

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122121\
 Data File : BF126319.D
 Acq On : 22 Dec 2021 3:00
 Operator : JU/CG
 Sample : M5182-04
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HB-3-(10-15)-12-17-21

Quant Time: Dec 22 05:24:49 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 16 12:22:48 2021
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 12/22/2021
 Supervised By :mohammad ahmed 12/27/2021

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	186899	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	762529	20.000	ng	# 0.00
39) Acenaphthene-d10	9.857	164	274996	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	287341	20.000	ng	# 0.01
76) Chrysene-d12	13.998	240	161558	20.000	ng	# 0.03
86) Perylene-d12	15.457	264	199288	20.000	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	1176094	92.669	ng	0.01
7) Phenol-d6	6.445	99	1522522	94.480	ng	0.00
23) Nitrobenzene-d5	7.381	82	971983	69.036	ng	0.00
42) 2,4,6-Tribromophenol	10.645	330	213118	96.434	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	1199270	76.488	ng	0.00
79) Terphenyl-d14	12.945	244	456173	49.077	ng	0.02
Target Compounds						Qvalue
31) Naphthalene	8.122	128	126256	3.541	ng	98
71) Phenanthrene	11.369	178	213401	14.389	ng	# 86
72) Anthracene	11.422	178	64746	4.350	ng	# 72
74) Di-n-butylphthalate	11.916	149	51452	2.895	ng	# 58
75) Fluoranthene	12.569	202	243139	18.196	ng	90
78) Pyrene	12.798	202	256059	17.252	ng	# 94
81) Benzo(a)anthracene	13.986	228	123361	12.891	ng	# 93
83) Chrysene	14.021	228	109114	10.974	ng	# 89
87) Indeno(1,2,3-cd)pyrene	16.886	276	85822	6.456	ng	100
88) Benzo(b)fluoranthene	15.033	252	160991m	13.445	ng	
89) Benzo(k)fluoranthene	15.057	252	44696m	3.902	ng	
90) Benzo(a)pyrene	15.392	252	141530	14.221	ng	# 69
92) Benzo(g,h,i)perylene	17.315	276	80538	7.204	ng	# 88

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

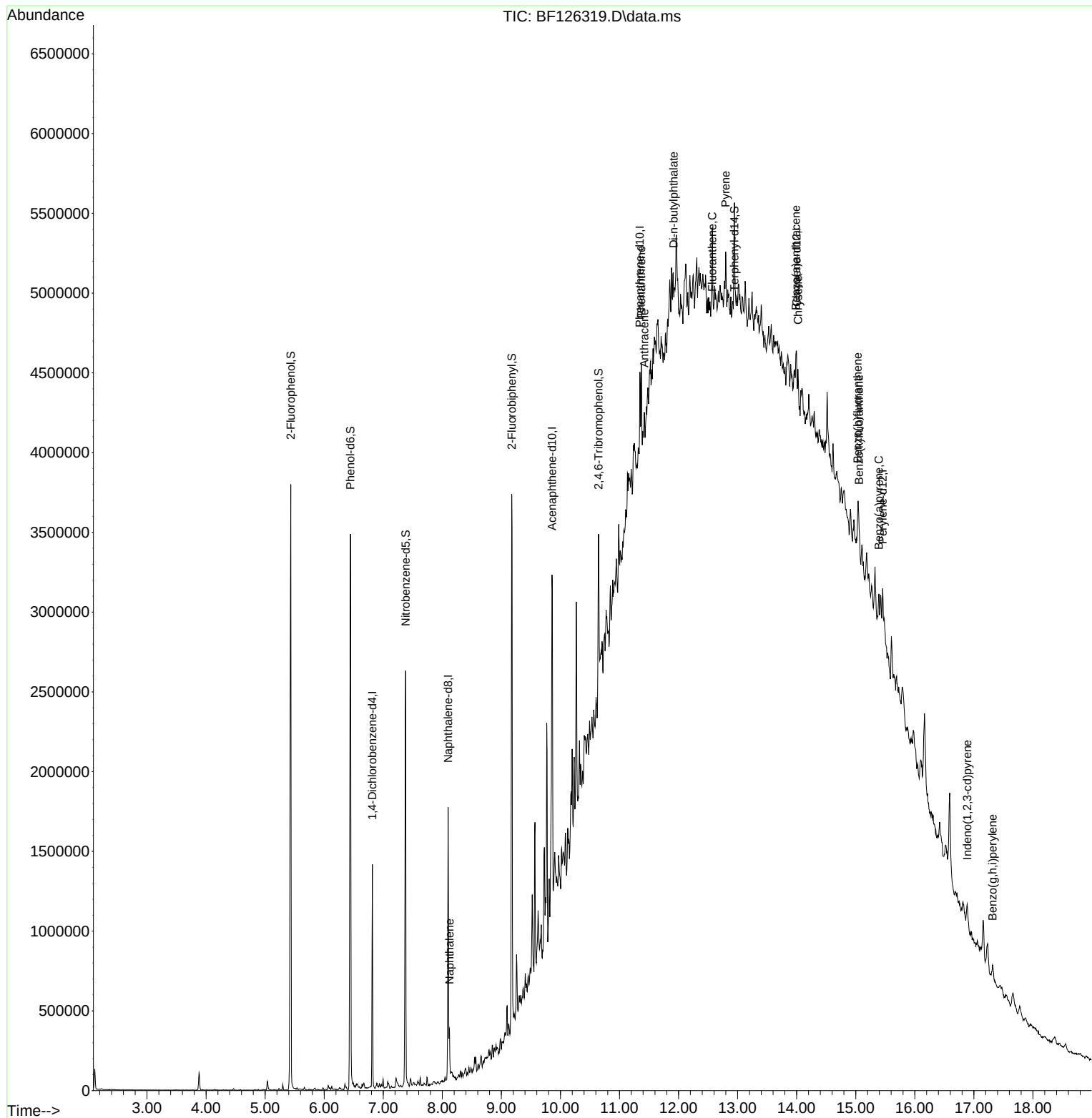
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122121\
Data File : BF126319.D
Acq On : 22 Dec 2021 3:00
Operator : JU/CG
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Misc :
ALS Vial : 21 Sample Multiplier: 1

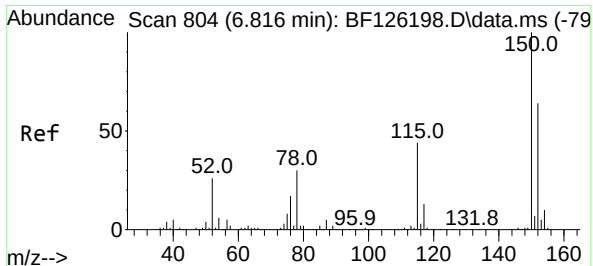
Instrument :
BNA_F
ClientSampleId :
HB-3-(10-15)-12-17-21

Quant Time: Dec 22 05:24:49 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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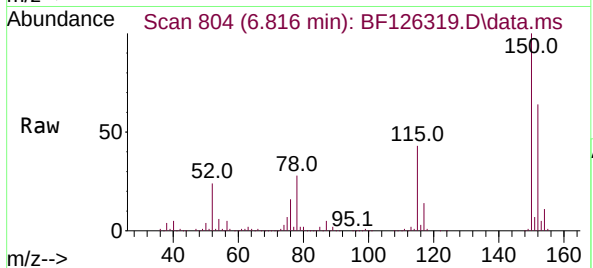
Reviewed By :Jagrut Upadhyay 12/22/2021
Supervised By :mohammad ahmed 12/27/2021





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 804
Delta R.T. -0.000 min
Lab File: BF126319.D
Acq: 22 Dec 2021 3:00

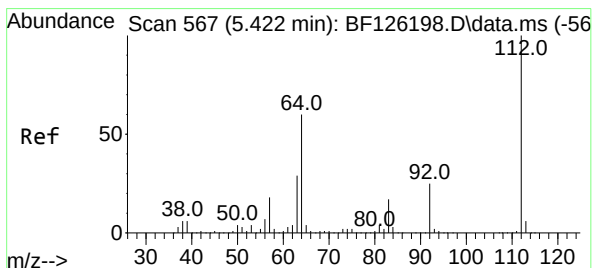
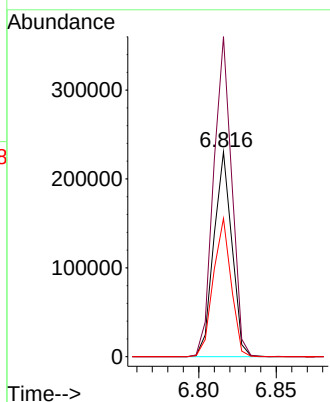
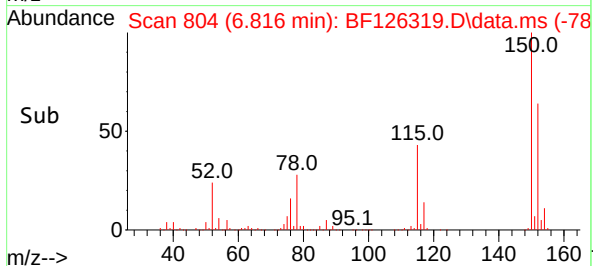
Instrument :
BNA_F
ClientSampleId :
HB-3-(10-15)-12-17-21



