

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110321\
 Data File : BF126031.D
 Acq On : 3 Nov 2021 21:27
 Operator : JU/CG
 Sample : M4427-08 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FDR-BH-2-20211029-6.5-7

Quant Time: Nov 04 10:12:20 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	132928	20.00	ng	0.00
21) Naphthalene-d8	8.133	136	454393	20.00	ng	# 0.00
39) Acenaphthene-d10	9.886	164	227860	20.00	ng	0.00
64) Phenanthrene-d10	11.380	188	377135	20.00	ng	0.00
76) Chrysene-d12	14.015	240	354556	20.00	ng	0.00
86) Perylene-d12	15.480	264	339034	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	179827	23.23	ng	-0.01
7) Phenol-d6	6.469	99	235347	21.57	ng	-0.02
23) Nitrobenzene-d5	7.404	82	162420	16.86	ng	-0.02
42) 2,4,6-Tribromophenol	10.674	330	54717	20.95	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	290128	17.21	ng	0.00
79) Terphenyl-d14	12.962	244	294469	13.39	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.404	178	101228	4.95	ng	# 88
75) Fluoranthene	12.592	202	185178	8.13	ng	# 36
78) Pyrene	12.821	202	168651	5.93	ng	# 66
81) Benzo(a)anthracene	14.009	228	128081	5.26	ng	# 89
83) Chrysene	14.045	228	108046	4.77	ng	# 87
88) Benzo(b)fluoranthene	15.056	252	144253m	6.54	ng	
89) Benzo(k)fluoranthene	15.080	252	60226m	2.82	ng	
90) Benzo(a)pyrene	15.415	252	113826	6.55	ng	# 77
92) Benzo(g,h,i)perylene	17.362	276	50858m	3.22	ng	

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

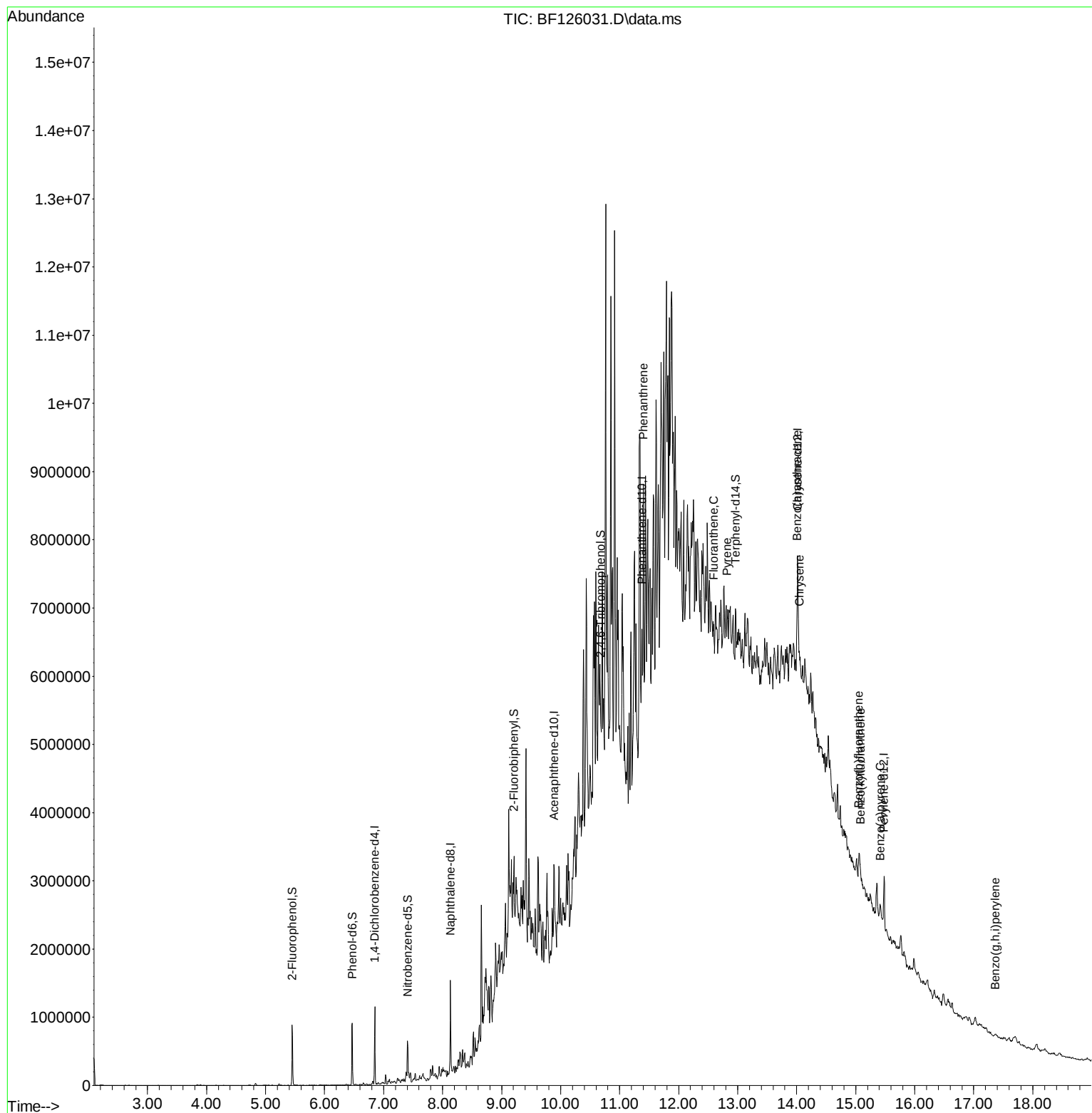
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110321\
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ALS Vial : 18 Sample Multiplier: 1

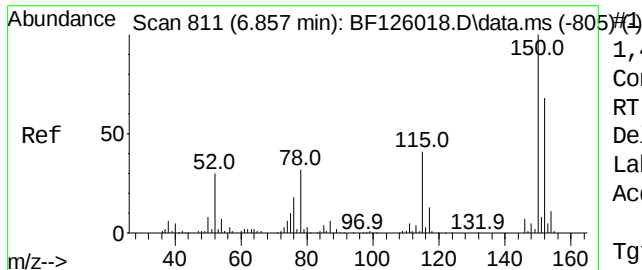
Instrument :
BNA_F
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FDR-BH-2-20211029-6.5-7

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
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QLast Update : Wed Nov 03 17:21:25 2021
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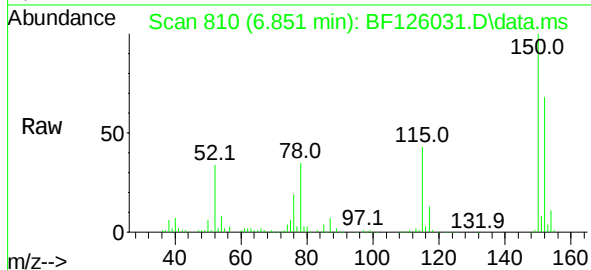
Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021





1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.851 min Scan# 811
 Delta R.T. -0.006 min
 Lab File: BF126031.D
 Acq: 3 Nov 2021 21:27

