

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010522\
 Data File : BF126502.D
 Acq On : 5 Jan 2022 18:08
 Operator : JU/CG
 Sample : M5011-11
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HSB-5-(11.5-12)

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 01/06/2022
 Supervised By : Jagrut Upadhyay 01/06/2022

Quant Time: Jan 06 01:10:36 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122921.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 05 01:57:07 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	70278	20.000	ng	0.03
21) Naphthalene-d8	8.086	136	167553	20.000	ng	# 0.02
39) Acenaphthene-d10	9.828	164	151684	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	264309	20.000	ng	0.00
76) Chrysene-d12	13.945	240	178267	20.000	ng	# 0.00
86) Perylene-d12	15.380	264	152323	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	197532	40.364	ng	0.04
7) Phenol-d6	6.439	99	331869	52.358	ng	0.02
23) Nitrobenzene-d5	7.381	82	321577	98.546	ng	0.03
42) 2,4,6-Tribromophenol	10.616	330	130267	111.137	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	638707	74.098	ng	0.00
79) Terphenyl-d14	12.898	244	630430	68.711	ng	0.00
Target Compounds						Qvalue
27) 2,4-Dimethylphenol	7.745	122	16679m	7.369	ng	
31) Naphthalene	8.128	128	3811114	481.901	ng	96
37) 2-Methylnaphthalene	8.810	142	2838065	608.333	ng	98
38) 1-Methylnaphthalene	8.904	142	1467063	325.252	ng	100
46) 1,1'-Biphenyl	9.251	154	100327	9.018	ng	99
52) Acenaphthene	9.857	154	50135	5.984	ng	92
58) Fluorene	10.375	166	82580	10.312	ng	# 97
71) Phenanthrene	11.333	178	304663	22.546	ng	97
72) Anthracene	11.386	178	32460m	2.401	ng	
78) Pyrene	12.745	202	34739	2.306	ng	# 92

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

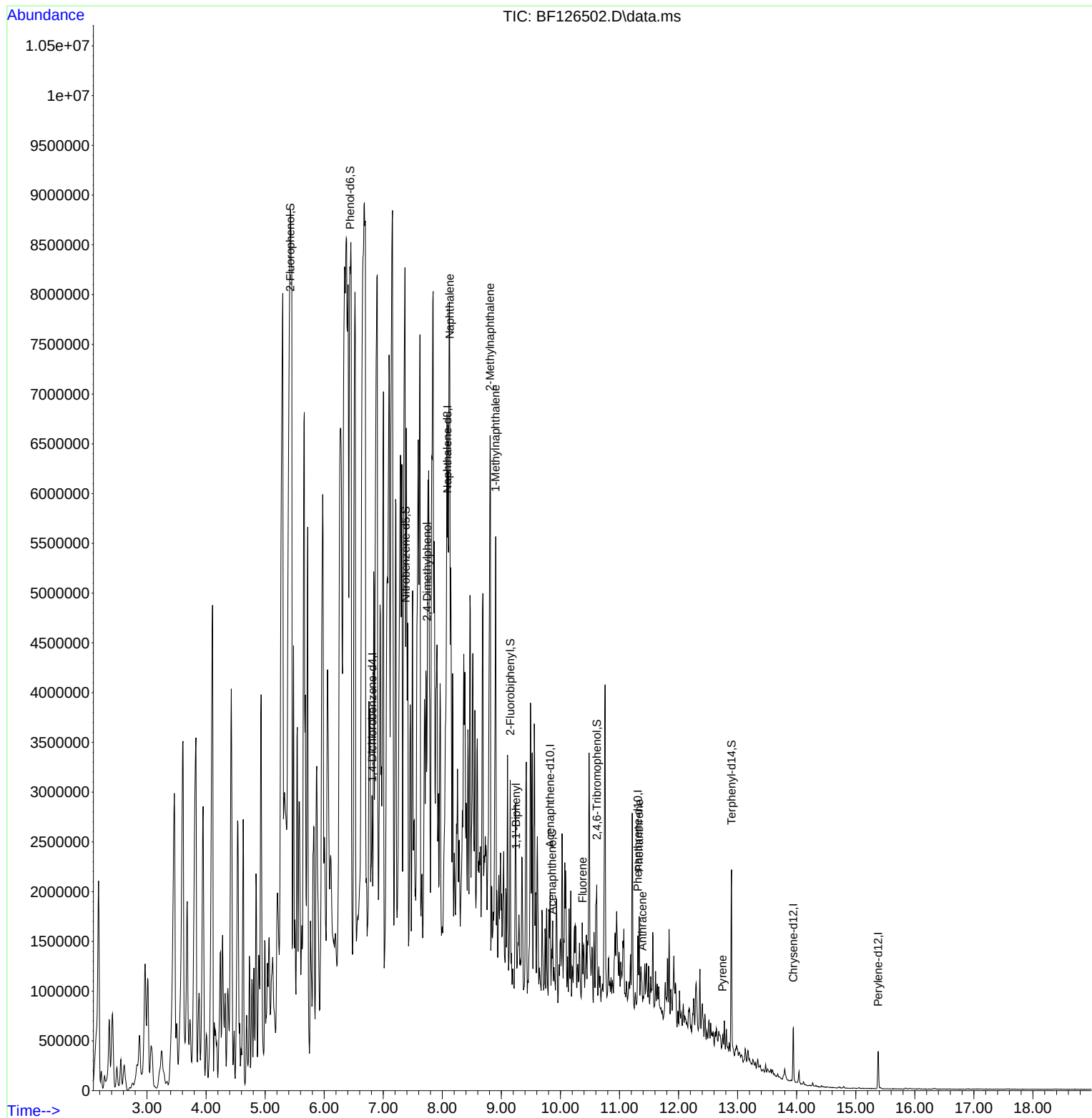
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010522\
Data File : BF126502.D
Acq On : 5 Jan 2022 18:08
Operator : JU/CG
Sample : M5011-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

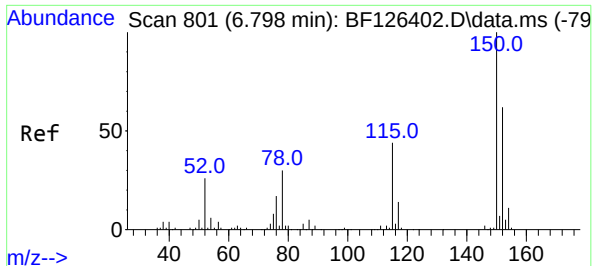
Instrument :
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ClientSampleId :
HSB-5-(11.5-12)

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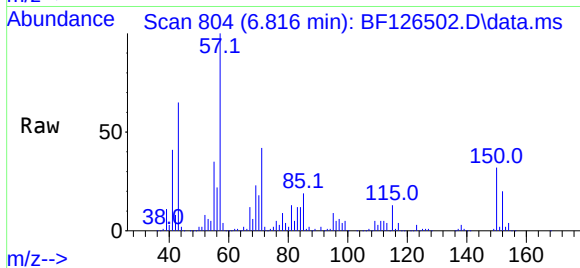
Quant Time: Jan 06 01:10:36 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 05 01:57:07 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 801
Delta R.T. 0.030 min
Lab File: BF126502.D
Acq: 5 Jan 2022 18:08