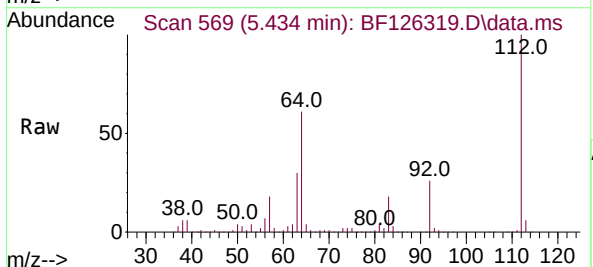
Tgt Ion:152 Resp: 186899
Ion Ratio Lower Upper
152 100
150 156.3 117.6 176.4
115 67.6 47.1 70.7

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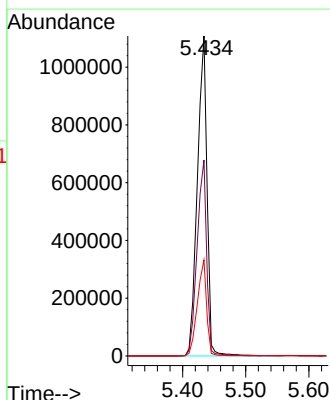
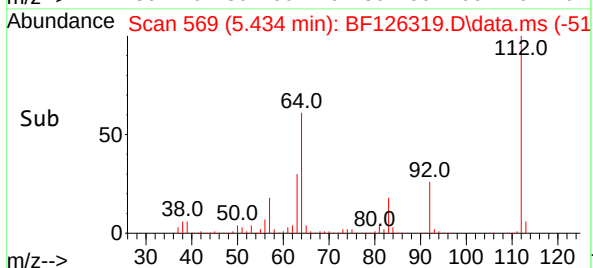
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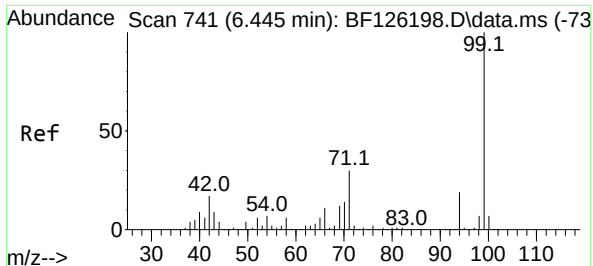


#5
2-Fluorophenol
Concen: 92.669 ng
RT: 5.434 min Scan# 569
Delta R.T. 0.012 min
Lab File: BF126319.D
Acq: 22 Dec 2021 3:00



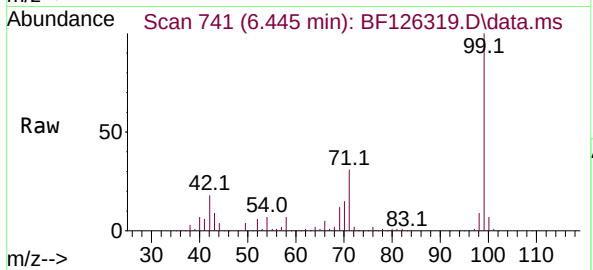
Tgt Ion:112 Resp: 1176094
Ion Ratio Lower Upper
112 100
64 61.2 44.2 66.2
63 30.0 26.2 39.2





#7
Phenol-d6
Concen: 94.480 ng
RT: 6.445 min Scan# 741
Delta R.T. 0.000 min
Lab File: BF126319.D
Acq: 22 Dec 2021 3:00

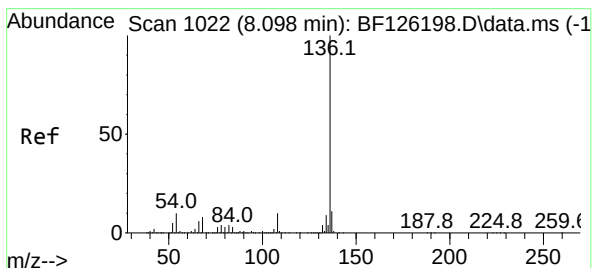
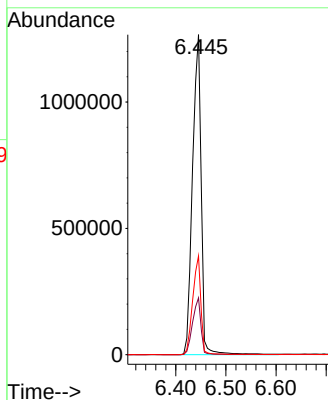
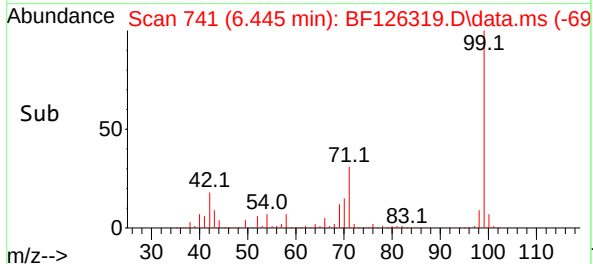
Instrument :
BNA_F
ClientSampleId :
HB-3-(10-15)-12-17-21



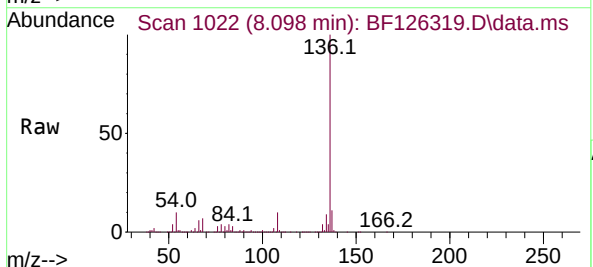
Tgt Ion: 99 Resp: 152252
Ion Ratio Lower Upper
99 100
42 17.8 23.5 35.3#
71 30.9 25.6 38.4#

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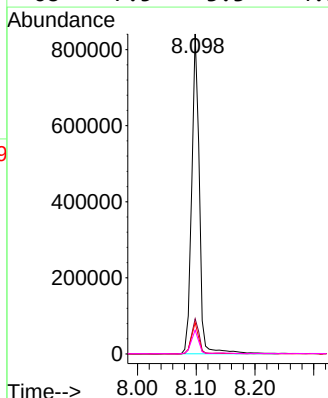
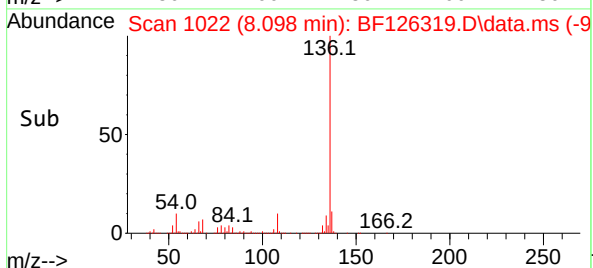
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Supervised By :mohammad ahmed 12/27/2021

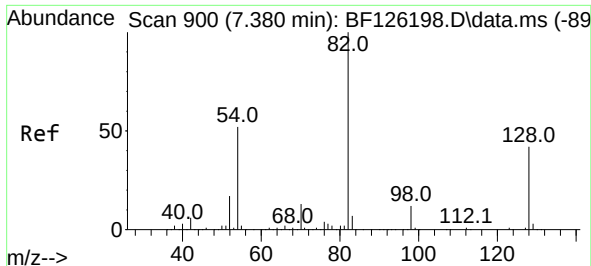


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1022
Delta R.T. 0.000 min
Lab File: BF126319.D
Acq: 22 Dec 2021 3:00



Tgt Ion:136 Resp: 762529
Ion Ratio Lower Upper
136 100
137 11.0 9.8 14.6
54 9.7 6.4 9.6#
68 7.5 3.3 4.9#





#23

Nitrobenzene-d5

Concen: 69.036 ng

RT: 7.381 min Scan# 900

Delta R.T. 0.000 min

Lab File: BF126319.D

Acq: 22 Dec 2021 3:00

Instrument :

BNA_F

ClientSampleId :

