

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111021\
 Data File : BF126114.D
 Acq On : 10 Nov 2021 18:48
 Operator : JU/CG
 Sample : M4604-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-110921

Manual Integrations
 APPROVED

Reviewed By :Jagrut
 Upadhyay

Quant Time: Nov 11 09:31:24 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							11/11/2021
1) 1,4-Dichlorobenzene-d4	6.851	152	165670	20.000	ng	0.00	Supervised By :mohammad
21) Naphthalene-d8	8.134	136	547355	20.000	ng	# 0.00	Unmed
39) Acenaphthene-d10	9.886	164	267032	20.000	ng	0.00	
64) Phenanthrene-d10	11.375	188	429991	20.000	ng	0.00	
76) Chrysene-d12	14.016	240	358740	20.000	ng	# 0.00	
86) Perylene-d12	15.486	264	290130	20.000	ng	0.02	11/11/2021
System Monitoring Compounds							
5) 2-Fluorophenol	5.481	112	925084	95.891	ng	0.02	
7) Phenol-d6	6.487	99	1153054	84.787	ng	0.00	
23) Nitrobenzene-d5	7.416	82	815241	70.241	ng	0.00	
42) 2,4,6-Tribromophenol	10.675	330	268287	87.670	ng	0.00	
45) 2-Fluorobiphenyl	9.210	172	1422612	71.994	ng	0.00	
79) Terphenyl-d14	12.963	244	1348949	60.636	ng	0.00	
Target Compounds							Qvalue
31) Naphthalene	8.157	128	77719	2.741	ng		97
37) 2-Methylnaphthalene	8.845	142	62593	3.197	ng		98
38) 1-Methylnaphthalene	8.945	142	68339	3.603	ng		94
49) Acenaphthylene	9.751	152	85756	3.491	ng		97
52) Acenaphthene	9.922	154	43510	2.808	ng	#	79
58) Fluorene	10.433	166	83177	4.441	ng		98
71) Phenanthrene	11.398	178	537983	23.071	ng		98
72) Anthracene	11.451	178	145084	6.232	ng		98
75) Fluoranthene	12.586	202	546762	21.056	ng		95
78) Pyrene	12.816	202	629620	21.885	ng		95
81) Benzo(a)anthracene	14.004	228	323482m	13.126	ng		
83) Chrysene	14.039	228	280486	12.232	ng		95
87) Indeno(1,2,3-cd)pyrene	16.945	276	124997	7.279	ng	#	83
88) Benzo(b)fluoranthene	15.057	252	314809m	16.682	ng		
89) Benzo(k)fluoranthene	15.080	252	72808m	3.977	ng		
90) Benzo(a)pyrene	15.421	252	241187m	16.222	ng		
91) Dibenzo(a,h)anthracene	16.951	278	38351	2.719	ng		95
92) Benzo(g,h,i)perylene	17.386	276	130052	9.614	ng	#	81

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

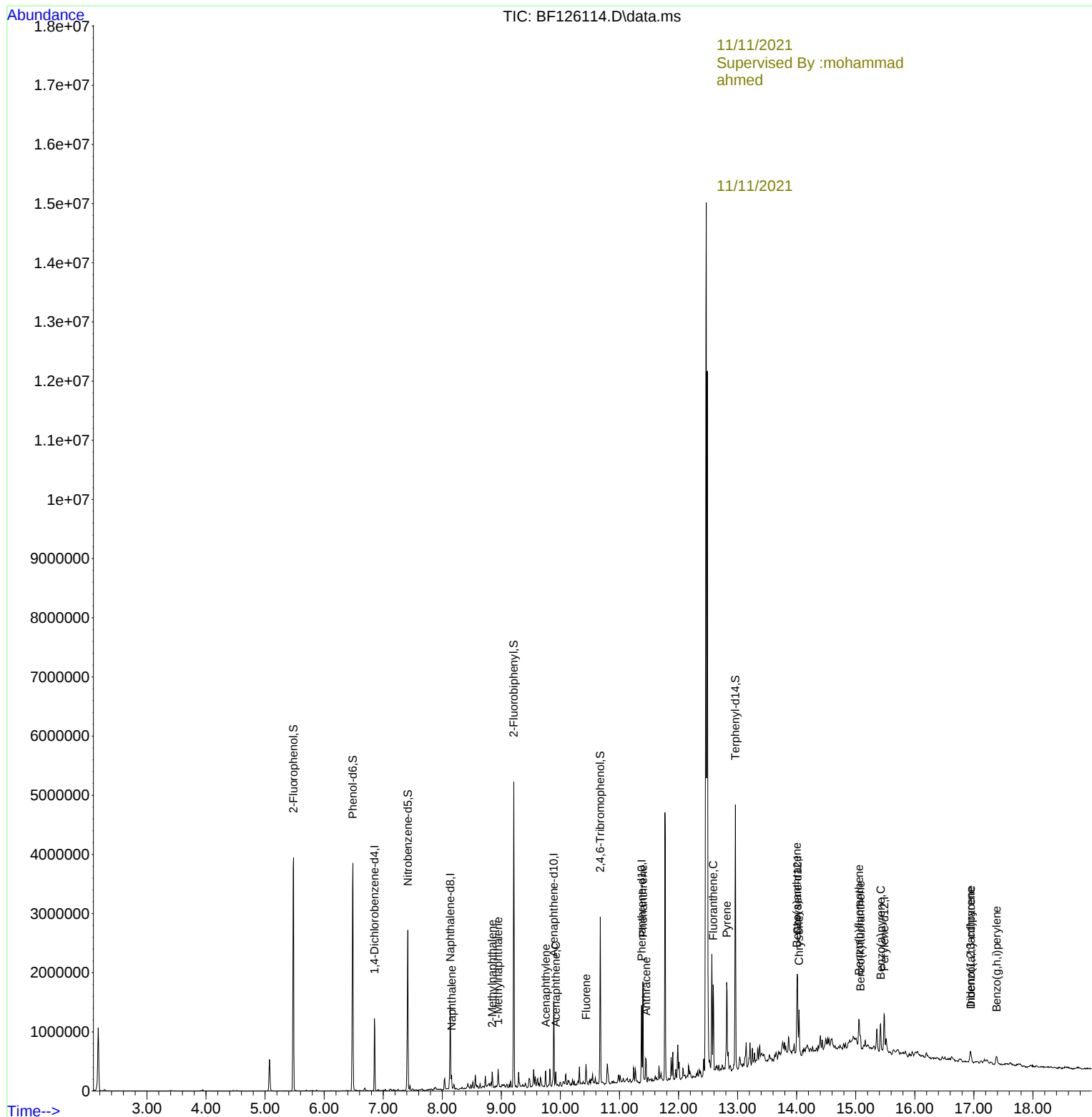
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111021\
Data File : BF126114.D
Acq On : 10 Nov 2021 18:48
Operator : JU/CG
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ALS Vial : 18 Sample Multiplier: 1

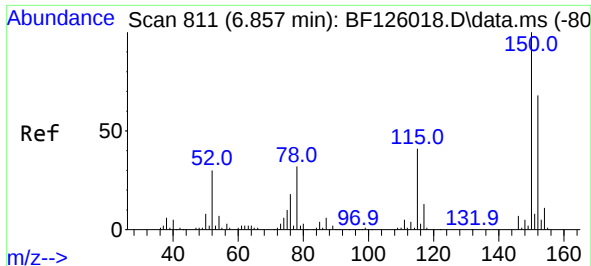
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Quant Time: Nov 11 09:31:24 2021
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 03 17:21:25 2021
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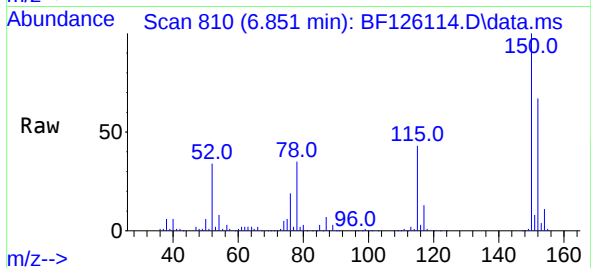
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF126114.D
Acq: 10 Nov 2021 18:48

Instrument :

BNA_F

ClientSampleId :

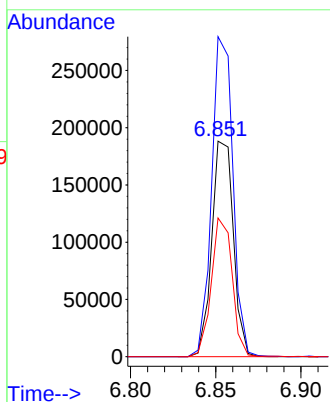
TR-05-110921



Tgt Ion:152 Resp: 165670
Ion Ratio Lower Upper
152 100
150 148.5 117.6 176.4
115 64.4 47.1 70.7

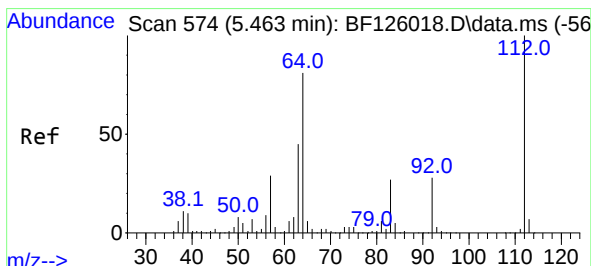
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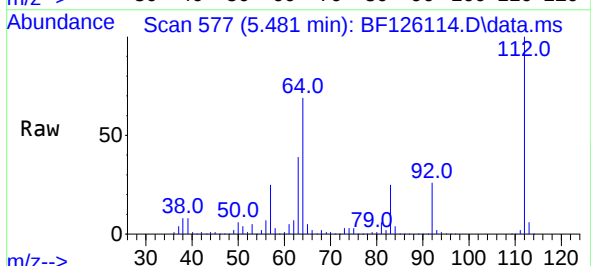


