

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110421\
 Data File : BF126041.D
 Acq On : 4 Nov 2021 12:45
 Operator : JU/CG
 Sample : M4407-02DL 10X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FDR-BH-7-20211028-7.5-8DL

Quant Time: Nov 04 14:22:28 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 03 17:21:25 2021
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 11/08/2021
 Supervised By :mohammad ahmed 11/08/2021

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	157013	20.000	ng	0.00
21) Naphthalene-d8	8.133	136	554076	20.000	ng	# 0.00
39) Acenaphthene-d10	9.886	164	295816	20.000	ng	0.00
64) Phenanthrene-d10	11.374	188	422878	20.000	ng	# 0.00
76) Chrysene-d12	14.009	240	329522	20.000	ng	# 0.00
86) Perylene-d12	15.480	264	378619	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	77766	8.505	ng	-0.01
7) Phenol-d6	6.463	99	103481	8.029	ng	-0.02
23) Nitrobenzene-d5	7.404	82	75560	6.431	ng	-0.02
42) 2,4,6-Tribromophenol	10.674	330	26022	7.676	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	137305	6.272	ng	-0.01
79) Terphenyl-d14	12.957	244	91639	4.484	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.151	128	57560	2.006	ng	# 95
38) 1-Methylnaphthalene	8.945	142	41629	2.168	ng	98
49) Acenaphthylene	9.745	152	109789	4.034	ng	# 72
52) Acenaphthene	9.916	154	74382	4.333	ng	94
71) Phenanthrene	11.398	178	372339m	16.236	ng	
72) Anthracene	11.451	178	600598	26.232	ng	98
75) Fluoranthene	12.592	202	472325	18.495	ng	94
78) Pyrene	12.815	202	725027m	27.436	ng	
81) Benzo(a)anthracene	14.004	228	422509	18.664	ng	# 89
83) Chrysene	14.039	228	385864	18.319	ng	# 89
88) Benzo(b)fluoranthene	15.051	252	224949m	9.134	ng	
89) Benzo(k)fluoranthene	15.074	252	64985m	2.720	ng	
90) Benzo(a)pyrene	15.415	252	225335	11.614	ng	# 92
92) Benzo(g,h,i)perylene	17.368	276	64005	3.626	ng	# 87

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

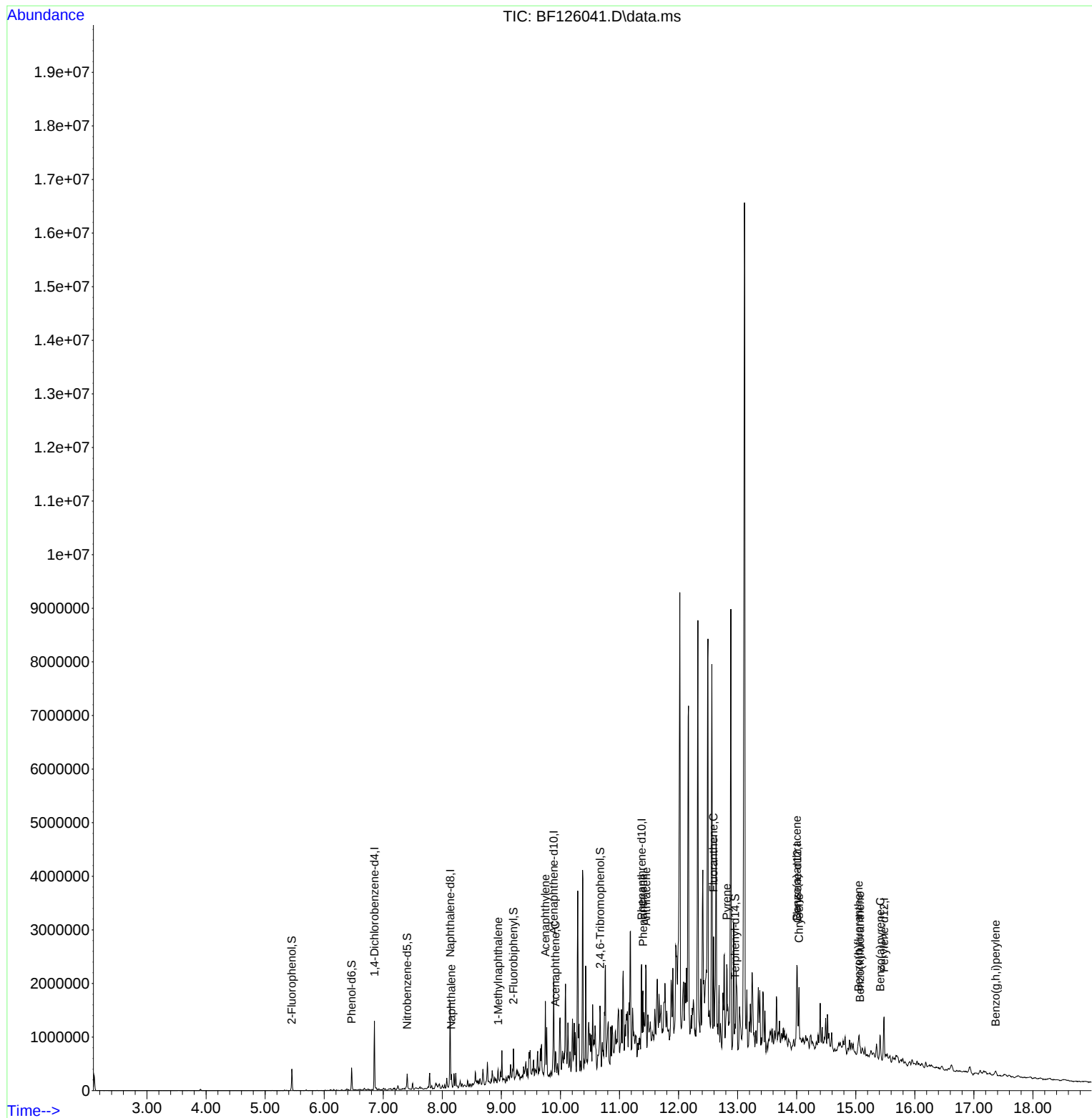
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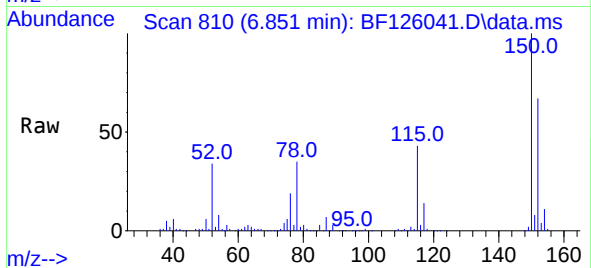
Reviewed By :Jagrut Upadhyay 11/08/2021
Supervised By :mohammad ahmed 11/08/2021





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF126041.D
Acq: 4 Nov 2021 12:45

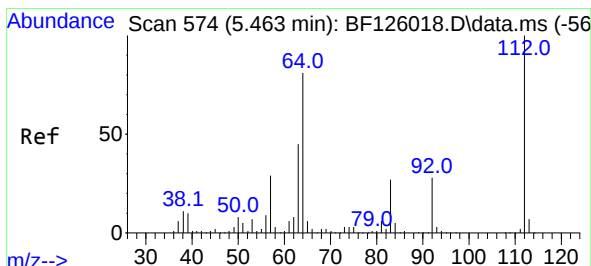
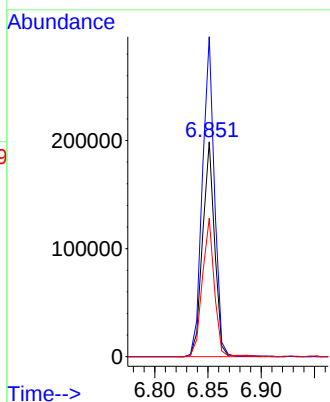
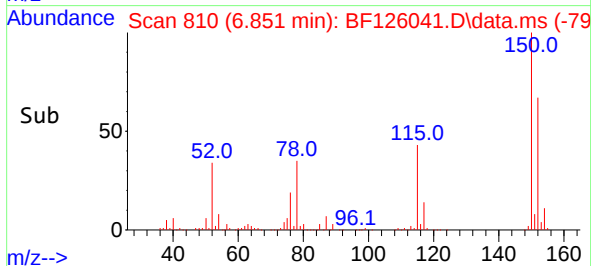
Instrument :
BNA_F
ClientSampleId :
FDR-BH-7-20211028-7.5-8DL



