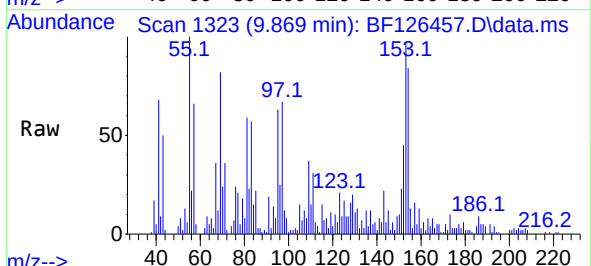
Manual Integrations

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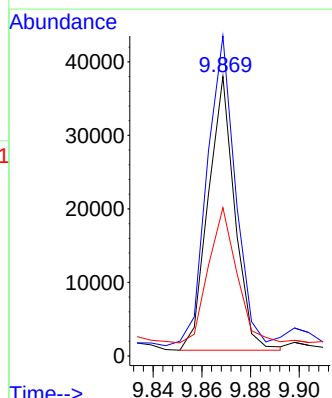
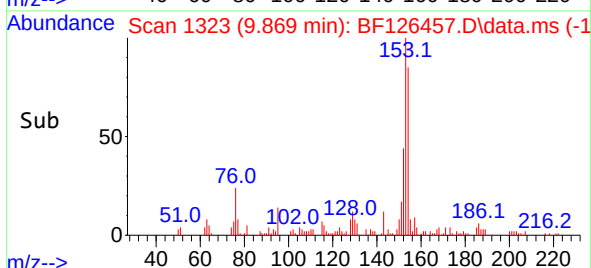
Reviewed By :Christian Giraldo 01/04/2022
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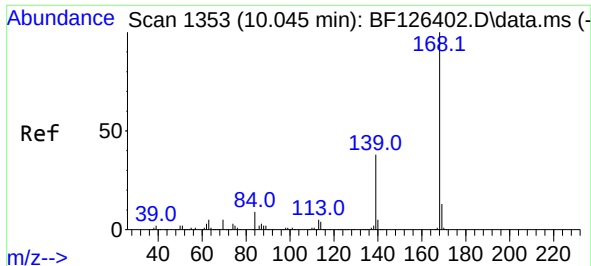


#52
Acenaphthene
Concen: 3.400 ng
RT: 9.869 min Scan# 1323
Delta R.T. 0.000 min
Lab File: BF126457.D
Acq: 3 Jan 2022 15:47



Tgt Ion:154 Resp: 28318
Ion Ratio Lower Upper
154 100
153 114.5 87.8 131.6
152 53.1 39.4 59.2





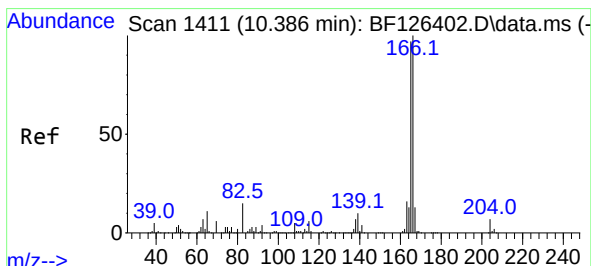
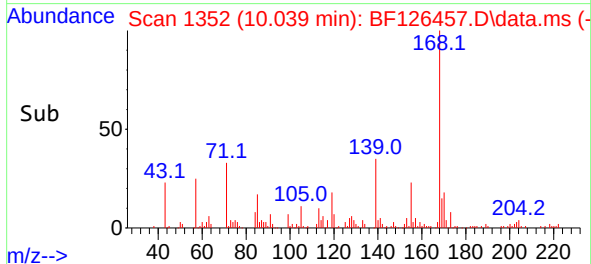
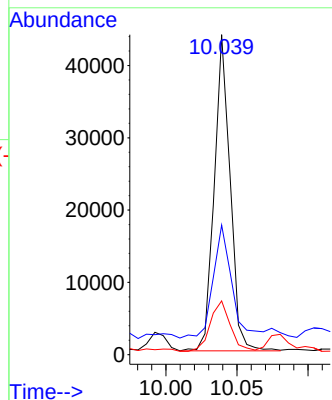
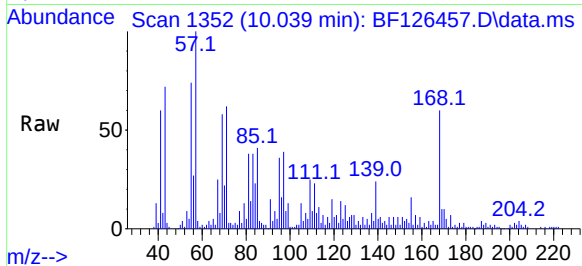
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Dibenzenofuran
Concen: 3.033 ng
RT: 10.039 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126457.D
Acq: 3 Jan 2022 15:47

