

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110321\
 Data File : BF126026.D
 Acq On : 3 Nov 2021 18:48
 Operator : JU/CG
 Sample : M4427-02 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FDR-BH-5-20211029-6.5-7

Quant Time: Nov 04 10:10:12 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 : Christian Giraldo 11/04/2021
 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	146374	20.00	ng	0.00
21) Naphthalene-d8	8.133	136	517969	20.00	ng	# 0.00
39) Acenaphthene-d10	9.886	164	271556	20.00	ng	0.00
64) Phenanthrene-d10	11.374	188	443861	20.00	ng	0.00
76) Chrysene-d12	14.015	240	342409	20.00	ng	# 0.00
86) Perylene-d12	15.480	264	351204	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	171959	20.17	ng	-0.01
7) Phenol-d6	6.463	99	228245	19.00	ng	-0.02
23) Nitrobenzene-d5	7.404	82	163253	14.86	ng	-0.02
42) 2,4,6-Tribromophenol	10.674	330	55732	17.91	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	273871	13.63	ng	0.00
79) Terphenyl-d14	12.963	244	236635	11.14	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.398	178	94055	3.91	ng	# 89
75) Fluoranthene	12.592	202	277927	10.37	ng	72
78) Pyrene	12.821	202	357251	13.01	ng	# 83
81) Benzo(a)anthracene	14.004	228	339154	14.42	ng	94
83) Chrysene	14.039	228	267342	12.21	ng	96
87) Indeno(1,2,3-cd)pyrene	16.927	276	256956	12.36	ng	# 82
88) Benzo(b)fluoranthene	15.051	252	472314m	20.68	ng	
89) Benzo(k)fluoranthene	15.074	252	147768m	6.67	ng	
90) Benzo(a)pyrene	15.415	252	404450	22.47	ng	99
91) Dibenzo(a,h)anthracene	16.933	278	72099m	4.22	ng	
92) Benzo(g,h,i)perylene	17.368	276	223101	13.62	ng	# 80

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

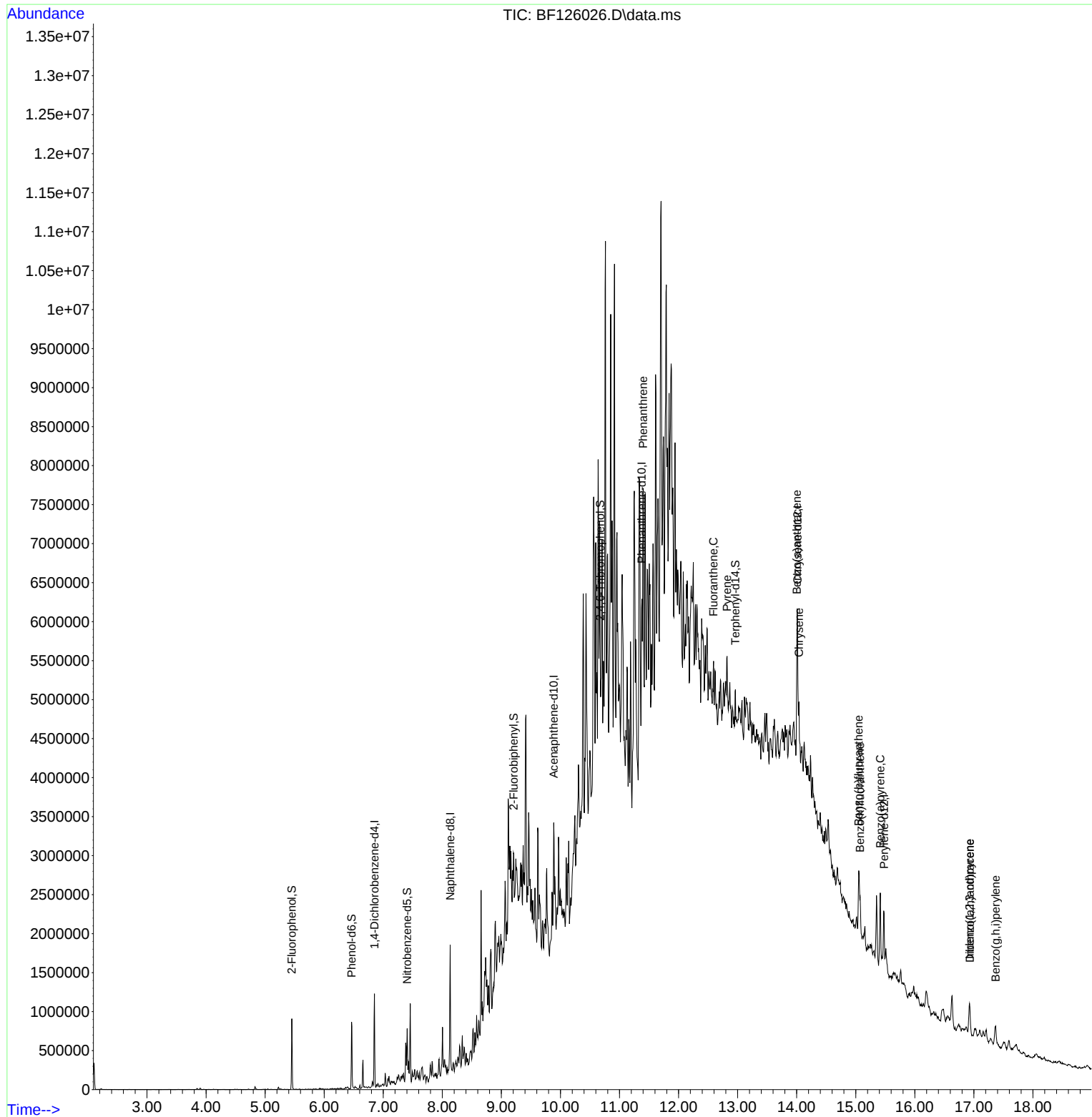
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110321\
Data File : BF126026.D
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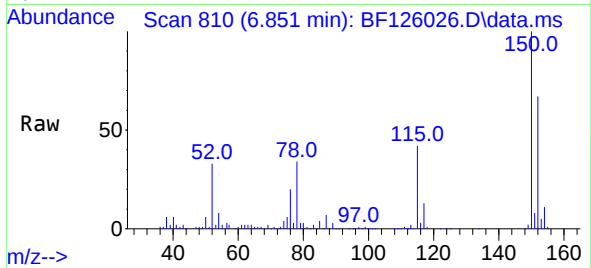
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Supervised By :mohammad ahmed 11/08/2021





#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.851 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF126026.D
Acq: 3 Nov 2021 18:48

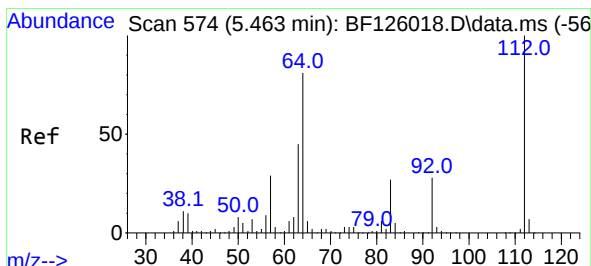
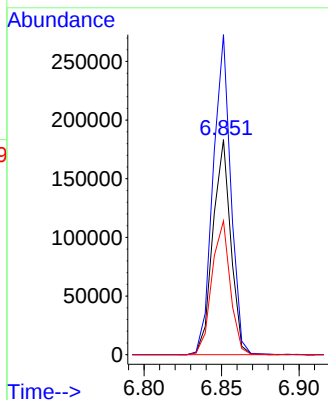
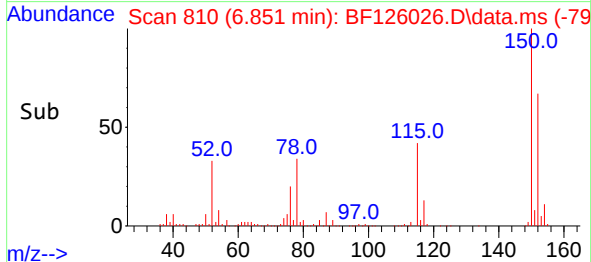
Instrument :
BNA_F
ClientSampleId :
FDR-BH-5-20211029-6.5-7