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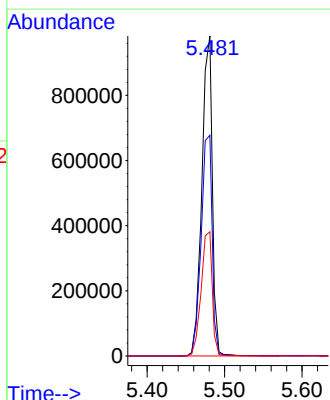
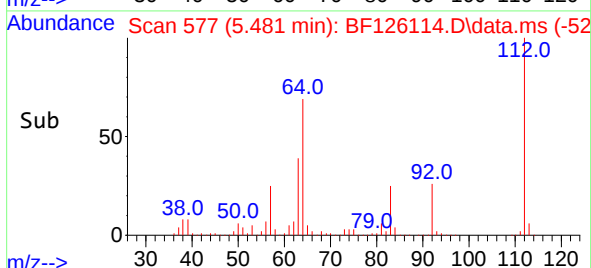
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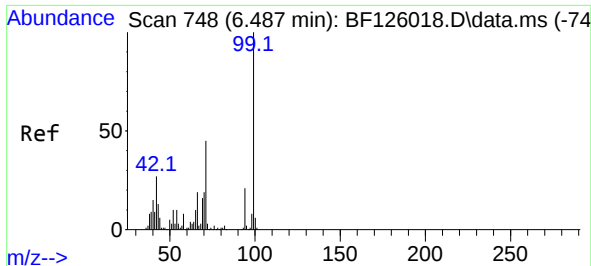


#5
2-Fluorophenol
Concen: 95.891 ng
RT: 5.481 min Scan# 577
Delta R.T. 0.018 min
Lab File: BF126114.D
Acq: 10 Nov 2021 18:48



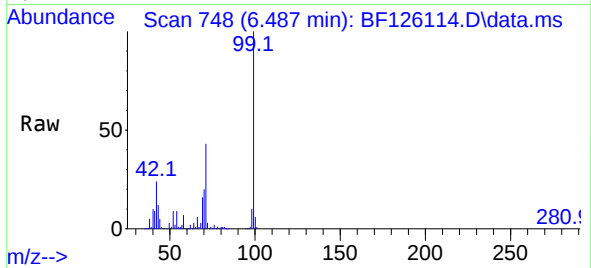
Tgt Ion:112 Resp: 925084
Ion Ratio Lower Upper
112 100
64 68.9 44.2 66.2#
63 38.8 26.2 39.2





#7
Phenol-d6
Concen: 84.787 ng
RT: 6.487 min Scan# 748
Delta R.T. -0.000 min
Lab File: BF126114.D
Acq: 10 Nov 2021 18:48

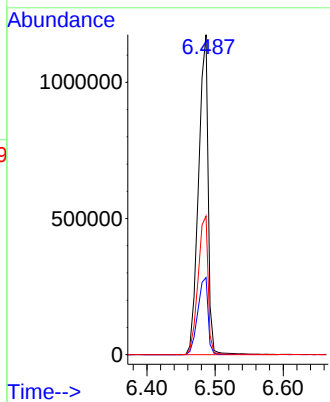
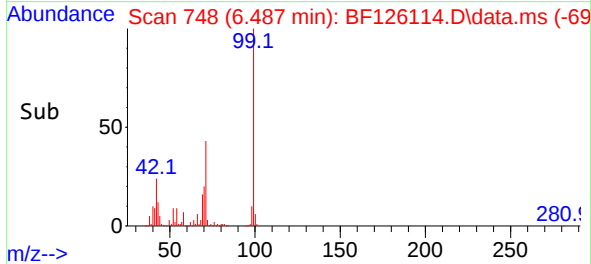
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Tgt Ion: 99 Resp: 1153054
Ion Ratio Lower Upper
99 100
42 24.1 23.5 35.3
71 43.3 25.6 38.4

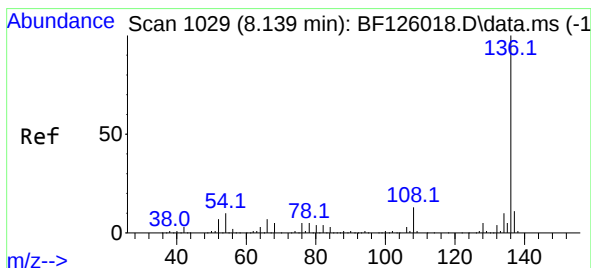
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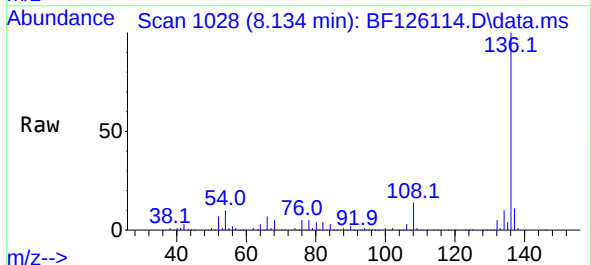


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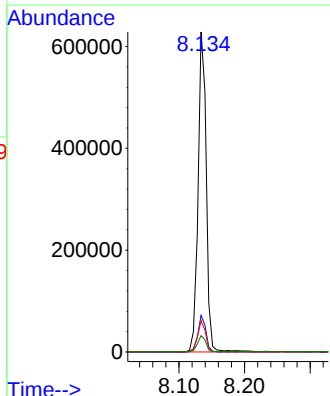
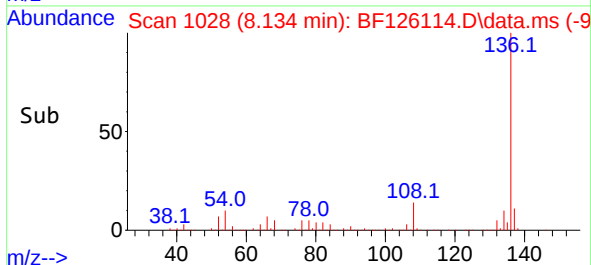
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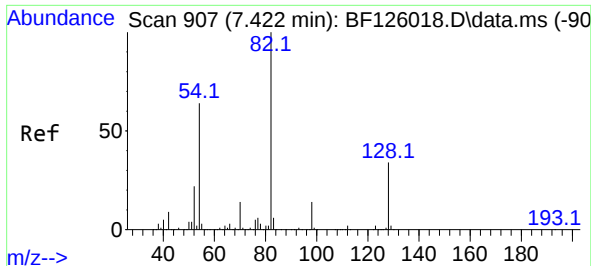


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.134 min Scan# 1028
Delta R.T. -0.005 min
Lab File: BF126114.D
Acq: 10 Nov 2021 18:48



Tgt Ion:136 Resp: 547355
Ion Ratio Lower Upper
136 100
137 11.4 9.8 14.6
54 9.7 6.4 9.6#
68 5.1 3.3 4.9#





#23
Nitrobenzene-d5
Concen: 70.241 ng
RT: 7.416 min Scan# 907
Delta R.T. -0.006 min
Lab File: BF126114.D
Acq: 10 Nov 2021 18:48

Instrument :

BNA_F

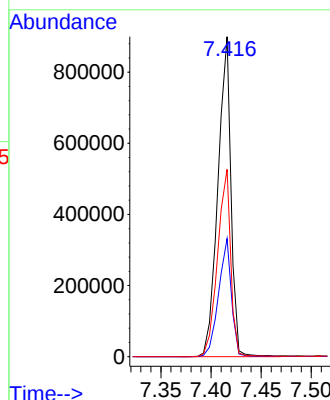
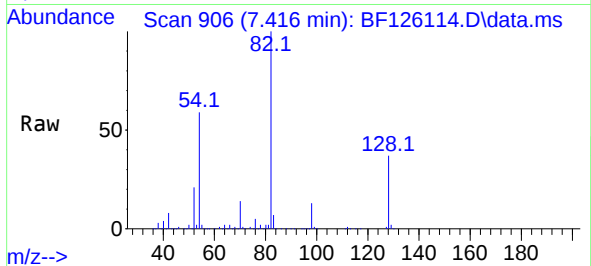
ClientSampleId :

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Tgt Ion: 82 Resp: 81524
Ion Ratio Lower Upper
82 100
128 36.9 40.6 60.8
54 58.5 49.6 74.4

