

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111021\
 Data File : BF126113.D
 Acq On : 10 Nov 2021 18:15
 Operator : JU/CG
 Sample : M4576-05 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DW-3

Manual Integrations
 APPROVED

Reviewed By :Jagrut
 Upadhyay

Supervised By :mohammad
 ahmed
 11/11/2021

Quant Time: Nov 11 09:31:02 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)
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Internal Standards

1) 1,4-Dichlorobenzene-d4	6.851	152	169647	20.000	ng	0.00
21) Naphthalene-d8	8.134	136	562426	20.000	ng	# 0.00
39) Acenaphthene-d10	9.886	164	290625	20.000	ng	0.00
64) Phenanthrene-d10	11.380	188	477766	20.000	ng	0.00
76) Chrysene-d12	14.033	240	412326	20.000	ng	# 0.02
86) Perylene-d12	15.504	264	331066	20.000	ng	# 0.04

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System Monitoring Compounds

5) 2-Fluorophenol	5.469	112	546860	55.357	ng	0.00
7) Phenol-d6	6.481	99	675480	48.505	ng	0.00
23) Nitrobenzene-d5	7.410	82	472822	39.647	ng	-0.01
42) 2,4,6-Tribromophenol	10.675	330	174202	52.304	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	801259	37.257	ng	0.00
79) Terphenyl-d14	12.963	244	744876	29.131	ng	0.00

Target Compounds

Compound	R.T.	QIon	Response	Conc	Units	Qvalue
52) Acenaphthene	9.922	154	144472	8.566	ng	99
55) Dibenzofuran	10.092	168	136742	5.386	ng	98
58) Fluorene	10.433	166	248361	12.185	ng	99
71) Phenanthrene	11.410	178	4071554m	157.146	ng	
72) Anthracene	11.451	178	474723	18.352	ng	97
73) Carbazole	11.604	167	398203	16.598	ng	99
75) Fluoranthene	12.616	202	6680404	231.540	ng	87
78) Pyrene	12.839	202	5724105	173.108	ng	# 85
81) Benzo(a)anthracene	14.021	228	2867902	101.246	ng	95
83) Chrysene	14.063	228	3418543	129.703	ng	92
84) Bis(2-ethylhexyl)phtha...	14.004	149	457977	27.435	ng	# 98
87) Indeno(1,2,3-cd)pyrene	16.986	276	1324590	67.596	ng	# 80
88) Benzo(b)fluoranthene	15.086	252	3961030m	183.940	ng	
89) Benzo(k)fluoranthene	15.110	252	981328m	46.978	ng	
90) Benzo(a)pyrene	15.451	252	2037107m	120.073	ng	
91) Dibenzo(a,h)anthracene	16.992	278	336192m	20.888	ng	
92) Benzo(g,h,i)perylene	17.433	276	1146071	74.248	ng	# 82

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

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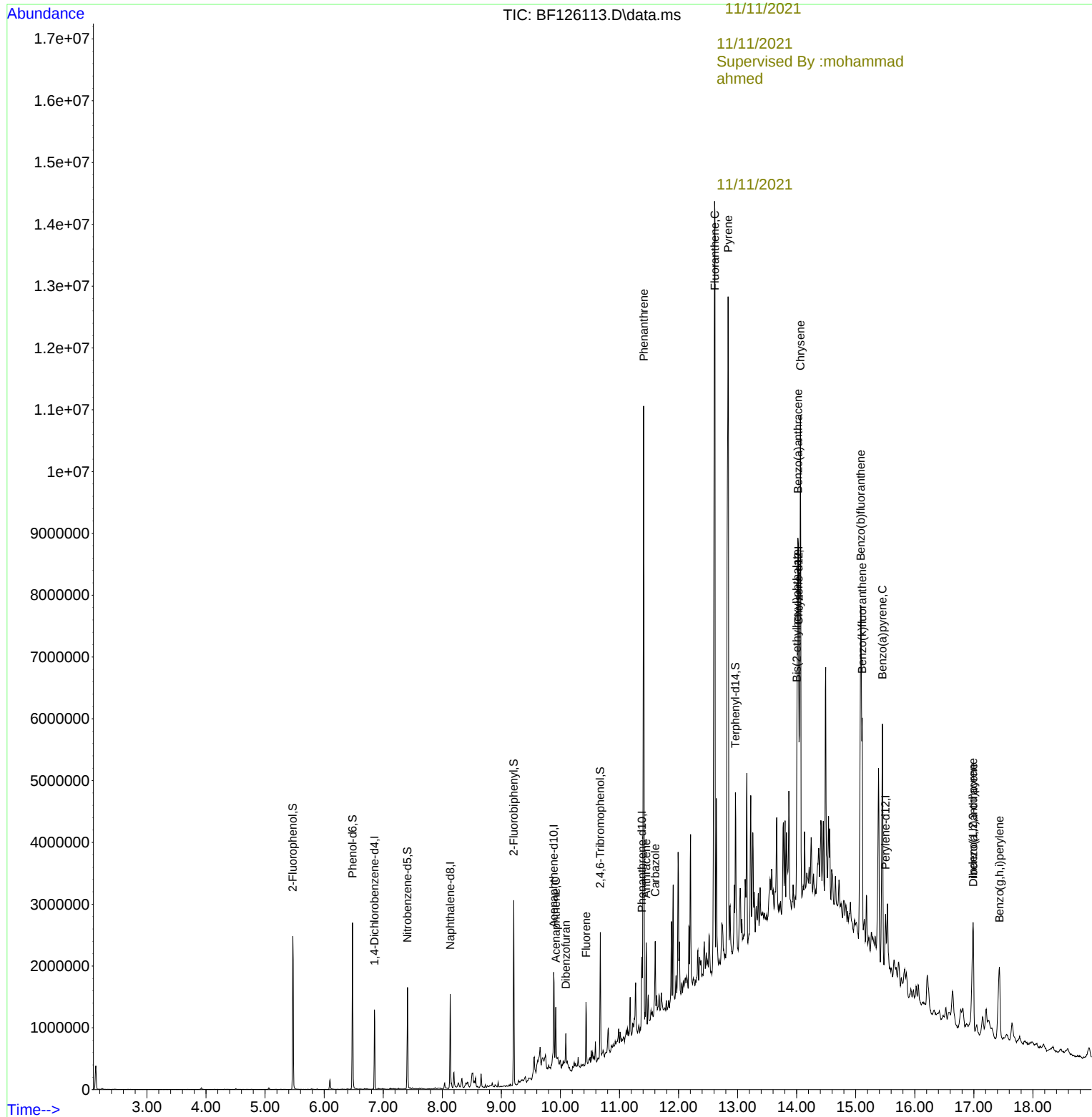
Quant Time: Nov 11 09:31:02 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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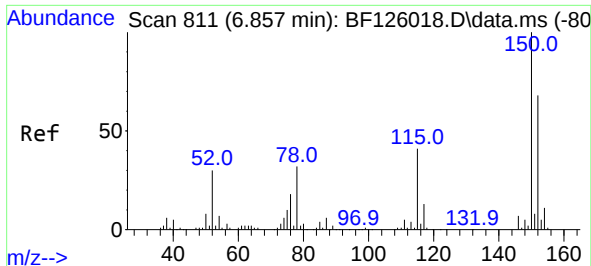
Manual Integrations
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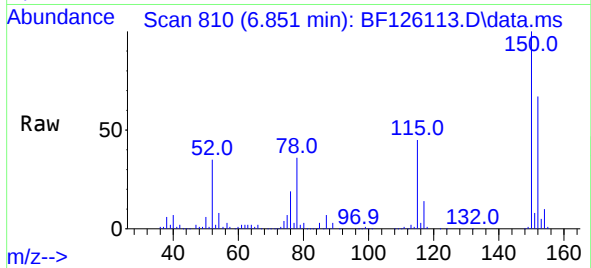
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF126113.D
Acq: 10 Nov 2021 18:15

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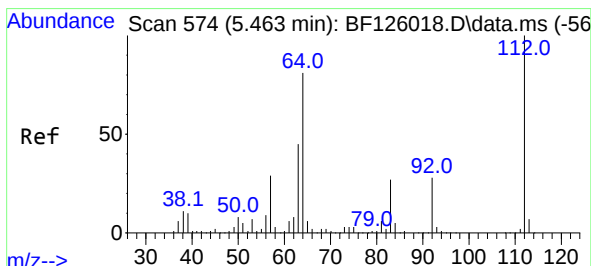
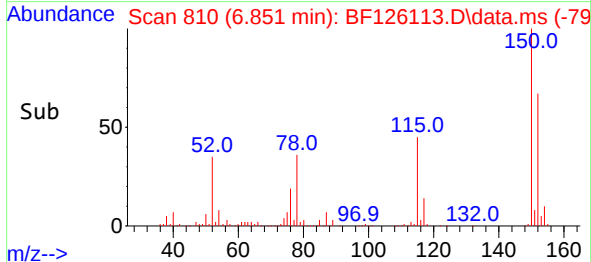
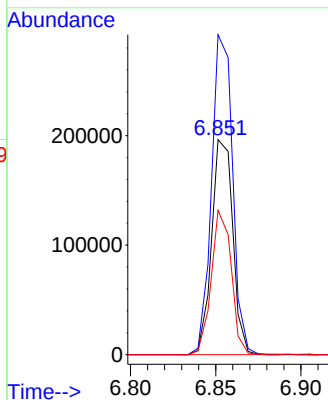
Tgt Ion:152 Resp: 16964
Ion Ratio Lower Upper
152 100
150 148.8 117.6 176.4
115 67.1 47.1 70.7