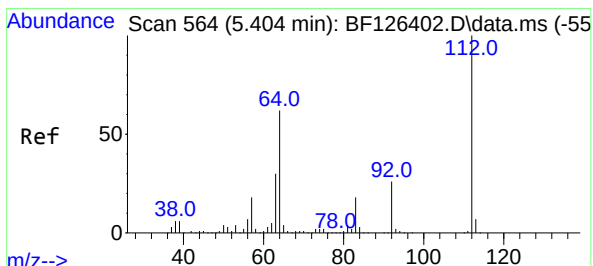
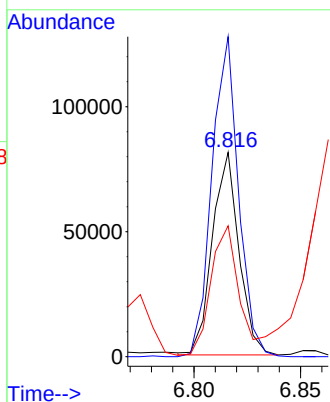
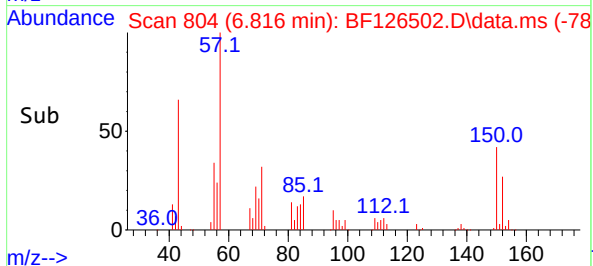
Instrument :
BNA_F
ClientSampleId :
HSB-5-(11.5-12)



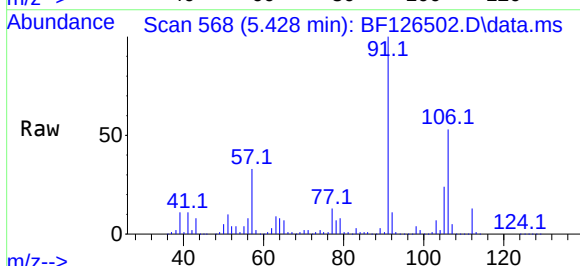
Tgt Ion:152 Resp: 70278
Ion Ratio Lower Upper
152 100
150 156.6 128.1 192.1
115 64.1 56.7 85.1

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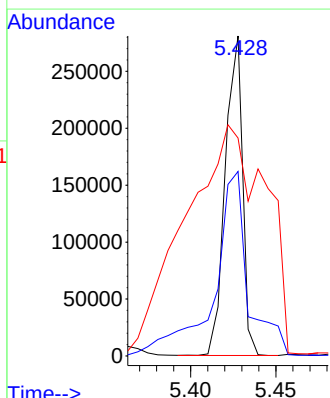
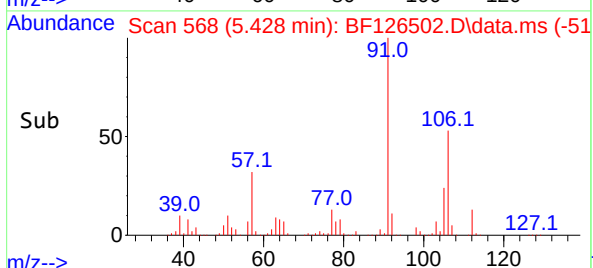
Reviewed By :Christian Giraldo 01/06/2022
Supervised By :Jagrut Upadhyay 01/06/2022

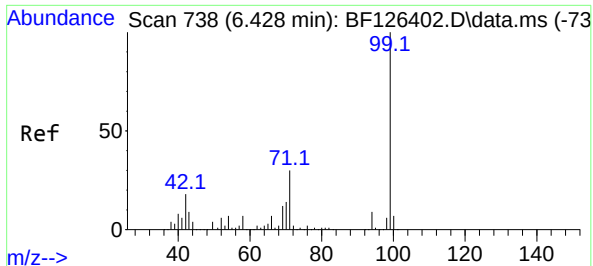


#5
2-Fluorophenol
Concen: 40.364 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.035 min
Lab File: BF126502.D
Acq: 5 Jan 2022 18:08



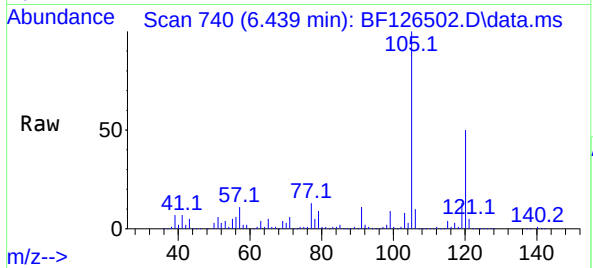
Tgt Ion:112 Resp: 197532
Ion Ratio Lower Upper
112 100
64 57.7 49.5 74.3
63 68.1 23.9 35.9#





#7
Phenol-d6
Concen: 52.358 ng
RT: 6.439 min Scan# 74
Delta R.T. 0.018 min
Lab File: BF126502.D
Acq: 5 Jan 2022 18:08

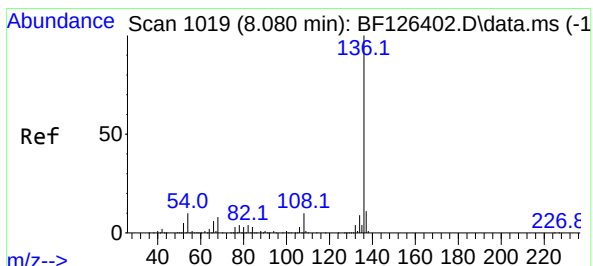
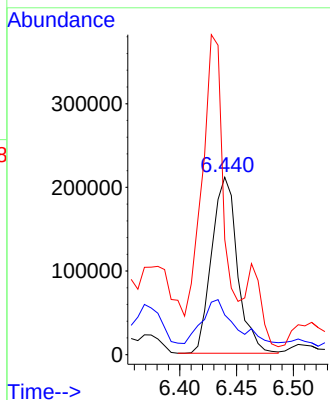
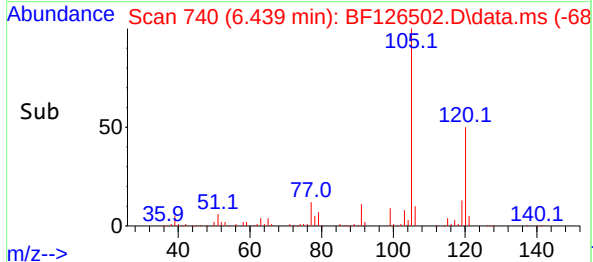
Instrument :
BNA_F
ClientSampleId :
HSB-5-(11.5-12)



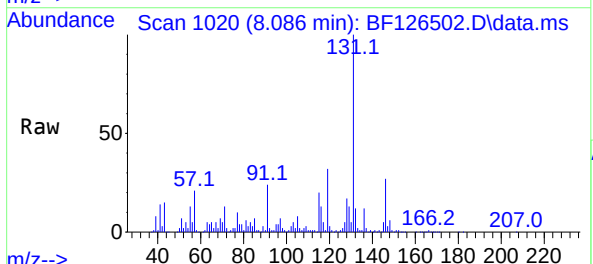
Tgt Ion: 99 Resp: 331869
Ion Ratio Lower Upper
99 100
42 22.4 14.2 21.4#
71 64.9 24.3 36.5#

