

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110321\
 Data File : BF126029.D
 Acq On : 3 Nov 2021 20:24
 Operator : JU/CG
 Sample : M4427-06 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 D20211029

Manual Integrations
 APPROVED

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

Quant Time: Nov 04 10:11:29 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	149679	20.00	ng	0.00
21) Naphthalene-d8	8.134	136	547471	20.00	ng	0.00
39) Acenaphthene-d10	9.886	164	281651	20.00	ng	0.00
64) Phenanthrene-d10	11.375	188	435228	20.00	ng	0.00
76) Chrysene-d12	14.016	240	340617	20.00	ng	# 0.00
86) Perylene-d12	15.480	264	337944	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	177355	20.35	ng	-0.01
7) Phenol-d6	6.463	99	233620	19.01	ng	-0.02
23) Nitrobenzene-d5	7.404	82	162403	13.99	ng	-0.02
42) 2,4,6-Tribromophenol	10.675	330	53596	16.60	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	300752	14.43	ng	0.00
79) Terphenyl-d14	12.957	244	248928	11.78	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.151	128	124862	4.40	ng	99
52) Acenaphthene	9.916	154	46365	2.84	ng	92
58) Fluorene	10.433	166	69568	3.52	ng	# 98
71) Phenanthrene	11.398	178	186151	7.89	ng	97
72) Anthracene	11.451	178	128632	5.46	ng	96
75) Fluoranthene	12.592	202	1121997	42.69	ng	92
78) Pyrene	12.822	202	911151	33.36	ng	95
81) Benzo(a)anthracene	14.004	228	601988	25.73	ng	96
83) Chrysene	14.039	228	432574	19.87	ng	94
87) Indeno(1,2,3-cd)pyrene	16.933	276	465905	23.29	ng	# 82
88) Benzo(b)fluoranthene	15.057	252	780876m	35.52	ng	
89) Benzo(k)fluoranthene	15.080	252	304231m	14.27	ng	
90) Benzo(a)pyrene	15.421	252	759104m	43.83	ng	
91) Dibenzo(a,h)anthracene	16.939	278	125270	7.62	ng	94
92) Benzo(g,h,i)perylene	17.374	276	409524	25.99	ng	# 83

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

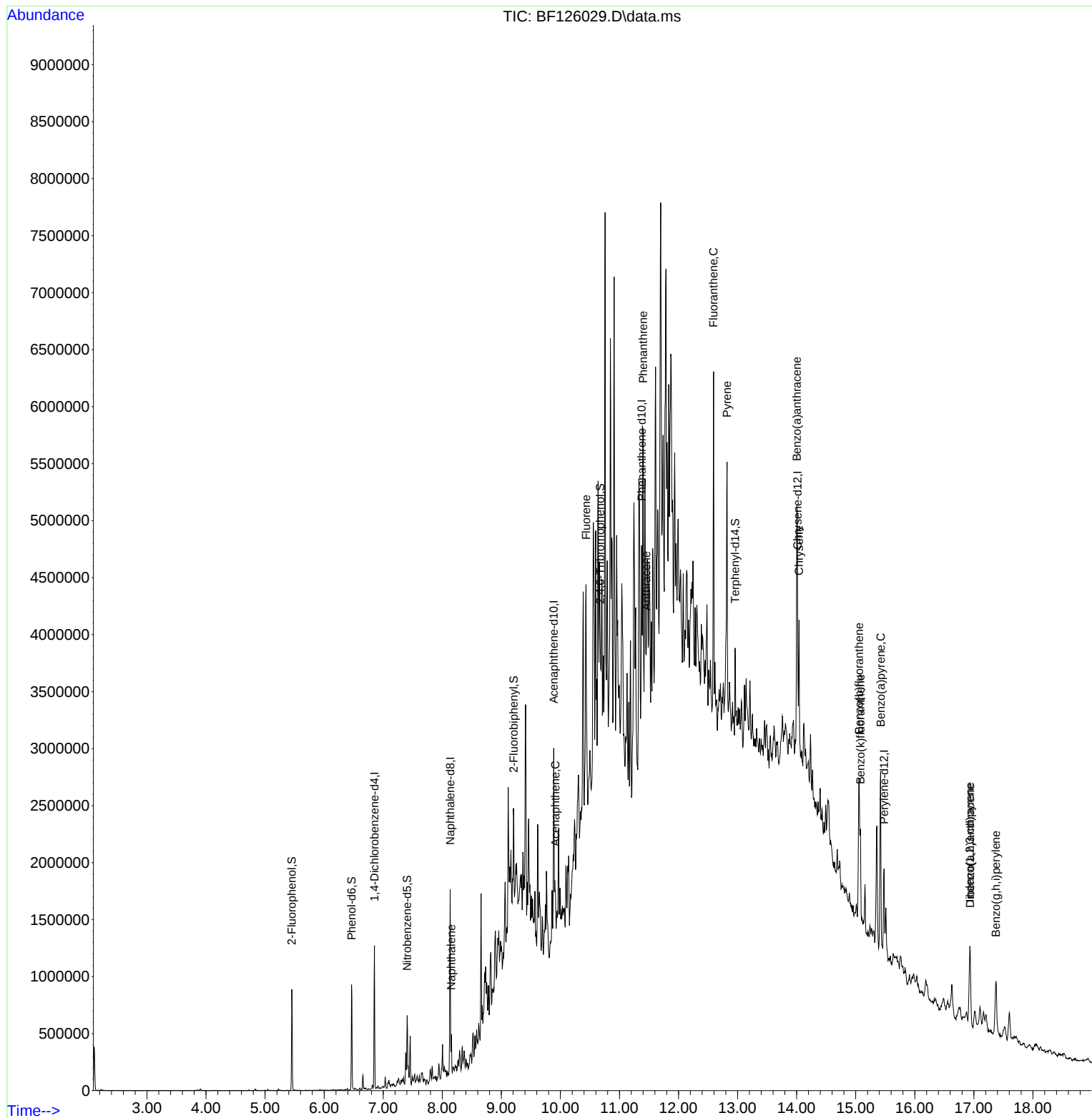
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110321\
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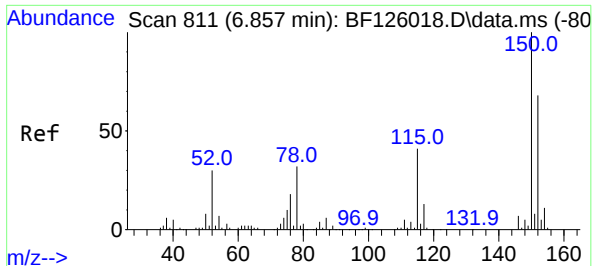
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Quant Time: Nov 04 10:11:29 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
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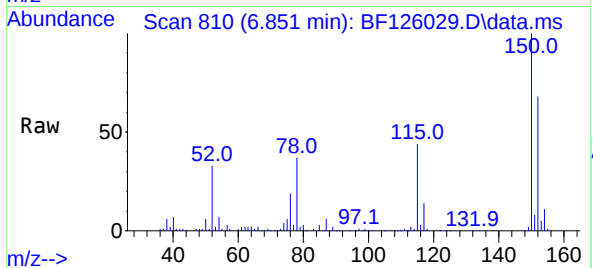
Reviewed By : Christian Giraldo 11/04/2021
 Supervised By : mohammad ahmed 11/08/2021





#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.851 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF126029.D
Acq: 3 Nov 2021 20:24

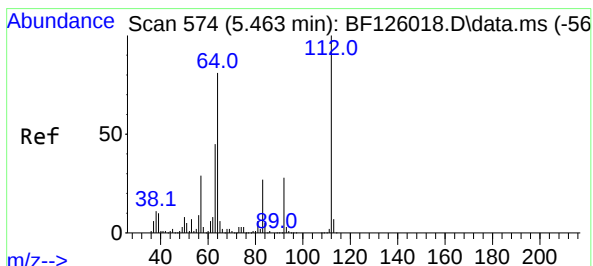
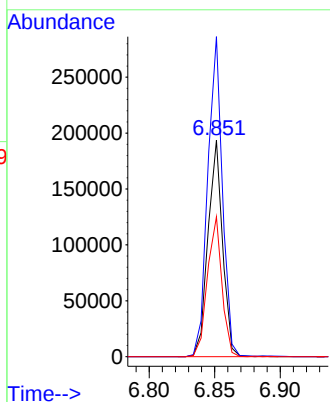
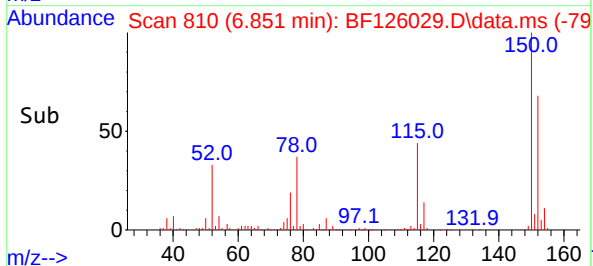
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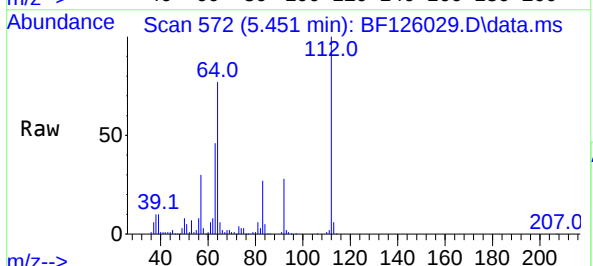
Tgt Ion:152 Resp: 149679
Ion Ratio Lower Upper
152 100
150 147.8 117.6 176.4
115 64.6 47.1 70.7