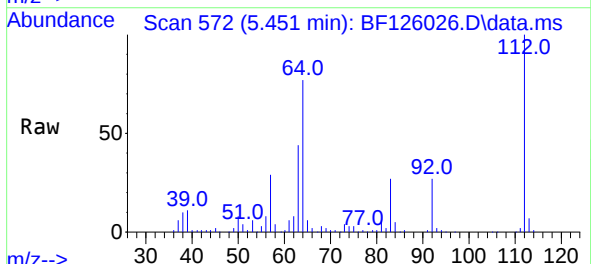
Tgt Ion:152 Resp: 146374
Ion Ratio Lower Upper
152 100
150 148.8 117.6 176.4
115 62.2 47.1 70.7

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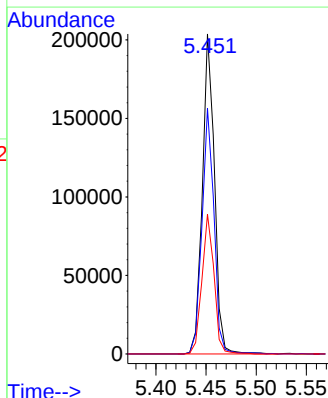
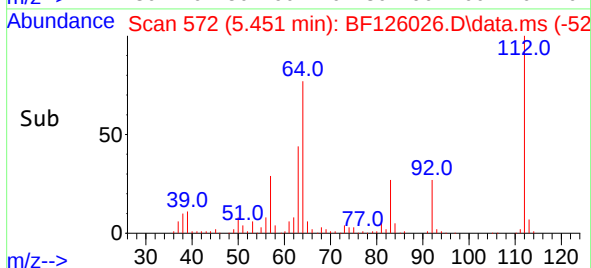
Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021

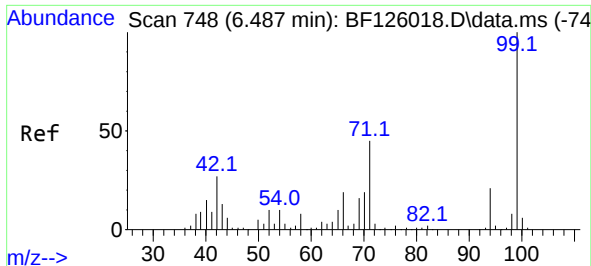


#5
2-Fluorophenol
Concen: 20.17 ng
RT: 5.451 min Scan# 572
Delta R.T. -0.012 min
Lab File: BF126026.D
Acq: 3 Nov 2021 18:48



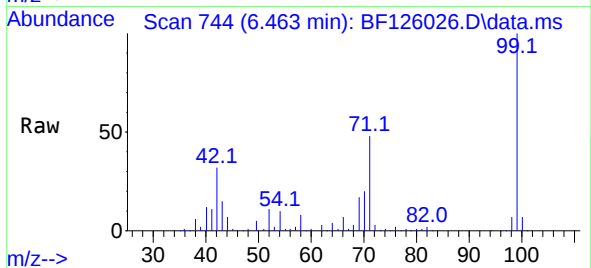
Tgt Ion:112 Resp: 171959
Ion Ratio Lower Upper
112 100
64 76.7 44.2 66.2#
63 43.7 26.2 39.2#





#7
Phenol-d6
Concen: 19.00 ng
RT: 6.463 min Scan# 74
Delta R.T. -0.024 min
Lab File: BF126026.D
Acq: 3 Nov 2021 18:48

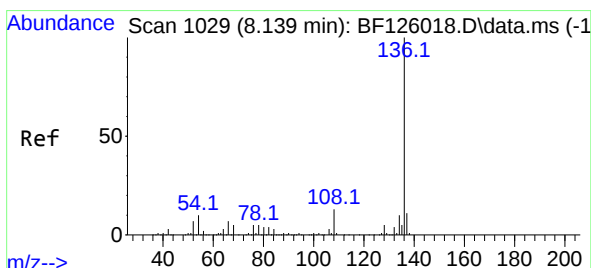
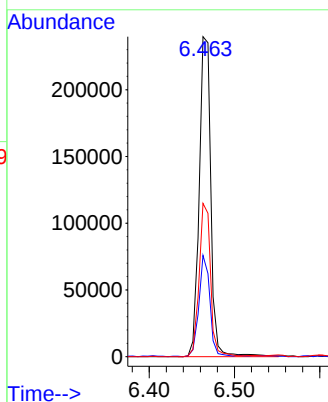
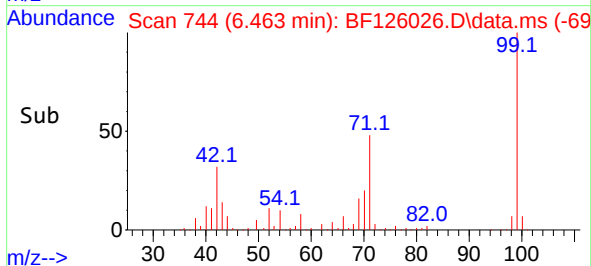
Instrument :
BNA_F
ClientSampleId :
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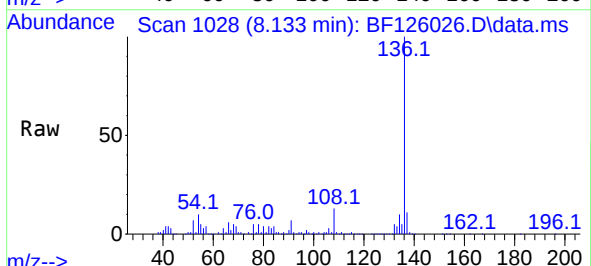
Tgt Ion: 99 Resp: 22824
Ion Ratio Lower Upper
99 100
42 31.6 23.5 35.3
71 47.9 25.6 38.4

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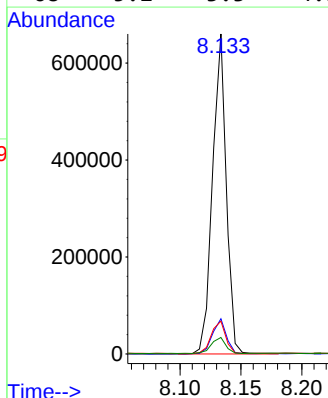
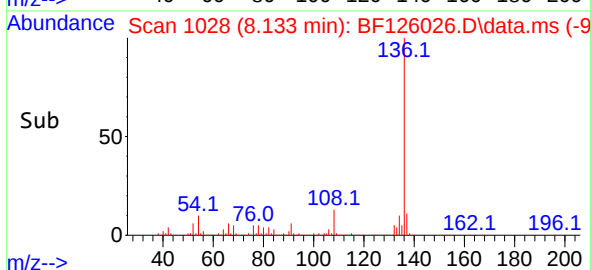
Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.133 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF126026.D
Acq: 3 Nov 2021 18:48



Tgt Ion:136 Resp: 517969
Ion Ratio Lower Upper
136 100
137 11.0 9.8 14.6
54 10.3 6.4 9.6#
68 5.2 3.3 4.9#





