

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110321\
 Data File : BF126027.D
 Acq On : 3 Nov 2021 19:20
 Operator : JU/CG
 Sample : M4427-05 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FDR-BH-4-20211029-7.5-8S

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/04/2021
 Supervised By : mohammad ahmed 11/08/2021

Quant Time: Nov 04 10:10:37 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	157357	20.00	ng	0.00
21) Naphthalene-d8	8.133	136	554967	20.00	ng	# 0.00
39) Acenaphthene-d10	9.886	164	306492	20.00	ng	0.00
64) Phenanthrene-d10	11.374	188	490383	20.00	ng	0.00
76) Chrysene-d12	14.015	240	349879	20.00	ng	# 0.00
86) Perylene-d12	15.474	264	358136	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	181145	19.77	ng	-0.01
7) Phenol-d6	6.463	99	238776	18.49	ng	-0.02
23) Nitrobenzene-d5	7.404	82	179234	15.23	ng	-0.02
42) 2,4,6-Tribromophenol	10.674	330	63168	17.98	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	322432	14.22	ng	0.00
79) Terphenyl-d14	12.957	244	261844	12.07	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.151	128	130229	4.53	ng	97
49) Acenaphthylene	9.745	152	56638	2.01	ng	# 90
55) Dibenzofuran	10.092	168	112947	4.22	ng	92
58) Fluorene	10.433	166	48424	2.25	ng	# 99
71) Phenanthrene	11.398	178	144817	5.45	ng	96
72) Anthracene	11.451	178	163277	6.15	ng	98
75) Fluoranthene	12.598	202	1502081	50.72	ng	92
78) Pyrene	12.821	202	1229751	43.83	ng	95
81) Benzo(a)anthracene	14.004	228	740357	30.80	ng	96
83) Chrysene	14.039	228	540216	24.15	ng	95
87) Indeno(1,2,3-cd)pyrene	16.927	276	339898	16.03	ng	# 82
88) Benzo(b)fluoranthene	15.051	252	746919m	32.06	ng	
89) Benzo(k)fluoranthene	15.074	252	258528m	11.44	ng	
90) Benzo(a)pyrene	15.415	252	653696m	35.62	ng	
91) Dibenzo(a,h)anthracene	16.933	278	107890	6.20	ng	96
92) Benzo(g,h,i)perylene	17.368	276	290487	17.40	ng	# 85

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

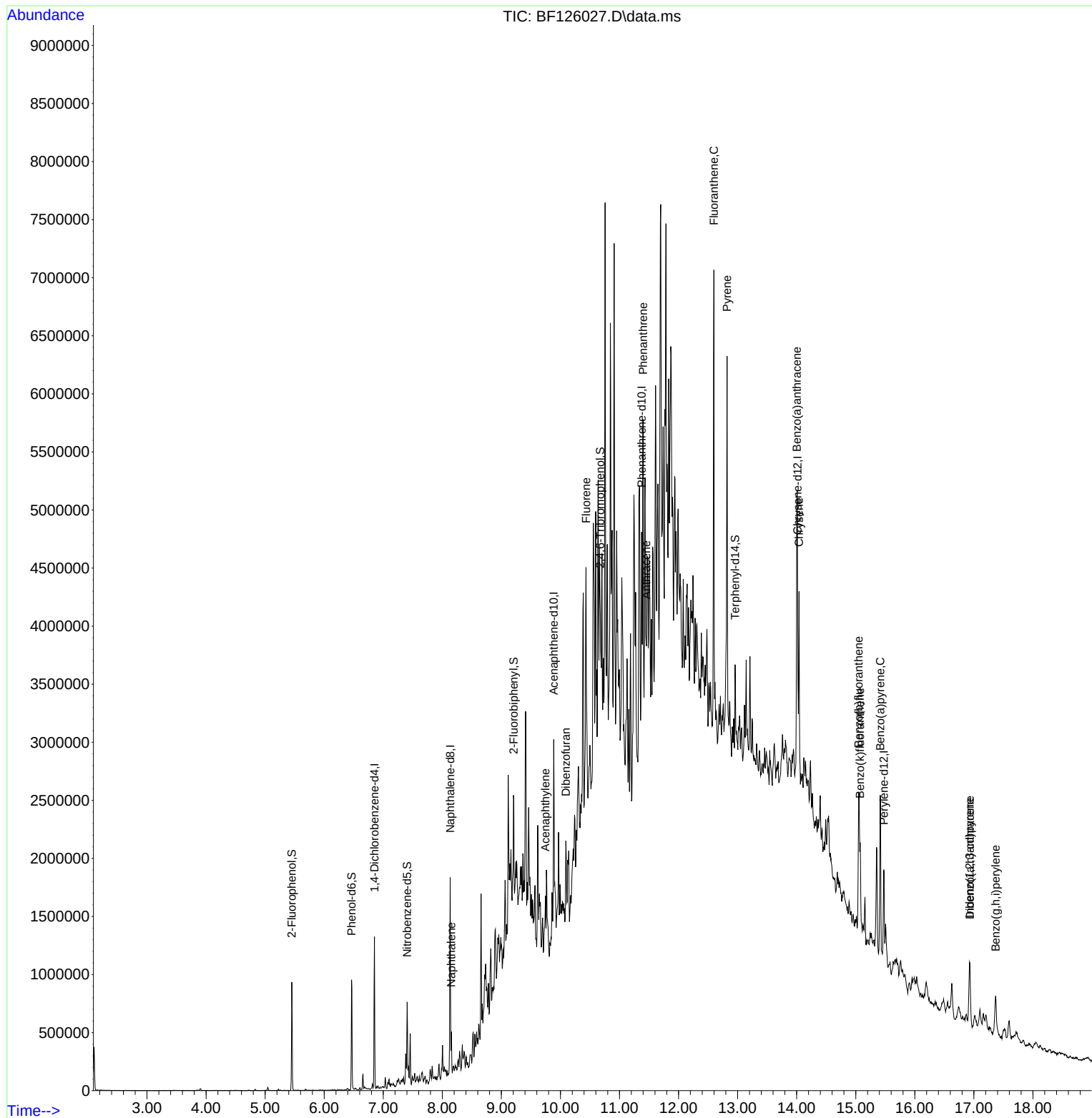
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110321\
Data File : BF126027.D
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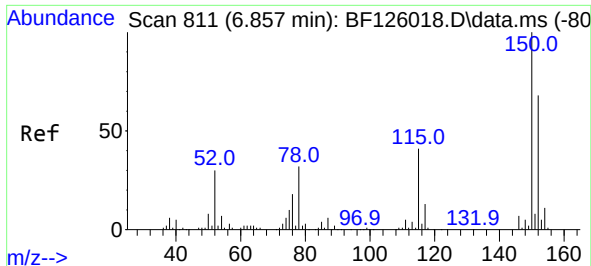
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Quant Time: Nov 04 10:10:37 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 03 17:21:25 2021
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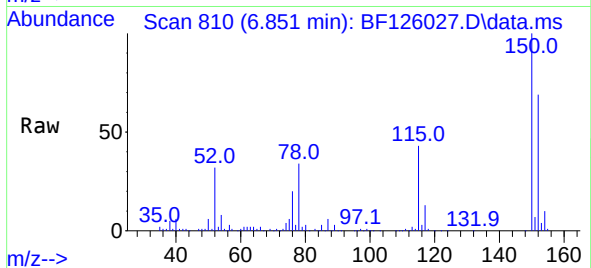
Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021





#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.851 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF126027.D
Acq: 3 Nov 2021 19:20

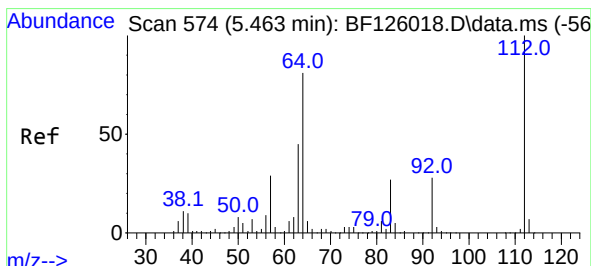
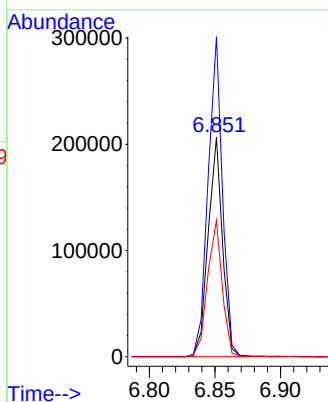
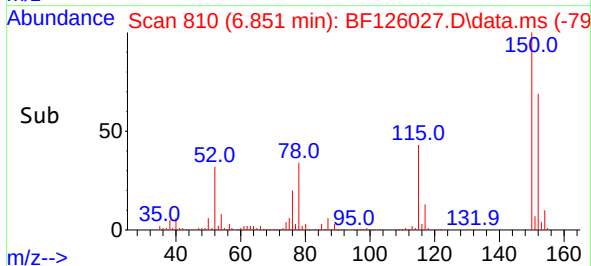
Instrument :
BNA_F
ClientSampleId :
FDR-BH-4-20211029-7.5-8S



Tgt Ion:152 Resp: 15735
Ion Ratio Lower Upper
152 100
150 145.7 117.6 176.4
115 62.0 47.1 70.7