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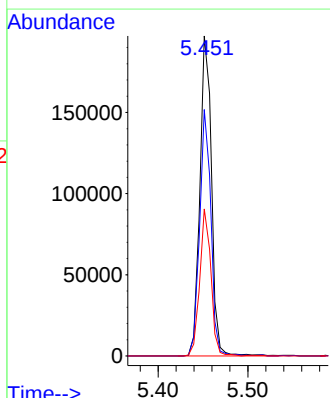
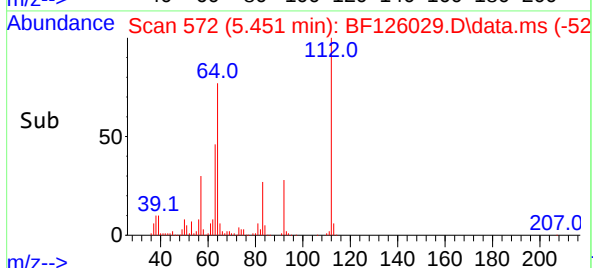
Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021

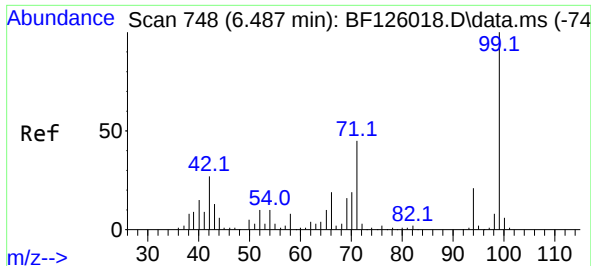


#5
2-Fluorophenol
Concen: 20.35 ng
RT: 5.451 min Scan# 572
Delta R.T. -0.012 min
Lab File: BF126029.D
Acq: 3 Nov 2021 20:24



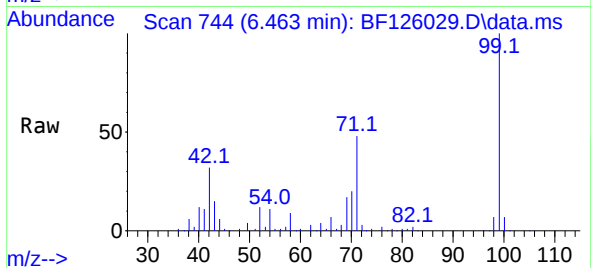
Tgt Ion:112 Resp: 177355
Ion Ratio Lower Upper
112 100
64 77.0 44.2 66.2#
63 46.0 26.2 39.2#





#7
Phenol-d6
Concen: 19.01 ng
RT: 6.463 min Scan# 74
Delta R.T. -0.024 min
Lab File: BF126029.D
Acq: 3 Nov 2021 20:24

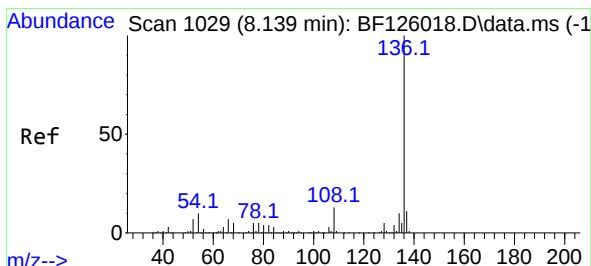
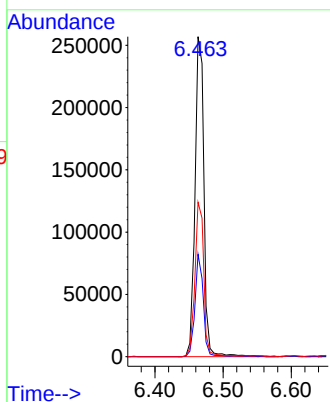
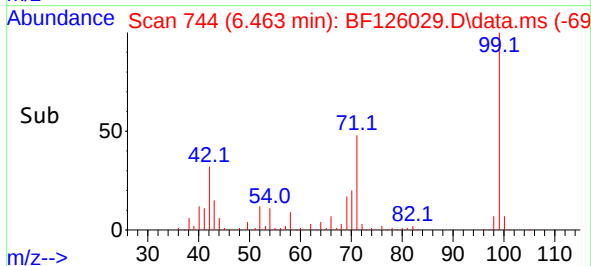
Instrument :
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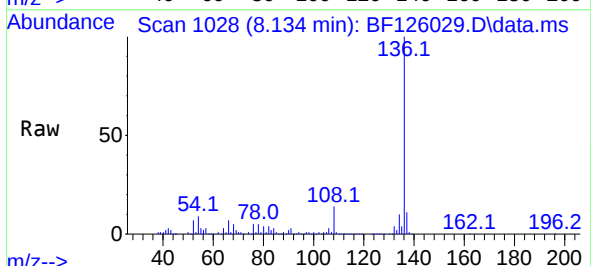
Tgt Ion: 99 Resp: 233620
Ion Ratio Lower Upper
99 100
42 32.0 23.5 35.3
71 48.2 25.6 38.4

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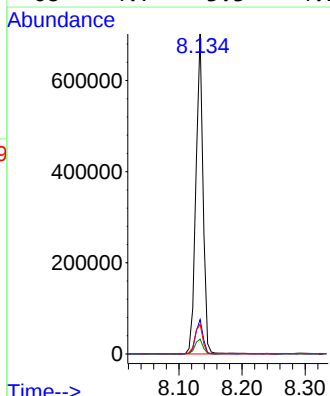
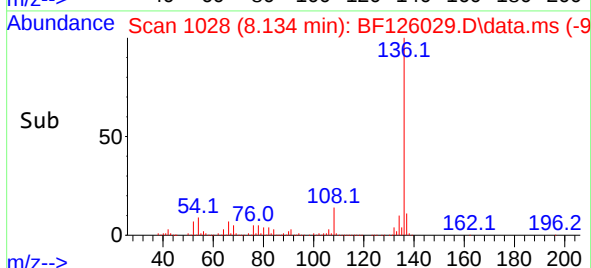
Reviewed By :Christian Giraldo 11/04/2021
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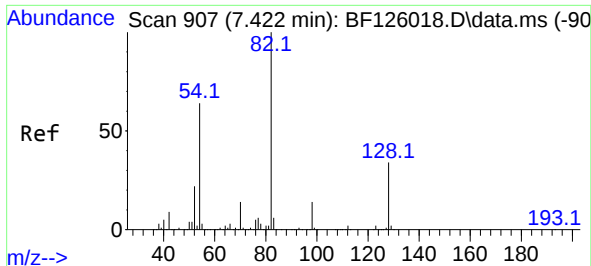


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.134 min Scan# 1028
Delta R.T. -0.005 min
Lab File: BF126029.D
Acq: 3 Nov 2021 20:24



Tgt Ion:136 Resp: 547471
Ion Ratio Lower Upper
136 100
137 10.8 9.8 14.6
54 9.3 6.4 9.6
68 4.7 3.3 4.9





#23

Nitrobenzene-d5

Concen: 13.99 ng

RT: 7.404 min Scan# 907

Delta R.T. -0.018 min

Lab File: BF126029.D

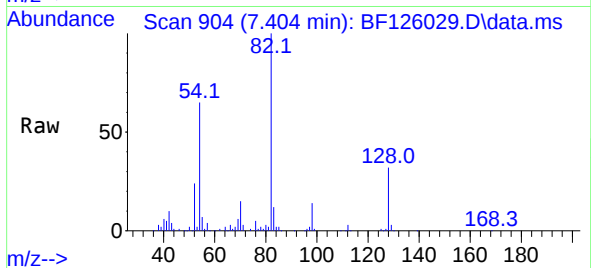
Acq: 3 Nov 2021 20:24

Instrument :

BNA_F

ClientSampleId :