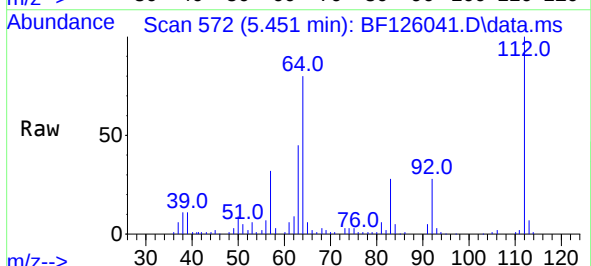
Tgt Ion:152 Resp: 157011
Ion Ratio Lower Upper
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150 149.0 117.6 176.4
115 64.4 47.1 70.7

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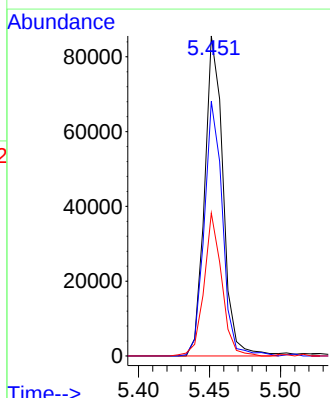
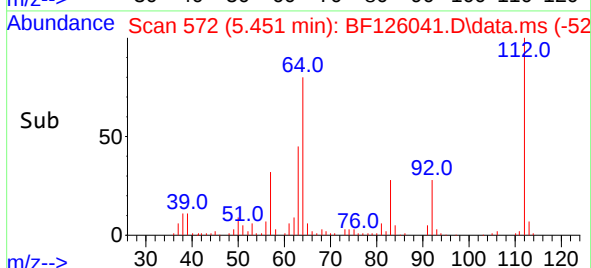
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Supervised By :mohammad ahmed 11/08/2021

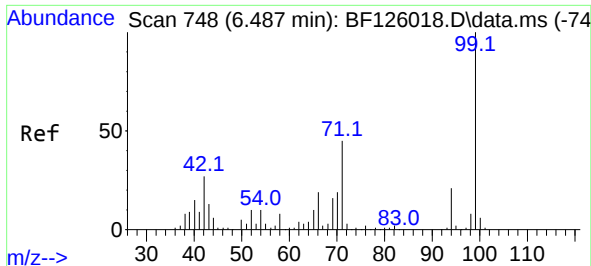


#5
2-Fluorophenol
Concen: 8.505 ng
RT: 5.451 min Scan# 572
Delta R.T. -0.012 min
Lab File: BF126041.D
Acq: 4 Nov 2021 12:45



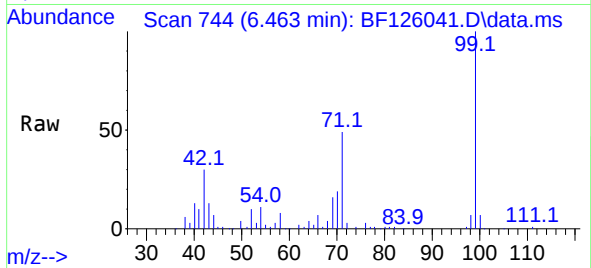
Tgt Ion:112 Resp: 77766
Ion Ratio Lower Upper
112 100
64 79.6 44.2 66.2#
63 44.6 26.2 39.2#





#7
Phenol-d6
Concen: 8.029 ng
RT: 6.463 min Scan# 74
Delta R.T. -0.024 min
Lab File: BF126041.D
Acq: 4 Nov 2021 12:45

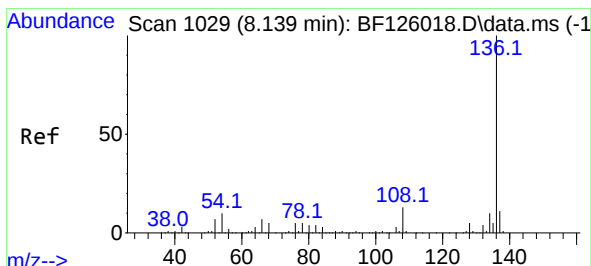
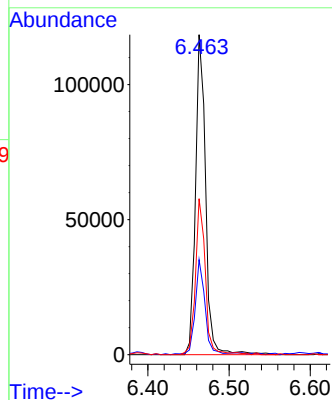
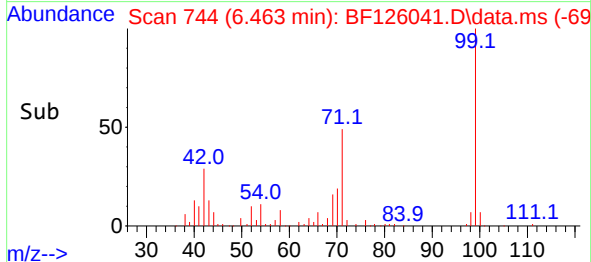
Instrument :
BNA_F
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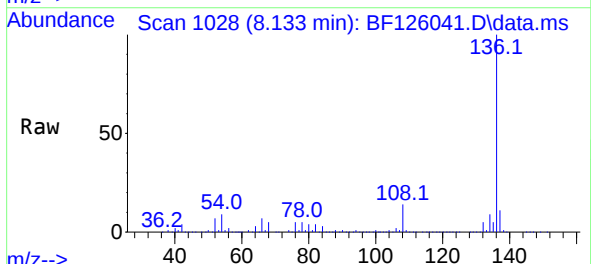
Tgt Ion: 99 Resp: 10348
Ion Ratio Lower Upper
99 100
42 29.7 23.5 35.3
71 48.8 25.6 38.4

Manual Integrations
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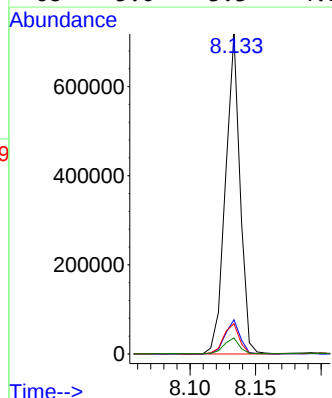
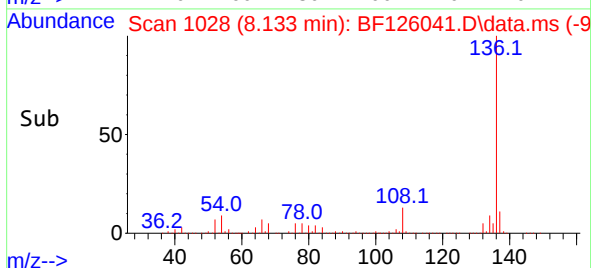
Reviewed By :Jagrut Upadhyay 11/08/2021
Supervised By :mohammad ahmed 11/08/2021



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.133 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF126041.D
Acq: 4 Nov 2021 12:45



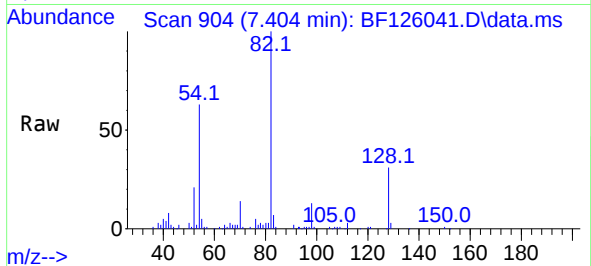
Tgt Ion:136 Resp: 554076
Ion Ratio Lower Upper
136 100
137 10.7 9.8 14.6
54 9.5 6.4 9.6
68 5.0 3.3 4.9





#23
Nitrobenzene-d5
Concen: 6.431 ng
RT: 7.404 min Scan# 907
Delta R.T. -0.018 min
Lab File: BF126041.D
Acq: 4 Nov 2021 12:45

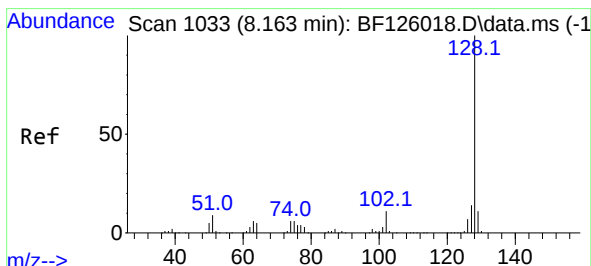
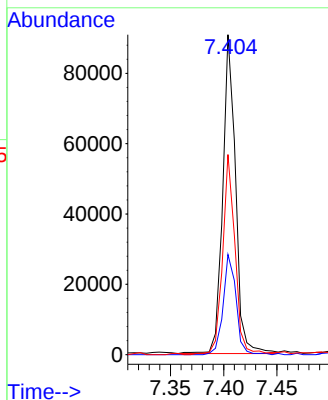
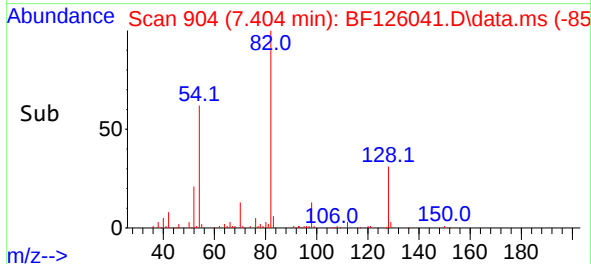
Instrument :
BNA_F
ClientSampleId :
FDR-BH-7-20211028-7.5-8DL