Instrument :
BNA_F
ClientSampleId :
TP-2D

Tgt Ion:168 Resp: 34149
Ion Ratio Lower Upper
168 100
139 40.5 30.6 46.0
169 16.8 10.0 15.0

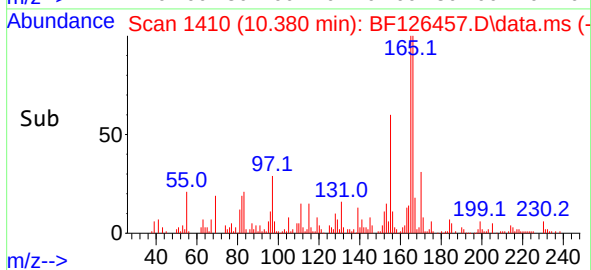
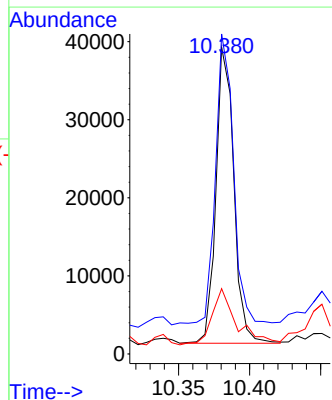
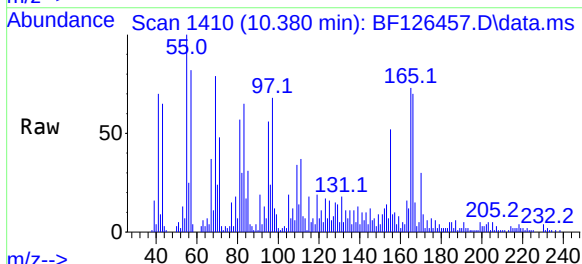
Manual Integrations
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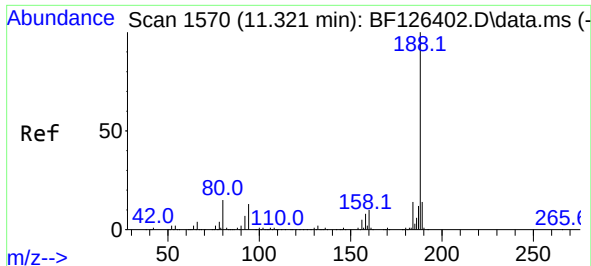
Reviewed By :Christian Giraldo 01/04/2022
Supervised By :Jagrut Upadhyay 01/04/2022



#58
Fluorene
Concen: 4.151 ng
RT: 10.380 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF126457.D
Acq: 3 Jan 2022 15:47

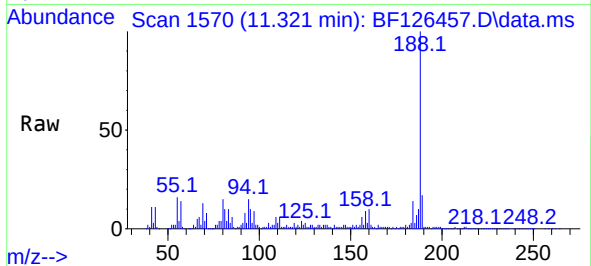
Tgt Ion:166 Resp: 33048
Ion Ratio Lower Upper
166 100
165 104.4 77.7 116.5
167 21.3 10.7 16.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.321 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BF126457.D
Acq: 3 Jan 2022 15:47

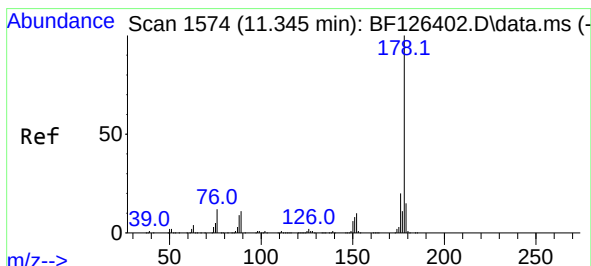
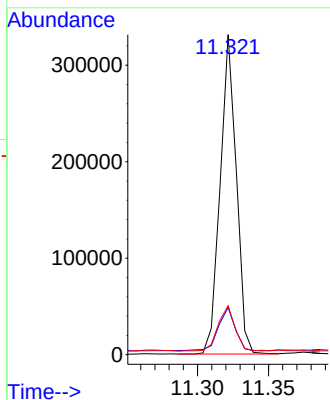
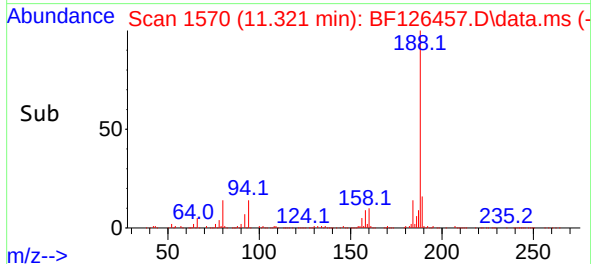
Instrument :
BNA_F
ClientSampleId :
TP-2D