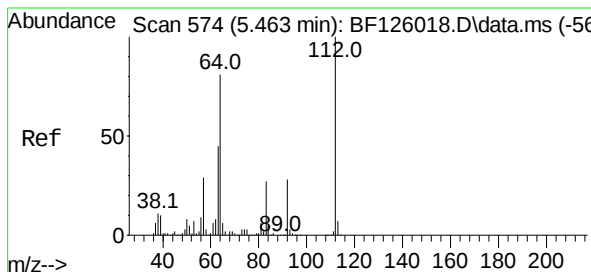
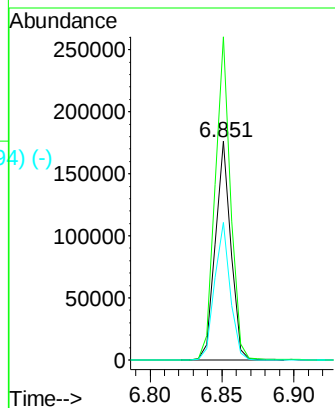
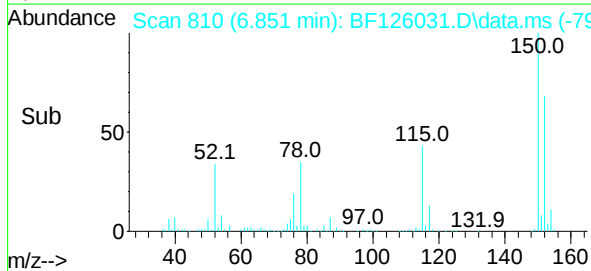
Instrument :
 BNA_F
 ClientSampleId :
 FDR-BH-2-20211029-6.5-7



Tgt Ion:152 Resp: 13292
 Ion Ratio Lower Upper
 152 100
 150 147.8 117.6 176.4
 115 62.9 47.1 70.7

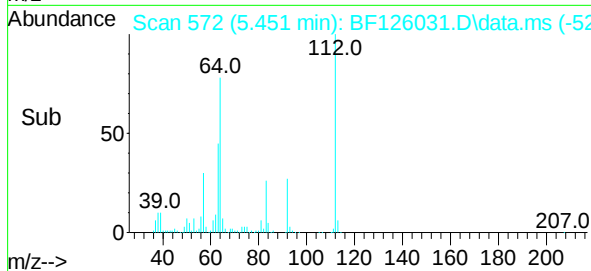
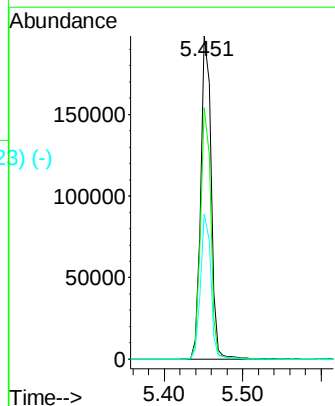
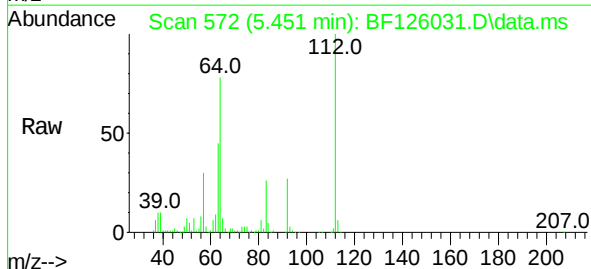
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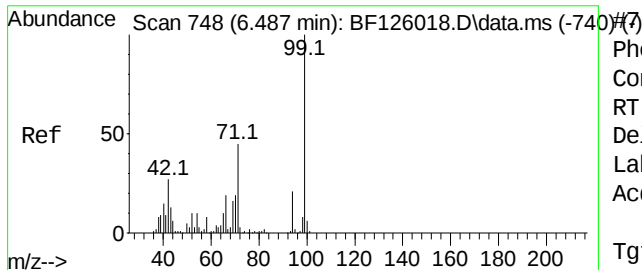
Reviewed By :Christian Giraldo 11/04/2021
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2-Fluorophenol
 Concen: 23.23 ng
 RT: 5.451 min Scan# 572
 Delta R.T. -0.012 min
 Lab File: BF126031.D
 Acq: 3 Nov 2021 21:27

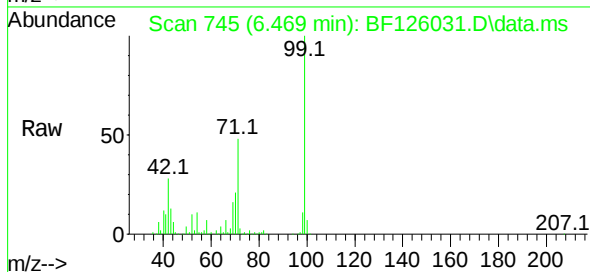
Tgt Ion:112 Resp: 179827
 Ion Ratio Lower Upper
 112 100
 64 77.8 44.2 66.2#
 63 44.9 26.2 39.2#





Phenol-d6
Concen: 21.57 ng
RT: 6.469 min Scan# 1027
Delta R.T. -0.018 min
Lab File: BF126031.D
Acq: 3 Nov 2021 21:27

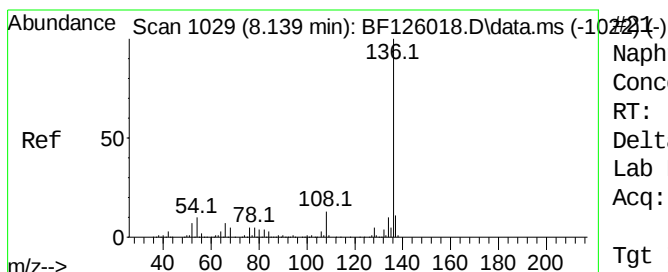
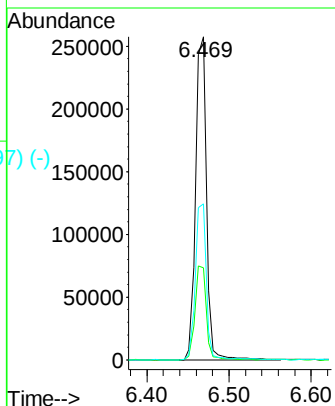
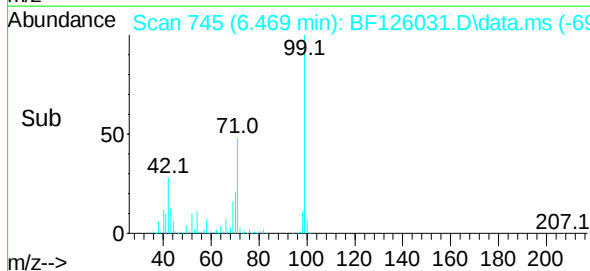
Instrument :
BNA_F
ClientSampleId :
FDR-BH-2-20211029-6.5-7



Tgt Ion: 99 Resp: 23534
Ion Ratio Lower Upper
99 100
42 28.5 23.5 35.3
71 48.3 25.6 38.4