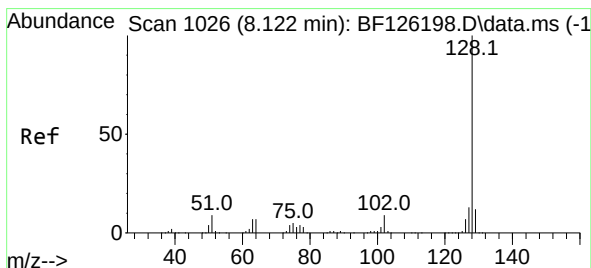
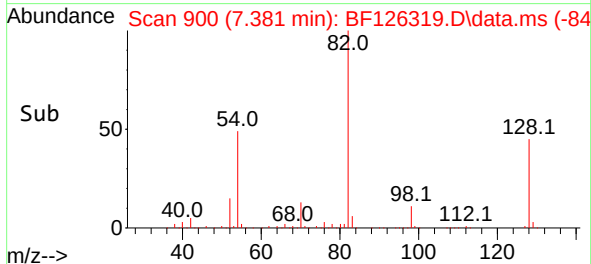
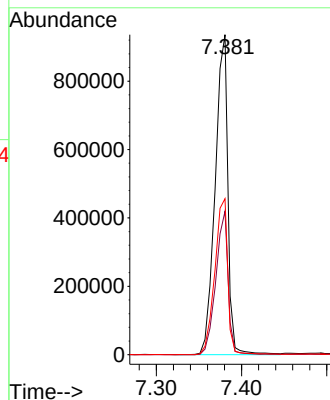
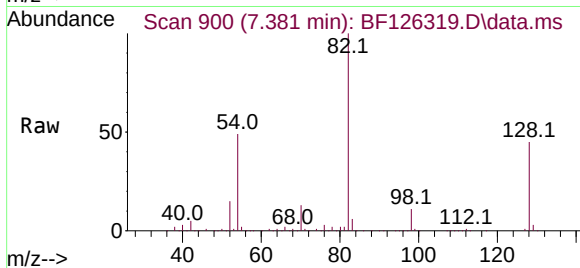
HB-3-(10-15)-12-17-21

Tgt Ion: 82 Resp: 97198
 Ion Ratio Lower Upper
 82 100
 128 44.8 40.6 60.8
 54 48.7 49.6 74.4

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#31

Naphthalene

Concen: 3.541 ng

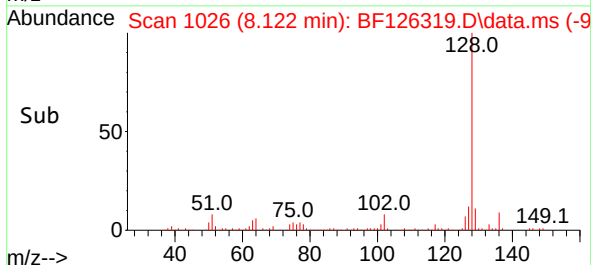
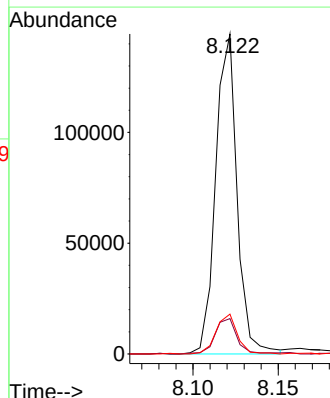
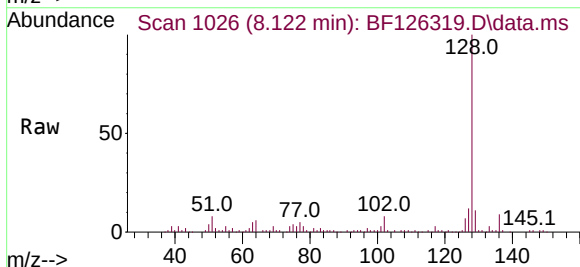
RT: 8.122 min Scan# 1026

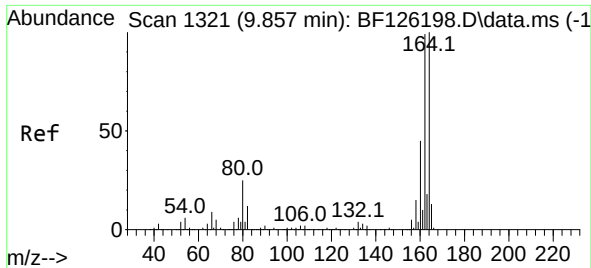
Delta R.T. 0.000 min

Lab File: BF126319.D

Acq: 22 Dec 2021 3:00

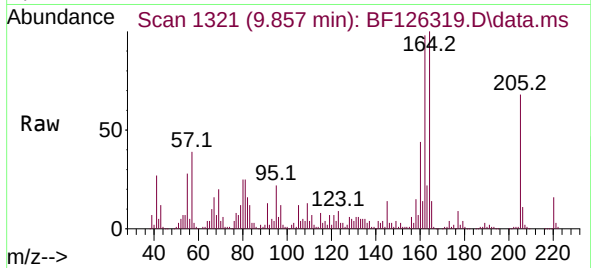
Tgt Ion:128 Resp: 126256
 Ion Ratio Lower Upper
 128 100
 129 11.1 9.4 14.0
 127 12.5 10.9 16.3





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1321
Delta R.T. 0.000 min
Lab File: BF126319.D
Acq: 22 Dec 2021 3:00

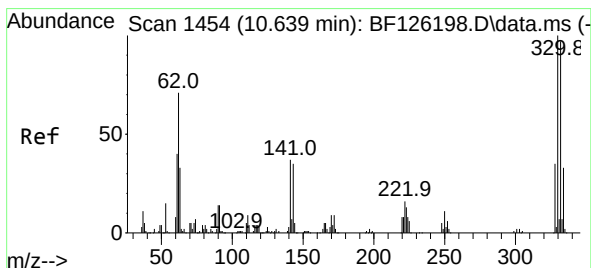
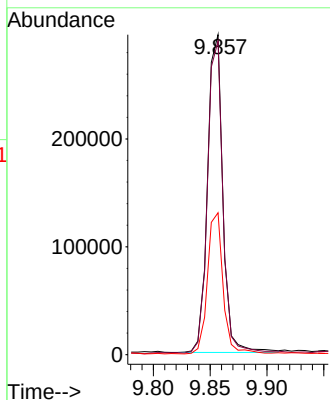
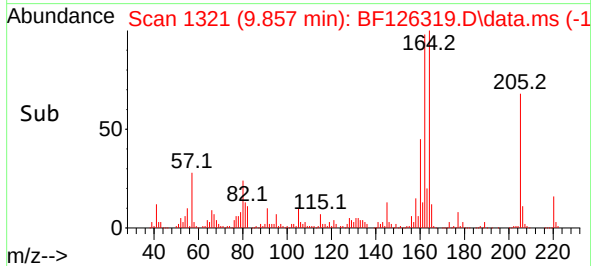
Instrument :
BNA_F
ClientSampleId :
HB-3-(10-15)-12-17-21



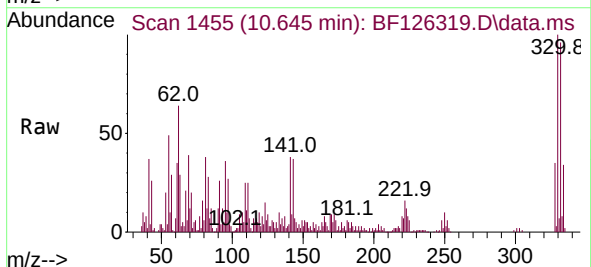
Tgt Ion:164 Resp: 274990
Ion Ratio Lower Upper
164 100
162 97.9 81.3 121.9
160 44.4 38.0 57.0

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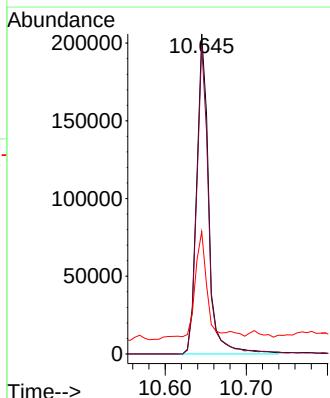
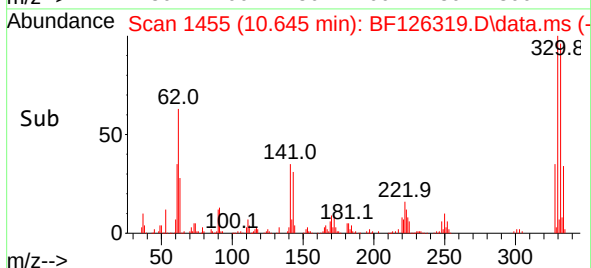
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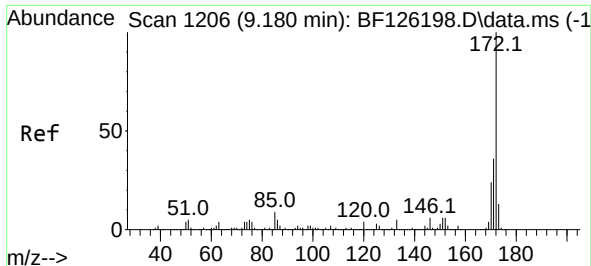