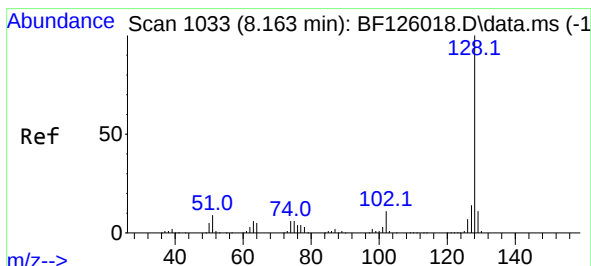
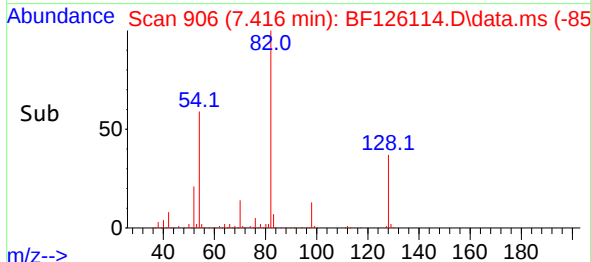
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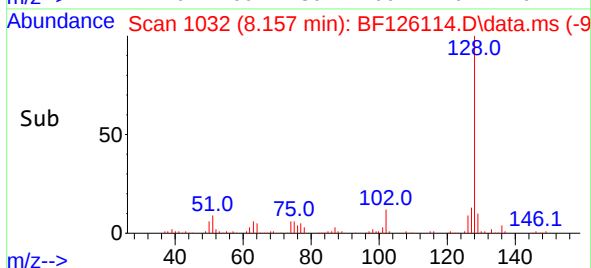
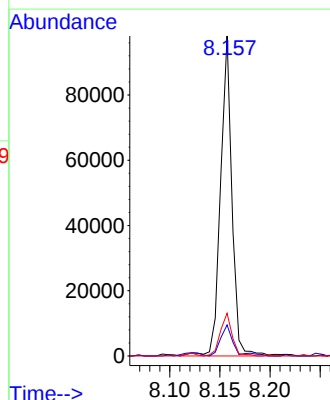
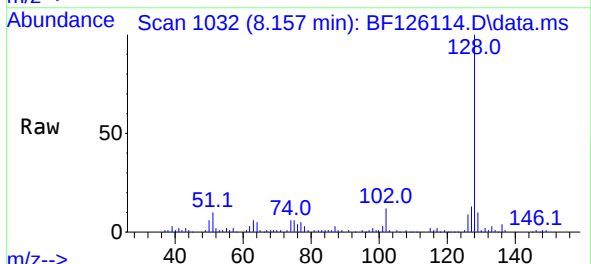
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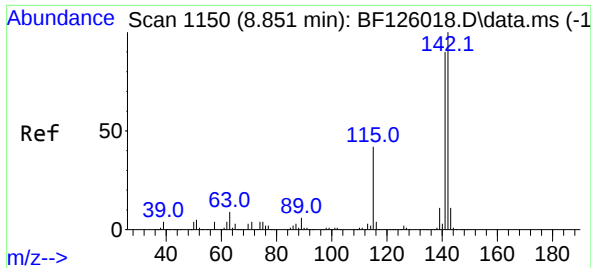
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#31
Naphthalene
Concen: 2.741 ng
RT: 8.157 min Scan# 1032
Delta R.T. -0.006 min
Lab File: BF126114.D
Acq: 10 Nov 2021 18:48

Tgt Ion:128 Resp: 77719
Ion Ratio Lower Upper
128 100
129 9.7 9.4 14.0
127 13.3 10.9 16.3





#37
2-Methylnaphthalene
Concen: 3.197 ng
RT: 8.845 min Scan# 1149
Delta R.T. -0.006 min
Lab File: BF126114.D
Acq: 10 Nov 2021 18:48

Instrument :

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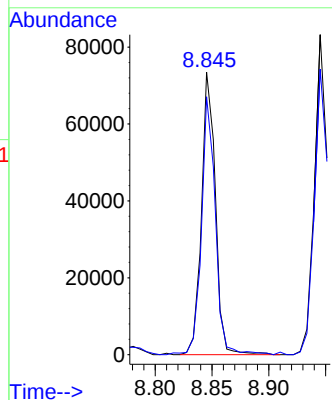
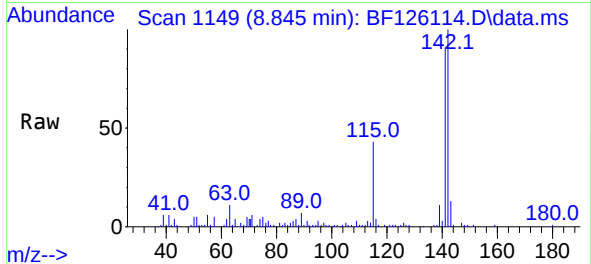
ClientSampleId :

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Tgt Ion:142 Resp: 6259
Ion Ratio Lower Upper
142 100
141 91.3 71.2 106.8

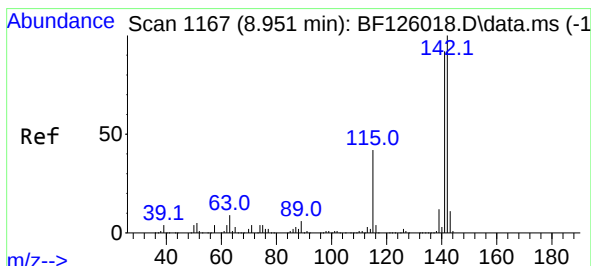
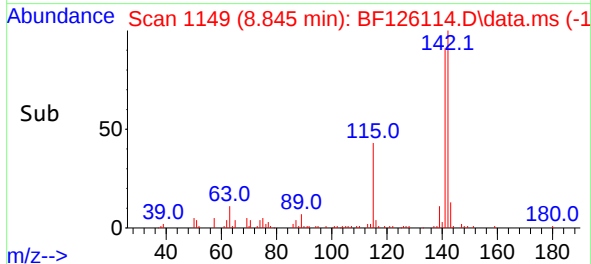
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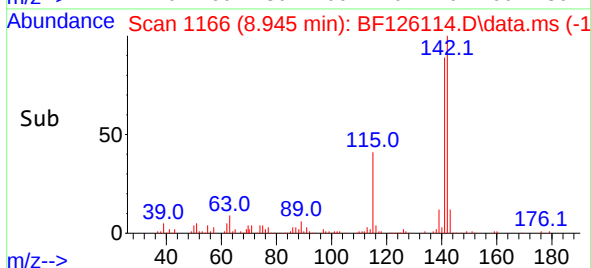
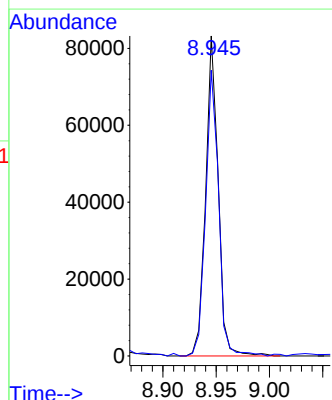
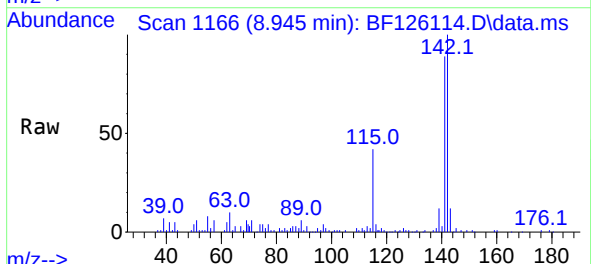
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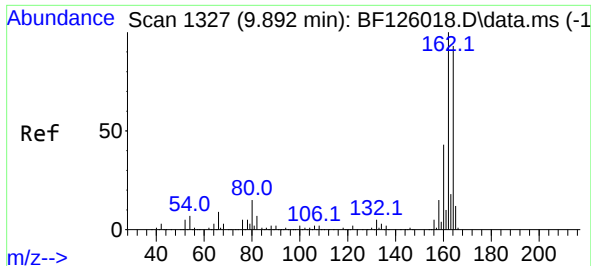
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#38
1-Methylnaphthalene
Concen: 3.603 ng
RT: 8.945 min Scan# 1166
Delta R.T. -0.006 min
Lab File: BF126114.D
Acq: 10 Nov 2021 18:48

Tgt Ion:142 Resp: 68339
Ion Ratio Lower Upper
142 100
141 89.2 76.0 114.0





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126114.D
Acq: 10 Nov 2021 18:48

Instrument :

BNA_F

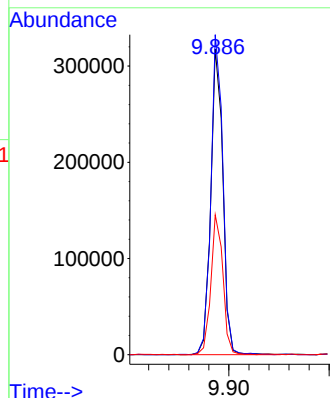
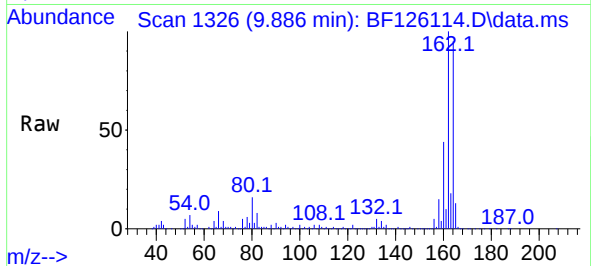
ClientSampleId :

TR-05-110921

Tgt Ion:164 Resp: 26703
Ion Ratio Lower Upper
164 100
162 104.7 81.3 121.9
160 45.8 38.0 57.0

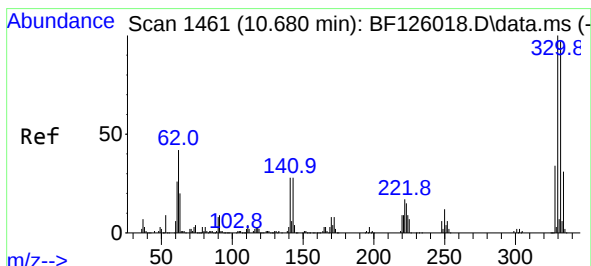
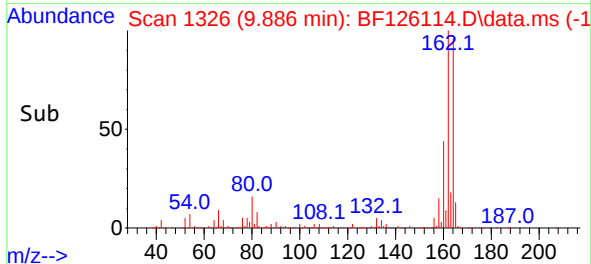
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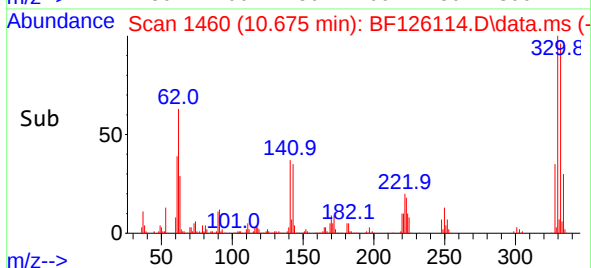
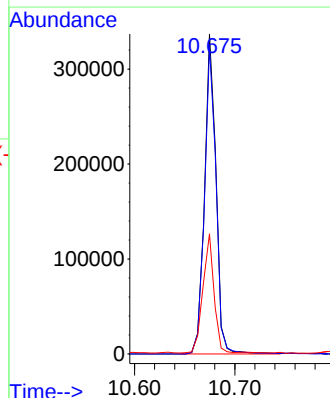
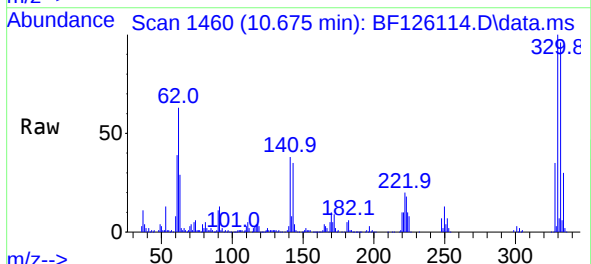
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Supervised By :mohammad
ahmed