Manual Integrations
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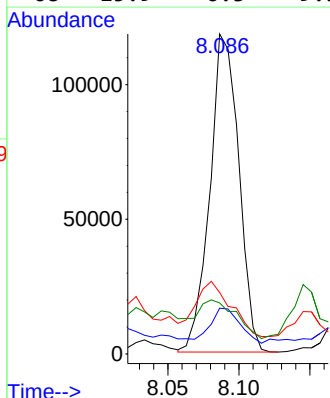
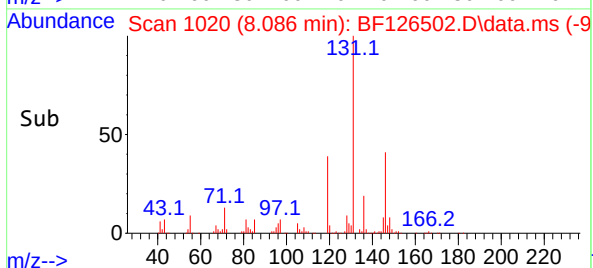
Reviewed By :Christian Giraldo 01/06/2022
Supervised By :Jagrut Upadhyay 01/06/2022

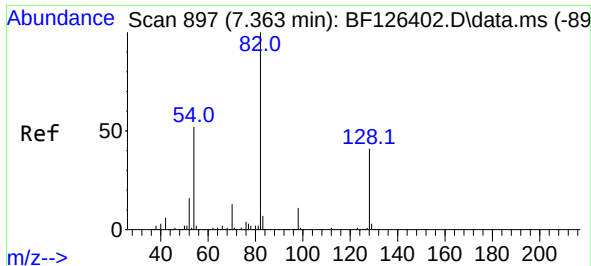


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.086 min Scan# 1020
Delta R.T. 0.018 min
Lab File: BF126502.D
Acq: 5 Jan 2022 18:08



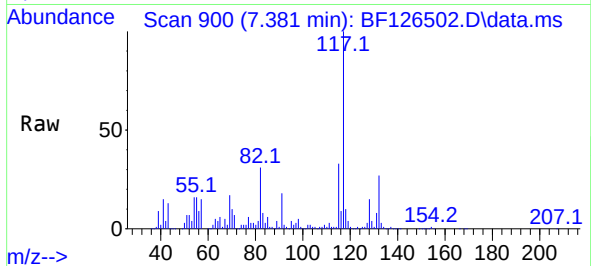
Tgt Ion:136 Resp: 167553
Ion Ratio Lower Upper
136 100
137 14.3 8.6 13.0#
54 19.2 7.8 11.6#
68 15.9 6.3 9.5#





#23
Nitrobenzene-d5
Concen: 98.546 ng
RT: 7.381 min Scan# 901
Delta R.T. 0.029 min
Lab File: BF126502.D
Acq: 5 Jan 2022 18:08

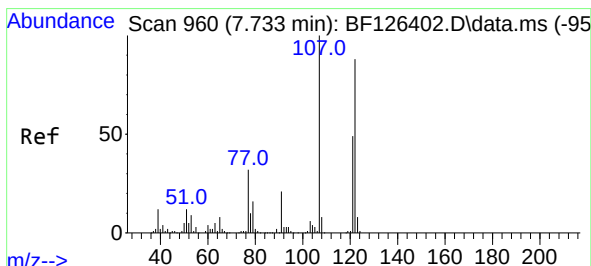
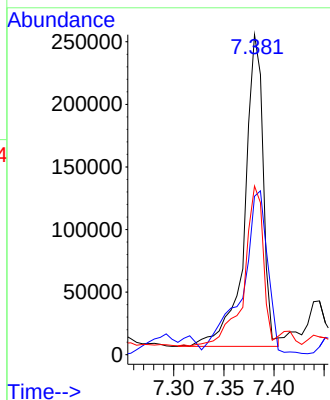
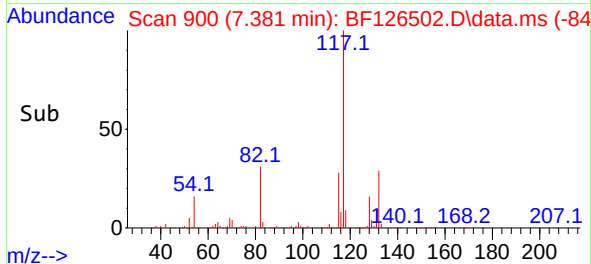
Instrument :
BNA_F
ClientSampleId :
HSB-5-(11.5-12)



Tgt Ion: 82 Resp: 32157
Ion Ratio Lower Upper
82 100
128 49.5 32.7 49.1
54 52.7 41.7 62.5

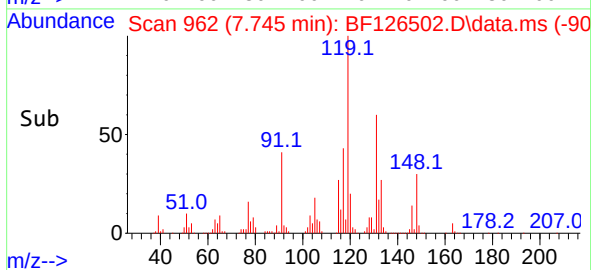
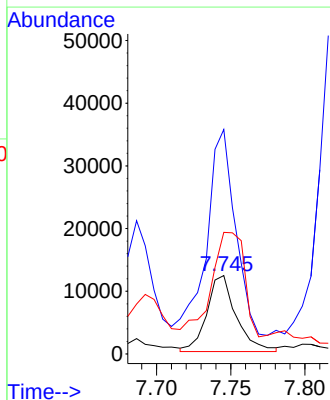
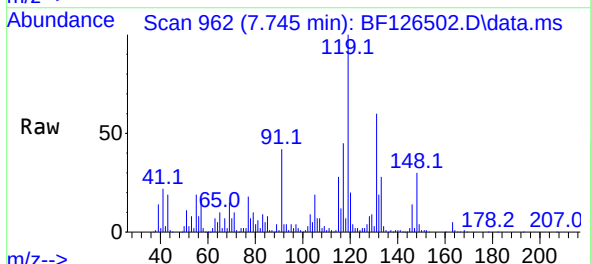
Manual Integrations
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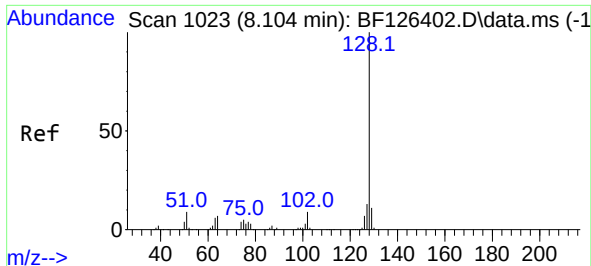
Reviewed By :Christian Giraldo 01/06/2022
Supervised By :Jagrut Upadhyay 01/06/2022



#27
2,4-Dimethylphenol
Concen: 7.369 ng m
RT: 7.745 min Scan# 962
Delta R.T. 0.018 min
Lab File: BF126502.D
Acq: 5 Jan 2022 18:08

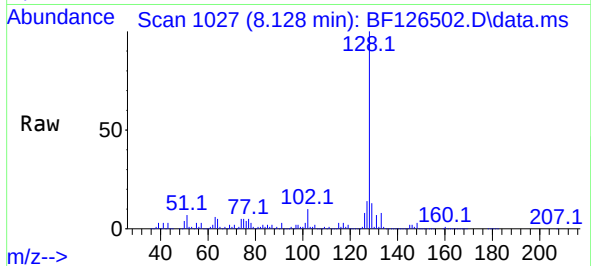
Tgt Ion:122 Resp: 16679
Ion Ratio Lower Upper
122 100
107 286.3 91.2 136.8#
121 155.0 44.4 66.6#





#31
Naphthalene
Concen: 481.901 ng
RT: 8.128 min Scan# 1027
Delta R.T. 0.035 min
Lab File: BF126502.D
Acq: 5 Jan 2022 18:08