D20211029



Tgt Ion: 82 Resp: 162400

Ion Ratio Lower Upper

82 100

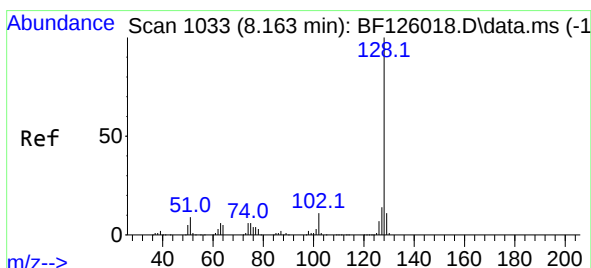
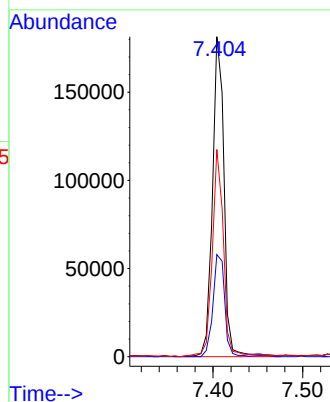
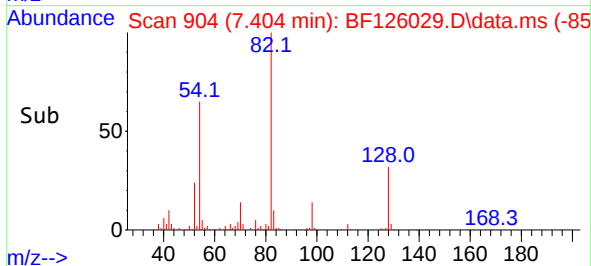
128 31.9 40.6 60.8

54 64.7 49.6 74.4

Manual Integrations

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#31

Naphthalene

Concen: 4.40 ng

RT: 8.151 min Scan# 1031

Delta R.T. -0.012 min

Lab File: BF126029.D

Acq: 3 Nov 2021 20:24

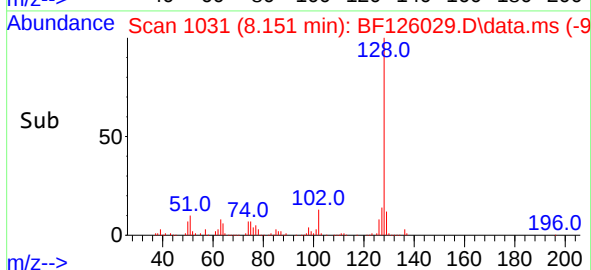
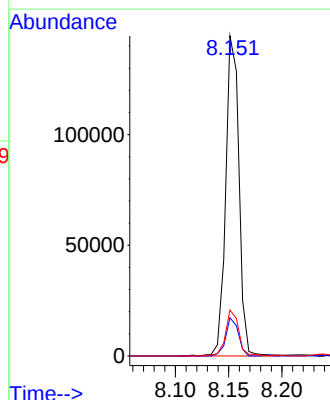
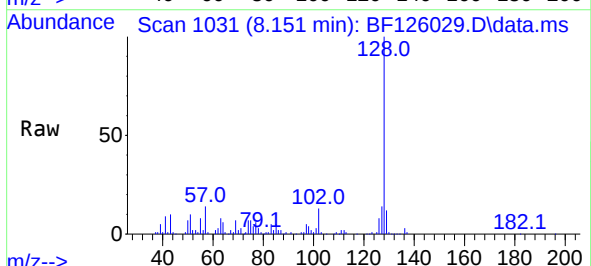
Tgt Ion:128 Resp: 124862

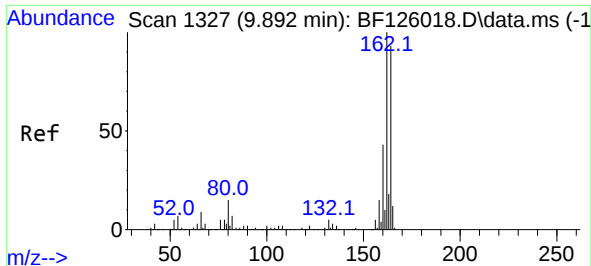
Ion Ratio Lower Upper

128 100

129 11.9 9.4 14.0

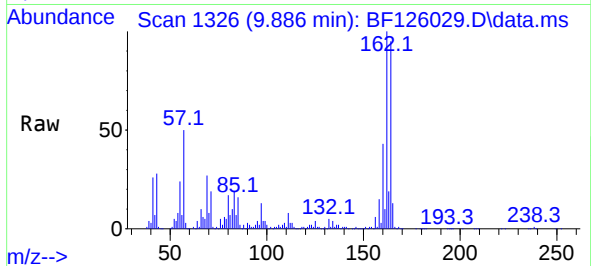
127 14.3 10.9 16.3





#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.886 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126029.D
Acq: 3 Nov 2021 20:24

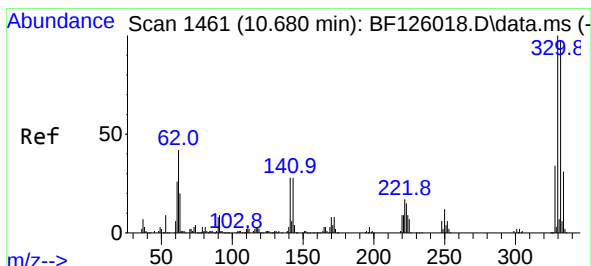
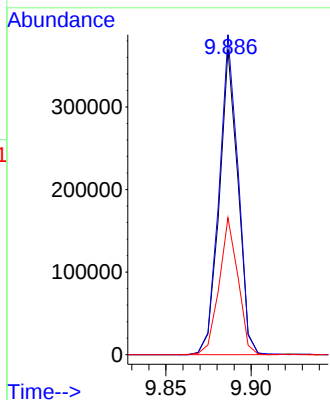
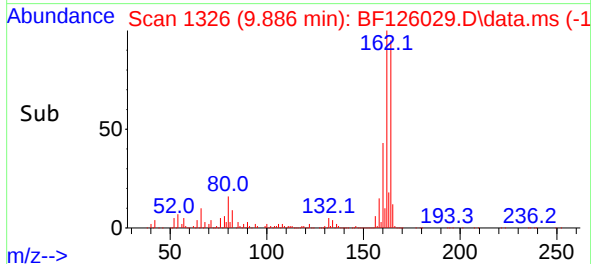
Instrument :
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ClientSampleId :
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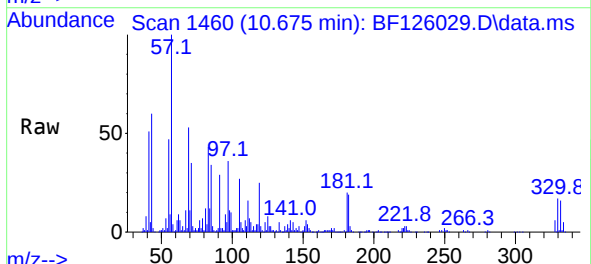
Tgt Ion:164 Resp: 28165
Ion Ratio Lower Upper
164 100
162 104.8 81.3 121.9
160 44.9 38.0 57.0

Manual Integrations
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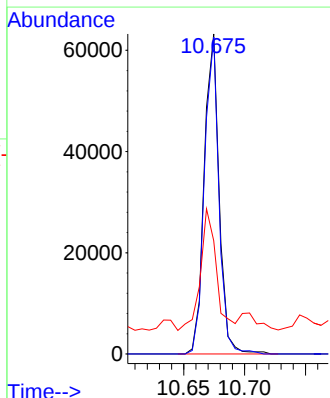
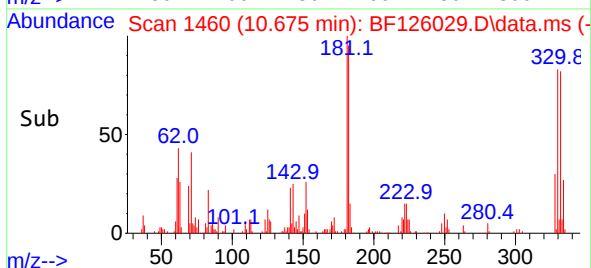
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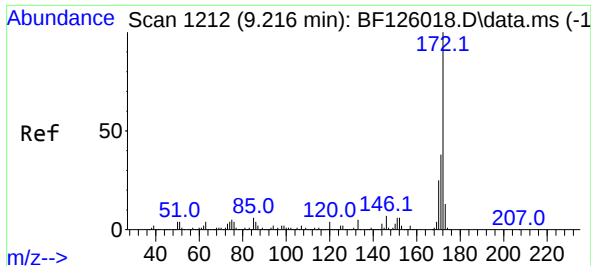


#42
2,4,6-Tribromophenol
Concen: 16.60 ng
RT: 10.675 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF126029.D
Acq: 3 Nov 2021 20:24



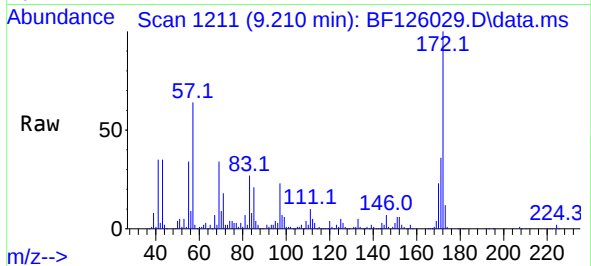
Tgt Ion:330 Resp: 53596
Ion Ratio Lower Upper
330 100
332 96.0 76.2 114.4
141 40.1 44.6 66.8#