Tgt Ion: 82 Resp: 75560
Ion Ratio Lower Upper
82 100
128 31.3 40.6 60.8
54 62.6 49.6 74.4

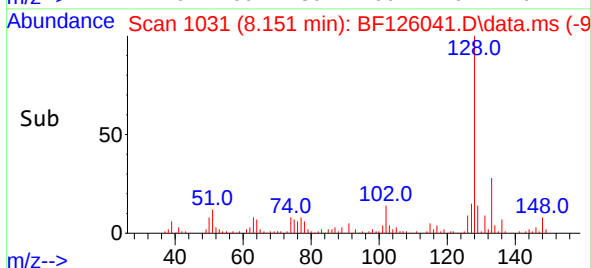
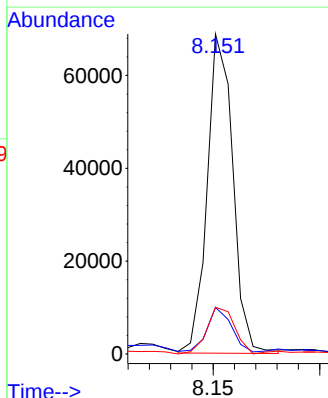
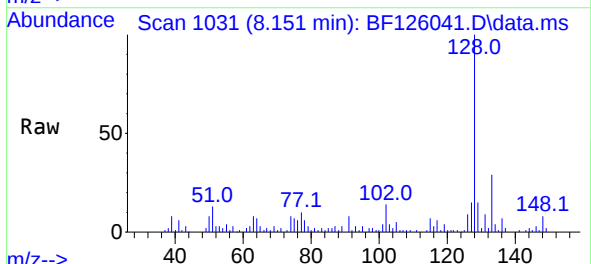
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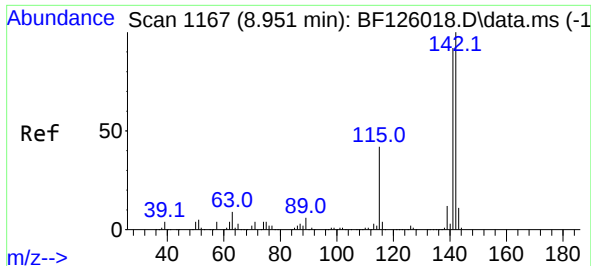
Reviewed By :Jagrut Upadhyay 11/08/2021
Supervised By :mohammad ahmed 11/08/2021



#31
Naphthalene
Concen: 2.006 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.012 min
Lab File: BF126041.D
Acq: 4 Nov 2021 12:45

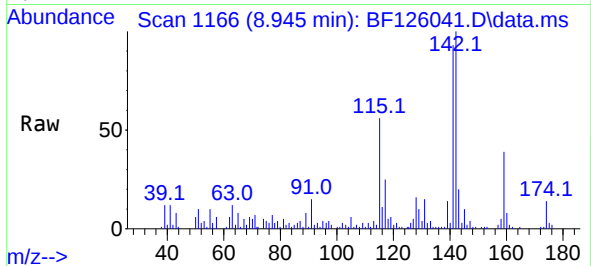
Tgt Ion:128 Resp: 57560
Ion Ratio Lower Upper
128 100
129 14.6 9.4 14.0#
127 14.6 10.9 16.3





#38
1-Methylnaphthalene
Concen: 2.168 ng
RT: 8.945 min Scan# 1166
Delta R.T. -0.006 min
Lab File: BF126041.D
Acq: 4 Nov 2021 12:45

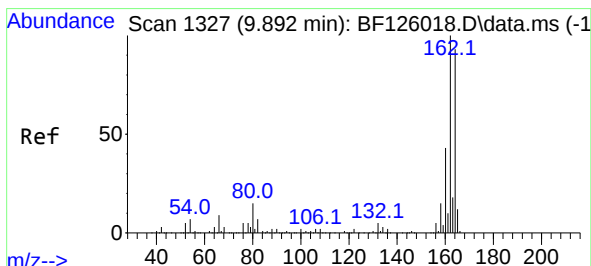
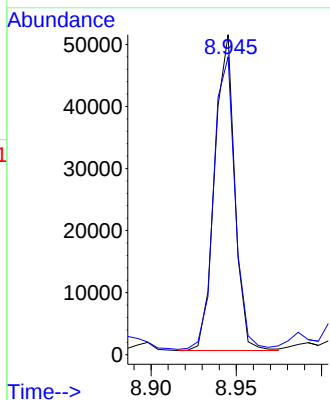
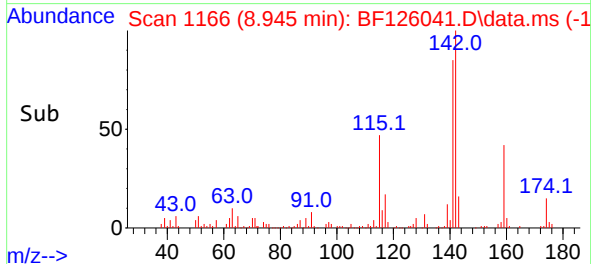
Instrument :
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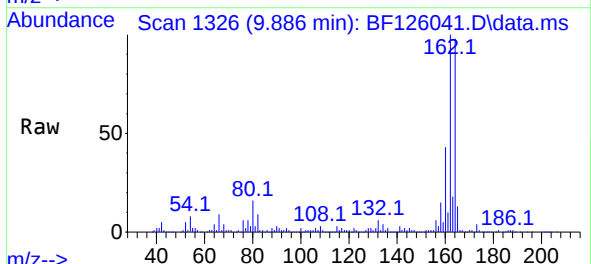
Tgt Ion:142 Resp: 41629
Ion Ratio Lower Upper
142 100
141 93.0 76.0 114.0

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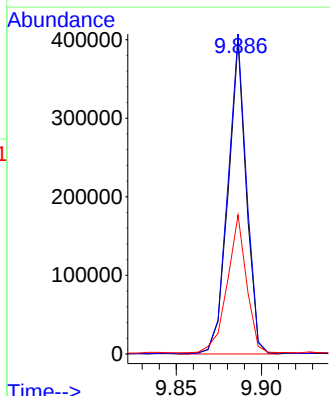
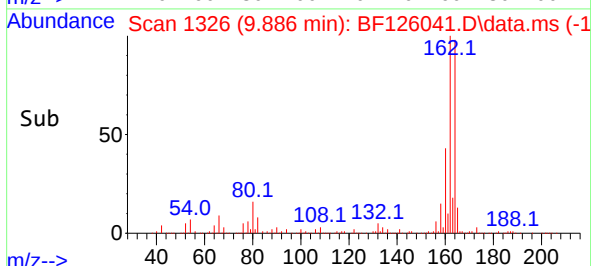
Reviewed By :Jagrut Upadhyay 11/08/2021
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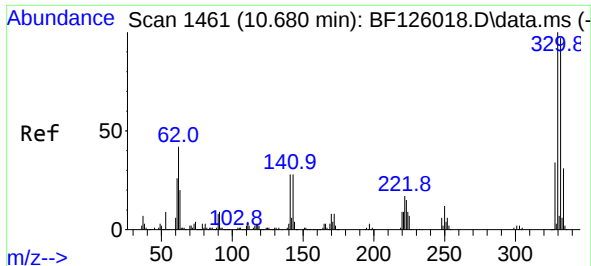


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF126041.D
Acq: 4 Nov 2021 12:45



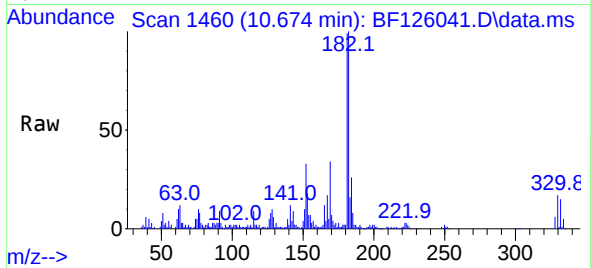
Tgt Ion:164 Resp: 295816
Ion Ratio Lower Upper
164 100
162 101.8 81.3 121.9
160 44.2 38.0 57.0