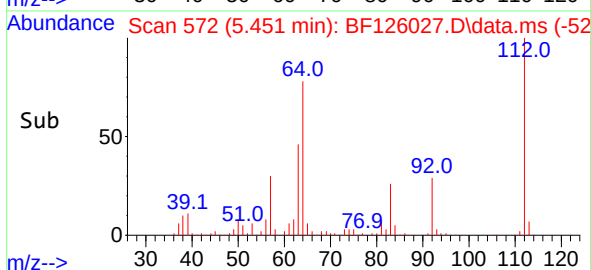
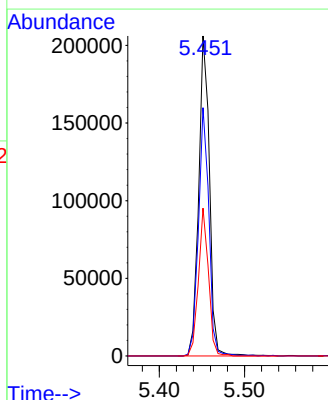
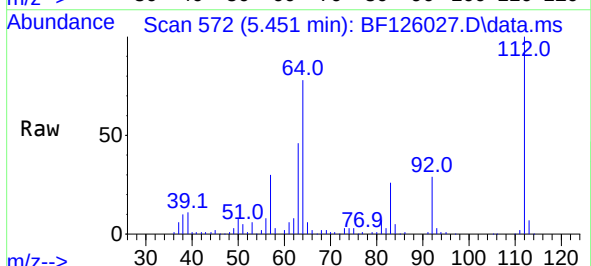
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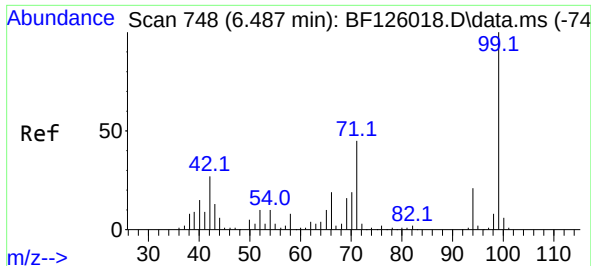
Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021



#5
2-Fluorophenol
Concen: 19.77 ng
RT: 5.451 min Scan# 572
Delta R.T. -0.012 min
Lab File: BF126027.D
Acq: 3 Nov 2021 19:20

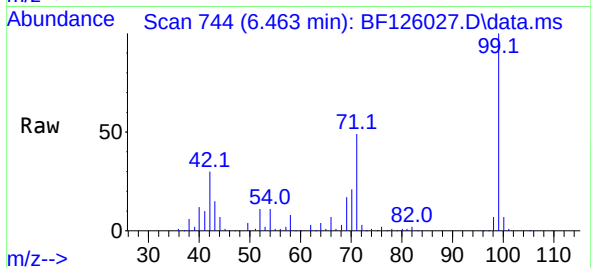
Tgt Ion:112 Resp: 181145
Ion Ratio Lower Upper
112 100
64 77.6 44.2 66.2#
63 46.2 26.2 39.2#





#7
Phenol-d6
Concen: 18.49 ng
RT: 6.463 min Scan# 74
Delta R.T. -0.024 min
Lab File: BF126027.D
Acq: 3 Nov 2021 19:20

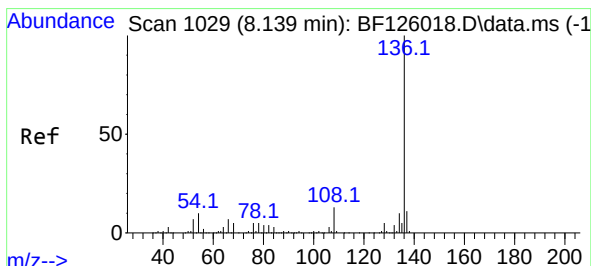
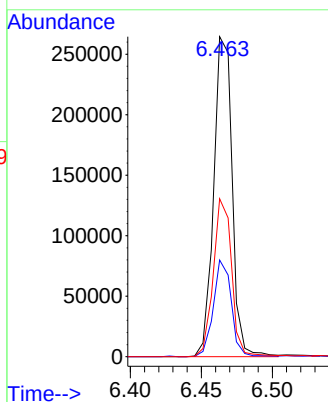
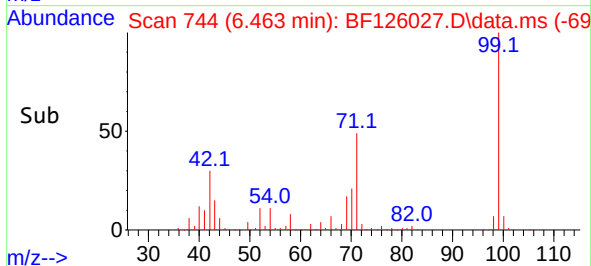
Instrument :
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Tgt Ion: 99 Resp: 238770
Ion Ratio Lower Upper
99 100
42 30.2 23.5 35.3
71 49.3 25.6 38.4

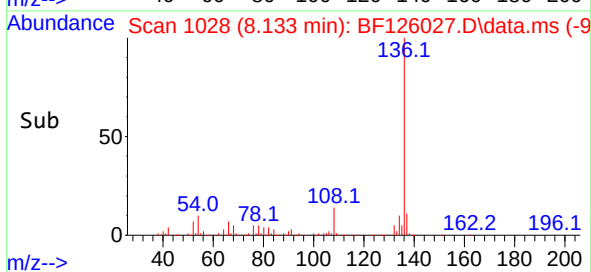
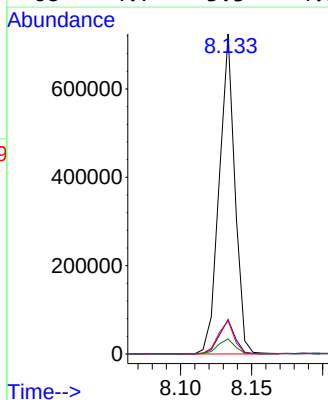
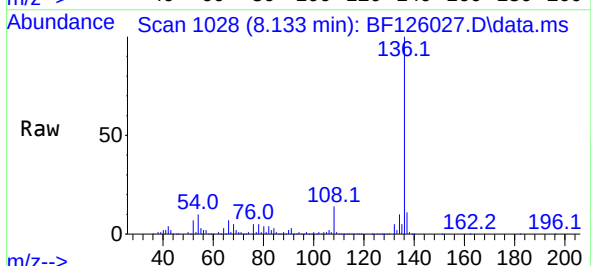
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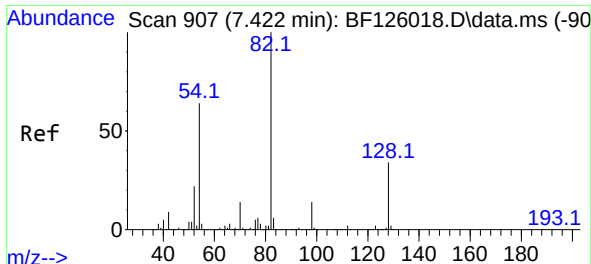
Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.133 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF126027.D
Acq: 3 Nov 2021 19:20

Tgt Ion:136 Resp: 554967
Ion Ratio Lower Upper
136 100
137 10.8 9.8 14.6
54 10.4 6.4 9.6#
68 4.7 3.3 4.9





#23

Nitrobenzene-d5

Concen: 15.23 ng

RT: 7.404 min Scan# 907

Delta R.T. -0.018 min

Lab File: BF126027.D

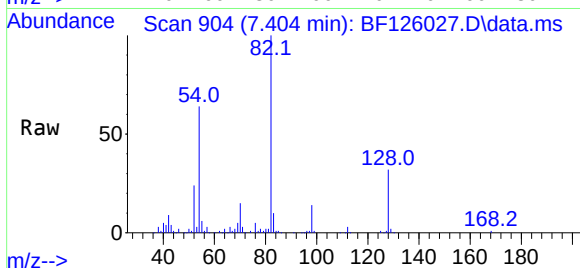
Acq: 3 Nov 2021 19:20

Instrument :

BNA_F

ClientSampleId :

FDR-BH-4-20211029-7.5-8S



Tgt Ion: 82 Resp: 179234

Ion Ratio Lower Upper

82 100

128 31.9 40.6 60.8

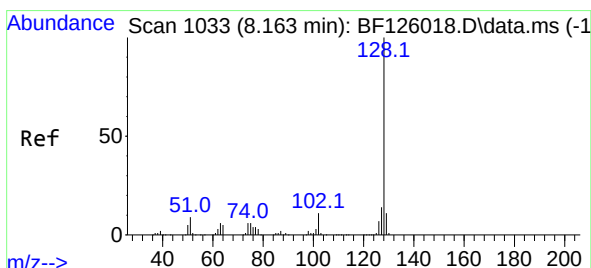
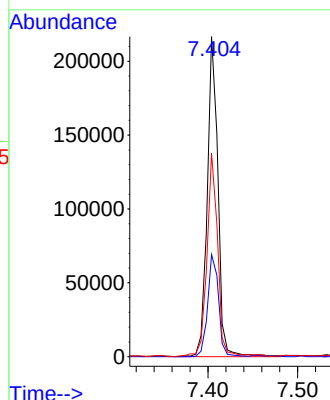
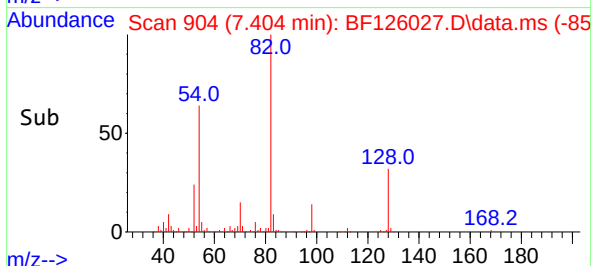
54 63.5 49.6 74.4