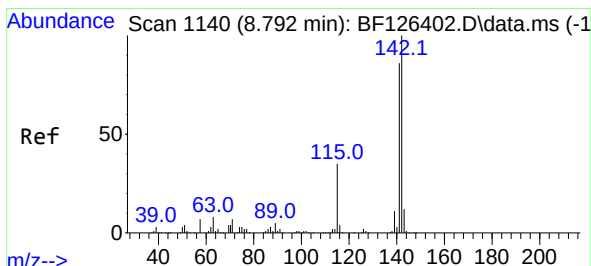
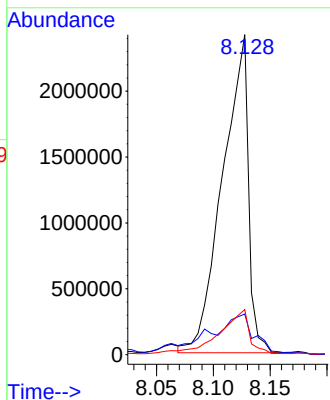
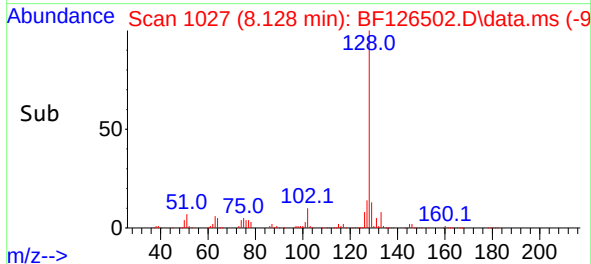
Instrument :
BNA_F
ClientSampleId :
HSB-5-(11.5-12)



Tgt Ion:128 Resp: 3811114
Ion Ratio Lower Upper
128 100
129 12.7 8.6 13.0
127 14.1 10.3 15.5

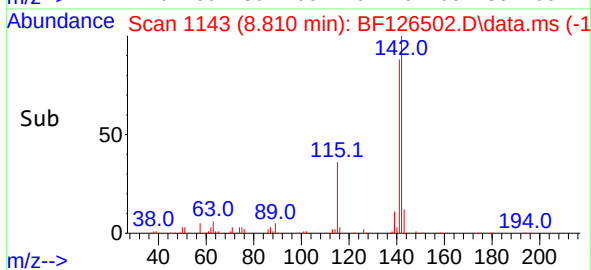
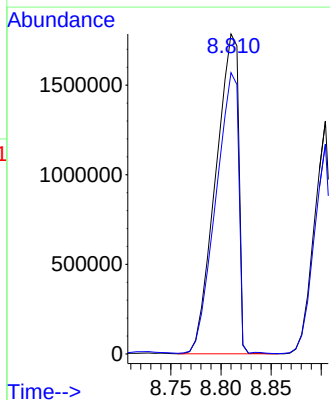
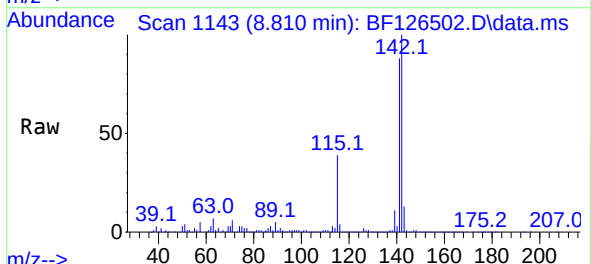
Manual Integrations
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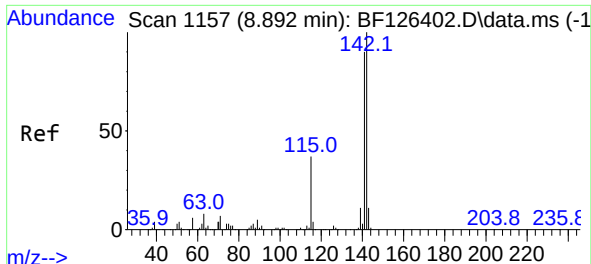
Reviewed By :Christian Giraldo 01/06/2022
Supervised By :Jagrut Upadhyay 01/06/2022



#37
2-Methylnaphthalene
Concen: 608.333 ng
RT: 8.810 min Scan# 1143
Delta R.T. 0.030 min
Lab File: BF126502.D
Acq: 5 Jan 2022 18:08

Tgt Ion:142 Resp: 2838065
Ion Ratio Lower Upper
142 100
141 87.9 68.6 102.8





#38

1-Methylnaphthalene

Concen: 325.252 ng

RT: 8.904 min Scan# 1159

Delta R.T. 0.024 min

Lab File: BF126502.D

Acq: 5 Jan 2022 18:08

Instrument :

BNA_F

ClientSampleId :

HSB-5-(11.5-12)

Tgt Ion:142 Resp: 146706

Ion Ratio Lower Upper

142 100

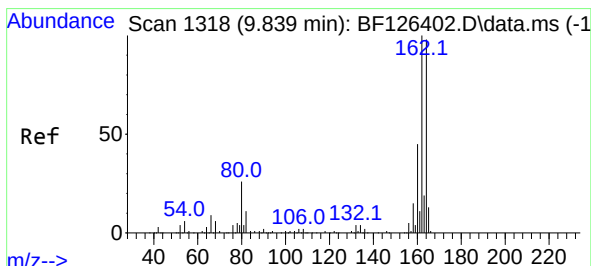
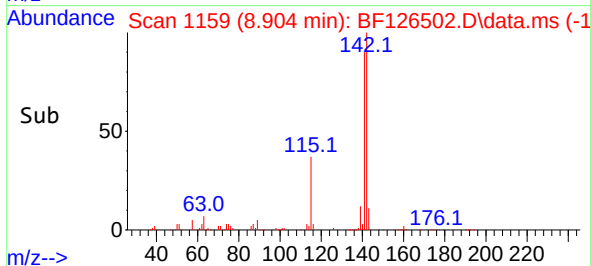
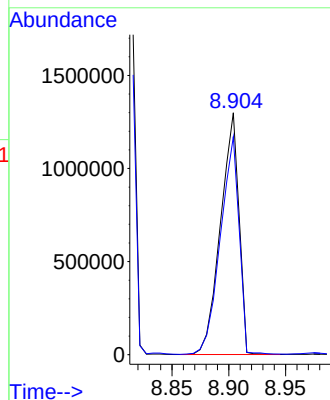
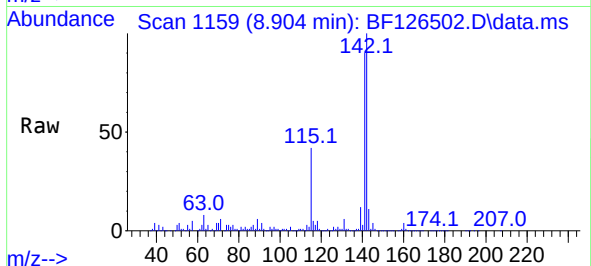
141 90.1 72.1 108.1

Manual Integrations

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Supervised By :Jagrut Upadhyay 01/06/2022