#42
2,4,6-Tribromophenol
Concen: 96.434 ng
RT: 10.645 min Scan# 1455
Delta R.T. 0.006 min
Lab File: BF126319.D
Acq: 22 Dec 2021 3:00



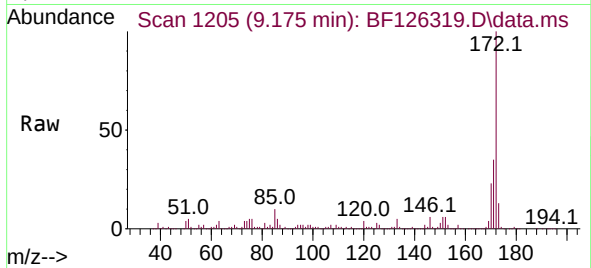
Tgt Ion:330 Resp: 213118
Ion Ratio Lower Upper
330 100
332 94.1 76.2 114.4
141 33.7 44.6 66.8#





#45
2-Fluorobiphenyl
Concen: 76.488 ng
RT: 9.175 min Scan# 1199270
Delta R.T. -0.006 min
Lab File: BF126319.D
Acq: 22 Dec 2021 3:00

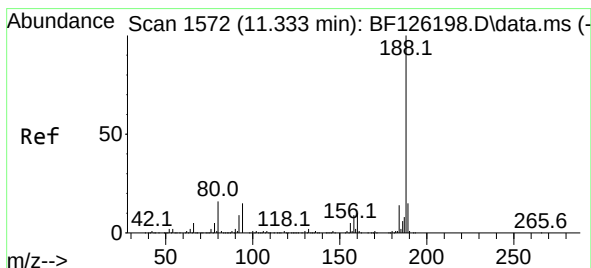
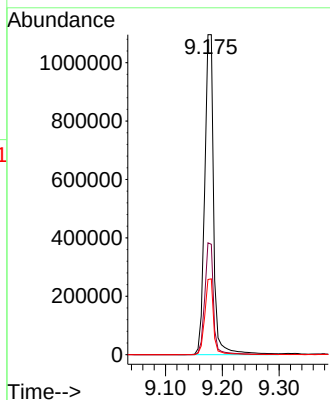
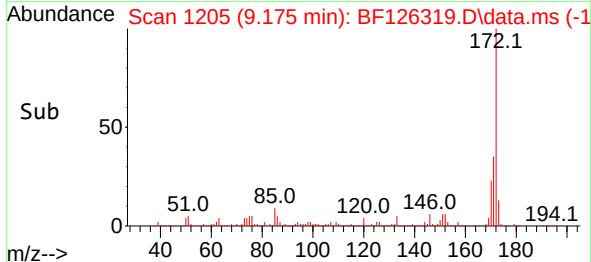
Instrument :
BNA_F
ClientSampleId :
HB-3-(10-15)-12-17-21



Tgt Ion:172 Resp: 1199270
Ion Ratio Lower Upper
172 100
171 35.0 26.5 39.7
170 23.5 18.8 28.2

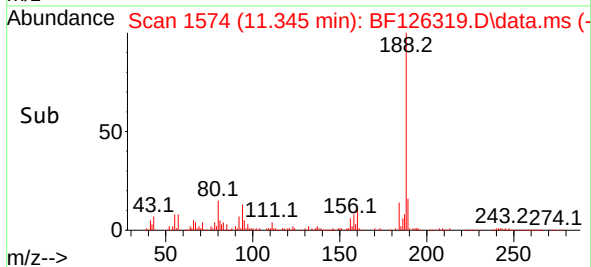
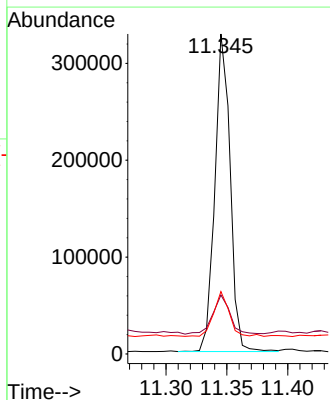
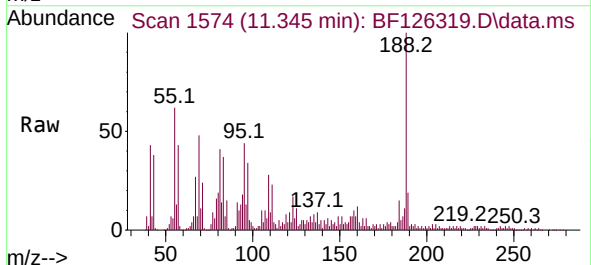
Manual Integrations
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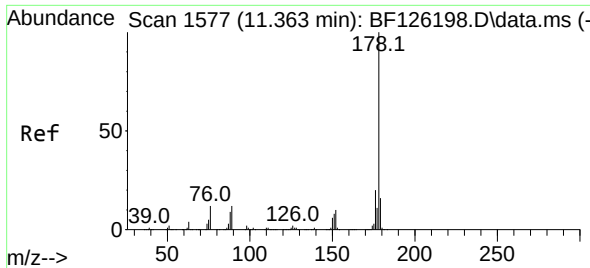
Reviewed By :Jagrut Upadhyay 12/22/2021
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1574
Delta R.T. 0.012 min
Lab File: BF126319.D
Acq: 22 Dec 2021 3:00

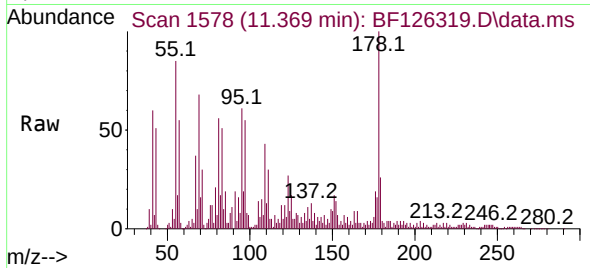
Tgt Ion:188 Resp: 287341
Ion Ratio Lower Upper
188 100
94 18.4 6.7 10.1#
80 19.5 7.5 11.3#





#71
Phenanthrene
Concen: 14.389 ng
RT: 11.369 min Scan# 1578
Delta R.T. 0.006 min
Lab File: BF126319.D
Acq: 22 Dec 2021 3:00

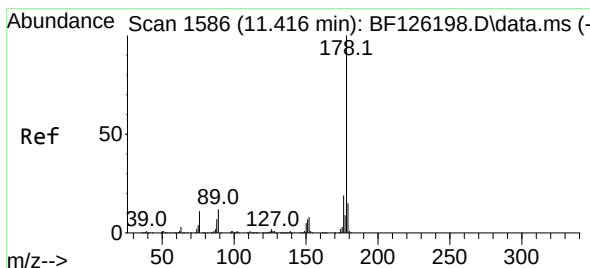
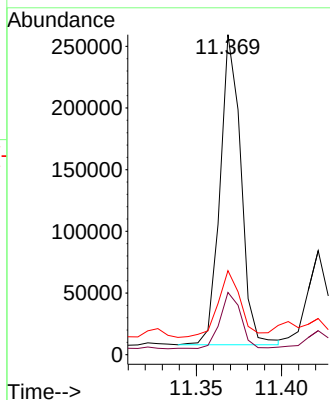
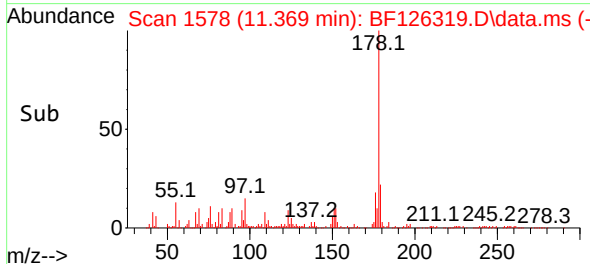
Instrument :
BNA_F
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HB-3-(10-15)-12-17-21



Tgt Ion:178 Resp: 21340
Ion Ratio Lower Upper
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176 19.4 14.7 22.1
179 26.3 11.5 17.3