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#31

Naphthalene

Concen: 4.53 ng

RT: 8.151 min Scan# 1031

Delta R.T. -0.012 min

Lab File: BF126027.D

Acq: 3 Nov 2021 19:20

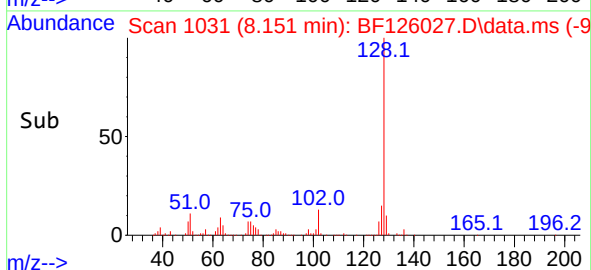
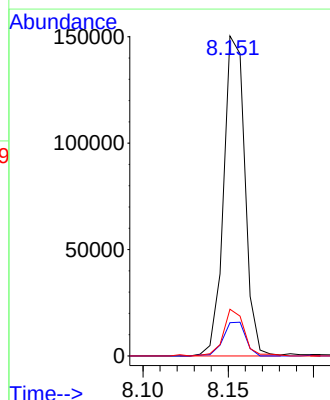
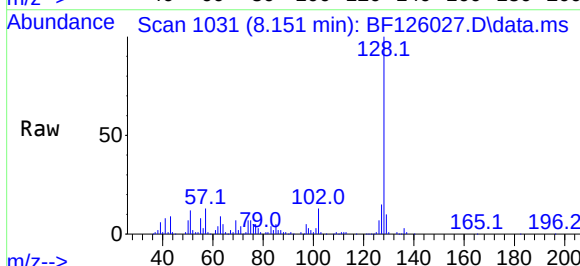
Tgt Ion:128 Resp: 130229

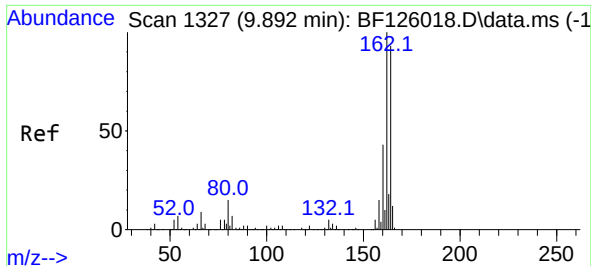
Ion Ratio Lower Upper

128 100

129 10.4 9.4 14.0

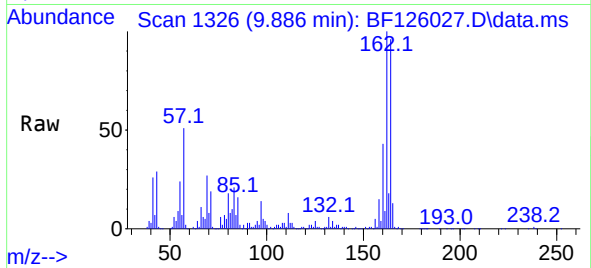
127 14.6 10.9 16.3





#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.886 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126027.D
Acq: 3 Nov 2021 19:20

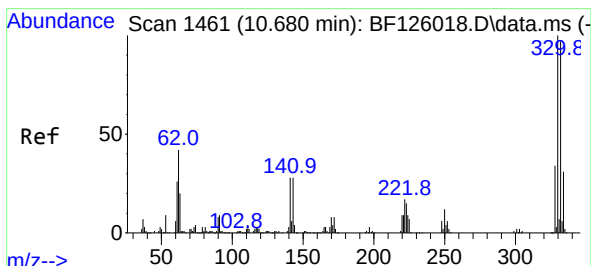
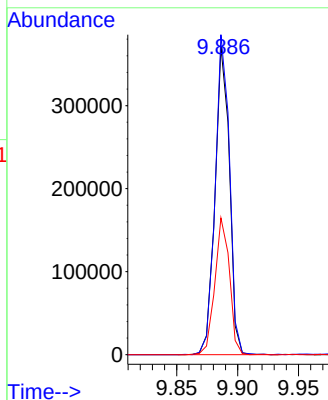
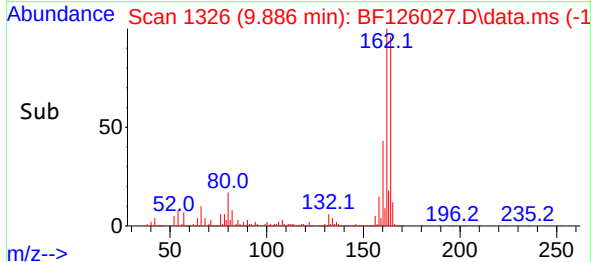
Instrument :
BNA_F
ClientSampleId :
FDR-BH-4-20211029-7.5-8S



Tgt Ion:164 Resp: 306492
Ion Ratio Lower Upper
164 100
162 103.9 81.3 121.9
160 44.4 38.0 57.0

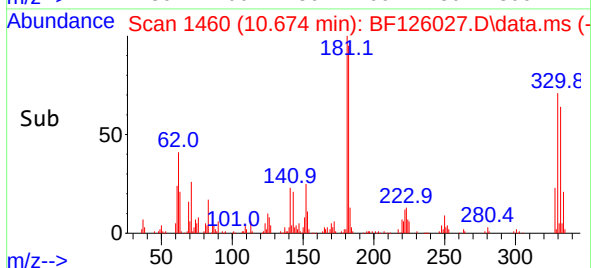
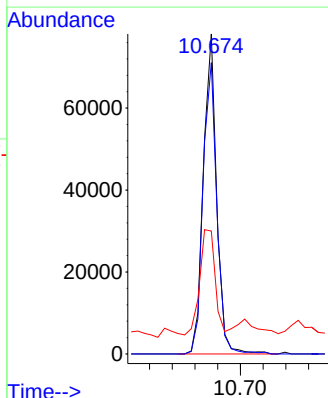
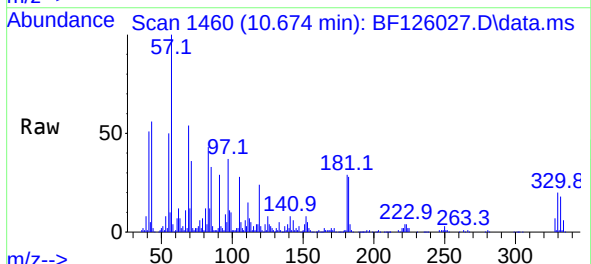
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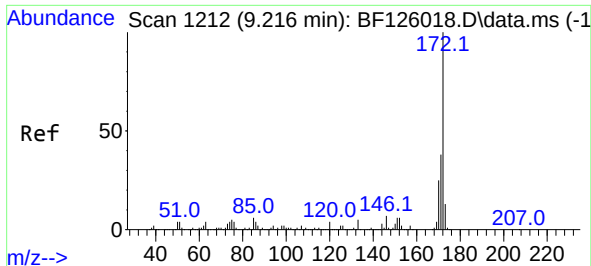
Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021



#42
2,4,6-Tribromophenol
Concen: 17.98 ng
RT: 10.674 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF126027.D
Acq: 3 Nov 2021 19:20

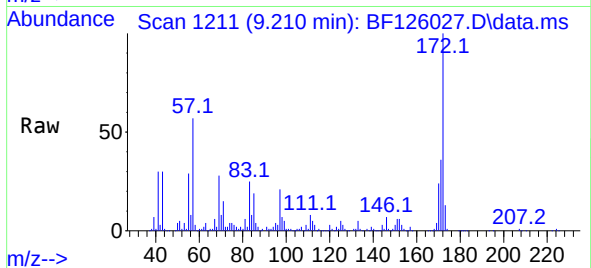
Tgt Ion:330 Resp: 63168
Ion Ratio Lower Upper
330 100
332 94.4 76.2 114.4
141 39.1 44.6 66.8#





#45
2-Fluorobiphenyl
Concen: 14.22 ng
RT: 9.210 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126027.D
Acq: 3 Nov 2021 19:20

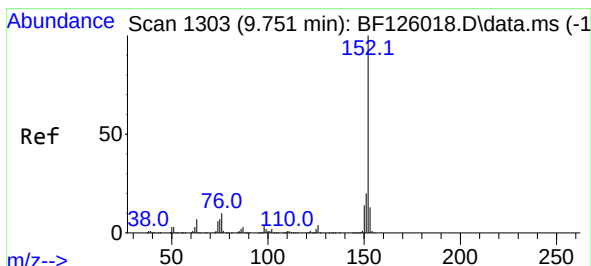
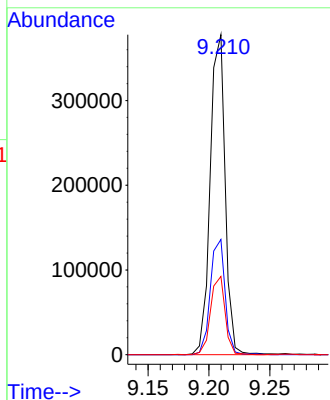
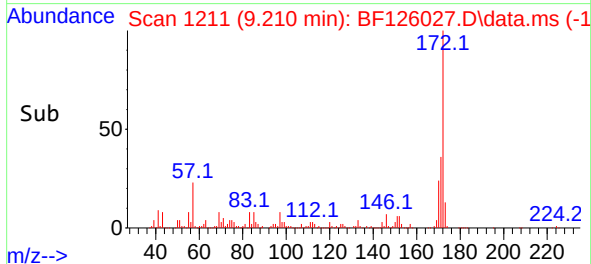
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FDR-BH-4-20211029-7.5-8S