#23

Nitrobenzene-d5

Concen: 14.86 ng

RT: 7.404 min Scan# 907

Delta R.T. -0.018 min

Lab File: BF126026.D

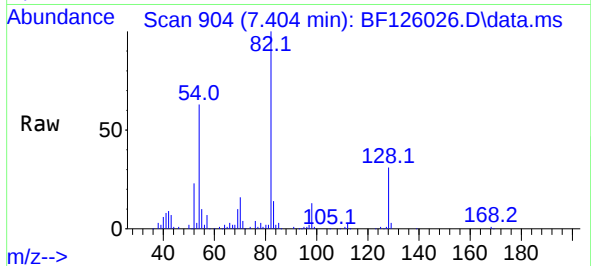
Acq: 3 Nov 2021 18:48

Instrument :

BNA_F

ClientSampleId :

FDR-BH-5-20211029-6.5-7



Tgt Ion: 82 Resp: 16325

Ion Ratio Lower Upper

82 100

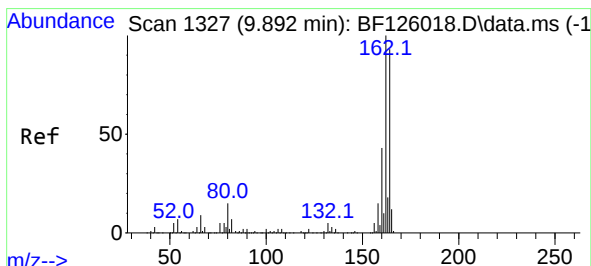
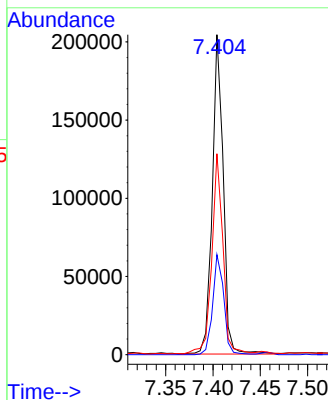
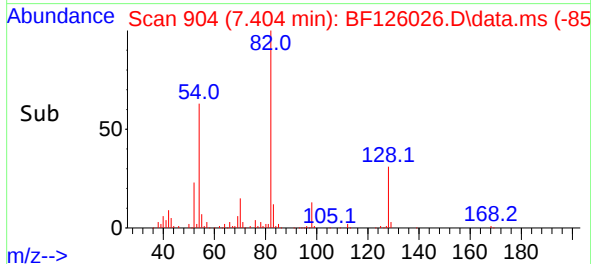
128 31.2 40.6 60.8

54 62.8 49.6 74.4

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.886 min Scan# 1326

Delta R.T. -0.006 min

Lab File: BF126026.D

Acq: 3 Nov 2021 18:48

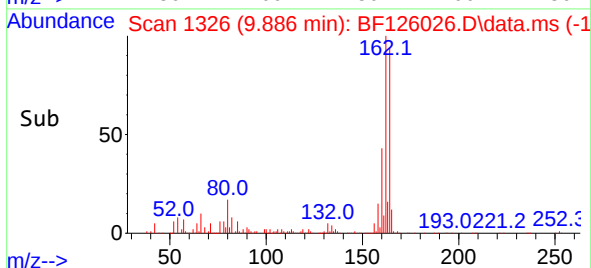
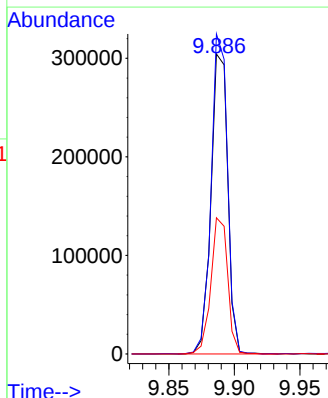
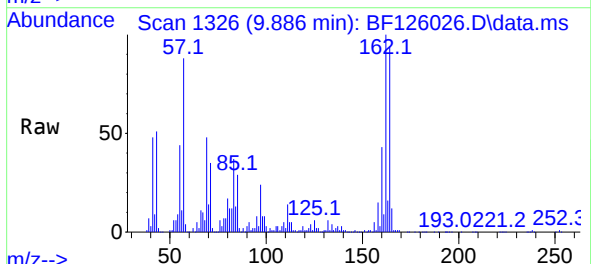
Tgt Ion:164 Resp: 271556

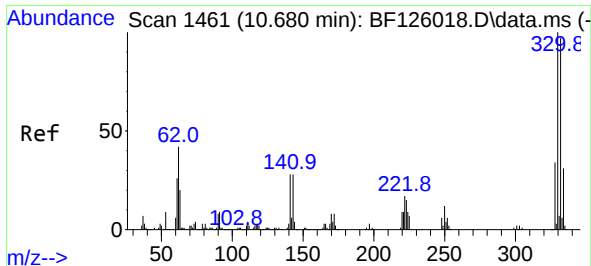
Ion Ratio Lower Upper

164 100

162 106.7 81.3 121.9

160 45.4 38.0 57.0





#42

2,4,6-Tribromophenol

Concen: 17.91 ng

RT: 10.674 min Scan# 1461

Delta R.T. -0.006 min

Lab File: BF126026.D

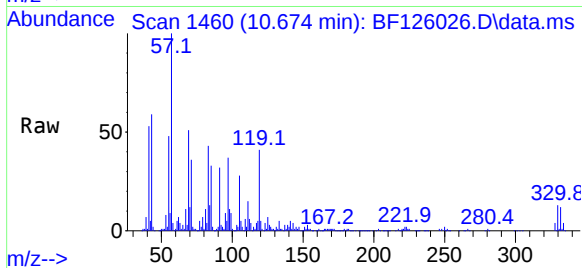
Acq: 3 Nov 2021 18:48

Instrument :

BNA_F

ClientSampleId :

FDR-BH-5-20211029-6.5-7



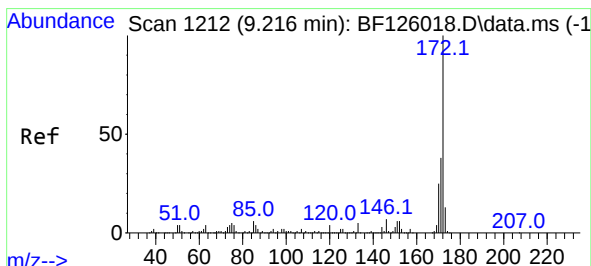
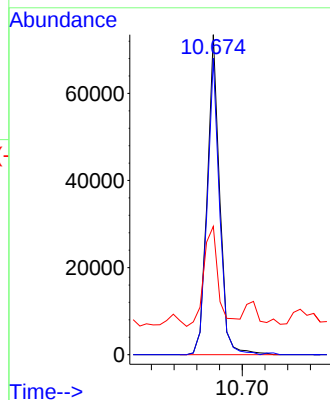
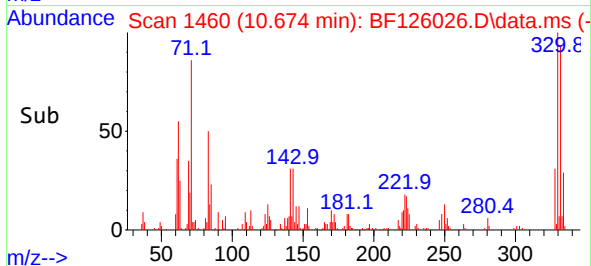
Tgt Ion: 330 Resp: 5573