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.828 min Scan# 1316

Delta R.T. 0.000 min

Lab File: BF126502.D

Acq: 5 Jan 2022 18:08

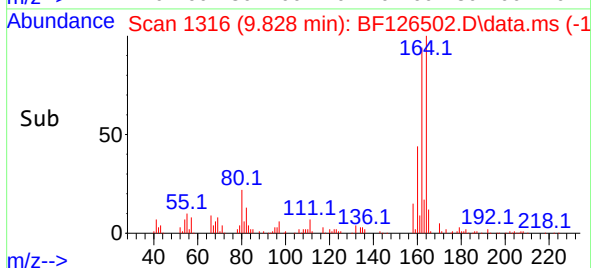
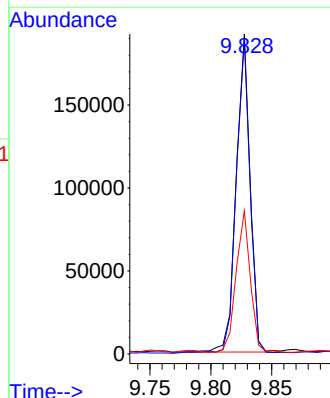
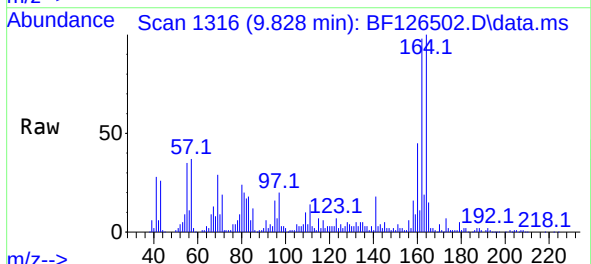
Tgt Ion:164 Resp: 151684

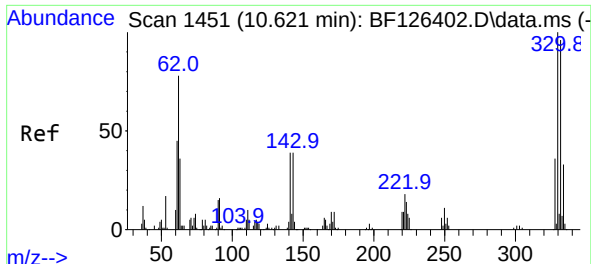
Ion Ratio Lower Upper

164 100

162 98.3 81.4 122.0

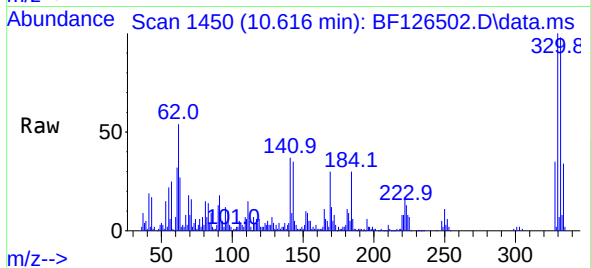
160 44.8 36.6 54.8





#42
2,4,6-Tribromophenol
Concen: 111.137 ng
RT: 10.616 min Scan# 1451
Delta R.T. 0.000 min
Lab File: BF126502.D
Acq: 5 Jan 2022 18:08

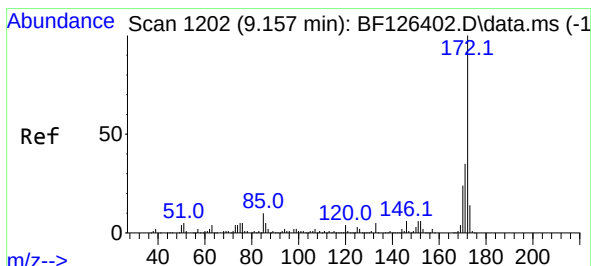
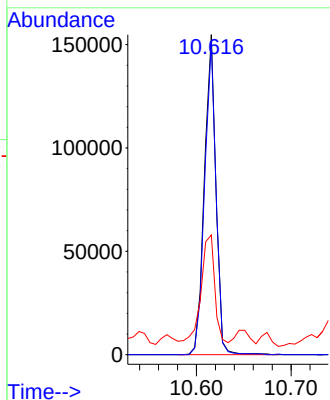
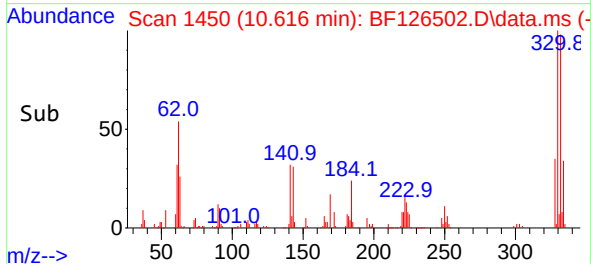
Instrument :
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HSB-5-(11.5-12)



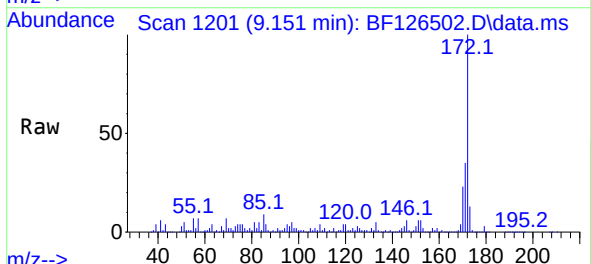
Tgt Ion: 330 Resp: 13026
Ion Ratio Lower Upper
330 100
332 96.3 76.0 114.0
141 39.2 30.1 45.1

Manual Integrations
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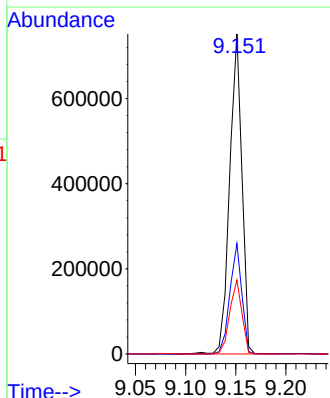
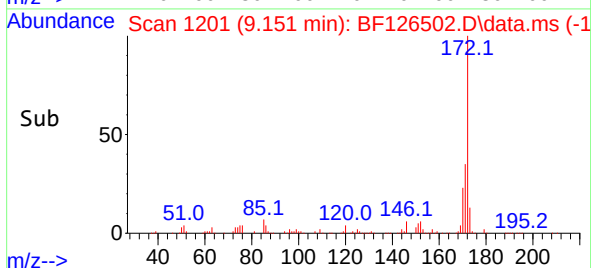
Reviewed By : Christian Giraldo 01/06/2022
Supervised By : Jagrut Upadhyay 01/06/2022

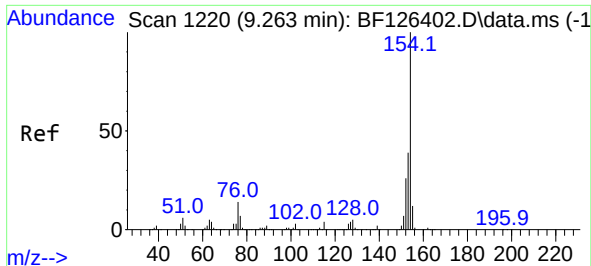


#45
2-Fluorobiphenyl
Concen: 74.098 ng
RT: 9.151 min Scan# 1201
Delta R.T. 0.000 min
Lab File: BF126502.D
Acq: 5 Jan 2022 18:08



Tgt Ion: 172 Resp: 638707
Ion Ratio Lower Upper
172 100
171 34.5 28.3 42.5
170 23.1 19.0 28.6