Tgt Ion:172 Resp: 32243
Ion Ratio Lower Upper
172 100
171 36.0 26.5 39.7
170 24.5 18.8 28.2

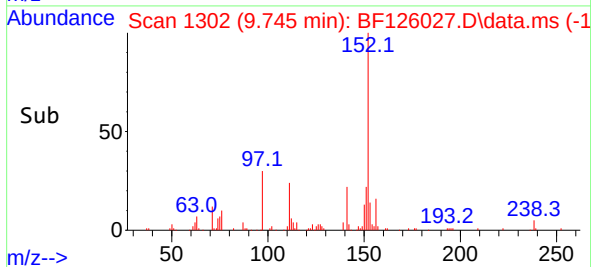
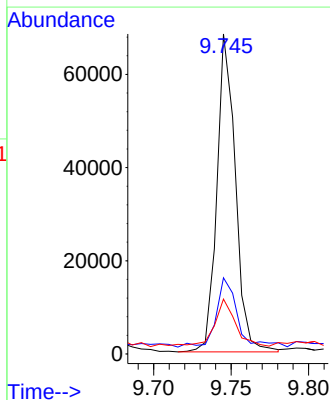
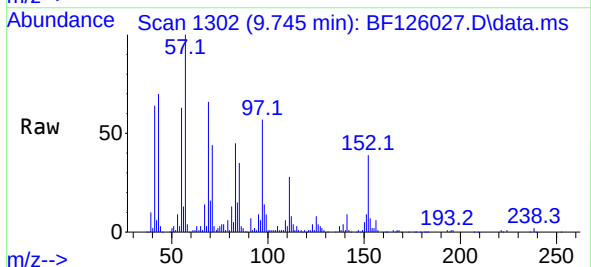
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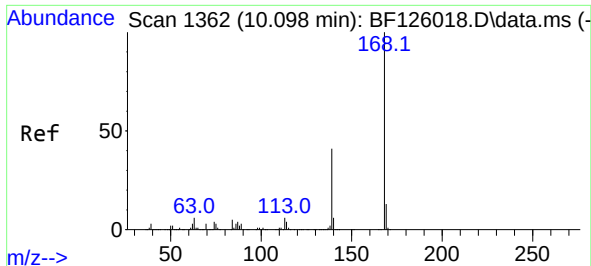
Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021



#49
Acenaphthylene
Concen: 2.01 ng
RT: 9.745 min Scan# 1302
Delta R.T. -0.006 min
Lab File: BF126027.D
Acq: 3 Nov 2021 19:20

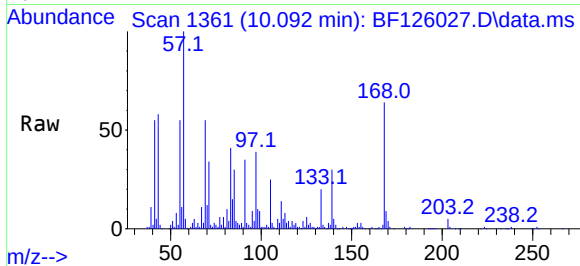
Tgt Ion:152 Resp: 56638
Ion Ratio Lower Upper
152 100
151 23.8 15.7 23.5#
153 17.1 9.8 14.8#





#55
Dibenzenofuran
Concen: 4.22 ng
RT: 10.092 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126027.D
Acq: 3 Nov 2021 19:20

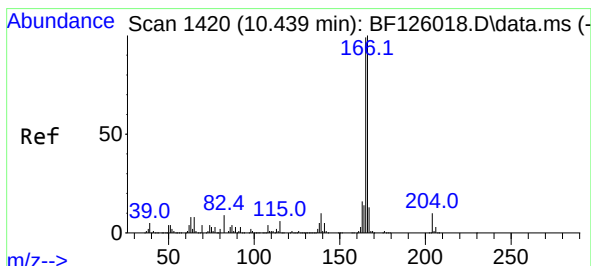
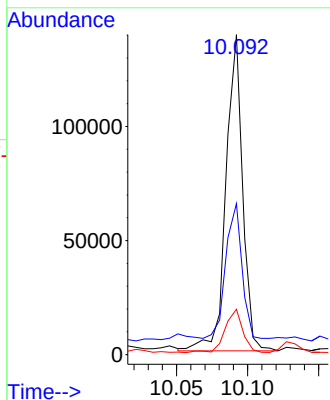
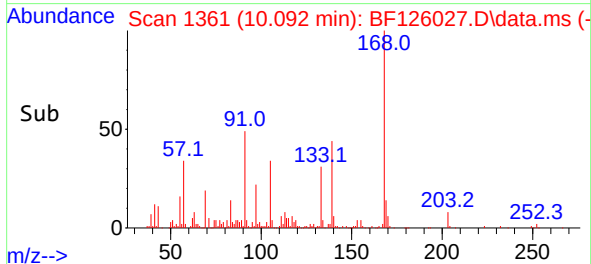
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Tgt Ion:168 Resp: 11294
Ion Ratio Lower Upper
168 100
139 47.2 32.7 49.1
169 14.2 11.2 16.8

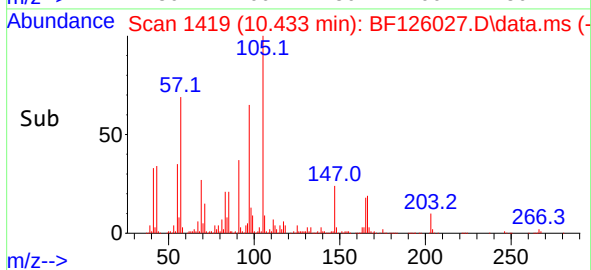
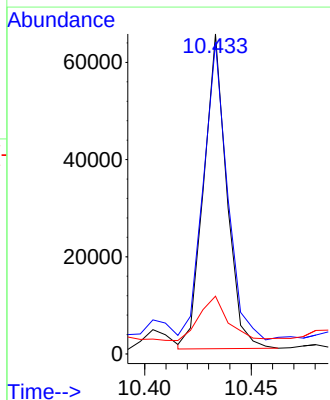
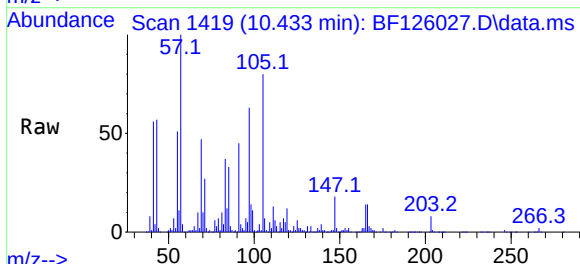
Manual Integrations
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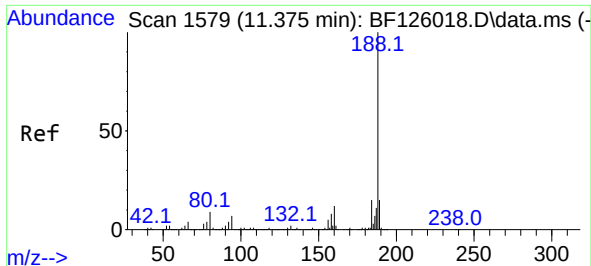
Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021



#58
Fluorene
Concen: 2.25 ng
RT: 10.433 min Scan# 1419
Delta R.T. -0.006 min
Lab File: BF126027.D
Acq: 3 Nov 2021 19:20

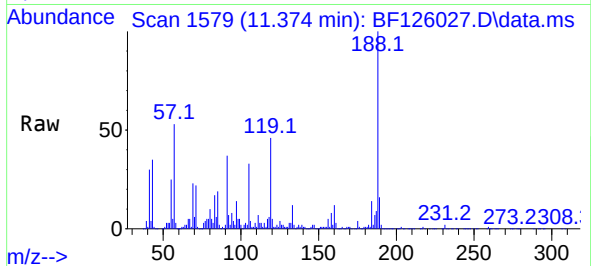
Tgt Ion:166 Resp: 48424
Ion Ratio Lower Upper
166 100
165 97.5 78.1 117.1
167 18.1 11.1 16.7#





#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.374 min Scan# 11
Delta R.T. -0.001 min
Lab File: BF126027.D
Acq: 3 Nov 2021 19:20