#42
2,4,6-Tribromophenol
Concen: 7.676 ng
RT: 10.674 min Scan# 1461
Delta R.T. -0.006 min
Lab File: BF126041.D
Acq: 4 Nov 2021 12:45

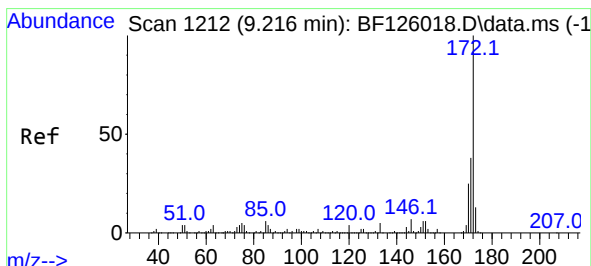
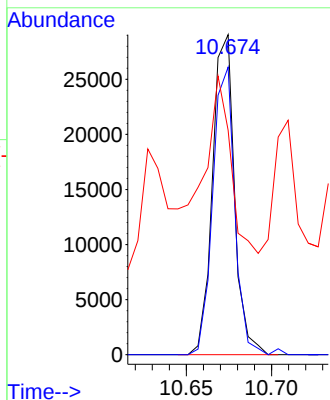
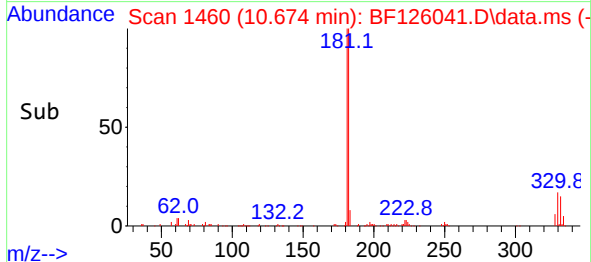
Instrument : BNA_F
ClientSampleId : FDR-BH-7-20211028-7.5-8DL



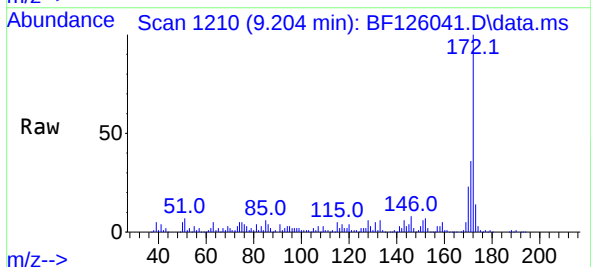
Tgt Ion: 330 Resp: 2602
Ion Ratio Lower Upper
330 100
332 90.3 76.2 114.4
141 65.7 44.6 66.8

Manual Integrations
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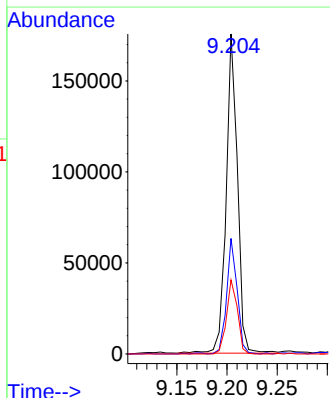
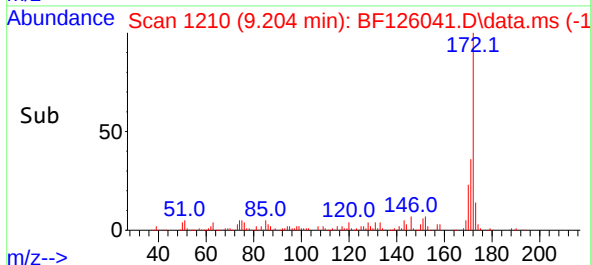
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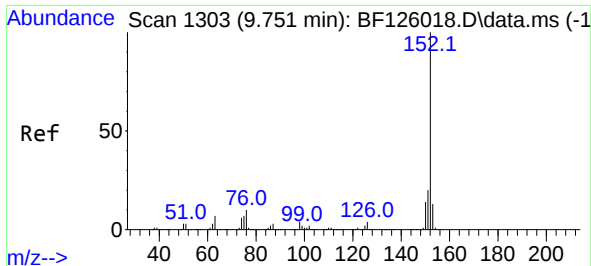


#45
2-Fluorobiphenyl
Concen: 6.272 ng
RT: 9.204 min Scan# 1210
Delta R.T. -0.012 min
Lab File: BF126041.D
Acq: 4 Nov 2021 12:45



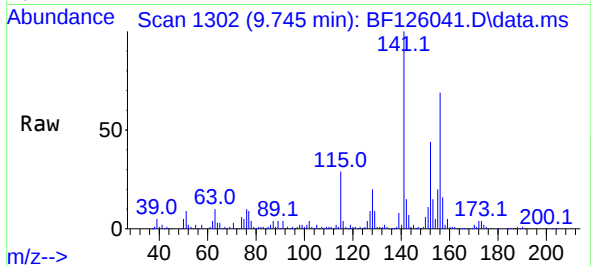
Tgt Ion: 172 Resp: 137305
Ion Ratio Lower Upper
172 100
171 36.1 26.5 39.7
170 23.2 18.8 28.2





#49
Acenaphthylene
Concen: 4.034 ng
RT: 9.745 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126041.D
Acq: 4 Nov 2021 12:45

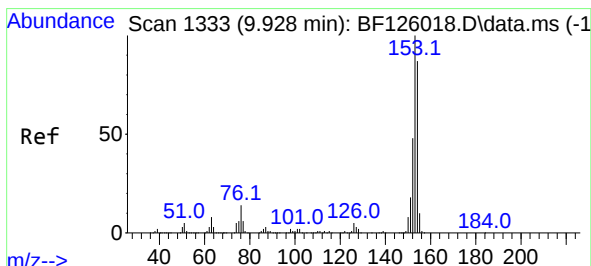
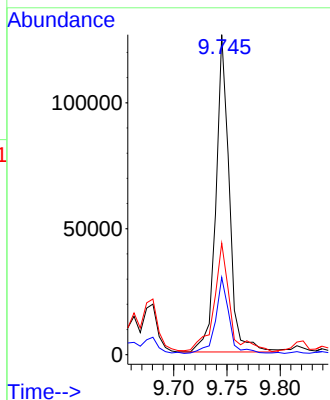
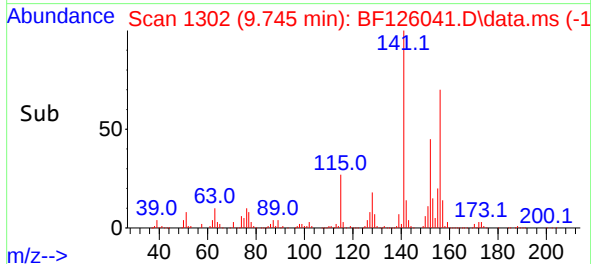
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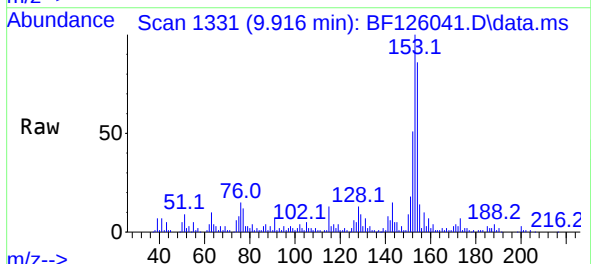
Tgt Ion:152 Resp: 109789
Ion Ratio Lower Upper
152 100
151 24.2 15.7 23.5
153 34.9 9.8 14.8

Manual Integrations
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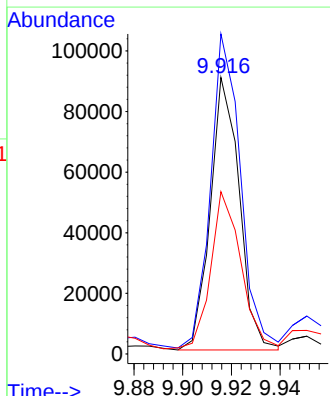
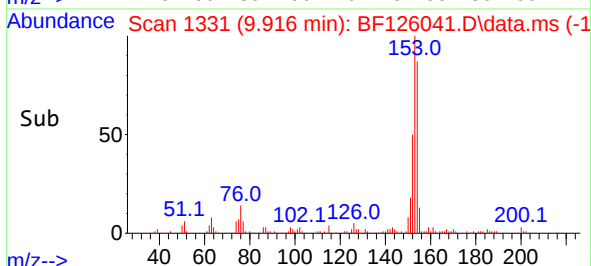
Reviewed By :Jagrut Upadhyay 11/08/2021
Supervised By :mohammad ahmed 11/08/2021