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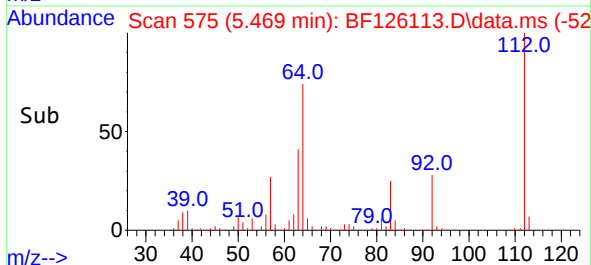
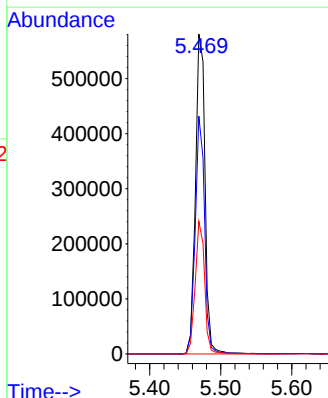
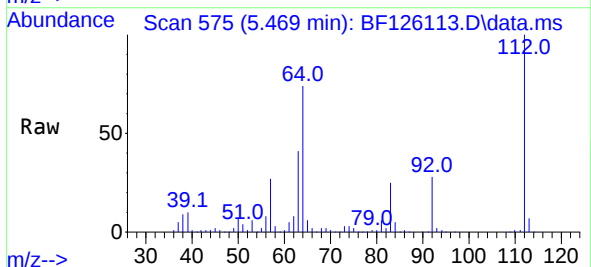
Supervised By :mohammad
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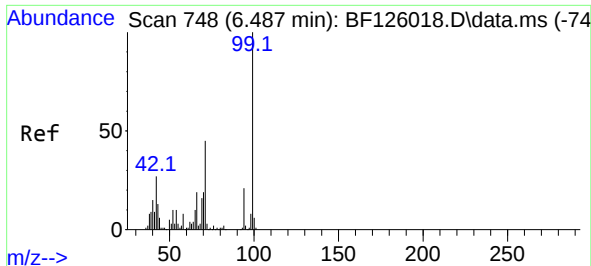
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#5
2-Fluorophenol
Concen: 55.357 ng
RT: 5.469 min Scan# 575
Delta R.T. 0.006 min
Lab File: BF126113.D
Acq: 10 Nov 2021 18:15

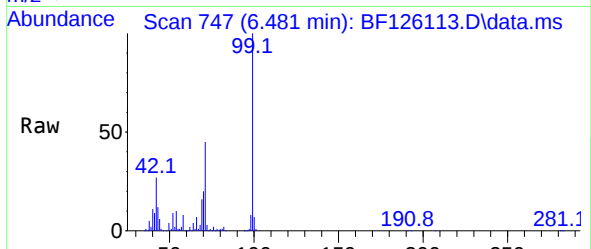
Tgt Ion:112 Resp: 546860
Ion Ratio Lower Upper
112 100
64 74.3 44.2 66.2#
63 41.5 26.2 39.2#





#7
Phenol-d6
Concen: 48.505 ng
RT: 6.481 min Scan# 748
Delta R.T. -0.006 min
Lab File: BF126113.D
Acq: 10 Nov 2021 18:15

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Tgt Ion: 99 Resp: 675480
Ion Ratio Lower Upper
99 100
42 26.6 23.5 35.3
71 45.3 25.6 38.4

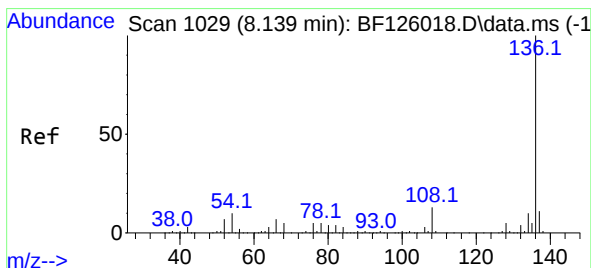
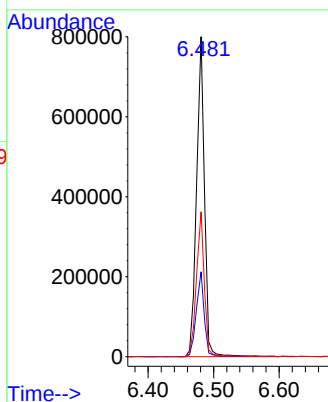
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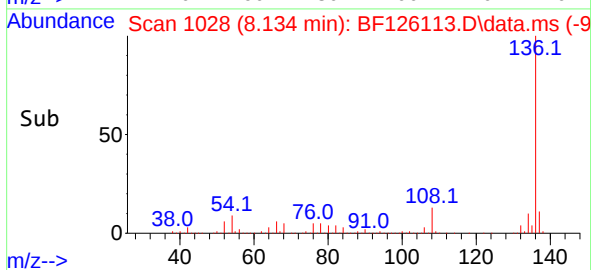
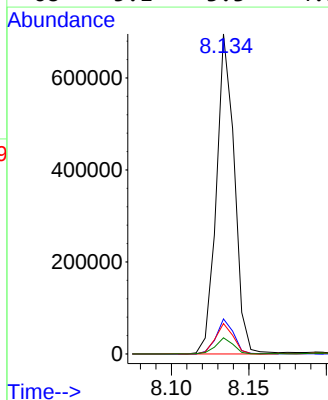
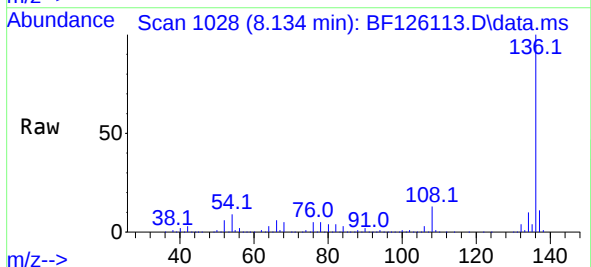
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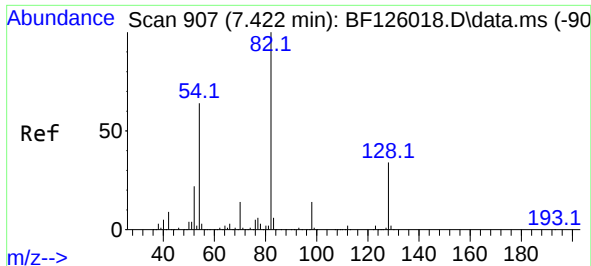
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.134 min Scan# 1028
Delta R.T. -0.005 min
Lab File: BF126113.D
Acq: 10 Nov 2021 18:15

Tgt Ion:136 Resp: 562426
Ion Ratio Lower Upper
136 100
137 10.9 9.8 14.6
54 9.5 6.4 9.6
68 5.1 3.3 4.9





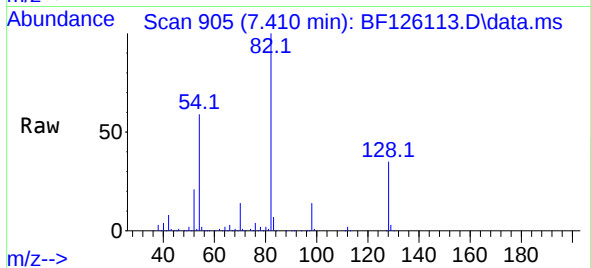
#23
Nitrobenzene-d5
Concen: 39.647 ng
RT: 7.410 min Scan# 907
Delta R.T. -0.012 min
Lab File: BF126113.D
Acq: 10 Nov 2021 18:15

Instrument :

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ClientSampleId :

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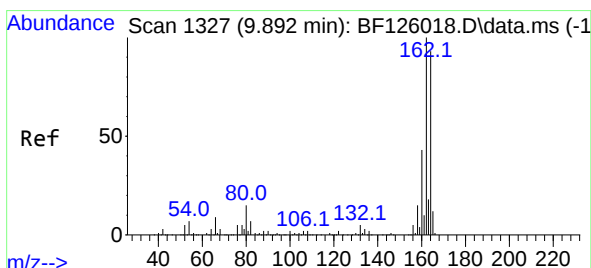
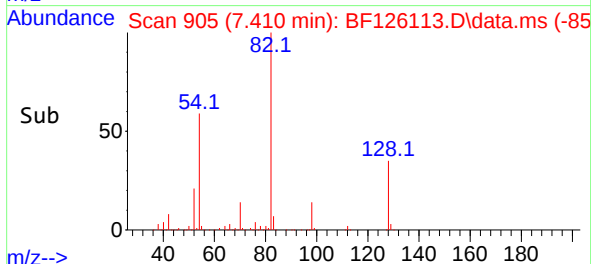
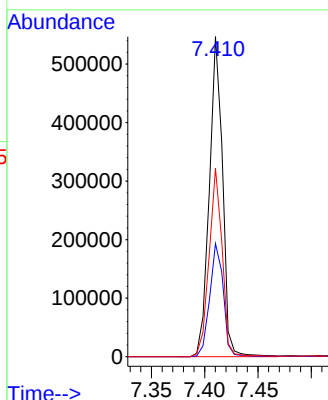
Tgt Ion: 82 Resp: 472822
Ion Ratio Lower Upper
82 100
128 35.4 40.6 60.8
54 58.9 49.6 74.4

