

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110821\
 Data File : BF126065.D
 Acq On : 8 Nov 2021 15:04
 Operator : JU/CG
 Sample : M4472-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-2-KS

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 11/09/2021
 Supervised By :mohammad ahmed 11/09/2021

Quant Time: Nov 08 16:54:54 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	180520	20.000	ng	0.00
21) Naphthalene-d8	8.134	136	632937	20.000	ng	# 0.00
39) Acenaphthene-d10	9.886	164	315197	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	481507	20.000	ng	0.00
76) Chrysene-d12	14.010	240	405344	20.000	ng	# 0.00
86) Perylene-d12	15.474	264	316418	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	955062	90.855	ng	0.01
7) Phenol-d6	6.481	99	1208438	81.549	ng	0.00
23) Nitrobenzene-d5	7.416	82	867198	64.615	ng	0.00
42) 2,4,6-Tribromophenol	10.675	330	282192	78.123	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	1496172	64.146	ng	0.00
79) Terphenyl-d14	12.957	244	1296180	51.565	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.392	178	257664	9.868	ng	99
72) Anthracene	11.445	178	72631	2.786	ng	97
75) Fluoranthene	12.586	202	575602	19.795	ng	95
78) Pyrene	12.816	202	547407	16.840	ng	97
81) Benzo(a)anthracene	13.998	228	250960	9.012	ng	96
83) Chrysene	14.033	228	218100	8.417	ng	97
87) Indeno(1,2,3-cd)pyrene	16.927	276	82716	4.417	ng	# 83
88) Benzo(b)fluoranthene	15.051	252	247907m	12.045	ng	
89) Benzo(k)fluoranthene	15.074	252	66296m	3.321	ng	
90) Benzo(a)pyrene	15.410	252	159769m	9.853	ng	
92) Benzo(g,h,i)perylene	17.368	276	78737	5.337	ng	# 85

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

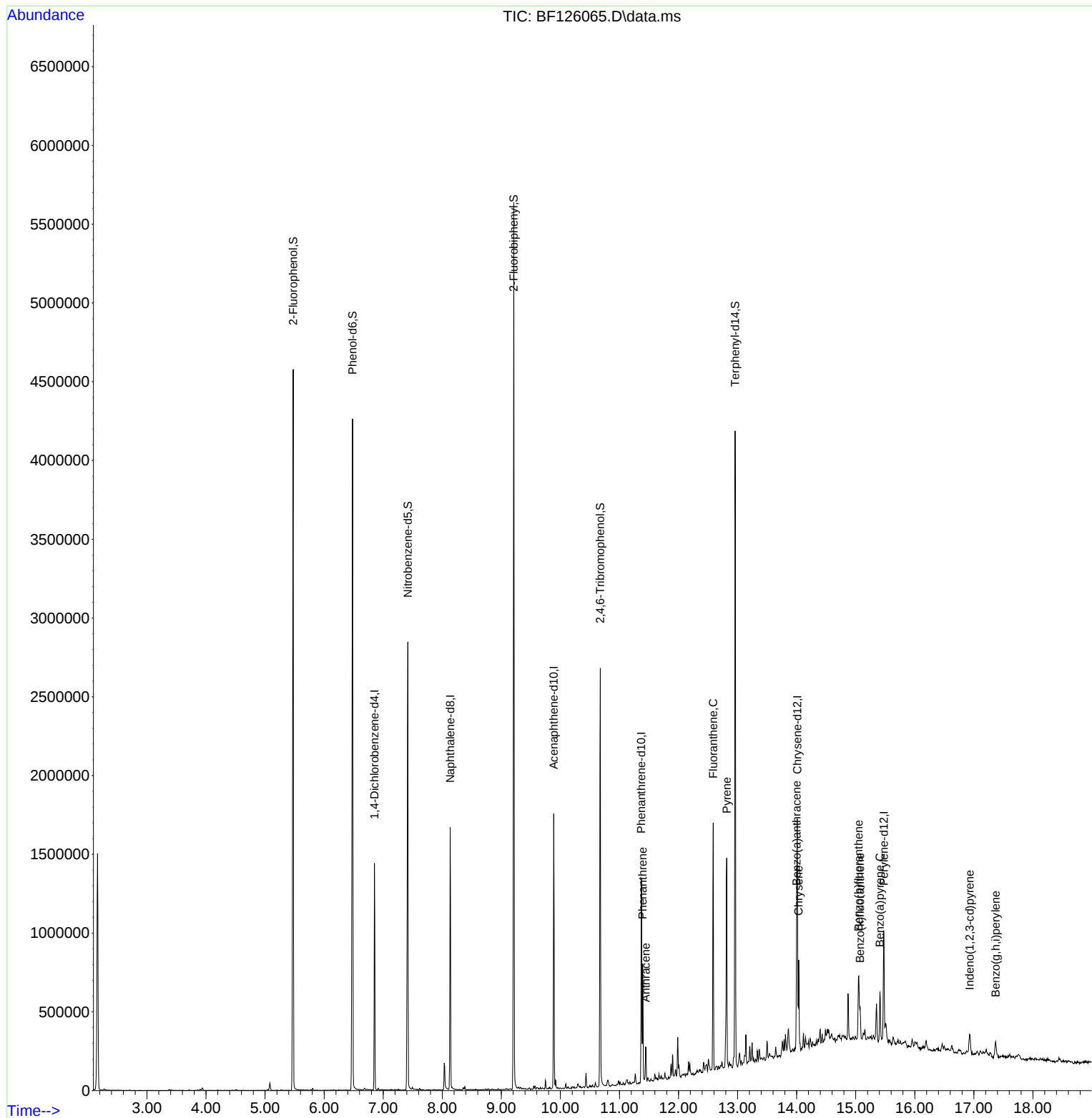
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110821\
Data File : BF126065.D
Acq On : 8 Nov 2021 15:04
Operator : JU/CG
Sample : M4472-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

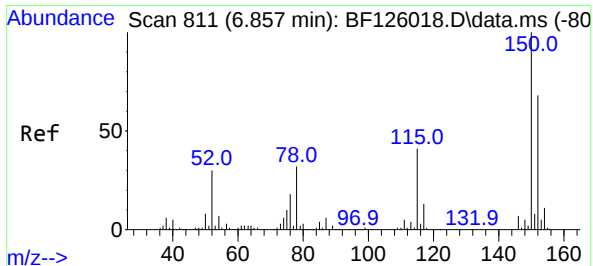
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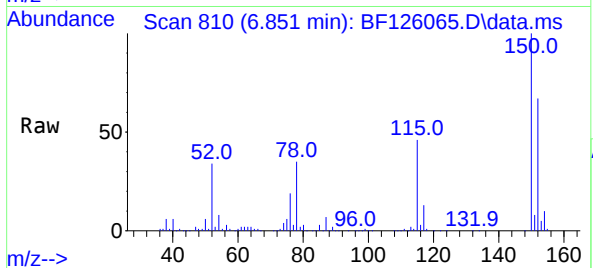
Quant Time: Nov 08 16:54:54 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 03 17:21:25 2021
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF126065.D
Acq: 8 Nov 2021 15:04