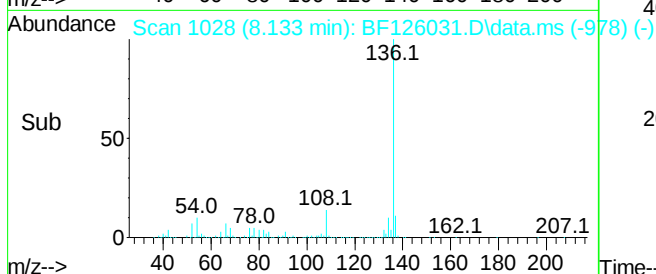
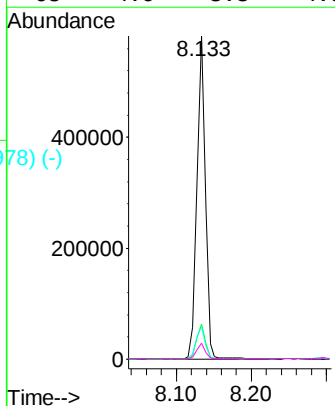
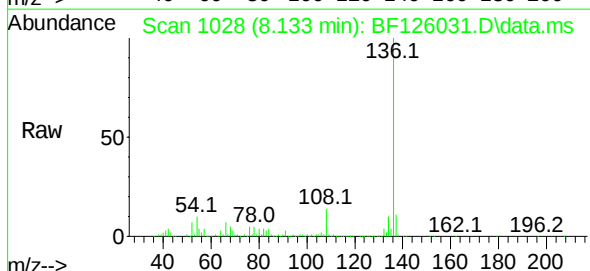
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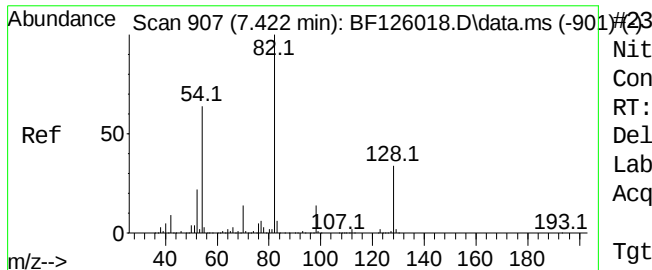
Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021



Naphthalene-d8
Concen: 20.00 ng
RT: 8.133 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF126031.D
Acq: 3 Nov 2021 21:27

Tgt Ion:136 Resp: 454393
Ion Ratio Lower Upper
136 100
137 10.9 9.8 14.6
54 10.0 6.4 9.6#
68 4.9 3.3 4.9





Nitrobenzene-d5

Concen: 16.86 ng

RT: 7.404 min Scan# 904

Delta R.T. -0.018 min

Lab File: BF126031.D

Acq: 3 Nov 2021 21:27

Instrument :

BNA_F

ClientSampleId :

FDR-BH-2-20211029-6.5-7

Tgt Ion: 82 Resp: 16242

Ion Ratio Lower Upper

82 100

128 30.7 40.6 60.8

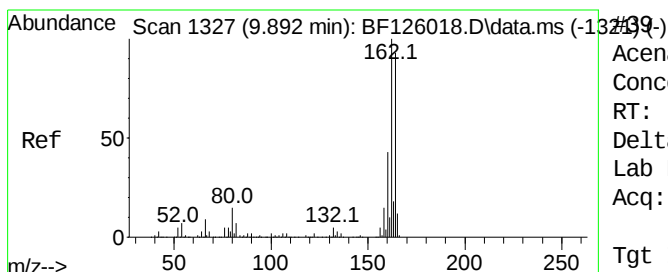
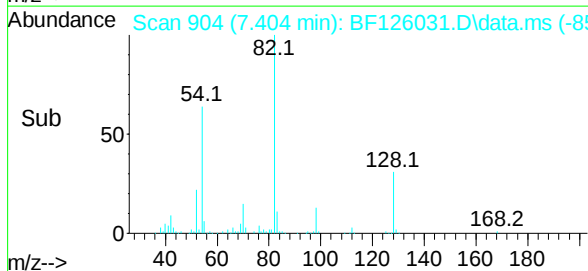
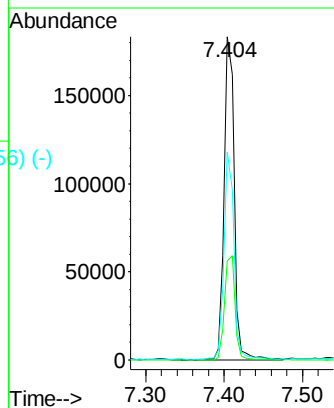
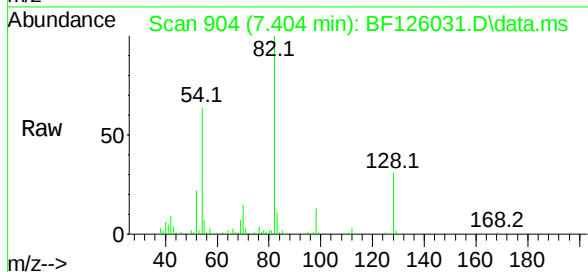
54 64.3 49.6 74.4

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Acenaphthene-d10

Concen: 20.00 ng

RT: 9.886 min Scan# 1326

Delta R.T. -0.006 min

Lab File: BF126031.D

Acq: 3 Nov 2021 21:27

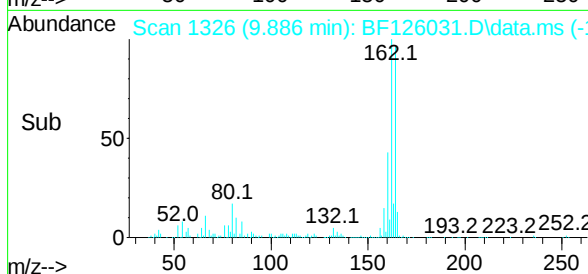
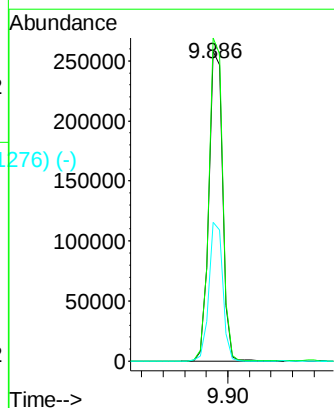
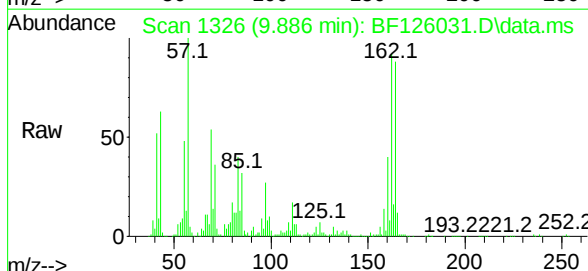
Tgt Ion:164 Resp: 227860

Ion Ratio Lower Upper

164 100

162 104.3 81.3 121.9

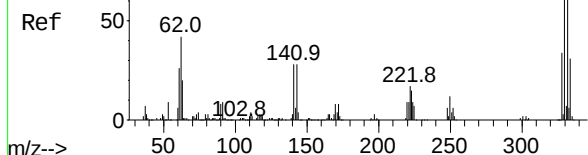
160 44.9 38.0 57.0



Abundance Scan 1461 (10.680 min): BF126018.D\data.ms (-1410) (-)

2,4,6-Tribromophenol
Concen: 20.95 ng
RT: 10.674 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF126031.D
Acq: 3 Nov 2021 21:27