#45
2-Fluorobiphenyl
Concen: 14.43 ng
RT: 9.210 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126029.D
Acq: 3 Nov 2021 20:24

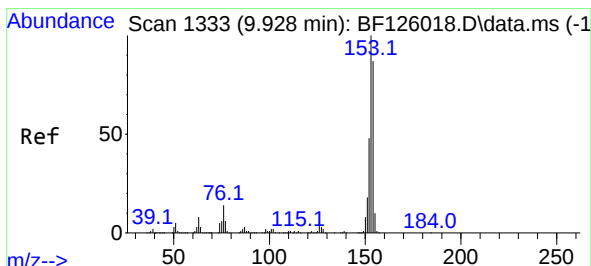
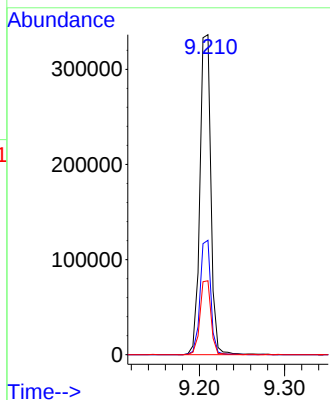
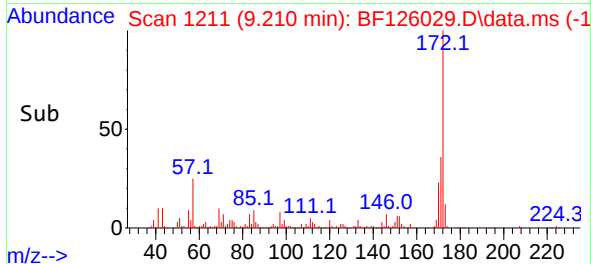
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Tgt Ion:172 Resp: 30075
Ion Ratio Lower Upper
172 100
171 35.8 26.5 39.7
170 23.1 18.8 28.2

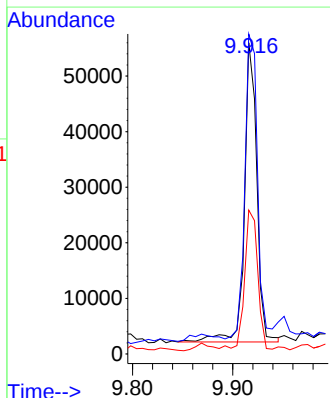
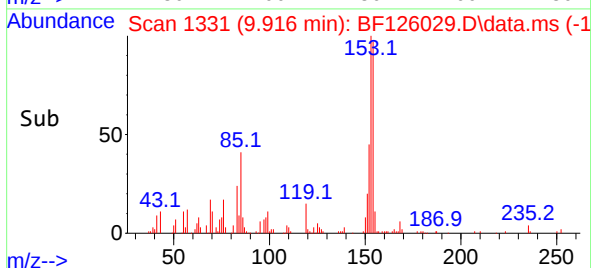
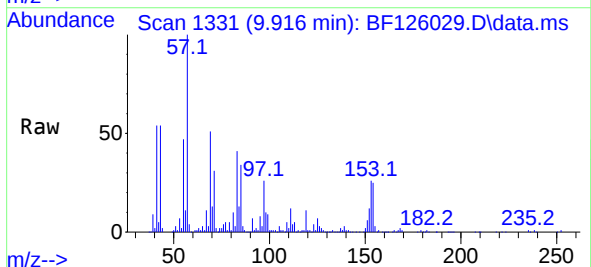
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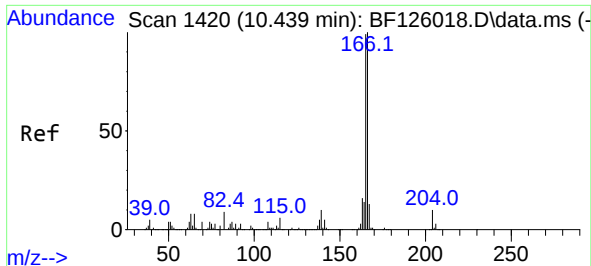
Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021



#52
Acenaphthene
Concen: 2.84 ng
RT: 9.916 min Scan# 1331
Delta R.T. -0.012 min
Lab File: BF126029.D
Acq: 3 Nov 2021 20:24

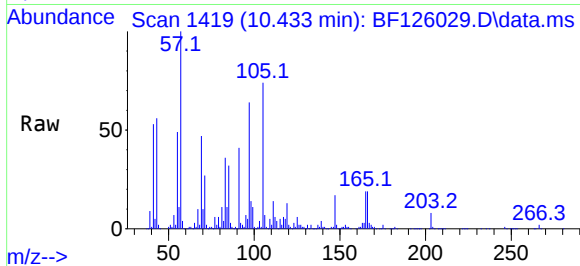
Tgt Ion:154 Resp: 46365
Ion Ratio Lower Upper
154 100
153 102.8 89.4 134.2
152 46.2 40.5 60.7





#58
Fluorene
Concen: 3.52 ng
RT: 10.433 min Scan# 1420
Delta R.T. -0.006 min
Lab File: BF126029.D
Acq: 3 Nov 2021 20:24

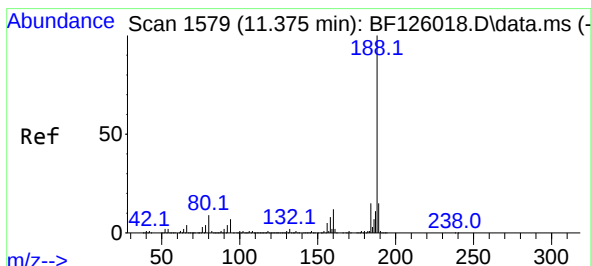
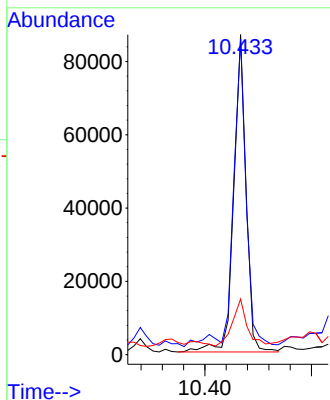
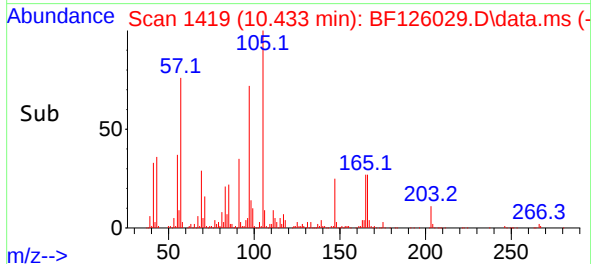
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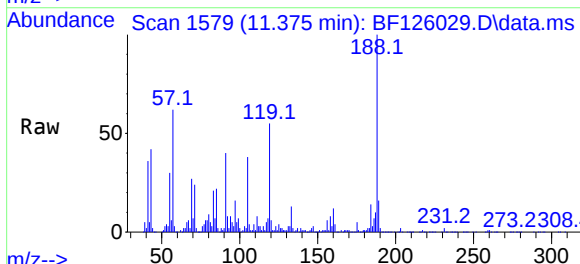
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Ion Ratio Lower Upper
166 100
165 98.6 78.1 117.1
167 17.4 11.1 16.7

Manual Integrations
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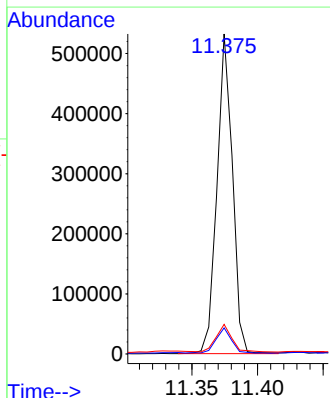
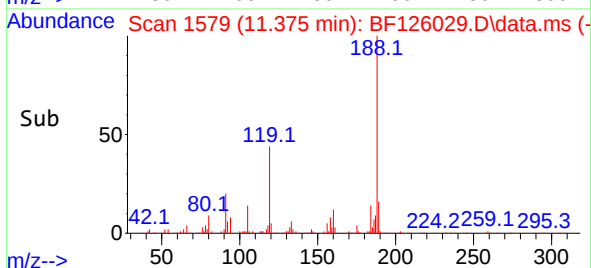
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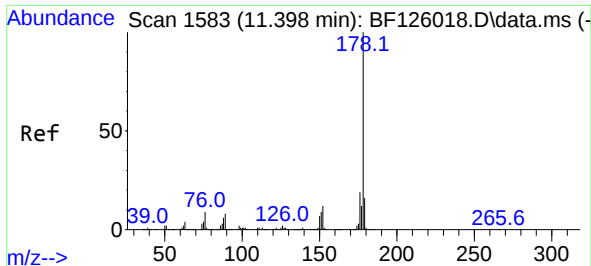


#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.375 min Scan# 1579
Delta R.T. -0.000 min
Lab File: BF126029.D
Acq: 3 Nov 2021 20:24