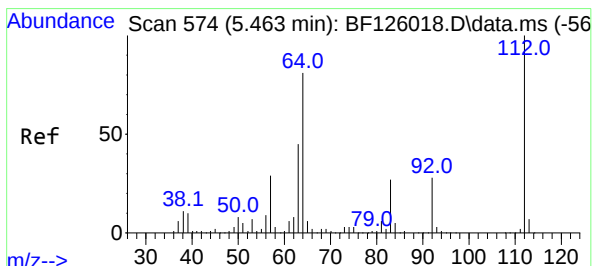
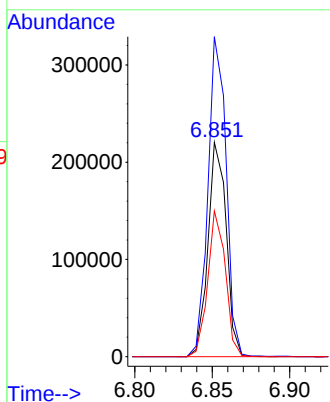
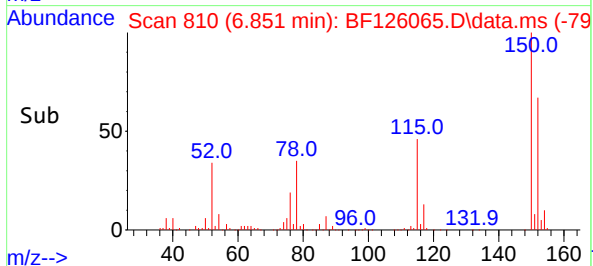
Instrument :
BNA_F
ClientSampleId :
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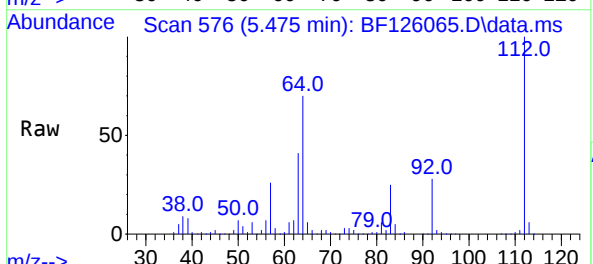
Tgt Ion:152 Resp: 180520
Ion Ratio Lower Upper
152 100
150 149.3 117.6 176.4
115 68.0 47.1 70.7

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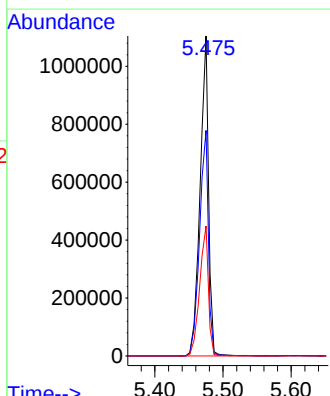
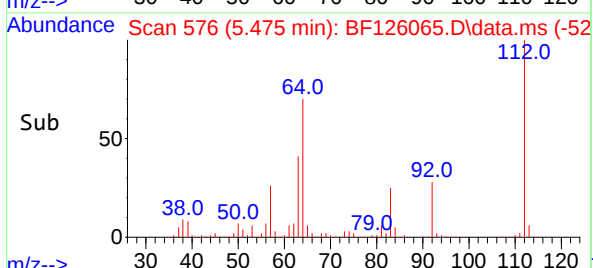
Reviewed By :Jagrut Upadhyay 11/09/2021
Supervised By :mohammad ahmed 11/09/2021

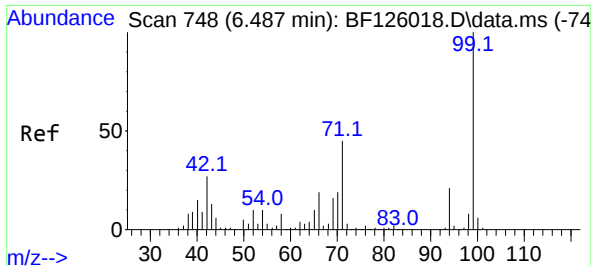


#5
2-Fluorophenol
Concen: 90.855 ng
RT: 5.475 min Scan# 576
Delta R.T. 0.012 min
Lab File: BF126065.D
Acq: 8 Nov 2021 15:04



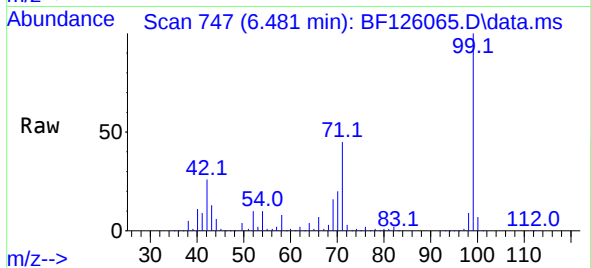
Tgt Ion:112 Resp: 955062
Ion Ratio Lower Upper
112 100
64 70.5 44.2 66.2#
63 40.6 26.2 39.2#





#7
Phenol-d6
Concen: 81.549 ng
RT: 6.481 min Scan# 748
Delta R.T. -0.006 min
Lab File: BF126065.D
Acq: 8 Nov 2021 15:04

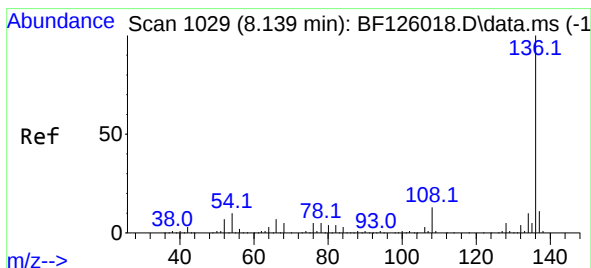
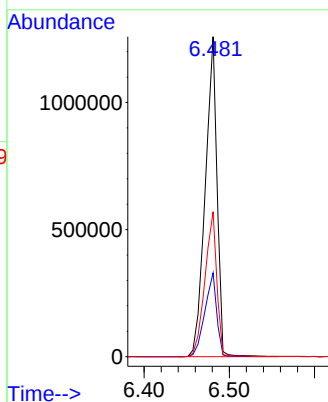
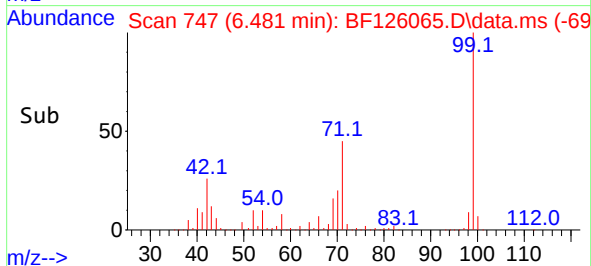
Instrument :
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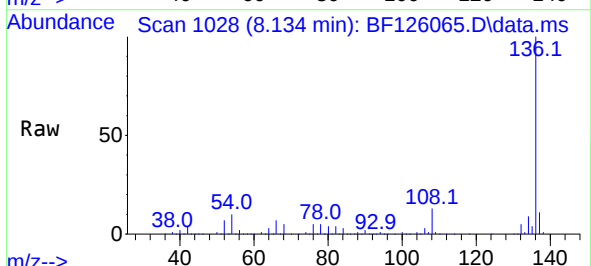
Tgt Ion: 99 Resp: 1208438
Ion Ratio Lower Upper
99 100
42 26.2 23.5 35.3
71 45.3 25.6 38.4

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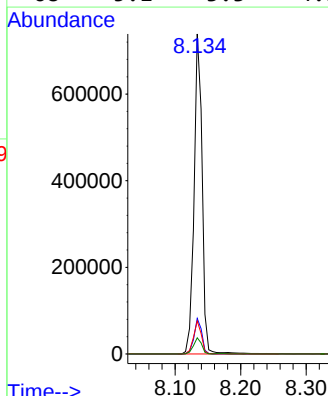
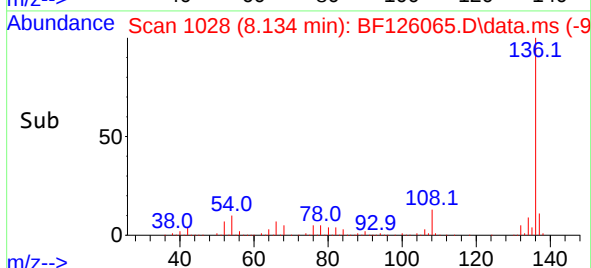
Reviewed By :Jagrut Upadhyay 11/09/2021
Supervised By :mohammad ahmed 11/09/2021