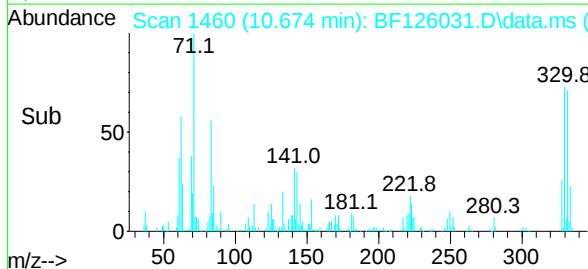
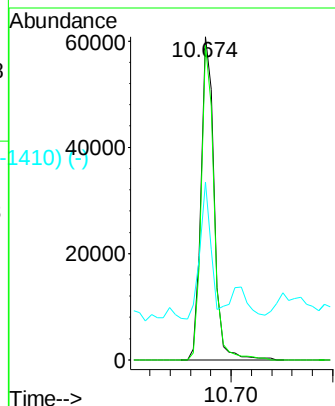
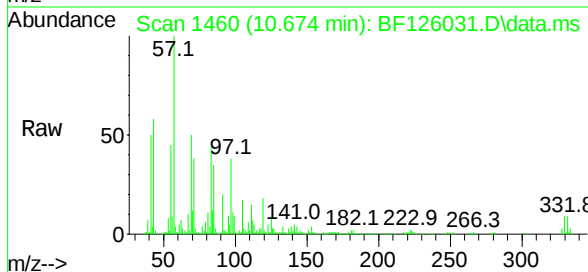
Instrument :
BNA_F
ClientSampleId :
FDR-BH-2-20211029-6.5-7



Tgt Ion:	330	Resp:	547
Ion Ratio	Lower	Upper	
330	100		
332	94.9	76.2	114.4
141	36.8	44.6	66.8

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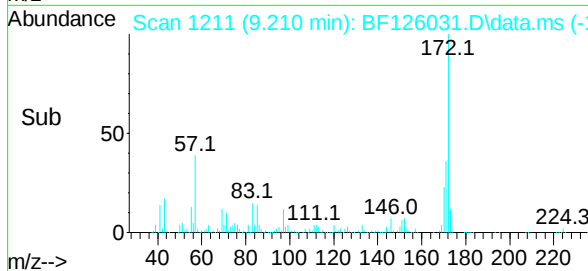
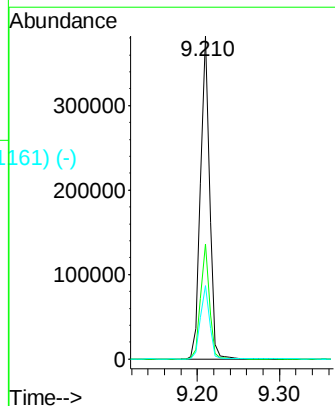
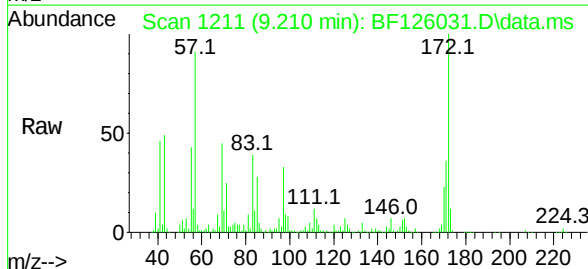
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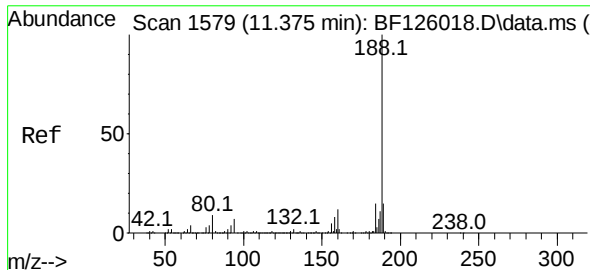


Abundance Scan 1212 (9.216 min): BF126018.D\data.ms (-1204) (-)

2-Fluorobiphenyl
Concen: 17.21 ng
RT: 9.210 min Scan# 1211
Delta R.T. -0.006 min
Lab File: BF126031.D
Acq: 3 Nov 2021 21:27

Tgt Ion:	172	Resp:	290128
Ion Ratio	Lower	Upper	
172	100		
171	35.5	26.5	39.7
170	22.7	18.8	28.2





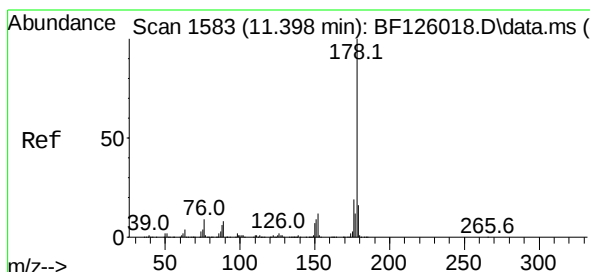
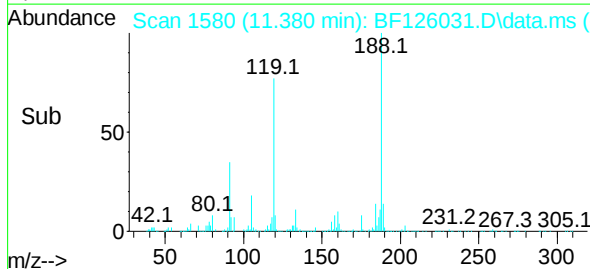
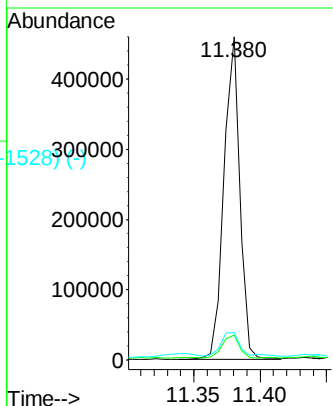
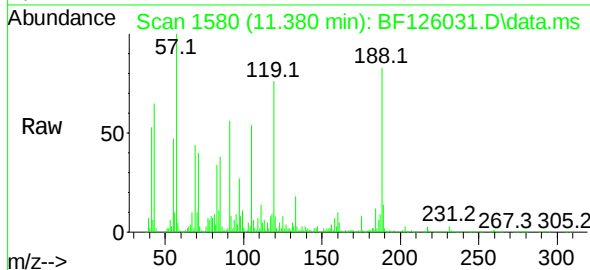
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.380 min Scan# 1579
Delta R.T. 0.005 min
Lab File: BF126031.D
Acq: 3 Nov 2021 21:27

Instrument :
BNA_F
ClientSampleId :
FDR-BH-2-20211029-6.5-7

Tgt Ion:188 Resp: 37710
Ion Ratio Lower Upper
188 100
94 7.7 6.7 10.3
80 8.6 7.5 11.3