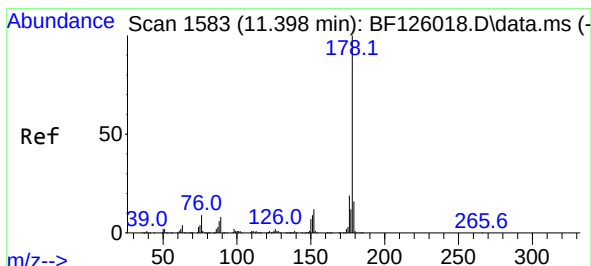
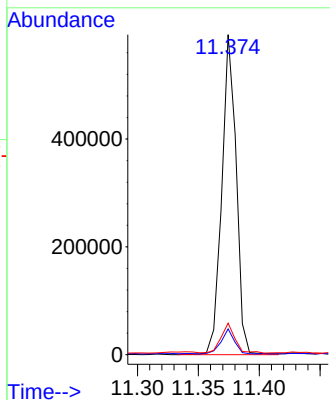
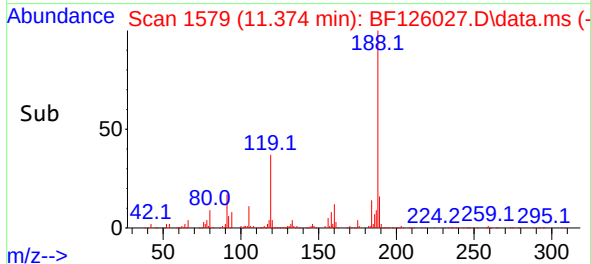
Instrument :
BNA_F
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FDR-BH-4-20211029-7.5-8S



Tgt Ion:188 Resp: 49038
Ion Ratio Lower Upper
188 100
94 8.1 6.7 10.1
80 9.8 7.5 11.3

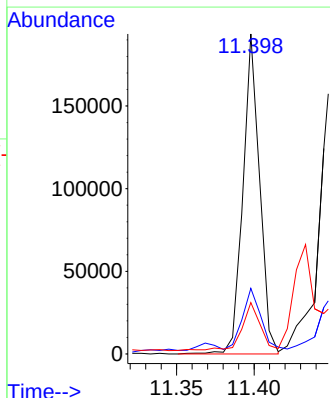
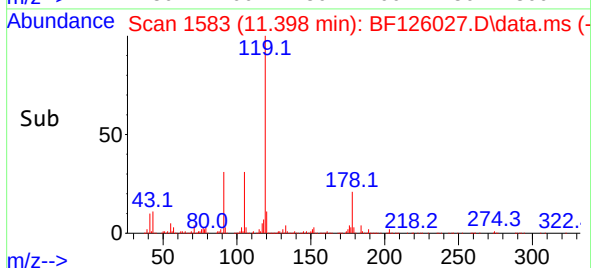
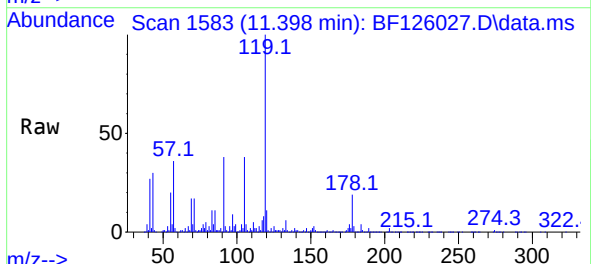
Manual Integrations
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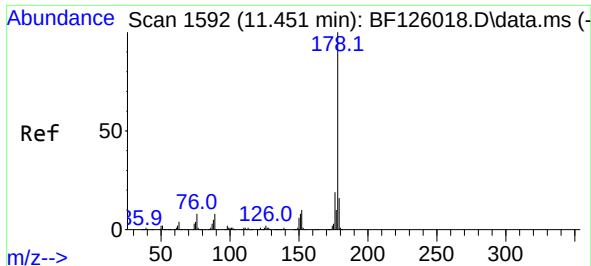
Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021



#71
Phenanthrene
Concen: 5.45 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.000 min
Lab File: BF126027.D
Acq: 3 Nov 2021 19:20

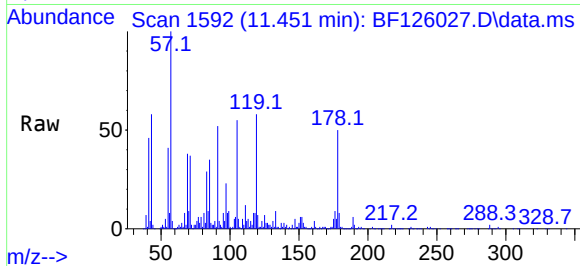
Tgt Ion:178 Resp: 144817
Ion Ratio Lower Upper
178 100
176 20.5 14.7 22.1
179 16.0 11.5 17.3





#72
 Anthracene
 Concen: 6.15 ng
 RT: 11.451 min Scan# 1592
 Delta R.T. -0.000 min
 Lab File: BF126027.D
 Acq: 3 Nov 2021 19:20

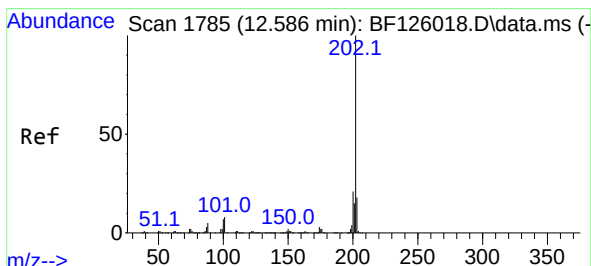
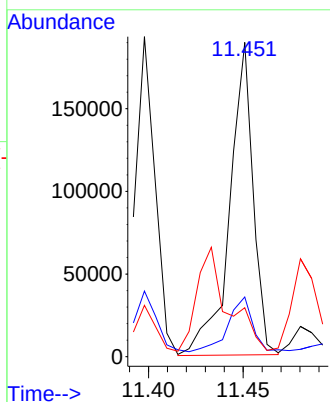
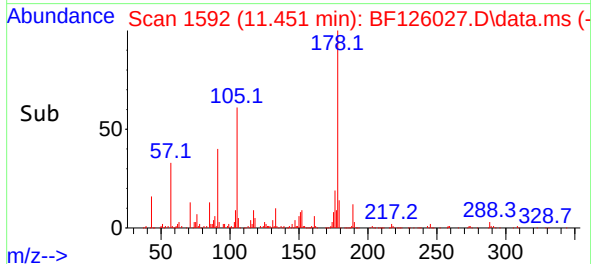
Instrument :
 BNA_F
 ClientSampleId :
 FDR-BH-4-20211029-7.5-8S



Tgt Ion:178 Resp: 16327
 Ion Ratio Lower Upper
 178 100
 176 19.0 14.3 21.5
 179 15.6 12.2 18.4

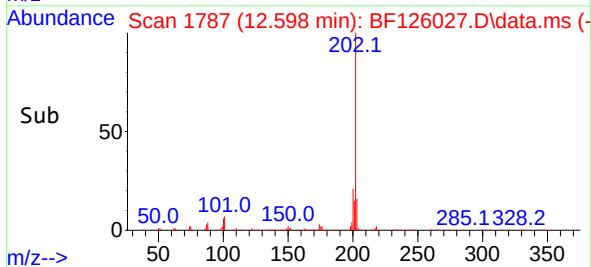
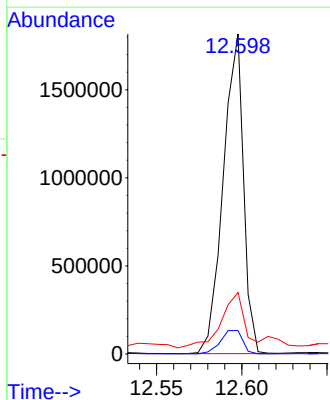
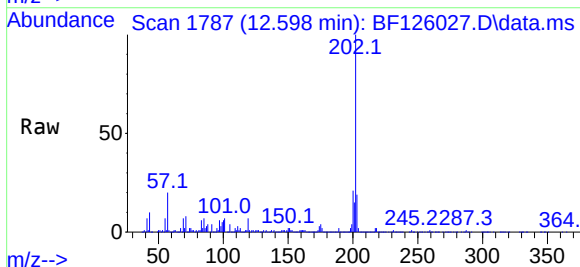
Manual Integrations
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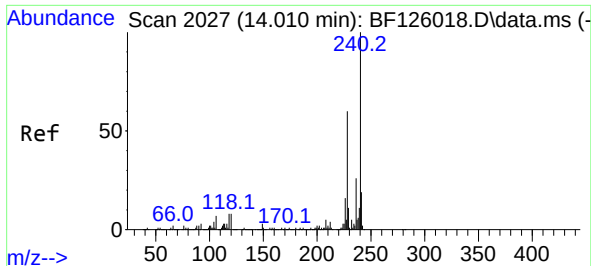
Reviewed By :Christian Giraldo 11/04/2021
 Supervised By :mohammad ahmed 11/08/2021



#75
 Fluoranthene
 Concen: 50.72 ng
 RT: 12.598 min Scan# 1787
 Delta R.T. 0.012 min
 Lab File: BF126027.D
 Acq: 3 Nov 2021 19:20

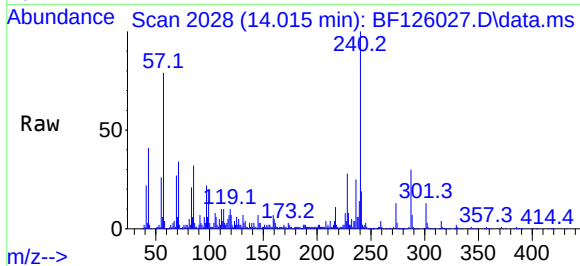
Tgt Ion:202 Resp: 1502081
 Ion Ratio Lower Upper
 202 100
 101 7.3 0.0 30.7
 203 19.2 0.0 36.3