Ion	Ratio	Lower	Upper
330	100		
332	92.3	76.2	114.4
141	37.6	44.6	66.8

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#45

2-Fluorobiphenyl

Concen: 13.63 ng

RT: 9.210 min Scan# 1211

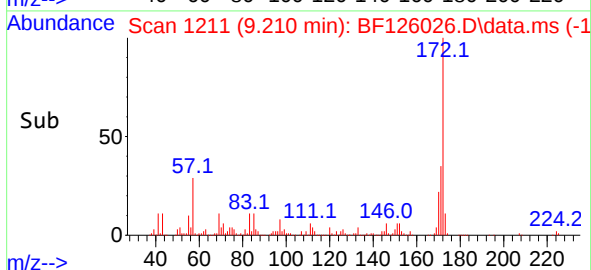
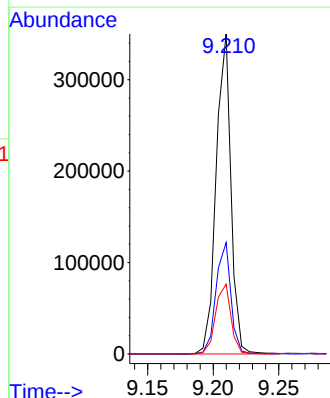
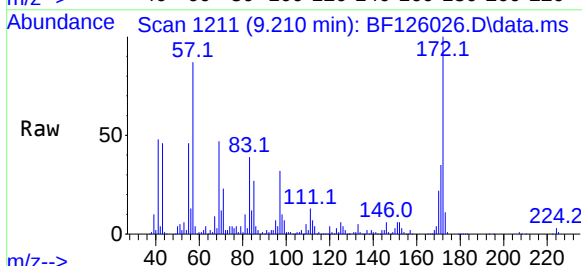
Delta R.T. -0.006 min

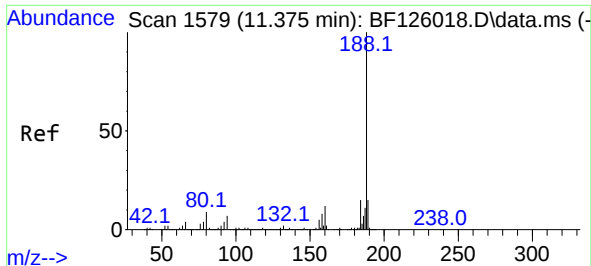
Lab File: BF126026.D

Acq: 3 Nov 2021 18:48

Tgt Ion: 172 Resp: 273871

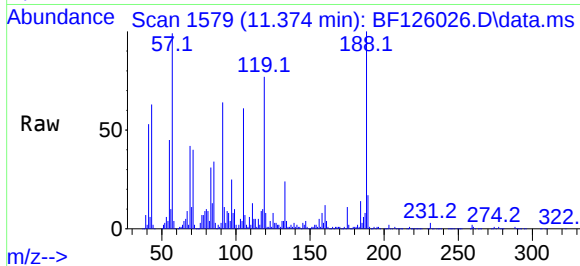
Ion	Ratio	Lower	Upper
172	100		
171	34.8	26.5	39.7
170	21.8	18.8	28.2





#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.374 min Scan# 11
Delta R.T. -0.001 min
Lab File: BF126026.D
Acq: 3 Nov 2021 18:48

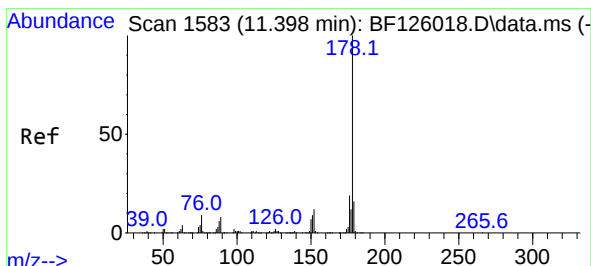
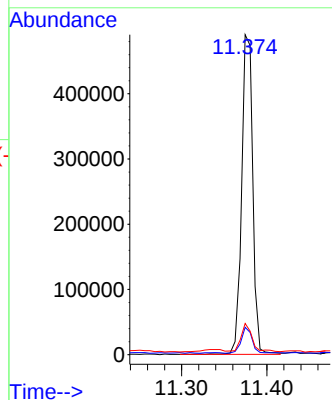
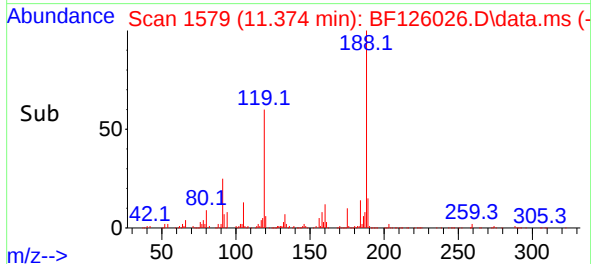
Instrument :
BNA_F
ClientSampleId :
FDR-BH-5-20211029-6.5-7



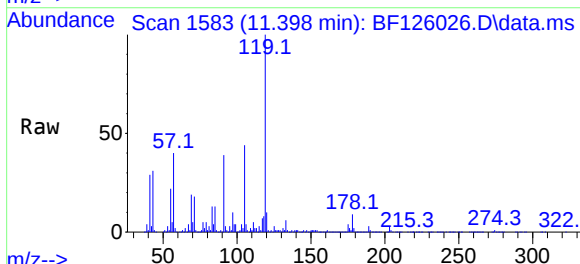
Tgt Ion:188 Resp: 44386
Ion Ratio Lower Upper
188 100
94 8.6 6.7 10.1
80 9.8 7.5 11.3

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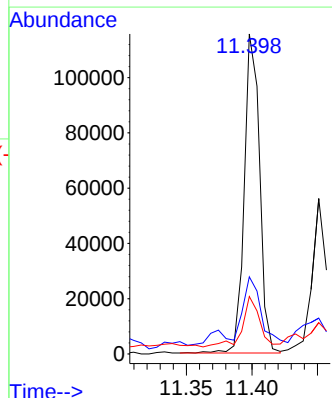
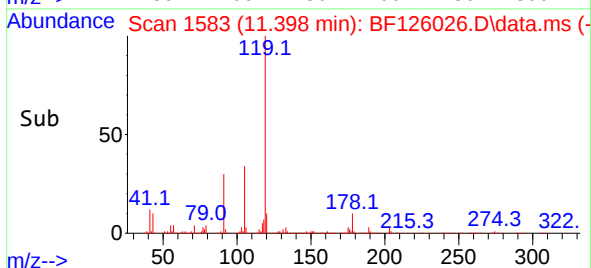
Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021

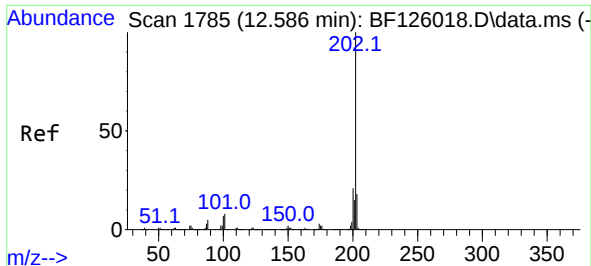


#71
Phenanthrene
Concen: 3.91 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.000 min
Lab File: BF126026.D
Acq: 3 Nov 2021 18:48



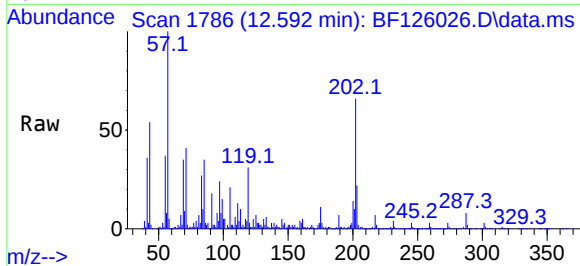
Tgt Ion:178 Resp: 94055
Ion Ratio Lower Upper
178 100
176 24.1 14.7 22.1#
179 18.0 11.5 17.3#