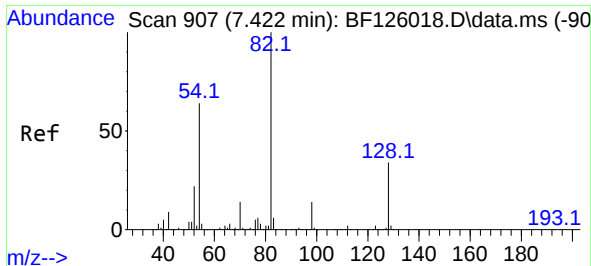


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.134 min Scan# 1028
Delta R.T. -0.005 min
Lab File: BF126065.D
Acq: 8 Nov 2021 15:04



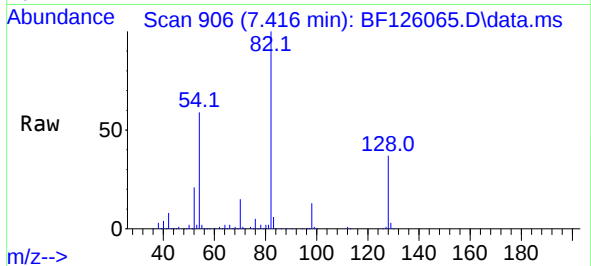
Tgt Ion:136 Resp: 632937
Ion Ratio Lower Upper
136 100
137 11.1 9.8 14.6
54 10.3 6.4 9.6#
68 5.1 3.3 4.9#





#23
Nitrobenzene-d5
Concen: 64.615 ng
RT: 7.416 min Scan# 907
Delta R.T. -0.006 min
Lab File: BF126065.D
Acq: 8 Nov 2021 15:04

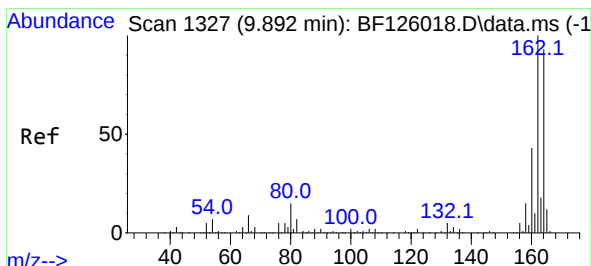
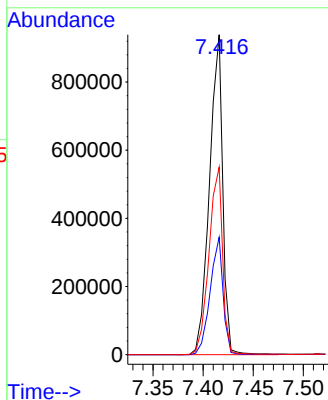
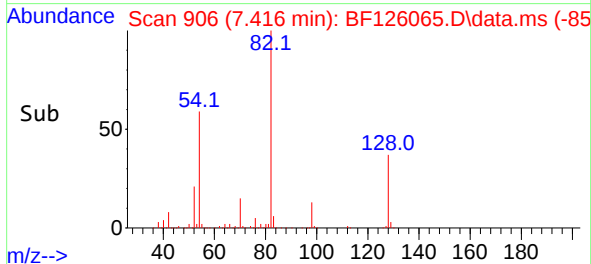
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion: 82 Resp: 867198
Ion Ratio Lower Upper
82 100
128 36.7 40.6 60.8
54 58.6 49.6 74.4

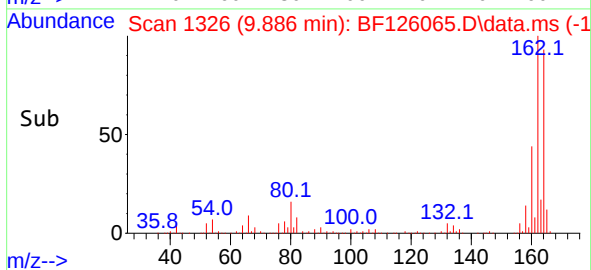
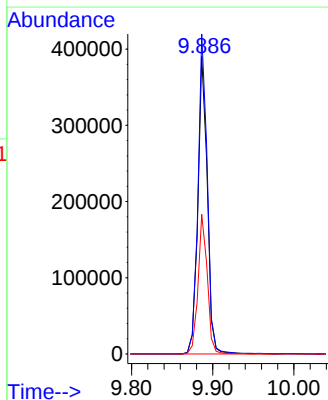
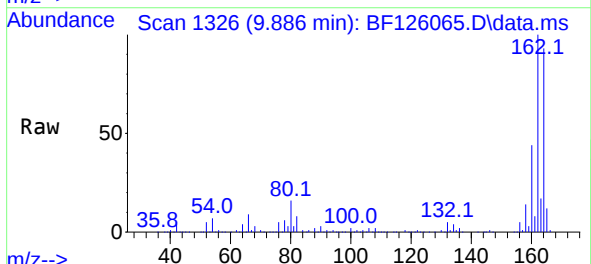
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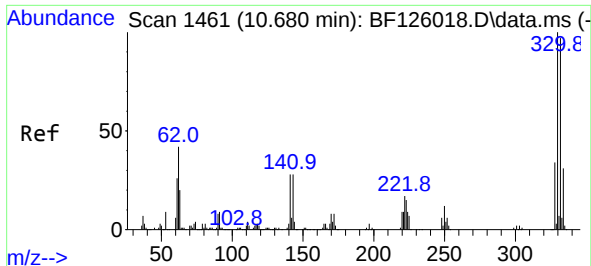
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Supervised By :mohammad ahmed 11/09/2021



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF126065.D
Acq: 8 Nov 2021 15:04

Tgt Ion:164 Resp: 315197
Ion Ratio Lower Upper
164 100
162 107.6 81.3 121.9
160 46.9 38.0 57.0





#42
2,4,6-Tribromophenol
Concen: 78.123 ng
RT: 10.675 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF126065.D
Acq: 8 Nov 2021 15:04

Instrument :

BNA_F

ClientSampleId :

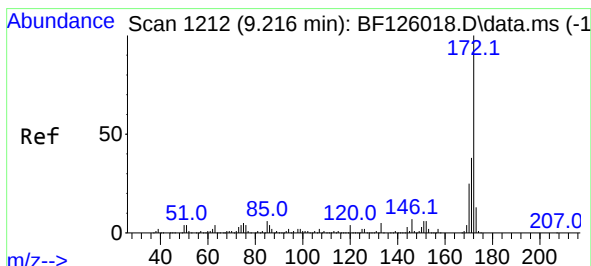
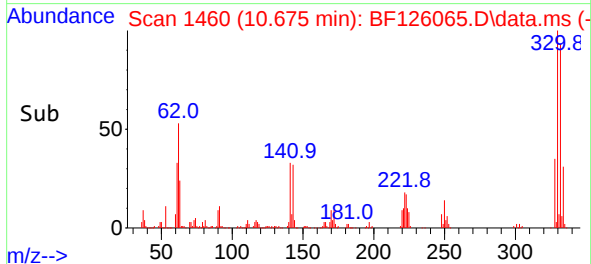
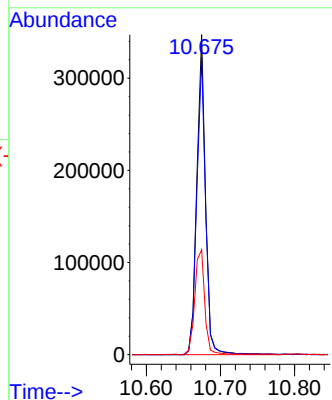
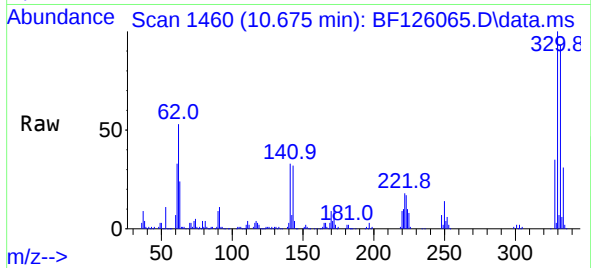
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Tgt Ion:330 Resp: 282192
Ion Ratio Lower Upper
330 100
332 94.7 76.2 114.4
141 38.1 44.6 66.8