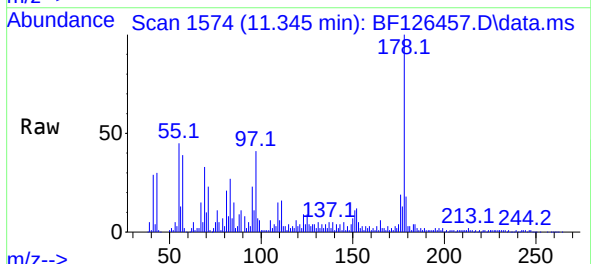
Tgt Ion:188 Resp: 261889
Ion Ratio Lower Upper
188 100
94 14.8 10.1 15.1
80 15.3 11.8 17.6

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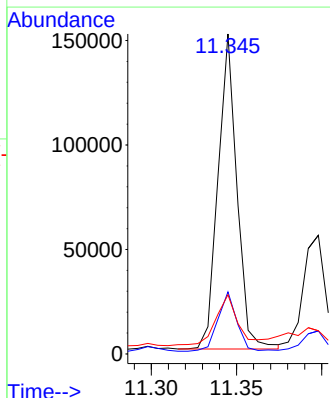
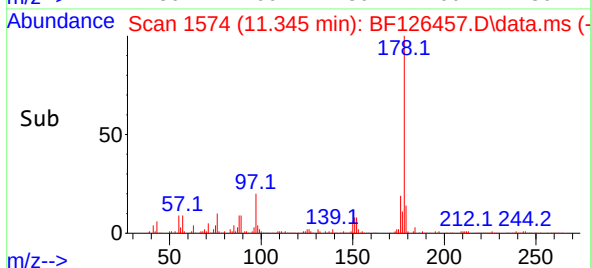
Reviewed By :Christian Giraldo 01/04/2022
Supervised By :Jagrut Upadhyay 01/04/2022

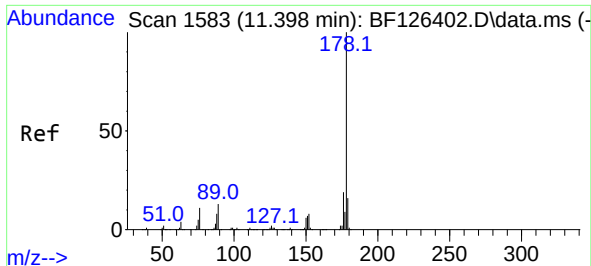


#71
Phenanthrene
Concen: 8.717 ng
RT: 11.345 min Scan# 1574
Delta R.T. 0.000 min
Lab File: BF126457.D
Acq: 3 Jan 2022 15:47



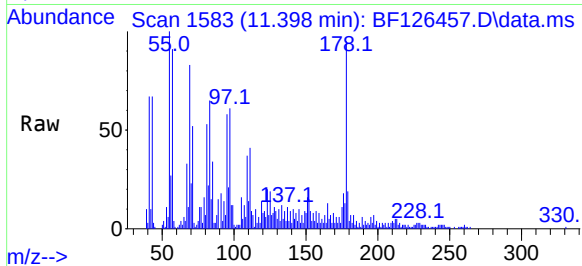
Tgt Ion:178 Resp: 116716
Ion Ratio Lower Upper
178 100
176 19.4 15.7 23.5
179 18.5 12.3 18.5#





#72
 Anthracene
 Concen: 3.642 ng m
 RT: 11.398 min Scan# 1583
 Delta R.T. 0.000 min
 Lab File: BF126457.D
 Acq: 3 Jan 2022 15:47