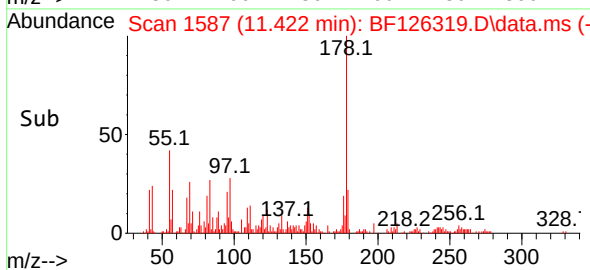
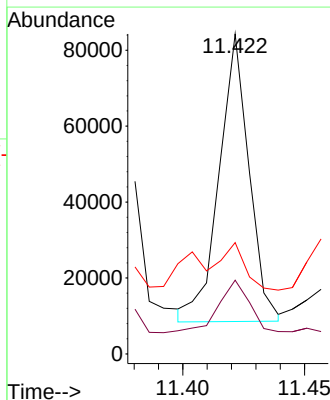
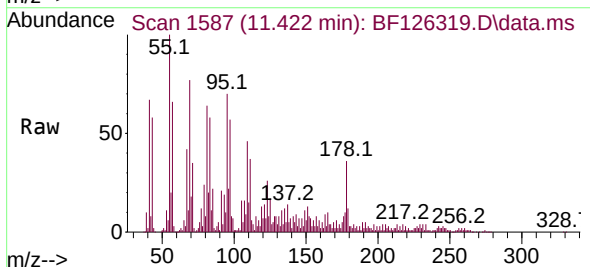
Manual Integrations
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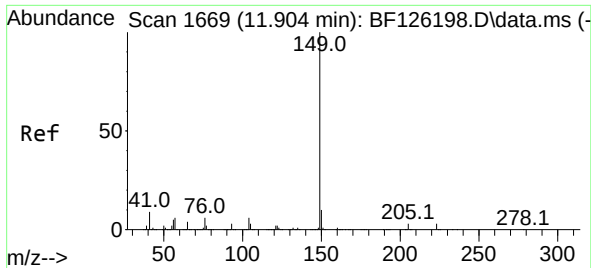
Reviewed By :Jagrut Upadhyay 12/22/2021
Supervised By :mohammad ahmed 12/27/2021



#72
Anthracene
Concen: 4.350 ng
RT: 11.422 min Scan# 1587
Delta R.T. 0.006 min
Lab File: BF126319.D
Acq: 22 Dec 2021 3:00

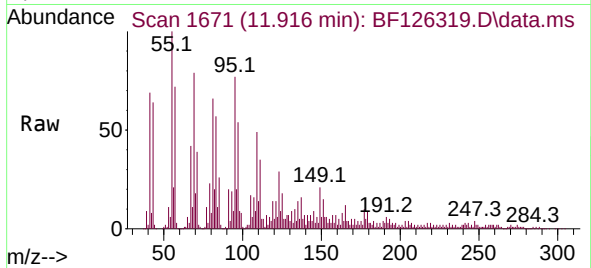
Tgt Ion:178 Resp: 64746
Ion Ratio Lower Upper
178 100
176 23.1 14.3 21.5#
179 34.8 12.2 18.4#





#74
Di-n-butylphthalate
Concen: 2.895 ng
RT: 11.916 min Scan# 1671
Delta R.T. 0.012 min
Lab File: BF126319.D
Acq: 22 Dec 2021 3:00

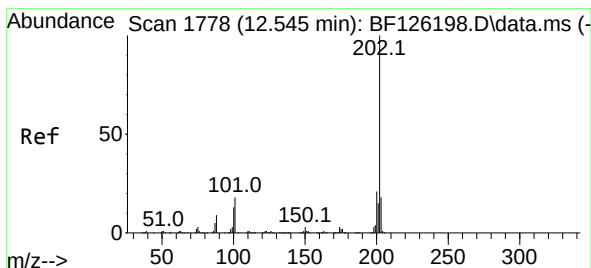
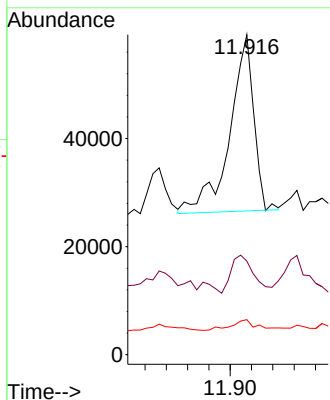
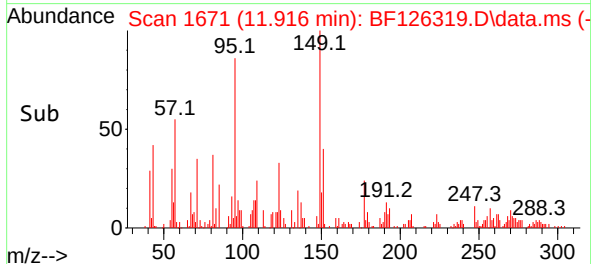
Instrument :
BNA_F
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HB-3-(10-15)-12-17-21



Tgt Ion:149 Resp: 51452
Ion Ratio Lower Upper
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150 29.3 7.4 11.2
104 10.9 4.1 6.1

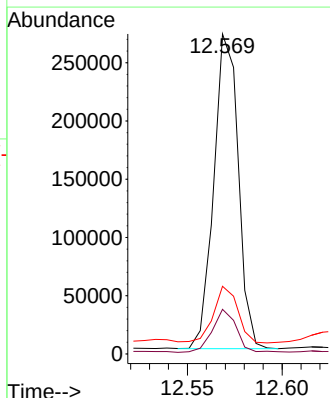
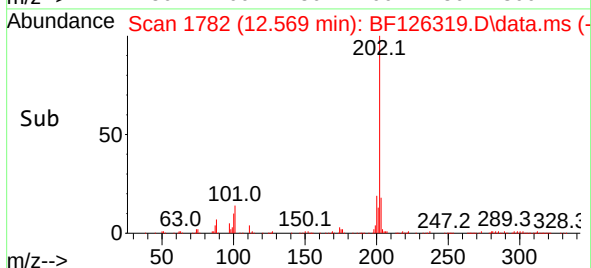
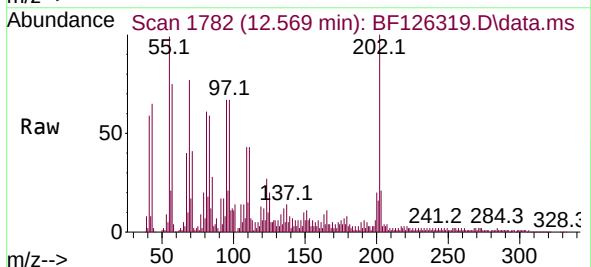
Manual Integrations
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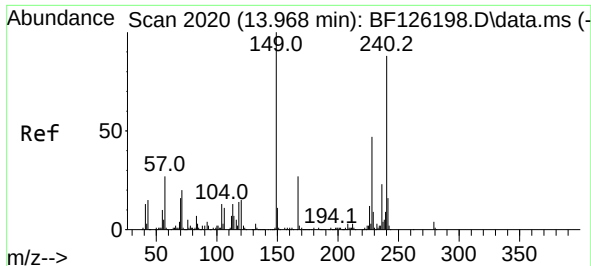
Reviewed By :Jagrut Upadhyay 12/22/2021
Supervised By :mohammad ahmed 12/27/2021



#75
Fluoranthene
Concen: 18.196 ng
RT: 12.569 min Scan# 1782
Delta R.T. 0.024 min
Lab File: BF126319.D
Acq: 22 Dec 2021 3:00

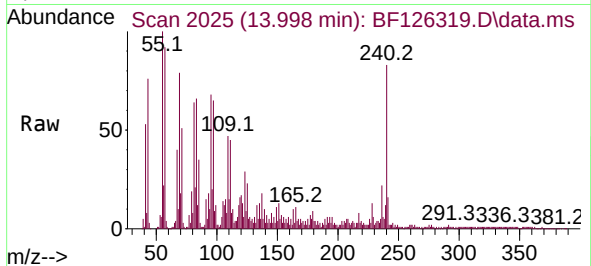
Tgt Ion:202 Resp: 243139
Ion Ratio Lower Upper
202 100
101 13.9 0.0 30.7
203 21.2 0.0 36.3





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 2025
Delta R.T. 0.030 min
Lab File: BF126319.D
Acq: 22 Dec 2021 3:00