Manual Integrations

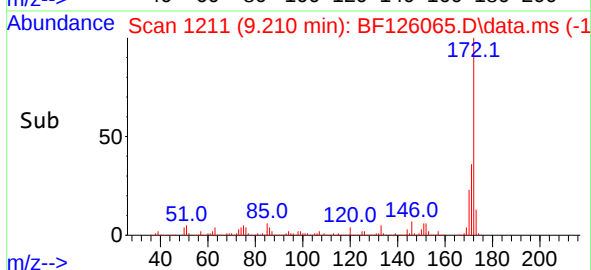
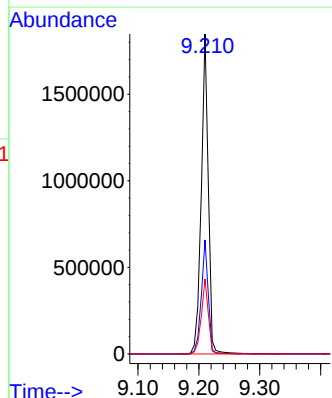
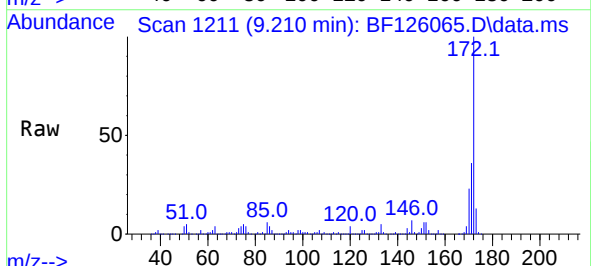
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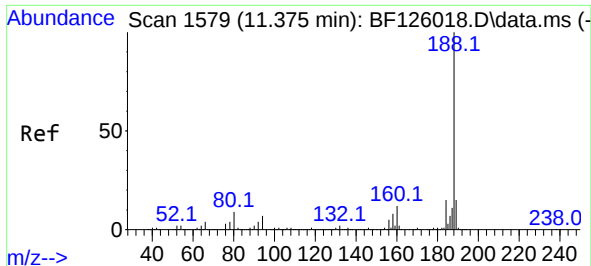
Reviewed By :Jagrut Upadhyay 11/09/2021
Supervised By :mohammad ahmed 11/09/2021



#45
2-Fluorobiphenyl
Concen: 64.146 ng
RT: 9.210 min Scan# 1211
Delta R.T. -0.006 min
Lab File: BF126065.D
Acq: 8 Nov 2021 15:04

Tgt Ion:172 Resp: 1496172
Ion Ratio Lower Upper
172 100
171 35.7 26.5 39.7
170 23.4 18.8 28.2





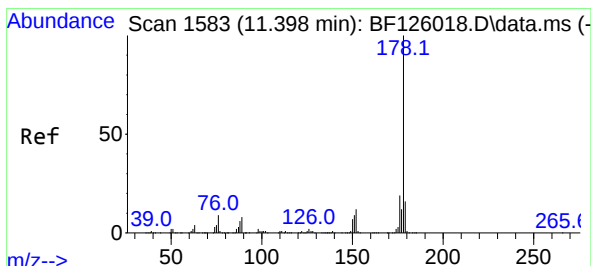
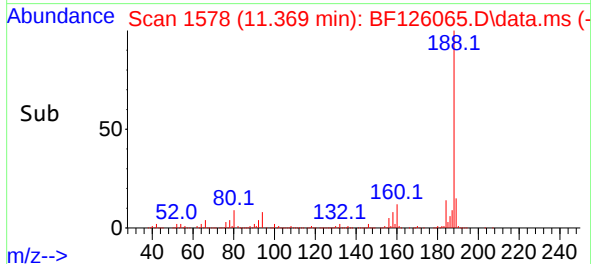
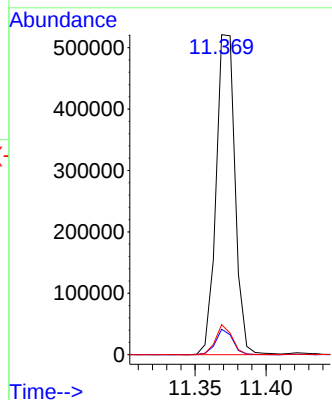
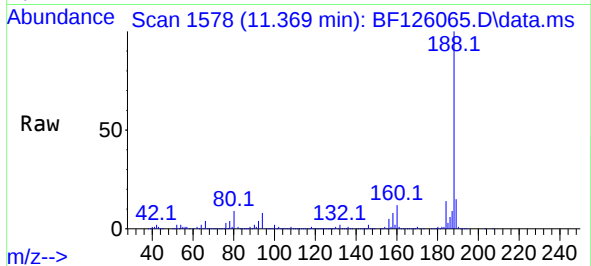
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126065.D
Acq: 8 Nov 2021 15:04

Instrument :
BNA_F
ClientSampleId :
WC-2-KS

Tgt Ion:188 Resp: 48150
Ion Ratio Lower Upper
188 100
94 7.9 6.7 10.1
80 9.4 7.5 11.3

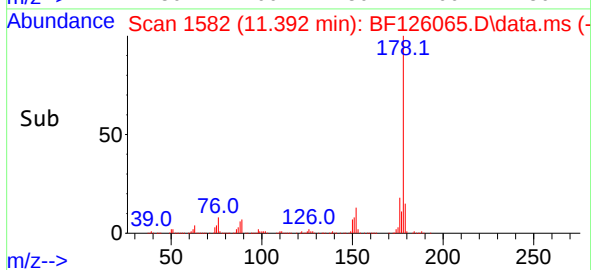
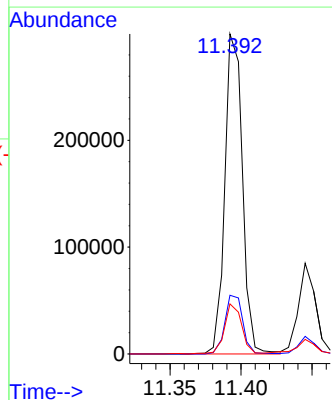
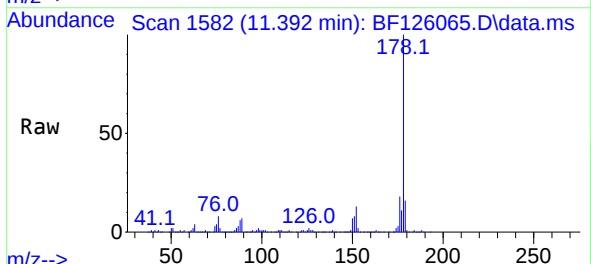
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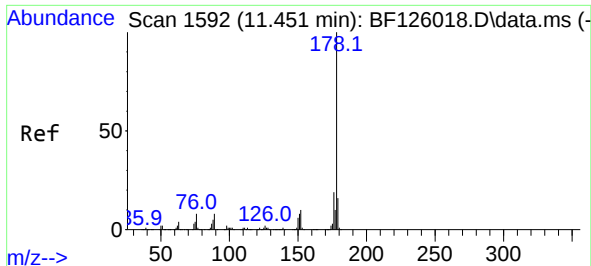
Reviewed By :Jagrut Upadhyay 11/09/2021
Supervised By :mohammad ahmed 11/09/2021



#71
Phenanthrene
Concen: 9.868 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF126065.D
Acq: 8 Nov 2021 15:04