#75
Fluoranthene
Concen: 10.37 ng
RT: 12.592 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF126026.D
Acq: 3 Nov 2021 18:48

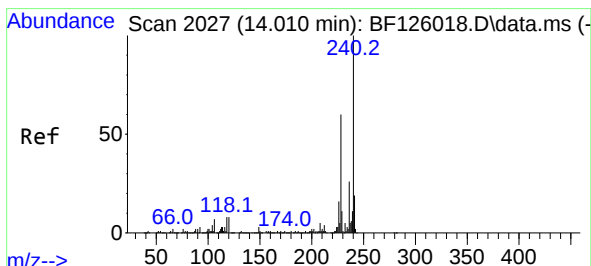
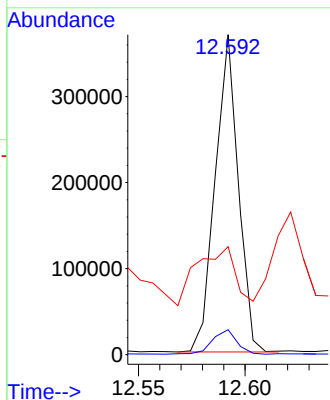
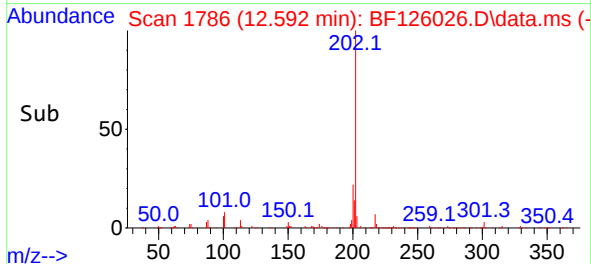
Instrument :
BNA_F
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FDR-BH-5-20211029-6.5-7



Tgt Ion:202 Resp: 27792
Ion Ratio Lower Upper
202 100
101 7.8 0.0 30.7
203 33.7 0.0 36.3

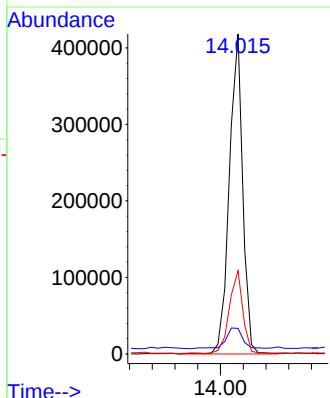
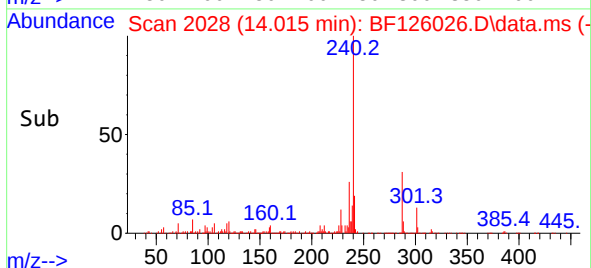
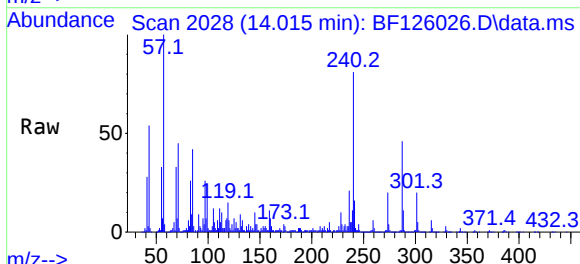
Manual Integrations
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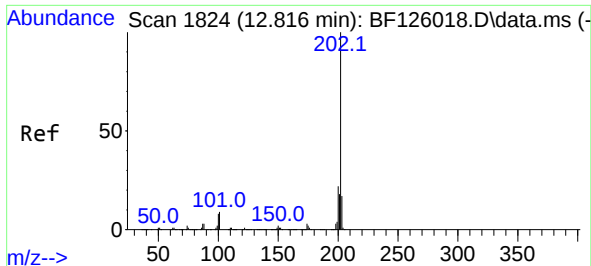
Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.015 min Scan# 2028
Delta R.T. 0.005 min
Lab File: BF126026.D
Acq: 3 Nov 2021 18:48

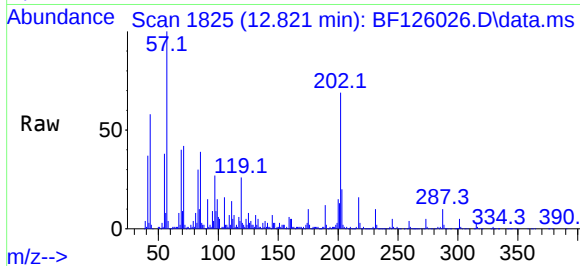
Tgt Ion:240 Resp: 342409
Ion Ratio Lower Upper
240 100
120 8.0 10.8 16.2#
236 26.0 21.6 32.4





#78
Pyrene
Concen: 13.01 ng
RT: 12.821 min Scan# 1825
Delta R.T. 0.005 min
Lab File: BF126026.D
Acq: 3 Nov 2021 18:48

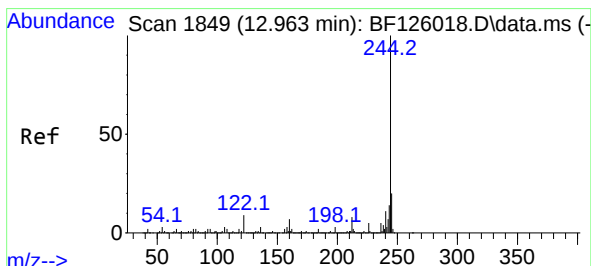
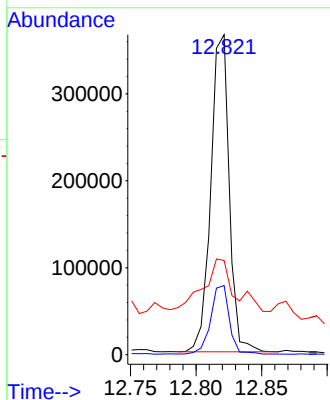
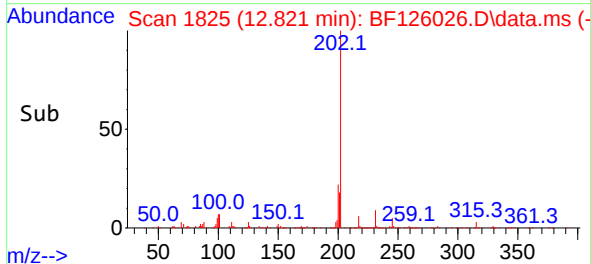
Instrument :
BNA_F
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FDR-BH-5-20211029-6.5-7



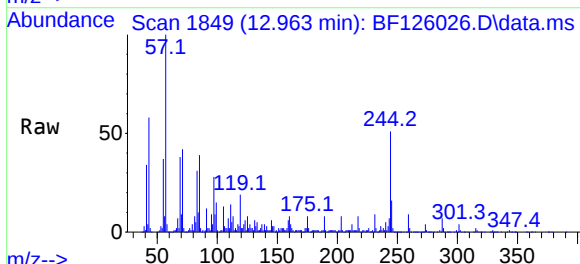
Tgt Ion:202 Resp: 35725
Ion Ratio Lower Upper
202 100
200 21.6 15.3 22.9
203 29.5 13.4 20.0