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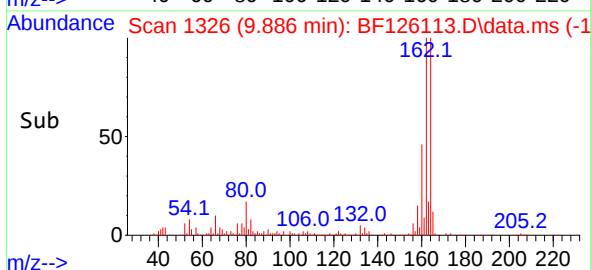
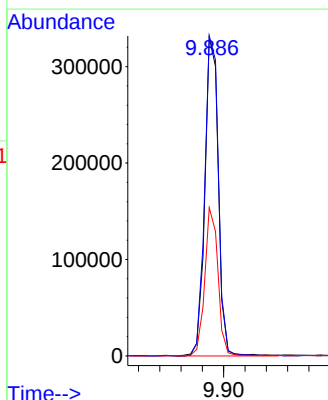
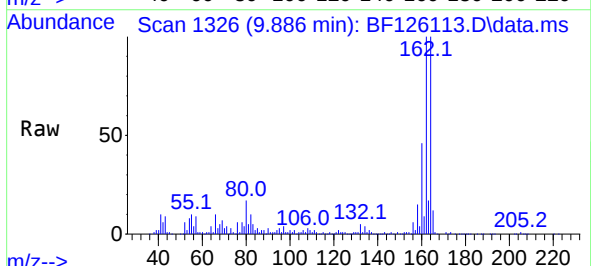
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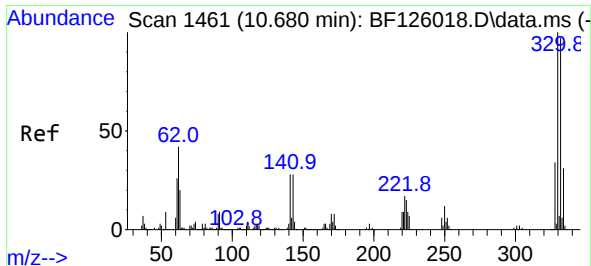
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Supervised By :mohammad
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF126113.D
Acq: 10 Nov 2021 18:15

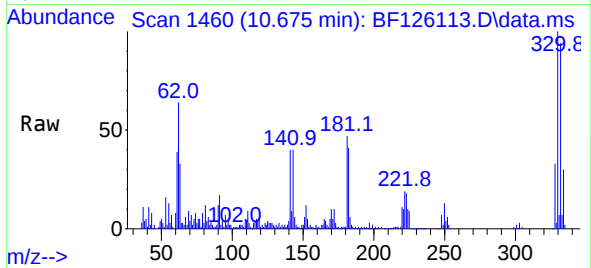
Tgt Ion:164 Resp: 290625
Ion Ratio Lower Upper
164 100
162 100.3 81.3 121.9
160 46.5 38.0 57.0





#42
2,4,6-Tribromophenol
Concen: 52.304 ng
RT: 10.675 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF126113.D
Acq: 10 Nov 2021 18:15

Instrument :
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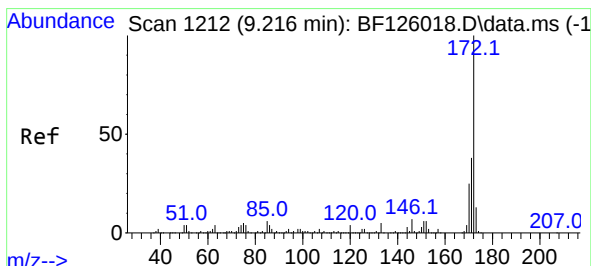
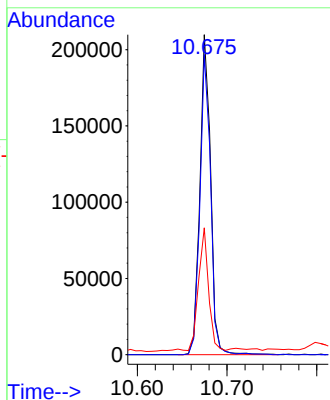
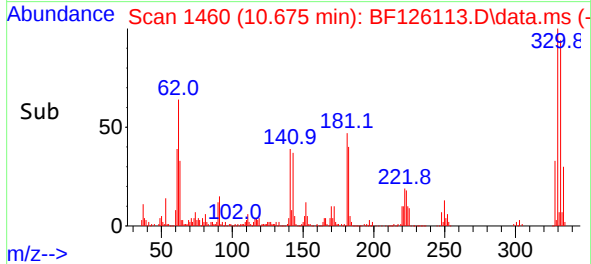
Tgt Ion: 330 Resp: 17420
Ion Ratio Lower Upper
330 100
332 93.3 76.2 114.4
141 37.6 44.6 66.8

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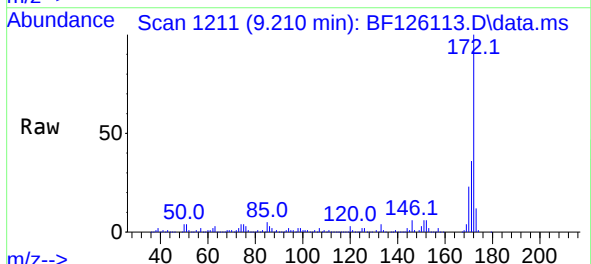
Reviewed By :Jagrut
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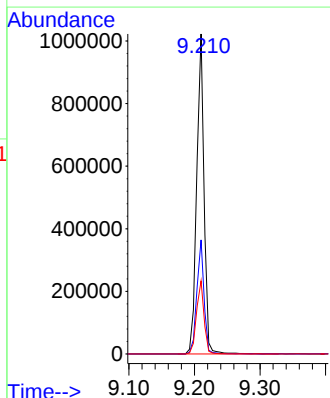
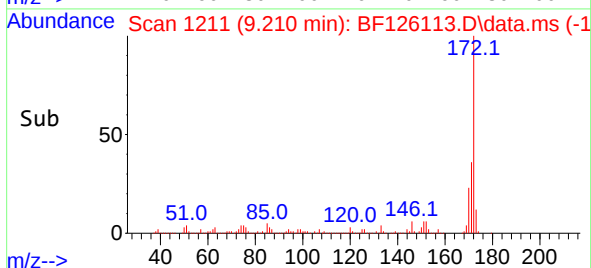
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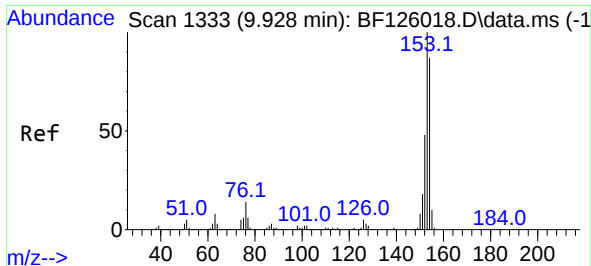


#45
2-Fluorobiphenyl
Concen: 37.257 ng
RT: 9.210 min Scan# 1211
Delta R.T. -0.006 min
Lab File: BF126113.D
Acq: 10 Nov 2021 18:15



Tgt Ion: 172 Resp: 801259
Ion Ratio Lower Upper
172 100
171 35.6 26.5 39.7
170 22.8 18.8 28.2





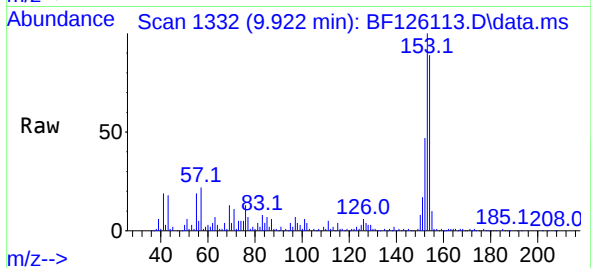
#52
Acenaphthene
Concen: 8.566 ng
RT: 9.922 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126113.D
Acq: 10 Nov 2021 18:15

Instrument :

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ClientSampleId :

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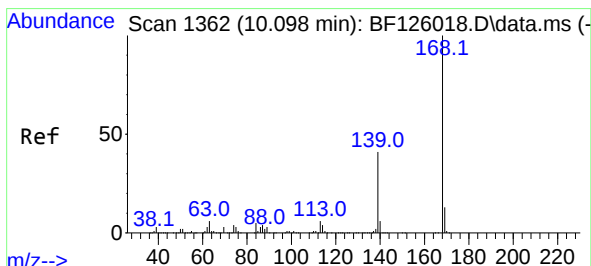
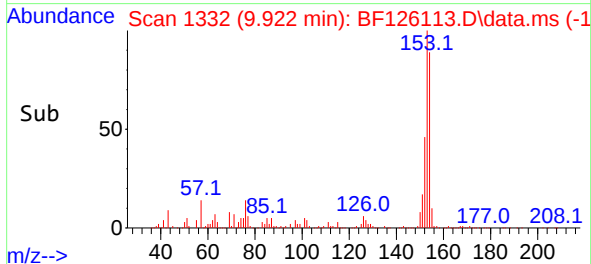
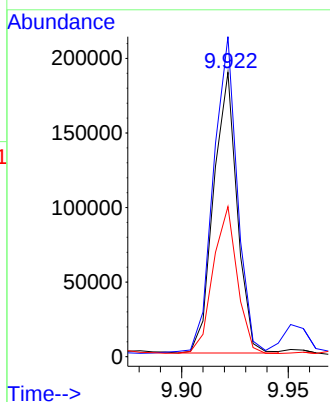
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Ion Ratio Lower Upper
154 100
153 112.6 89.4 134.2
152 52.8 40.5 60.7