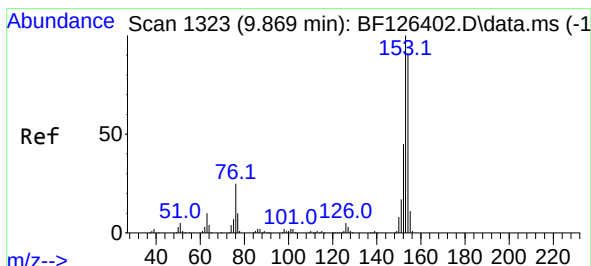
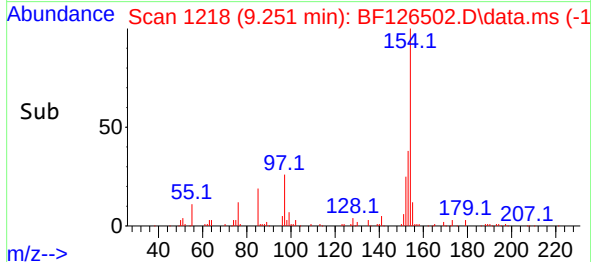
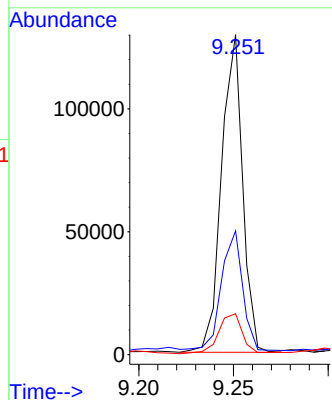
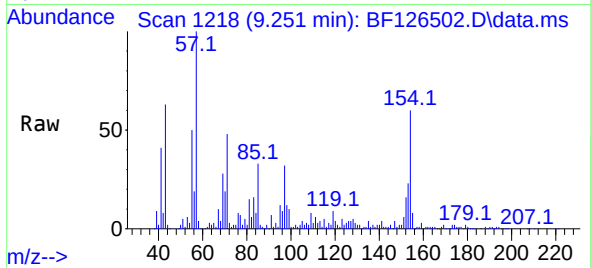
#46
1,1'-Biphenyl
Concen: 9.018 ng
RT: 9.251 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF126502.D
Acq: 5 Jan 2022 18:08

Instrument :
BNA_F
ClientSampleId :
HSB-5-(11.5-12)

Tgt Ion:154 Resp: 10032
Ion Ratio Lower Upper
154 100
153 38.7 19.0 59.0
76 12.8 0.0 34.5

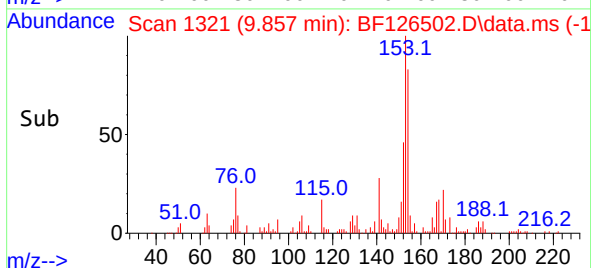
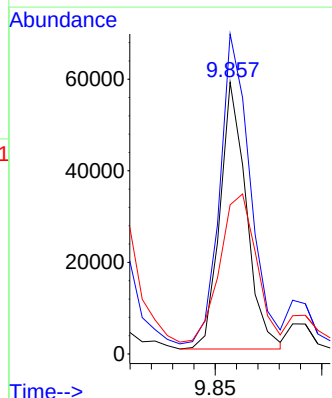
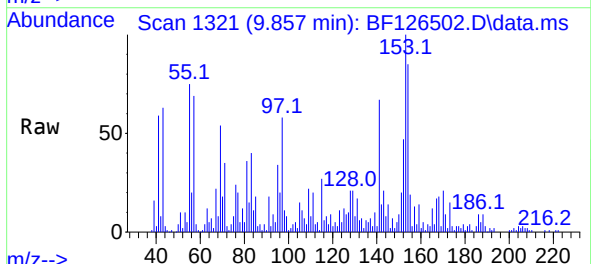
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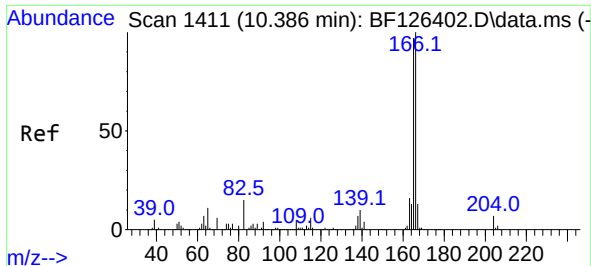
Reviewed By :Christian Giraldo 01/06/2022
Supervised By :Jagrut Upadhyay 01/06/2022



#52
Acenaphthene
Concen: 5.984 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF126502.D
Acq: 5 Jan 2022 18:08

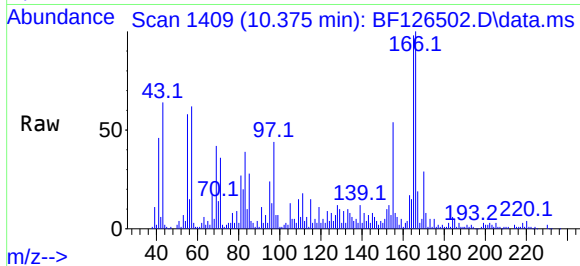
Tgt Ion:154 Resp: 50135
Ion Ratio Lower Upper
154 100
153 117.8 87.8 131.6
152 54.9 39.4 59.2





#58
Fluorene
Concen: 10.312 ng
RT: 10.375 min Scan# 1411
Delta R.T. 0.000 min
Lab File: BF126502.D
Acq: 5 Jan 2022 18:08

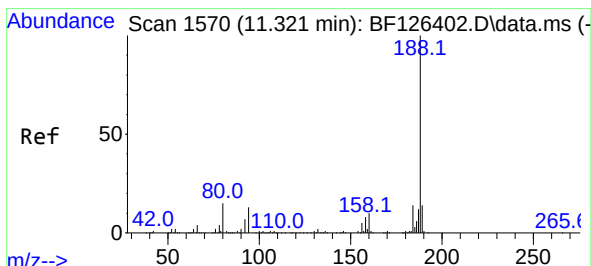
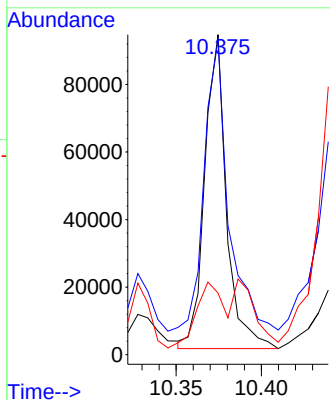
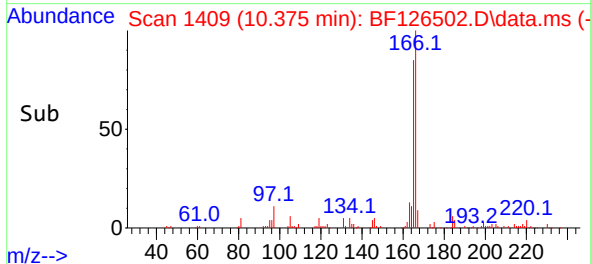
Instrument :
BNA_F
ClientSampleId :
HSB-5-(11.5-12)



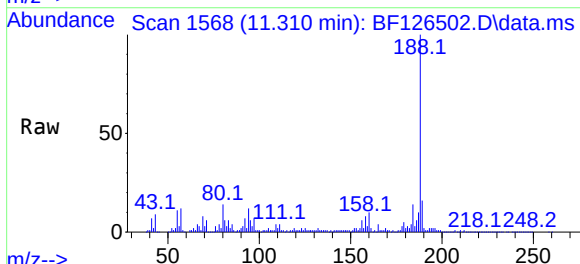
Tgt Ion:166 Resp: 82580
Ion Ratio Lower Upper
166 100
165 98.3 77.7 116.5
167 19.3 10.7 16.1