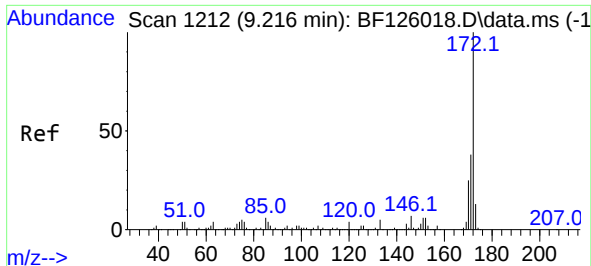
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#42
2,4,6-Tribromophenol
Concen: 87.670 ng
RT: 10.675 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF126114.D
Acq: 10 Nov 2021 18:48

Tgt Ion:330 Resp: 268287
Ion Ratio Lower Upper
330 100
332 96.8 76.2 114.4
141 36.2 44.6 66.8#





#45
2-Fluorobiphenyl
Concen: 71.994 ng
RT: 9.210 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126114.D
Acq: 10 Nov 2021 18:48

Instrument :

BNA_F

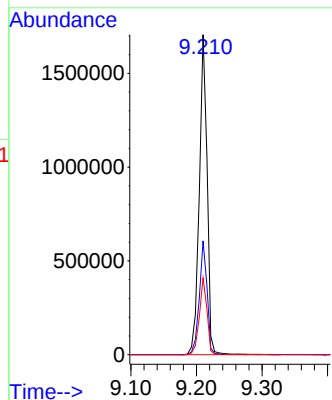
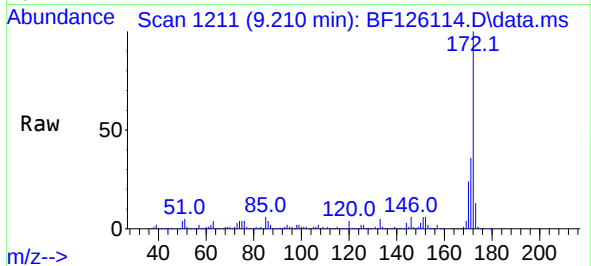
ClientSampleId :

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Tgt Ion:172 Resp: 142261
Ion Ratio Lower Upper
172 100
171 35.5 26.5 39.7
170 23.9 18.8 28.2

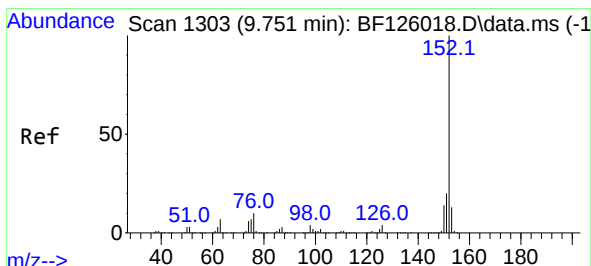
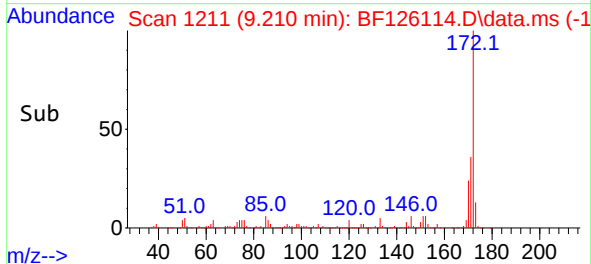
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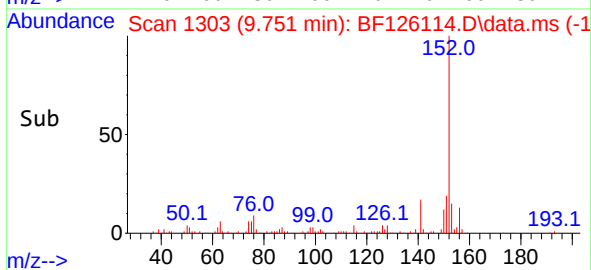
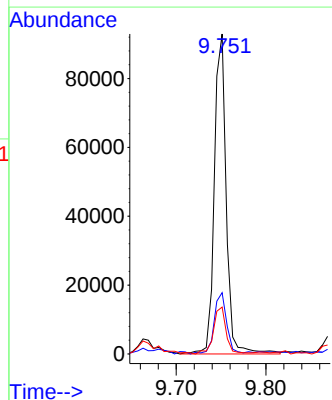
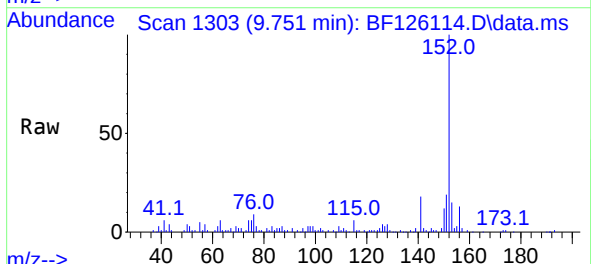
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ahmed

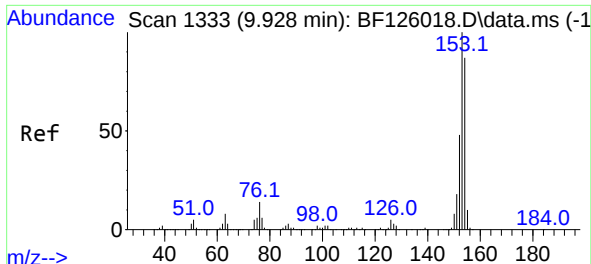
11/11/2021



#49
Acenaphthylene
Concen: 3.491 ng
RT: 9.751 min Scan# 1303
Delta R.T. 0.000 min
Lab File: BF126114.D
Acq: 10 Nov 2021 18:48

Tgt Ion:152 Resp: 85756
Ion Ratio Lower Upper
152 100
151 19.2 15.7 23.5
153 14.6 9.8 14.8





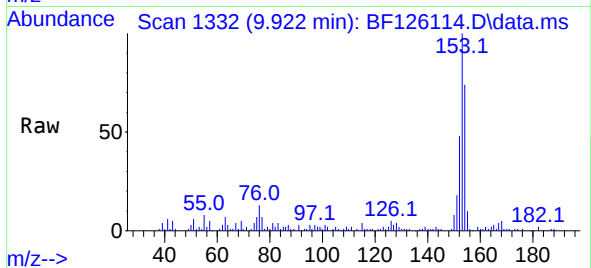
#52
Acenaphthene
Concen: 2.808 ng
RT: 9.922 min Scan# 1419
Delta R.T. -0.006 min
Lab File: BF126114.D
Acq: 10 Nov 2021 18:48

Instrument :

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ClientSampleId :

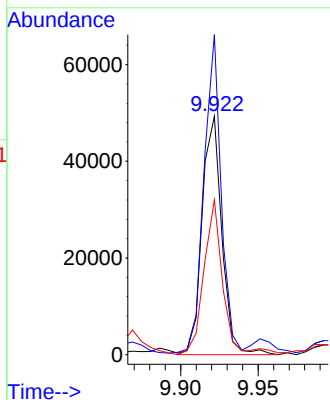
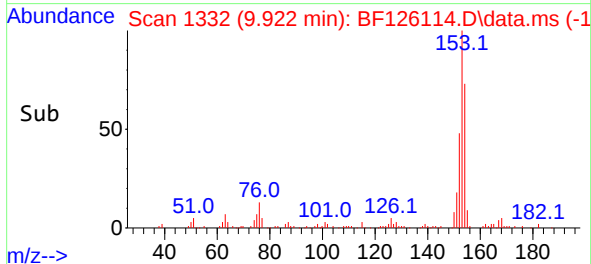
TR-05-110921



Tgt Ion:154 Resp: 43510
Ion Ratio Lower Upper
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153 134.2 89.4 134.2
152 65.0 40.5 60.7

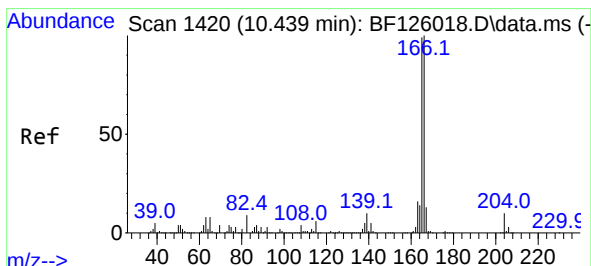
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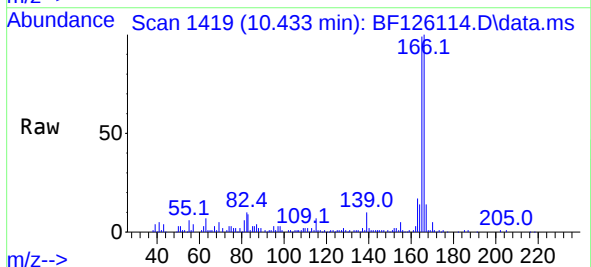