Manual Integrations
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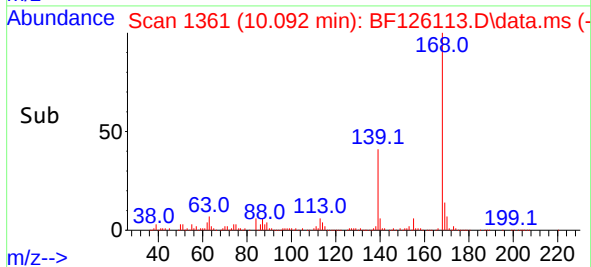
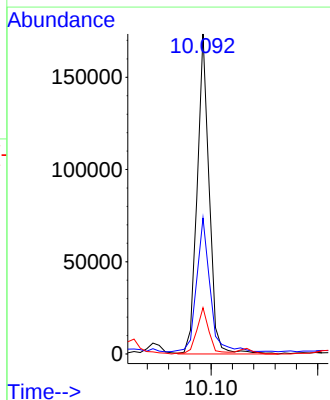
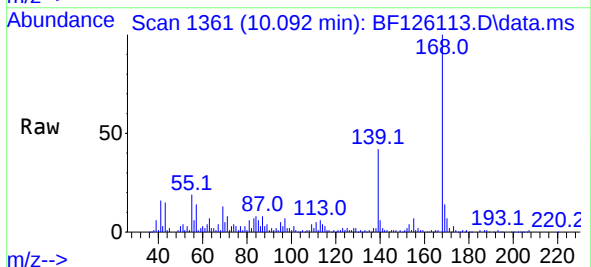
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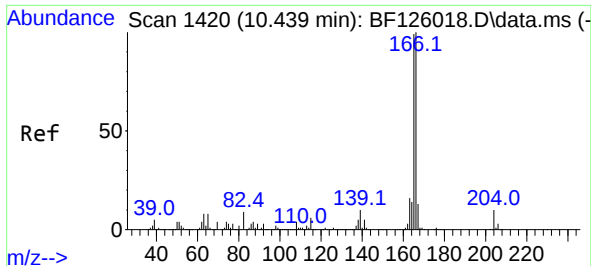
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#55
Dibenzofuran
Concen: 5.386 ng
RT: 10.092 min Scan# 1361
Delta R.T. -0.006 min
Lab File: BF126113.D
Acq: 10 Nov 2021 18:15

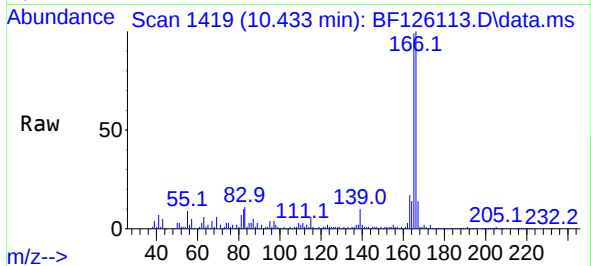
Tgt Ion:168 Resp: 136742
Ion Ratio Lower Upper
168 100
139 42.5 32.7 49.1
169 14.5 11.2 16.8





#58
Fluorene
Concen: 12.185 ng
RT: 10.433 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF126113.D
Acq: 10 Nov 2021 18:15

Instrument :
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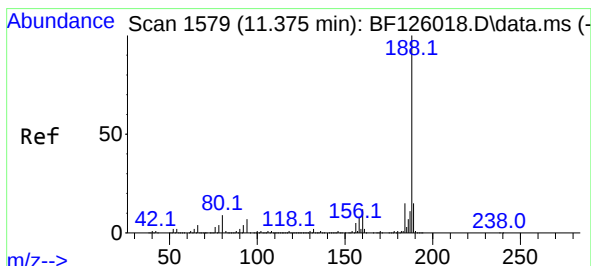
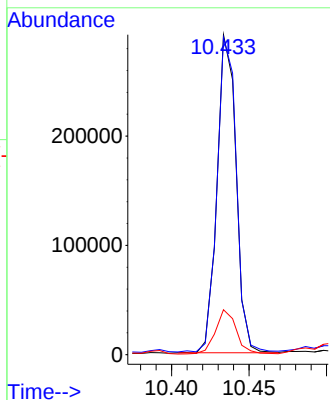
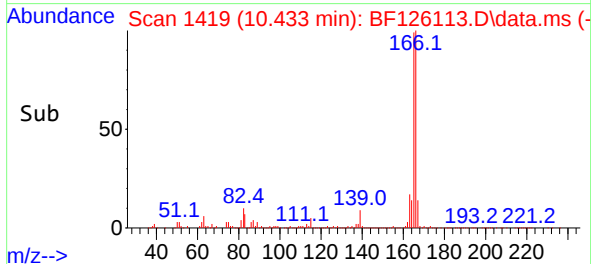
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Ion Ratio Lower Upper
166 100
165 99.1 78.1 117.1
167 14.0 11.1 16.7

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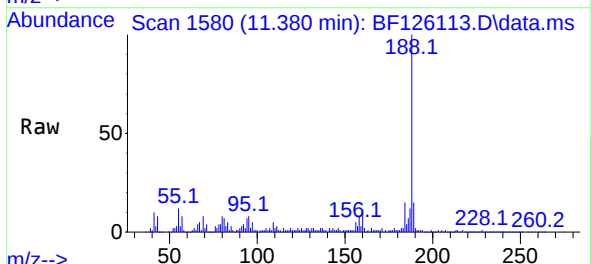
Reviewed By :Jagrut
Upadhyay

Supervised By :mohammad
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11/11/2021

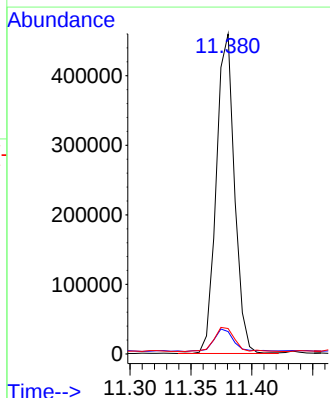
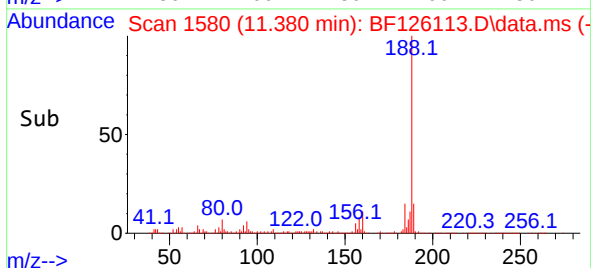
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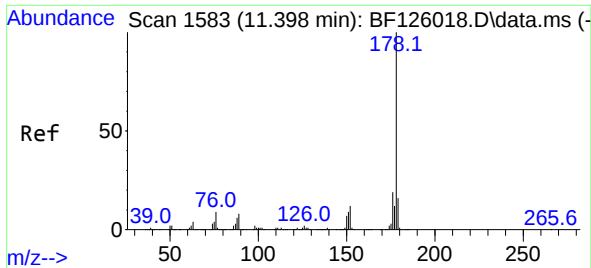


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.380 min Scan# 1580
Delta R.T. 0.005 min
Lab File: BF126113.D
Acq: 10 Nov 2021 18:15



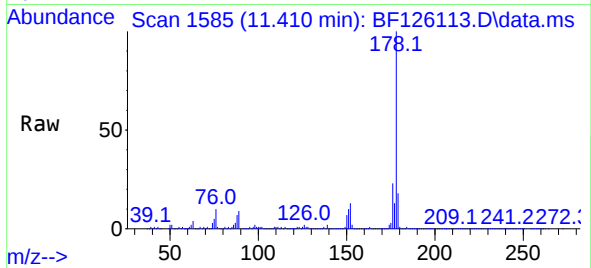
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Ion Ratio Lower Upper
188 100
94 7.0 6.7 10.1
80 7.9 7.5 11.3





#71
Phenanthrene
Concen: 157.146 ng m
RT: 11.410 min Scan# 1585
Delta R.T. 0.012 min
Lab File: BF126113.D
Acq: 10 Nov 2021 18:15

Instrument :
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Tgt Ion:178 Resp: 4071554
Ion Ratio Lower Upper
178 100
176 22.8 14.7 22.1
179 18.3 11.5 17.3

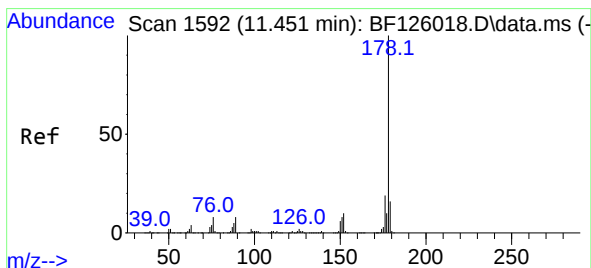
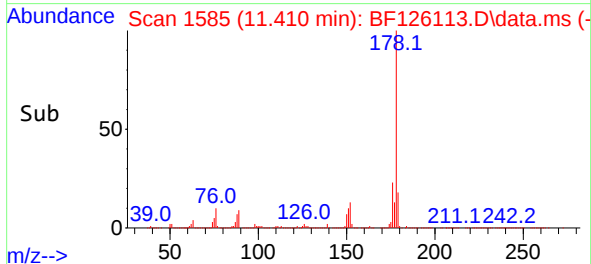
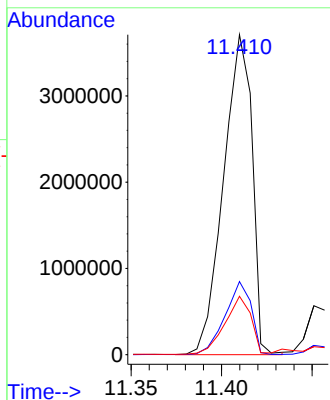
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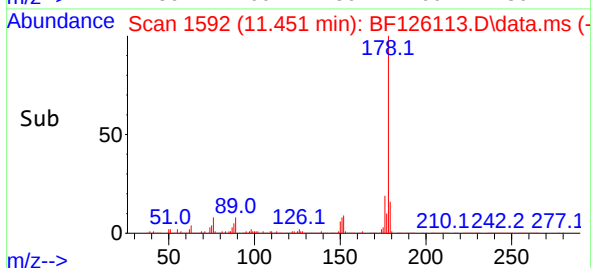
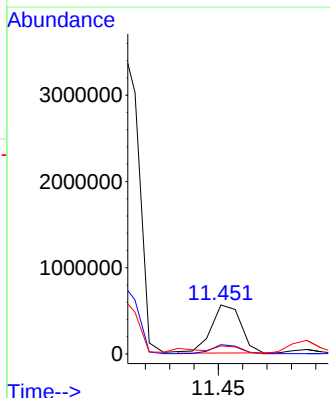
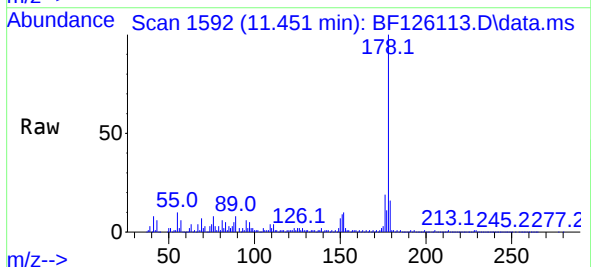
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Supervised By :mohammad
ahmed