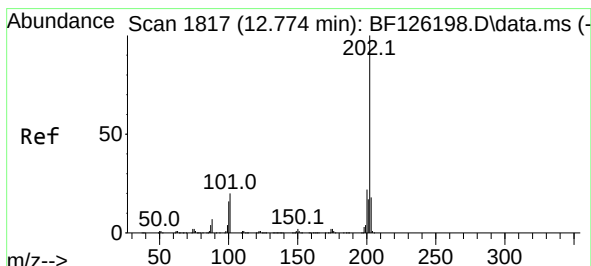
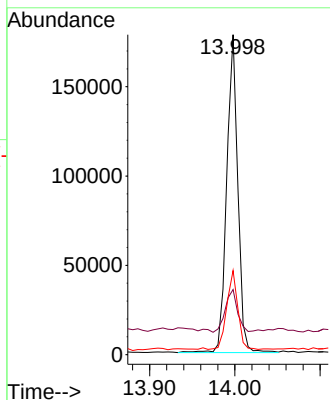
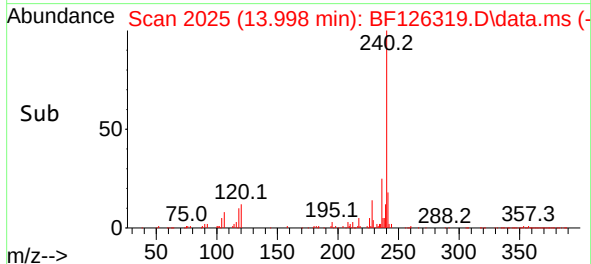
Instrument :
BNA_F
ClientSampleId :
HB-3-(10-15)-12-17-21



Tgt Ion:240 Resp: 161558
Ion Ratio Lower Upper
240 100
120 20.4 10.8 16.2
236 26.3 21.6 32.4

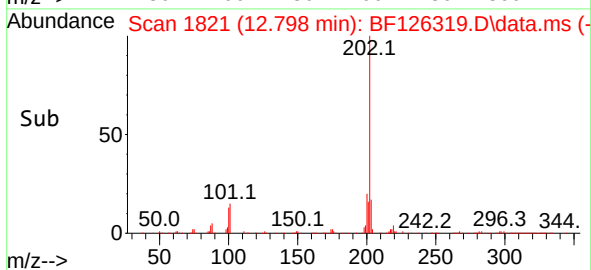
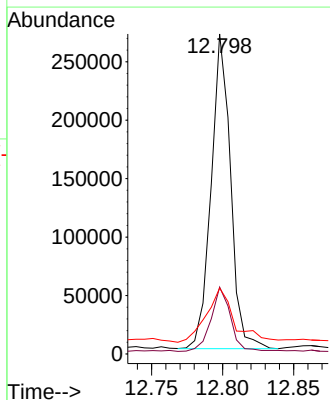
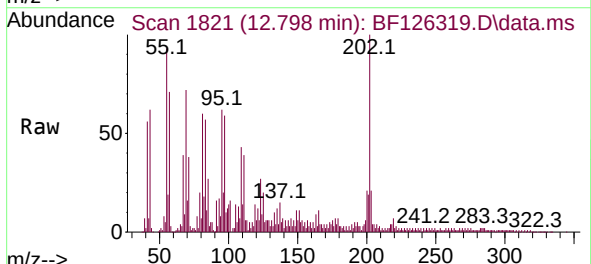
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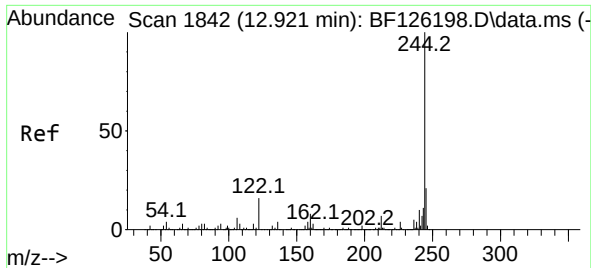
Reviewed By :Jagrut Upadhyay 12/22/2021
Supervised By :mohammad ahmed 12/27/2021



#78
Pyrene
Concen: 17.252 ng
RT: 12.798 min Scan# 1821
Delta R.T. 0.024 min
Lab File: BF126319.D
Acq: 22 Dec 2021 3:00

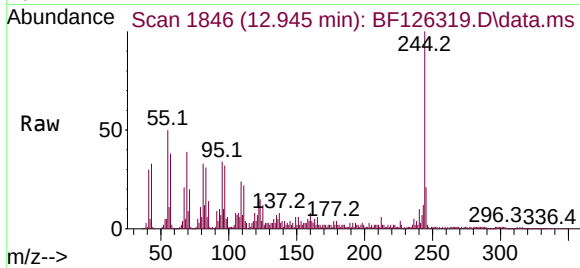
Tgt Ion:202 Resp: 256059
Ion Ratio Lower Upper
202 100
200 20.9 15.3 22.9
203 20.6 13.4 20.0#





#79
 Terphenyl-d14
 Concen: 49.077 ng
 RT: 12.945 min Scan# 1842
 Delta R.T. 0.024 min
 Lab File: BF126319.D
 Acq: 22 Dec 2021 3:00

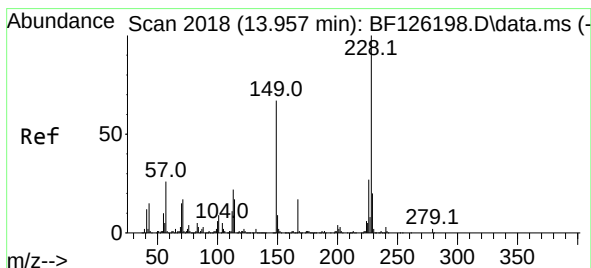
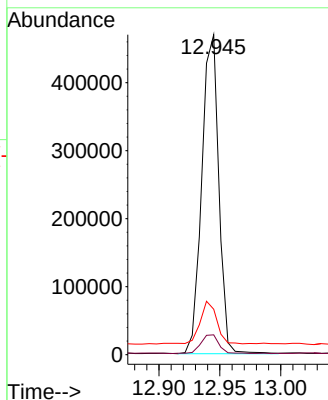
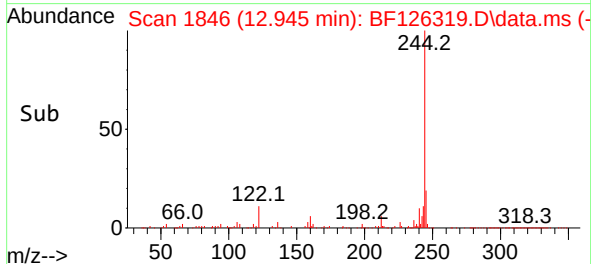
Instrument :
 BNA_F
 ClientSampleId :
 HB-3-(10-15)-12-17-21



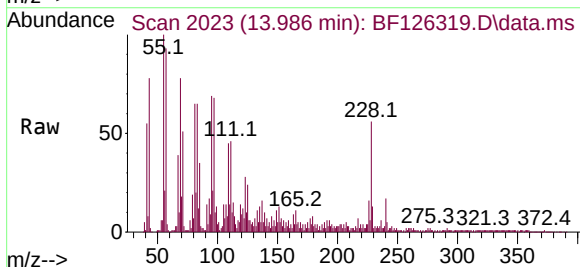
Tgt Ion:244 Resp: 45617
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.9 8.9
 122 14.2 9.0 13.4

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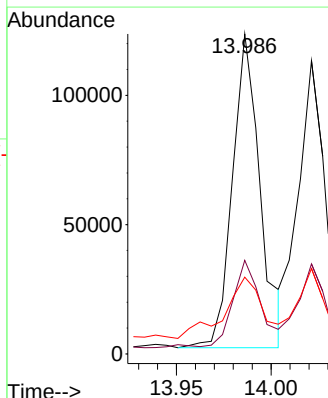
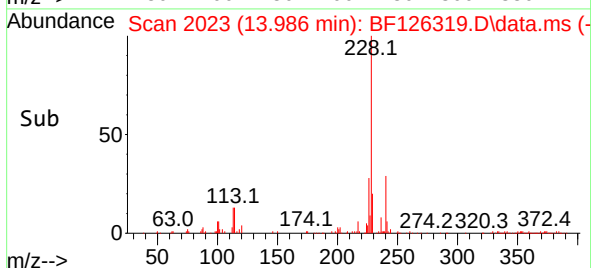
Reviewed By :Jagrut Upadhyay 12/22/2021
 Supervised By :mohammad ahmed 12/27/2021