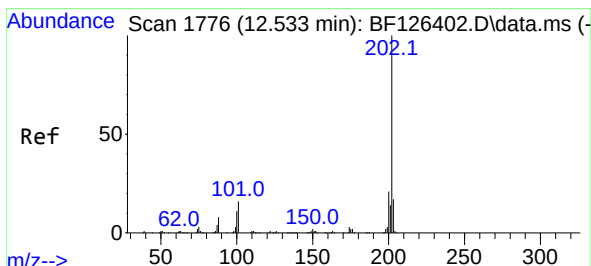
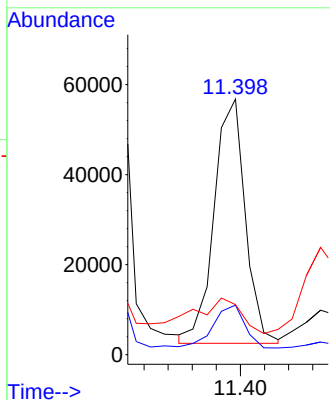
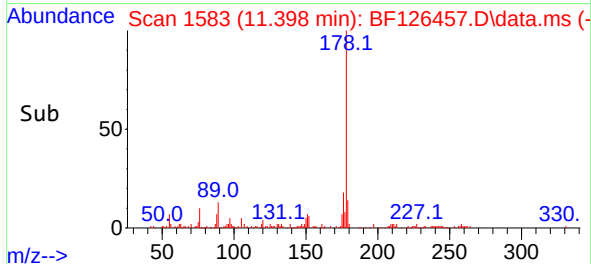
Instrument :
 BNA_F
 ClientSampleId :
 TP-2D



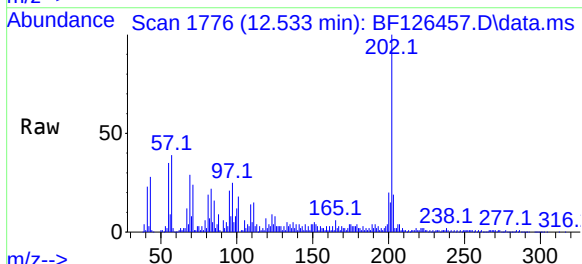
Tgt Ion:178 Resp: 48792
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.0 22.6
 179 19.6 12.5 18.7

Manual Integrations
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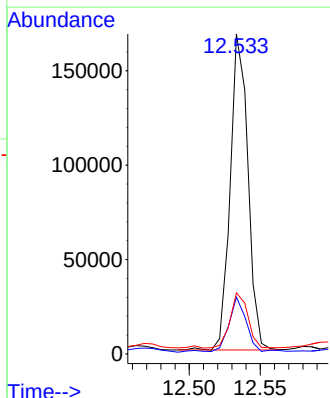
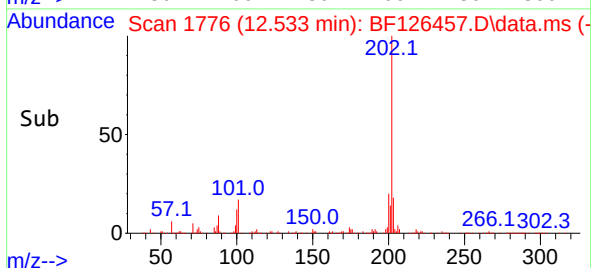
Reviewed By :Christian Giraldo 01/04/2022
 Supervised By :Jagrut Upadhyay 01/04/2022

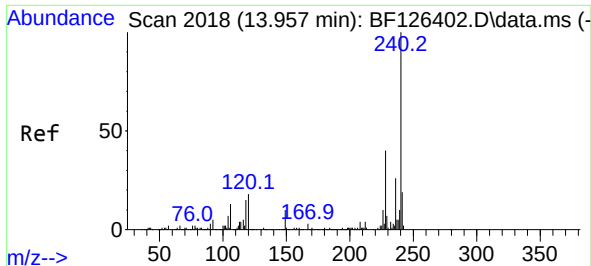


#75
 Fluoranthene
 Concen: 11.931 ng
 RT: 12.533 min Scan# 1776
 Delta R.T. 0.000 min
 Lab File: BF126457.D
 Acq: 3 Jan 2022 15:47



Tgt Ion:202 Resp: 145797
 Ion Ratio Lower Upper
 202 100
 101 17.8 0.0 35.7
 203 19.1 0.0 37.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.962 min Scan# 2018
Delta R.T. 0.006 min
Lab File: BF126457.D
Acq: 3 Jan 2022 15:47

Instrument :

BNA_F

ClientSampleId :