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ahmed

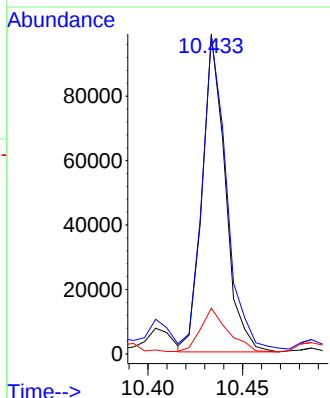
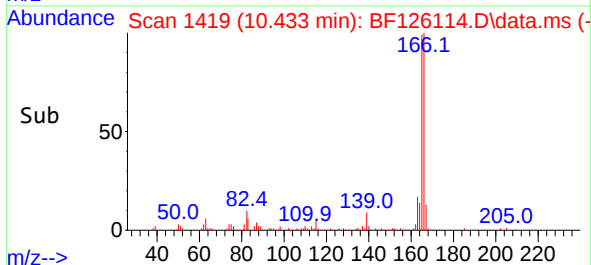
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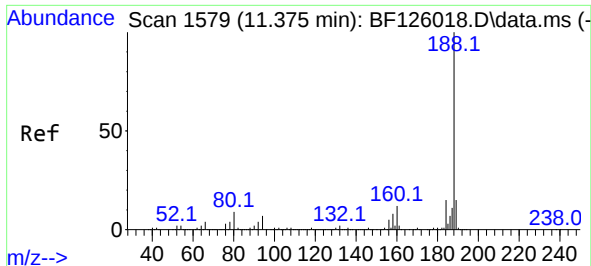


#58
Fluorene
Concen: 4.441 ng
RT: 10.433 min Scan# 1419
Delta R.T. -0.006 min
Lab File: BF126114.D
Acq: 10 Nov 2021 18:48



Tgt Ion:166 Resp: 83177
Ion Ratio Lower Upper
166 100
165 99.3 78.1 117.1
167 14.3 11.1 16.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.375 min Scan# 1579
Delta R.T. -0.000 min
Lab File: BF126114.D
Acq: 10 Nov 2021 18:48

Instrument :

BNA_F

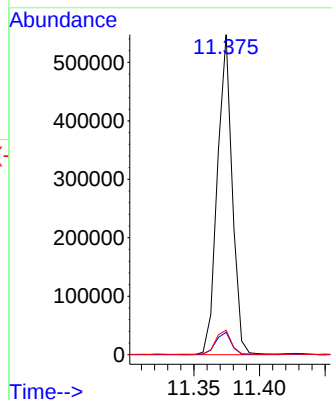
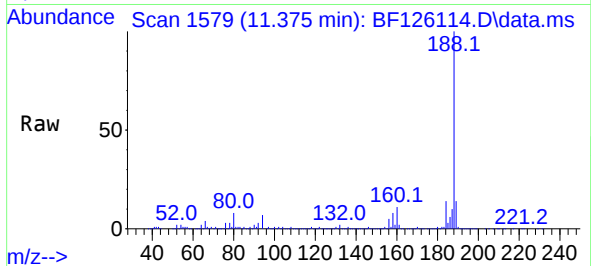
ClientSampleId :

TR-05-110921

Tgt Ion:188 Resp: 42999
Ion Ratio Lower Upper
188 100
94 7.0 6.7 10.1
80 7.6 7.5 11.3

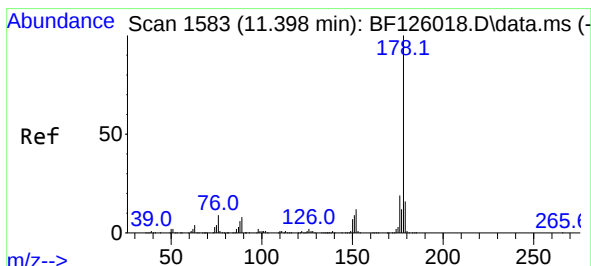
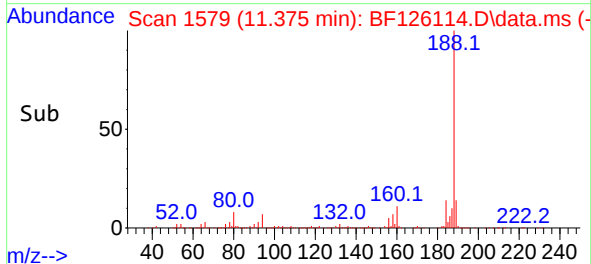
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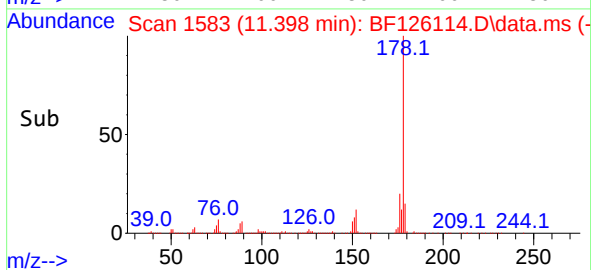
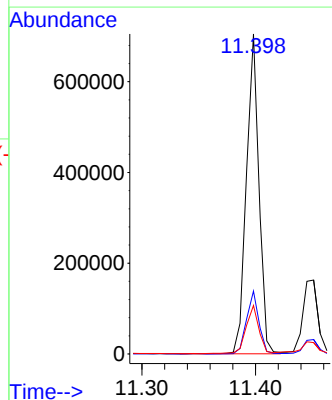
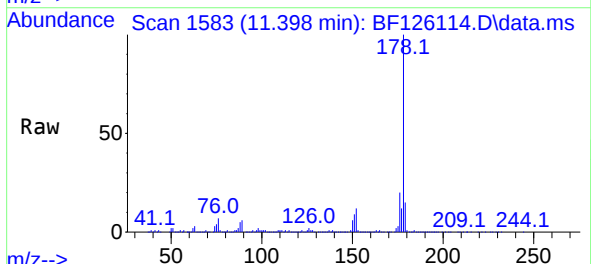
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Supervised By :mohammad
ahmed

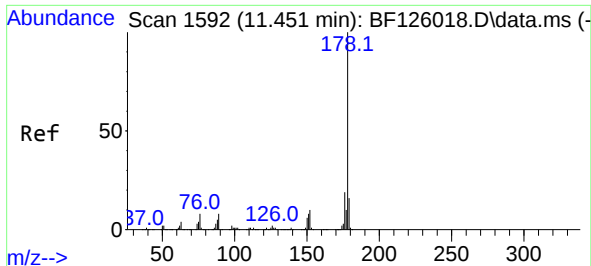
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#71
Phenanthrene
Concen: 23.071 ng
RT: 11.398 min Scan# 1583
Delta R.T. 0.000 min
Lab File: BF126114.D
Acq: 10 Nov 2021 18:48

Tgt Ion:178 Resp: 537983
Ion Ratio Lower Upper
178 100
176 19.7 14.7 22.1
179 15.1 11.5 17.3





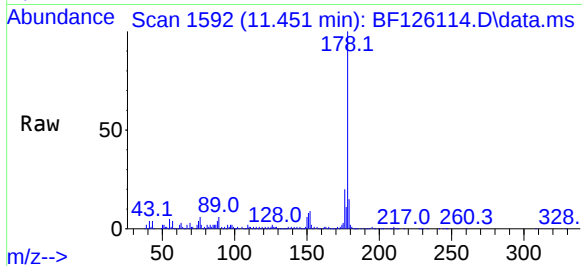
#72
 Anthracene
 Concen: 6.232 ng
 RT: 11.451 min Scan# 1592
 Delta R.T. 0.000 min
 Lab File: BF126114.D
 Acq: 10 Nov 2021 18:48

Instrument :

BNA_F

ClientSampleId :

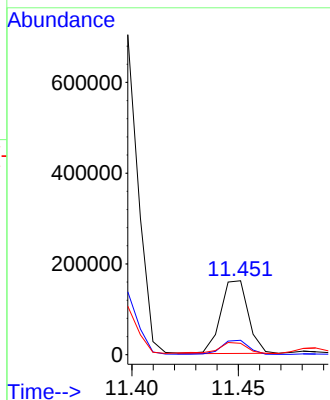
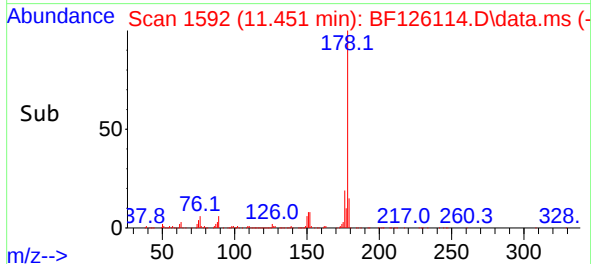
TR-05-110921



Tgt Ion:178 Resp: 145084
 Ion Ratio Lower Upper
 178 100
 176 19.5 14.3 21.5
 179 15.4 12.2 18.4

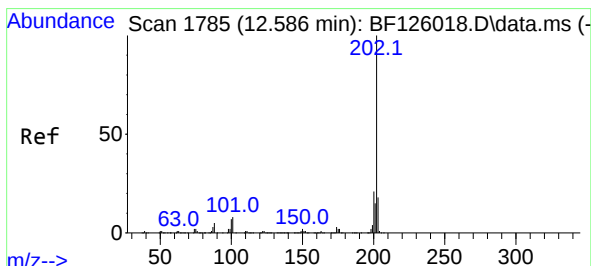
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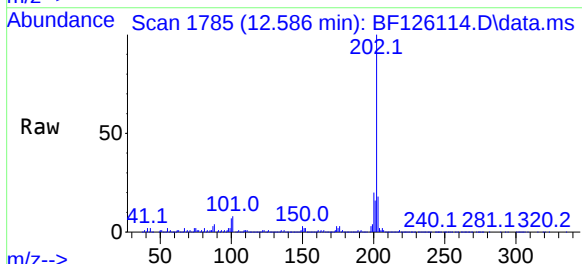