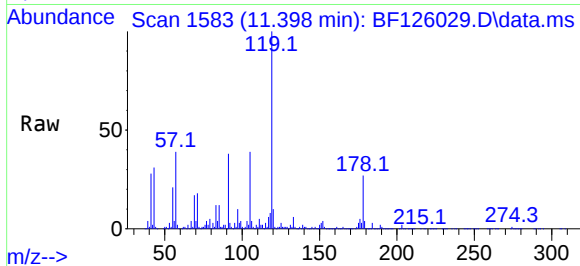
Tgt Ion:188 Resp: 435228
Ion Ratio Lower Upper
188 100
94 8.2 6.7 10.1
80 9.3 7.5 11.3





#71
Phenanthrene
Concen: 7.89 ng
RT: 11.398 min Scan# 1583
Delta R.T. 0.000 min
Lab File: BF126029.D
Acq: 3 Nov 2021 20:24

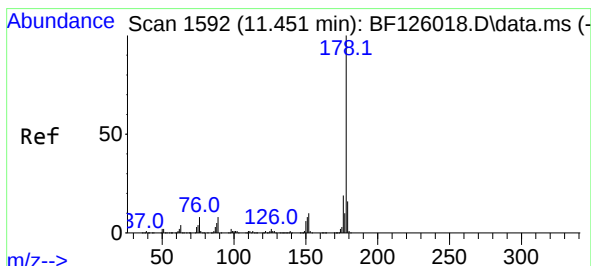
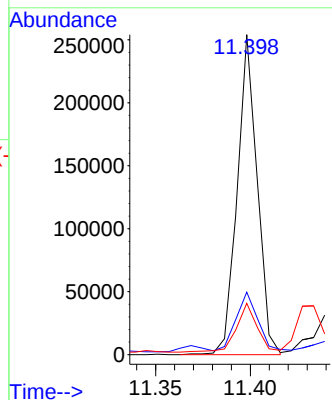
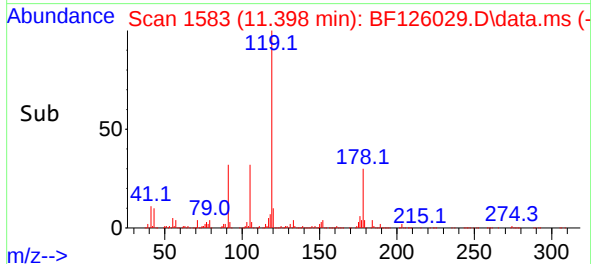
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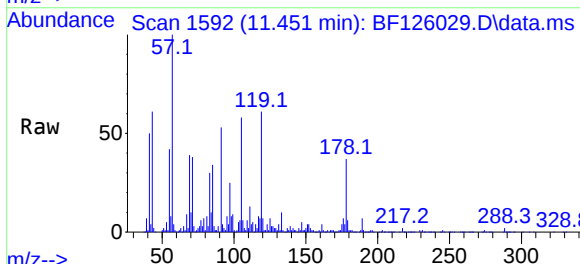
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Ion Ratio Lower Upper
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179 16.0 11.5 17.3

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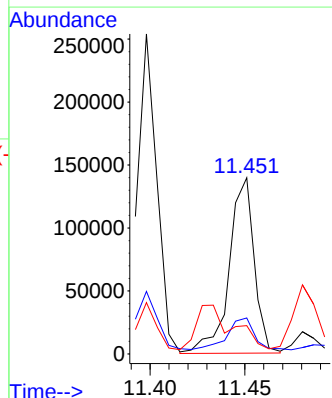
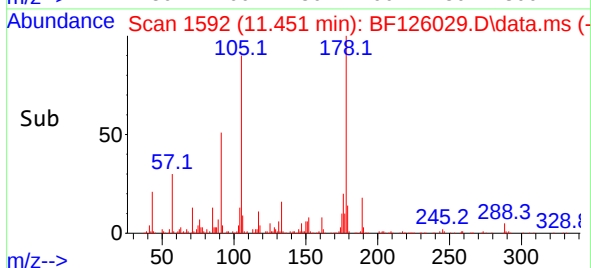
Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021

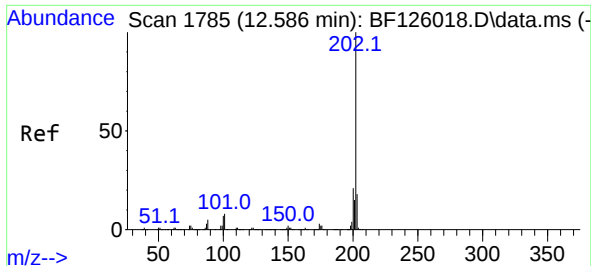


#72
Anthracene
Concen: 5.46 ng
RT: 11.451 min Scan# 1592
Delta R.T. 0.000 min
Lab File: BF126029.D
Acq: 3 Nov 2021 20:24



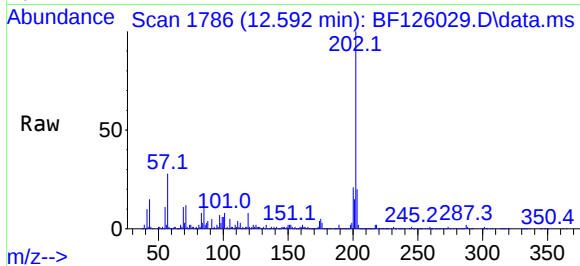
Tgt Ion:178 Resp: 128632
Ion Ratio Lower Upper
178 100
176 20.4 14.3 21.5
179 16.1 12.2 18.4





#75
Fluoranthene
Concen: 42.69 ng
RT: 12.592 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF126029.D
Acq: 3 Nov 2021 20:24

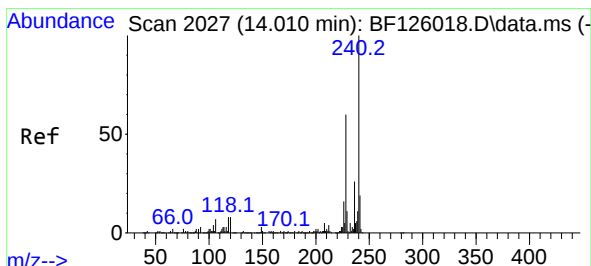
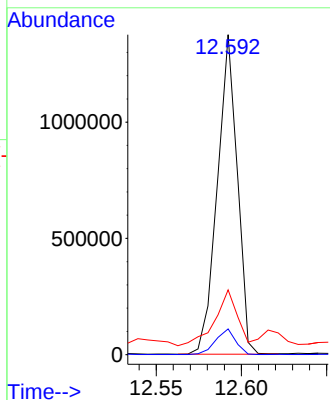
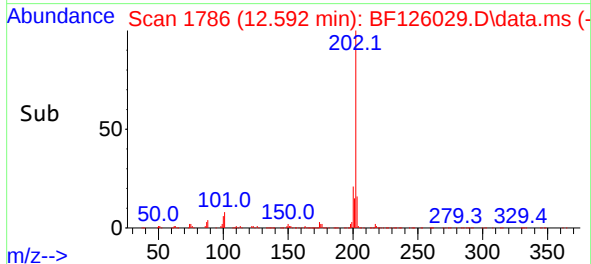
Instrument :
BNA_F
ClientSampleId :
D20211029



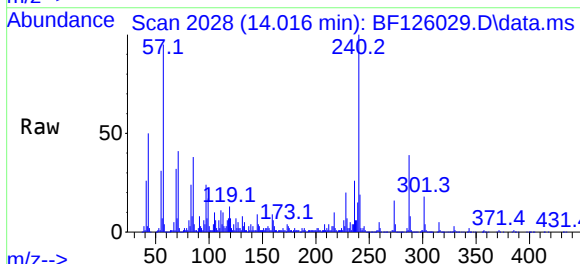
Tgt Ion:202 Resp: 112199
Ion Ratio Lower Upper
202 100
101 8.0 0.0 30.7
203 20.2 0.0 36.3

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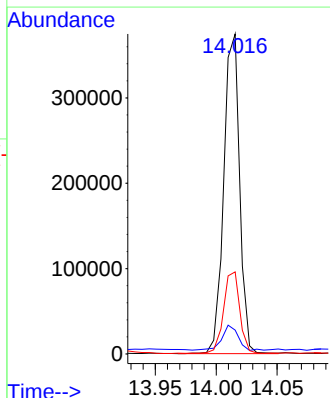
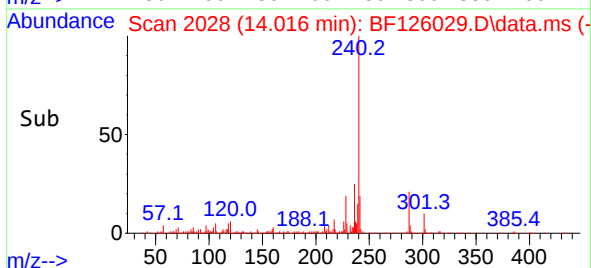
Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021