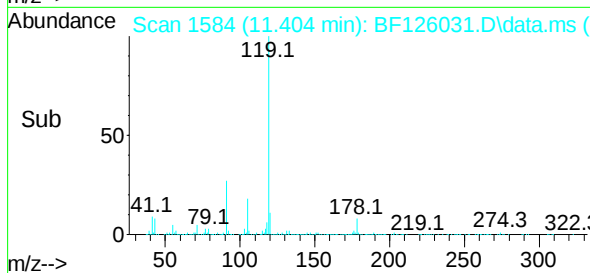
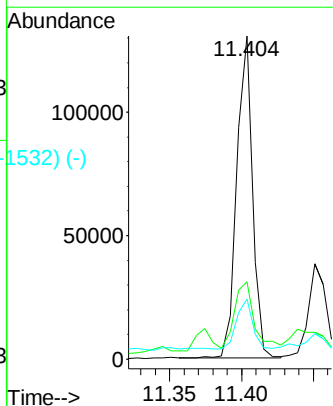
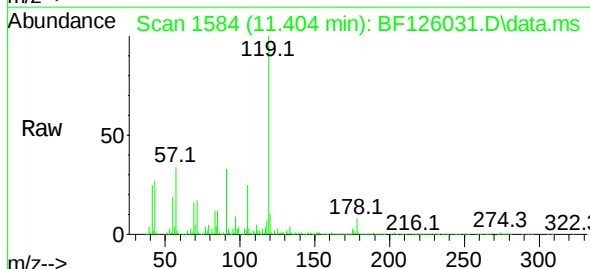
Manual Integrations
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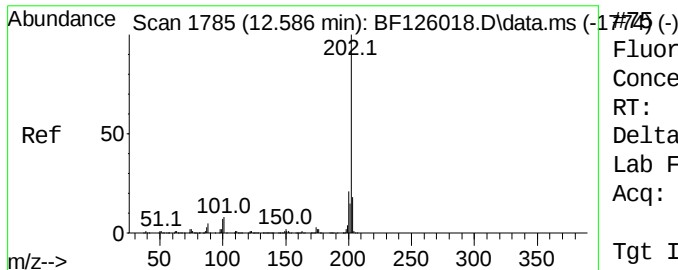
Reviewed By :Christian Giraldo 11/04/2021
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Phenanthrene
Concen: 4.95 ng
RT: 11.404 min Scan# 1584
Delta R.T. 0.006 min
Lab File: BF126031.D
Acq: 3 Nov 2021 21:27

Tgt Ion:178 Resp: 101228
Ion Ratio Lower Upper
178 100
176 24.0 14.7 22.1#
179 18.6 11.5 17.3#





Fluoranthene

Concen: 8.13 ng

RT: 12.592 min Scan# 1785

Delta R.T. 0.006 min

Lab File: BF126031.D

Acq: 3 Nov 2021 21:27

Instrument :

BNA_F

ClientSampleId :

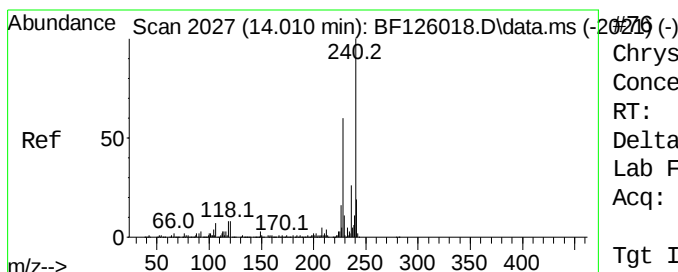
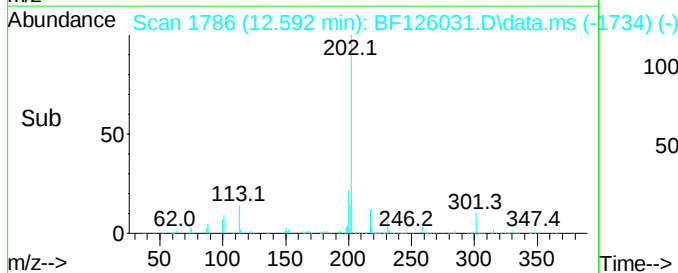
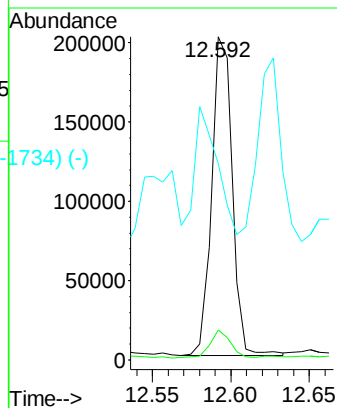
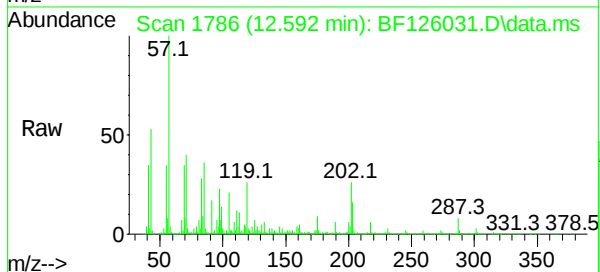
FDR-BH-2-20211029-6.5-7

Tgt Ion:	202	Resp:	1851
Ion Ratio	Lower	Upper	
202	100		
101	9.3	0.0	30.7
203	60.8	0.0	36.3

Manual Integrations

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Chrysene-d12

Concen: 20.00 ng

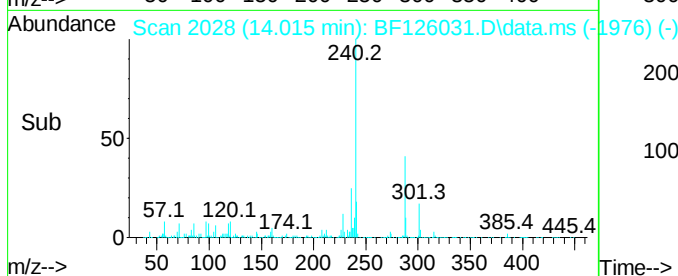
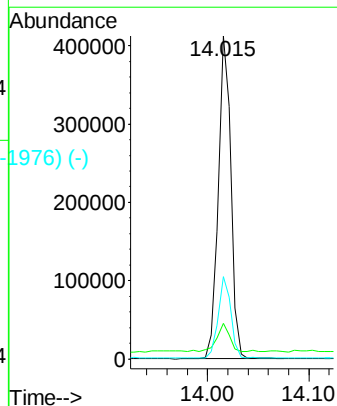
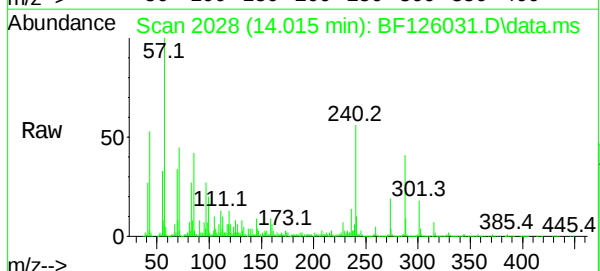
RT: 14.015 min Scan# 2028

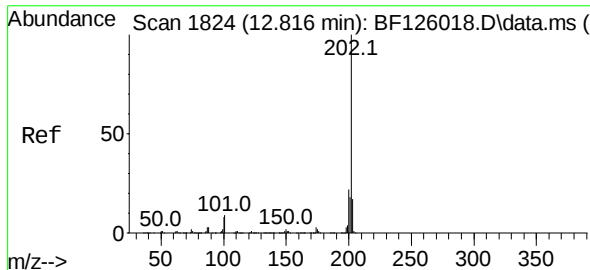
Delta R.T. 0.005 min

Lab File: BF126031.D

Acq: 3 Nov 2021 21:27

Tgt Ion:	240	Resp:	354556
Ion Ratio	Lower	Upper	
240	100		
120	11.0	10.8	16.2
236	25.6	21.6	32.4