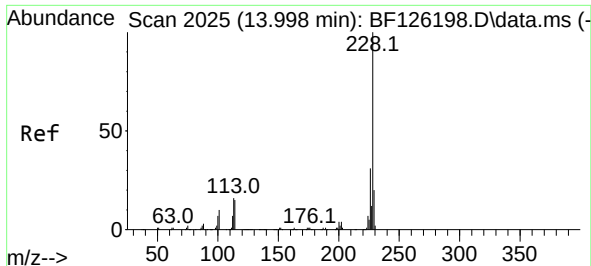


#81
 Benzo(a)anthracene
 Concen: 12.891 ng
 RT: 13.986 min Scan# 2023
 Delta R.T. 0.030 min
 Lab File: BF126319.D
 Acq: 22 Dec 2021 3:00



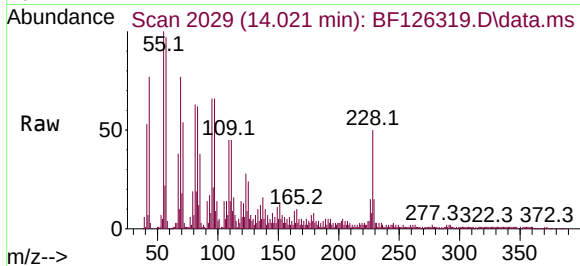
Tgt Ion:228 Resp: 123361
 Ion Ratio Lower Upper
 228 100
 226 29.2 21.6 32.4
 229 24.0 15.6 23.4





#83
Chrysene
Concen: 10.974 ng
RT: 14.021 min Scan# 2025
Delta R.T. 0.024 min
Lab File: BF126319.D
Acq: 22 Dec 2021 3:00

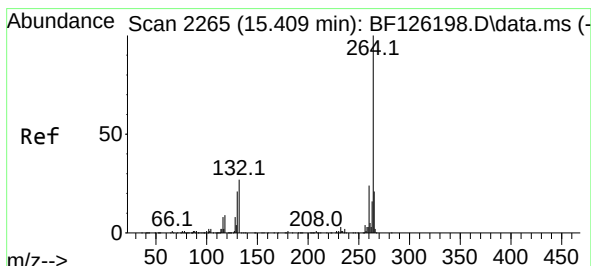
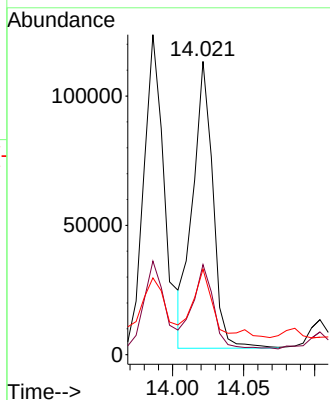
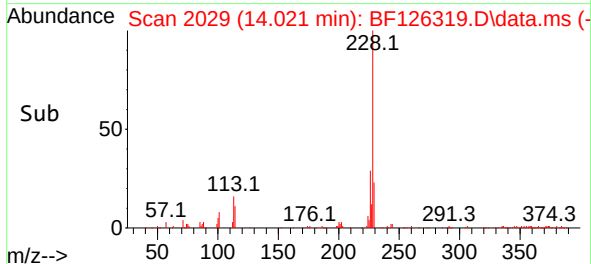
Instrument :
BNA_F
ClientSampleId :
HB-3-(10-15)-12-17-21



Tgt Ion:228 Resp: 109114
Ion Ratio Lower Upper
228 100
226 30.7 22.6 34.0
229 29.1 15.9 23.9

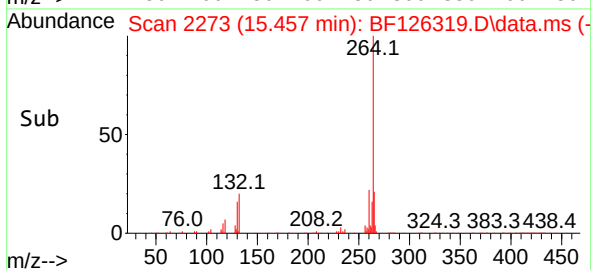
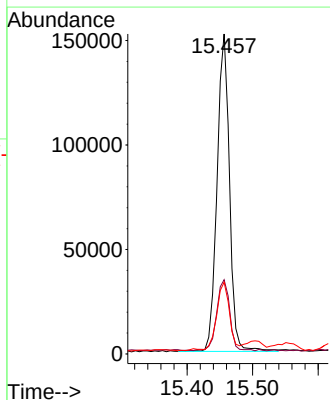
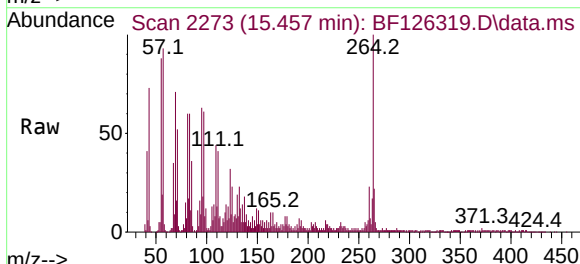
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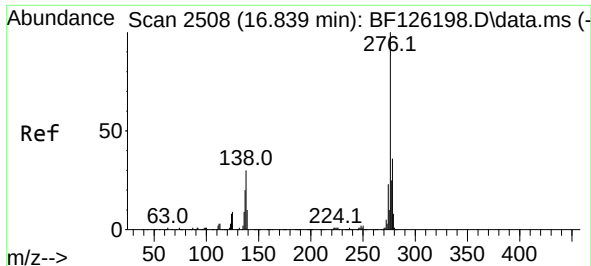
Reviewed By :Jagrut Upadhyay 12/22/2021
Supervised By :mohammad ahmed 12/27/2021



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.457 min Scan# 2273
Delta R.T. 0.047 min
Lab File: BF126319.D
Acq: 22 Dec 2021 3:00

Tgt Ion:264 Resp: 199288
Ion Ratio Lower Upper
264 100
260 23.2 19.6 29.4
265 22.4 17.2 25.8





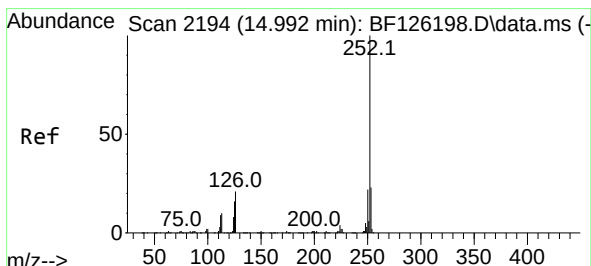
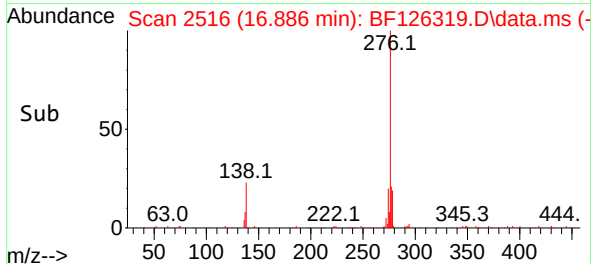
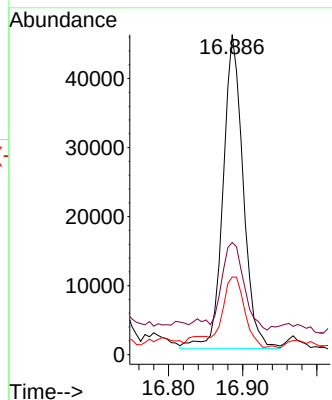
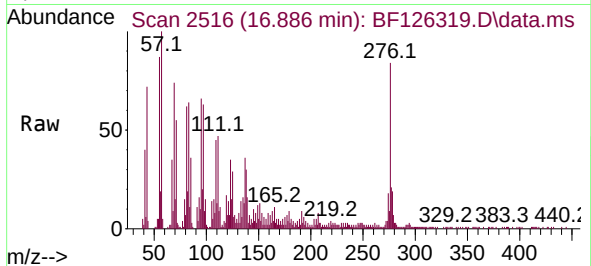
#87
Indeno(1,2,3-cd)pyrene
Concen: 6.456 ng
RT: 16.886 min Scan# 2201
Delta R.T. 0.047 min
Lab File: BF126319.D
Acq: 22 Dec 2021 3:00

Instrument :
BNA_F
ClientSampleId :
HB-3-(10-15)-12-17-21

Tgt Ion:276 Resp: 8582
Ion Ratio Lower Upper
276 100
138 30.2 24.1 36.1
277 23.7 18.8 28.2