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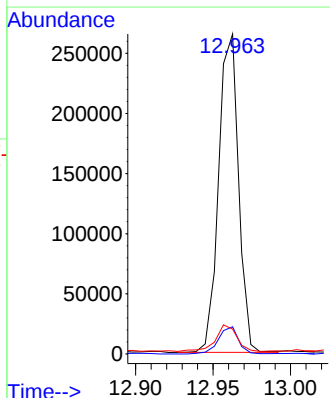
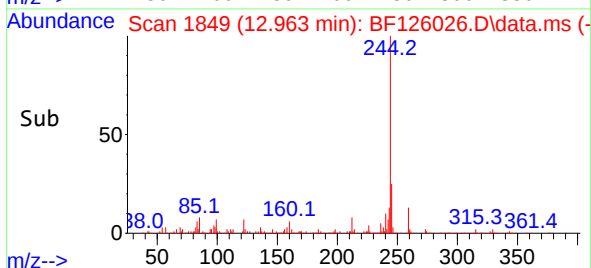
Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021

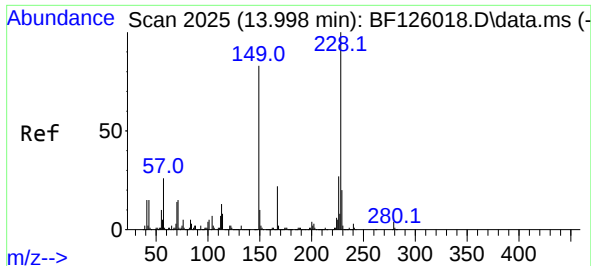


#79
Terphenyl-d14
Concen: 11.14 ng
RT: 12.963 min Scan# 1849
Delta R.T. -0.000 min
Lab File: BF126026.D
Acq: 3 Nov 2021 18:48



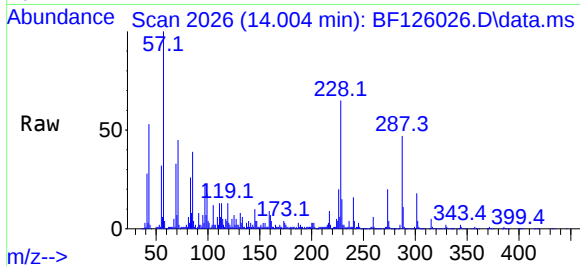
Tgt Ion:244 Resp: 236635
Ion Ratio Lower Upper
244 100
212 8.5 5.9 8.9
122 7.7 9.0 13.4





#81
Benzo(a)anthracene
Concen: 14.42 ng
RT: 14.004 min Scan# 2026
Delta R.T. 0.006 min
Lab File: BF126026.D
Acq: 3 Nov 2021 18:48

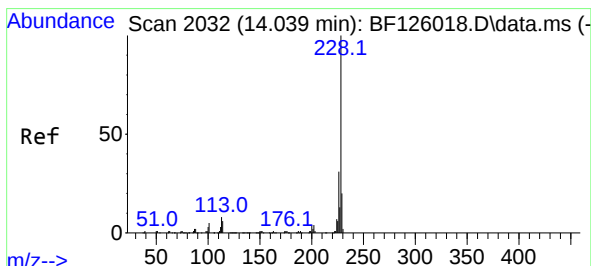
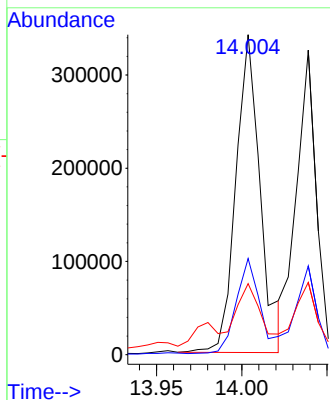
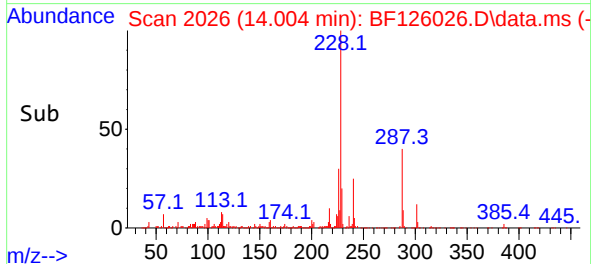
Instrument :
BNA_F
ClientSampleId :
FDR-BH-5-20211029-6.5-7



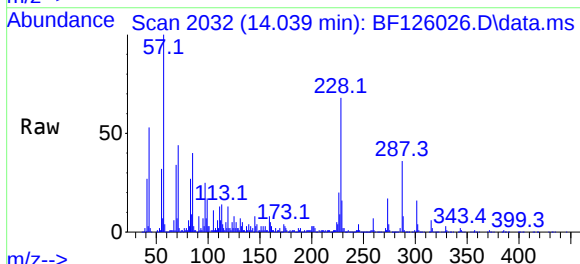
Tgt Ion:228 Resp: 339154
Ion Ratio Lower Upper
228 100
226 30.1 21.6 32.4
229 22.2 15.6 23.4

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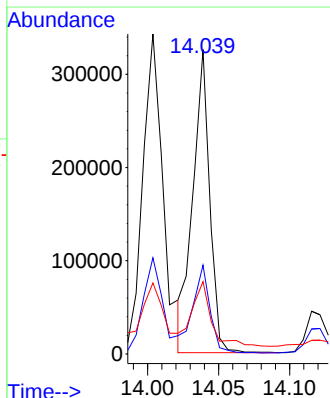
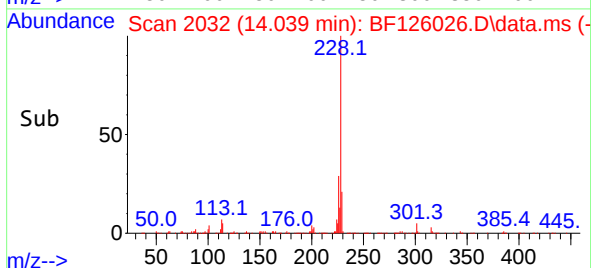
Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021

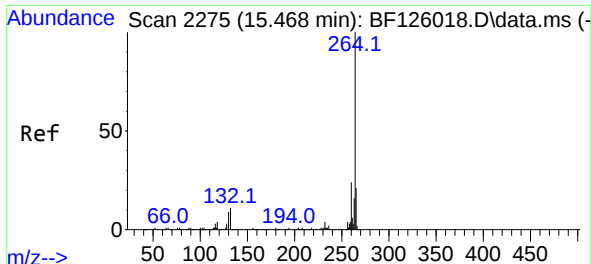


#83
Chrysene
Concen: 12.21 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.000 min
Lab File: BF126026.D
Acq: 3 Nov 2021 18:48



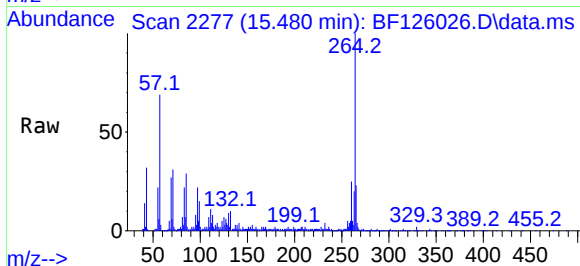
Tgt Ion:228 Resp: 267342
Ion Ratio Lower Upper
228 100
226 29.2 22.6 34.0
229 23.7 15.9 23.9





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.480 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF126026.D
Acq: 3 Nov 2021 18:48