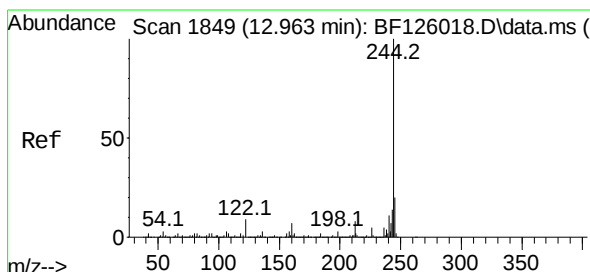
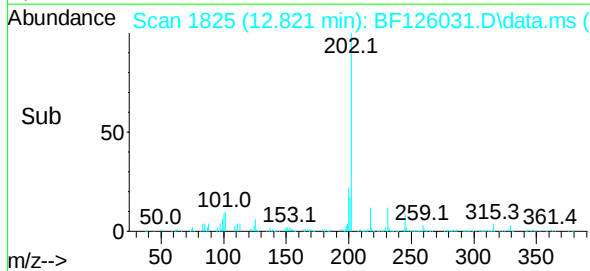
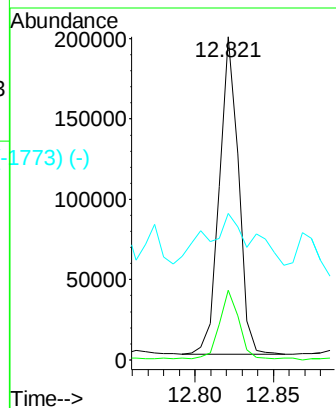
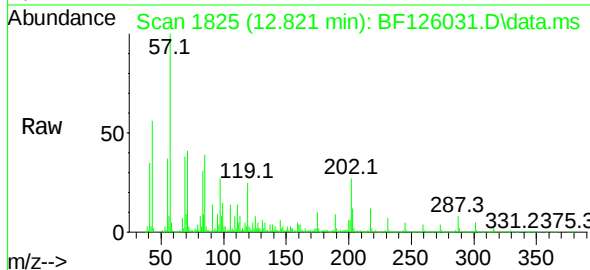
Pyrene
Concen: 5.93 ng
RT: 12.821 min Scan# 1824
Delta R.T. 0.005 min
Lab File: BF126031.D
Acq: 3 Nov 2021 21:27

Instrument :
BNA_F
ClientSampleId :
FDR-BH-2-20211029-6.5-7

Tgt Ion:	202	Resp:	16869
Ion Ratio	Lower	Upper	
202	100		
200	21.7	15.3	22.9
203	45.3	13.4	20.0

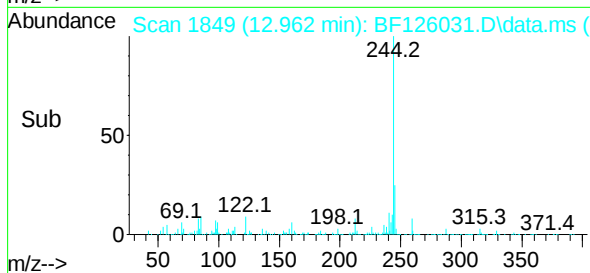
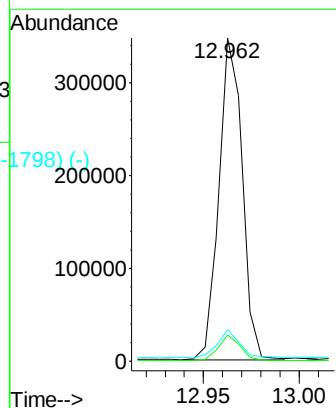
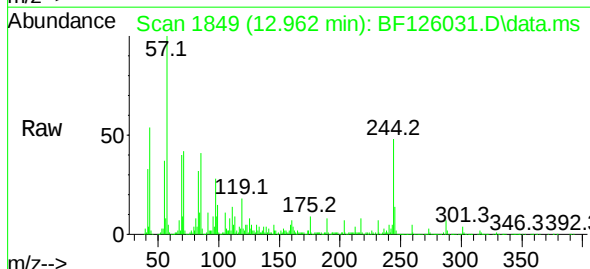
Manual Integrations
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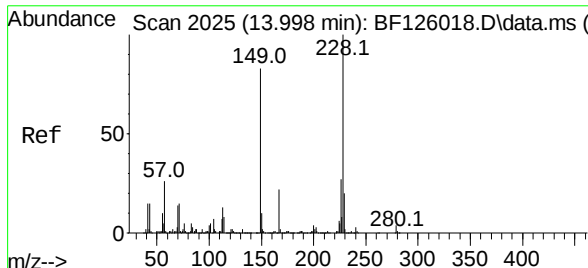
Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021



Terphenyl-d14
Concen: 13.39 ng
RT: 12.962 min Scan# 1849
Delta R.T. -0.001 min
Lab File: BF126031.D
Acq: 3 Nov 2021 21:27

Tgt Ion:	244	Resp:	294469
Ion Ratio	Lower	Upper	
244	100		
212	8.0	5.9	8.9
122	9.7	9.0	13.4





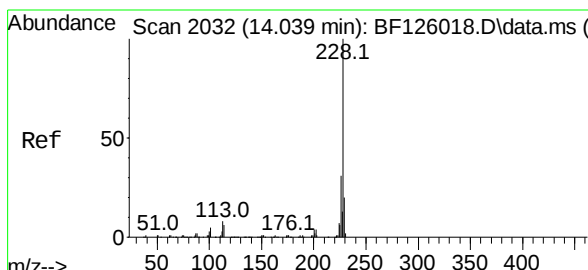
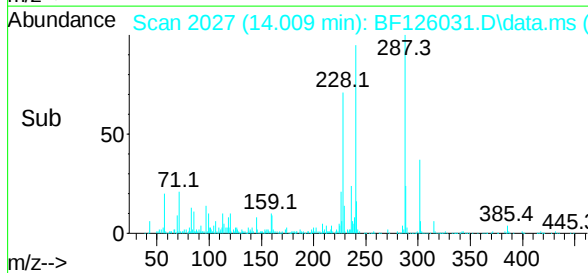
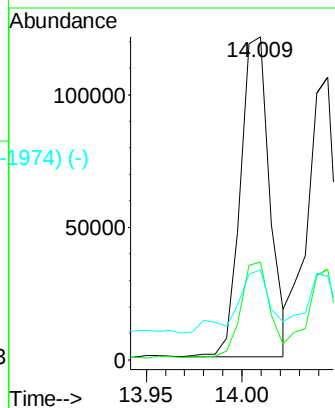
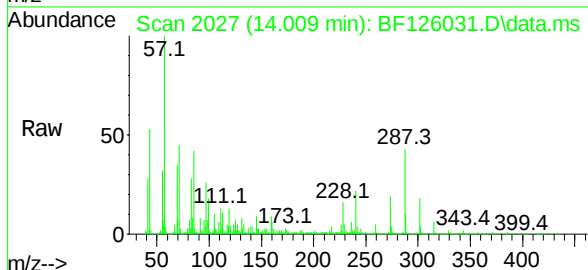
Scan 2025 (13.998 min): BF126018.D\data.ms (-20681) (-)
 Benzo(a)anthracene
 Concen: 5.26 ng
 RT: 14.009 min Scan# 2025
 Delta R.T. 0.011 min
 Lab File: BF126031.D
 Acq: 3 Nov 2021 21:27