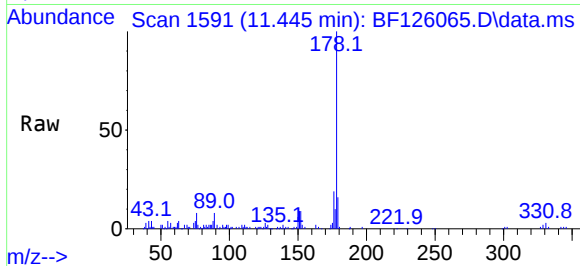
Tgt Ion:178 Resp: 257664
Ion Ratio Lower Upper
178 100
176 18.3 14.7 22.1
179 15.6 11.5 17.3





#72
 Anthracene
 Concen: 2.786 ng
 RT: 11.445 min Scan# 1592
 Delta R.T. -0.006 min
 Lab File: BF126065.D
 Acq: 8 Nov 2021 15:04

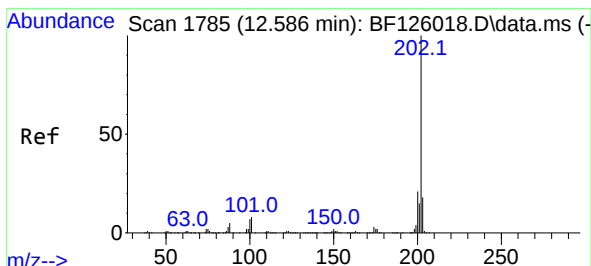
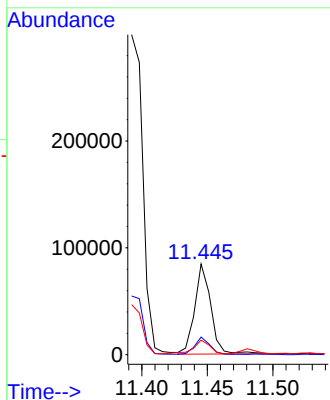
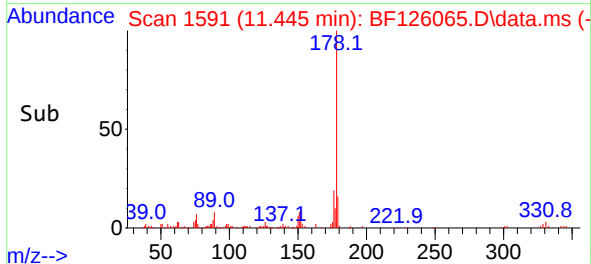
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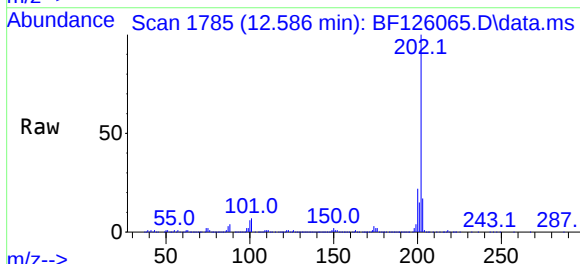
Tgt Ion:178 Resp: 7263
 Ion Ratio Lower Upper
 178 100
 176 19.5 14.3 21.5
 179 16.1 12.2 18.4

Manual Integrations
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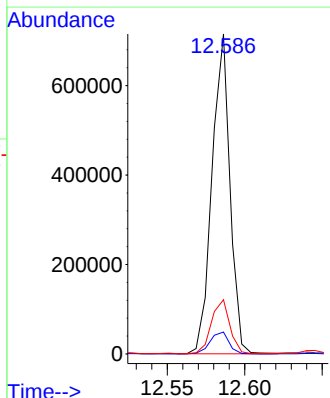
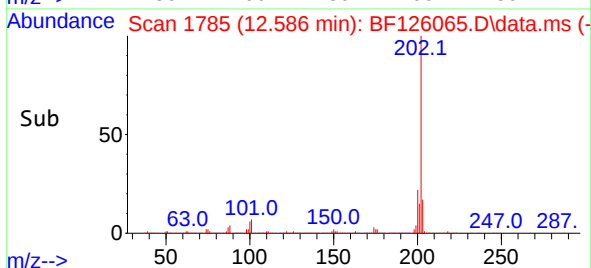
Reviewed By :Jagrut Upadhyay 11/09/2021
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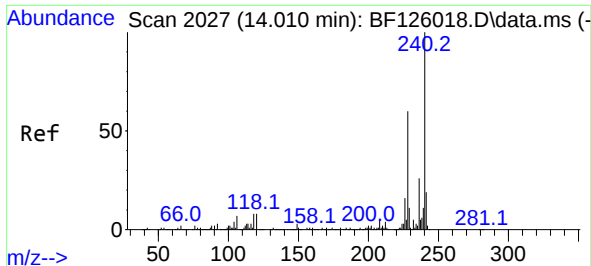


#75
 Fluoranthene
 Concen: 19.795 ng
 RT: 12.586 min Scan# 1785
 Delta R.T. 0.000 min
 Lab File: BF126065.D
 Acq: 8 Nov 2021 15:04



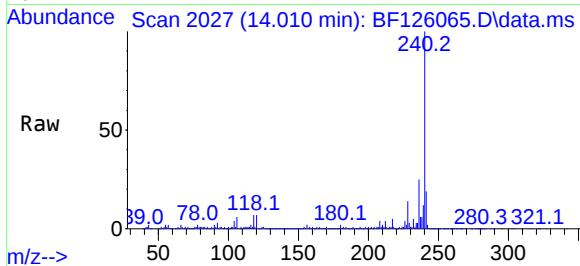
Tgt Ion:202 Resp: 575602
 Ion Ratio Lower Upper
 202 100
 101 6.8 0.0 30.7
 203 17.0 0.0 36.3





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2027
Delta R.T. -0.000 min
Lab File: BF126065.D
Acq: 8 Nov 2021 15:04

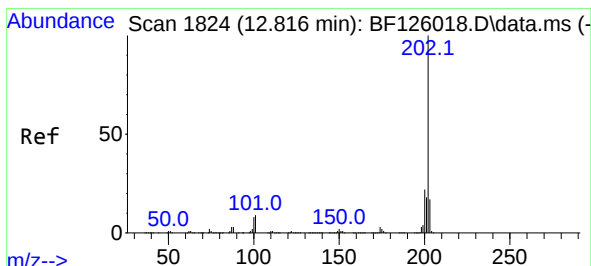
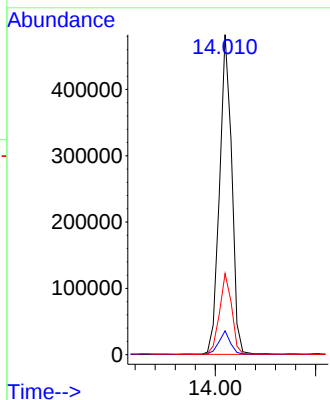
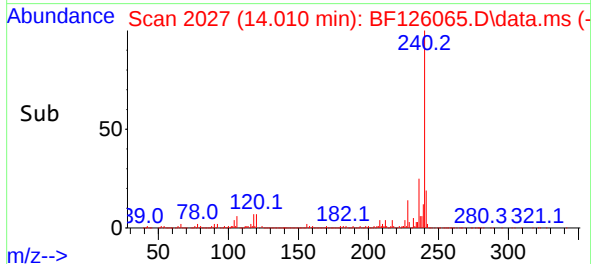
Instrument :
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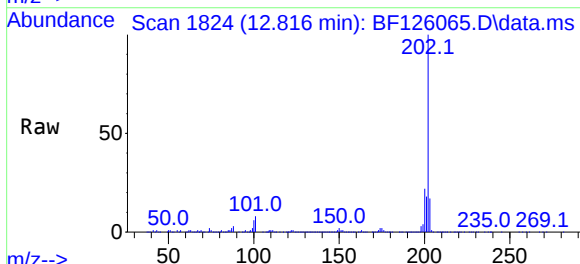
Tgt Ion:240 Resp: 405344
Ion Ratio Lower Upper
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120 7.4 10.8 16.2
236 25.4 21.6 32.4