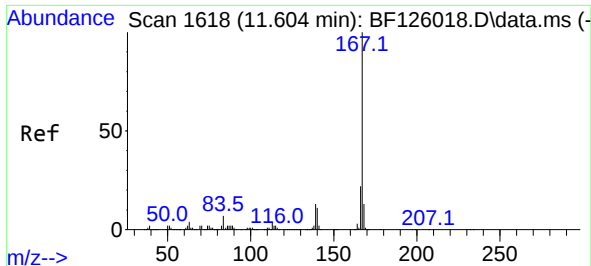
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#72
Anthracene
Concen: 18.352 ng
RT: 11.451 min Scan# 1592
Delta R.T. 0.000 min
Lab File: BF126113.D
Acq: 10 Nov 2021 18:15

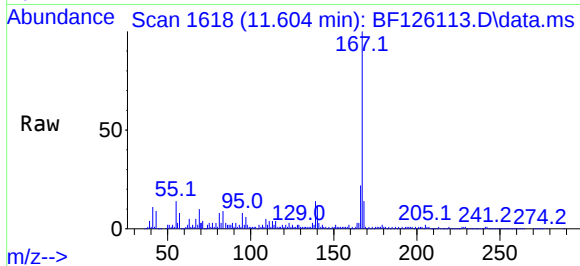
Tgt Ion:178 Resp: 474723
Ion Ratio Lower Upper
178 100
176 19.1 14.3 21.5
179 16.2 12.2 18.4





#73
 Carbazole
 Concen: 16.598 ng
 RT: 11.604 min Scan# 1618
 Delta R.T. -0.000 min
 Lab File: BF126113.D
 Acq: 10 Nov 2021 18:15

Instrument :
 BNA_F
 ClientSampleId :
 DW-3



Tgt Ion:167 Resp: 398200
 Ion Ratio Lower Upper
 167 100
 166 22.1 17.4 26.0
 139 14.4 11.0 16.4

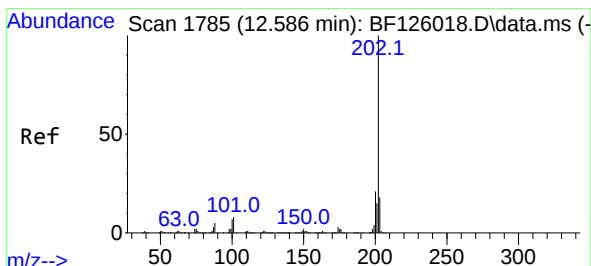
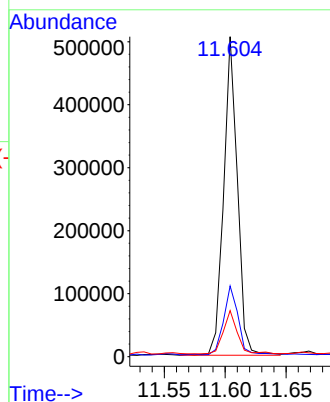
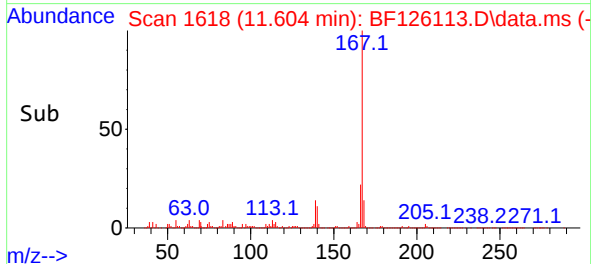
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 Upadhyay

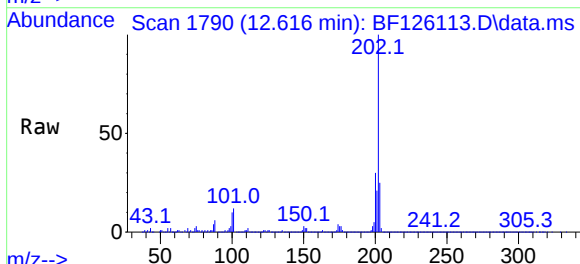
Supervised By :mohammad
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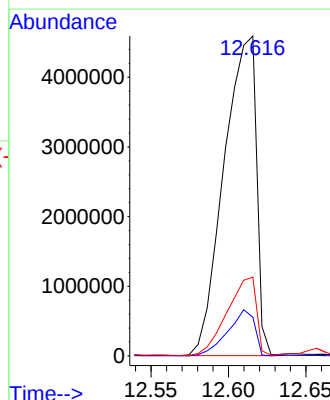
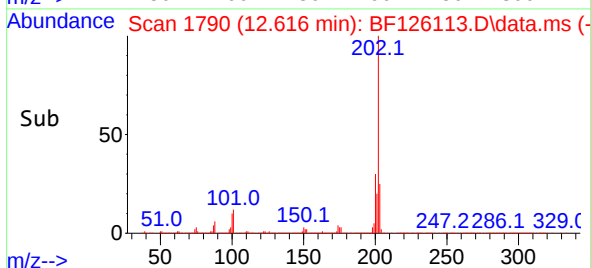
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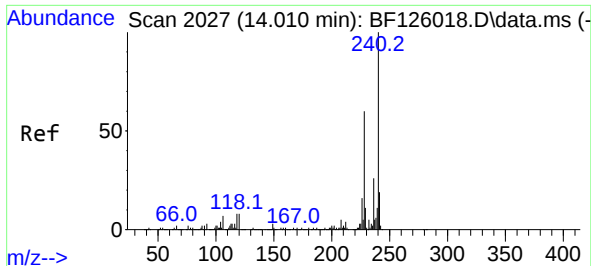


#75
 Fluoranthene
 Concen: 231.540 ng
 RT: 12.616 min Scan# 1790
 Delta R.T. 0.030 min
 Lab File: BF126113.D
 Acq: 10 Nov 2021 18:15



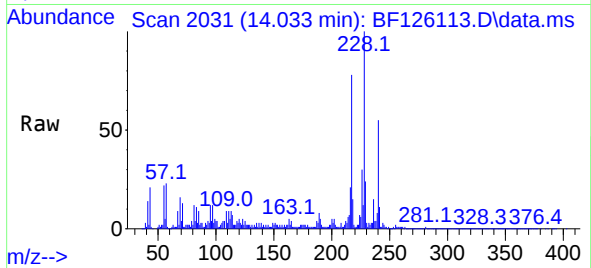
Tgt Ion:202 Resp: 6680404
 Ion Ratio Lower Upper
 202 100
 101 12.1 0.0 30.7
 203 24.6 0.0 36.3





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2027
Delta R.T. 0.023 min
Lab File: BF126113.D
Acq: 10 Nov 2021 18:15

Instrument :
BNA_F
ClientSampleId :
DW-3



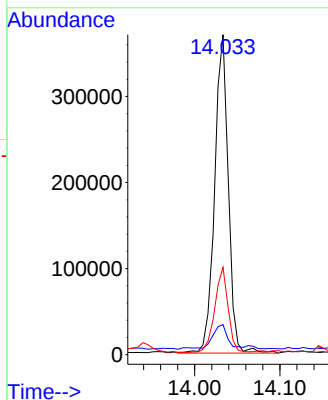
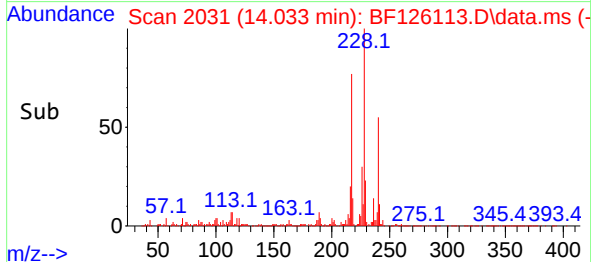
Tgt Ion:240 Resp: 412320
Ion Ratio Lower Upper
240 100
120 9.4 10.8 16.2
236 27.3 21.6 32.4

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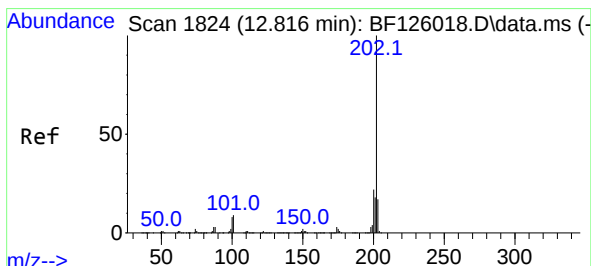
Reviewed By :Jagrut
Upadhyay