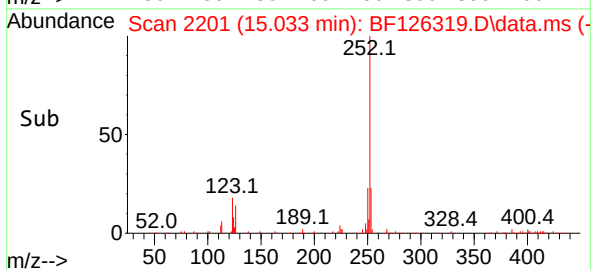
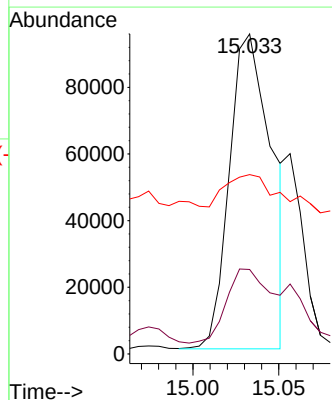
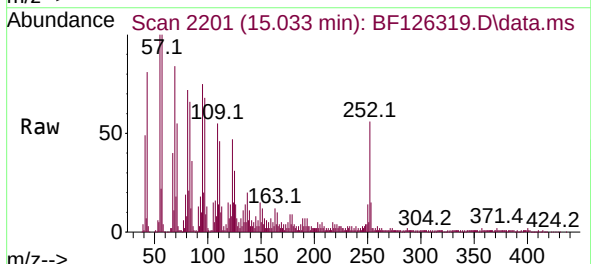
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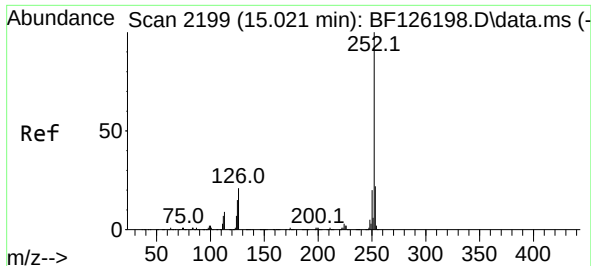
Reviewed By :Jagrut Upadhyay 12/22/2021
Supervised By :mohammad ahmed 12/27/2021



#88
Benzo(b)fluoranthene
Concen: 13.445 ng m
RT: 15.033 min Scan# 2201
Delta R.T. 0.041 min
Lab File: BF126319.D
Acq: 22 Dec 2021 3:00

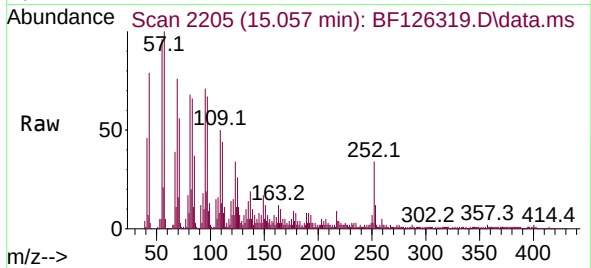
Tgt Ion:252 Resp: 160991
Ion Ratio Lower Upper
252 100
253 26.4 16.8 25.2#
125 56.0 9.8 14.8#





#89
Benzo(k)fluoranthene
Concen: 3.902 ng m
RT: 15.057 min Scan# 2199
Delta R.T. 0.035 min
Lab File: BF126319.D
Acq: 22 Dec 2021 3:00

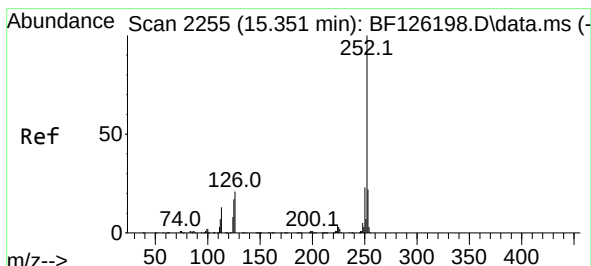
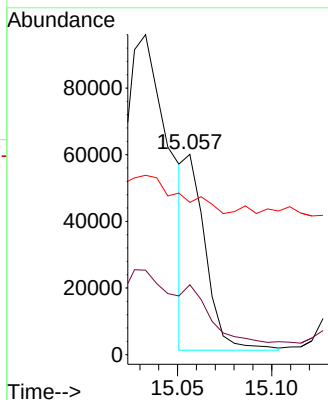
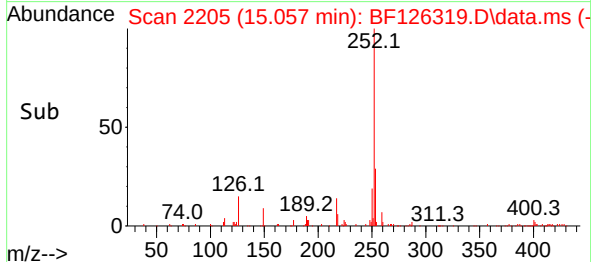
Instrument :
BNA_F
ClientSampleId :
HB-3-(10-15)-12-17-21



Tgt Ion:252 Resp: 44690
Ion Ratio Lower Upper
252 100
253 34.9 17.8 26.8
125 76.0 7.2 10.8

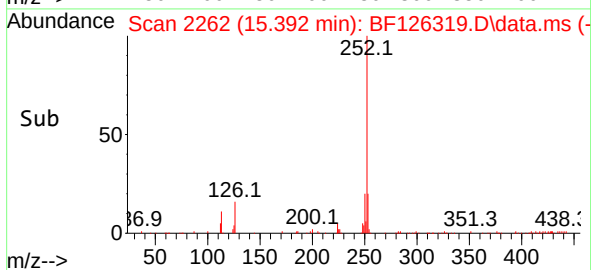
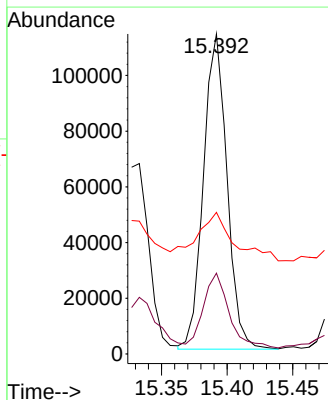
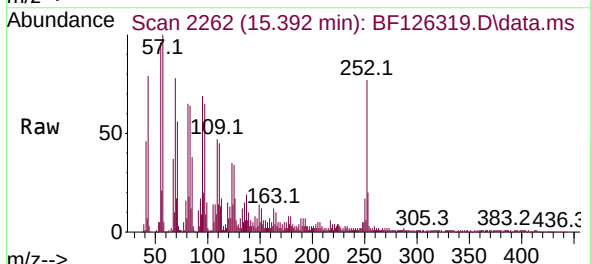
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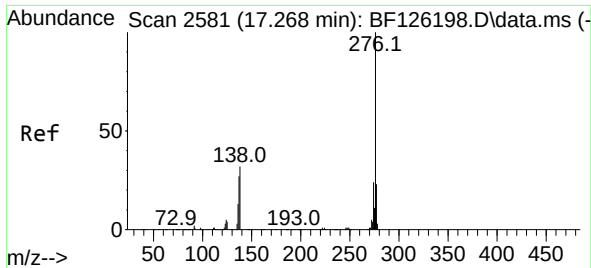
Reviewed By :Jagrut Upadhyay 12/22/2021
Supervised By :mohammad ahmed 12/27/2021



#90
Benzo(a)pyrene
Concen: 14.221 ng
RT: 15.392 min Scan# 2262
Delta R.T. 0.041 min
Lab File: BF126319.D
Acq: 22 Dec 2021 3:00

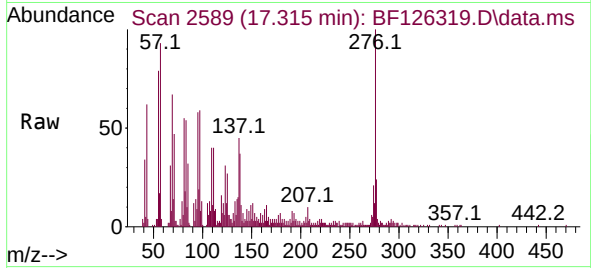
Tgt Ion:252 Resp: 141530
Ion Ratio Lower Upper
252 100
253 25.3 18.4 27.6
125 44.3 9.9 14.9





#92
 Benzo(g,h,i)perylene
 Concen: 7.204 ng
 RT: 17.315 min Scan# 21
 Delta R.T. 0.047 min
 Lab File: BF126319.D
 Acq: 22 Dec 2021 3:00

Instrument :
 BNA_F
 ClientSampleId :
 HB-3-(10-15)-12-17-21



Tgt Ion:276	Resp:	80538
Ion Ratio	Lower	Upper
276	100	
277	23.6	22.0 33.0
138	36.8	22.2 33.4

Manual Integrations
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Reviewed By :Jagrut Upadhyay 12/22/2021
 Supervised By :mohammad ahmed 12/27/2021