Instrument : BNA_F
 ClientSampleId : FDR-BH-2-20211029-6.5-7

Tgt Ion:	228	Resp:	12808
Ion	Ratio	Lower	Upper
228	100		
226	30.2	21.6	32.4
229	27.9	15.6	23.4

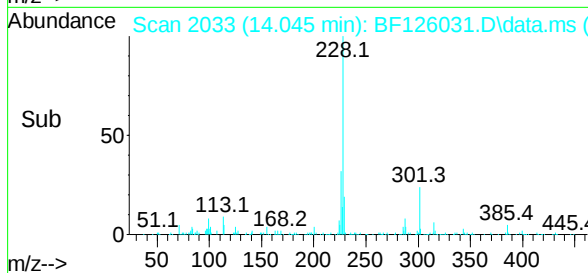
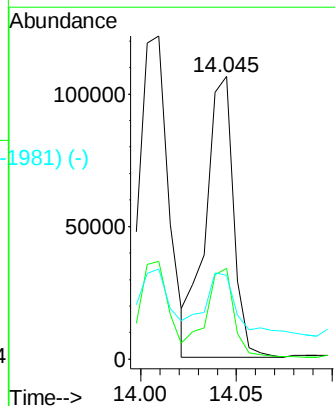
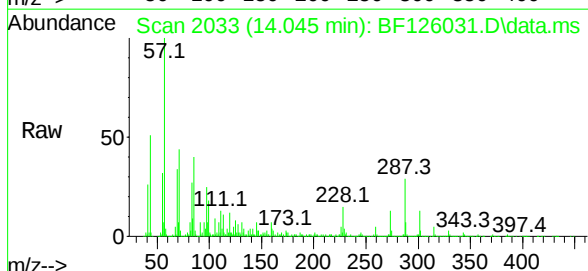
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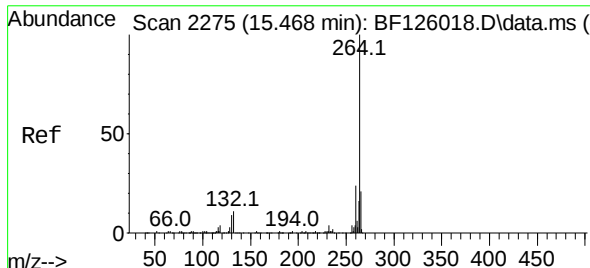
Reviewed By :Christian Giraldo 11/04/2021
 Supervised By :mohammad ahmed 11/08/2021



Scan 2032 (14.039 min): BF126018.D\data.ms (-20683) (-)
 Chrysene
 Concen: 4.77 ng
 RT: 14.045 min Scan# 2033
 Delta R.T. 0.006 min
 Lab File: BF126031.D
 Acq: 3 Nov 2021 21:27

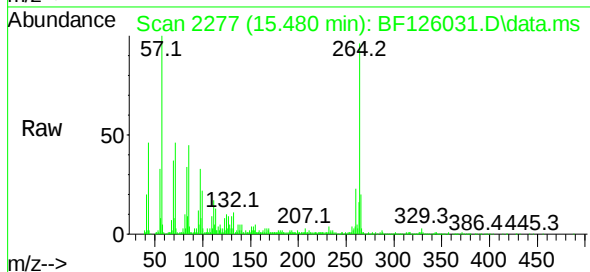
Tgt Ion:	228	Resp:	108046
Ion	Ratio	Lower	Upper
228	100		
226	32.1	22.6	34.0
229	29.7	15.9	23.9#





Perylene-d12
Concen: 20.00 ng
RT: 15.480 min Scan# 2275
Delta R.T. 0.012 min
Lab File: BF126031.D
Acq: 3 Nov 2021 21:27

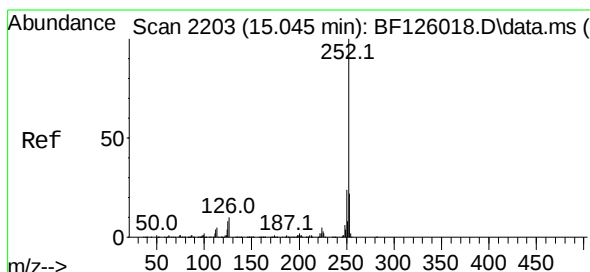
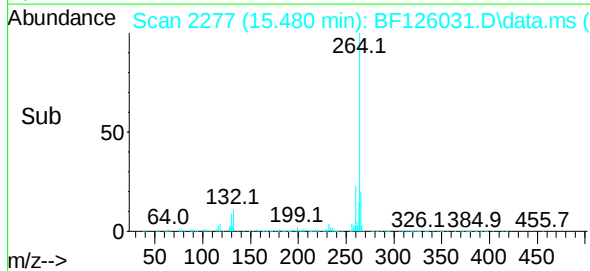
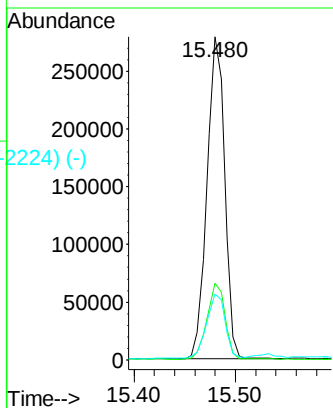
Instrument :
BNA_F
ClientSampleId :
FDR-BH-2-20211029-6.5-7



Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.6	29.4
265	20.4	17.2	25.8

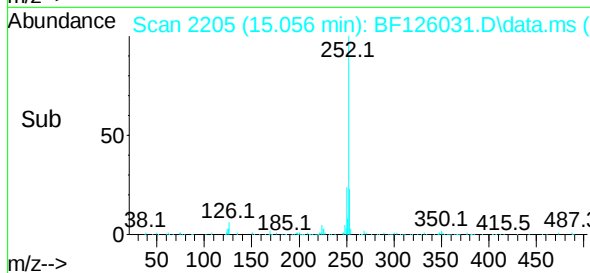
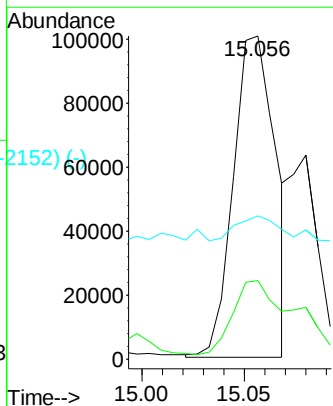
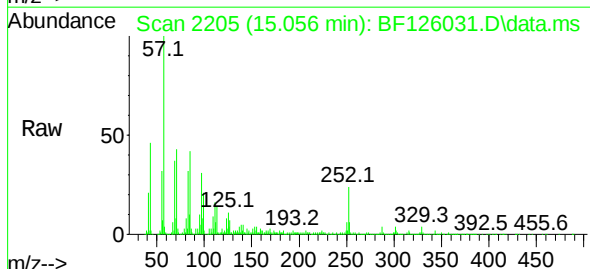
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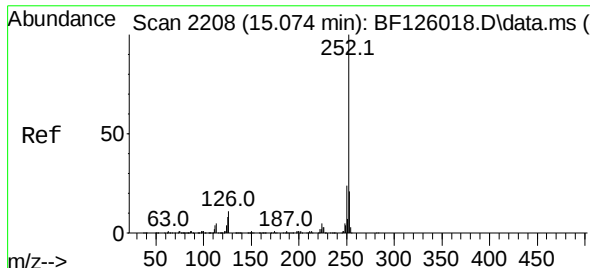
Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021