#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.015 min Scan# 2027
Delta R.T. 0.005 min
Lab File: BF126027.D
Acq: 3 Nov 2021 19:20

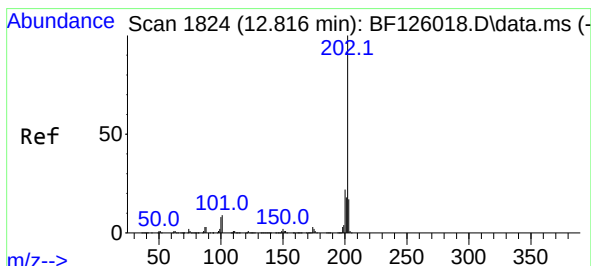
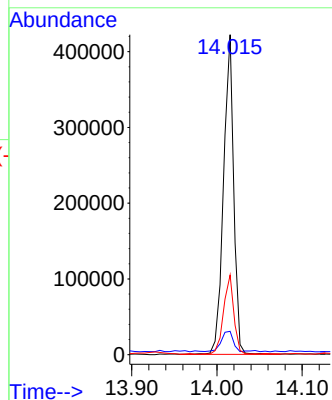
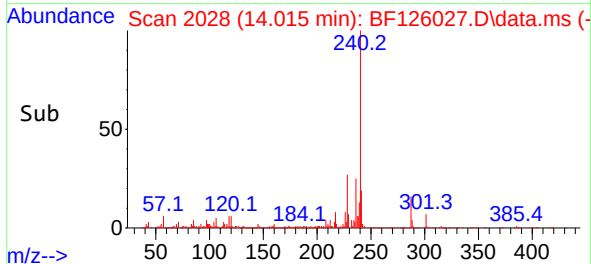
Instrument :
BNA_F
ClientSampleId :
FDR-BH-4-20211029-7.5-8S



Tgt Ion:240 Resp: 349879
Ion Ratio Lower Upper
240 100
120 7.3 10.8 16.2
236 24.9 21.6 32.4

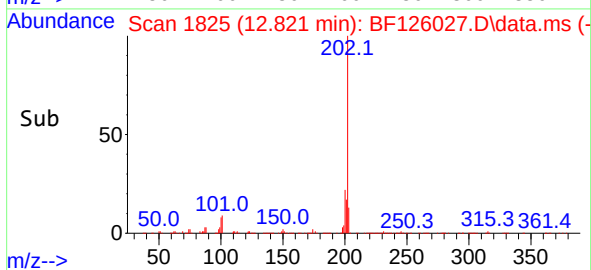
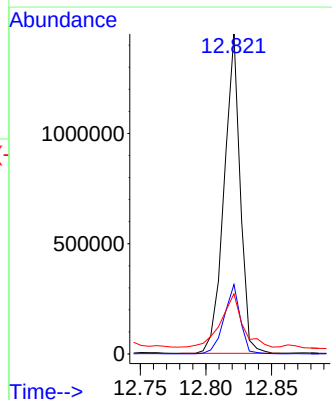
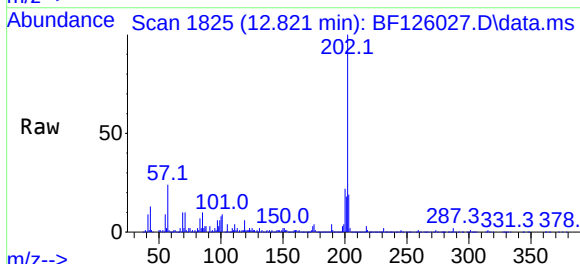
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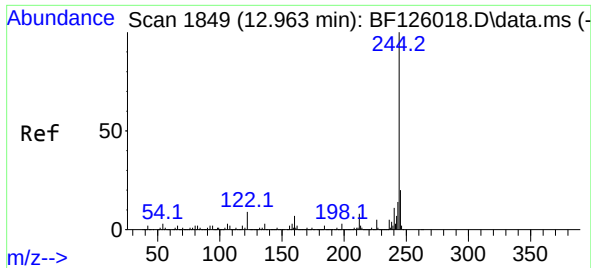
Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021



#78
Pyrene
Concen: 43.83 ng
RT: 12.821 min Scan# 1825
Delta R.T. 0.005 min
Lab File: BF126027.D
Acq: 3 Nov 2021 19:20

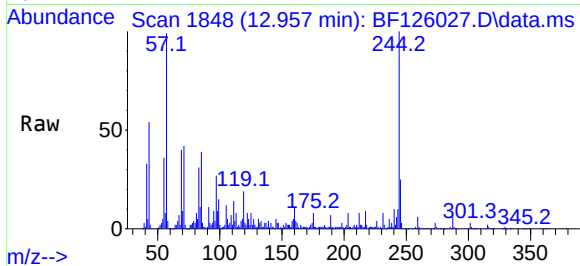
Tgt Ion:202 Resp: 1229751
Ion Ratio Lower Upper
202 100
200 21.7 15.3 22.9
203 18.8 13.4 20.0





#79
 Terphenyl-d14
 Concen: 12.07 ng
 RT: 12.957 min Scan# 1849
 Delta R.T. -0.006 min
 Lab File: BF126027.D
 Acq: 3 Nov 2021 19:20

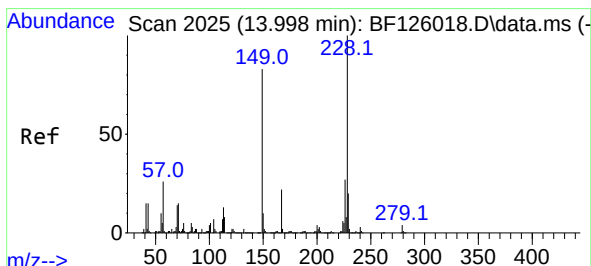
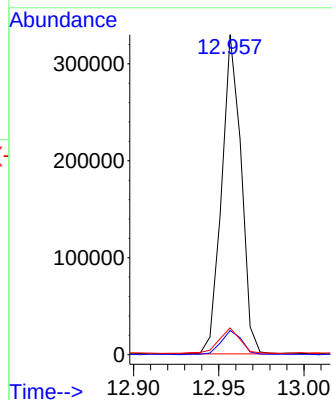
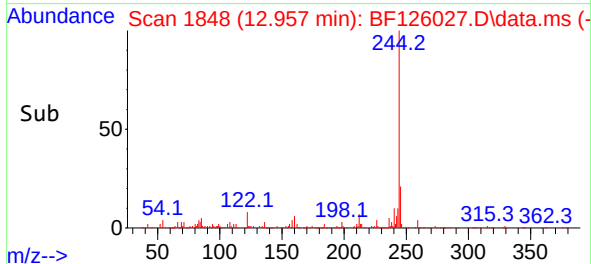
Instrument : BNA_F
 ClientSampleId :
 FDR-BH-4-20211029-7.5-8S



Tgt Ion:244 Resp: 261844
 Ion Ratio Lower Upper
 244 100
 212 7.6 5.9 8.9
 122 8.3 9.0 13.4

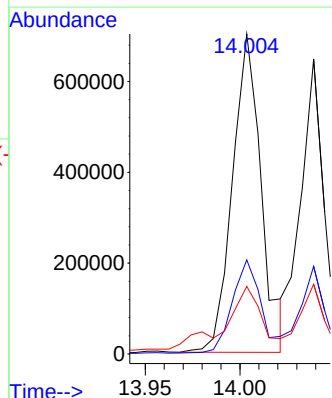
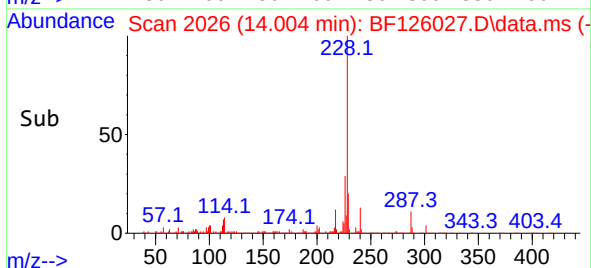
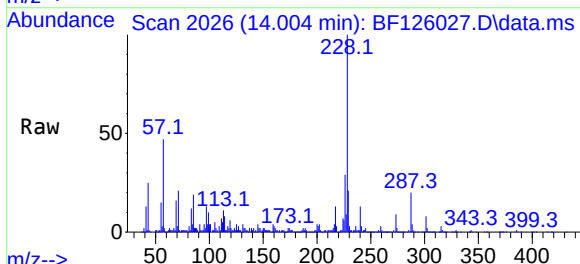
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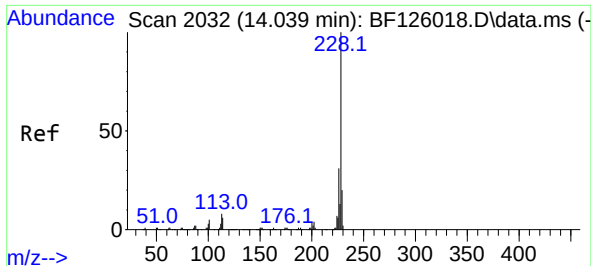
Reviewed By :Christian Giraldo 11/04/2021
 Supervised By :mohammad ahmed 11/08/2021