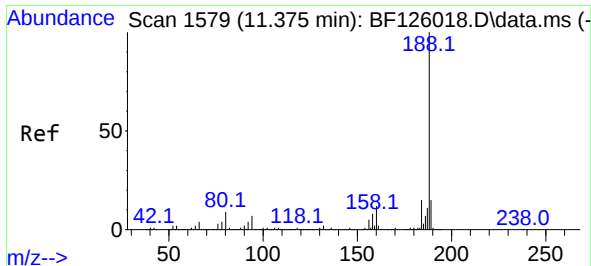


#52
Acenaphthene
Concen: 4.333 ng
RT: 9.916 min Scan# 1331
Delta R.T. -0.012 min
Lab File: BF126041.D
Acq: 4 Nov 2021 12:45



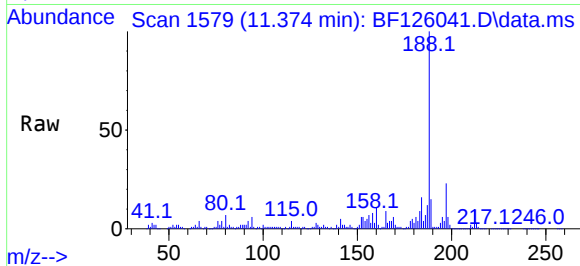
Tgt Ion:154 Resp: 74382
Ion Ratio Lower Upper
154 100
153 115.7 89.4 134.2
152 58.7 40.5 60.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 11
Delta R.T. -0.001 min
Lab File: BF126041.D
Acq: 4 Nov 2021 12:45

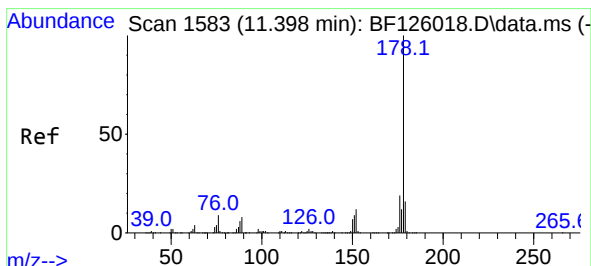
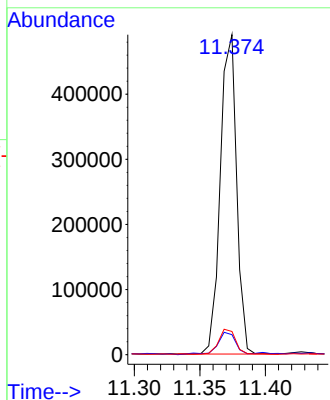
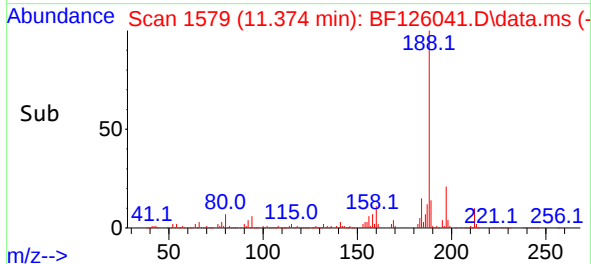
Instrument :
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FDR-BH-7-20211028-7.5-8DL



Tgt Ion:188 Resp: 422878
Ion Ratio Lower Upper
188 100
94 6.3 6.7 10.1
80 7.2 7.5 11.3

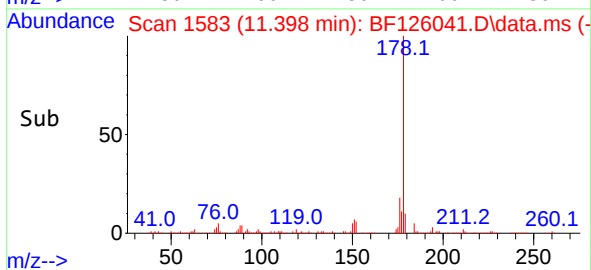
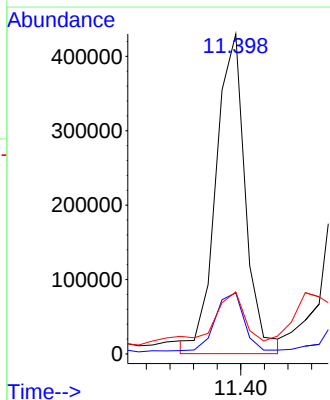
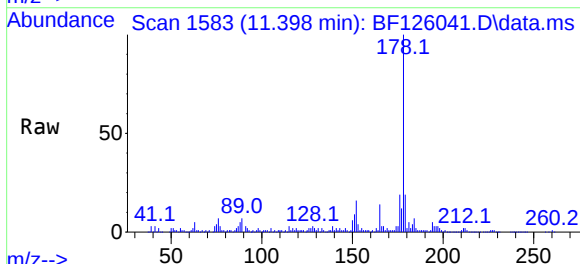
Manual Integrations
APPROVED

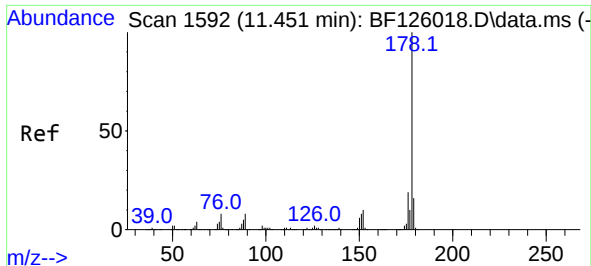
Reviewed By :Jagrut Upadhyay 11/08/2021
Supervised By :mohammad ahmed 11/08/2021



#71
Phenanthrene
Concen: 16.236 ng m
RT: 11.398 min Scan# 1583
Delta R.T. -0.000 min
Lab File: BF126041.D
Acq: 4 Nov 2021 12:45

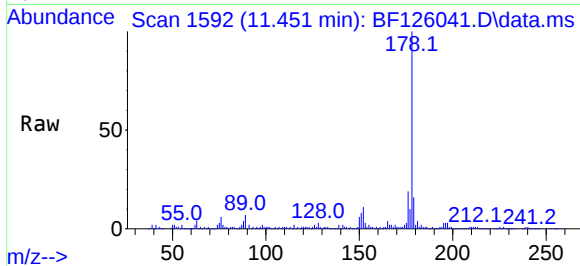
Tgt Ion:178 Resp: 372339
Ion Ratio Lower Upper
178 100
176 19.1 14.7 22.1
179 19.4 11.5 17.3





#72
 Anthracene
 Concen: 26.232 ng
 RT: 11.451 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF126041.D
 Acq: 4 Nov 2021 12:45

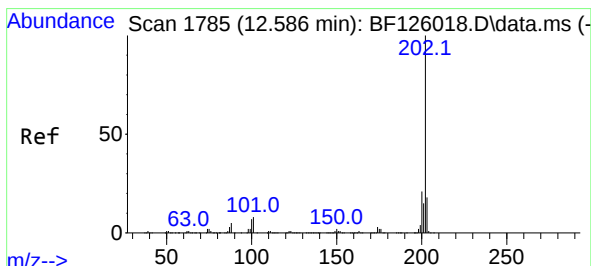
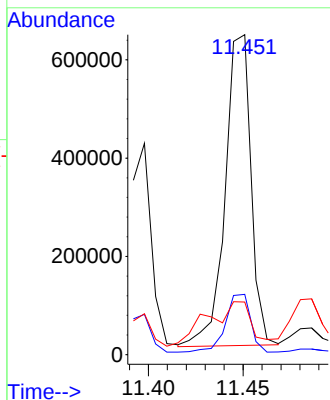
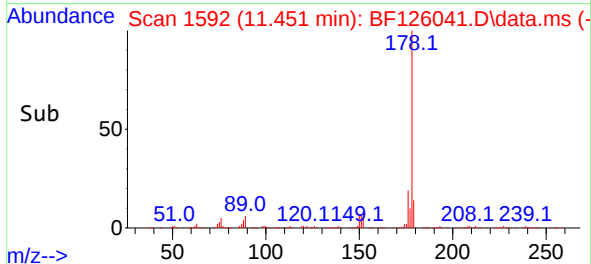
Instrument :
 BNA_F
 ClientSampleId :
 FDR-BH-7-20211028-7.5-8DL