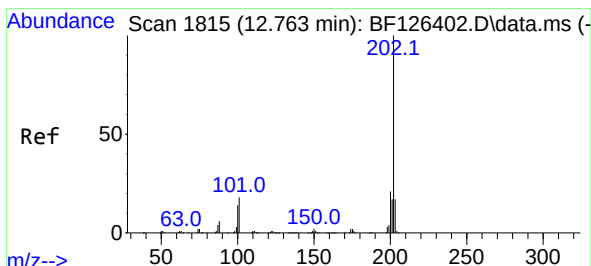
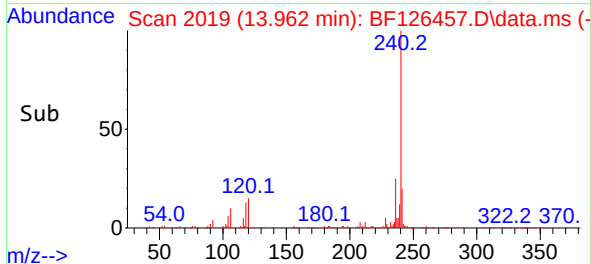
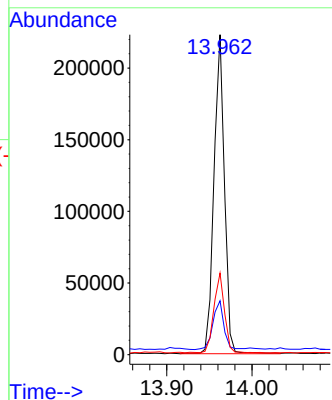
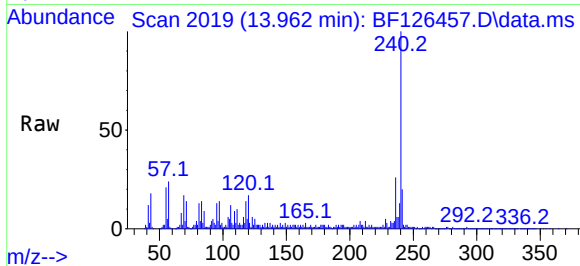
TP-2D

Tgt Ion:240 Resp: 190804
Ion Ratio Lower Upper
240 100
120 16.9 14.4 21.6
236 25.5 20.5 30.7

Manual Integrations

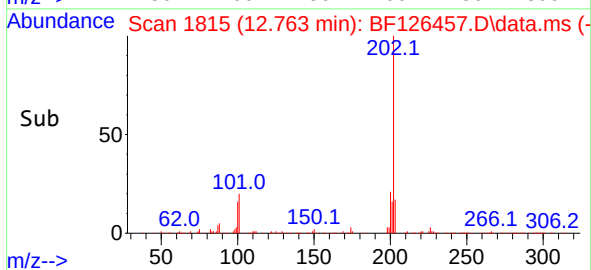
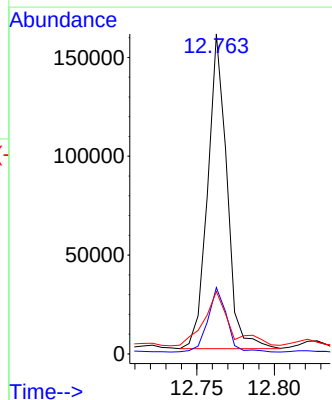
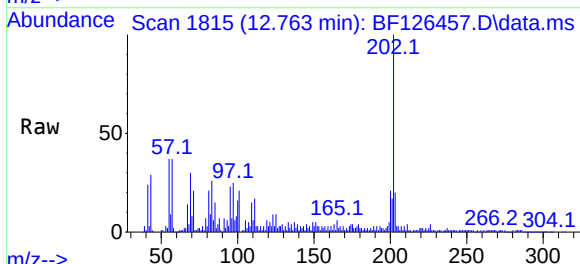
APPROVED

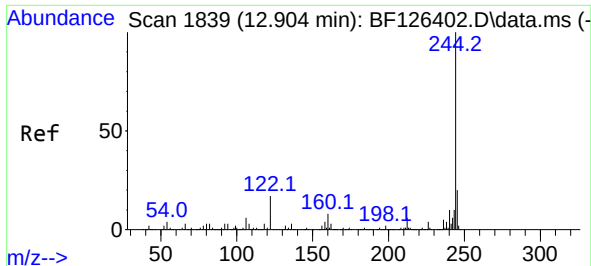
Reviewed By :Christian Giraldo 01/04/2022
Supervised By :Jagrut Upadhyay 01/04/2022



#78
Pyrene
Concen: 8.530 ng
RT: 12.763 min Scan# 1815
Delta R.T. 0.000 min
Lab File: BF126457.D
Acq: 3 Jan 2022 15:47

Tgt Ion:202 Resp: 137544
Ion Ratio Lower Upper
202 100
200 20.7 16.6 24.8
203 19.5 13.8 20.8