#81
 Benzo(a)anthracene
 Concen: 30.80 ng
 RT: 14.004 min Scan# 2026
 Delta R.T. 0.006 min
 Lab File: BF126027.D
 Acq: 3 Nov 2021 19:20

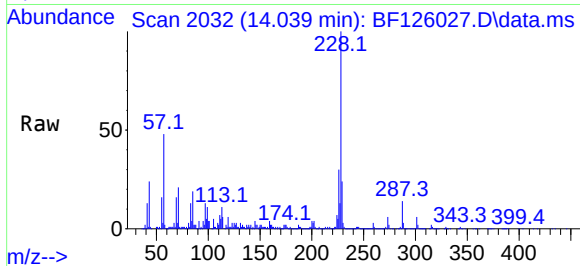
Tgt Ion:228 Resp: 740357
 Ion Ratio Lower Upper
 228 100
 226 29.4 21.6 32.4
 229 21.1 15.6 23.4





#83
Chrysene
Concen: 24.15 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.000 min
Lab File: BF126027.D
Acq: 3 Nov 2021 19:20

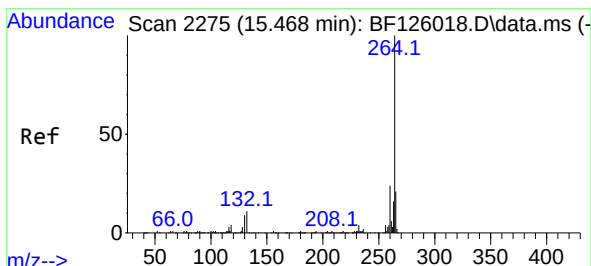
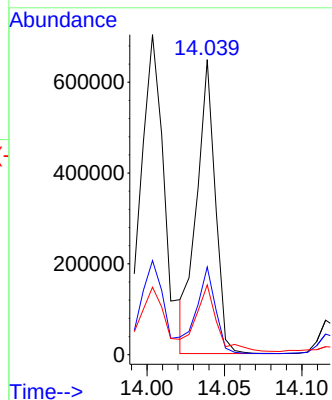
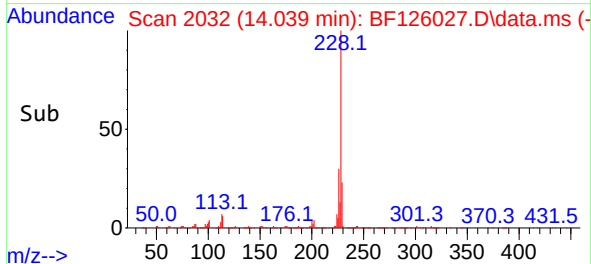
Instrument : BNA_F
ClientSampleId : FDR-BH-4-20211029-7.5-8S



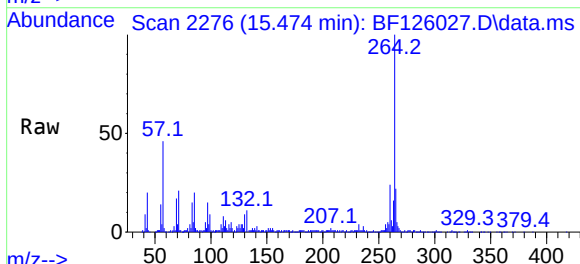
Tgt Ion:228 Resp: 540210
Ion Ratio Lower Upper
228 100
226 29.7 22.6 34.0
229 23.6 15.9 23.9

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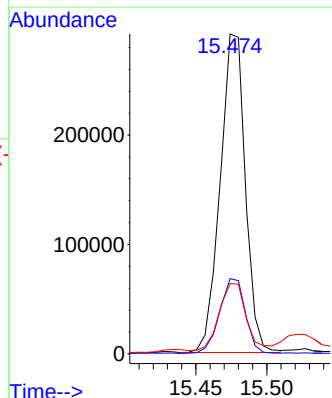
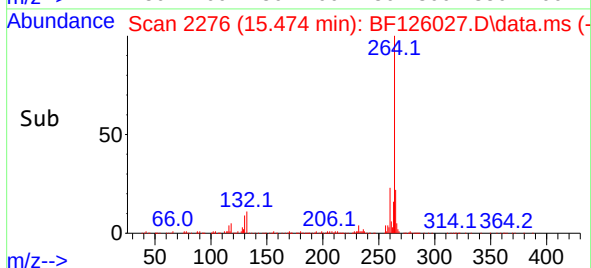
Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021

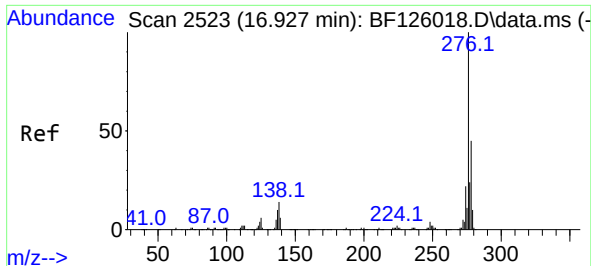


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.474 min Scan# 2276
Delta R.T. 0.006 min
Lab File: BF126027.D
Acq: 3 Nov 2021 19:20



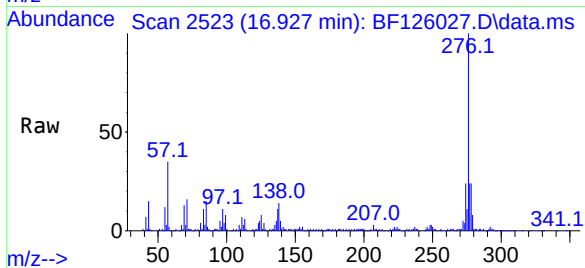
Tgt Ion:264 Resp: 358136
Ion Ratio Lower Upper
264 100
260 23.5 19.6 29.4
265 22.0 17.2 25.8





#87
Indeno(1,2,3-cd)pyrene
Concen: 16.03 ng
RT: 16.927 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF126027.D
Acq: 3 Nov 2021 19:20

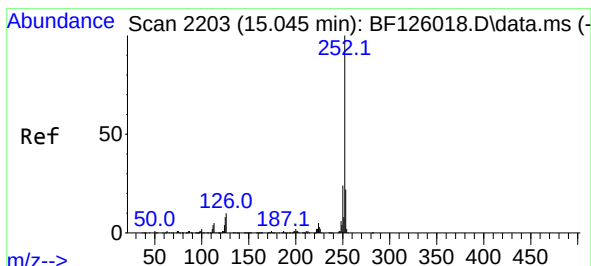
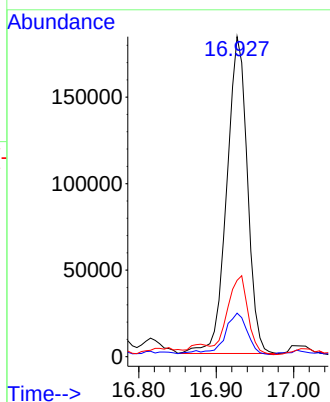
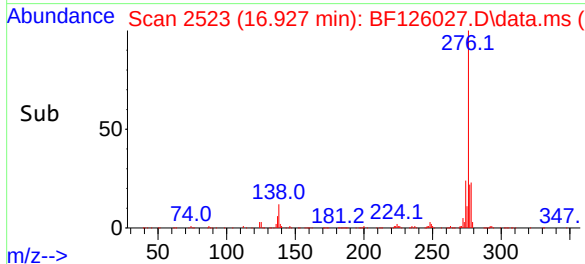
Instrument :
BNA_F
ClientSampleId :
FDR-BH-4-20211029-7.5-8S



Tgt Ion:276 Resp: 339898
Ion Ratio Lower Upper
276 100
138 13.6 24.1 36.1
277 24.9 18.8 28.2

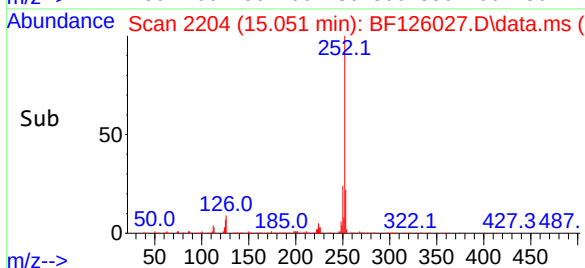
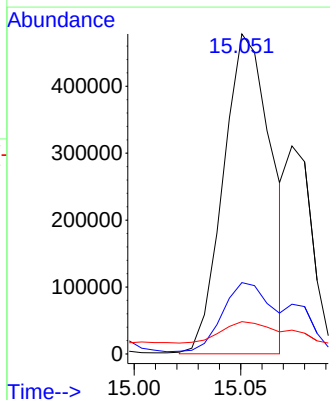
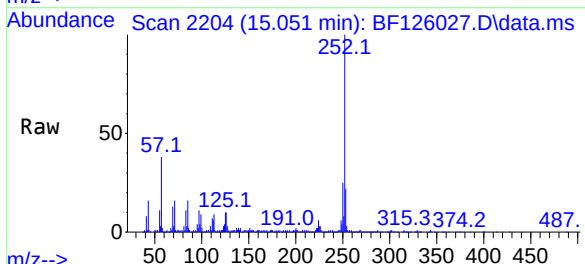
Manual Integrations
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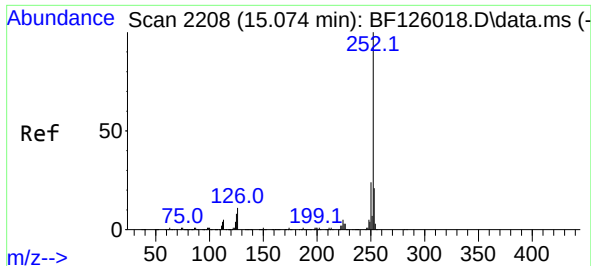
Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021