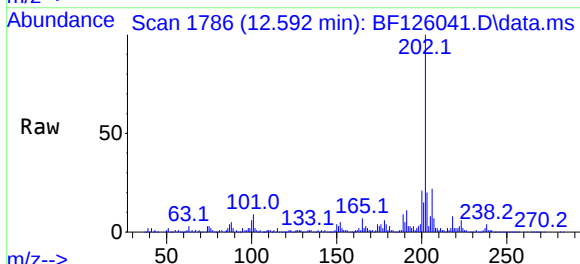
Tgt Ion:178 Resp: 600598
 Ion Ratio Lower Upper
 178 100
 176 18.8 14.3 21.5
 179 16.4 12.2 18.4

Manual Integrations
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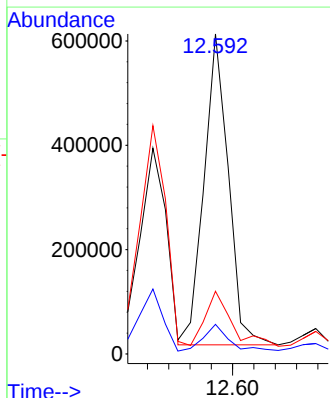
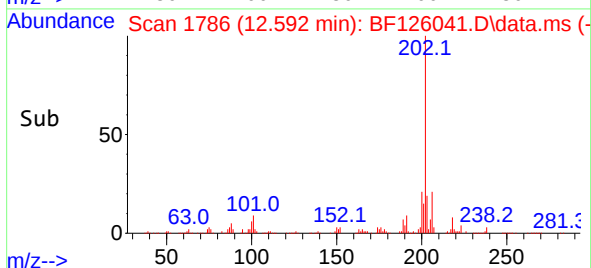
Reviewed By :Jagrut Upadhyay 11/08/2021
 Supervised By :mohammad ahmed 11/08/2021

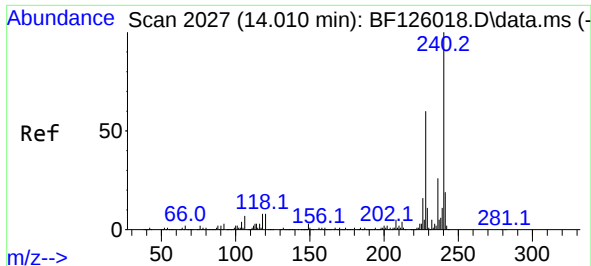


#75
 Fluoranthene
 Concen: 18.495 ng
 RT: 12.592 min Scan# 1786
 Delta R.T. 0.006 min
 Lab File: BF126041.D
 Acq: 4 Nov 2021 12:45



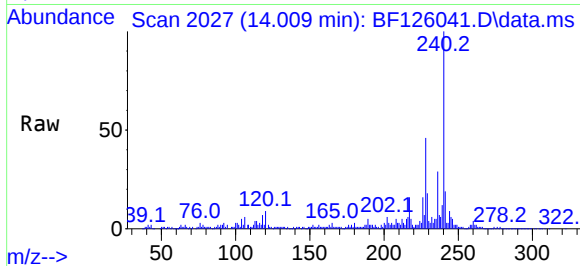
Tgt Ion:202 Resp: 472325
 Ion Ratio Lower Upper
 202 100
 101 9.3 0.0 30.7
 203 19.6 0.0 36.3





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.009 min Scan# 2027
Delta R.T. -0.001 min
Lab File: BF126041.D
Acq: 4 Nov 2021 12:45

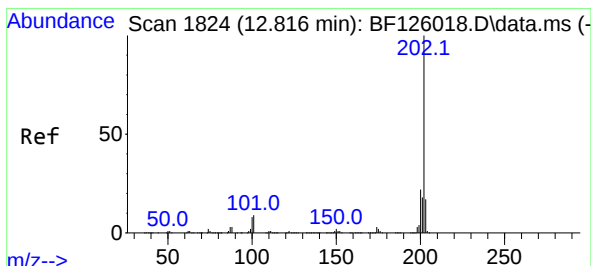
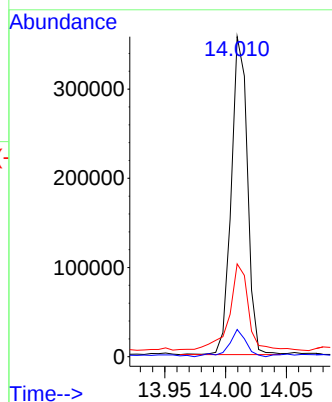
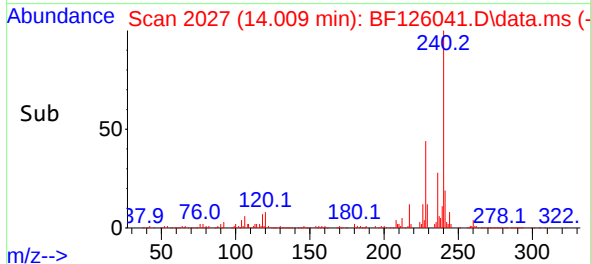
Instrument :
BNA_F
ClientSampleId :
FDR-BH-7-20211028-7.5-8DL



Tgt Ion:240 Resp: 32952
Ion Ratio Lower Upper
240 100
120 8.5 10.8 16.2
236 29.0 21.6 32.4

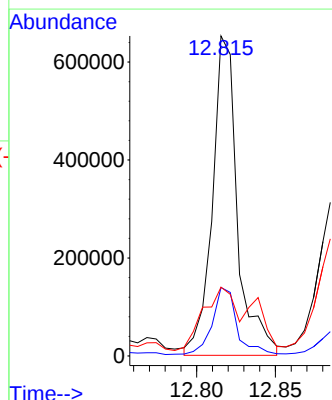
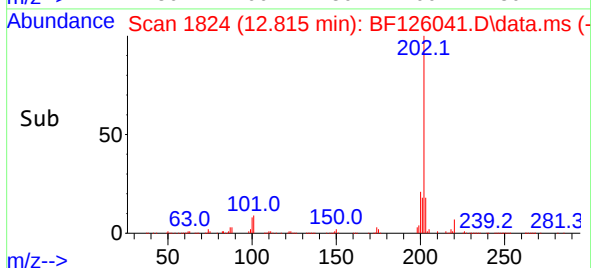
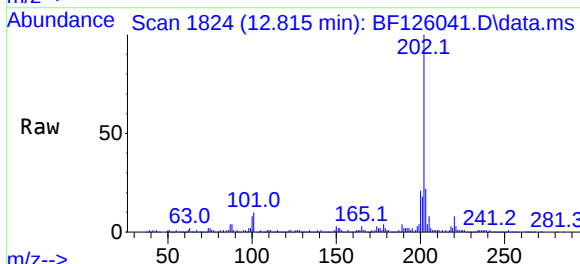
Manual Integrations
APPROVED

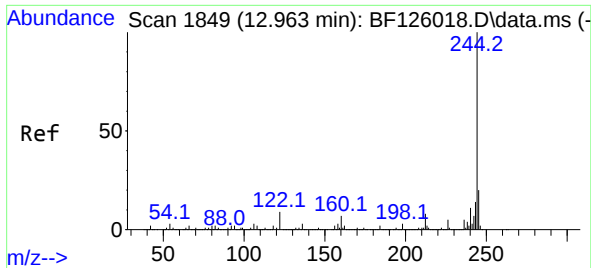
Reviewed By :Jagrut Upadhyay 11/08/2021
Supervised By :mohammad ahmed 11/08/2021



#78
Pyrene
Concen: 27.436 ng m
RT: 12.815 min Scan# 1824
Delta R.T. -0.001 min
Lab File: BF126041.D
Acq: 4 Nov 2021 12:45

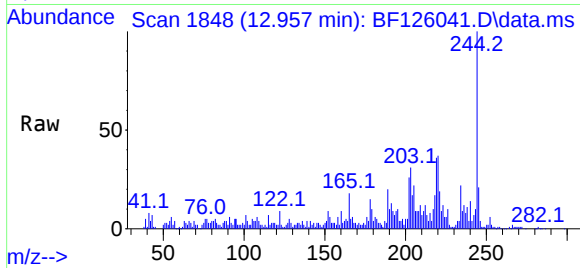
Tgt Ion:202 Resp: 725027
Ion Ratio Lower Upper
202 100
200 21.4 15.3 22.9
203 21.5 13.4 20.0#





#79
Terphenyl-d14
Concen: 4.484 ng
RT: 12.957 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126041.D
Acq: 4 Nov 2021 12:45