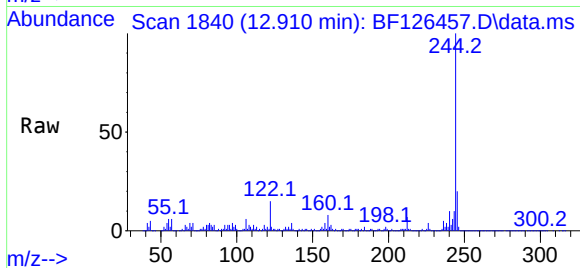
#79
 Terphenyl-d14
 Concen: 77.885 ng
 RT: 12.910 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: BF126457.D
 Acq: 3 Jan 2022 15:47

Instrument :

BNA_F

ClientSampleId :

TP-2D

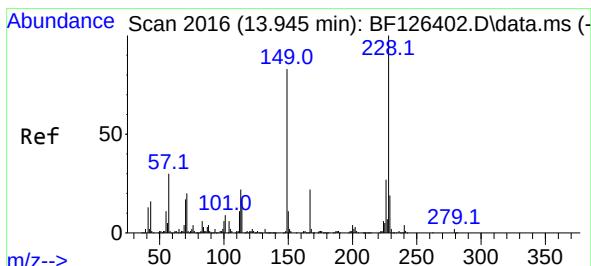
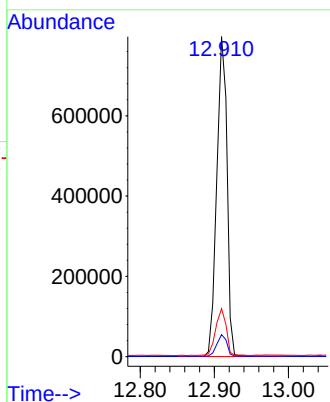
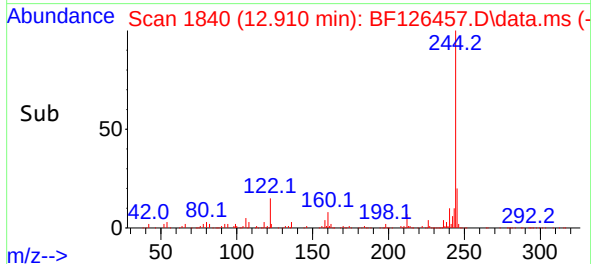


Tgt Ion:244 Resp: 76486
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.0 7.4
 122 15.0 13.3 19.9

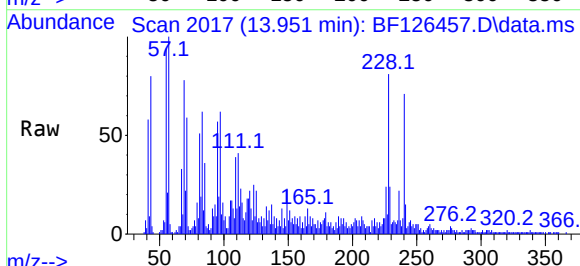
Manual Integrations

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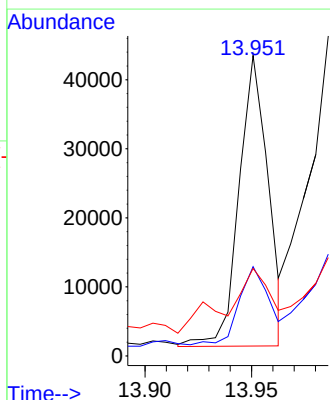
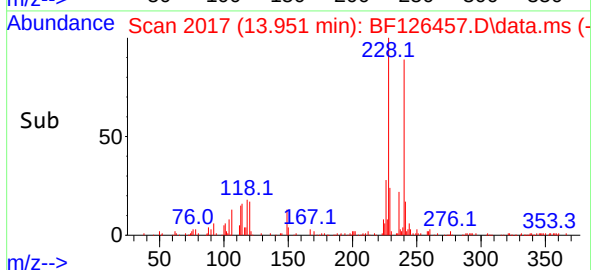
Reviewed By :Christian Giraldo 01/04/2022
 Supervised By :Jagrut Upadhyay 01/04/2022

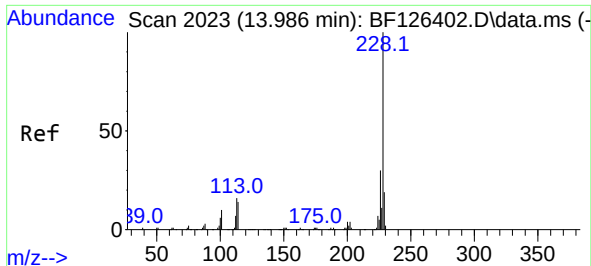


#81
 Benzo(a)anthracene
 Concen: 3.659 ng
 RT: 13.951 min Scan# 2017
 Delta R.T. 0.006 min
 Lab File: BF126457.D
 Acq: 3 Jan 2022 15:47