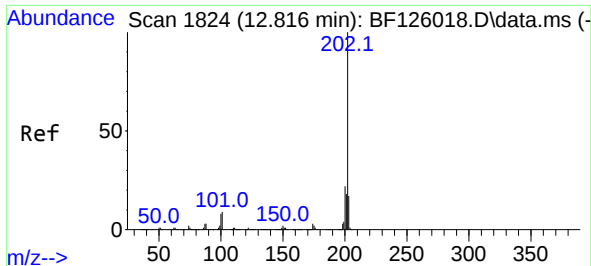


#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.016 min Scan# 2028
Delta R.T. 0.006 min
Lab File: BF126029.D
Acq: 3 Nov 2021 20:24



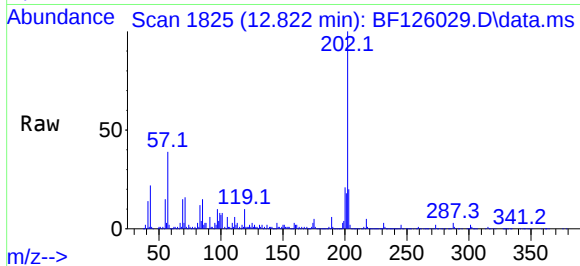
Tgt Ion:240 Resp: 340617
Ion Ratio Lower Upper
240 100
120 7.4 10.8 16.2#
236 25.6 21.6 32.4





#78
Pyrene
Concen: 33.36 ng
RT: 12.822 min Scan# 1824
Delta R.T. 0.006 min
Lab File: BF126029.D
Acq: 3 Nov 2021 20:24

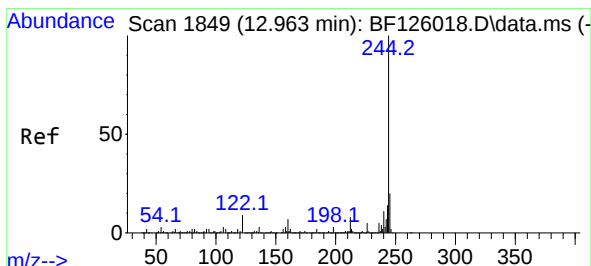
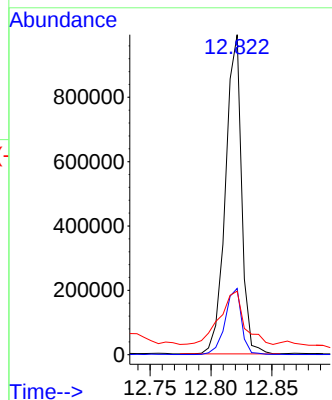
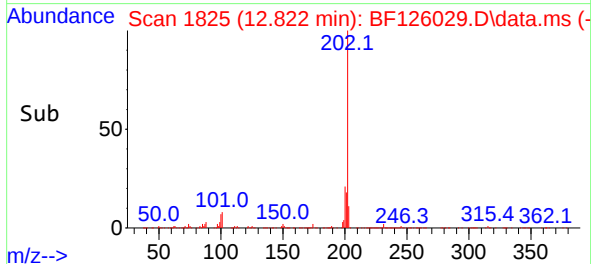
Instrument :
BNA_F
ClientSampleId :
D20211029



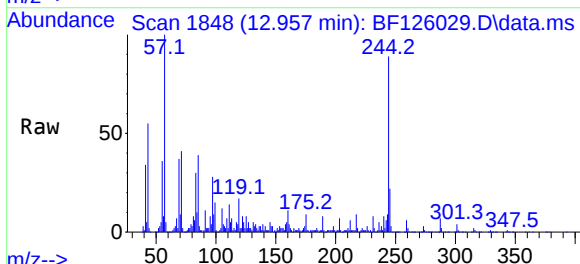
Tgt Ion:202 Resp: 91115
Ion Ratio Lower Upper
202 100
200 20.7 15.3 22.9
203 19.8 13.4 20.0

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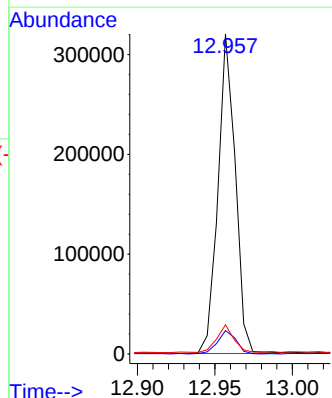
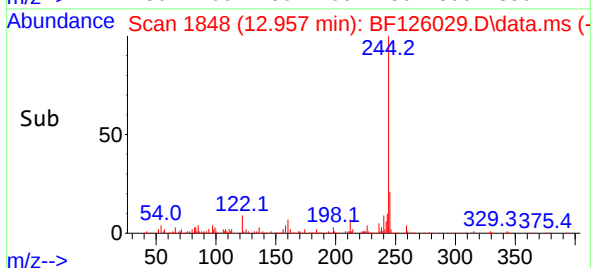
Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021

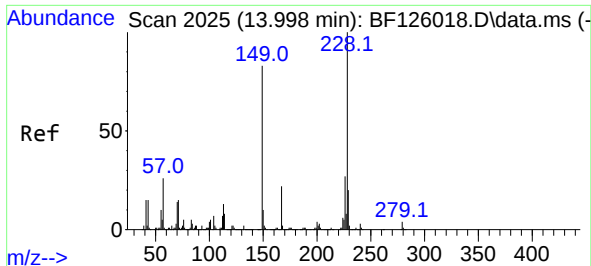


#79
Terphenyl-d14
Concen: 11.78 ng
RT: 12.957 min Scan# 1848
Delta R.T. -0.006 min
Lab File: BF126029.D
Acq: 3 Nov 2021 20:24



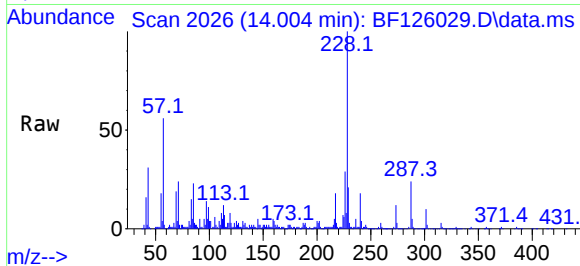
Tgt Ion:244 Resp: 248928
Ion Ratio Lower Upper
244 100
212 7.3 5.9 8.9
122 9.1 9.0 13.4





#81
Benzo(a)anthracene
Concen: 25.73 ng
RT: 14.004 min Scan# 2026
Delta R.T. 0.006 min
Lab File: BF126029.D
Acq: 3 Nov 2021 20:24

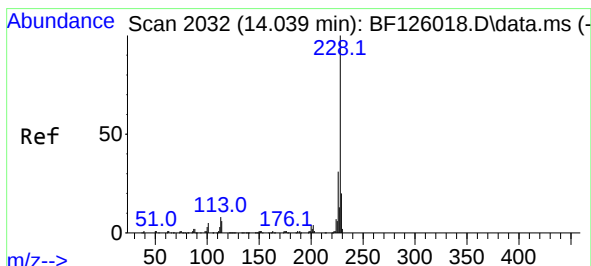
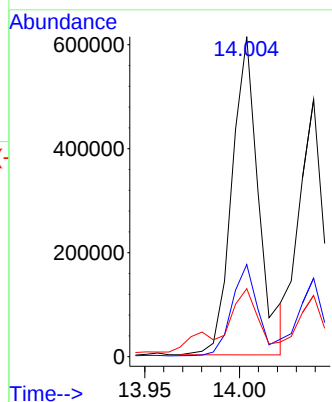
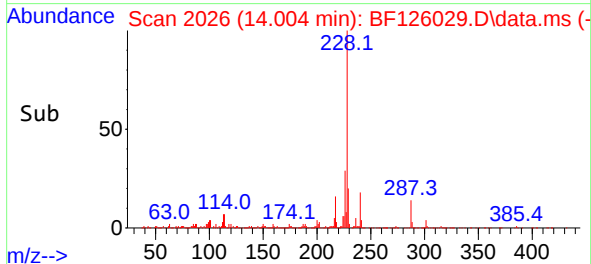
Instrument :
BNA_F
ClientSampleId :
D20211029



Tgt Ion:228 Resp: 601988
Ion Ratio Lower Upper
228 100
226 28.8 21.6 32.4
229 21.3 15.6 23.4