Supervised By :mohammad
ahmed
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Supervised By :mohammad
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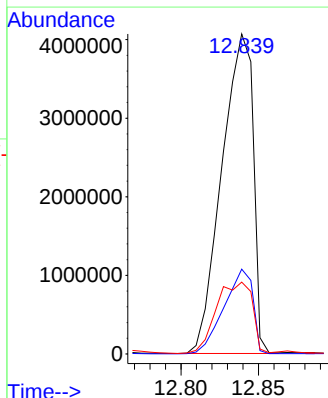
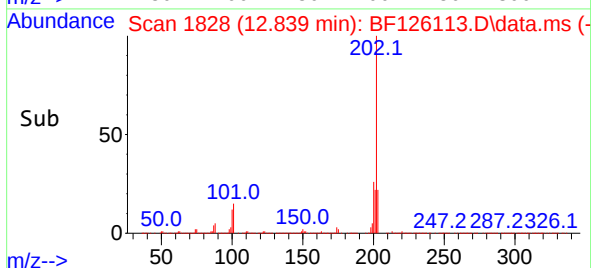
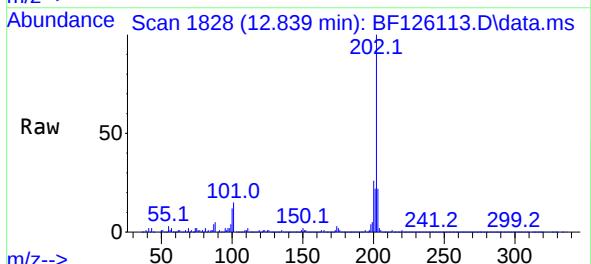


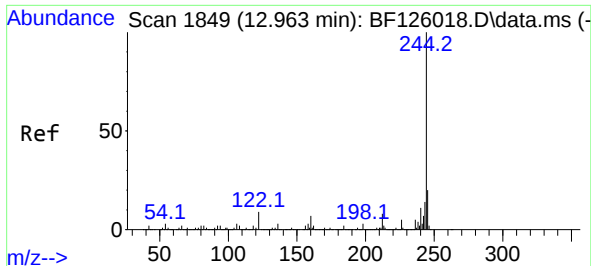
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#78
Pyrene
Concen: 173.108 ng
RT: 12.839 min Scan# 1828
Delta R.T. 0.023 min
Lab File: BF126113.D
Acq: 10 Nov 2021 18:15

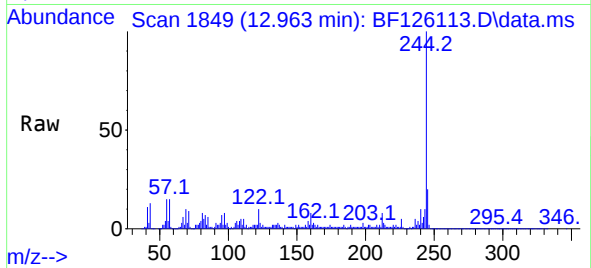
Tgt Ion:202 Resp: 5724105
Ion Ratio Lower Upper
202 100
200 26.5 15.3 22.9#
203 22.5 13.4 20.0#





#79
Terphenyl-d14
Concen: 29.131 ng
RT: 12.963 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF126113.D
Acq: 10 Nov 2021 18:15

Instrument :
BNA_F
ClientSampleId :
DW-3



Tgt Ion:244 Resp: 744870
Ion Ratio Lower Upper
244 100
212 8.0 5.9 8.9
122 9.6 9.0 13.4

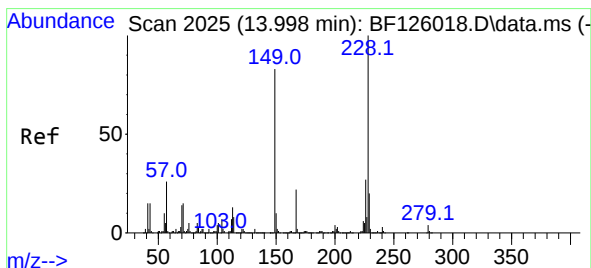
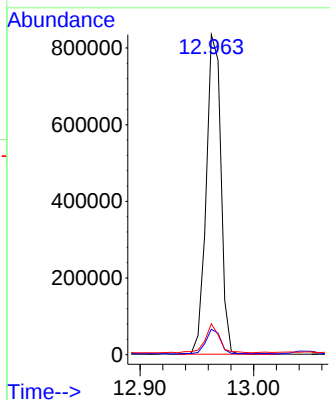
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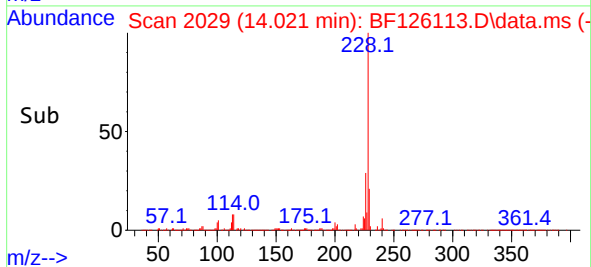
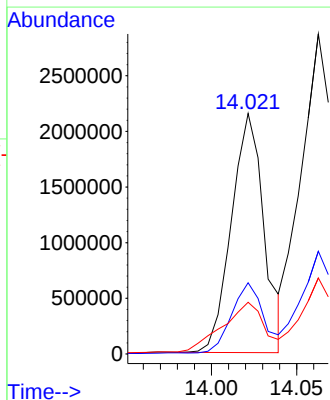
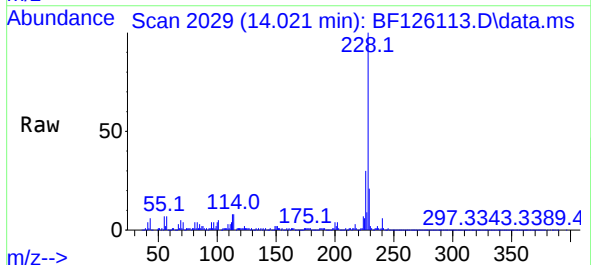
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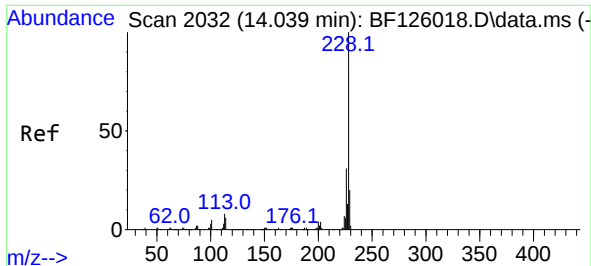
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#81
Benzo(a)anthracene
Concen: 101.246 ng
RT: 14.021 min Scan# 2029
Delta R.T. 0.023 min
Lab File: BF126113.D
Acq: 10 Nov 2021 18:15

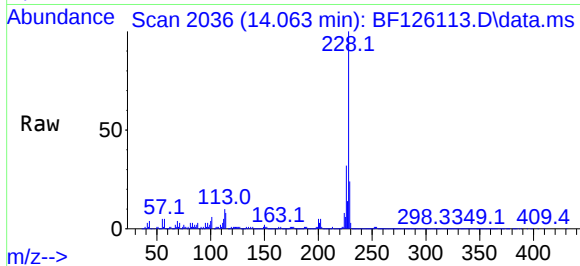
Tgt Ion:228 Resp: 2867902
Ion Ratio Lower Upper
228 100
226 29.6 21.6 32.4
229 21.5 15.6 23.4





#83
Chrysene
Concen: 129.703 ng
RT: 14.063 min Scan# 2032
Delta R.T. 0.024 min
Lab File: BF126113.D
Acq: 10 Nov 2021 18:15

Instrument :
BNA_F
ClientSampleId :
DW-3



Tgt Ion:228 Resp: 341854
Ion Ratio Lower Upper
228 100
226 32.1 22.6 34.0
229 23.8 15.9 23.9