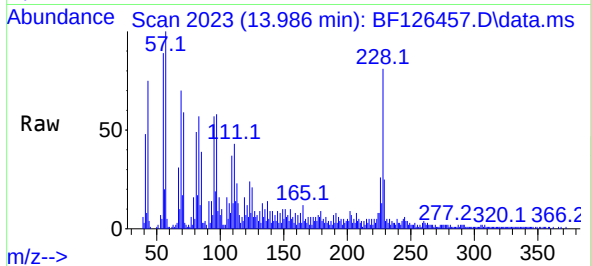
Tgt Ion:228 Resp: 40153
 Ion Ratio Lower Upper
 228 100
 226 29.7 21.4 32.0
 229 29.1 15.4 23.2#





#83
Chrysene
Concen: 4.586 ng
RT: 13.986 min Scan# 2023
Delta R.T. 0.000 min
Lab File: BF126457.D
Acq: 3 Jan 2022 15:47

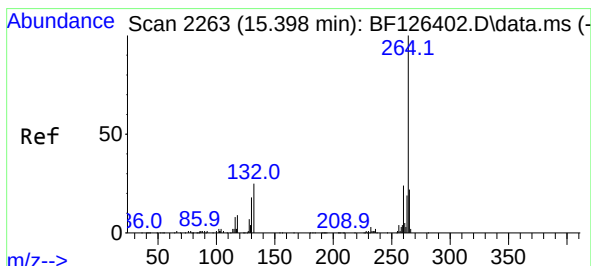
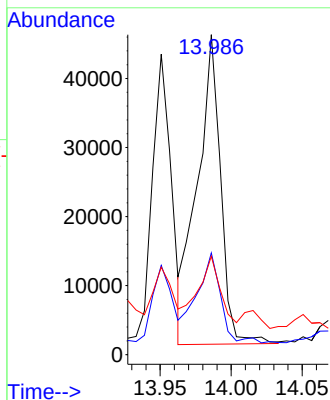
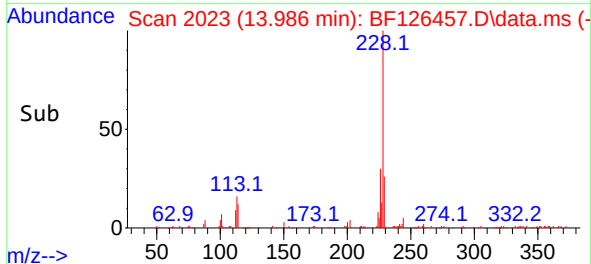
Instrument :
BNA_F
ClientSampleId :
TP-2D



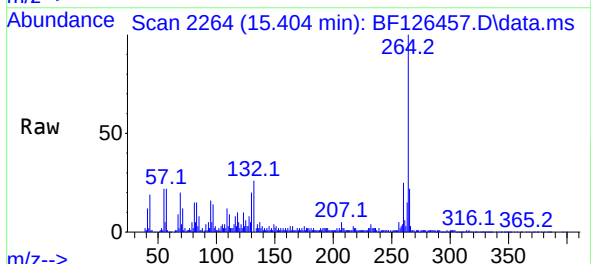
Tgt Ion:228 Resp: 5161
Ion Ratio Lower Upper
228 100
226 31.8 23.7 35.5
229 30.7 15.5 23.3

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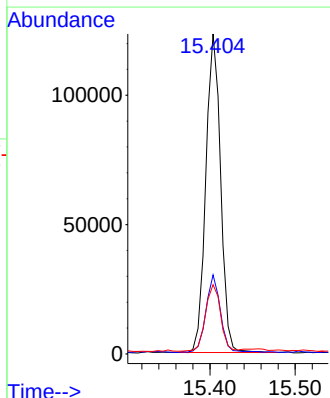
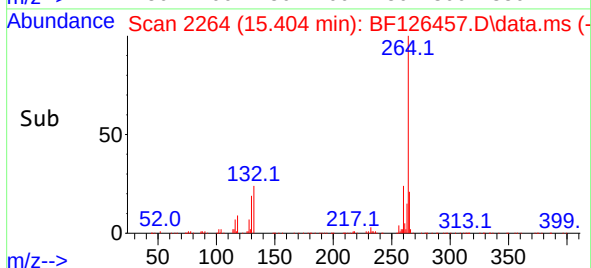
Reviewed By :Christian Giraldo 01/04/2022
Supervised By :Jagrut Upadhyay 01/04/2022