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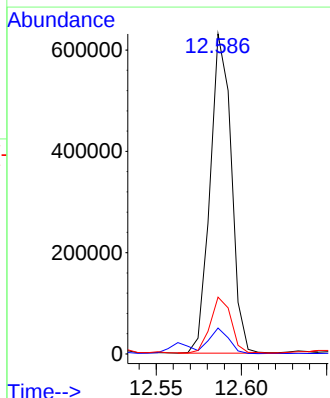
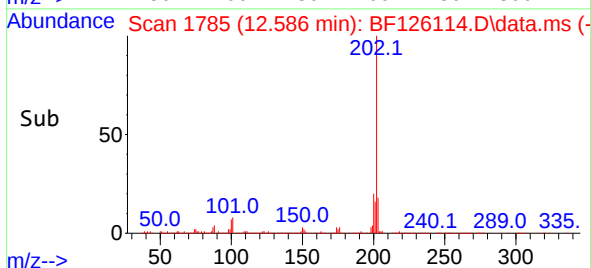
11/11/2021

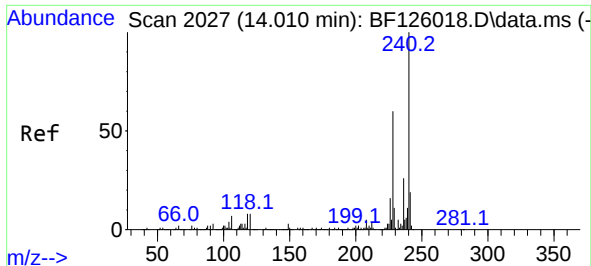


#75
 Fluoranthene
 Concen: 21.056 ng
 RT: 12.586 min Scan# 1785
 Delta R.T. 0.000 min
 Lab File: BF126114.D
 Acq: 10 Nov 2021 18:48



Tgt Ion:202 Resp: 546762
 Ion Ratio Lower Upper
 202 100
 101 8.1 0.0 30.7
 203 17.8 0.0 36.3





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.016 min Scan# 2027
Delta R.T. 0.006 min
Lab File: BF126114.D
Acq: 10 Nov 2021 18:48

Instrument :

BNA_F

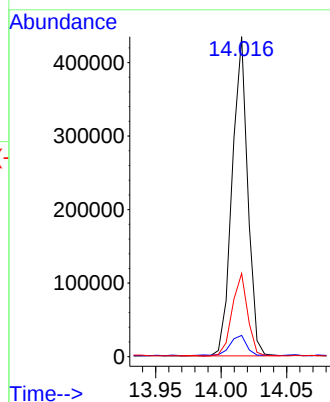
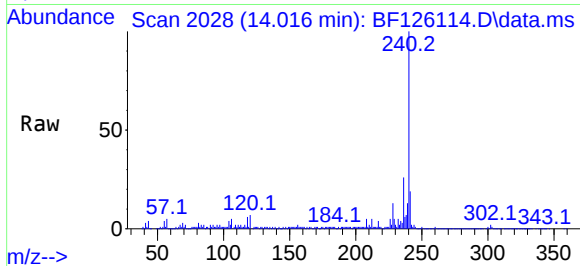
ClientSampleId :

TR-05-110921

Tgt Ion:240 Resp: 358740
Ion Ratio Lower Upper
240 100
120 6.7 10.8 16.2
236 26.0 21.6 32.4

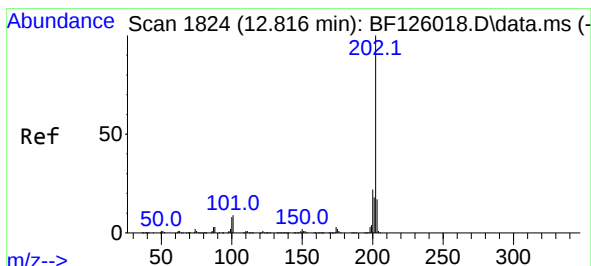
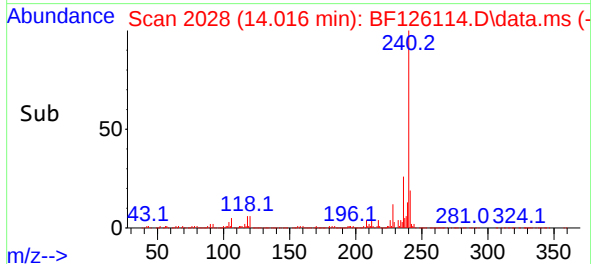
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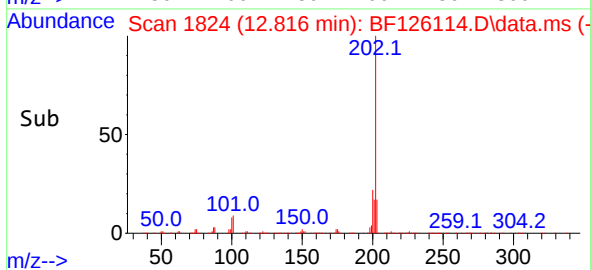
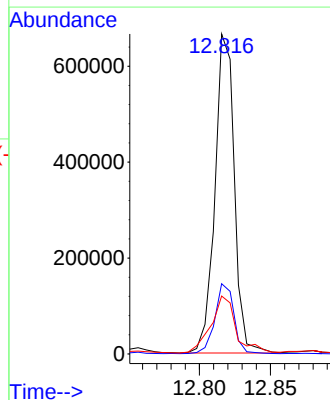
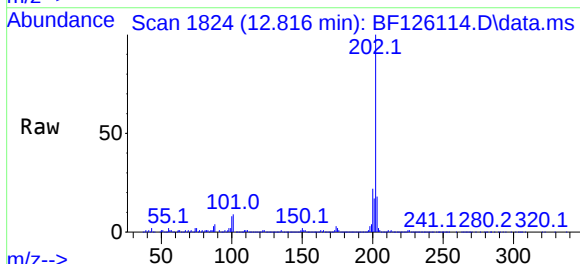
11/11/2021
Supervised By :mohammad
ahmed

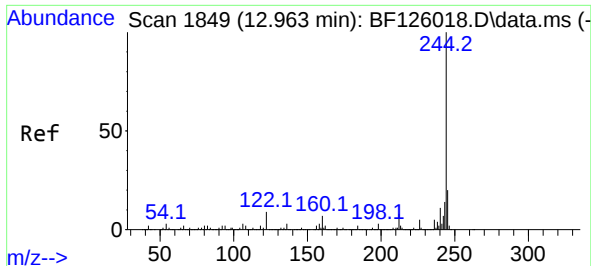
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#78
Pyrene
Concen: 21.885 ng
RT: 12.816 min Scan# 1824
Delta R.T. -0.000 min
Lab File: BF126114.D
Acq: 10 Nov 2021 18:48

Tgt Ion:202 Resp: 629620
Ion Ratio Lower Upper
202 100
200 22.0 15.3 22.9
203 18.1 13.4 20.0





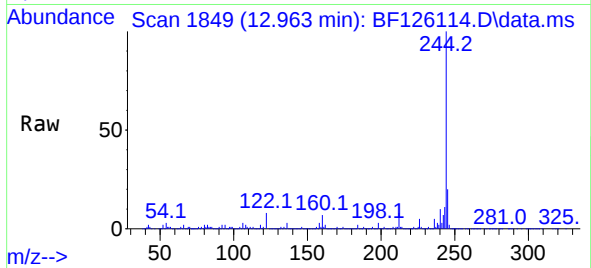
#79
Terphenyl-d14
Concen: 60.636 ng
RT: 12.963 min Scan# 1849
Delta R.T. -0.000 min
Lab File: BF126114.D
Acq: 10 Nov 2021 18:48

Instrument :

BNA_F

ClientSampleId :

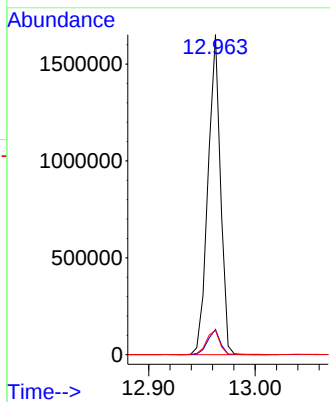
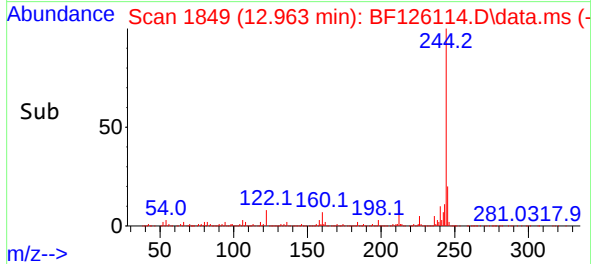
TR-05-110921



Tgt Ion:244 Resp: 1348949
Ion Ratio Lower Upper
244 100
212 7.9 5.9 8.9
122 7.6 9.0 13.4

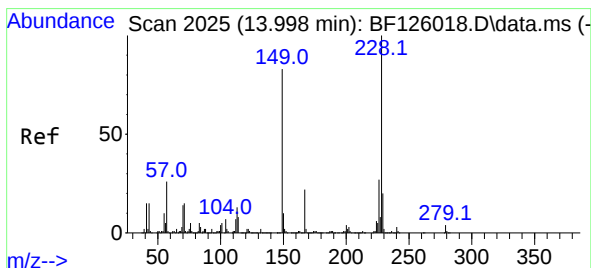
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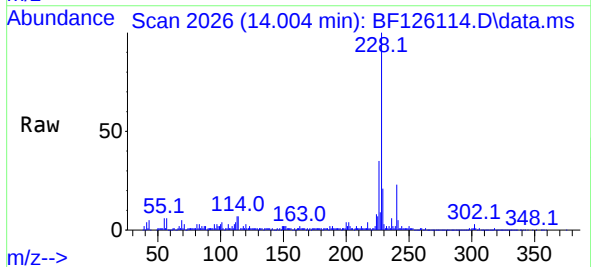