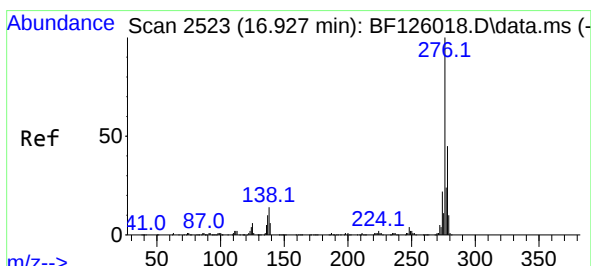
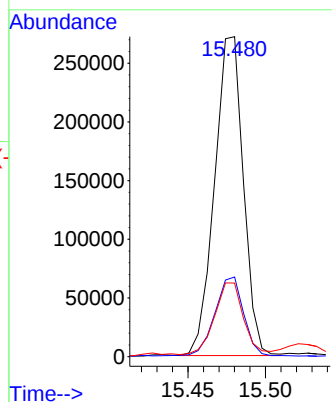
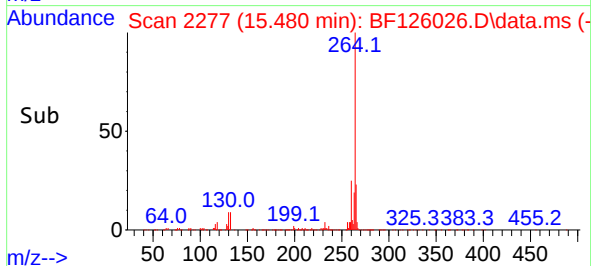
Instrument :
BNA_F
ClientSampleId :
FDR-BH-5-20211029-6.5-7



Tgt Ion:264 Resp: 351204
Ion Ratio Lower Upper
264 100
260 24.9 19.6 29.4
265 23.0 17.2 25.8

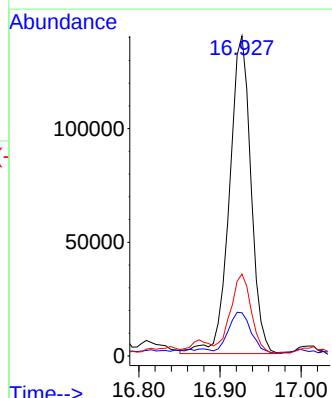
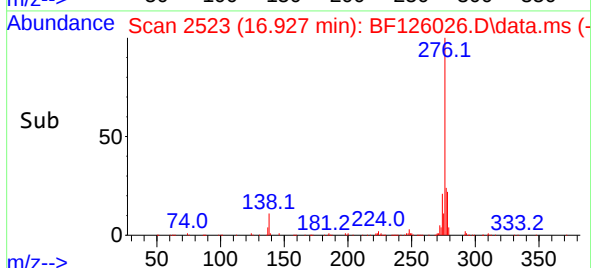
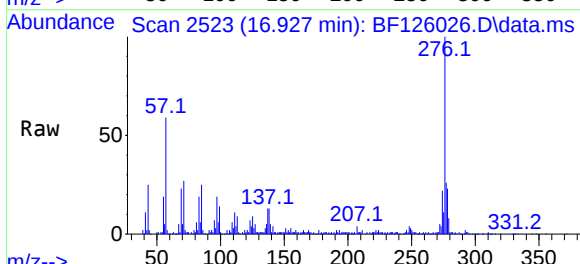
Manual Integrations
APPROVED

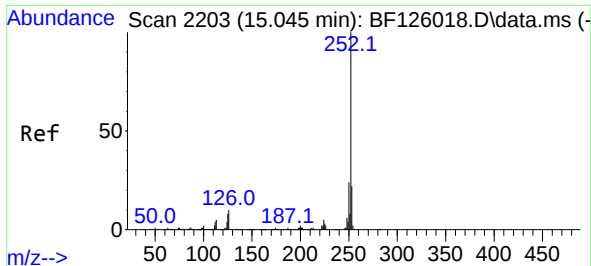
Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021



#87
Indeno(1,2,3-cd)pyrene
Concen: 12.36 ng
RT: 16.927 min Scan# 2523
Delta R.T. 0.000 min
Lab File: BF126026.D
Acq: 3 Nov 2021 18:48

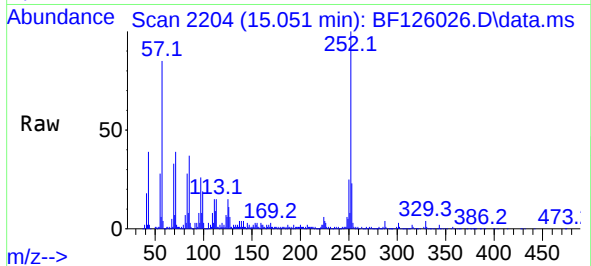
Tgt Ion:276 Resp: 256956
Ion Ratio Lower Upper
276 100
138 13.6 24.1 36.1#
277 24.1 18.8 28.2





#88
Benzo(b)fluoranthene
Concen: 20.68 ng m
RT: 15.051 min Scan# 2203
Delta R.T. 0.006 min
Lab File: BF126026.D
Acq: 3 Nov 2021 18:48

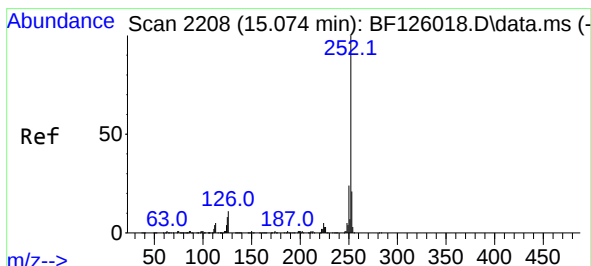
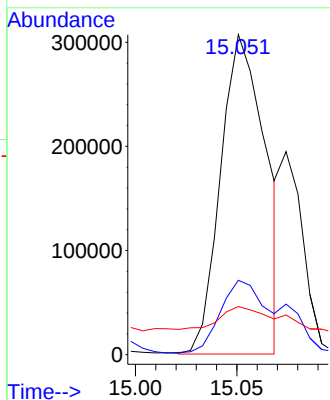
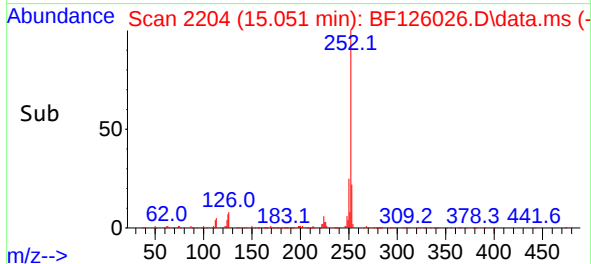
Instrument :
BNA_F
ClientSampleId :
FDR-BH-5-20211029-6.5-7



Tgt Ion:252 Resp: 472314
Ion Ratio Lower Upper
252 100
253 23.3 16.8 25.2
125 15.0 9.8 14.8