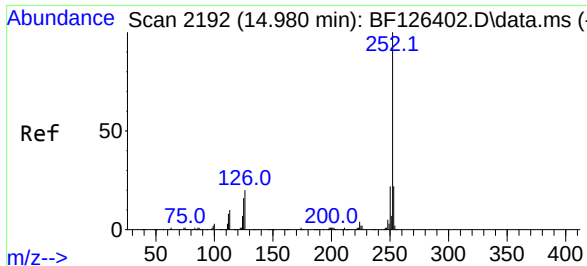


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.404 min Scan# 2264
Delta R.T. 0.006 min
Lab File: BF126457.D
Acq: 3 Jan 2022 15:47



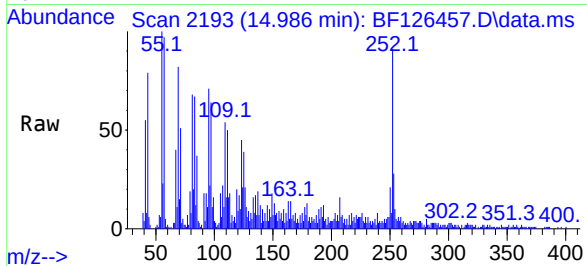
Tgt Ion:264 Resp: 148171
Ion Ratio Lower Upper
264 100
260 24.7 19.2 28.8
265 21.6 17.4 26.2





#88
Benzo(b)fluoranthene
Concen: 4.917 ng m
RT: 14.986 min Scan# 2192
Delta R.T. 0.006 min
Lab File: BF126457.D
Acq: 3 Jan 2022 15:47

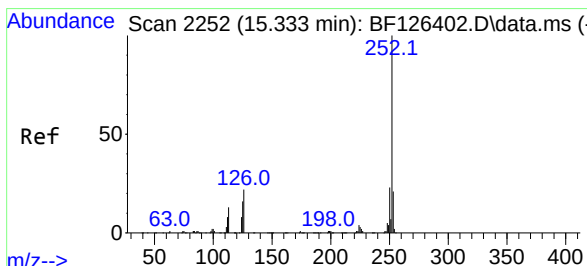
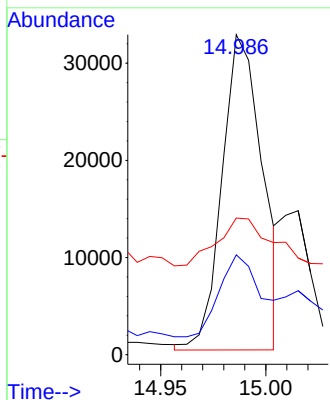
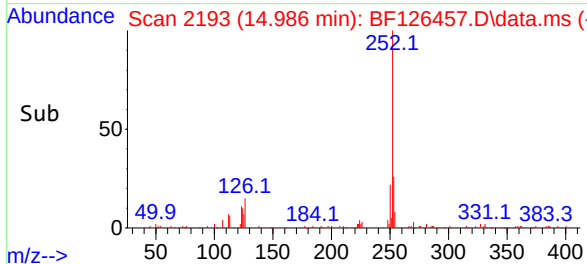
Instrument :
BNA_F
ClientSampleId :
TP-2D



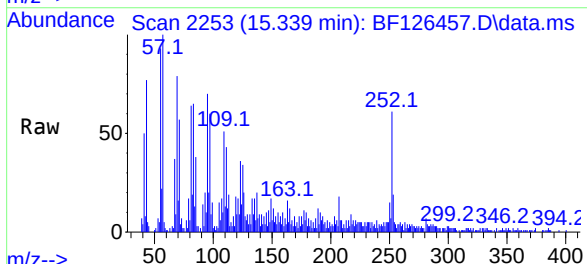
Tgt Ion:252 Resp: 4340
Ion Ratio Lower Upper
252 100
253 31.2 17.8 26.8#
125 42.7 12.4 18.6#

Manual Integrations
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Reviewed By :Christian Giraldo 01/04/2022
Supervised By :Jagrut Upadhyay 01/04/2022



#90
Benzo(a)pyrene
Concen: 2.962 ng
RT: 15.339 min Scan# 2253
Delta R.T. 0.006 min
Lab File: BF126457.D
Acq: 3 Jan 2022 15:47



Tgt Ion:252 Resp: 21924
Ion Ratio Lower Upper
252 100
253 30.7 17.1 25.7#
125 55.2 13.0 19.6#