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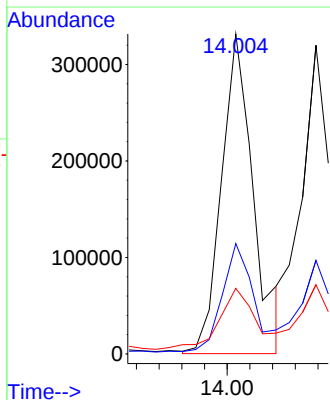
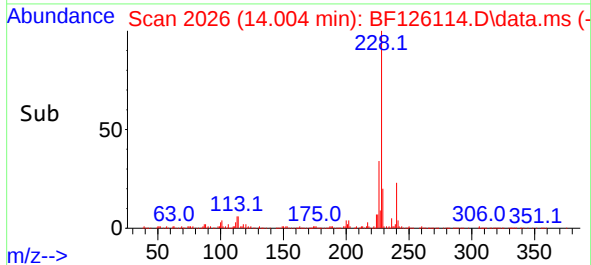
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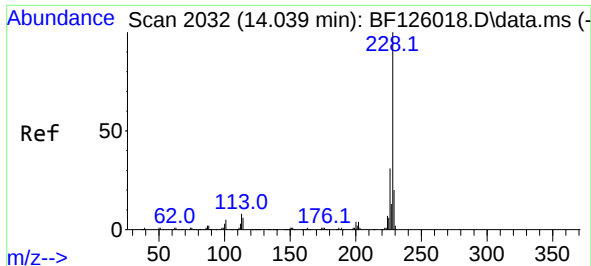


#81
Benzo(a)anthracene
Concen: 13.126 ng m
RT: 14.004 min Scan# 2026
Delta R.T. 0.006 min
Lab File: BF126114.D
Acq: 10 Nov 2021 18:48



Tgt Ion:228 Resp: 323482
Ion Ratio Lower Upper
228 100
226 34.5 21.6 32.4#
229 20.5 15.6 23.4





#83
Chrysene
Concen: 12.232 ng
RT: 14.039 min Scan# 2032
Delta R.T. 0.000 min
Lab File: BF126114.D
Acq: 10 Nov 2021 18:48

Instrument :

BNA_F

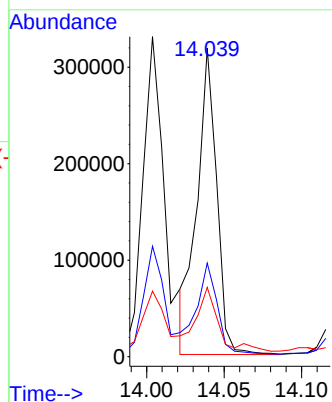
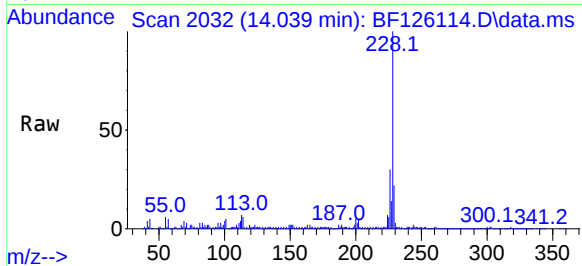
ClientSampleId :

TR-05-110921

Tgt Ion:228 Resp: 280480
Ion Ratio Lower Upper
228 100
226 30.3 22.6 34.0
229 22.5 15.9 23.9

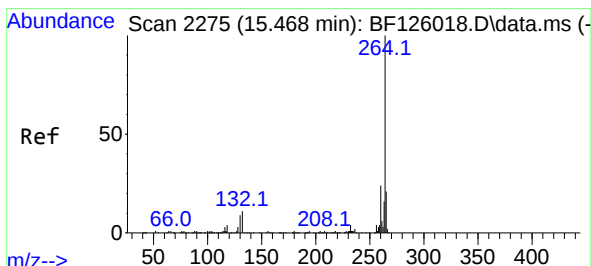
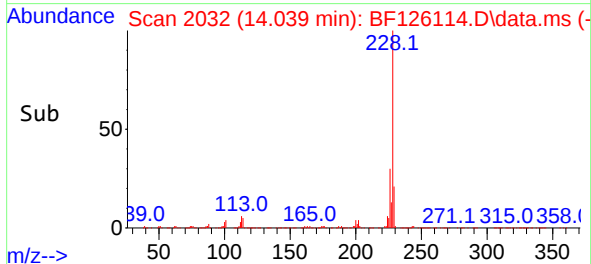
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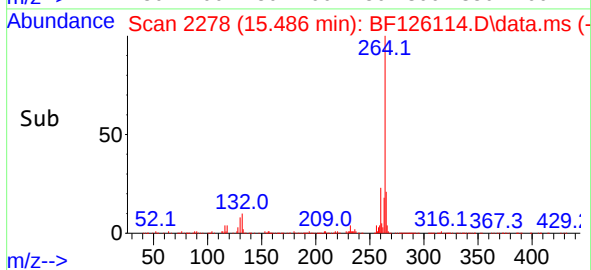
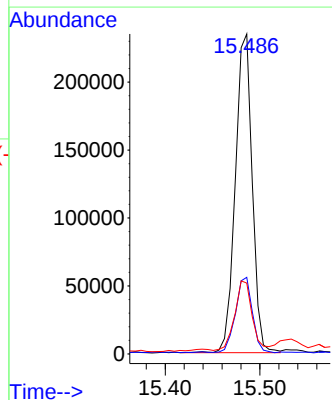
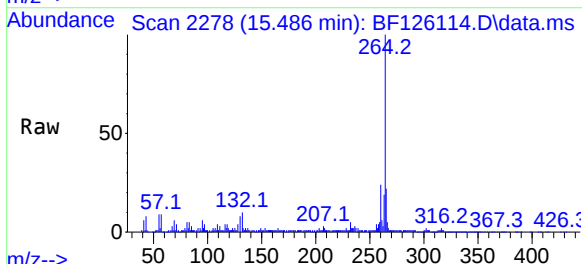
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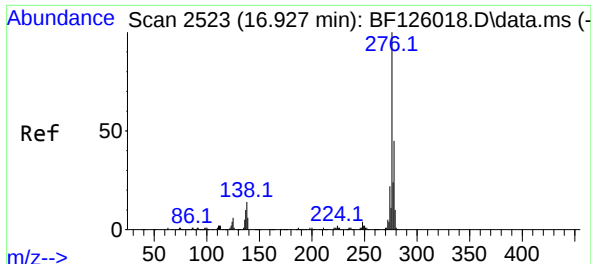
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.486 min Scan# 2278
Delta R.T. 0.018 min
Lab File: BF126114.D
Acq: 10 Nov 2021 18:48

Tgt Ion:264 Resp: 290130
Ion Ratio Lower Upper
264 100
260 23.9 19.6 29.4
265 22.2 17.2 25.8





#87
Indeno(1,2,3-cd)pyrene
Concen: 7.279 ng
RT: 16.945 min Scan# 21
Delta R.T. 0.018 min
Lab File: BF126114.D
Acq: 10 Nov 2021 18:48

Instrument :

BNA_F

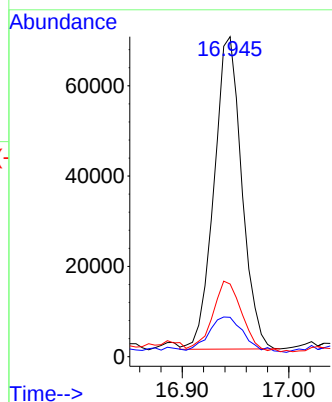
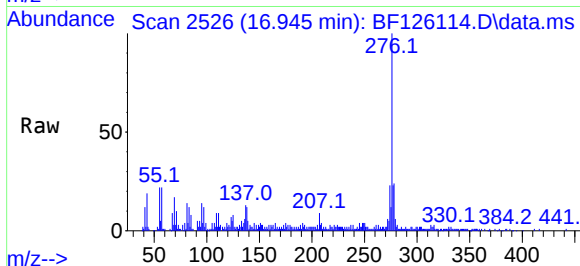
ClientSampleId :

TR-05-110921

Tgt Ion:276 Resp: 12499
Ion Ratio Lower Upper
276 100
138 14.5 24.1 36.1
277 24.2 18.8 28.2

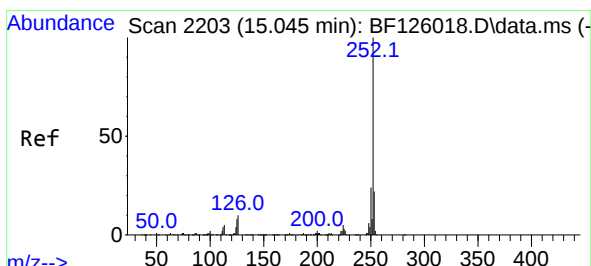
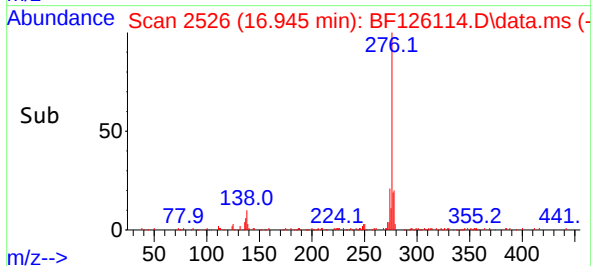
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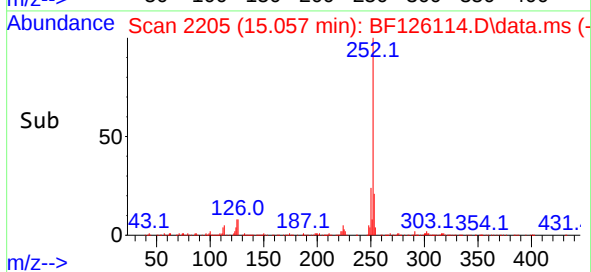
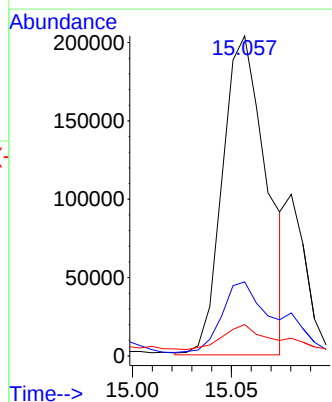
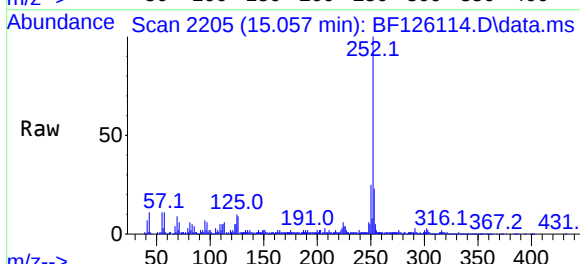
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Supervised By :mohammad
ahmed