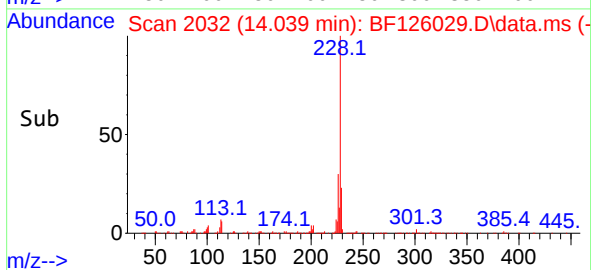
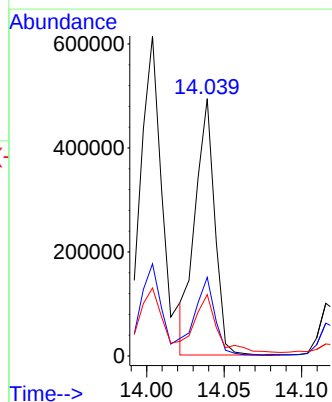
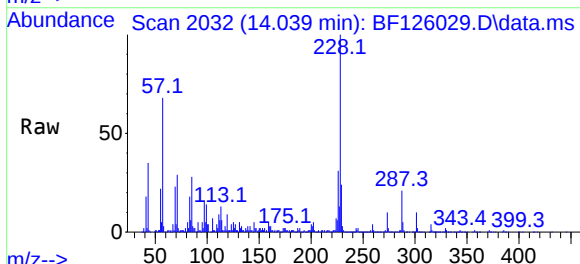
Manual Integrations
APPROVED

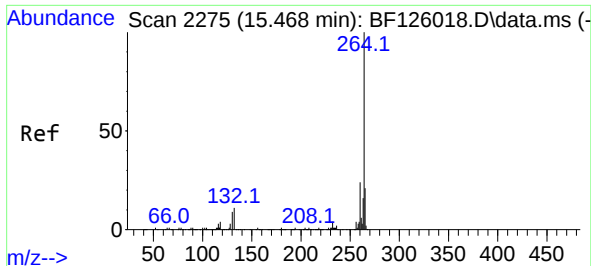
Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021



#83
Chrysene
Concen: 19.87 ng
RT: 14.039 min Scan# 2032
Delta R.T. 0.000 min
Lab File: BF126029.D
Acq: 3 Nov 2021 20:24

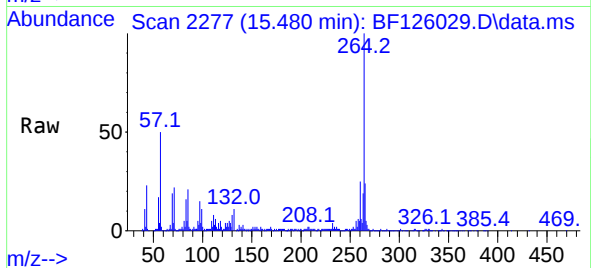
Tgt Ion:228 Resp: 432574
Ion Ratio Lower Upper
228 100
226 30.5 22.6 34.0
229 23.8 15.9 23.9





#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.480 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: BF126029.D
 Acq: 3 Nov 2021 20:24

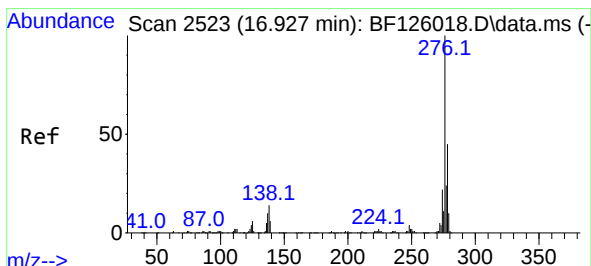
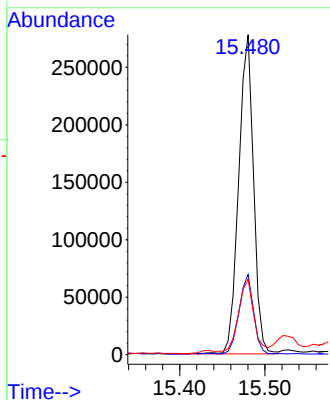
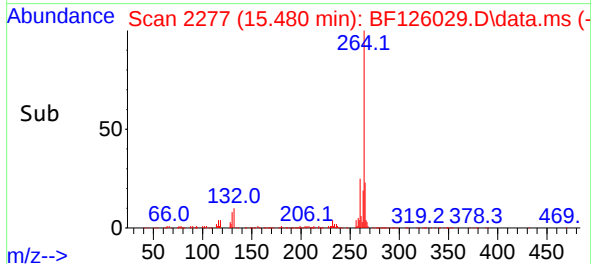
Instrument :
 BNA_F
 ClientSampleId :
 D20211029



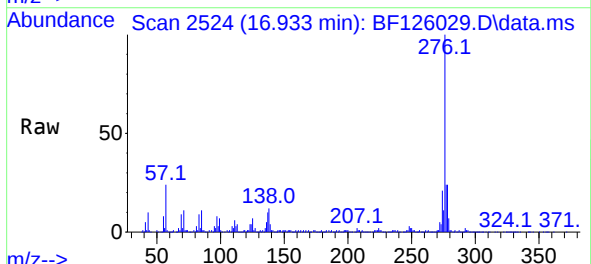
Tgt Ion:264 Resp: 337944
 Ion Ratio Lower Upper
 264 100
 260 25.0 19.6 29.4
 265 23.6 17.2 25.8

Manual Integrations
 APPROVED

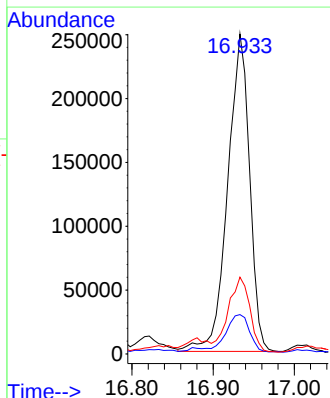
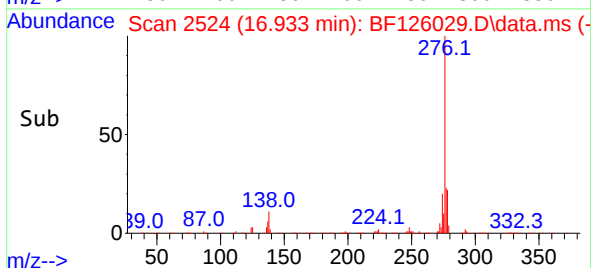
Reviewed By :Christian Giraldo 11/04/2021
 Supervised By :mohammad ahmed 11/08/2021

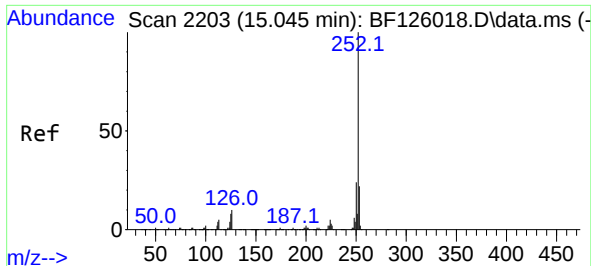


#87
 Indeno(1,2,3-cd)pyrene
 Concen: 23.29 ng
 RT: 16.933 min Scan# 2524
 Delta R.T. 0.006 min
 Lab File: BF126029.D
 Acq: 3 Nov 2021 20:24



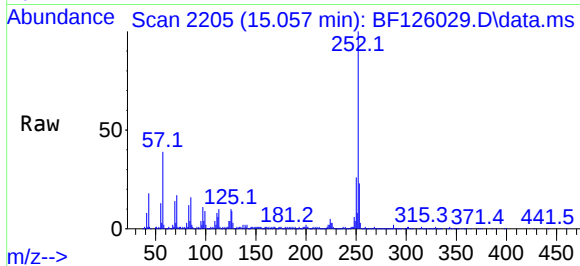
Tgt Ion:276 Resp: 465905
 Ion Ratio Lower Upper
 276 100
 138 12.5 24.1 36.1#
 277 23.4 18.8 28.2





#88
Benzo(b)fluoranthene
Concen: 35.52 ng m
RT: 15.057 min Scan# 2203
Delta R.T. 0.012 min
Lab File: BF126029.D
Acq: 3 Nov 2021 20:24

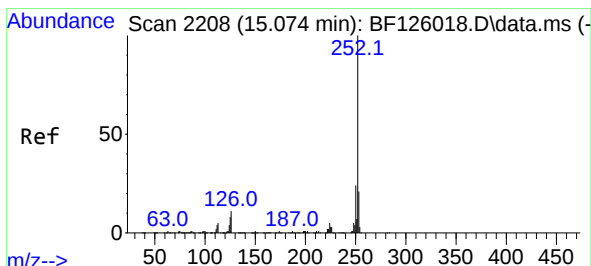
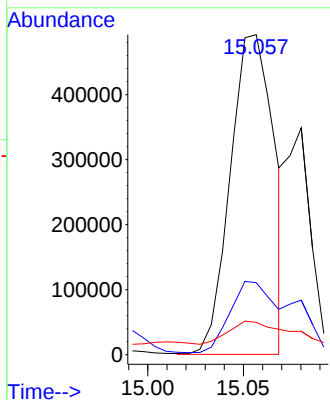
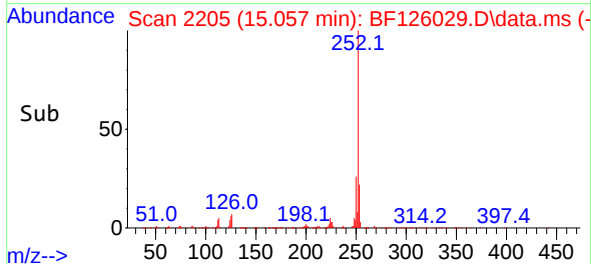
Instrument :
BNA_F
ClientSampleId :
D20211029