Manual Integrations
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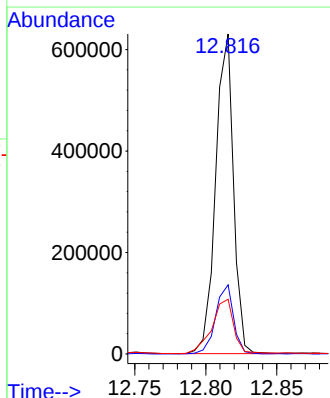
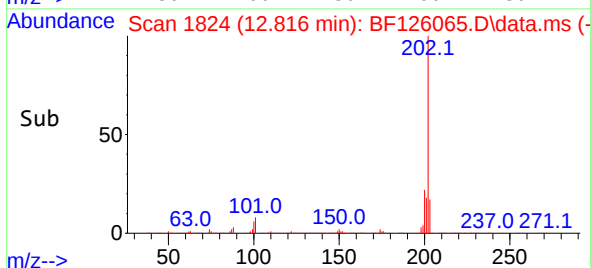
Reviewed By :Jagrut Upadhyay 11/09/2021
Supervised By :mohammad ahmed 11/09/2021

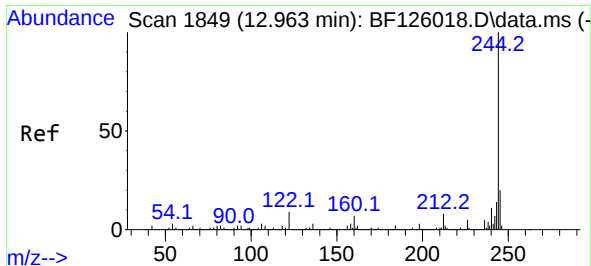


#78
Pyrene
Concen: 16.840 ng
RT: 12.816 min Scan# 1824
Delta R.T. -0.000 min
Lab File: BF126065.D
Acq: 8 Nov 2021 15:04



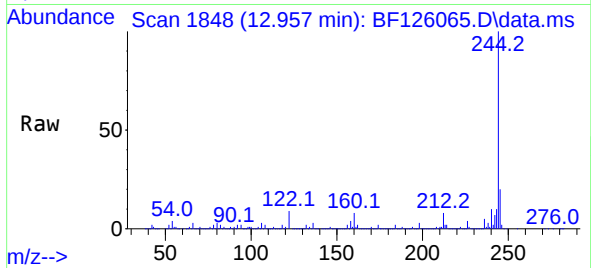
Tgt Ion:202 Resp: 547407
Ion Ratio Lower Upper
202 100
200 21.6 15.3 22.9
203 17.1 13.4 20.0





#79
Terphenyl-d14
Concen: 51.565 ng
RT: 12.957 min Scan# 1848
Delta R.T. -0.006 min
Lab File: BF126065.D
Acq: 8 Nov 2021 15:04

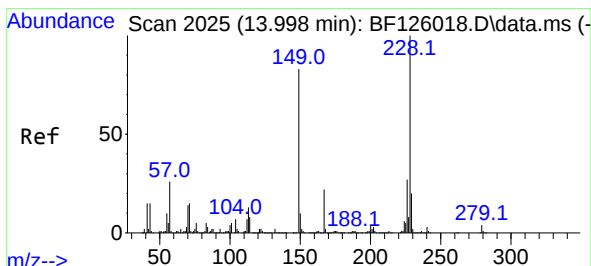
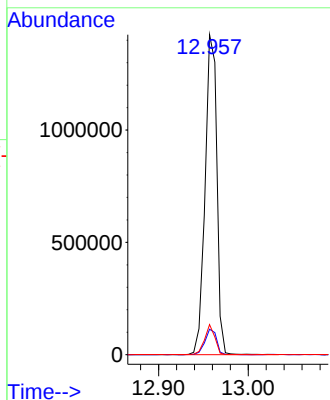
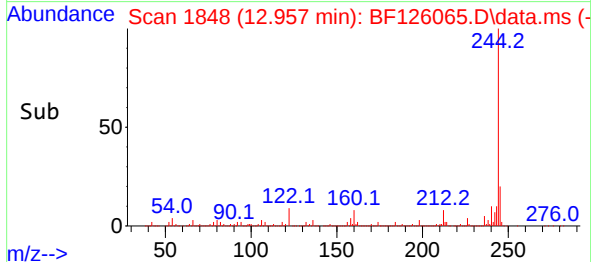
Instrument :
BNA_F
ClientSampleId :
WC-2-KS



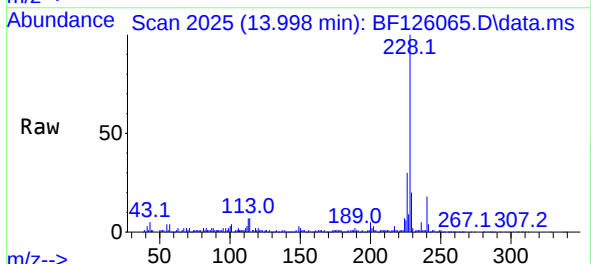
Tgt Ion:244 Resp: 1296180
Ion Ratio Lower Upper
244 100
212 8.0 5.9 8.9
122 9.4 9.0 13.4

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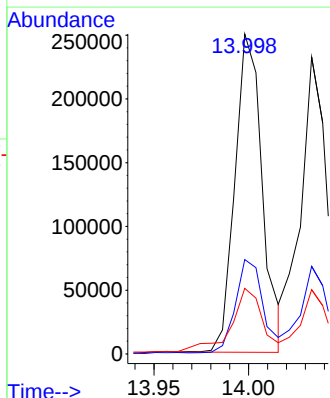
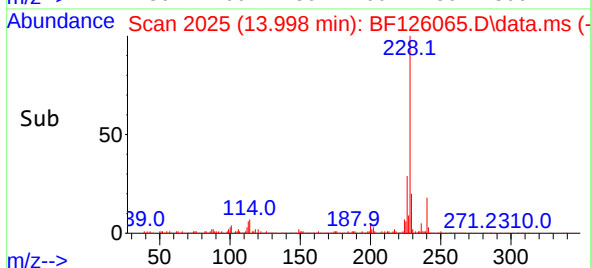
Reviewed By :Jagrut Upadhyay 11/09/2021
Supervised By :mohammad ahmed 11/09/2021

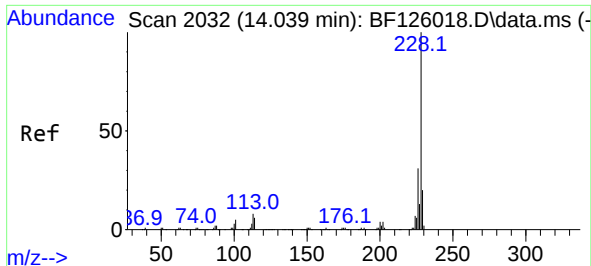


#81
Benzo(a)anthracene
Concen: 9.012 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.000 min
Lab File: BF126065.D
Acq: 8 Nov 2021 15:04



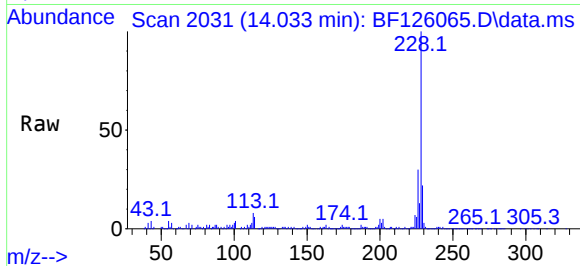
Tgt Ion:228 Resp: 250960
Ion Ratio Lower Upper
228 100
226 29.5 21.6 32.4
229 20.5 15.6 23.4