#88
Benzo(b)fluoranthene
Concen: 32.06 ng m
RT: 15.051 min Scan# 2204
Delta R.T. 0.006 min
Lab File: BF126027.D
Acq: 3 Nov 2021 19:20

Tgt Ion:252 Resp: 746919
Ion Ratio Lower Upper
252 100
253 22.3 16.8 25.2
125 10.1 9.8 14.8





#89

Benzo(k)fluoranthene

Concen: 11.44 ng m

RT: 15.074 min Scan# 2208

Delta R.T. -0.000 min

Lab File: BF126027.D

Acq: 3 Nov 2021 19:20

Instrument :

BNA_F

ClientSampleId :

FDR-BH-4-20211029-7.5-8S

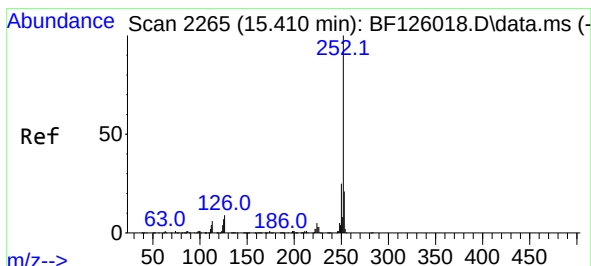
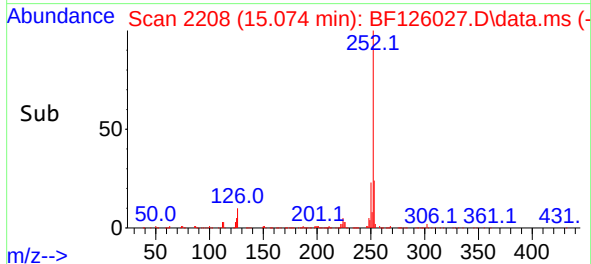
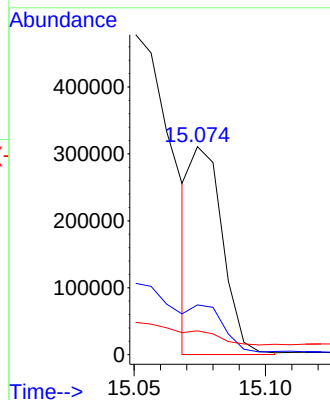
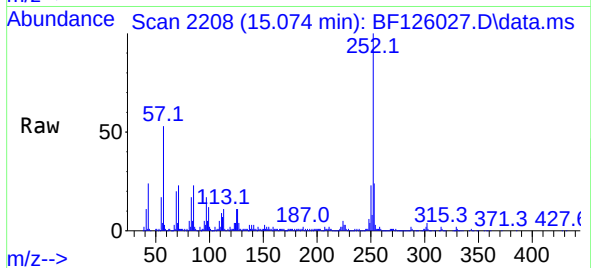
Tgt Ion:252 Resp: 258528

Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.8	26.8
125	11.5	7.2	10.8

Manual Integrations

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Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021



#90

Benzo(a)pyrene

Concen: 35.62 ng m

RT: 15.415 min Scan# 2266

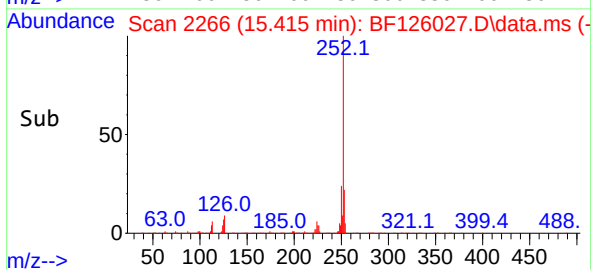
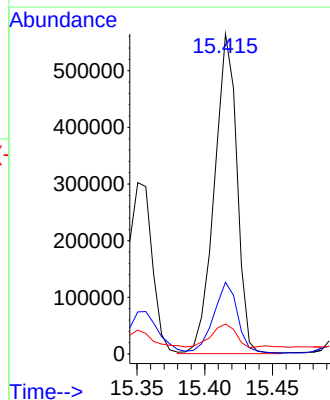
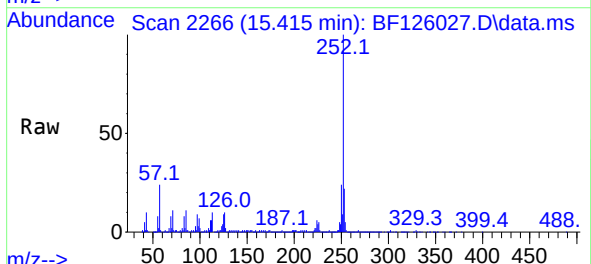
Delta R.T. 0.005 min

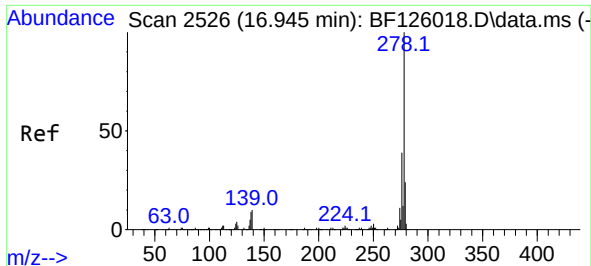
Lab File: BF126027.D

Acq: 3 Nov 2021 19:20

Tgt Ion:252 Resp: 653696

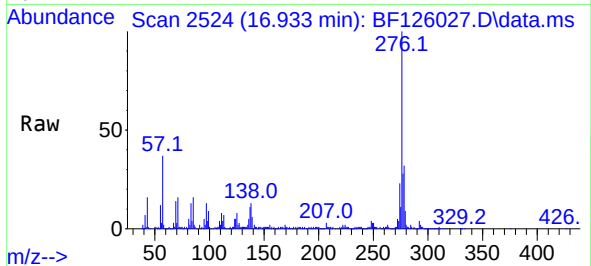
Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.4	27.6
125	9.3	9.9	14.9





#91
Dibenzo(a,h)anthracene
Concen: 6.20 ng
RT: 16.933 min Scan# 2526
Delta R.T. -0.012 min
Lab File: BF126027.D
Acq: 3 Nov 2021 19:20

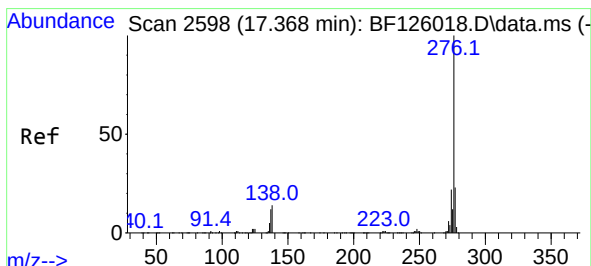
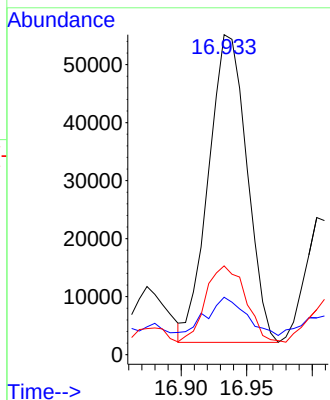
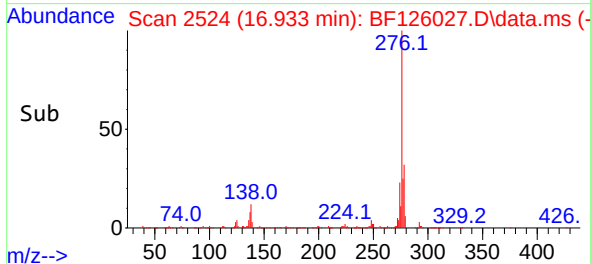
Instrument :
BNA_F
ClientSampleId :
FDR-BH-4-20211029-7.5-8S



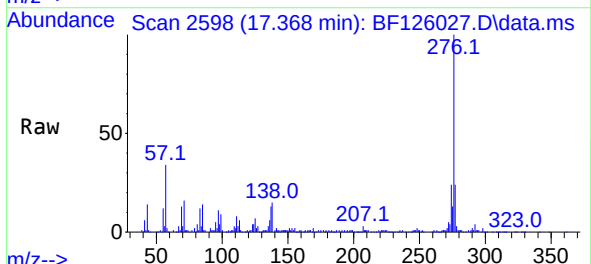
Tgt Ion: 278 Resp: 107890
Ion Ratio Lower Upper
278 100
139 18.0 14.9 22.3
279 27.8 19.7 29.5

Manual Integrations
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Reviewed By : Christian Giraldo 11/04/2021
Supervised By : mohammad ahmed 11/08/2021



#92
Benzo(g,h,i)perylene
Concen: 17.40 ng
RT: 17.368 min Scan# 2598
Delta R.T. 0.000 min
Lab File: BF126027.D
Acq: 3 Nov 2021 19:20



Tgt Ion: 276 Resp: 290487
Ion Ratio Lower Upper
276 100
277 24.3 22.0 33.0
138 14.9 22.2 33.4