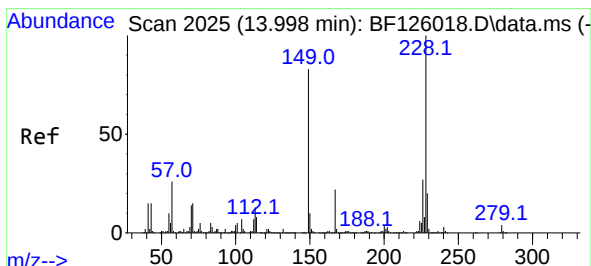
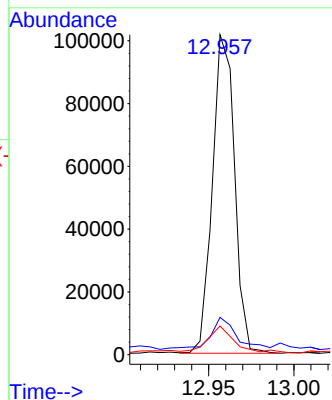
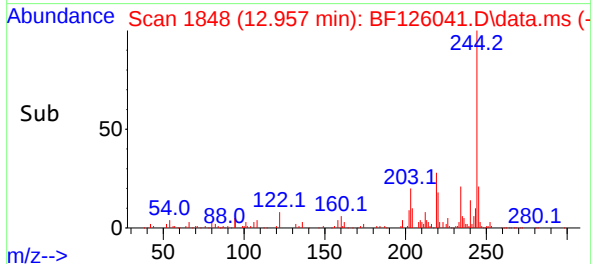
Instrument : BNA_F
ClientSampleId :
FDR-BH-7-20211028-7.5-8DL



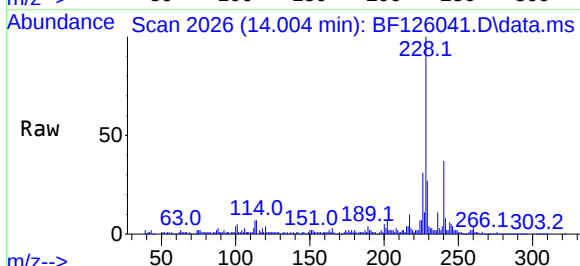
Tgt Ion:244 Resp: 91639
Ion Ratio Lower Upper
244 100
212 11.7 5.9 8.9
122 9.0 9.0 13.4

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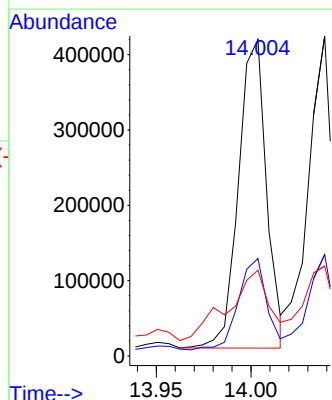
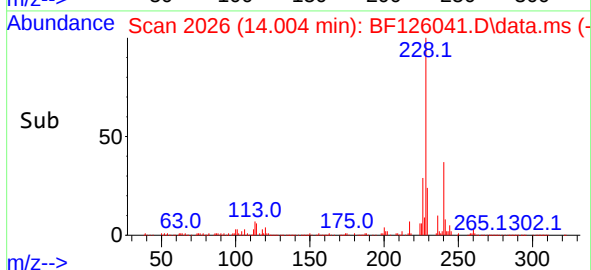
Reviewed By :Jagrut Upadhyay 11/08/2021
Supervised By :mohammad ahmed 11/08/2021

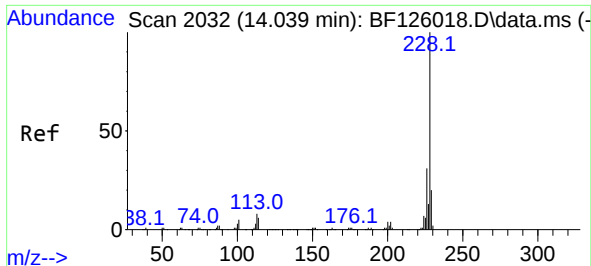


#81
Benzo(a)anthracene
Concen: 18.664 ng
RT: 14.004 min Scan# 2026
Delta R.T. 0.006 min
Lab File: BF126041.D
Acq: 4 Nov 2021 12:45



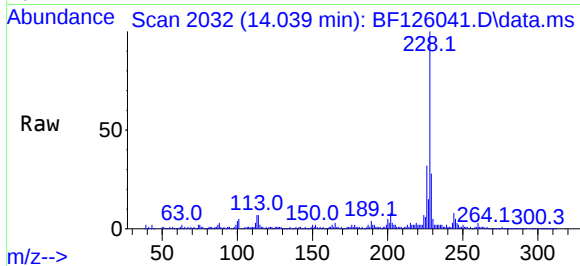
Tgt Ion:228 Resp: 422509
Ion Ratio Lower Upper
228 100
226 30.8 21.6 32.4
229 27.1 15.6 23.4#





#83
Chrysene
Concen: 18.319 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.000 min
Lab File: BF126041.D
Acq: 4 Nov 2021 12:45

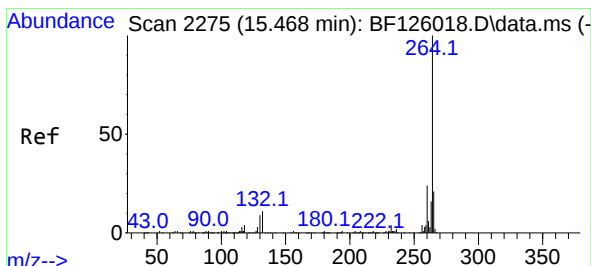
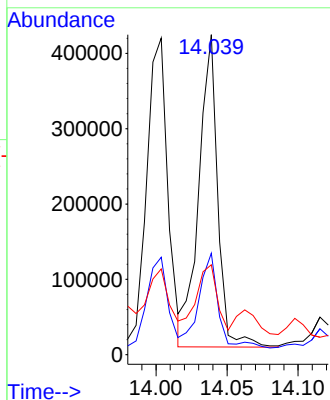
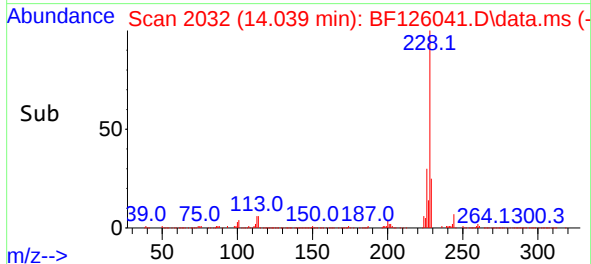
Instrument : BNA_F
ClientSampleId :
FDR-BH-7-20211028-7.5-8DL



Tgt Ion:228 Resp: 385864
Ion Ratio Lower Upper
228 100
226 31.7 22.6 34.0
229 28.1 15.9 23.9

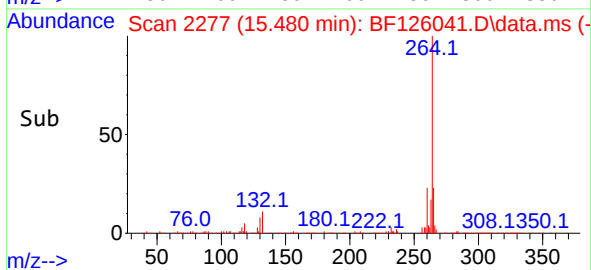
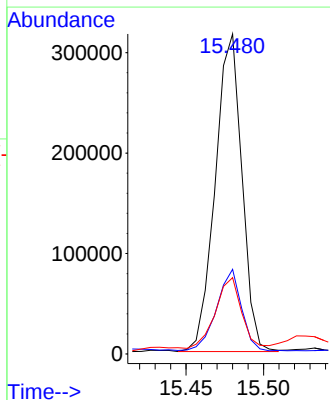
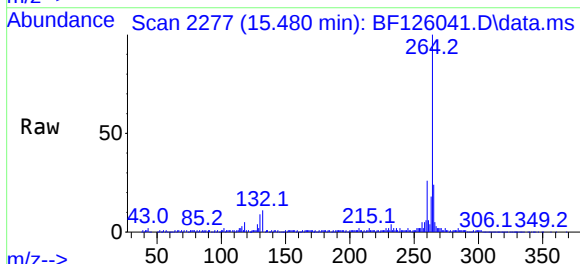
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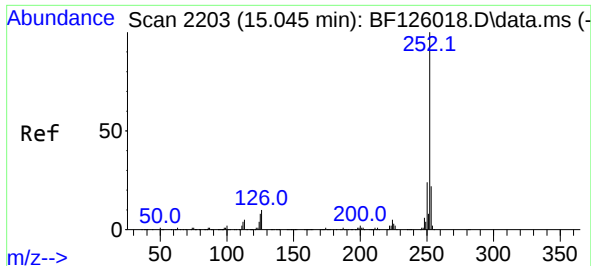
Reviewed By :Jagrut Upadhyay 11/08/2021
Supervised By :mohammad ahmed 11/08/2021