#83
Chrysene
Concen: 8.417 ng
RT: 14.033 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF126065.D
Acq: 8 Nov 2021 15:04

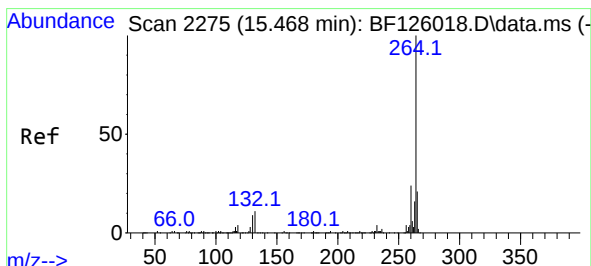
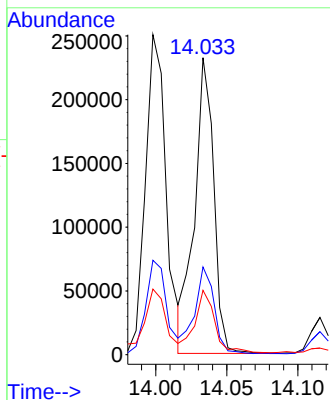
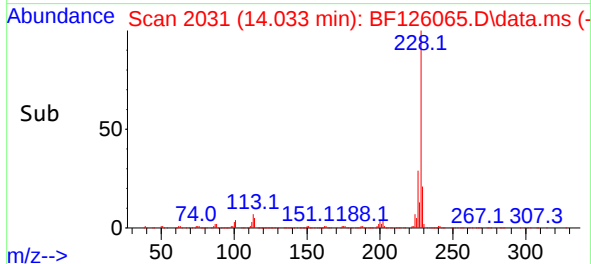
Instrument :
BNA_F
ClientSampleId :
WC-2-KS



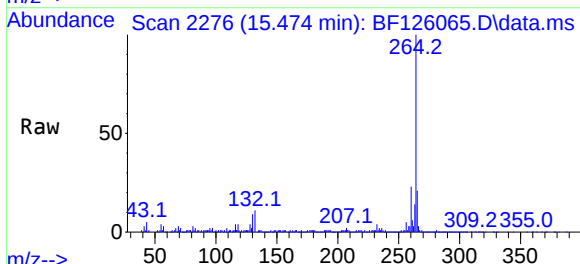
Tgt Ion:228 Resp: 218100
Ion Ratio Lower Upper
228 100
226 29.5 22.6 34.0
229 21.7 15.9 23.9

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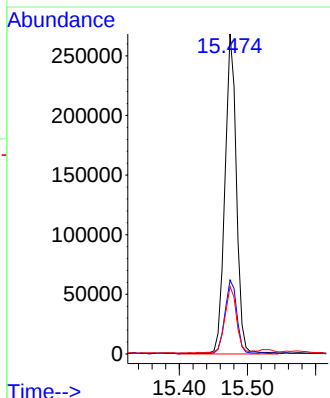
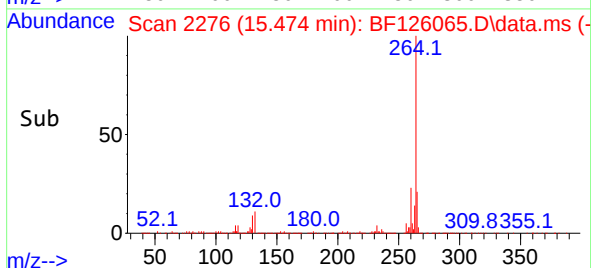
Reviewed By :Jagrut Upadhyay 11/09/2021
Supervised By :mohammad ahmed 11/09/2021

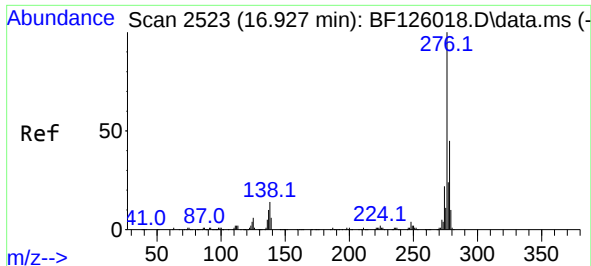


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.474 min Scan# 2276
Delta R.T. 0.006 min
Lab File: BF126065.D
Acq: 8 Nov 2021 15:04



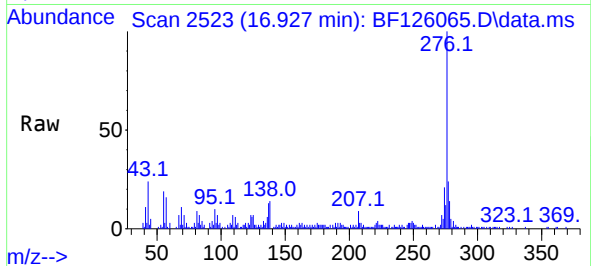
Tgt Ion:264 Resp: 316418
Ion Ratio Lower Upper
264 100
260 23.1 19.6 29.4
265 21.1 17.2 25.8





#87
Indeno(1,2,3-cd)pyrene
Concen: 4.417 ng
RT: 16.927 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF126065.D
Acq: 8 Nov 2021 15:04

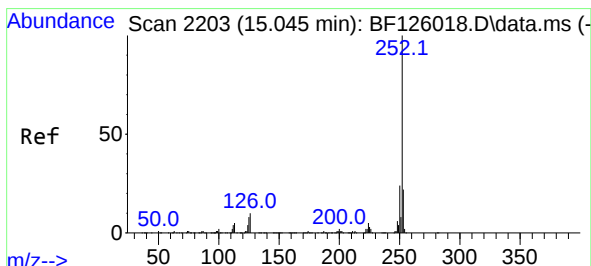
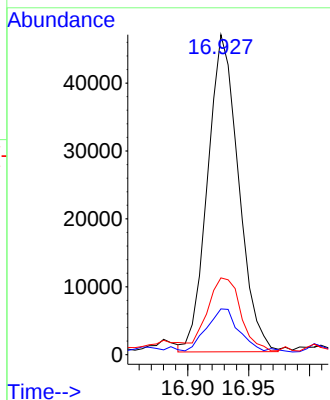
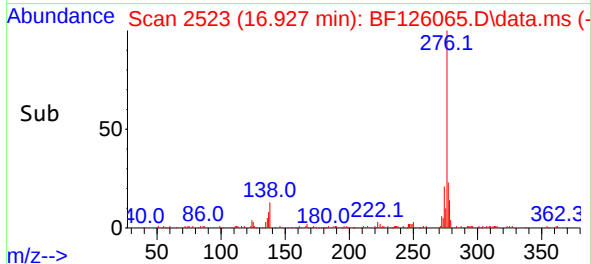
Instrument :
BNA_F
ClientSampleId :
WC-2-KS



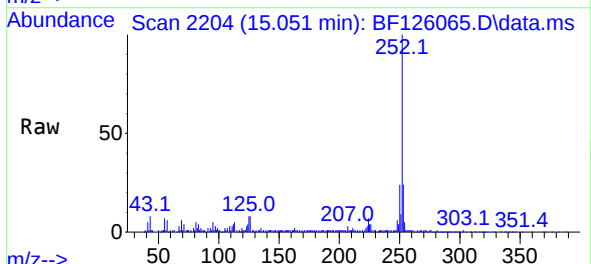
Tgt Ion:276 Resp: 82710
Ion Ratio Lower Upper
276 100
138 14.4 24.1 36.1
277 24.5 18.8 28.2