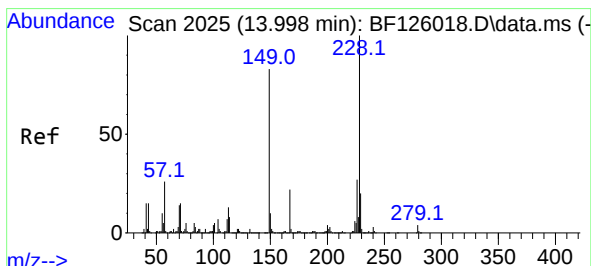
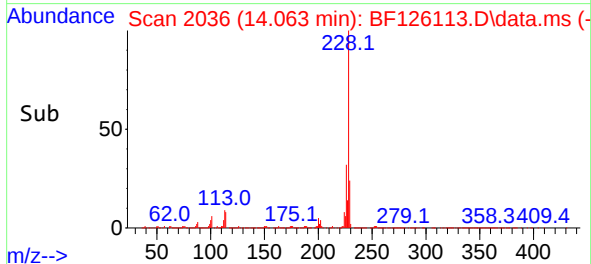
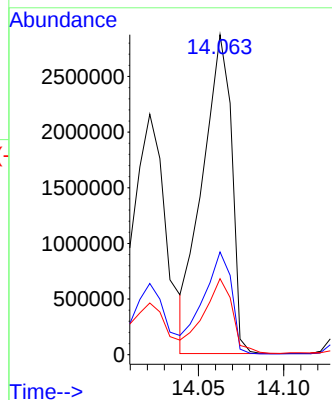
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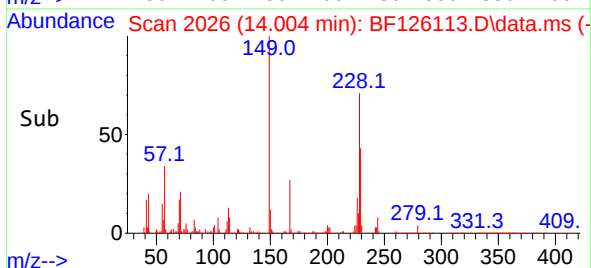
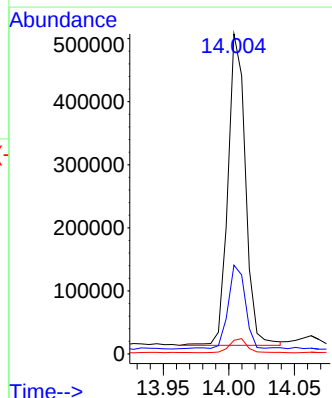
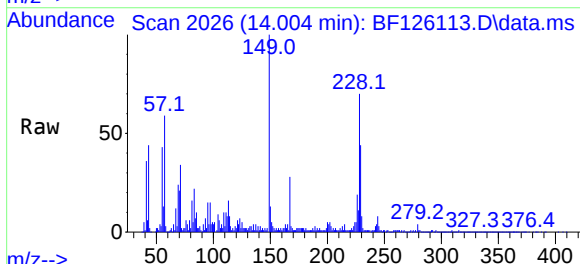
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Supervised By :mohammad
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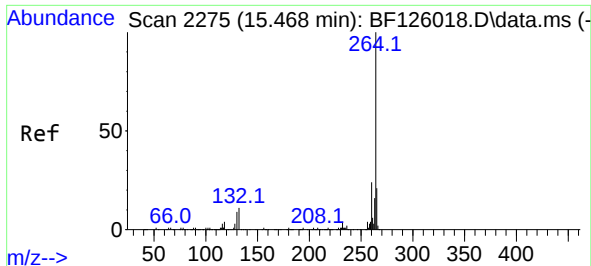
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#84
Bis(2-ethylhexyl)phthalate
Concen: 27.435 ng
RT: 14.004 min Scan# 2026
Delta R.T. 0.006 min
Lab File: BF126113.D
Acq: 10 Nov 2021 18:15

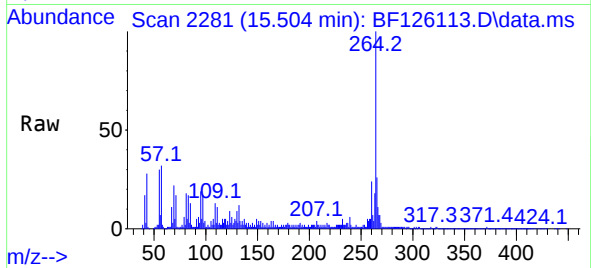
Tgt Ion:149 Resp: 457977
Ion Ratio Lower Upper
149 100
167 27.8 21.4 32.0
279 4.2 2.6 4.0#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.504 min Scan# 21
Delta R.T. 0.036 min
Lab File: BF126113.D
Acq: 10 Nov 2021 18:15

Instrument :
BNA_F
ClientSampleId :
DW-3



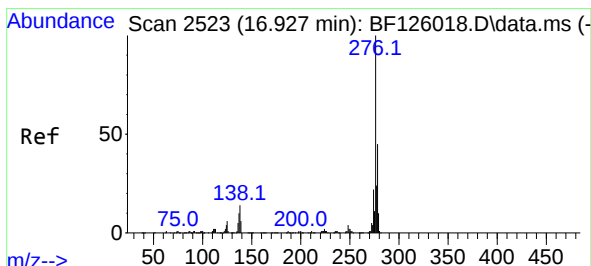
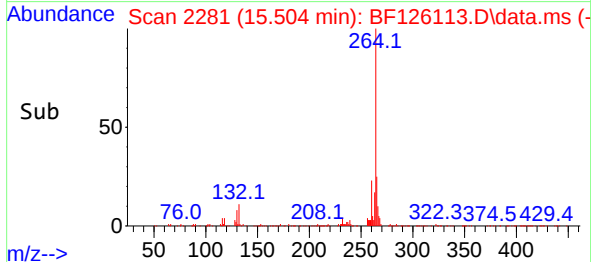
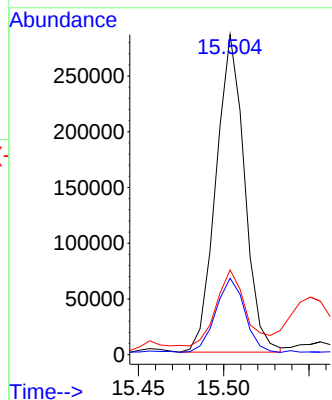
Tgt Ion:264 Resp: 331060
Ion Ratio Lower Upper
264 100
260 23.9 19.6 29.4
265 26.5 17.2 25.8

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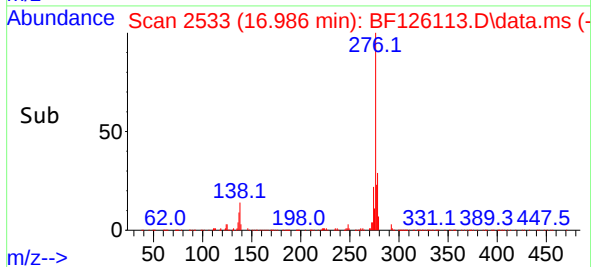
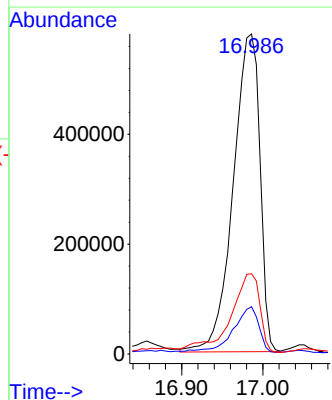
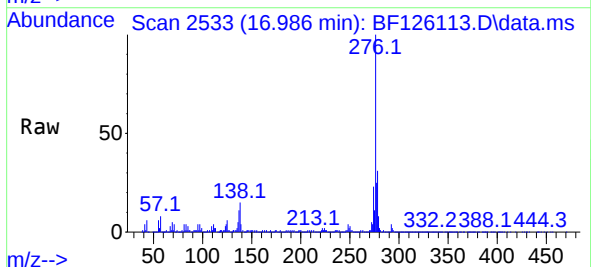
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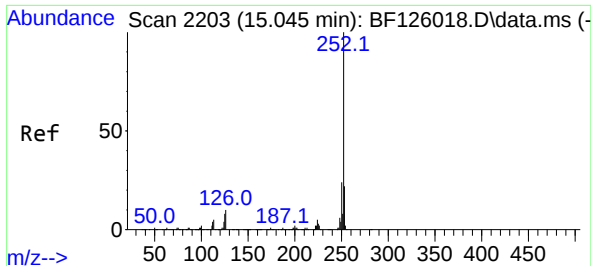
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#87
Indeno(1,2,3-cd)pyrene
Concen: 67.596 ng
RT: 16.986 min Scan# 2533
Delta R.T. 0.059 min
Lab File: BF126113.D
Acq: 10 Nov 2021 18:15

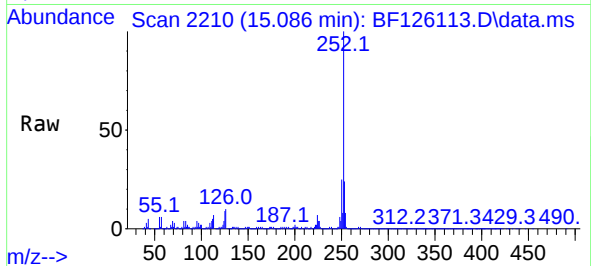
Tgt Ion:276 Resp: 1324590
Ion Ratio Lower Upper
276 100
138 13.9 24.1 36.1#
277 27.5 18.8 28.2





#88
Benzo(b)fluoranthene
Concen: 183.940 ng m
RT: 15.086 min Scan# 2110
Delta R.T. 0.041 min
Lab File: BF126113.D
Acq: 10 Nov 2021 18:15

Instrument :
BNA_F
ClientSampleId :
DW-3



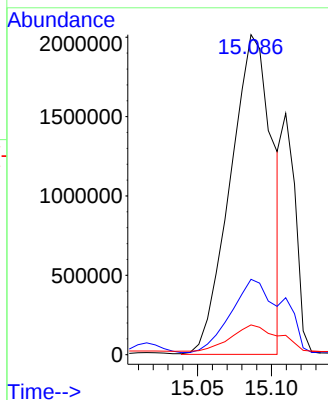
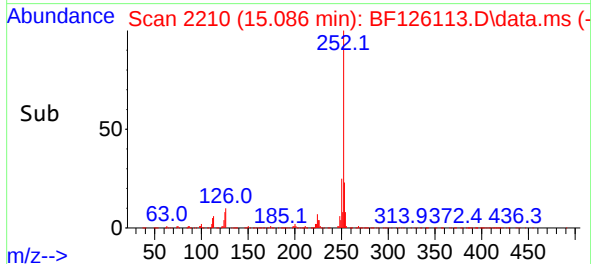
Tgt Ion:252 Resp: 3961030
Ion Ratio Lower Upper
252 100
253 23.6 16.8 25.2
125 9.3 9.8 14.8

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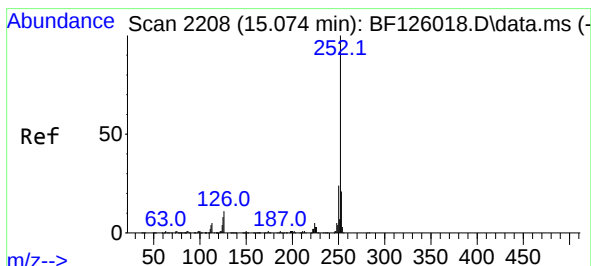
Reviewed By :Jagrut
Upadhyay