Benzo(b)fluoranthene
Concen: 6.54 ng m
RT: 15.056 min Scan# 2205
Delta R.T. 0.011 min
Lab File: BF126031.D
Acq: 3 Nov 2021 21:27

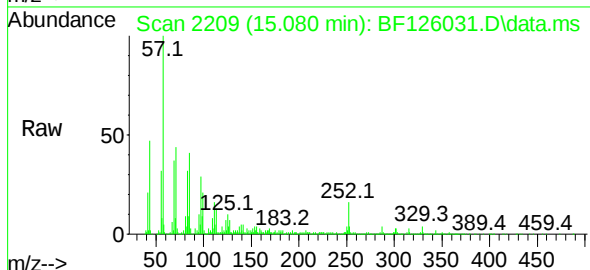
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	16.8	25.2
125	44.3	9.8	14.8#





Scan 2208 (15.074 min): BF126018.D\data.ms (-2208)
 Benzo(k)fluoranthene
 Concen: 2.82 ng m
 RT: 15.080 min Scan# 2208
 Delta R.T. 0.006 min
 Lab File: BF126031.D
 Acq: 3 Nov 2021 21:27

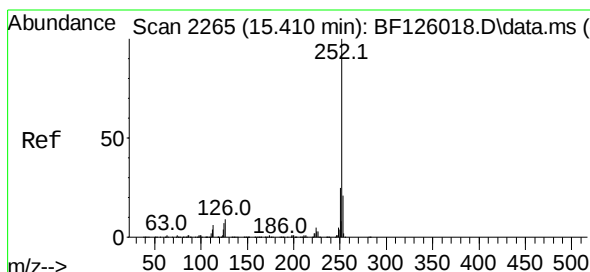
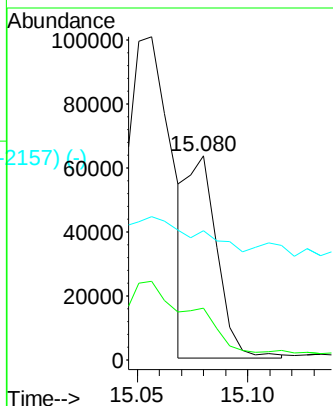
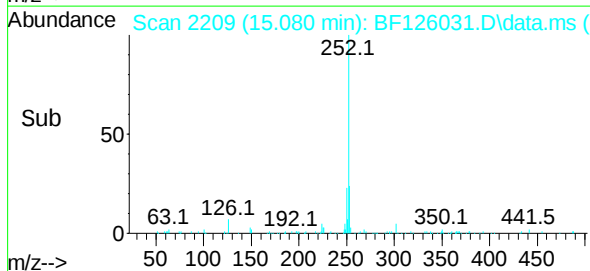
Instrument : BNA_F
 ClientSampleId : FDR-BH-2-20211029-6.5-7



Tgt Ion:252 Resp: 6022
 Ion Ratio Lower Upper
 252 100
 253 25.4 17.8 26.8
 125 63.3 7.2 10.8

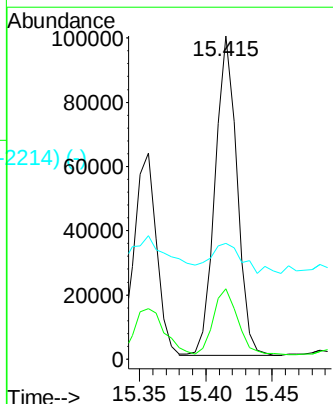
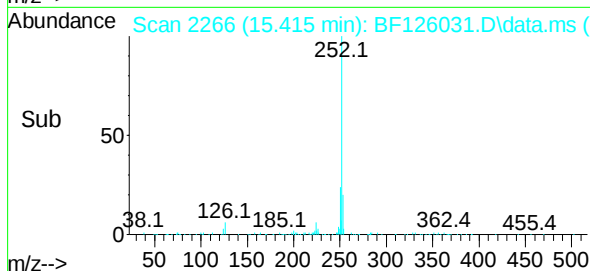
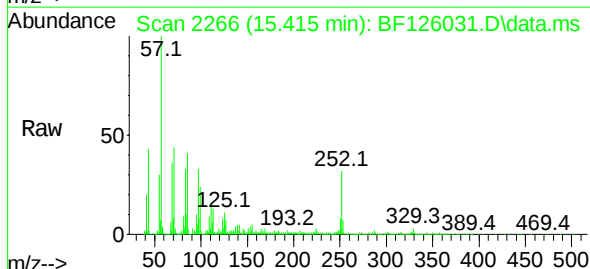
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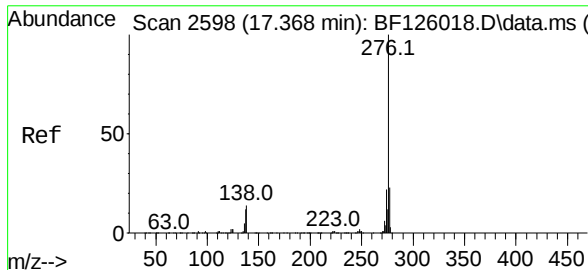
Reviewed By :Christian Giraldo 11/04/2021
 Supervised By :mohammad ahmed 11/08/2021



Scan 2265 (15.410 min): BF126018.D\data.ms (-2265)
 Benzo(a)pyrene
 Concen: 6.55 ng
 RT: 15.415 min Scan# 2266
 Delta R.T. 0.005 min
 Lab File: BF126031.D
 Acq: 3 Nov 2021 21:27

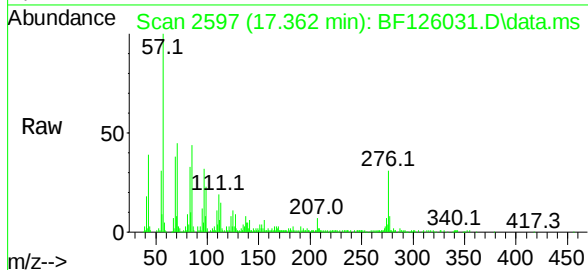
Tgt Ion:252 Resp: 113826
 Ion Ratio Lower Upper
 252 100
 253 21.8 18.4 27.6
 125 35.8 9.9 14.9#





Benzo(g,h,i)perylene
 Concen: 3.22 ng m
 RT: 17.362 min Scan# 2589
 Delta R.T. -0.006 min
 Lab File: BF126031.D
 Acq: 3 Nov 2021 21:27

Instrument : BNA_F
 ClientSampleId :
 FDR-BH-2-20211029-6.5-7



Tgt Ion:	276	Resp:	5089
Ion Ratio	Lower	Upper	
276	100		
277	27.1	22.0	33.0
138	16.5	22.2	33.4

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