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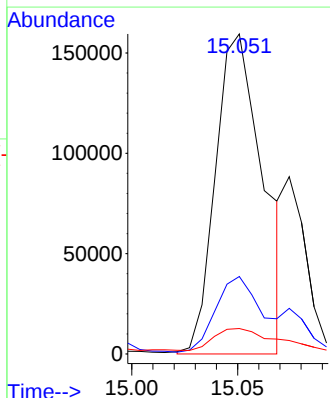
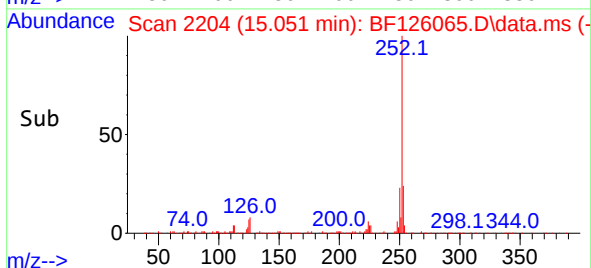
Reviewed By :Jagrut Upadhyay 11/09/2021
Supervised By :mohammad ahmed 11/09/2021

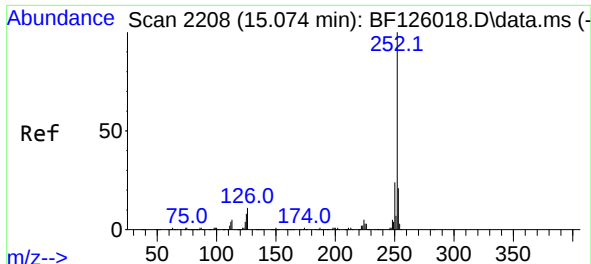


#88
Benzo(b)fluoranthene
Concen: 12.045 ng m
RT: 15.051 min Scan# 2204
Delta R.T. 0.006 min
Lab File: BF126065.D
Acq: 8 Nov 2021 15:04



Tgt Ion:252 Resp: 247907
Ion Ratio Lower Upper
252 100
253 24.2 16.8 25.2
125 8.0 9.8 14.8





#89

Benzo(k)fluoranthene

Concen: 3.321 ng m

RT: 15.074 min Scan# 2208

Delta R.T. 0.000 min

Lab File: BF126065.D

Acq: 8 Nov 2021 15:04

Instrument :

BNA_F

ClientSampleId :

WC-2-KS

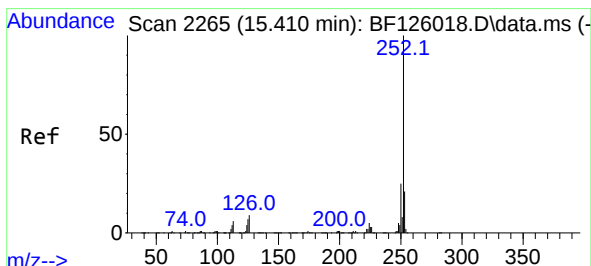
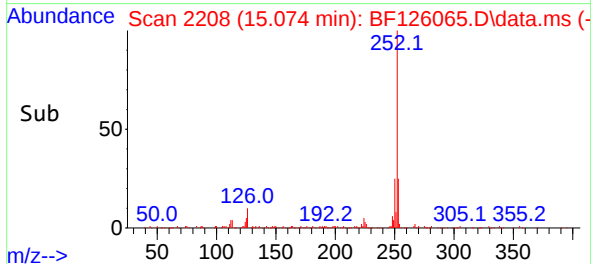
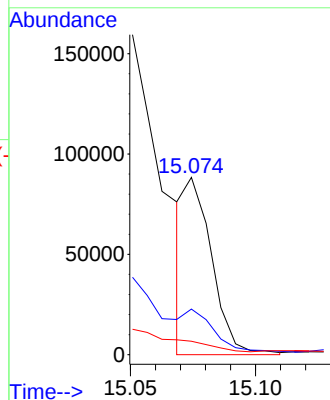
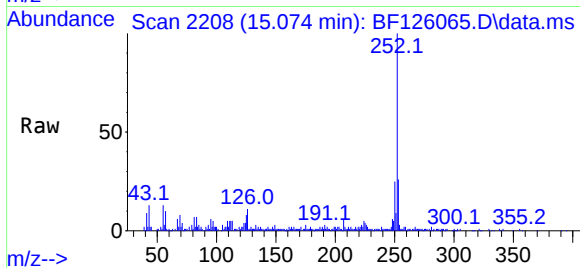
Tgt Ion:252 Resp: 66290

Ion	Ratio	Lower	Upper
252	100		
253	25.7	17.8	26.8
125	7.6	7.2	10.8

Manual Integrations

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Reviewed By :Jagrut Upadhyay 11/09/2021
Supervised By :mohammad ahmed 11/09/2021



#90

Benzo(a)pyrene

Concen: 9.853 ng m

RT: 15.410 min Scan# 2265

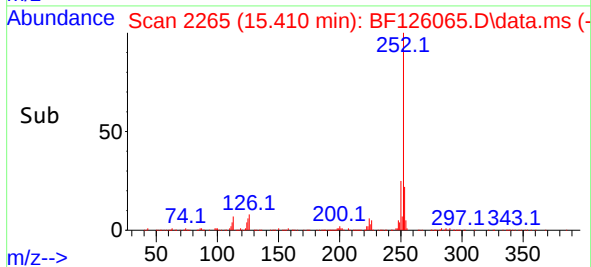
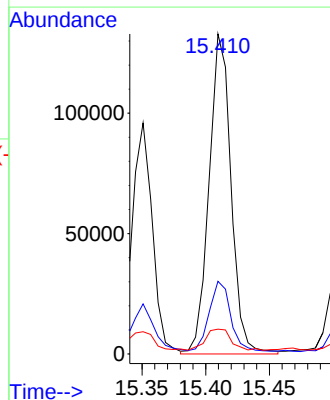
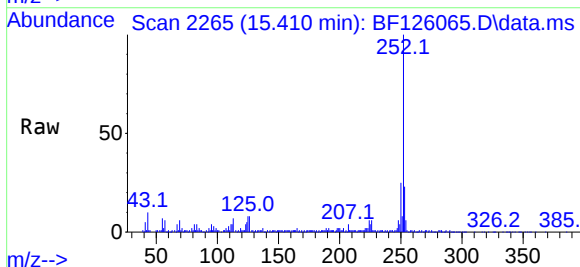
Delta R.T. -0.000 min

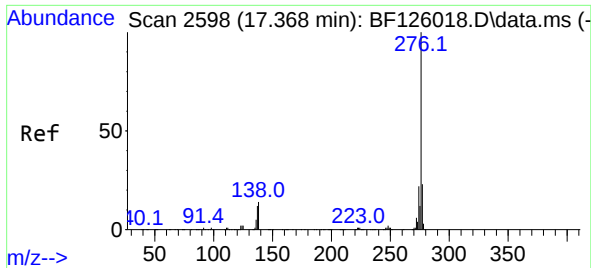
Lab File: BF126065.D

Acq: 8 Nov 2021 15:04

Tgt Ion:252 Resp: 159769

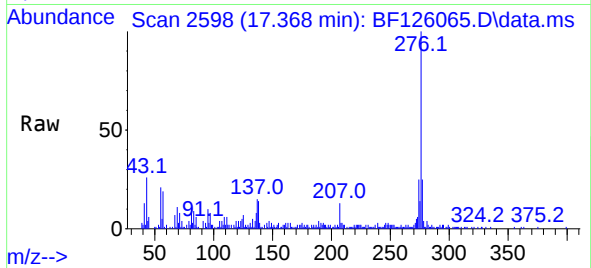
Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.4	27.6
125	7.7	9.9	14.9





#92
Benzo(g,h,i)perylene
Concen: 5.337 ng
RT: 17.368 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF126065.D
Acq: 8 Nov 2021 15:04

Instrument :
BNA_F
ClientSampleId :
WC-2-KS



Tgt Ion:276 Resp: 7873
Ion Ratio Lower Upper
276 100
277 25.5 22.0 33.0
138 14.3 22.2 33.4

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/09/2021
Supervised By :mohammad ahmed 11/09/2021