Supervised By :mohammad
ahmed
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Supervised By :mohammad
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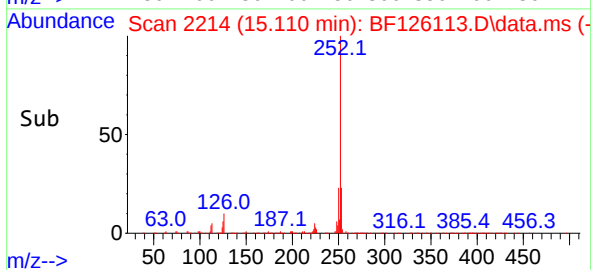
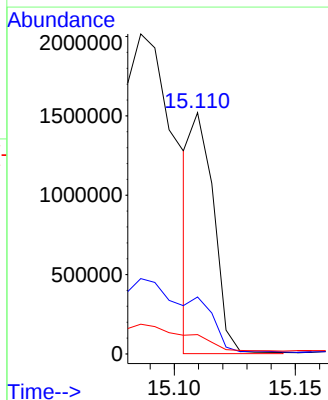
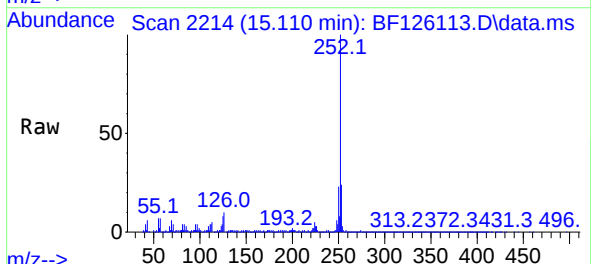


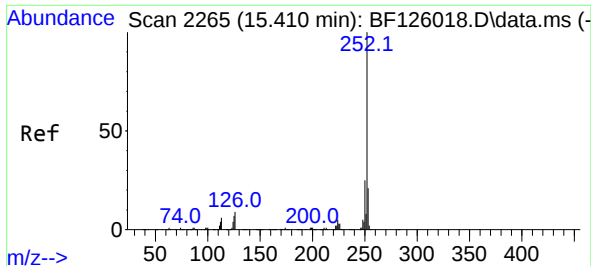
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#89
Benzo(k)fluoranthene
Concen: 46.978 ng m
RT: 15.110 min Scan# 2214
Delta R.T. 0.035 min
Lab File: BF126113.D
Acq: 10 Nov 2021 18:15

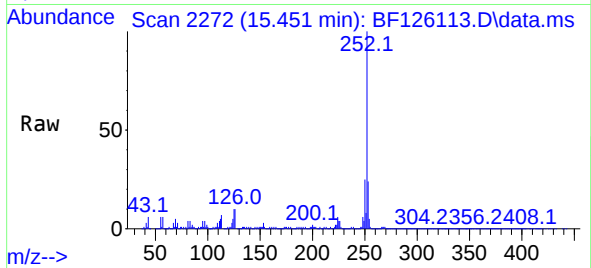
Tgt Ion:252 Resp: 981328
Ion Ratio Lower Upper
252 100
253 23.6 17.8 26.8
125 8.0 7.2 10.8





#90
Benzo(a)pyrene
Concen: 120.073 ng m
RT: 15.451 min Scan# 2037
Delta R.T. 0.041 min
Lab File: BF126113.D
Acq: 10 Nov 2021 18:15

Instrument :
BNA_F
ClientSampleId :
DW-3



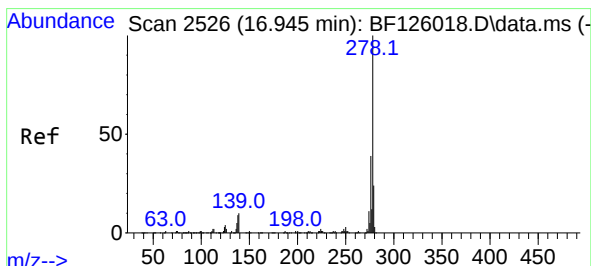
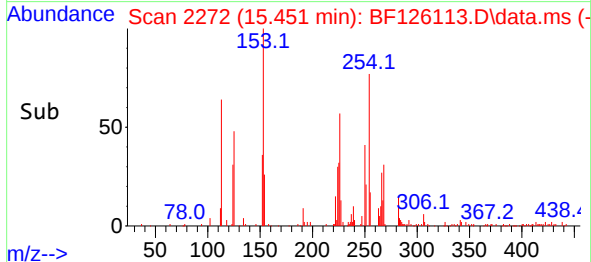
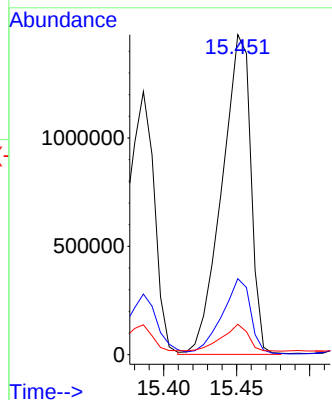
Tgt Ion:252 Resp: 2037107
Ion Ratio Lower Upper
252 100
253 23.8 18.4 27.6
125 9.5 9.9 14.9

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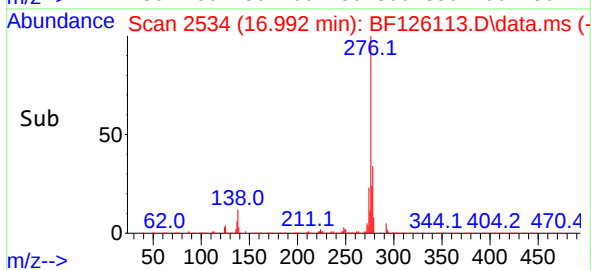
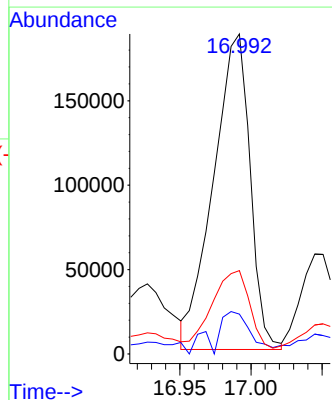
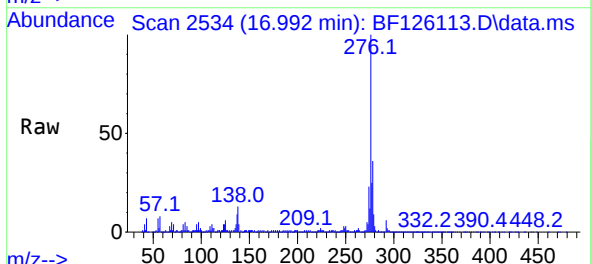
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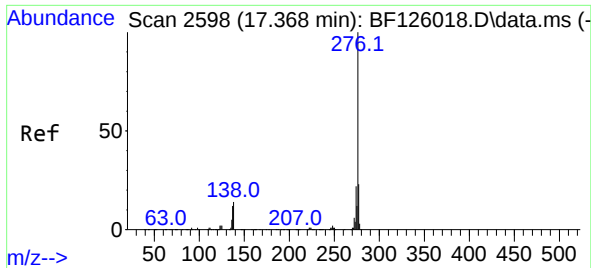
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#91
Dibenzo(a,h)anthracene
Concen: 20.888 ng m
RT: 16.992 min Scan# 2534
Delta R.T. 0.047 min
Lab File: BF126113.D
Acq: 10 Nov 2021 18:15

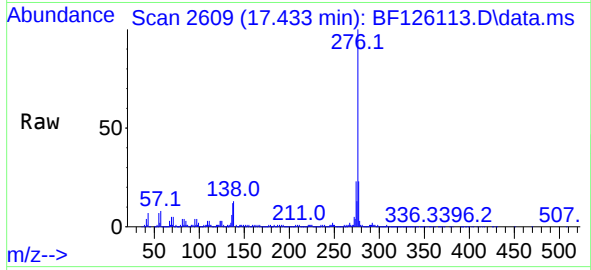
Tgt Ion:278 Resp: 336192
Ion Ratio Lower Upper
278 100
139 12.4 14.9 22.3#
279 26.1 19.7 29.5





#92
Benzo(g,h,i)perylene
Concen: 74.248 ng
RT: 17.433 min Scan# 20
Delta R.T. 0.065 min
Lab File: BF126113.D
Acq: 10 Nov 2021 18:15

Instrument :
BNA_F
ClientSampleId :
DW-3



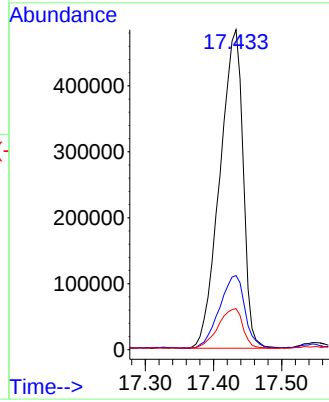
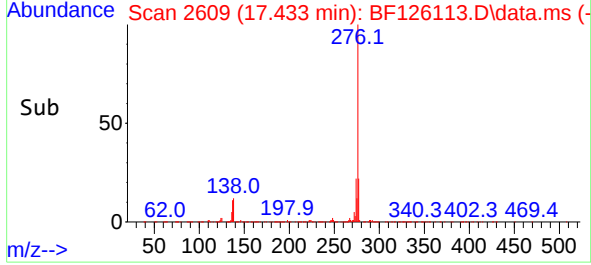
Tgt Ion:276 Resp: 114607
Ion Ratio Lower Upper
276 100
277 23.1 22.0 33.0
138 12.9 22.2 33.4

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