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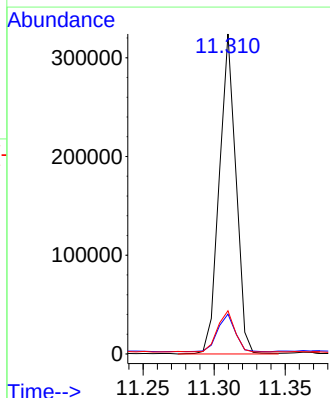
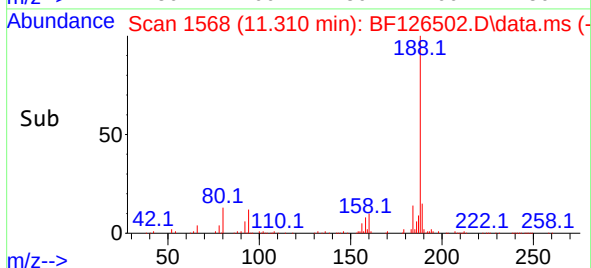
Reviewed By :Christian Giraldo 01/06/2022
Supervised By :Jagrut Upadhyay 01/06/2022

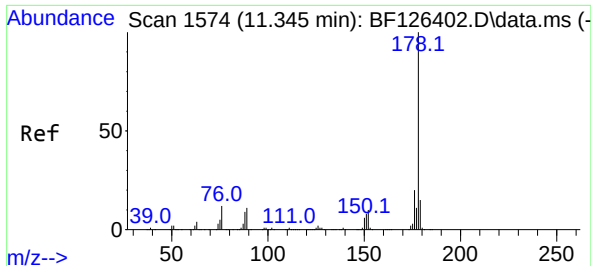


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BF126502.D
Acq: 5 Jan 2022 18:08



Tgt Ion:188 Resp: 264309
Ion Ratio Lower Upper
188 100
94 12.5 10.1 15.1
80 13.5 11.8 17.6





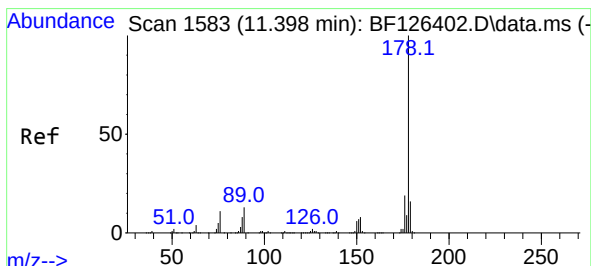
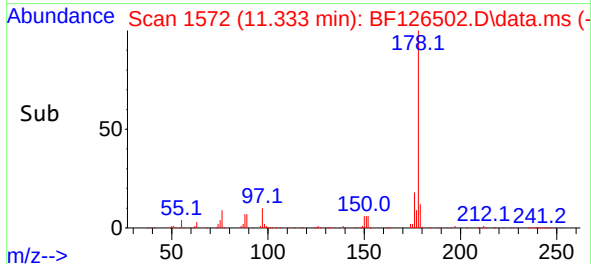
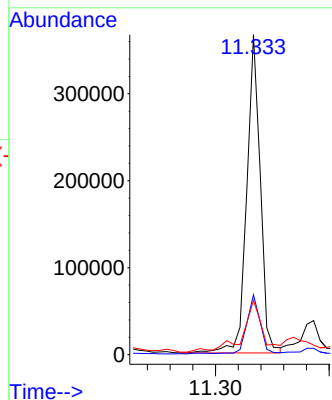
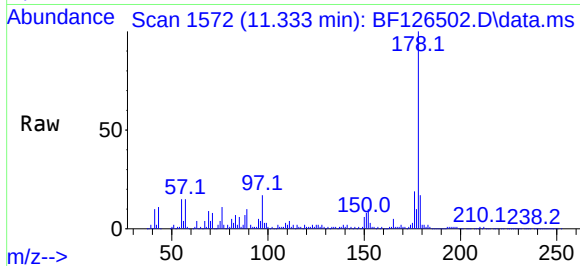
#71
Phenanthrene
Concen: 22.546 ng
RT: 11.333 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF126502.D
Acq: 5 Jan 2022 18:08

Instrument :
BNA_F
ClientSampleId :
HSB-5-(11.5-12)

Tgt Ion:178 Resp: 30466
Ion Ratio Lower Upper
178 100
176 18.7 15.7 23.5
179 17.0 12.3 18.5

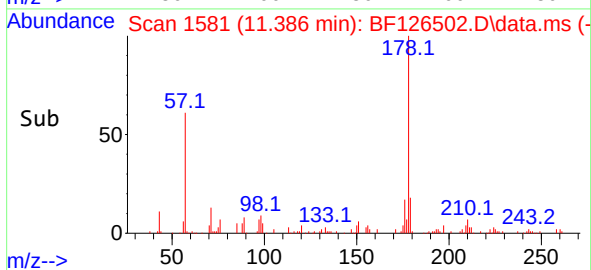
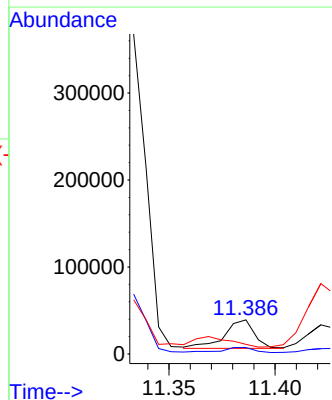
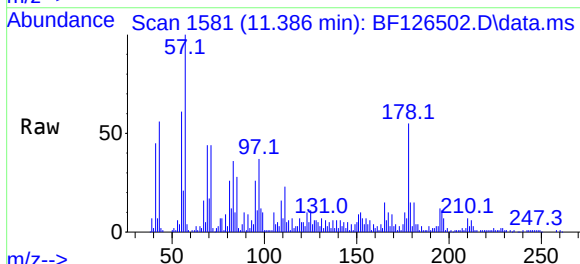
Manual Integrations
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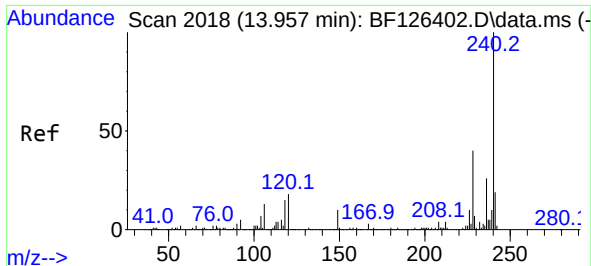
Reviewed By :Christian Giraldo 01/06/2022
Supervised By :Jagrut Upadhyay 01/06/2022



#72
Anthracene
Concen: 2.401 ng m
RT: 11.386 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF126502.D
Acq: 5 Jan 2022 18:08

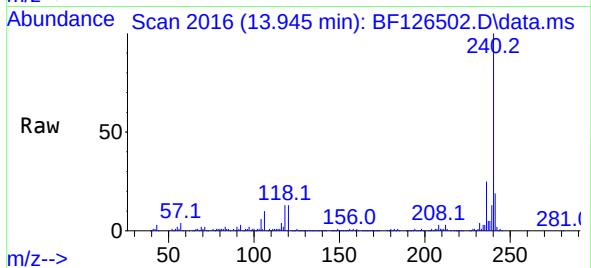
Tgt Ion:178 Resp: 32460
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.6
179 28.3 12.5 18.7#





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.945 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF126502.D
Acq: 5 Jan 2022 18:08