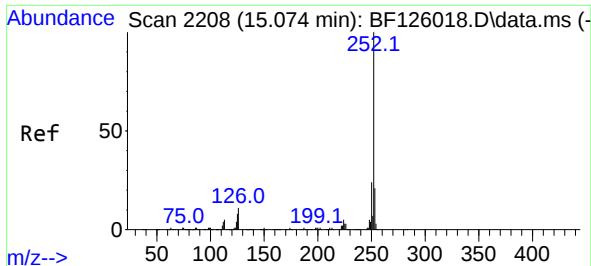
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#88
Benzo(b)fluoranthene
Concen: 16.682 ng m
RT: 15.057 min Scan# 2205
Delta R.T. 0.012 min
Lab File: BF126114.D
Acq: 10 Nov 2021 18:48

Tgt Ion:252 Resp: 314809
Ion Ratio Lower Upper
252 100
253 23.1 16.8 25.2
125 9.8 9.8 14.8#





#89

Benzo(k)fluoranthene

Concen: 3.977 ng m

RT: 15.080 min Scan# 2209

Delta R.T. 0.006 min

Lab File: BF126114.D

Acq: 10 Nov 2021 18:48

Instrument :

BNA_F

ClientSampleId :

TR-05-110921

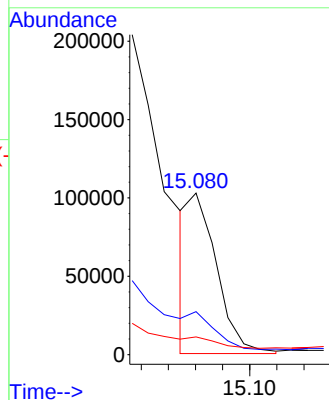
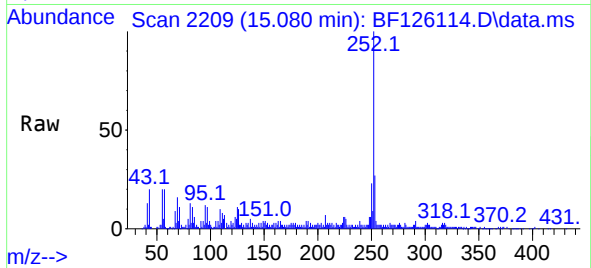
Tgt Ion:252 Resp: 72808

Ion	Ratio	Lower	Upper
252	100		
253	26.7	17.8	26.8
125	11.0	7.2	10.8

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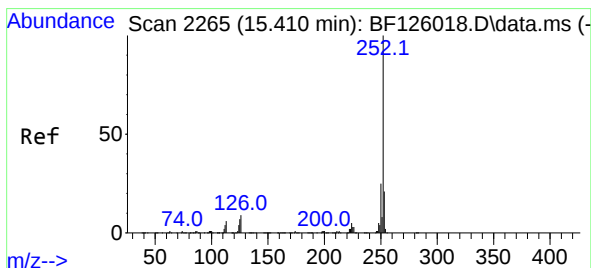
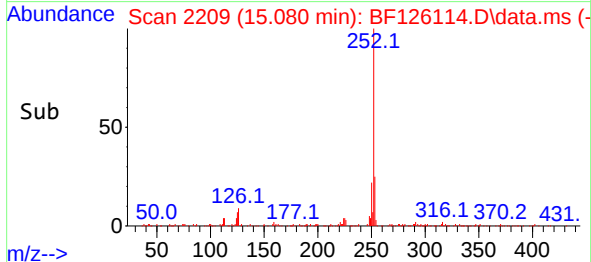
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Reviewed By :Jagrut
Upadhyay



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Supervised By :mohammad
ahmed

11/11/2021



#90

Benzo(a)pyrene

Concen: 16.222 ng m

RT: 15.421 min Scan# 2267

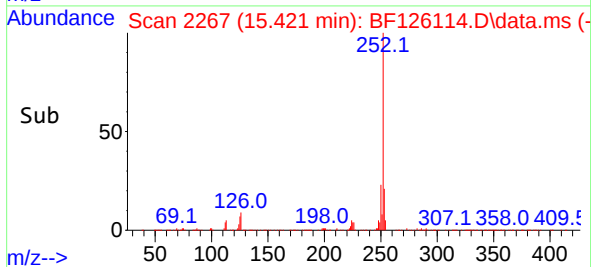
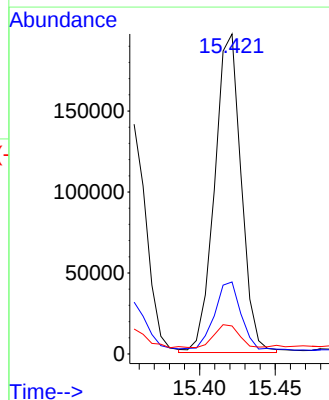
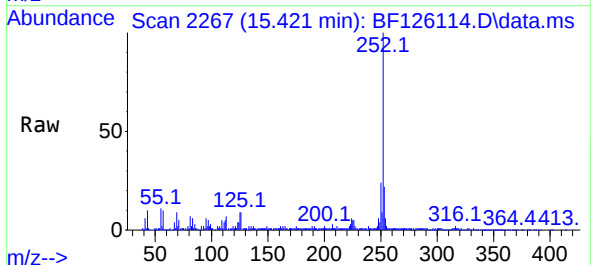
Delta R.T. 0.011 min

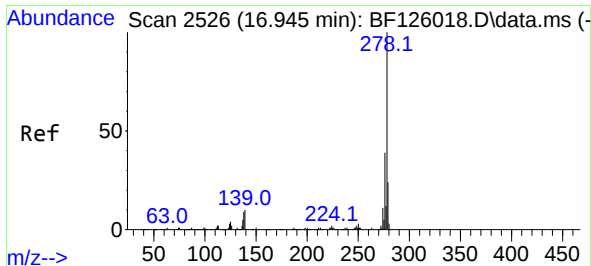
Lab File: BF126114.D

Acq: 10 Nov 2021 18:48

Tgt Ion:252 Resp: 241187

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.4	27.6
125	8.7	9.9	14.9





#91
Dibenzo(a,h)anthracene
Concen: 2.719 ng
RT: 16.951 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF126114.D
Acq: 10 Nov 2021 18:48

Instrument :

BNA_F

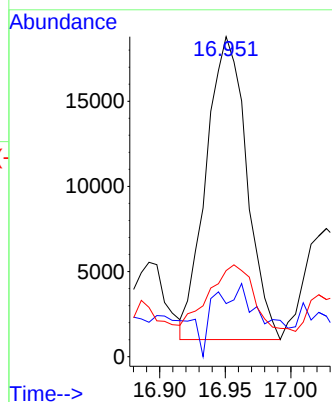
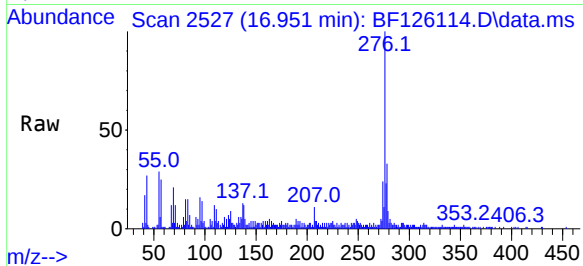
ClientSampleId :

TR-05-110921

Tgt Ion:278 Resp: 3835
Ion Ratio Lower Upper
278 100
139 16.6 14.9 22.3
279 26.9 19.7 29.5

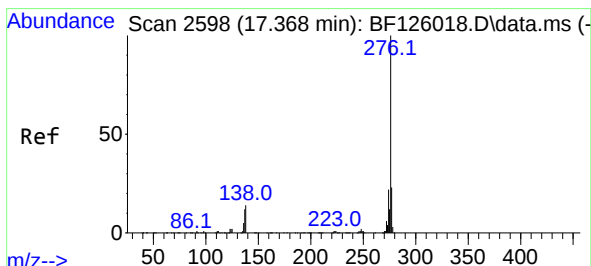
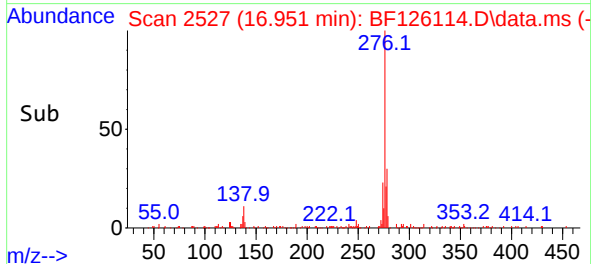
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ahmed

11/11/2021



#92
Benzo(g,h,i)perylene
Concen: 9.614 ng
RT: 17.386 min Scan# 2601
Delta R.T. 0.018 min
Lab File: BF126114.D
Acq: 10 Nov 2021 18:48

Tgt Ion:276 Resp: 130052
Ion Ratio Lower Upper
276 100
277 22.4 22.0 33.0
138 13.5 22.2 33.4#