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.480 min Scan# 2277
Delta R.T. 0.012 min
Lab File: BF126041.D
Acq: 4 Nov 2021 12:45

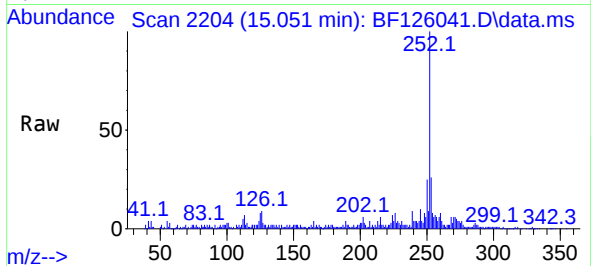
Tgt Ion:264 Resp: 378619
Ion Ratio Lower Upper
264 100
260 26.5 19.6 29.4
265 23.8 17.2 25.8





#88
Benzo(b)fluoranthene
Concen: 9.134 ng m
RT: 15.051 min Scan# 2204
Delta R.T. 0.006 min
Lab File: BF126041.D
Acq: 4 Nov 2021 12:45

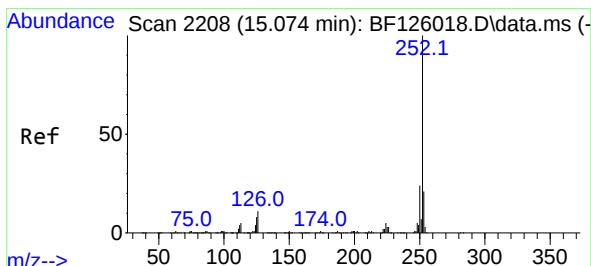
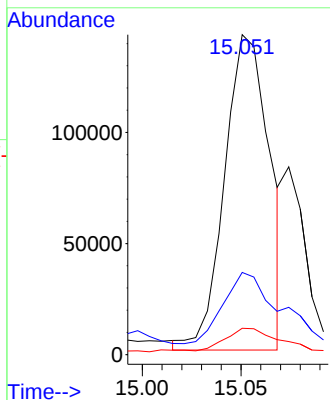
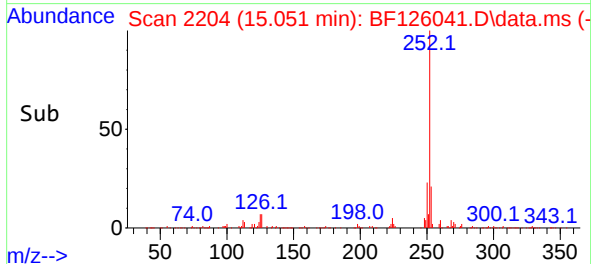
Instrument :
BNA_F
ClientSampleId :
FDR-BH-7-20211028-7.5-8DL



Tgt Ion:252 Resp: 224949
Ion Ratio Lower Upper
252 100
253 25.7 16.8 25.2
125 8.3 9.8 14.8

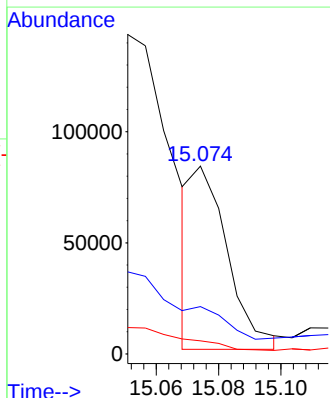
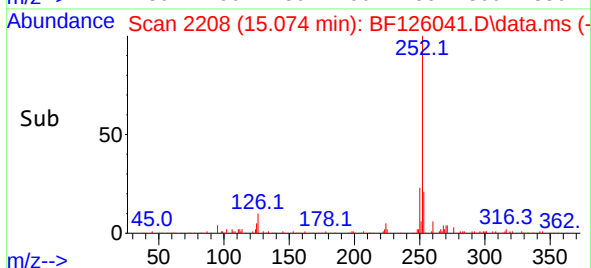
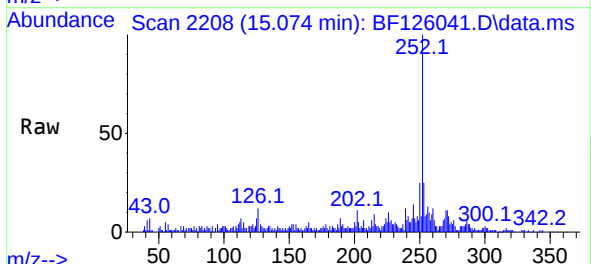
Manual Integrations
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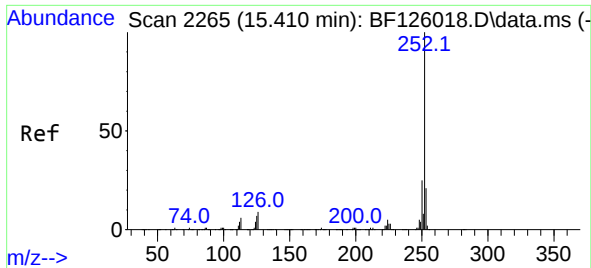
Reviewed By :Jagrut Upadhyay 11/08/2021
Supervised By :mohammad ahmed 11/08/2021



#89
Benzo(k)fluoranthene
Concen: 2.720 ng m
RT: 15.074 min Scan# 2208
Delta R.T. -0.000 min
Lab File: BF126041.D
Acq: 4 Nov 2021 12:45

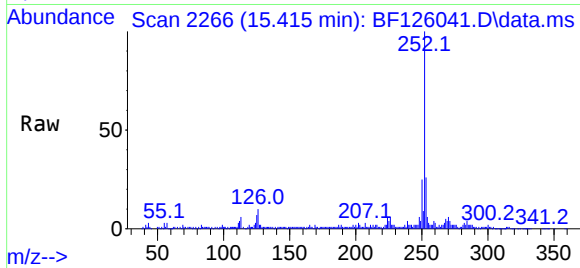
Tgt Ion:252 Resp: 64985
Ion Ratio Lower Upper
252 100
253 25.3 17.8 26.8
125 7.0 7.2 10.8





#90
Benzo(a)pyrene
Concen: 11.614 ng
RT: 15.415 min Scan# 2266
Delta R.T. 0.005 min
Lab File: BF126041.D
Acq: 4 Nov 2021 12:45

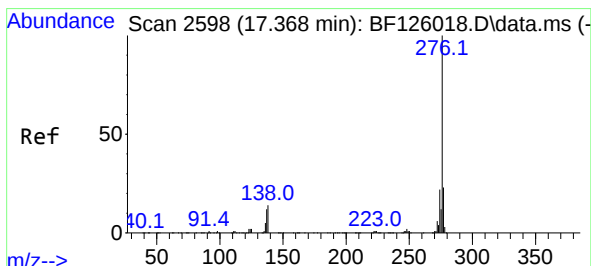
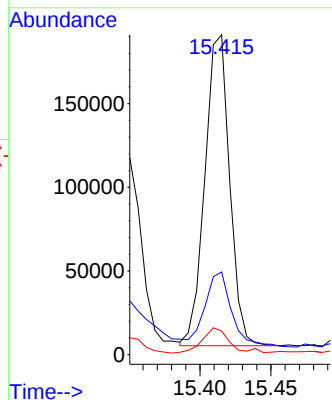
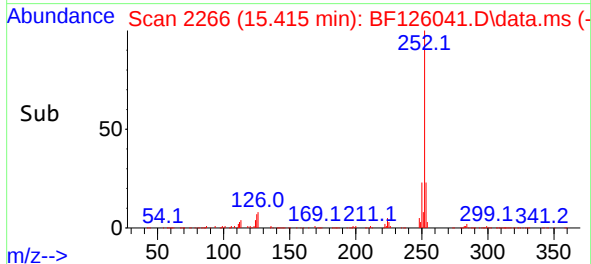
Instrument :
BNA_F
ClientSampleId :
FDR-BH-7-20211028-7.5-8DL



Tgt Ion:252 Resp: 225335
Ion Ratio Lower Upper
252 100
253 25.9 18.4 27.6
125 7.4 9.9 14.9

Manual Integrations
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Reviewed By :Jagrut Upadhyay 11/08/2021
Supervised By :mohammad ahmed 11/08/2021



#92
Benzo(g,h,i)perylene
Concen: 3.626 ng
RT: 17.368 min Scan# 2598
Delta R.T. 0.000 min
Lab File: BF126041.D
Acq: 4 Nov 2021 12:45

Tgt Ion:276 Resp: 64005
Ion Ratio Lower Upper
276 100
277 27.0 22.0 33.0
138 14.7 22.2 33.4