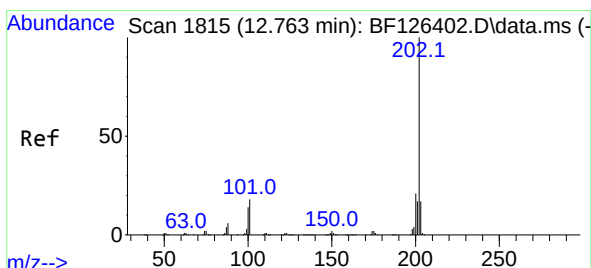
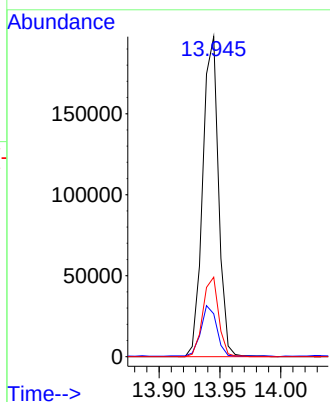
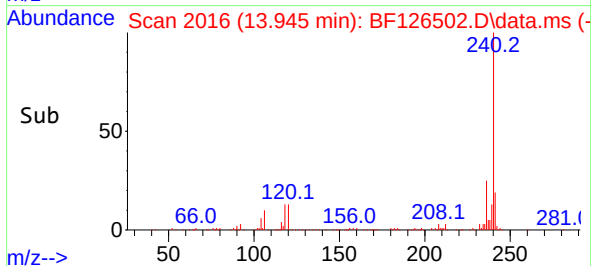
Instrument :
BNA_F
ClientSampleId :
HSB-5-(11.5-12)



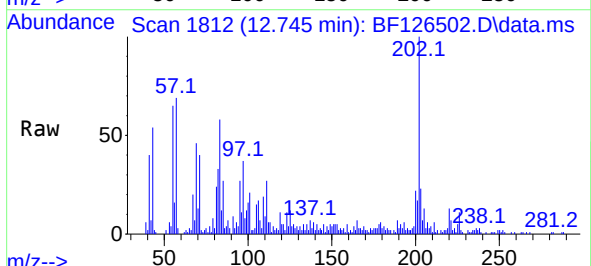
Tgt Ion:240 Resp: 17826
Ion Ratio Lower Upper
240 100
120 13.4 14.4 21.6
236 24.9 20.5 30.7

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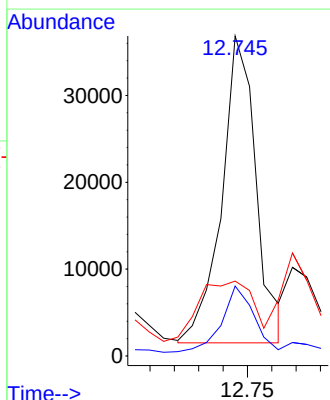
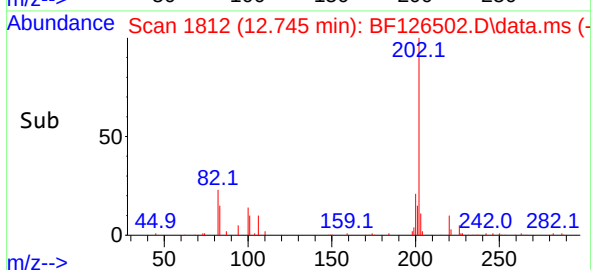
Reviewed By :Christian Giraldo 01/06/2022
Supervised By :Jagrut Upadhyay 01/06/2022

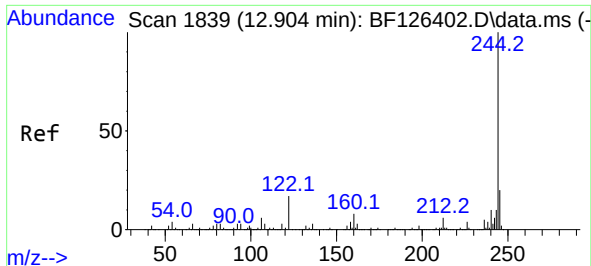


#78
Pyrene
Concen: 2.306 ng
RT: 12.745 min Scan# 1812
Delta R.T. -0.006 min
Lab File: BF126502.D
Acq: 5 Jan 2022 18:08



Tgt Ion:202 Resp: 34739
Ion Ratio Lower Upper
202 100
200 21.9 16.6 24.8
203 23.4 13.8 20.8





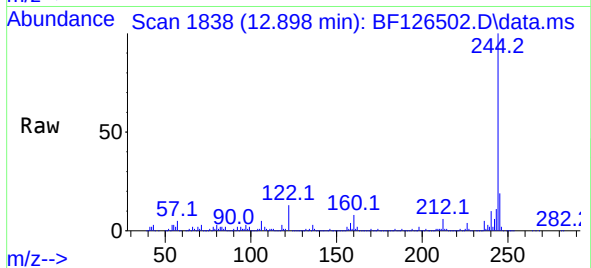
#79
Terphenyl-d14
Concen: 68.711 ng
RT: 12.898 min Scan# 1839
Delta R.T. 0.000 min
Lab File: BF126502.D
Acq: 5 Jan 2022 18:08

Instrument :

BNA_F

ClientSampleId :

HSB-5-(11.5-12)

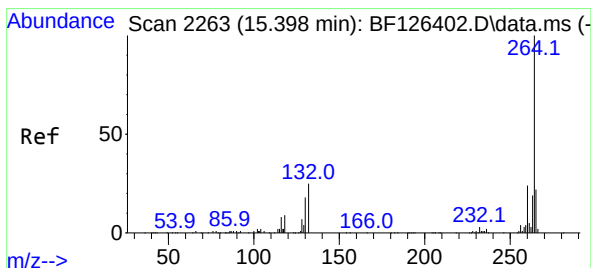
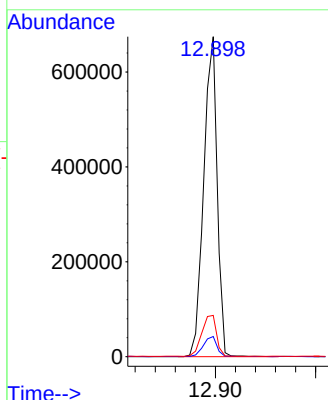
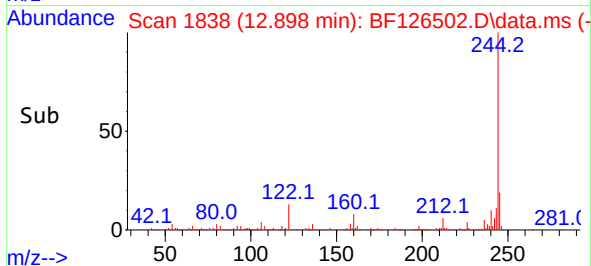


Tgt Ion:244 Resp: 630430
Ion Ratio Lower Upper
244 100
212 6.3 5.0 7.4
122 12.9 13.3 19.9

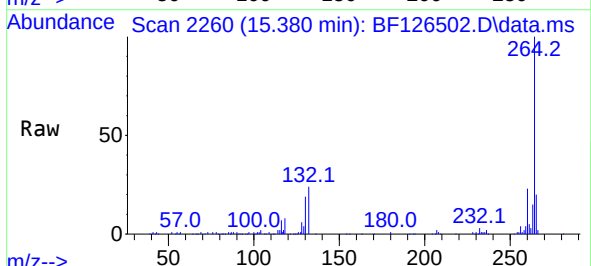
Manual Integrations

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Reviewed By :Christian Giraldo 01/06/2022
Supervised By :Jagrut Upadhyay 01/06/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.380 min Scan# 2260
Delta R.T. -0.006 min
Lab File: BF126502.D
Acq: 5 Jan 2022 18:08



Tgt Ion:264 Resp: 152323
Ion Ratio Lower Upper
264 100
260 23.3 19.2 28.8
265 20.3 17.4 26.2