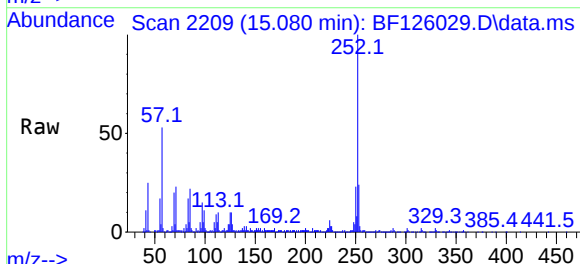
Tgt Ion:252 Resp: 780870
Ion Ratio Lower Upper
252 100
253 22.5 16.8 25.2
125 10.1 9.8 14.8

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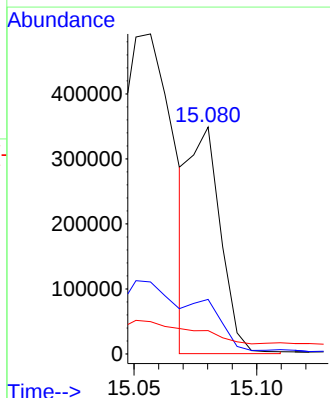
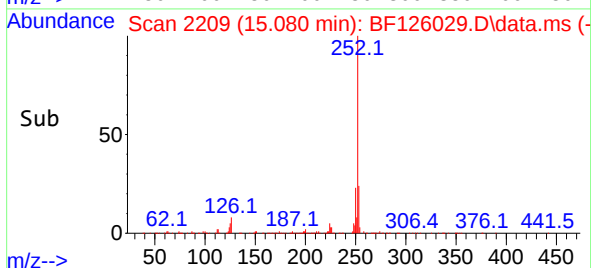
Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021

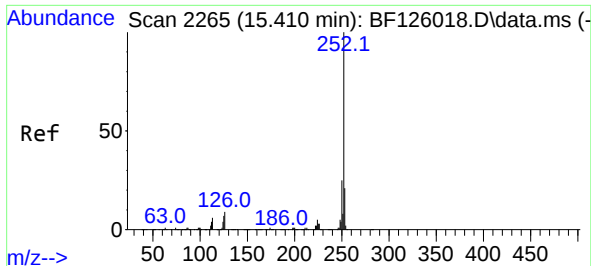


#89
Benzo(k)fluoranthene
Concen: 14.27 ng m
RT: 15.080 min Scan# 2209
Delta R.T. 0.006 min
Lab File: BF126029.D
Acq: 3 Nov 2021 20:24



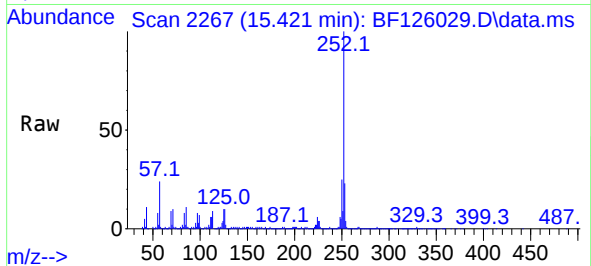
Tgt Ion:252 Resp: 304231
Ion Ratio Lower Upper
252 100
253 24.1 17.8 26.8
125 10.3 7.2 10.8





#90
Benzo(a)pyrene
Concen: 43.83 ng m
RT: 15.421 min Scan# 21
Delta R.T. 0.011 min
Lab File: BF126029.D
Acq: 3 Nov 2021 20:24

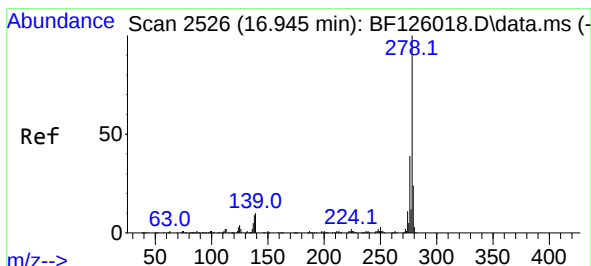
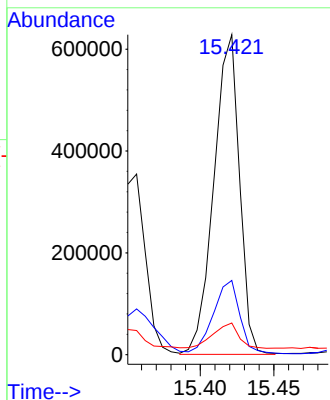
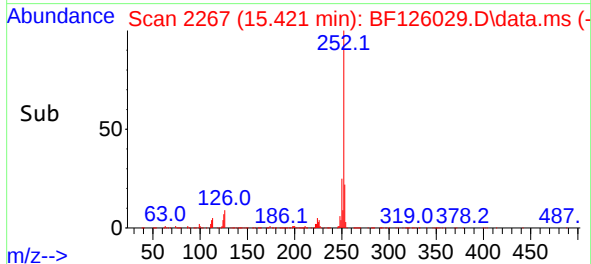
Instrument :
BNA_F
ClientSampleId :
D20211029



Tgt Ion:252 Resp: 759104
Ion Ratio Lower Upper
252 100
253 23.2 18.4 27.6
125 9.9 9.9 14.9

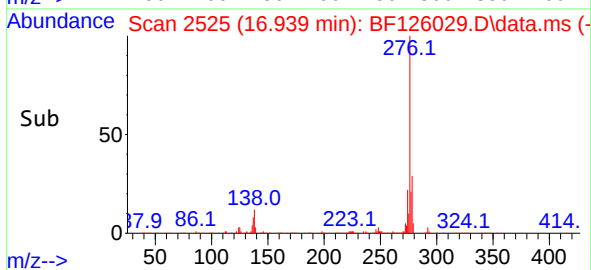
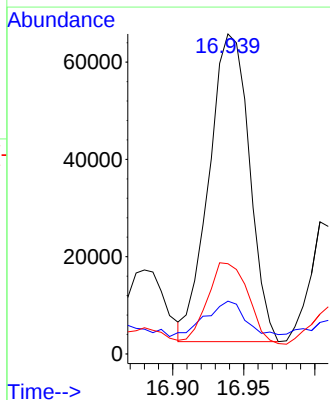
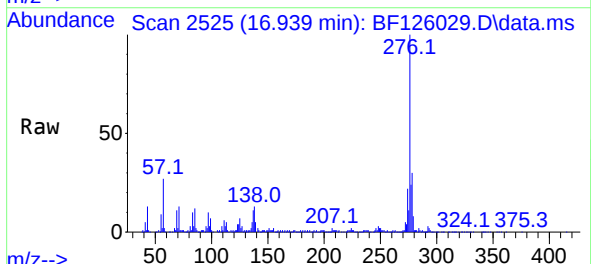
Manual Integrations
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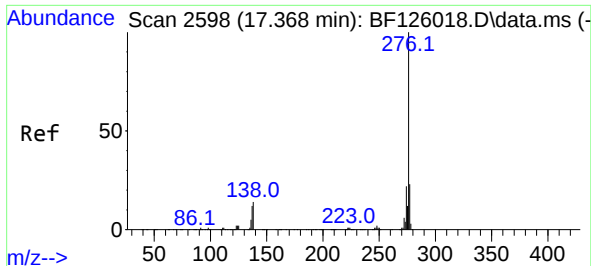
Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021



#91
Dibenzo(a,h)anthracene
Concen: 7.62 ng
RT: 16.939 min Scan# 2525
Delta R.T. -0.006 min
Lab File: BF126029.D
Acq: 3 Nov 2021 20:24

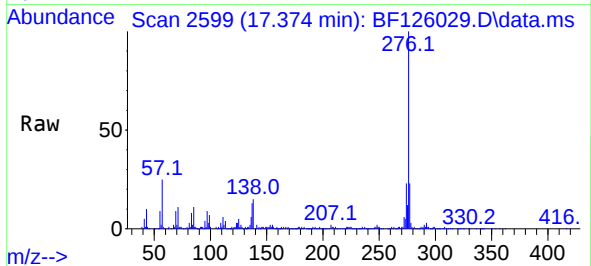
Tgt Ion:278 Resp: 125270
Ion Ratio Lower Upper
278 100
139 16.5 14.9 22.3
279 28.2 19.7 29.5





#92
Benzo(g,h,i)perylene
Concen: 25.99 ng
RT: 17.374 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF126029.D
Acq: 3 Nov 2021 20:24

Instrument :
BNA_F
ClientSampleId :
D20211029



Tgt Ion:276 Resp: 409524
Ion Ratio Lower Upper
276 100
277 22.7 22.0 33.0
138 15.0 22.2 33.4

Manual Integrations
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Supervised By :mohammad ahmed 11/08/2021