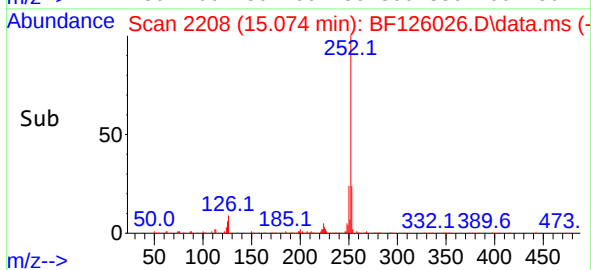
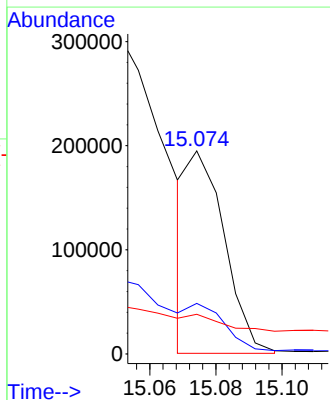
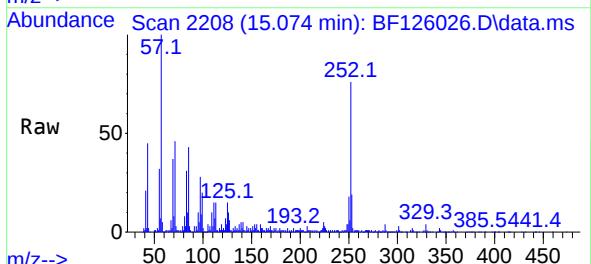
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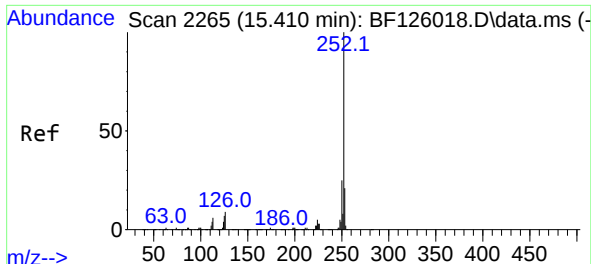
Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021



#89
Benzo(k)fluoranthene
Concen: 6.67 ng m
RT: 15.074 min Scan# 2208
Delta R.T. -0.000 min
Lab File: BF126026.D
Acq: 3 Nov 2021 18:48

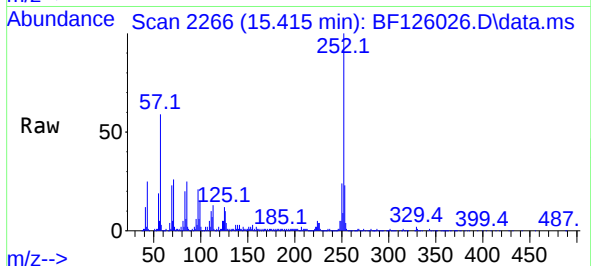
Tgt Ion:252 Resp: 147768
Ion Ratio Lower Upper
252 100
253 24.9 17.8 26.8
125 19.5 7.2 10.8





#90
Benzo(a)pyrene
Concen: 22.47 ng
RT: 15.415 min Scan# 21
Delta R.T. 0.005 min
Lab File: BF126026.D
Acq: 3 Nov 2021 18:48

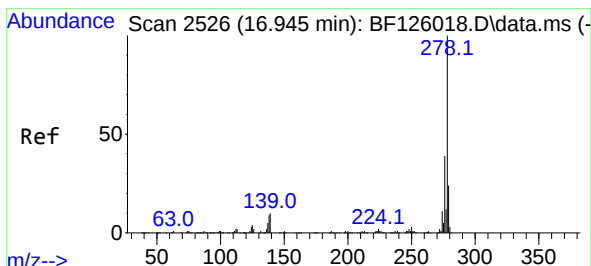
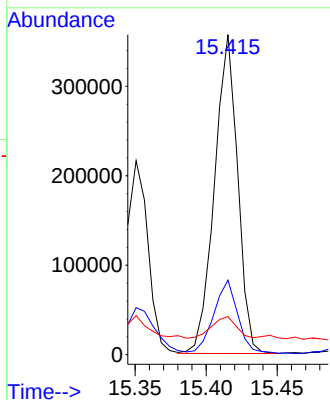
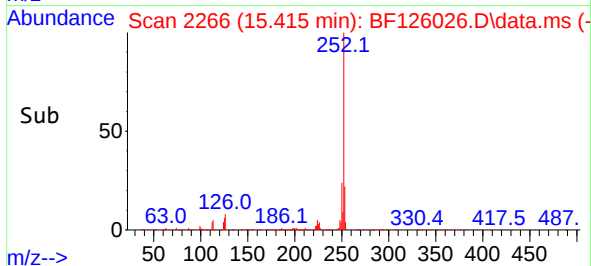
Instrument :
BNA_F
ClientSampleId :
FDR-BH-5-20211029-6.5-7



Tgt Ion:252 Resp: 404450
Ion Ratio Lower Upper
252 100
253 23.3 18.4 27.6
125 11.9 9.9 14.9

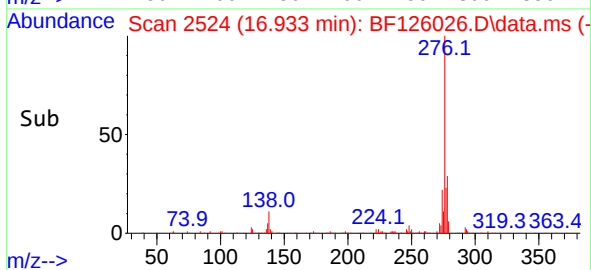
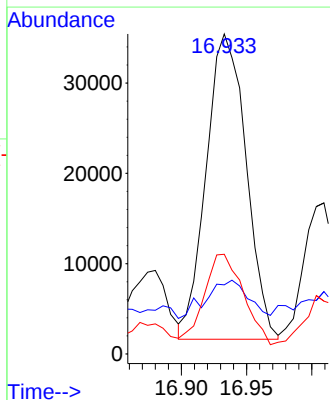
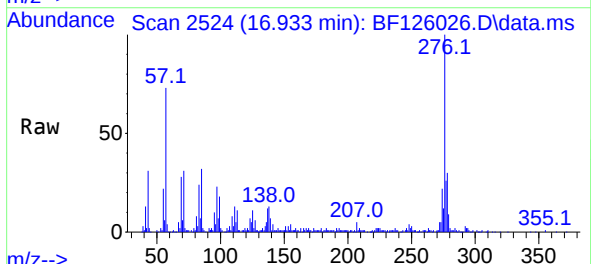
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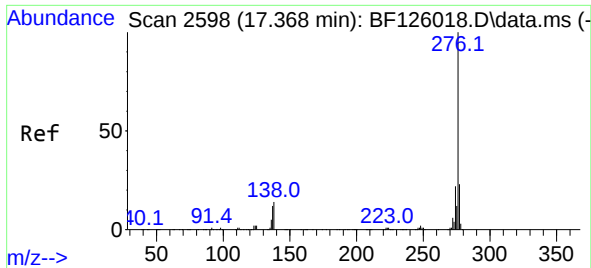
Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021



#91
Dibenzo(a,h)anthracene
Concen: 4.22 ng m
RT: 16.933 min Scan# 2524
Delta R.T. -0.012 min
Lab File: BF126026.D
Acq: 3 Nov 2021 18:48

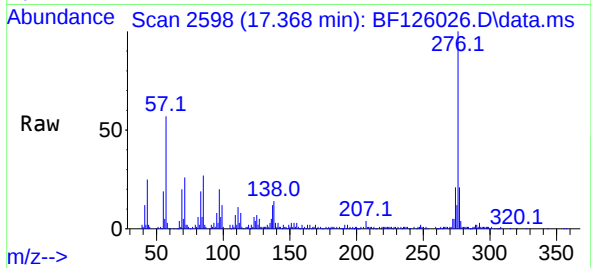
Tgt Ion:278 Resp: 72099
Ion Ratio Lower Upper
278 100
139 21.6 14.9 22.3
279 31.2 19.7 29.5#





#92
Benzo(g,h,i)perylene
Concen: 13.62 ng
RT: 17.368 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF126026.D
Acq: 3 Nov 2021 18:48

Instrument :
BNA_F
ClientSampleId :
FDR-BH-5-20211029-6.5-7



Tgt Ion:276 Resp: 22310
Ion Ratio Lower Upper
276 100
277 21.1 22.0 33.0
138 13.5 22.2 33.4

Manual Integrations
APPROVED

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

